

More than
[40 YEARS]
Together

COMPANY



C.E.I. was set up back in 1969 as a manufacturer of gearboxes and differential gears. In over 40 years of activity CEI has tried to make its products innovative gaining most of its experience from years of study.

Two factories built on an area of approx. 18.000 square meters, considerable investments in advanced technologies and passion - moving the company ahead through the years - have led CEI to be a leading company in the spare parts business, exporting its products to more than 65 countries throughout 5 continents.

AZIENDA



La C.E.I. nasce nel lontano 1969 come costruttrice di ingranaggi per cambio e differenziale. In oltre 40 anni di storia abbiamo cercato di innovarci e migliorare i nostri prodotti mettendo sempre a frutto l'esperienza che deriva da anni spesi a studiare le problematiche costruttive di organi meccanici complessi.

Due stabilimenti produttivi in una superficie coperta di circa 18.000 mq, i considerevoli investimenti nelle tecnologie e la passione, che in tutti questi anni ci ha accompagnato, ci hanno portato a essere un'azienda leader nel settore ricambistico esportando i nostri prodotti in oltre 65 paesi toccando 5 continenti.

SOCIETE



La Société C.E.I. a vu le jour en 1969 en tant que fabricant d'engrenages pour boîtes de vitesses et différentiels. En plus de 40 ans d'histoire, nous avons essayé de nous innover et d'innover nos produits en mettant toujours à profit l'expérience provenant d'années passées à étudier les problèmes liés à la construction d'organes mécaniques complexes.

Deux établissements de production sur une surface couverte de 18000 m² environ, les importants investissements dans des nouvelles technologies unis à la passion qui nous a accompagné, nous amène à être une société leader dans le secteur des pièces détachées, nous exportons aujourd'hui nos produits dans 65 Pays dans les 5 continents.

EMPRESA



La empresa C.E.I. fue fundada en el año 1969 como fábrica de engranajes para cajas de cambio y diferenciales. Llevamos más de 40 años procurando siempre innovar nuestra empresa y nuestros productos y aprovechando la experiencia adquirida durante los numerosos años que hemos dedicado al estudio de los problemas relacionados con la fabricación de componentes mecánicos complejos.

Dos establecimientos en una superficie cubierta de 18.000 mq aprox, las considerables inversiones en las tecnologías y la pasión que nos acompañaron en todos estos años nos han llevado a ser una empresa líder en el sector de los recambios, exportando nuestros productos en más de 65 Países en los 5 continentes.



Spare Parts for Trucks and Buses:

Iveco, Daf, Mercedes, Man, Renault, Scania, Volvo, Zf, Eaton, Fuller, Astra, Bredabus, Setra, Bpw, Meritor, Saf, Nissan, Isuzu, Neoplan, Mitsubishi, Ford, Schmitz, EvoBus, Leyland

PRODUCTS



CEI brand has always been linked to the production of gearboxes and differential parts. For over 40 years we have accepted and won the challenge from parent companies to faithfully reproduce helical and bevel gears for every type of truck running in every part of the world.

Thanks to considerable investments of its owners in new technologies in the last 20 years, CEI has enlarged its product range including new components for Steering, Suspension, Engine and Braking System.

PRODOTTI



Da sempre il marchio CEI è legato alla produzione di ingranaggi cambio e parti differenziale. Da oltre 40 anni abbiamo accettato e vinto la sfida con le case madri nel riprodurre fedelmente ingranaggi elicoidali e coppie coniche per ogni tipo di autocarro circolante in qualsiasi parte del mondo.

Da ormai più di vent'anni, grazie ad ingenti investimenti della proprietà in nuove tecnologie, CEI ha allargato la propria gamma produttiva a nuovi componenti utilizzati nei principali organi funzionali quali Sterzo, Sospensioni, Motore e Impianto frenante.

PRODUITS



Depuis toujours, la marque CEI est liée à la production d'engrenages pour boîtes de vitesses et pièces différentielles. Depuis plus de 40 ans, nous avons relevé et remporté les défis avec les maisons mères en matière de reproduction fidèle d'engrenages hélicoïdaux et de couples coniques pour tous les types de camions en circulation dans le monde entier.

Depuis plus de vingt ans, grâce à des grands investissements dans les nouvelles technologies CEI a élargi sa propre gamme de production à des nouveaux composants utilisés dans les principaux organes comme la Direction, la Suspension, le Moteur et les Freins.

PRODUCTOS



Desde siempre, la marca CEI se relaciona con la fabricación de engranajes para cajas de cambios y piezas para diferenciales. Desde hace más de 40 años afrontamos con éxito el desafío con las casas madres para reproducir fielmente los engranajes helicoidales y pares cónicos para todo tipo de camiones en cualquier parte del mundo.

Desde hace más de veinte años, gracias a grandes inversiones en nuevas tecnologías, CEI ha ampliado su gama de producción con nuevos componentes utilizados en los órganos más importantes como volante de dirección, suspensiones, motor y sistema de frenado.



Suitable to **ZF**
New Ecosplit III models

2015
2016

n° 195/2

CATALOGUES LIST

Gearbox and Differential parts:

- 400.001 Suitable to **IVECO**
- 400.025 Suitable to **DAF**
- 400.050 Suitable to **MERCEDES**
- 400.055 Suitable to **MAN**
- 400.075 Suitable to **RENAULT**
- 400.080 Suitable to **SCANIA**
- 400.090 Suitable to **VOLVO**
- 400.036 Suitable to **EATON**
- 400.095 Suitable to **ZF OLD Range models**
- 400.195 Suitable to ZF Ecosplit models**
- 400.295 Suitable to **ZF EcoLite / EcoMid models**
- 400.395 Suitable to **ZF AS Tronic models**

Chassis parts:

- 400.902 **Steering System**
Suspension and King pin sets
- 400.903 **Brake System, Engine**
Transmission and Oleodynamic
- 400.905 **Air springs**
for Pneumatic suspension



E-Catalogue on customer area www.cei.it



Figures part denominations references and data contained in this catalogue are not binding. CEI reserves the right to introduce any changes at any time without prior notice.



Le figure, le denominazioni, i riferimenti ed i dati contenuti nel presente catalogo non sono impegnativi. La CEI si riserva di apportare in ogni momento e senza preavviso tutte le variazioni che riterrà opportune.



Les figures, les dénominations, les références et les spécifications contenues dans ce catalogue ne sont pas engageantes. La CEI se réserve le droit d'apporter à tout moment et sans préavis les variantes éventuelles qu'elle croit utiles.



Las figuras, las denominaciones, las referencias y los datos contenidos en el presente catálogo no son empeñativos. CEI puede hacer en cada momento y sin preaviso todas las variaciones que sean oportunas.



INTERCHANGEABILITY GUARANTY

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.



GARANZIA DI INTERCAMBIABILITÀ

Tutti i nostri particolari non sono originali ma con essi intercambiabili. I riferimenti originali, le figure, i modelli sono esposti a semplice titolo indicativo. La nostra produzione riporta il nostro marchio.



GARANTIE D'INTERCHANGEABILITE

Nos pièces ne sont pas originales, mais interchangeable avec elles. Les références, les figures et les modèles sont indiqués à titre indicatif. Notre production reproduit notre marque.



GARANTIA DE INTERCAMBIABILIDAD

Todas nuestras piezas no son las originales, pero son intercambiables con ellas. Las referencias originales, las figuras y los modelos se ponen sólo indicativamente. Nuestra producción lleva nuestra marca.



To Customer / Importers / Distributors of C.E.I. S.p.A. products :

COMPLIANCE WITH LAWS AND/OR SPECIFIC REGULATIONS OF THE IMPORT COUNTRY

C.E.I. S.p.A. ensures that its products conform to the laws and regulations of the European Community and declines any responsibility for applications subject to specific laws and regulations of the import country which is responsible to ascertain the conformity of CEI S.p.A. products to the local laws and/or regulations in force.

C.E.I. S.p.A. is available to evaluate the possibility of adapting its products for specific applications on request, should the need arise from any customer.



Ai Clienti / Importatori / Distributori prodotti C.E.I. S.p.A.:

CONFORMITÀ A LEGGI E/O REGOLAMENTI SPECIFICI DELLA NAZIONE IMPORTATRICE

C.E.I. S.p.A. assicura che i propri prodotti sono conformi alle Leggi e Regolamenti del Mercato Europeo e declina ogni responsabilità per applicazioni soggette a Leggi e Regolamenti specifici del Paese importatore, lasciando allo stesso la responsabilità di verificare la conformità del prodotto C.E.I. S.p.A. ai vincoli cogenti di Leggi e/o Regolamenti locali.

C.E.I. S.p.A. si dichiara disponibile, su richiesta del cliente, a valutare la possibilità di adeguare i propri prodotti ad eventuali specifiche esigenze che ci venissero sottoposte.



Aux clients / Importateurs / Distributeurs produits C.E.I. S.p.A.

CONFORMITE AUX LOIS ET/OU REGLEMENTS SPECIFIQUES DU PAYS IMPORTATEUR

La maison C.E.I. S.p.A. assure que ses produits sont conformes aux lois et règlements de la Communauté Européenne et décline toute responsabilité pour d'applications assujetties aux lois et règlements spécifiques du pays importateur, en laissant aux mêmes la responsabilité de vérifier la conformité du produit CEI aux obligations de lois et/ou règlements en vigueur propres du pays.

La maison C.E.I. S.p.A. se déclare disposée, sur requête du client, à évaluer la possibilité de conformer ses produits à d'éventuelles exigences spécifiques qui soient demandées.



A los clientes / Importadores / Distribuidores de los productos CEI S.p.A.

CONFORMIDAD A LAS LEYES Y/O LAS REGLAMENTACIONES ESPECIFICAS DE LA NACION IMPORTADORA

CEI S.p.A. certifica que sus productos están conformes con la leyes y las reglamentaciones del Mercado Europeo y declina cada responsabilidad por aplicaciones sujetas a leyes y reglamentaciones específicos del país importador, dejando al mismo la responsabilidad de averiguar la conformidad del producto CEI con los vínculos en vigencia de leyes y/o reglamentaciones locales.

CEI está disponible, bajo petición del cliente a evaluar la posibilidad de conformar sus productos con eventuales exigencias específicas.

Models:

NEW ECOSPLIT III

Versions:

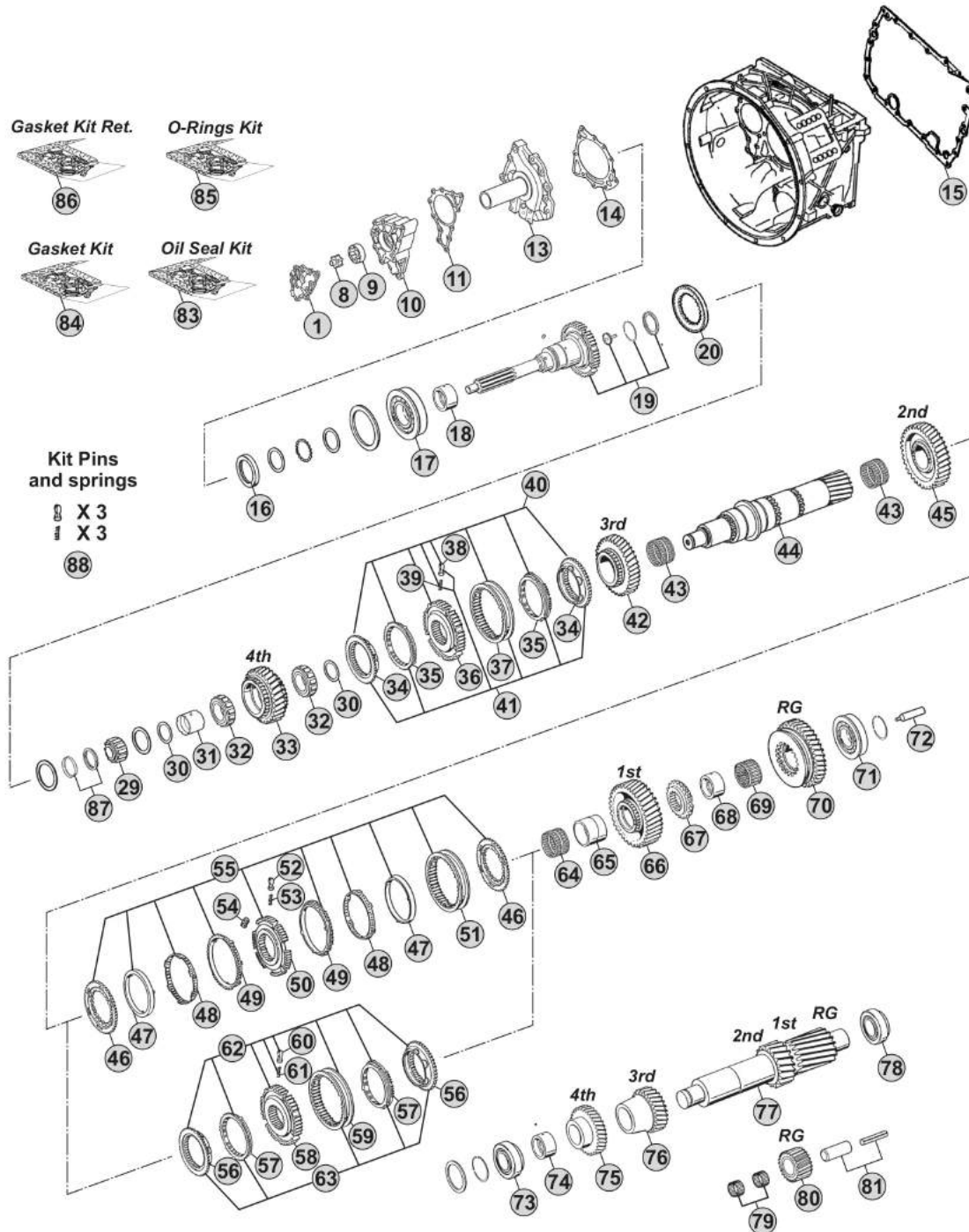
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S162 (1341 xxx xxx)



Notes

8S162 R. 13,80-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S162			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
8	189.679	1314 202 039	Oil Pump Shaft	1		●			
9	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
18	117.495	0730 260 712	Bush	1		●			
19	190.304	1315 202 037	Input Shaft	1		●			
20		1315 302 185	Disk	1		●			
29	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
31	117.321	0750 119 125	Bush 67x77x54,1	1		●			
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
38	160.189	1297 304 436	Pressure Piece	3		●			
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
40	298.021	1315 298 061	Synchro Kit	1	(21)	●			
41	298.291	1315 298 067	Synchro Kit	1	(21)	●			
41	298.288	1325 298 008	Synchro Kit	1	(22)	●			
41	196.442	1316 298 037	Synchro Kit	1	(23)	●			
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
44	103.138	1315 304 131	Main Shaft Z 23	1		●			
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

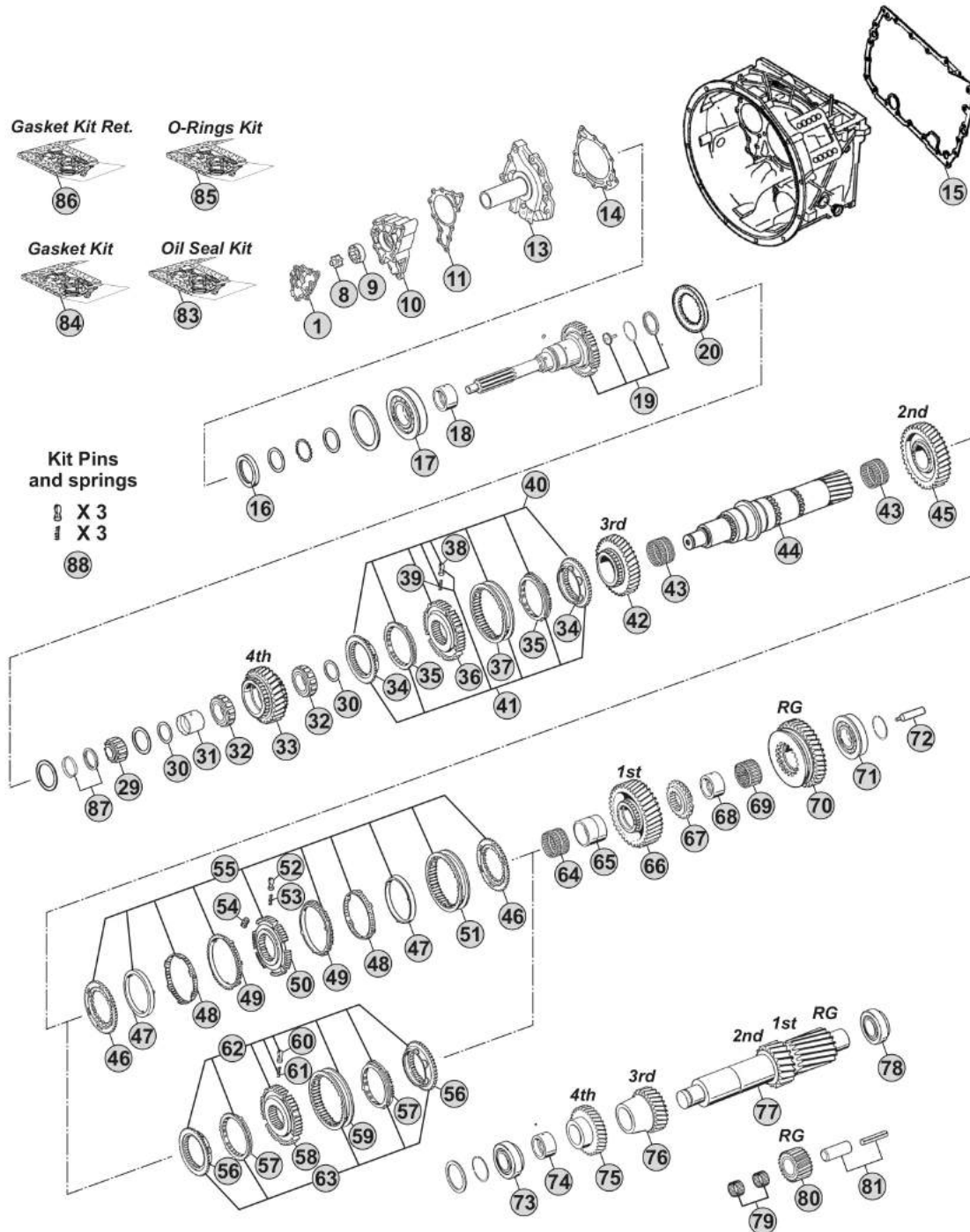
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S162 (1341 xxx xxx)



Notes

8S162 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S162				
51	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
52	160.189	1297 304 436	Pressure Piece	3	(30)	●				
53	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
54	156.176	1312 304 159	Slide	3	(30)	●				
55	198.969	1312 298 911	Synchro Kit	1	(30)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
59	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
60	160.189	1297 304 436	Pressure Piece	3		●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
62	298.020	1315 298 060	Synchro Kit	1	(32)	●				
63	298.286	1315 298 066	Synchro Kit	1	(32)	●				
63	298.287	1325 298 007	Synchro Kit	1	(33)	●				
63	196.440	1316 298 036	Synchro Kit	1	(34)	●				
64	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
65	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
67	109.144	1315 304 018	Engaging Ring	1		●				
68	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
69	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
70	147.123	1315 304 006	Reverse Gear 44 T	1		●				
71	130.309	0750 117 677	Bearing 80x130x36	1		●				
72	188.209	1312 304 150	Oil Tube	1		●				
73	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
74	117.496	0730 063 243	Bush	1		●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
77	105.216	1315 303 063	Countershaft 17/20 T	1		●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.126	1315 305 011	Reverse Gear 22 T	1		●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1	Paper	●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
85	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
86	298.860	6085 298 013	Gasket Kit intarder	1		●				
87	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				

Date

02/2015

Notes

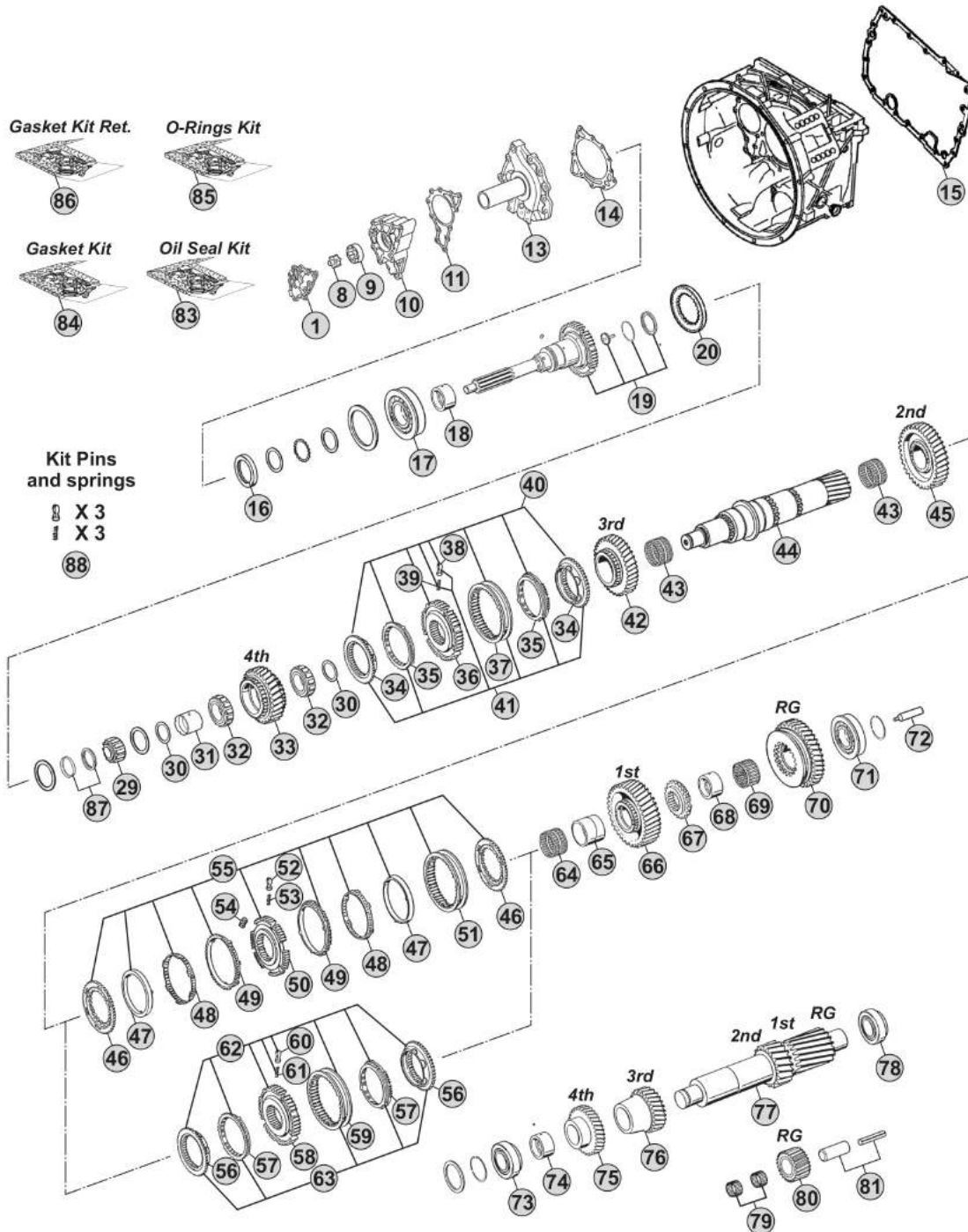
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S162 (1341 xxx xxx)



Notes

8S162 R. 13,80-1,00

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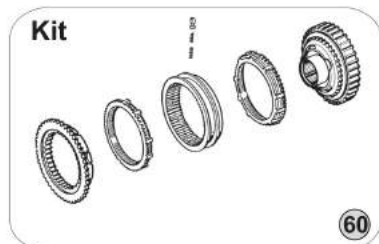
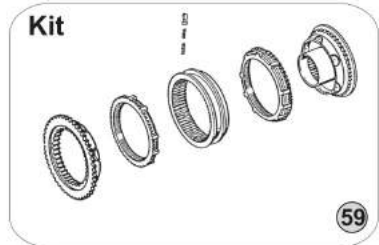
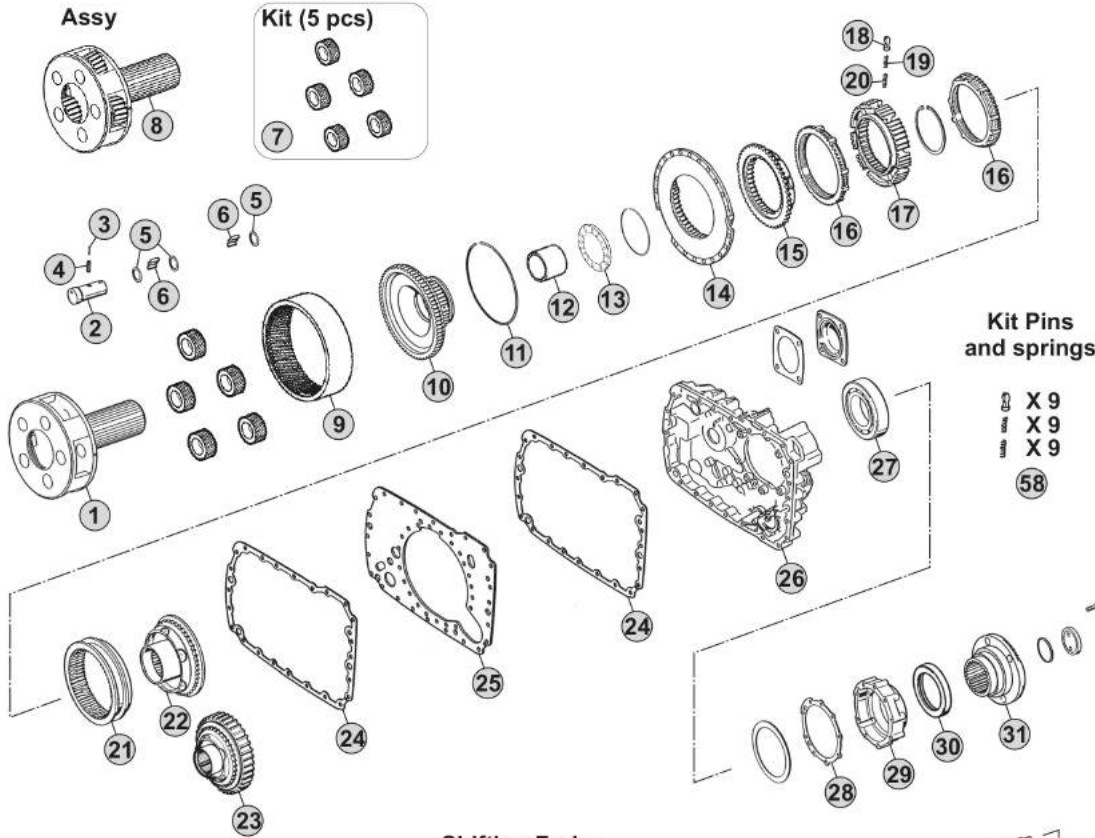
MODELS:

- NEW ECOSPLIT III

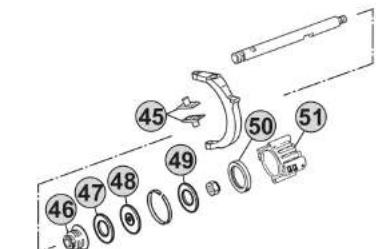
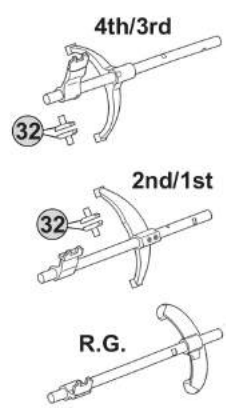
VERSIONS:

- 8S162 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks



Notes

8S162 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S162				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

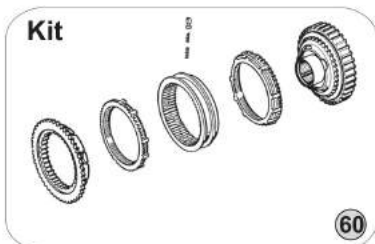
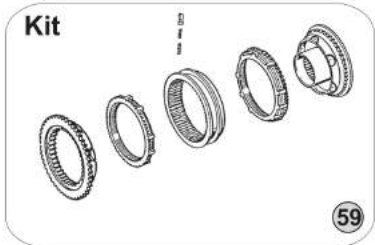
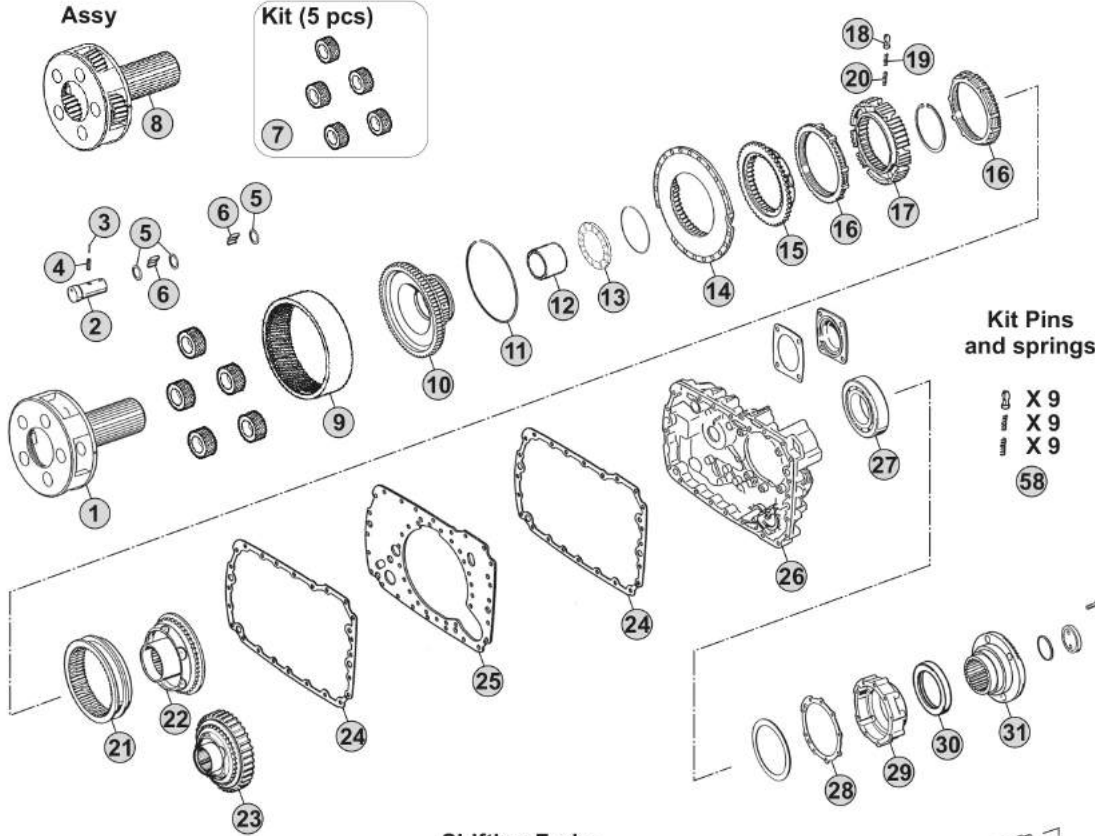
MODELS:

- NEW ECOSPLIT III

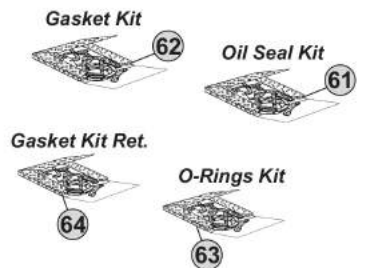
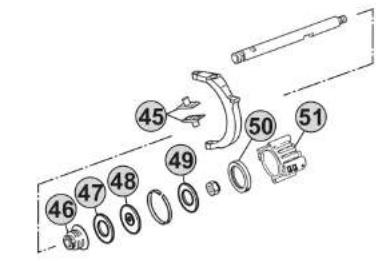
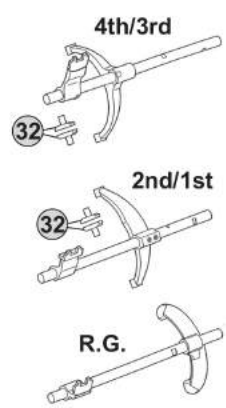
VERSIONS:

- 8S162 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks



Notes

8S162 R. 13,80-1,00

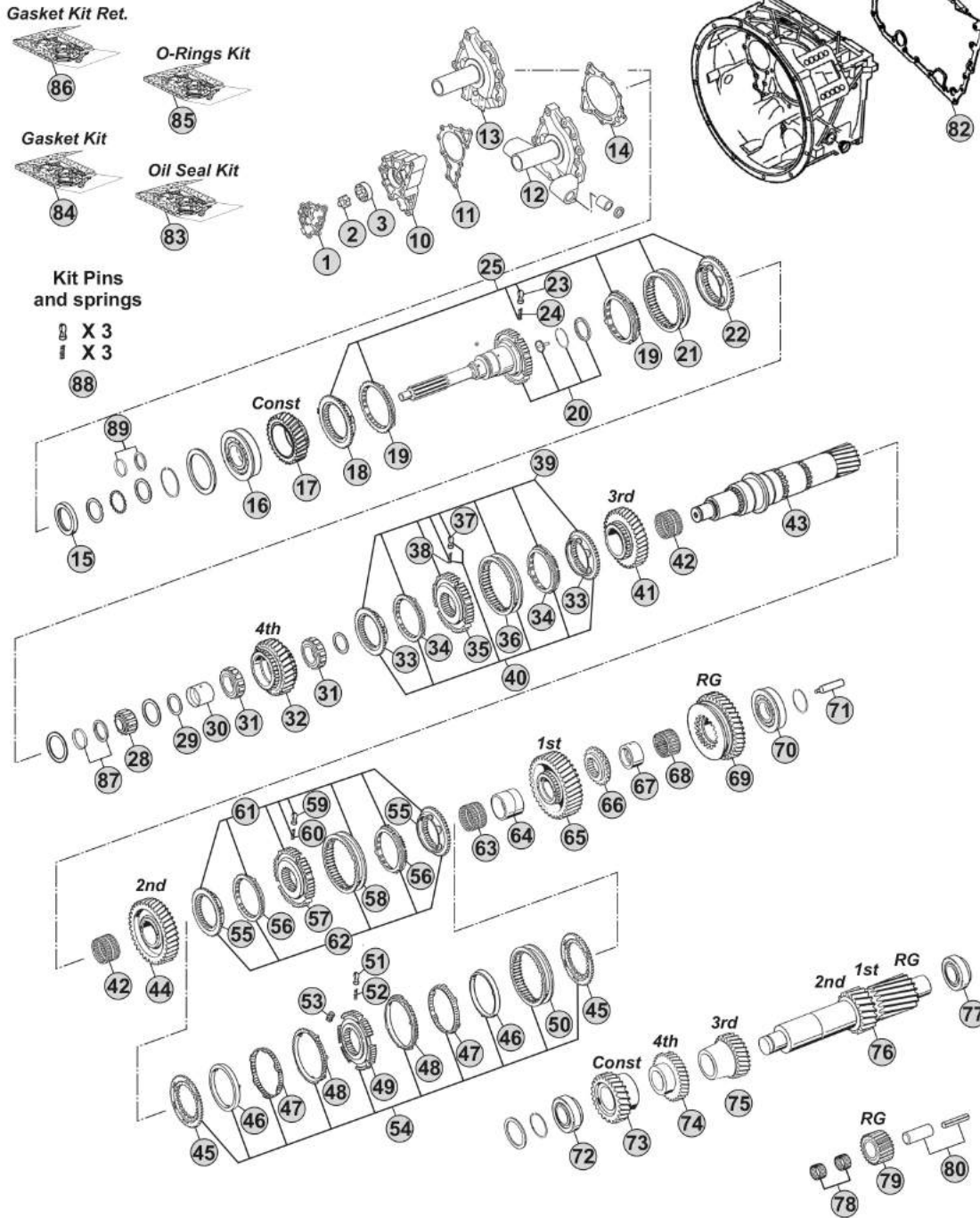
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S162 (1341 xxx xxx)



Notes

16S162 R.16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S162			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.553	1315 302 157	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.304	1315 202 037	Input Shaft	1		●			
20	190.506	1315 202 038	Input shaft	1		●			
20	190.315	1315 202 040	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
29	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
30	117.321	0750 119 125	Bush 67x77x54,1	1		●			
31	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
32	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
33	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
33	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
33	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
34	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
34	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
34	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

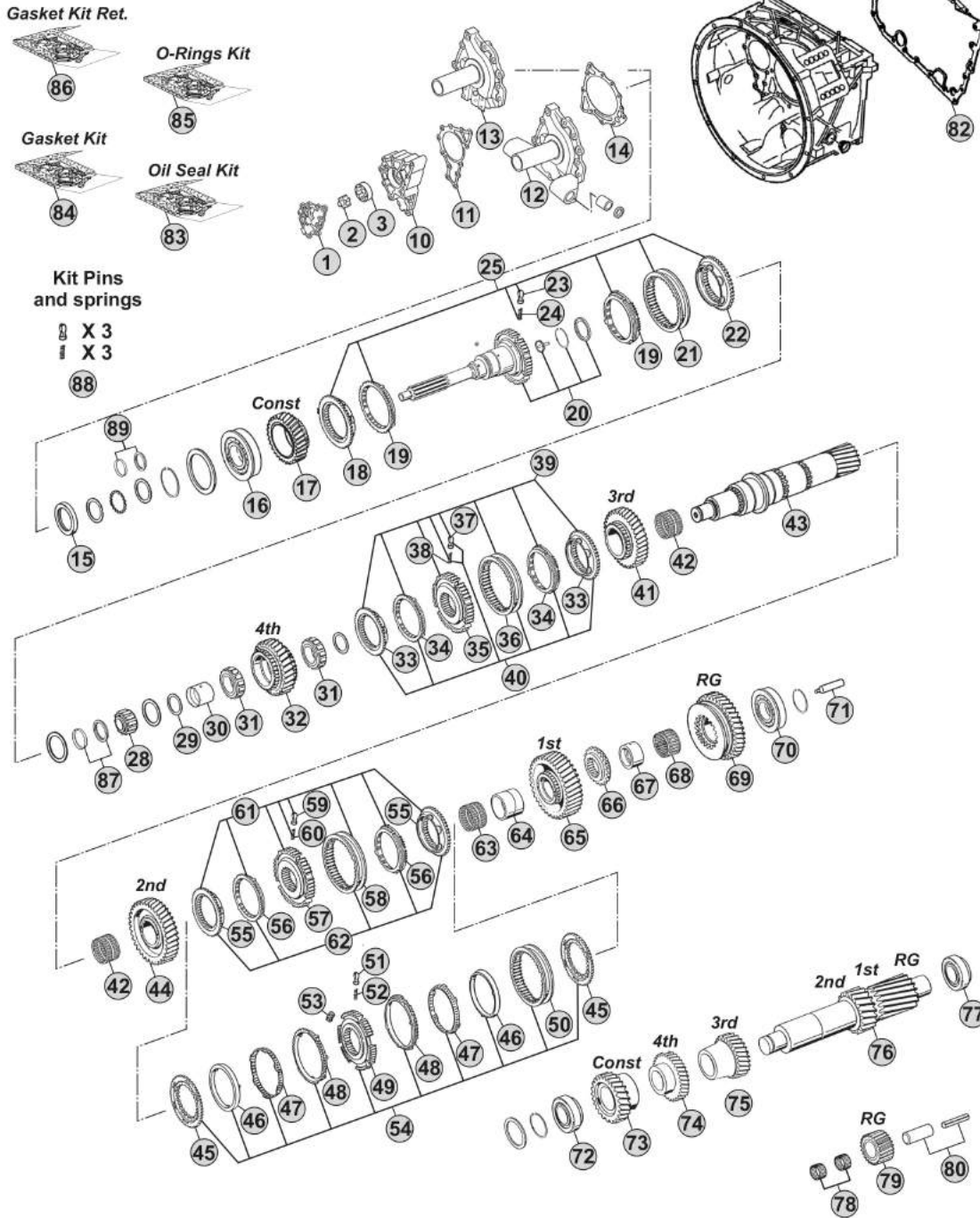
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S162 (1341 xxx xxx)



Notes

16S162 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S162			
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
36	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
36	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
37	160.189	1297 304 436	Pressure Piece	3		●			
38	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
39	298.021	1315 298 061	Synchro Kit	1	(21)	●			
40	298.291	1315 298 067	Synchro Kit	1	(21)	●			
40	298.288	1325 298 008	Synchro Kit	1	(22)	●			
40	196.442	1316 298 037	Synchro Kit	1	(23)	●			
41	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
42	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
43	103.138	1315 304 131	Main Shaft Z 23	1		●			
44	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
45	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
46	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
47	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
48	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
49	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			
50	154.190	1310 304 175	Sliding Sleeve	1	(30)	●			
51	160.189	1297 304 436	Pressure Piece	3	(30)	●			
52	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●			
53	156.176	1312 304 159	Slide	3	(30)	●			
54	198.969	1312 298 911	Synchro Kit	1	(30)	●			
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
58	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
58	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
59	160.189	1297 304 436	Pressure Piece	3		●			
60	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
61	298.020	1315 298 060	Synchro Kit	1	(32)	●			
62	298.286	1315 298 066	Synchro Kit	1	(32)	●			
62	298.287	1325 298 007	Synchro Kit	1	(33)	●			
62	196.440	1316 298 036	Synchro Kit	1	(34)	●			
63	137.160	0750 115 325	Needle Cage 96x104x55	1		●			
64	117.294	1313 304 038	Bush 95,94x85x54,95	1		●			
65	145.452	1315 304 004	Gear 1st Speed 47 T	1		●			
66	109.144	1315 304 018	Engaging Ring	1		●			
67	117.293	1315 304 132	Bush 89,94x80x40,95	1		●			

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

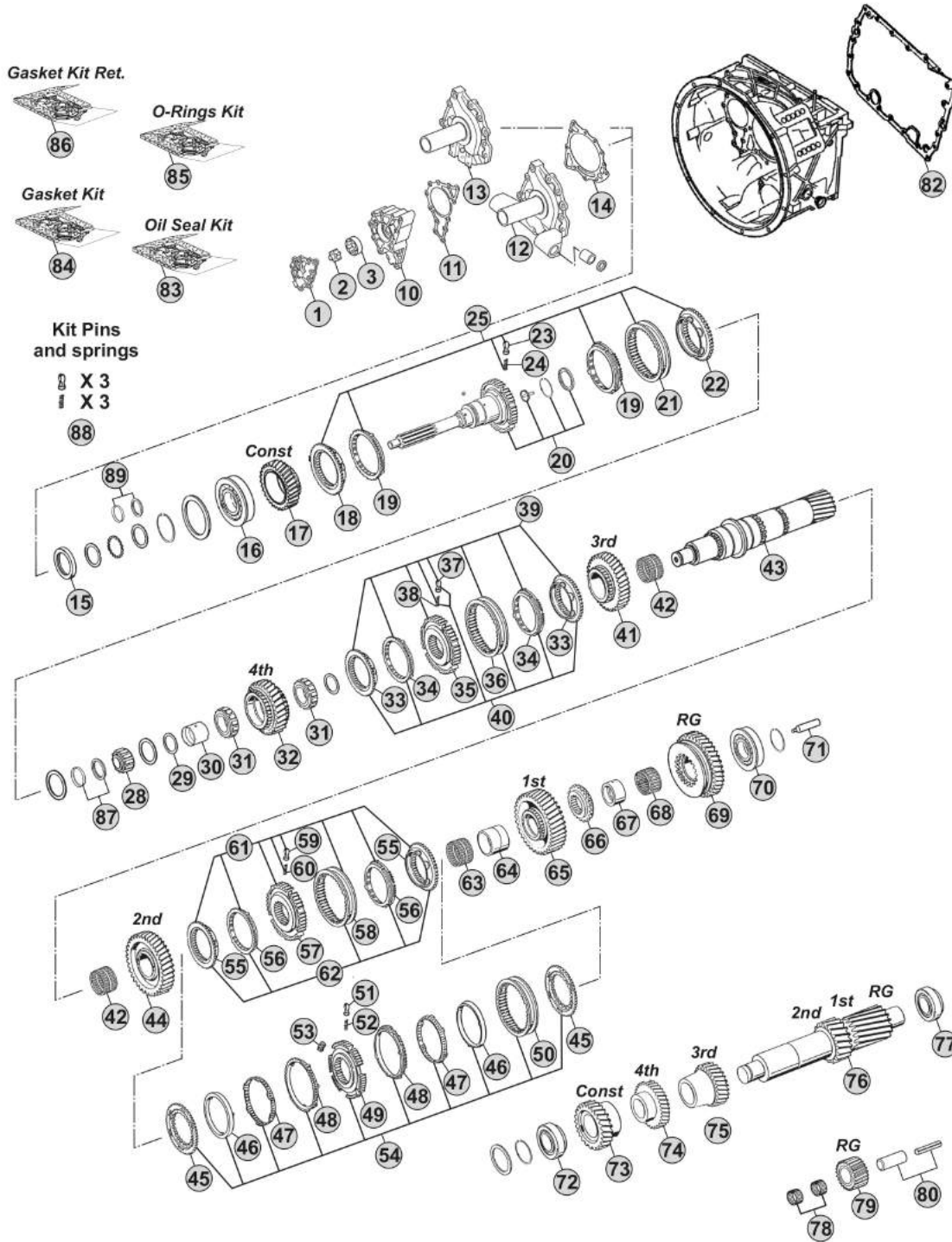
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S162 (1341 xxx xxx)



Notes

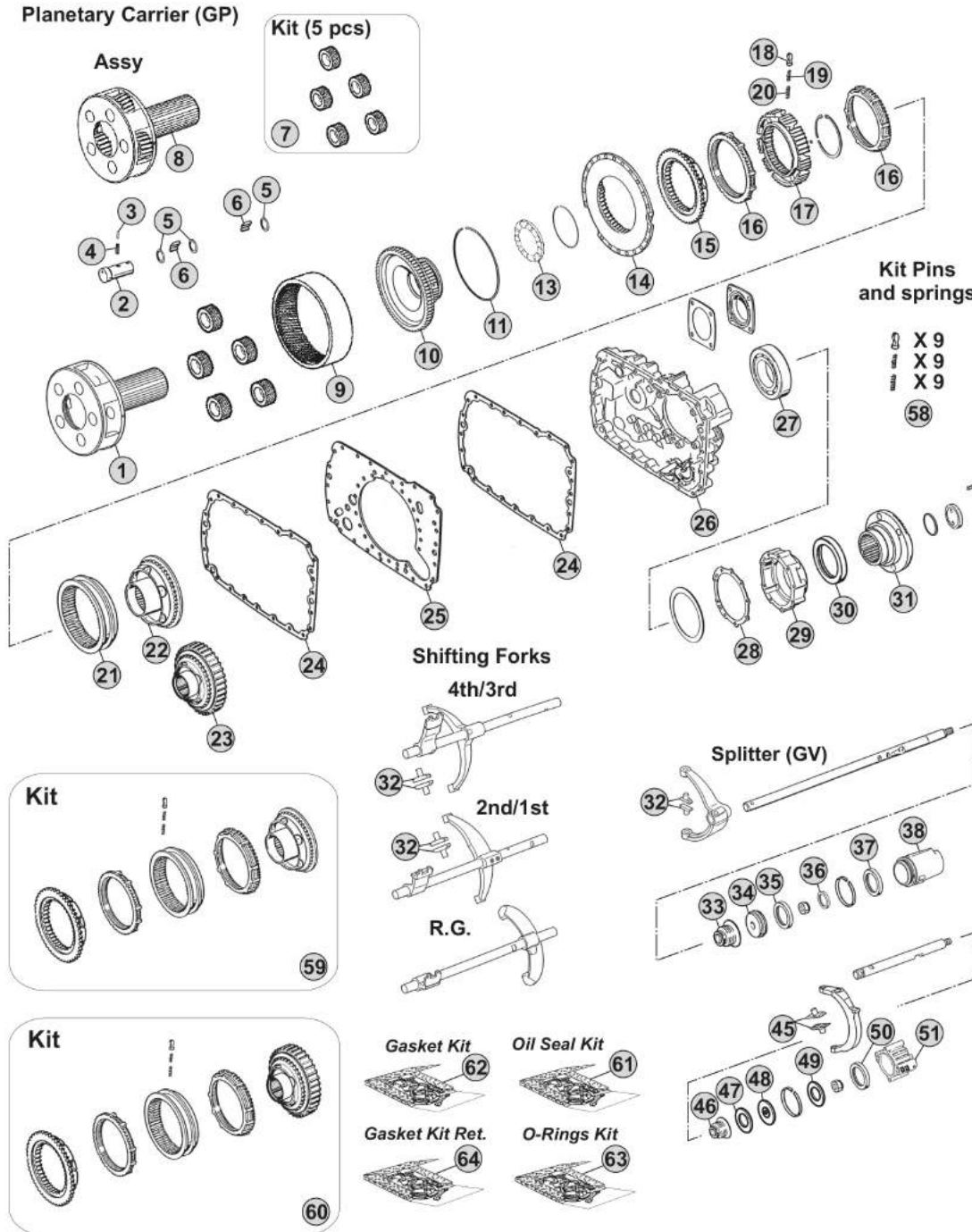
16S162 R.16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S162 (1341 xxx xxx)



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Notes

16S162 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S162			
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●			
2	107.159	1315 332 053	Planerary pin	5	(70)	●			
2	107.255	1315 332 091	Planerary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	169.744	0730 107 168	Spacer Ring	15		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●			
8	298.862		Planetary Carrier Assy	1	(71)	●			
9	123.211	1315 332 041	Crown Gear 82 T	1		●			
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
11	111.426	0730 513 583	Locking Wire	1		●			
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
14	135.122	1296 333 046	Saddle Plate	1		●			
15	109.174	1296 333 050	Synchronizer Cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●			
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1		●			
29	175.421	1315 231 004	Cover	1		●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
31	197.251	1313 338 002	Output Flange	1		●			
32	141.163	1297 306 120	Sliding pad	2	Old Type	●			

 NEW ECOSPLIT III
16S162
Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

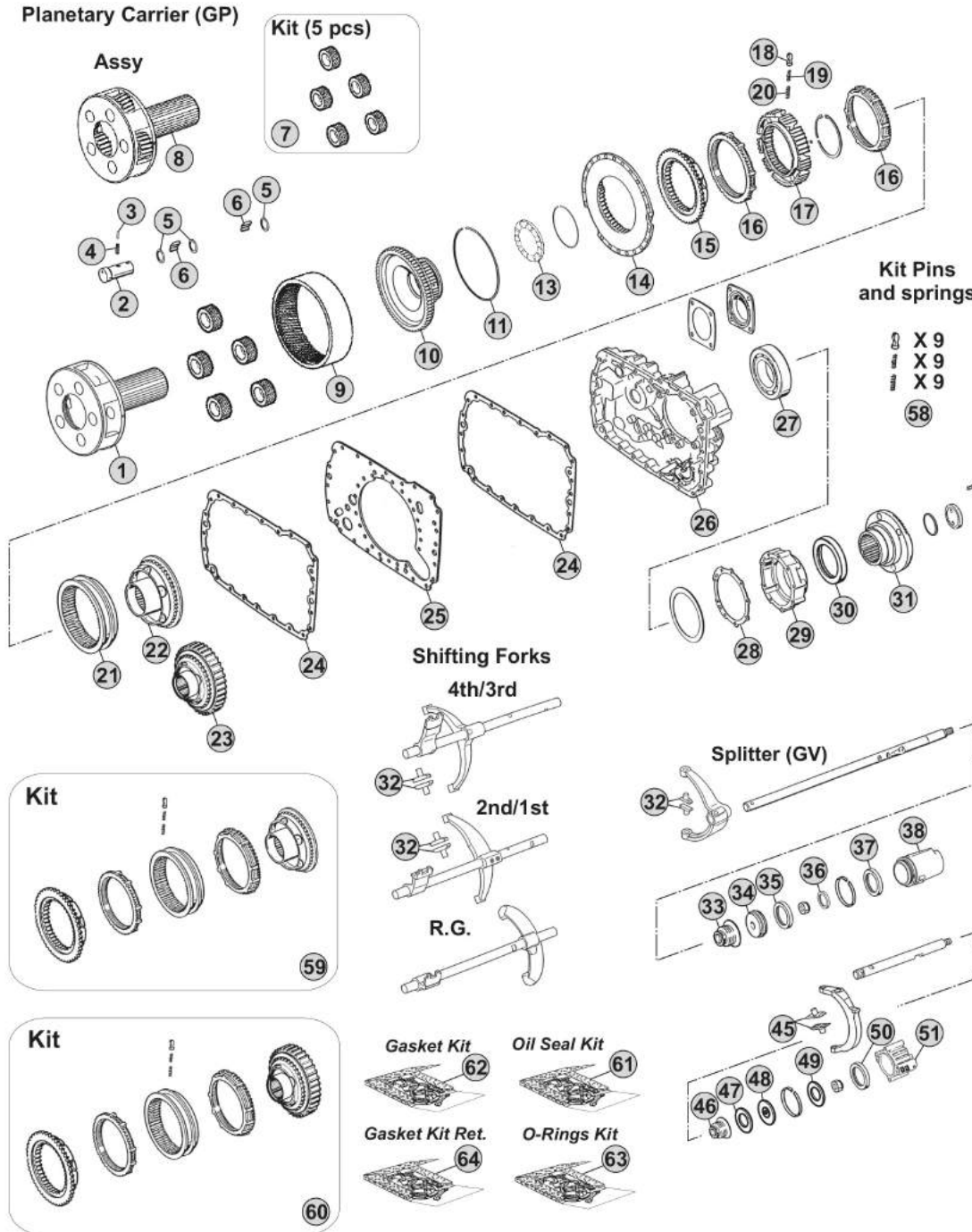
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S162 (1341 xxx xxx)



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Notes

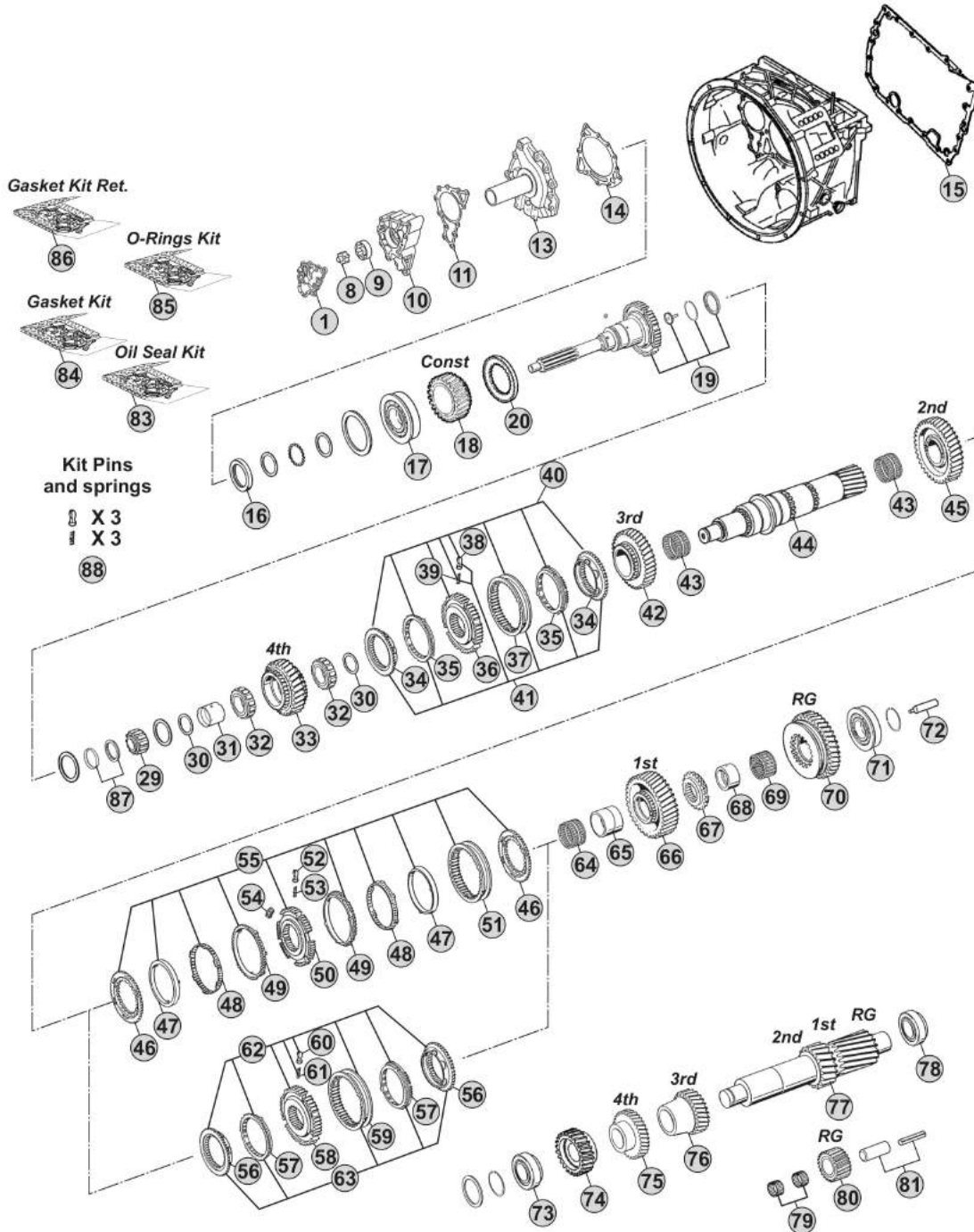
16S162 R.16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S182 (1341 xxx xxx)



Notes

8S182 R. 11,54-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	85182			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
8	189.679	1314 202 039	Oil Pump Shaft	1		●			
9	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
18	145.556	1315 302 158	Constant Gear 35 T	1		●			
19	190.304	1315 202 037	Input Shaft	1		●			
20		1315 302 185	Disk	1		●			
29	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
31	117.321	0750 119 125	Bush 67x77x54,1	1		●			
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
38	160.189	1297 304 436	Pressure Piece	3		●			
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
40	298.021	1315 298 061	Synchro Kit	1	(21)	●			
41	298.291	1315 298 067	Synchro Kit	1	(21)	●			
41	298.288	1325 298 008	Synchro Kit	1	(22)	●			
41	196.442	1316 298 037	Synchro Kit	1	(23)	●			
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
44	103.138	1315 304 131	Main Shaft Z 23	1		●			
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

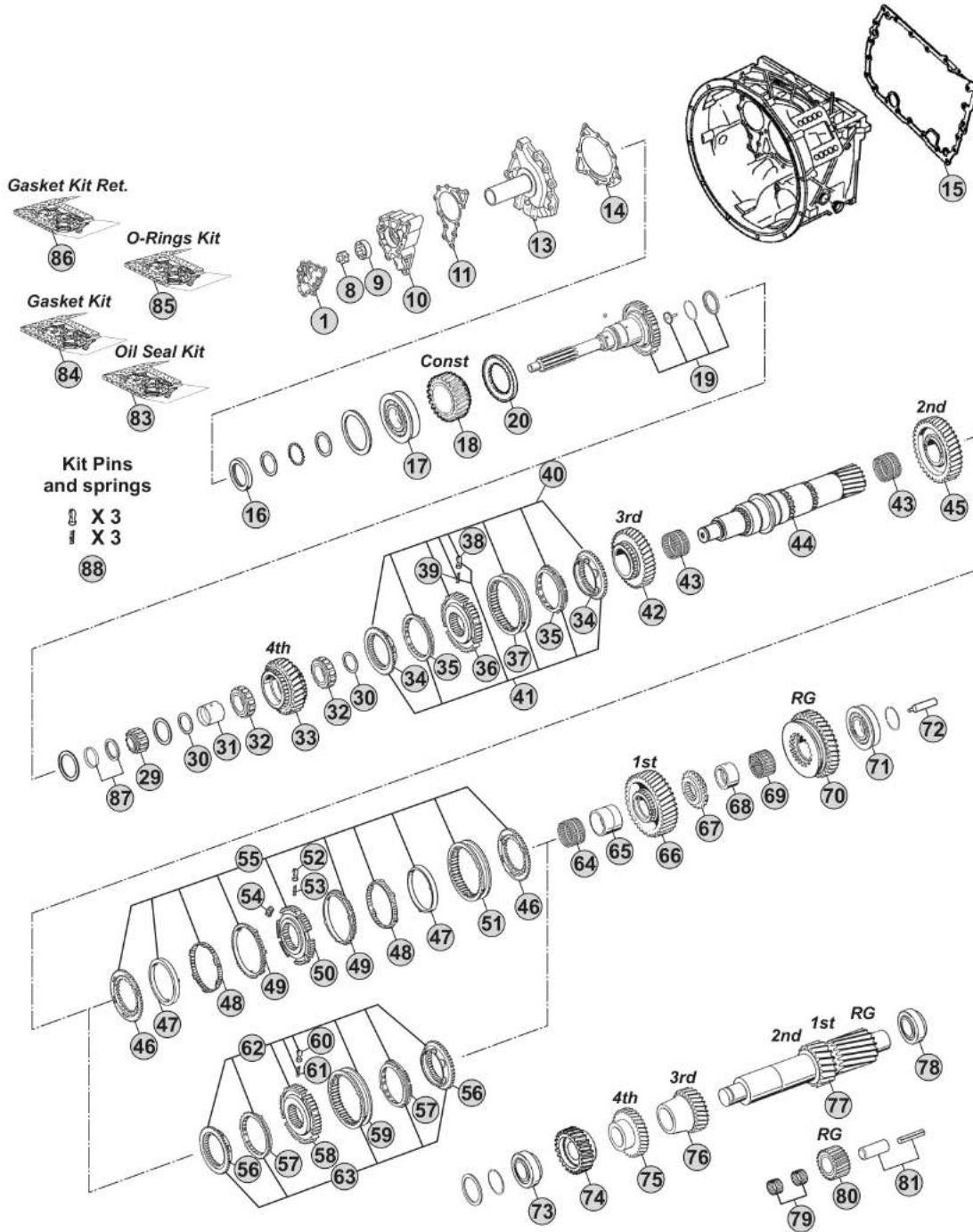
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S182 (1341 xxx xxx)



Notes

8S182 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	85182				
51	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
52	160.189	1297 304 436	Pressure Piece	3	(30)	●				
53	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
54	156.176	1312 304 159	Slide	3	(30)	●				
55	198.969	1312 298 911	Synchro Kit	1	(30)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
59	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
60	160.189	1297 304 436	Pressure Piece	3		●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
62	298.020	1315 298 060	Synchro Kit	1	(32)	●				
63	298.286	1315 298 066	Synchro Kit	1	(32)	●				
63	298.287	1325 298 007	Synchro Kit	1	(33)	●				
63	196.440	1316 298 036	Synchro Kit	1	(34)	●				
64	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
65	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
67	109.144	1315 304 018	Engaging Ring	1		●				
68	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
69	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
70	147.123	1315 304 006	Reverse Gear 44 T	1		●				
71	130.309	0750 117 677	Bearing 80x130x36	1		●				
72	188.209	1312 304 150	Oil Tube	1		●				
73	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
74	146.473	1315 303 064	Constant Gear 32 T	1		●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
77	105.216	1315 303 063	Countershaft 17/20 T	1		●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.126	1315 305 011	Reverse Gear 22 T	1		●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1	Paper	●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
85	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
86	298.860	6085 298 013	Gasket Kit intarder	1		●				
87	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				

Date

02/2015

Notes

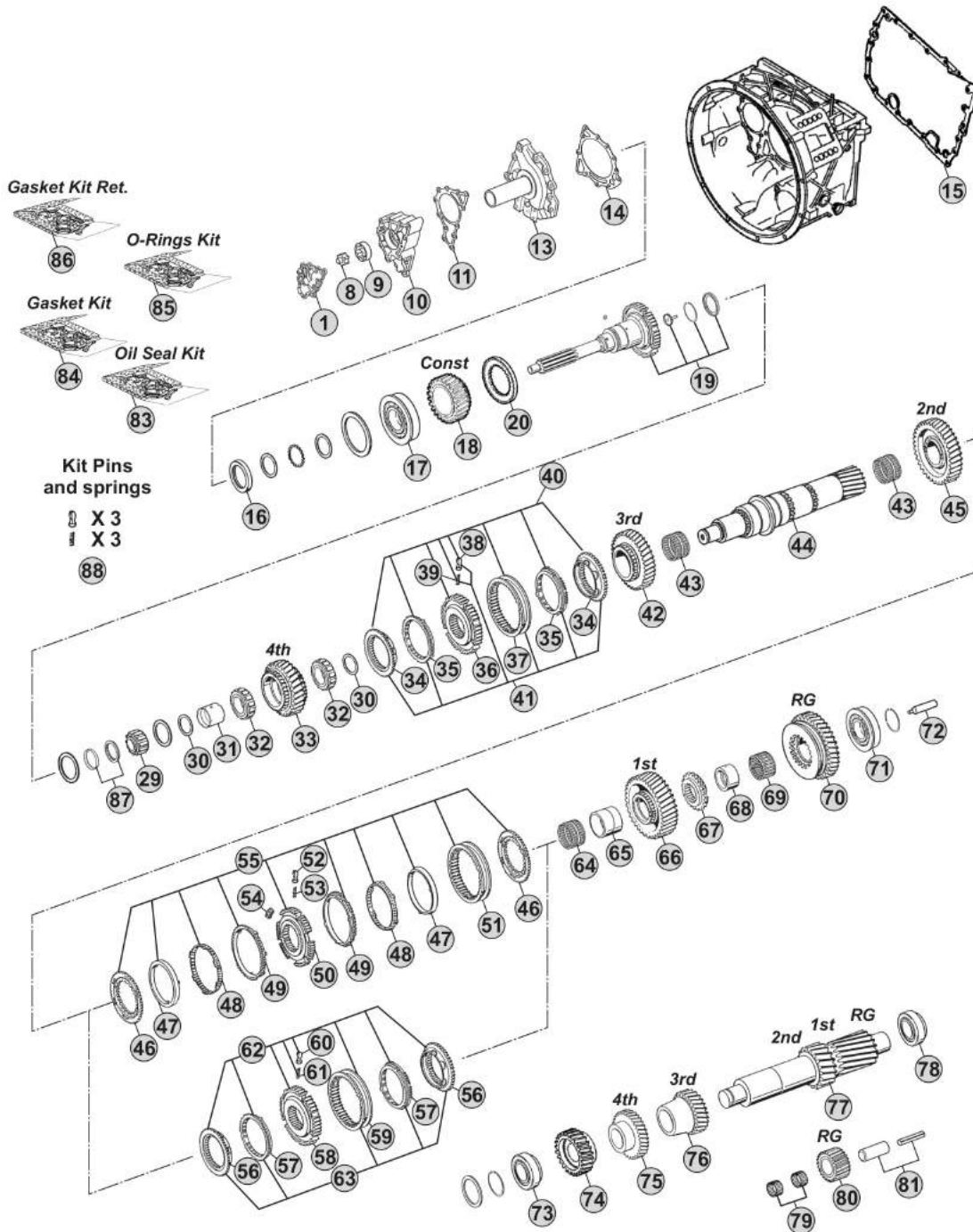
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S182 (1341 xxx xxx)



Notes

8S182 R. 11,54-0,84

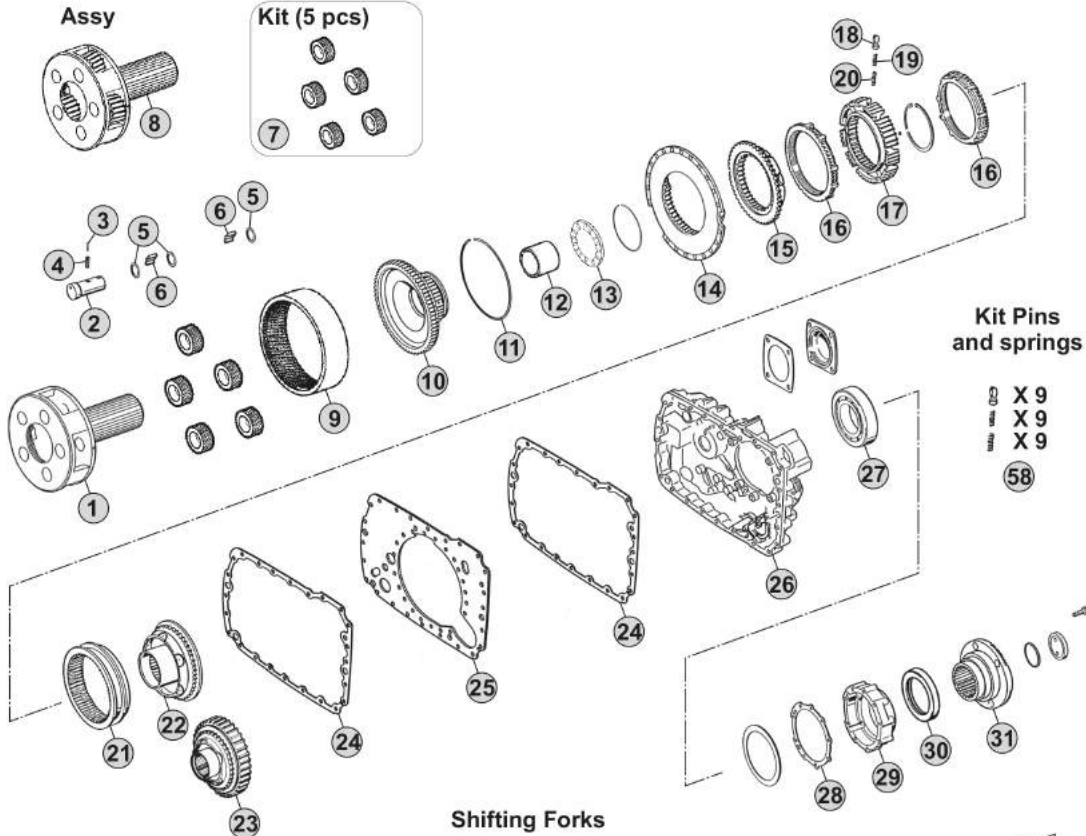
MODELS:

- NEW ECOSPLIT III

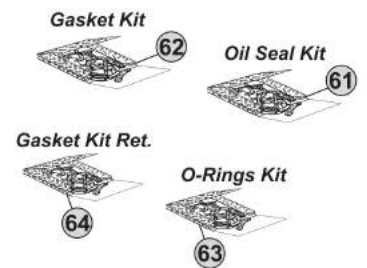
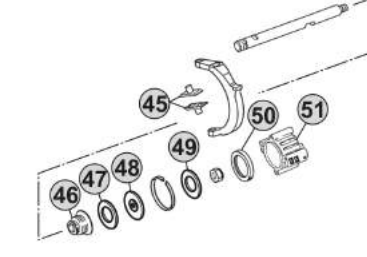
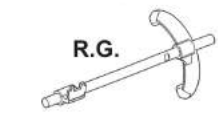
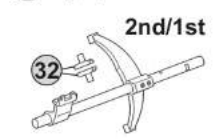
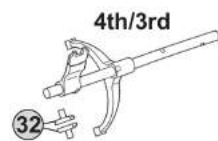
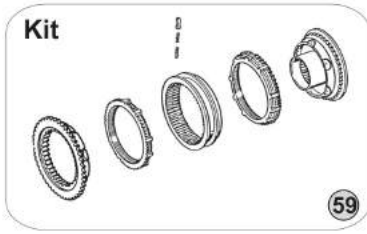
VERSIONS:

- 8S182 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks



Notes

8S182 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	85182			
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●			
2	107.159	1315 332 053	Planerary pin	5	(70)	●			
2	107.255	1315 332 091	Planerary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	169.744	0730 107 168	Spacer Ring	15		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●			
8	298.862		Planetary Carrier Assy	1	(71)	●			
9	123.211	1315 332 041	Crown Gear 82 T	1		●			
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
11	111.426	0730 513 583	Locking Wire	1		●			
12	119.256	1316 333 014	Intermediate Ring	1		●			
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
14	135.122	1296 333 046	Saddle Plate	1		●			
15	109.174	1296 333 050	Synchronizer Cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●			
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1		●			
29	175.421	1315 231 004	Cover	1		●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
32	141.163	1297 306 120	Sliding pad	2	Old Type	●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

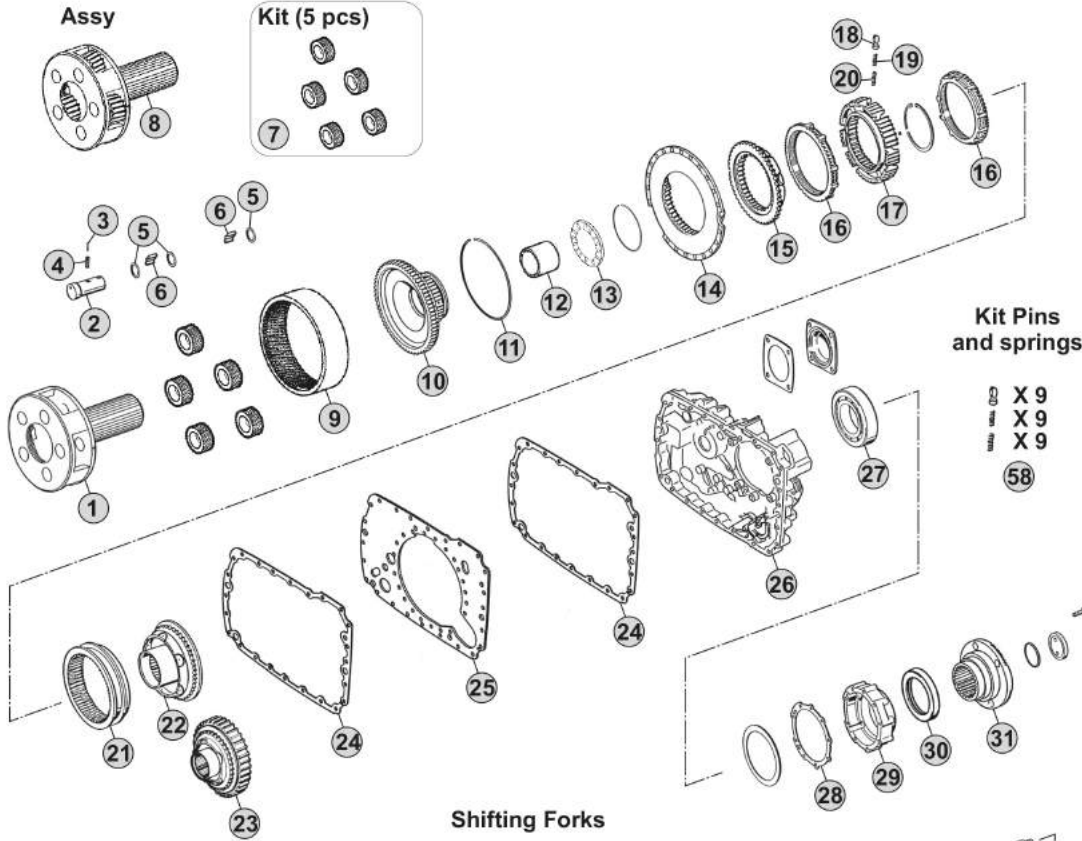
MODELS:

- NEW ECOSPLIT III

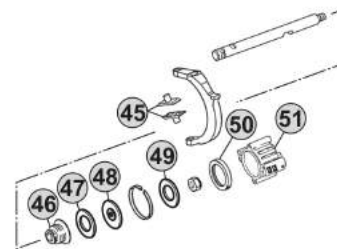
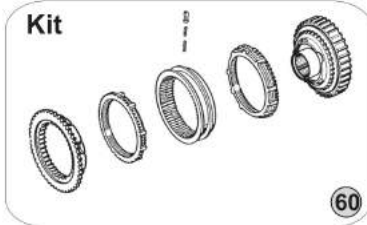
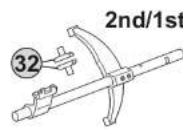
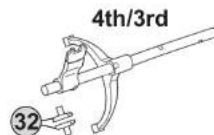
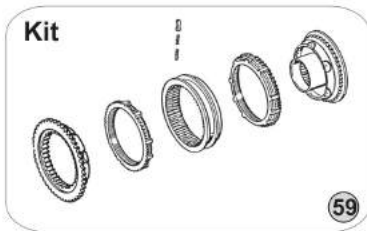
VERSIONS:

- 8S182 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks

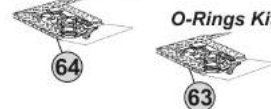


Gasket Kit



Oil Seal Kit

Gasket Kit Ret.



O-Rings Kit

Notes

8S182 R. 11,54-0,84

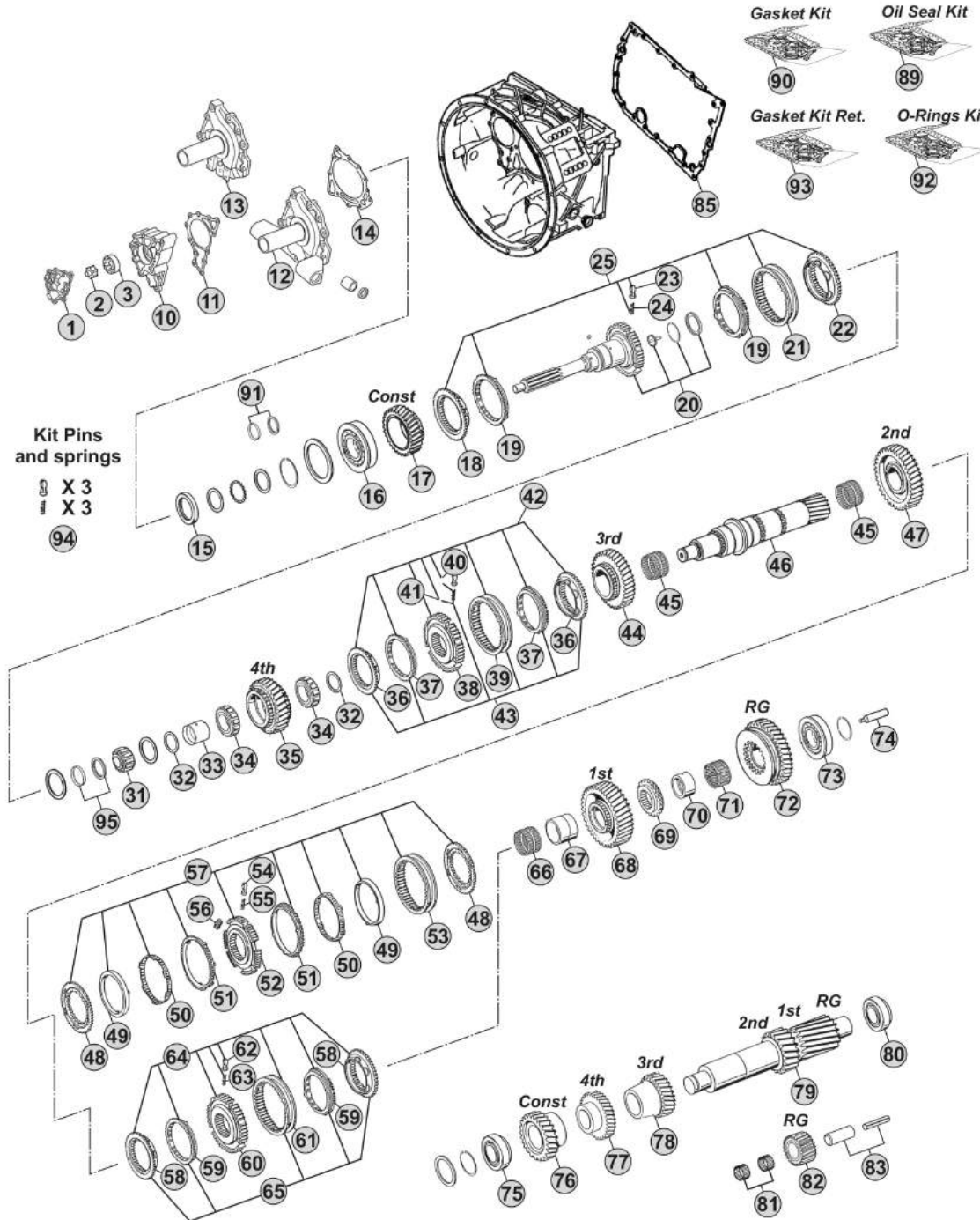
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S182 (1341 xxx xxx)



Notes

16S182 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S182				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.556	1315 302 158	Constant Gear 35 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.304	1315 202 037	Input Shaft	1		●				
20	190.506	1315 202 038	Input shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.321	0750 119 125	Bush 67x77x54,1	1		●				
34	137.164	0750 115 534	Roller Cage 77x101x29	2		●				
35	146.320	1315 304 089	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

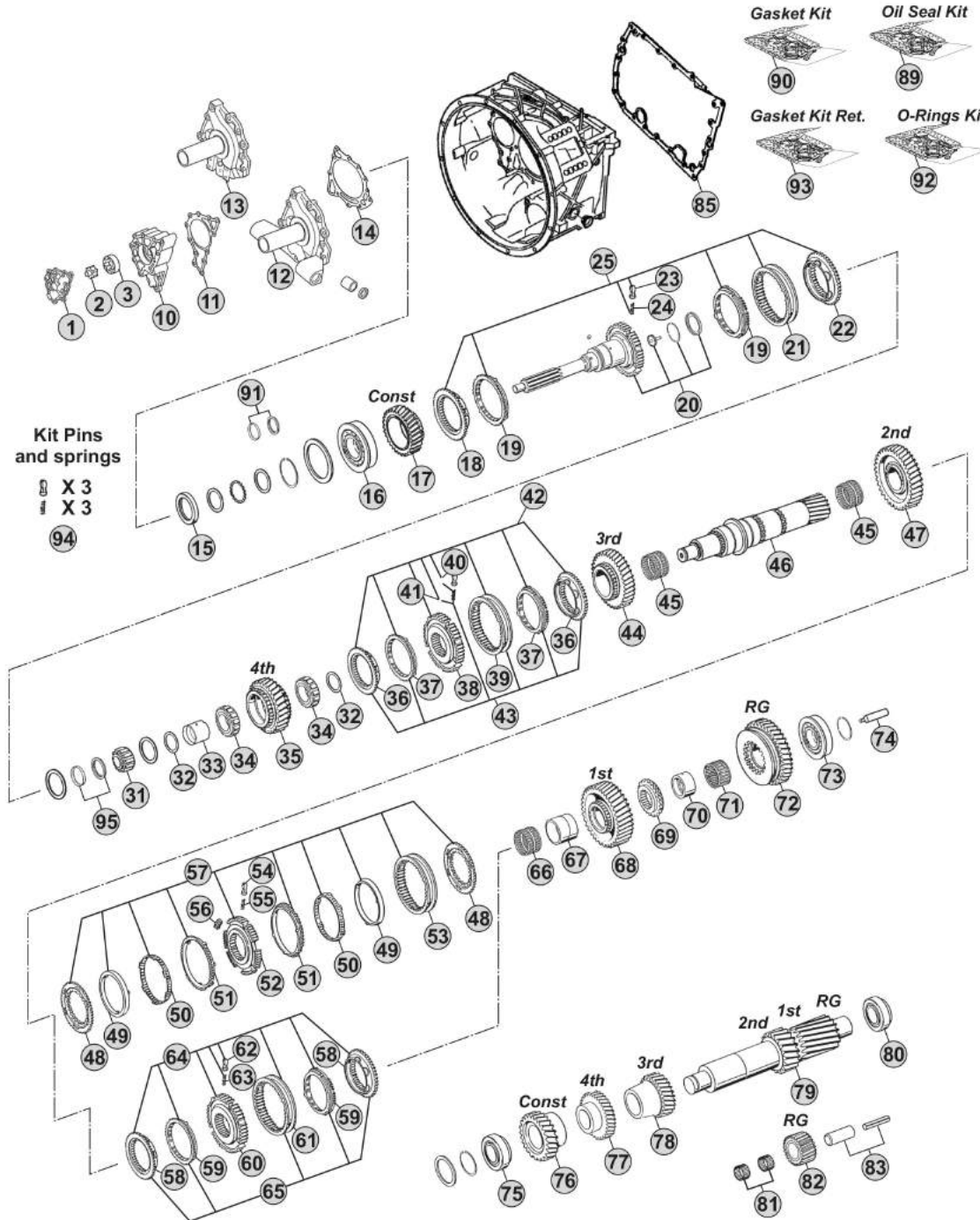
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S182 (1341 xxx xxx)



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Notes

16S182 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S182				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.138	1315 304 131	Main Shaft Z 23	1		●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
67	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
69	109.144	1315 304 018	Engaging Ring	1		●				
70	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
71	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
72	147.123	1315 304 006	Reverse Gear 44 T	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

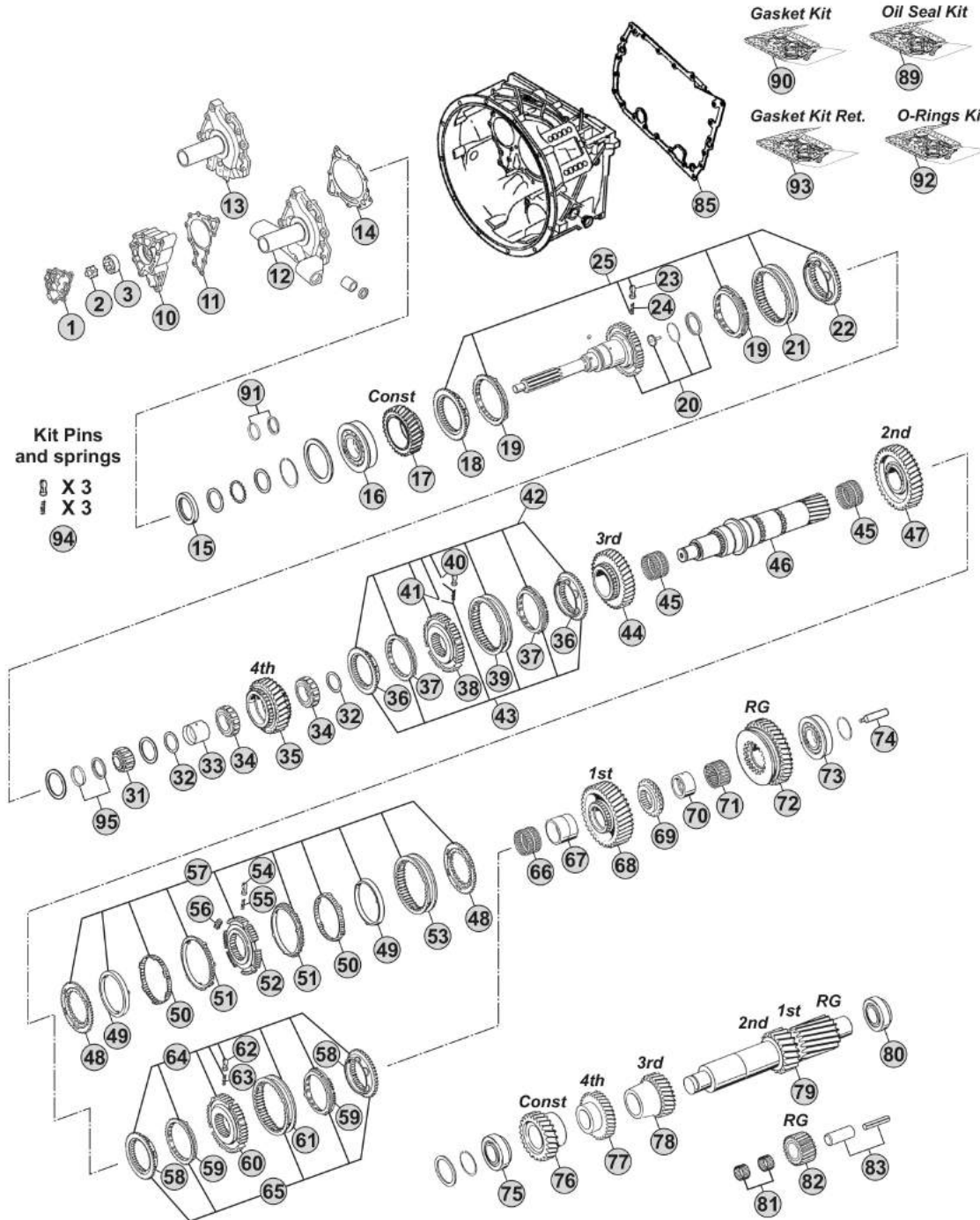
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S182 (1341 xxx xxx)



Notes

16S182 R.13,80-0,84

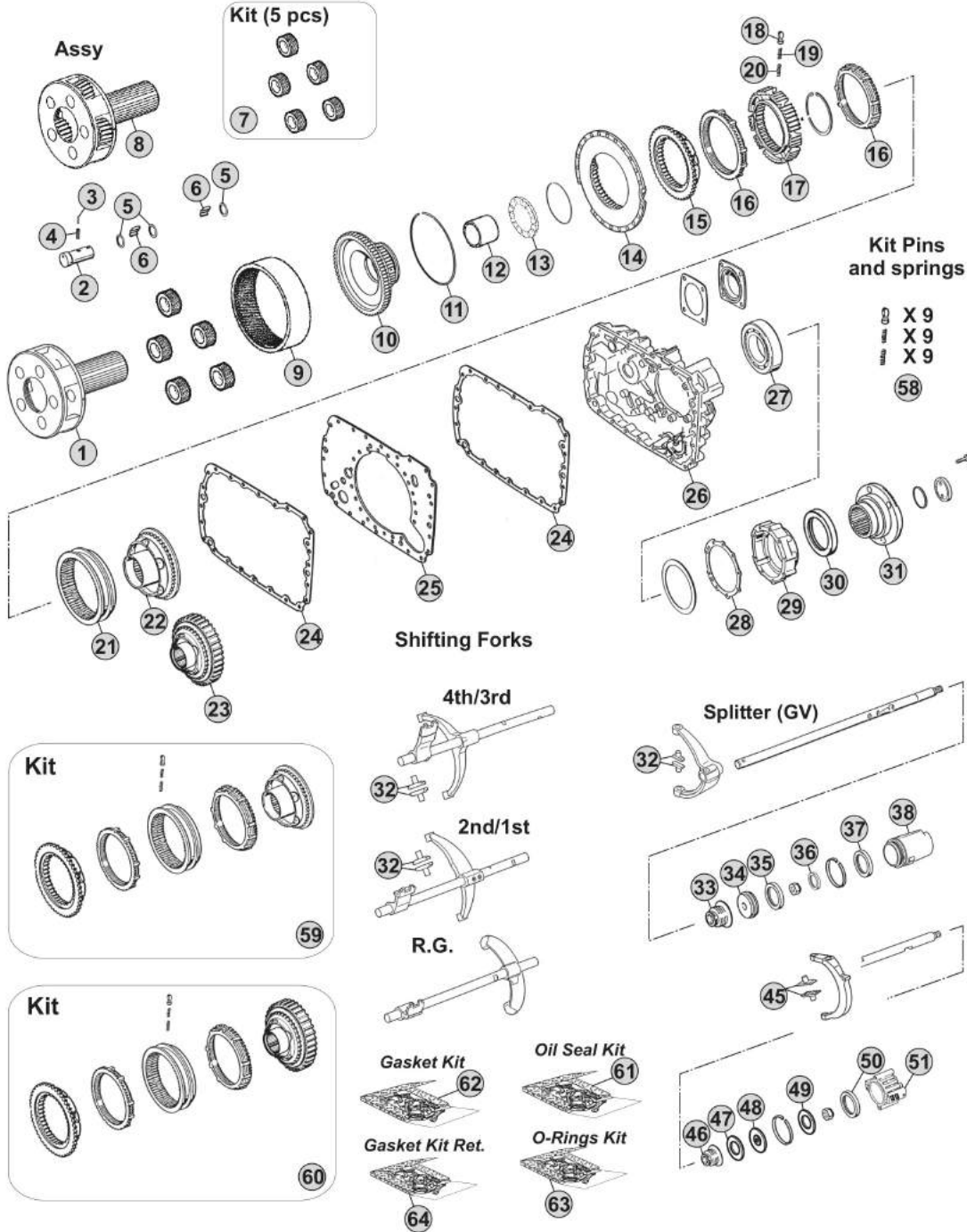
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S182 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

16S182 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S182			
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●			
2	107.159	1315 332 053	Planerary pin	5	(70)	●			
2	107.255	1315 332 091	Planerary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	169.744	0730 107 168	Spacer Ring	15		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●			
8	298.862		Planetary Carrier Assy	1	(71)	●			
9	123.211	1315 332 041	Crown Gear 82 T	1		●			
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
11	111.426	0730 513 583	Locking Wire	1		●			
12	119.256	1316 333 014	Intermediate Ring	1		●			
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
14	135.122	1296 333 046	Saddle Plate	1		●			
15	109.174	1296 333 050	Synchronizer Cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●			
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1		●			
29	175.421	1315 231 004	Cover	1		●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
31		1316 332 125	Output Flange	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

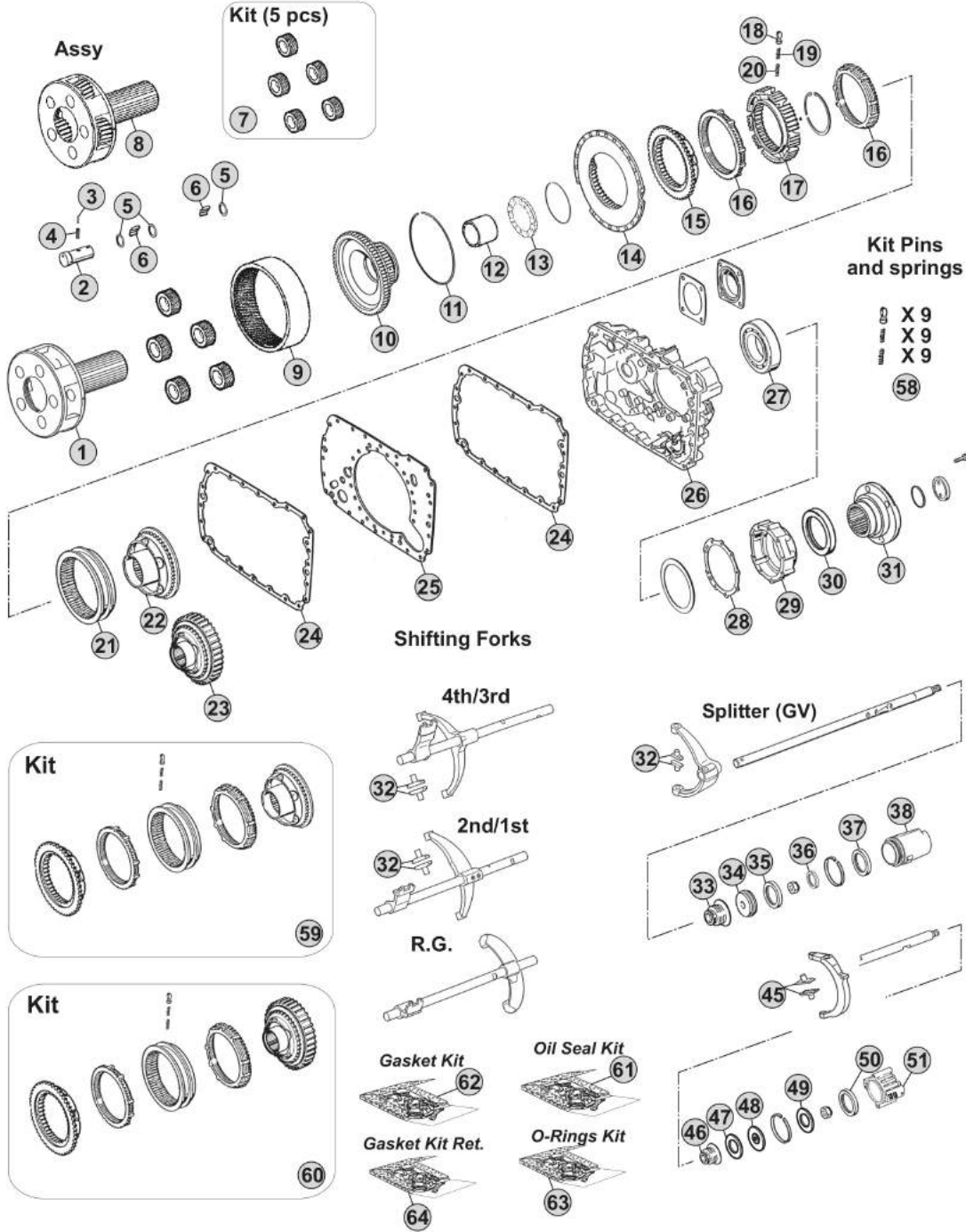
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S182 (1341 xxx xxx)

Planetary Carrier (GP)



Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Notes

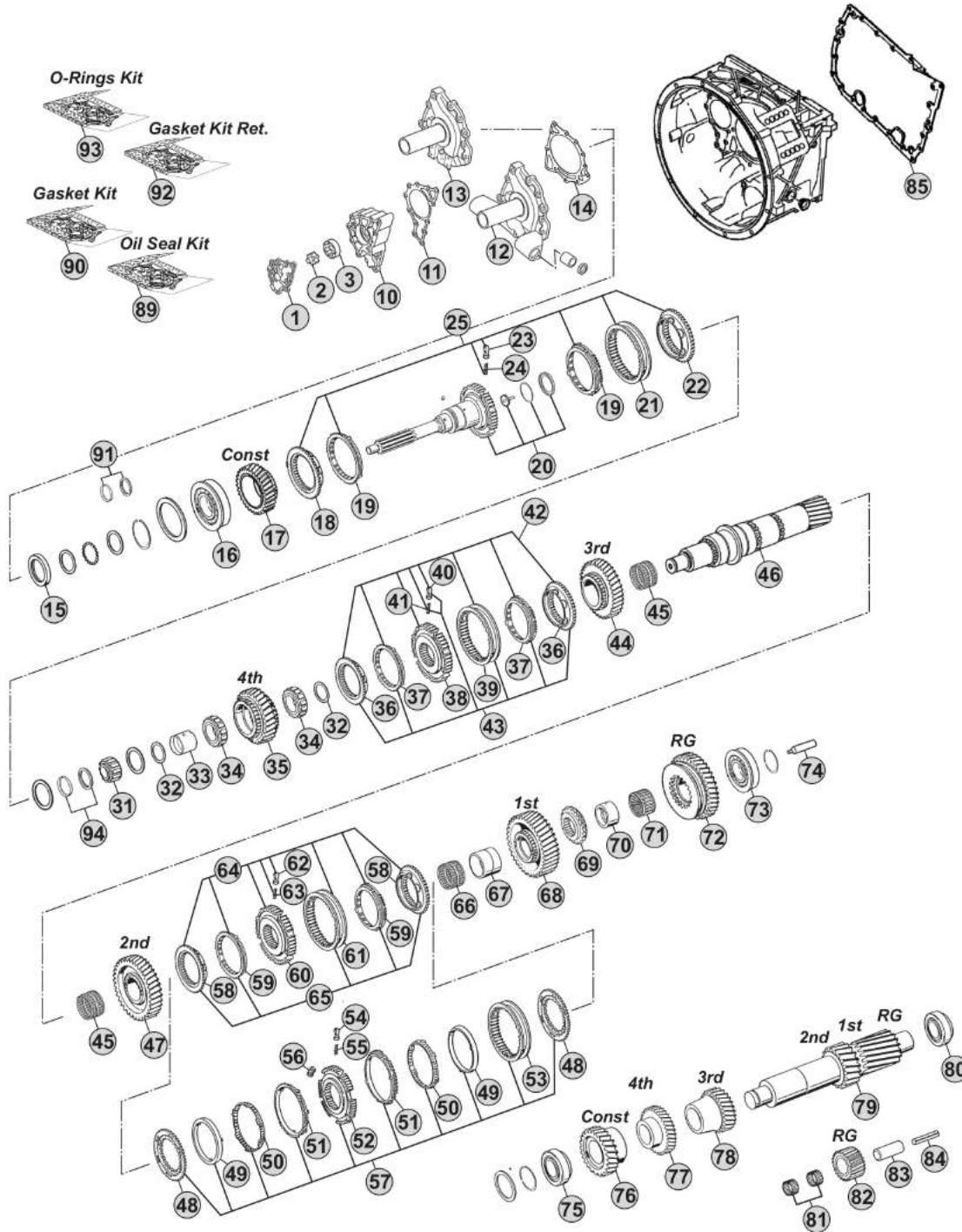
16S182 R.13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S192 (1342 xxx xxx)



Notes

16S192 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S192				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
12	135.251	1315 202 055	Front Cover	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.483	1316 302 066	Constant Gear 30 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.417	1316 202 038	Input Shaft	1		●				
20	190.303	1316 202 025	Input Shaft	1		●				
20	190.300	1316 202 026	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

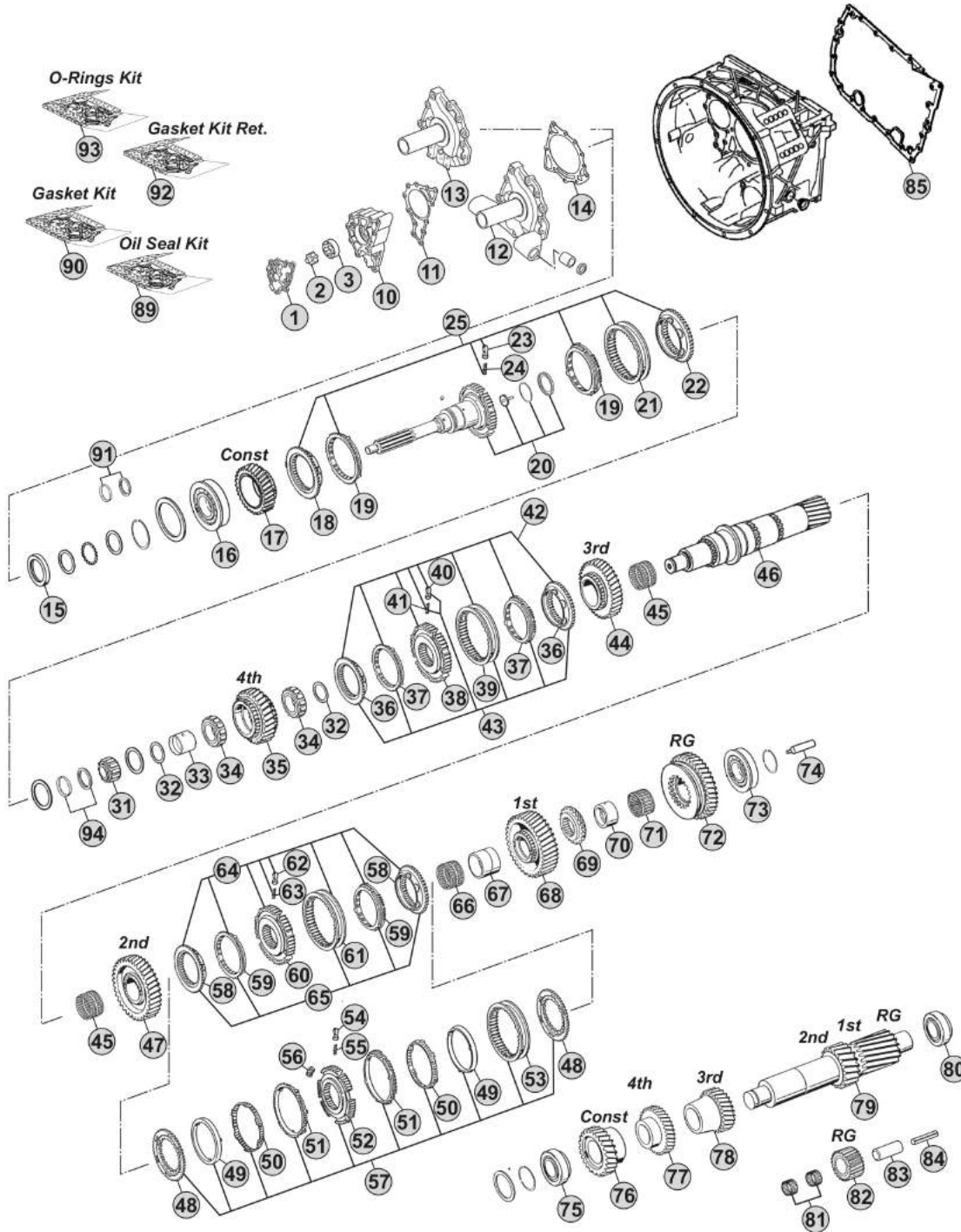
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S192 (1342 xxx xxx)



Notes

16S192 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S192				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				

Date

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Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (22) Only for 3rd/4th Speed - Latest type - Do not mix
 (30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

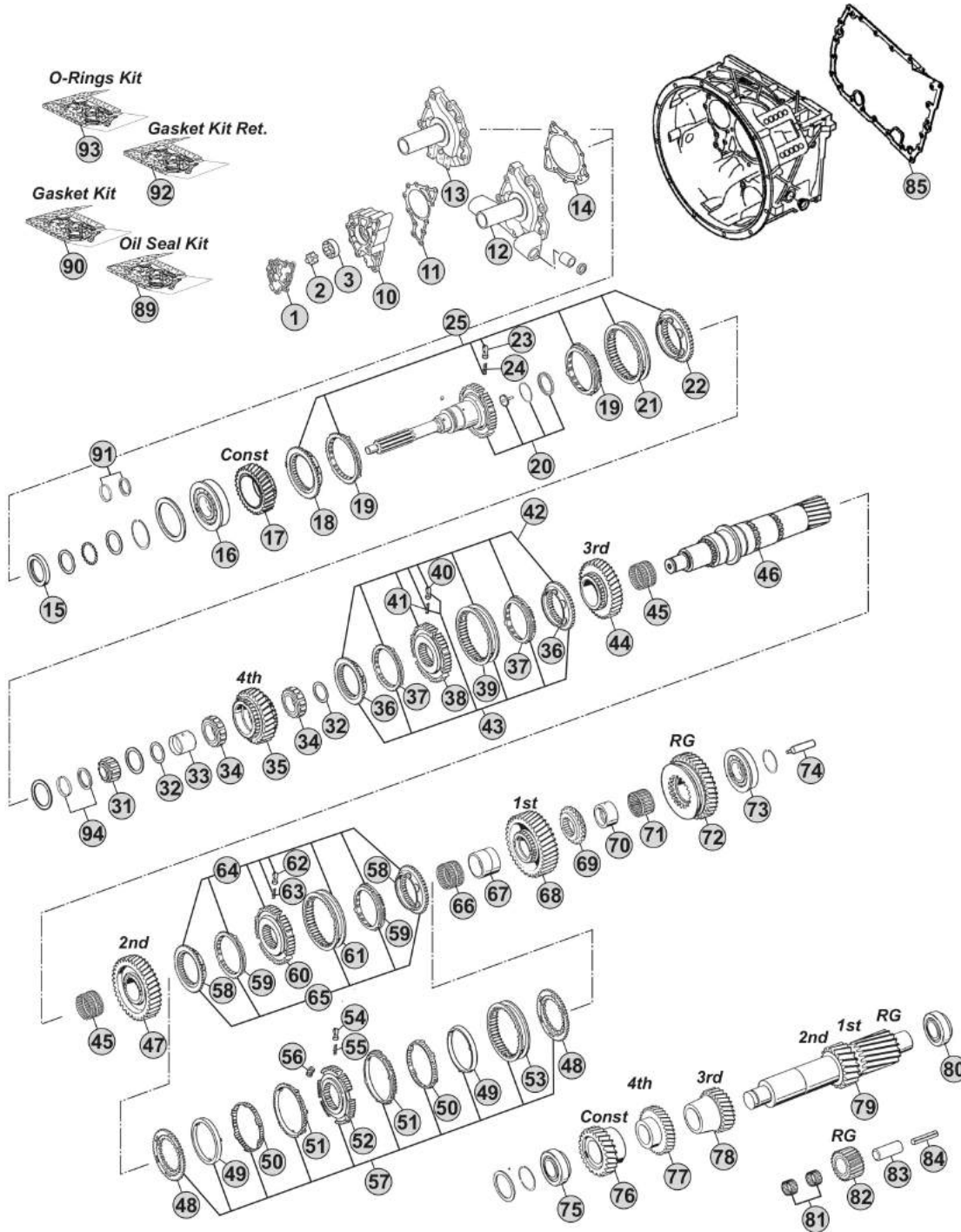
(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S192 (1342 xxx xxx)



Notes

16S192 R. 16,41-1,00

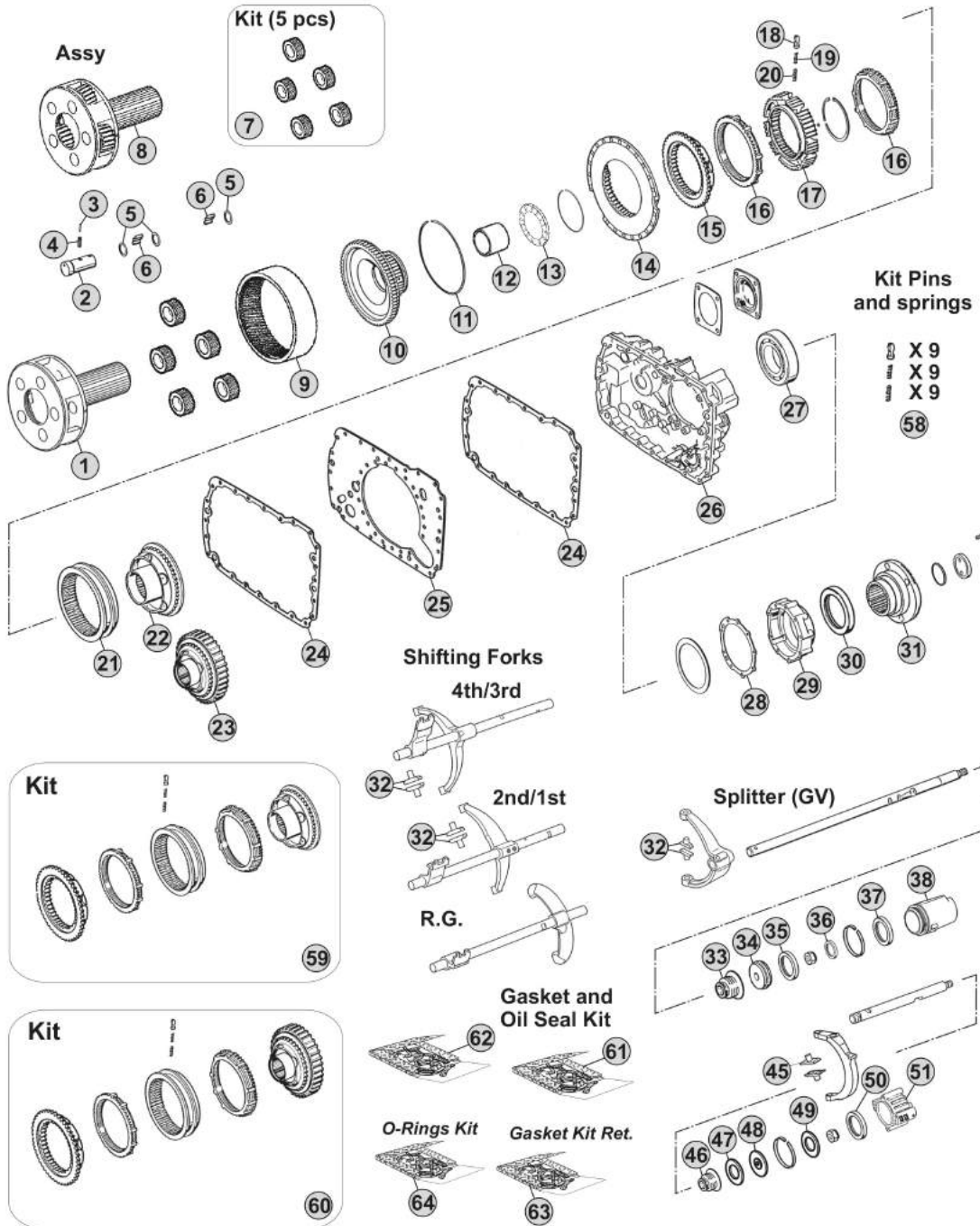
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S192 (1342 xxx xxx)

Planetary Carrier (GP)



Notes

16S192 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S192				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31		1316 332 125	Output Flange	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

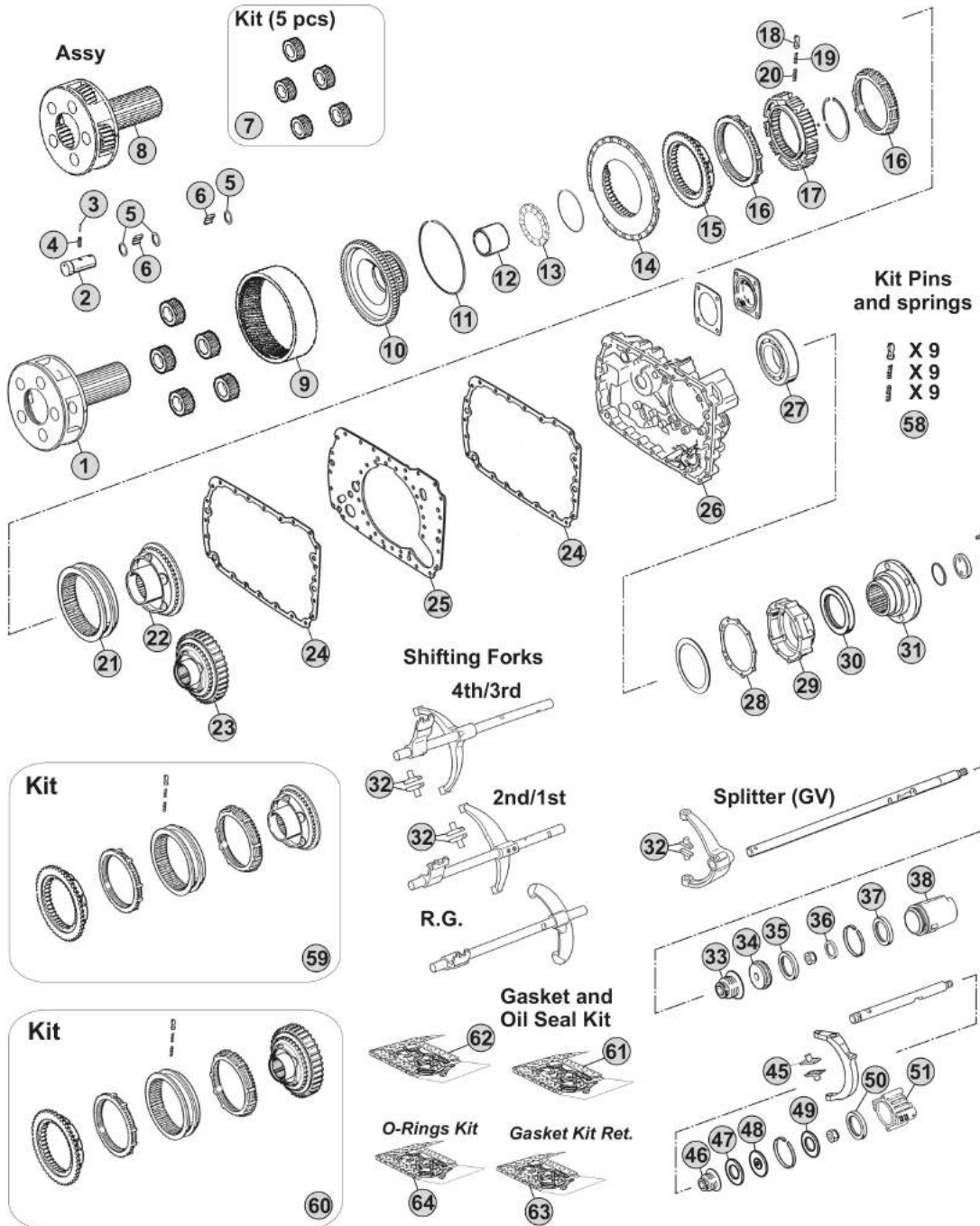
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S192 (1342 xxx xxx)

Planetary Carrier (GP)



Notes

16S192 R. 16,41-1,00

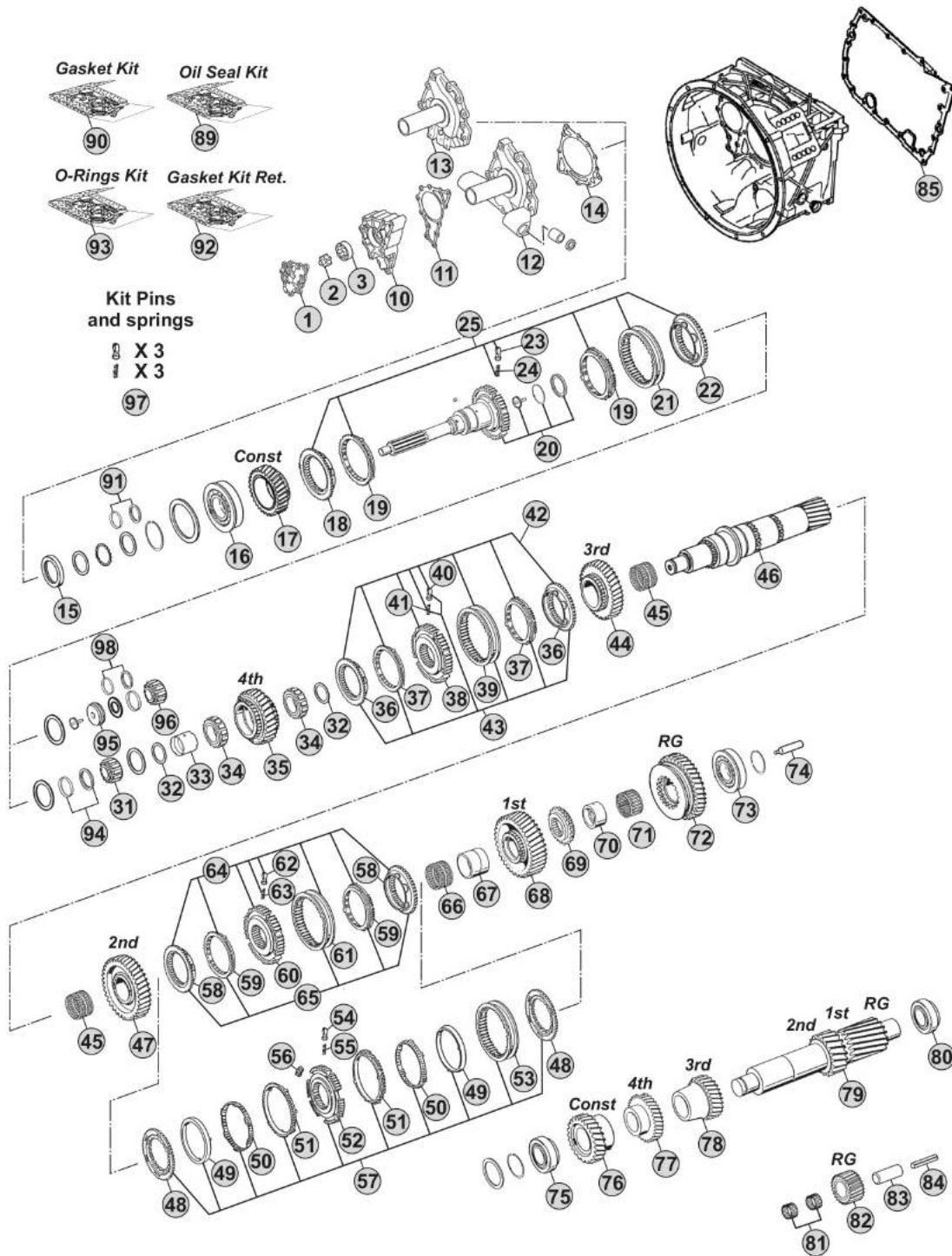
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1342 xxx xxx)



Notes

16S222 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
12	135.251	1315 202 055	Front Cover	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.554	1316 302 067	Constant Gear 35 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.303	1316 202 025	Input Shaft	1	(10)	●				
20	190.300	1316 202 026	Input Shaft	1	(10)	●				
20	190.417	1316 202 038	Input Shaft	1	(10)	●				
20	102.666	1316 202 040	Input Shaft	1	(11)	●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(10)	●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(10) For Mainshaft 1316 304 132

(11) For Mainshaft 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

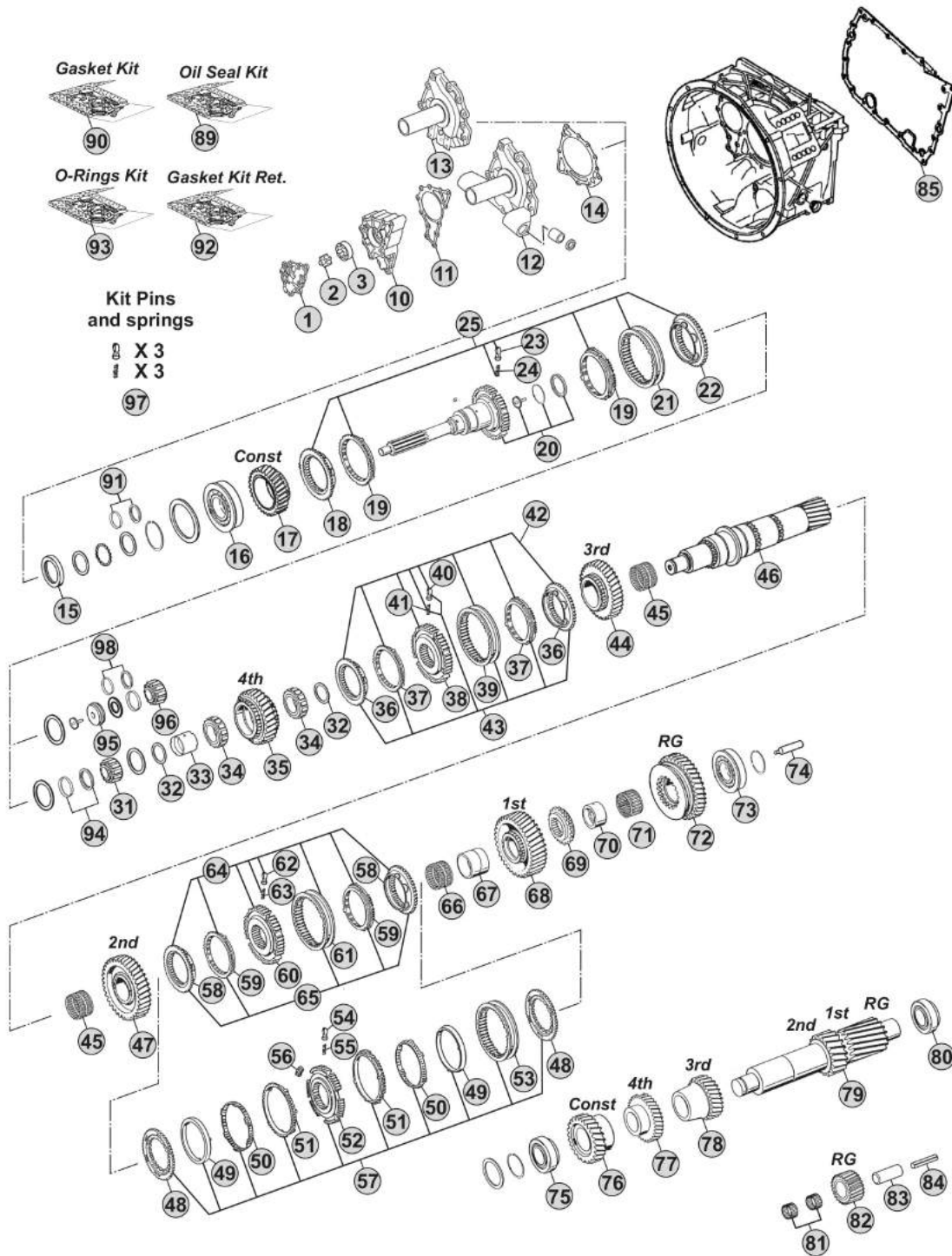
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1342 xxx xxx)



Notes

16S222 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●				
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				

Date

02/2015

Notes

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

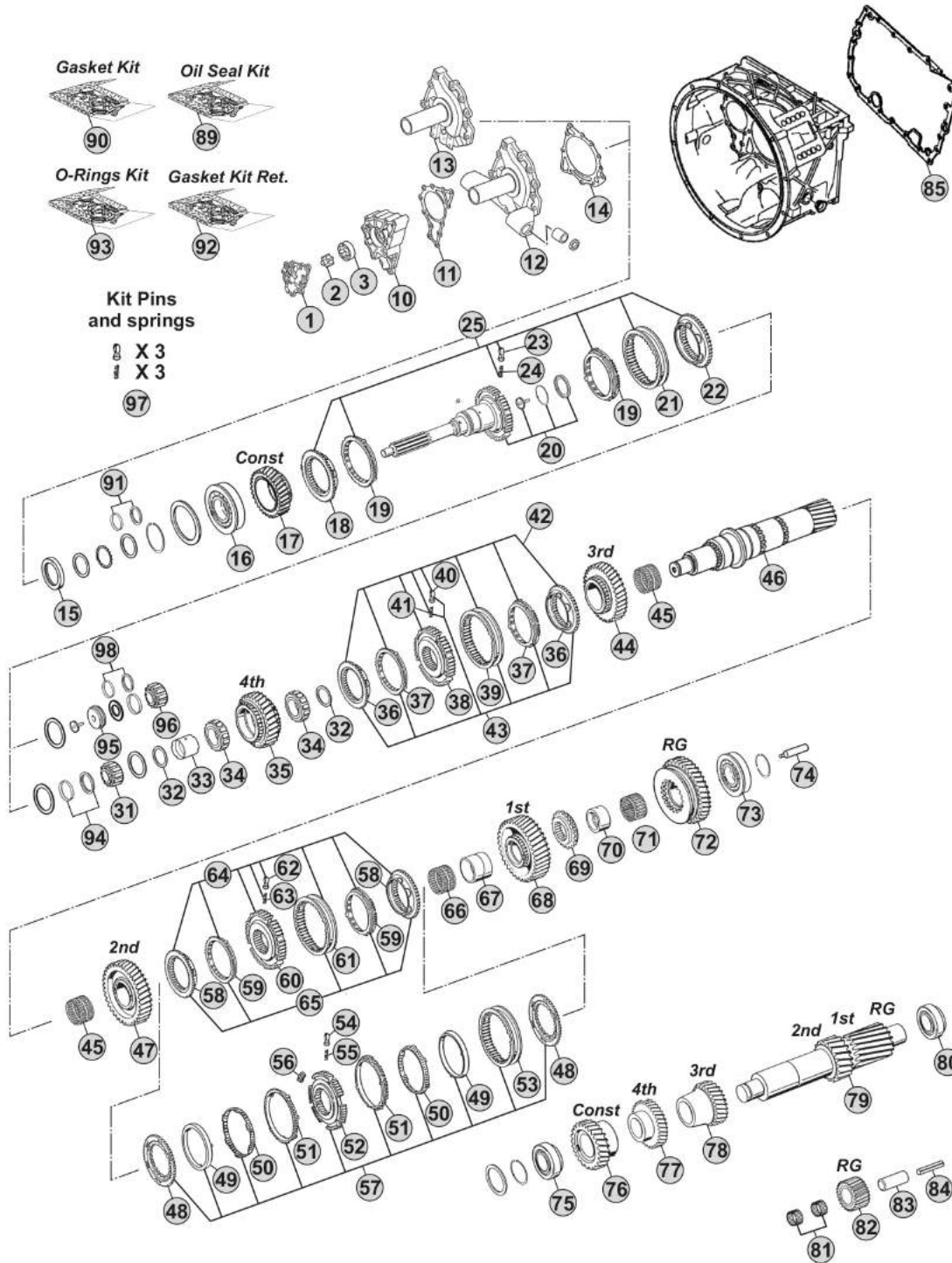
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1342 xxx xxx)



Notes

16S222 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			
85	139.854	1315 301 233	Gasket	1		●			
89	198.838	1315 298 002	Oil Seal Kit	1		●			
90	198.797	1315 298 001	Gasket Kit	1	Paper	●			
90	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●			
91	298.879	1499 298 038	Shims Kit Th.4,20mm	1		●			
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●			
91	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●			
91	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●			
91	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●			
92	298.860	6085 298 013	Gasket Kit intarder	1		●			
93	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●			
94	298.392	1499 298 027	Shims Kit Th=5,00mm	1	(10)	●			
94	298.393	1499 298 026	Shims Kit Th=4,90mm	1	(10)	●			
94	298.394	1499 298 025	Shims Kit Th=4,80mm	1	(10)	●			
94	298.395	1499 298 024	Shims Kit Th=4,70mm	1	(10)	●			
94	298.396	1499 298 023	Shims Kit Th=4,60mm	1	(10)	●			
95	137.395	0735 368 084	Needle Cage 30x81,5x34	1	(11)	●			
96	137.396	0735 455 298	Needle Cage 44x82x28	1	(11)	●			
97	198.843		Spring Slide kit	1		●			
98	298.430	1499 298 181	Shims Kit Th.4,60mm	1	(11)	●			
98	298.431	1499 298 180	Shims Kit Th.4,50mm	1	(11)	●			
98	298.432	1499 298 179	Shims Kit Th.4,40mm	1	(11)	●			
98	298.433	1499 298 178	Shims Kit Th.4,30mm	1	(11)	●			

Date

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Notes

(10) For Mainshaft 1316 304 132
(11) For Mainshaft 1316 304 118

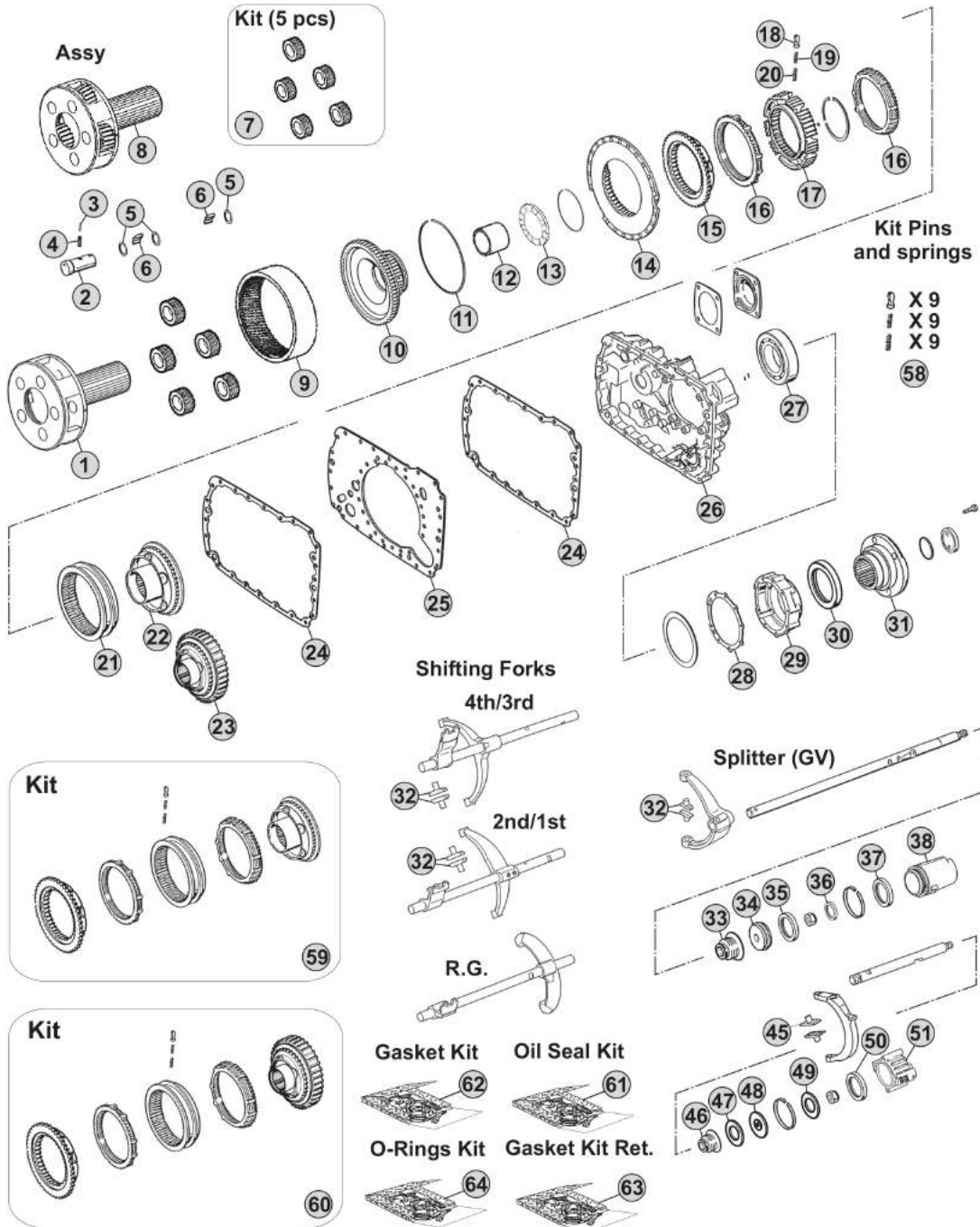
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1342 xxx xxx)

Planetary Carrier (GP)



Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Notes

16S222 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

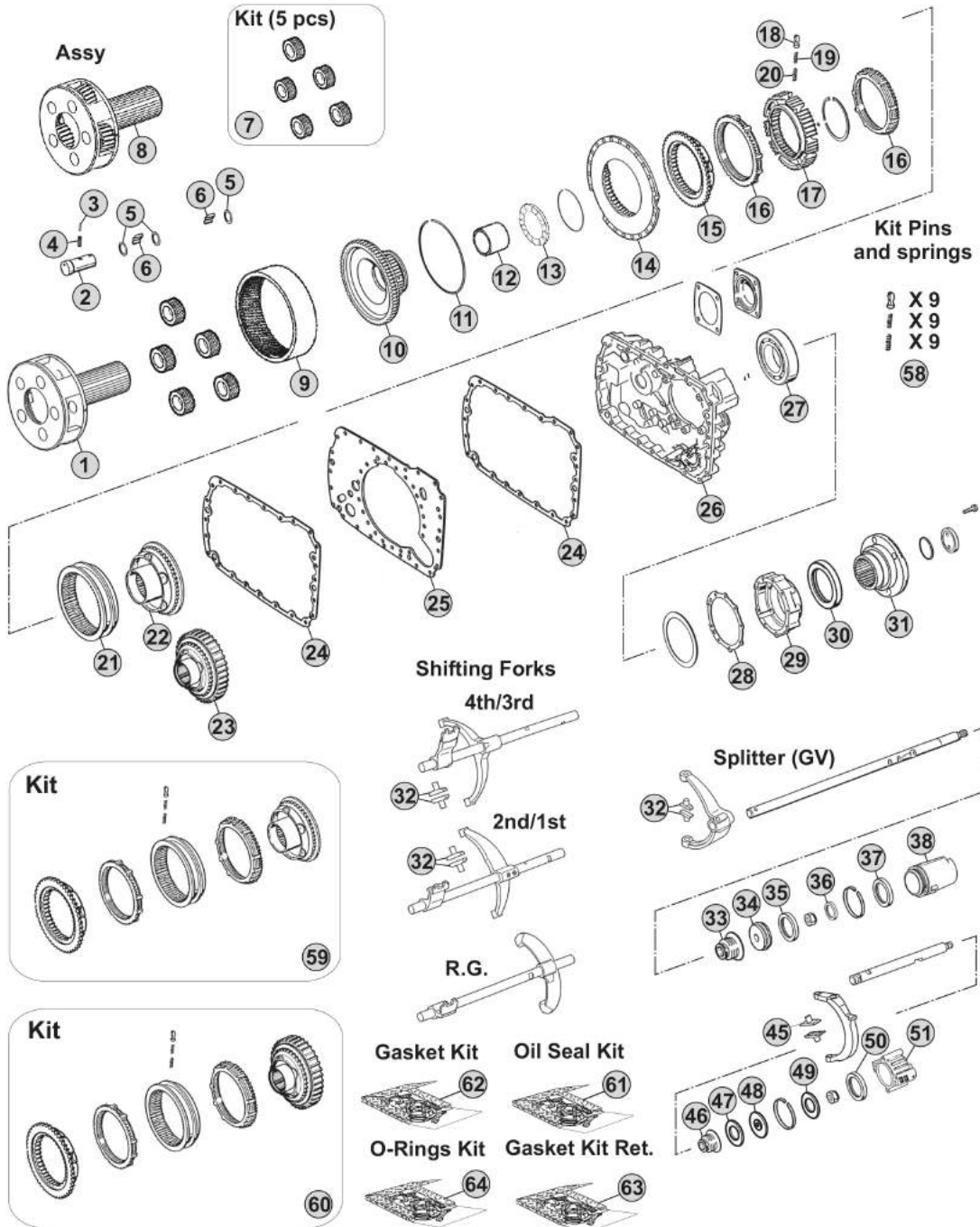
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1342 xxx xxx)

Planetary Carrier (GP)



Notes

16S222 R. 13,80-0,84

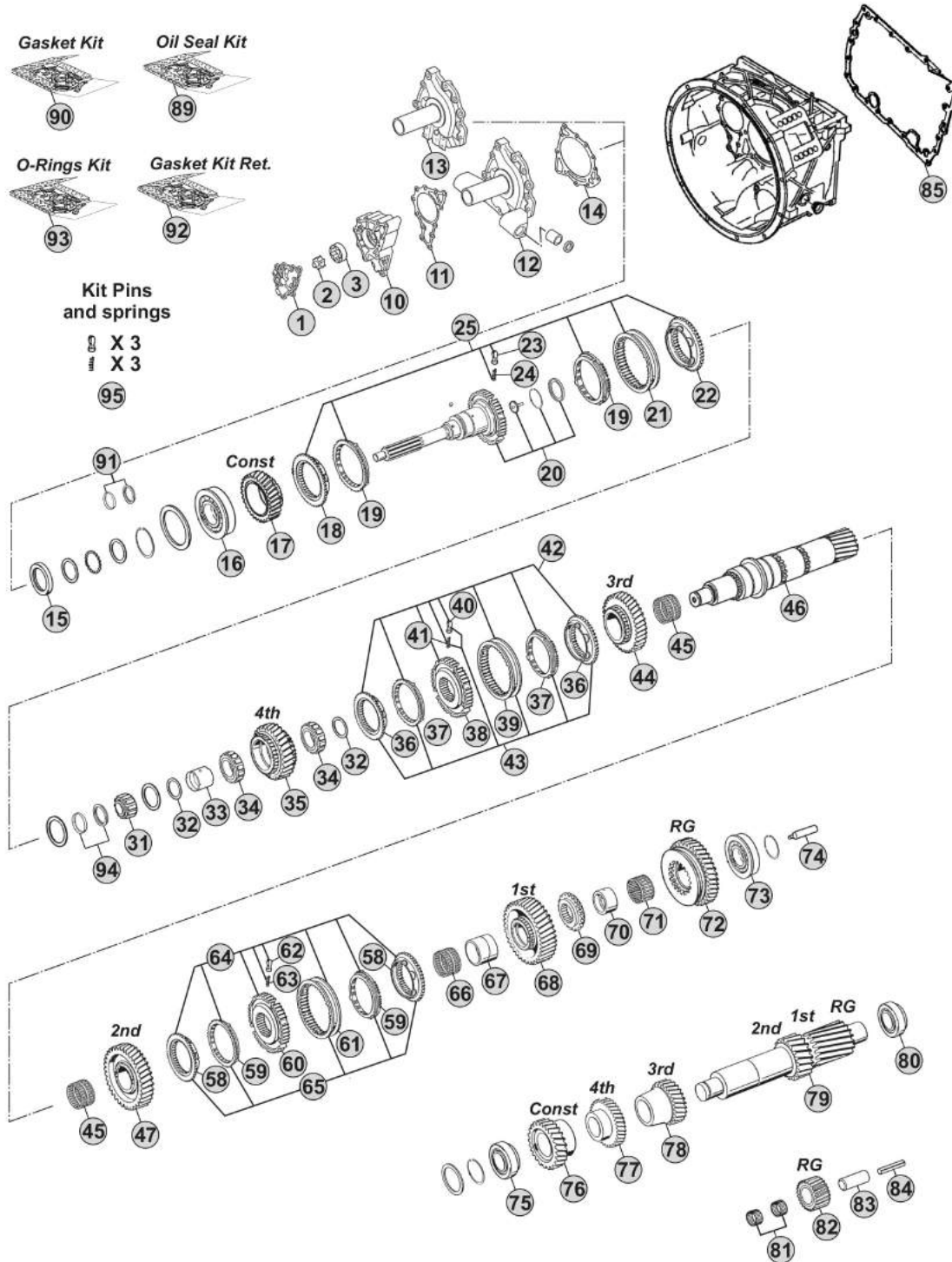
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1343 xxx xxx)



Notes

16S222 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

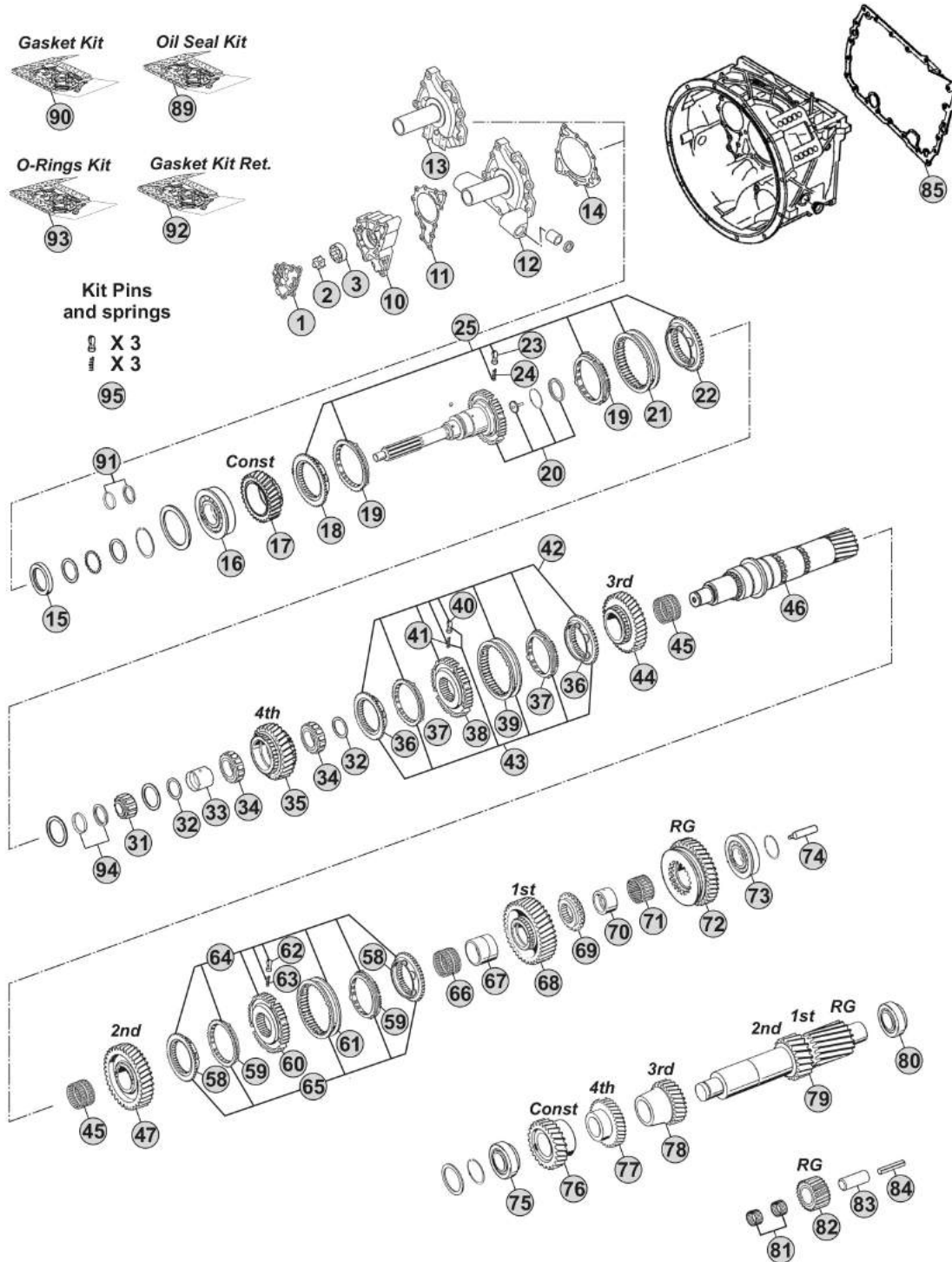
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1343 xxx xxx)



Notes

16S222 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			

Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

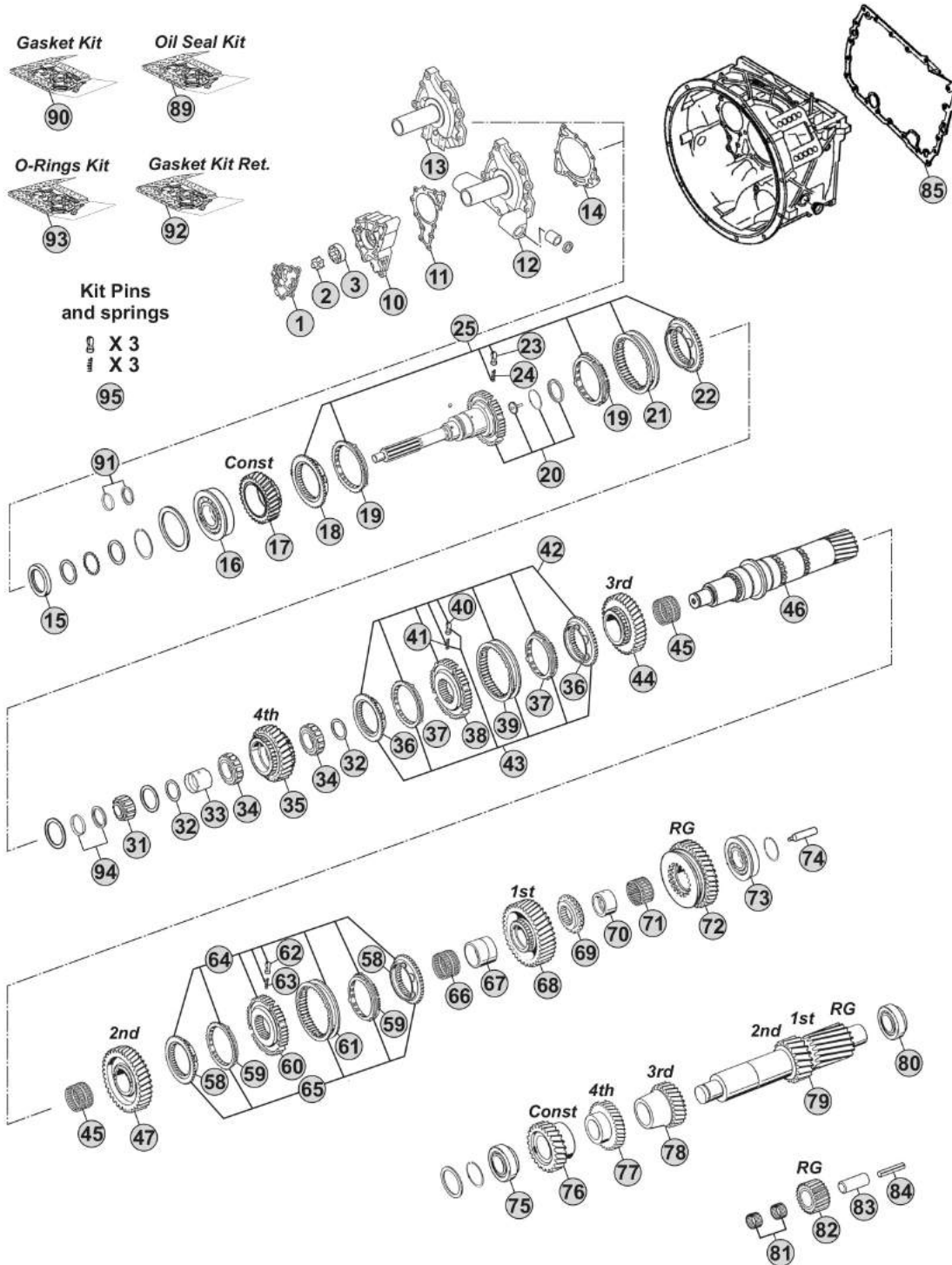
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1343 xxx xxx)



Notes

16S222 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			
85	139.854	1315 301 233	Gasket	1		●			
89	198.838	1315 298 002	Oil Seal Kit	1		●			
90	198.797	1315 298 001	Gasket Kit	1	Paper	●			
90	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●			
91	298.879	1499 298 038	Shims Kit Th.4,20mm	1		●			
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●			
91	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●			
91	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●			
91	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●			
92	298.860	6085 298 013	Gasket Kit intarder	1		●			
93	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●			
94	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●			
94	298.393	1499 298 026	Shims Kit Th=4,90mm	1		●			
94	298.394	1499 298 025	Shims Kit Th=4,80mm	1		●			
94	298.395	1499 298 024	Shims Kit Th=4,70mm	1		●			
94	298.396	1499 298 023	Shims Kit Th=4,60mm	1		●			
95	198.843		Spring Slide kit	1		●			

NEW ECOSPLIT III
16S222

Date 02/2015 Notes _____



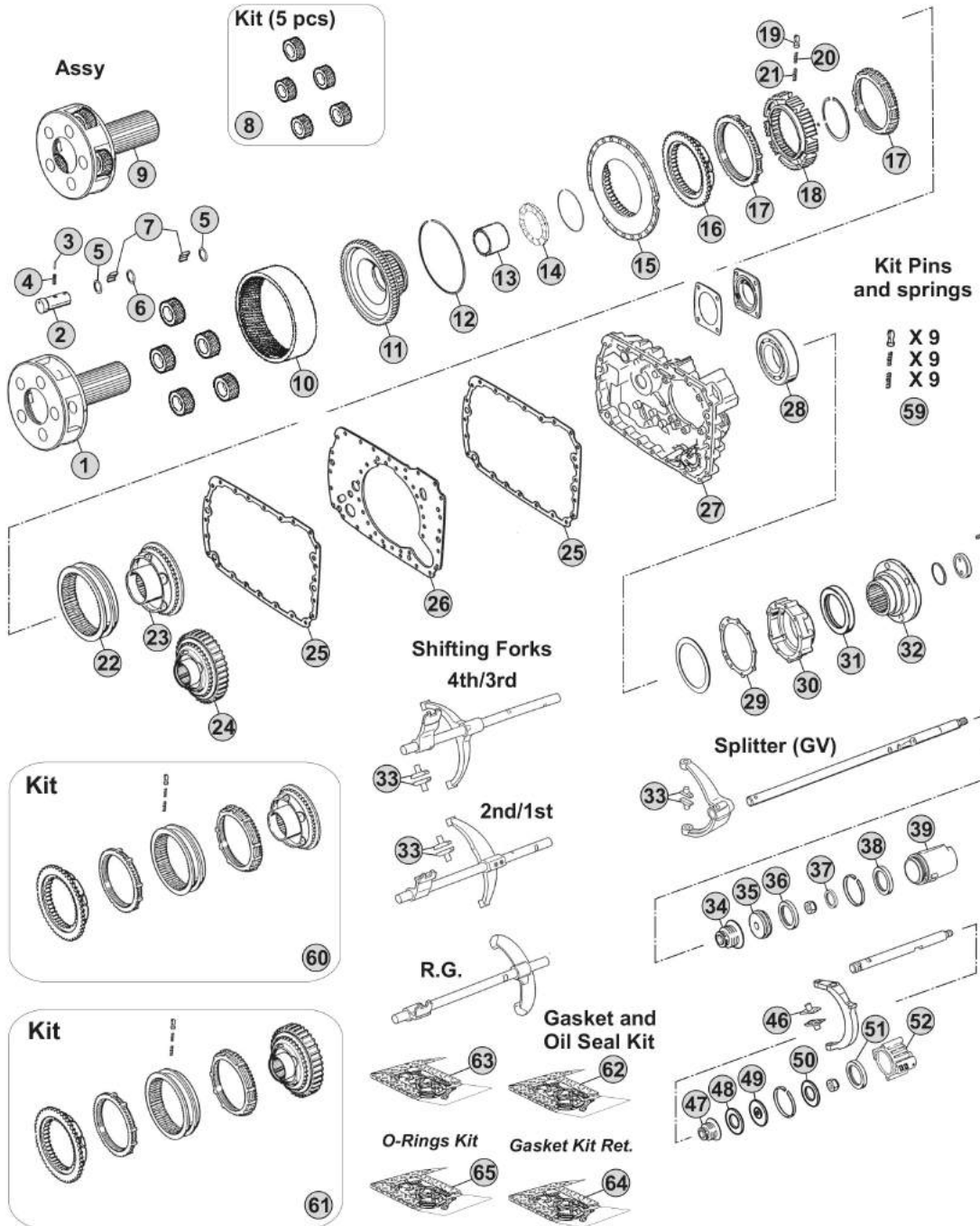
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1343 xxx xxx)

Planetary Carrier (GP)



Notes

16S222 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

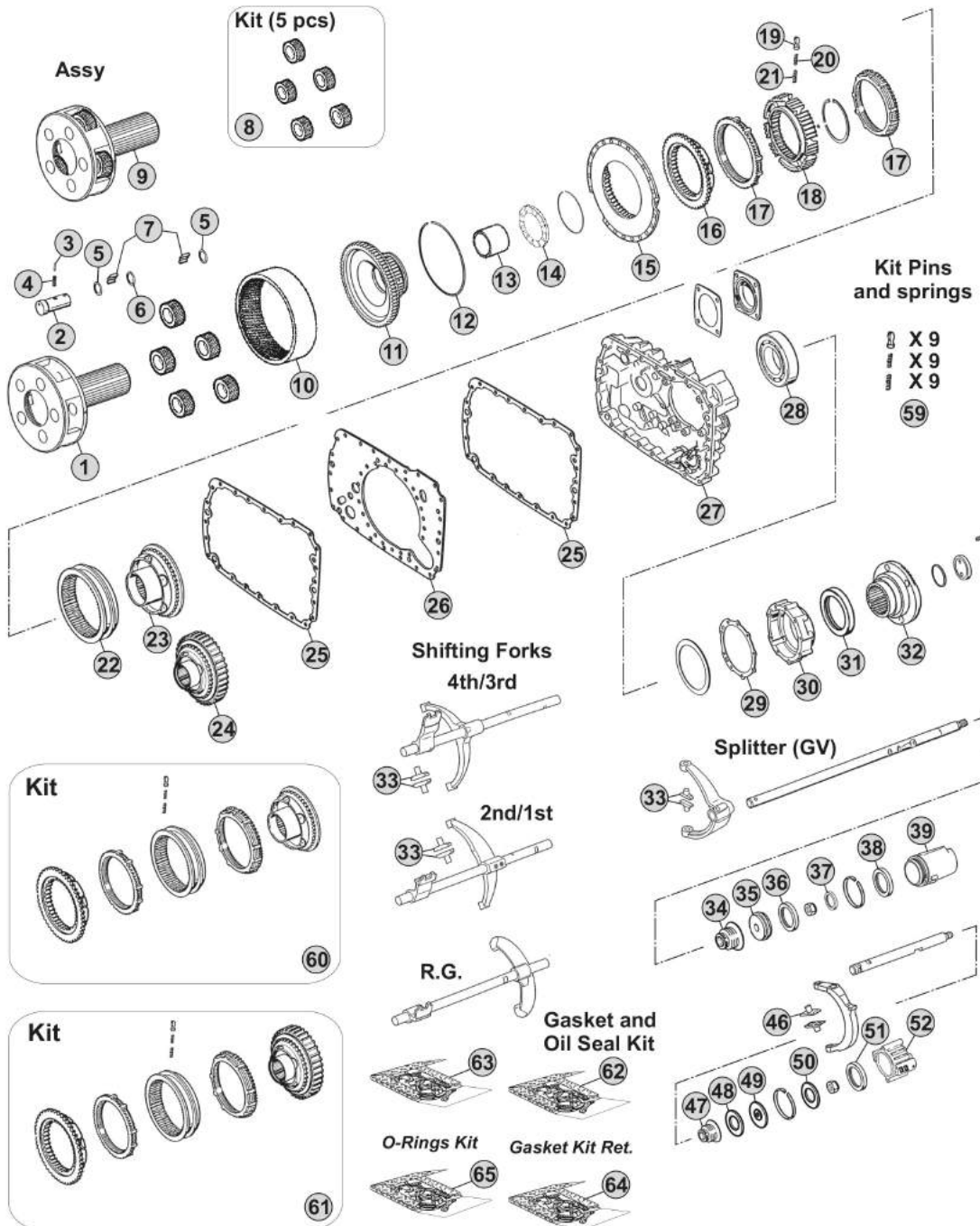
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S222 (1343 xxx xxx)

Planetary Carrier (GP)



Notes

16S222 R. 16,41-1,00

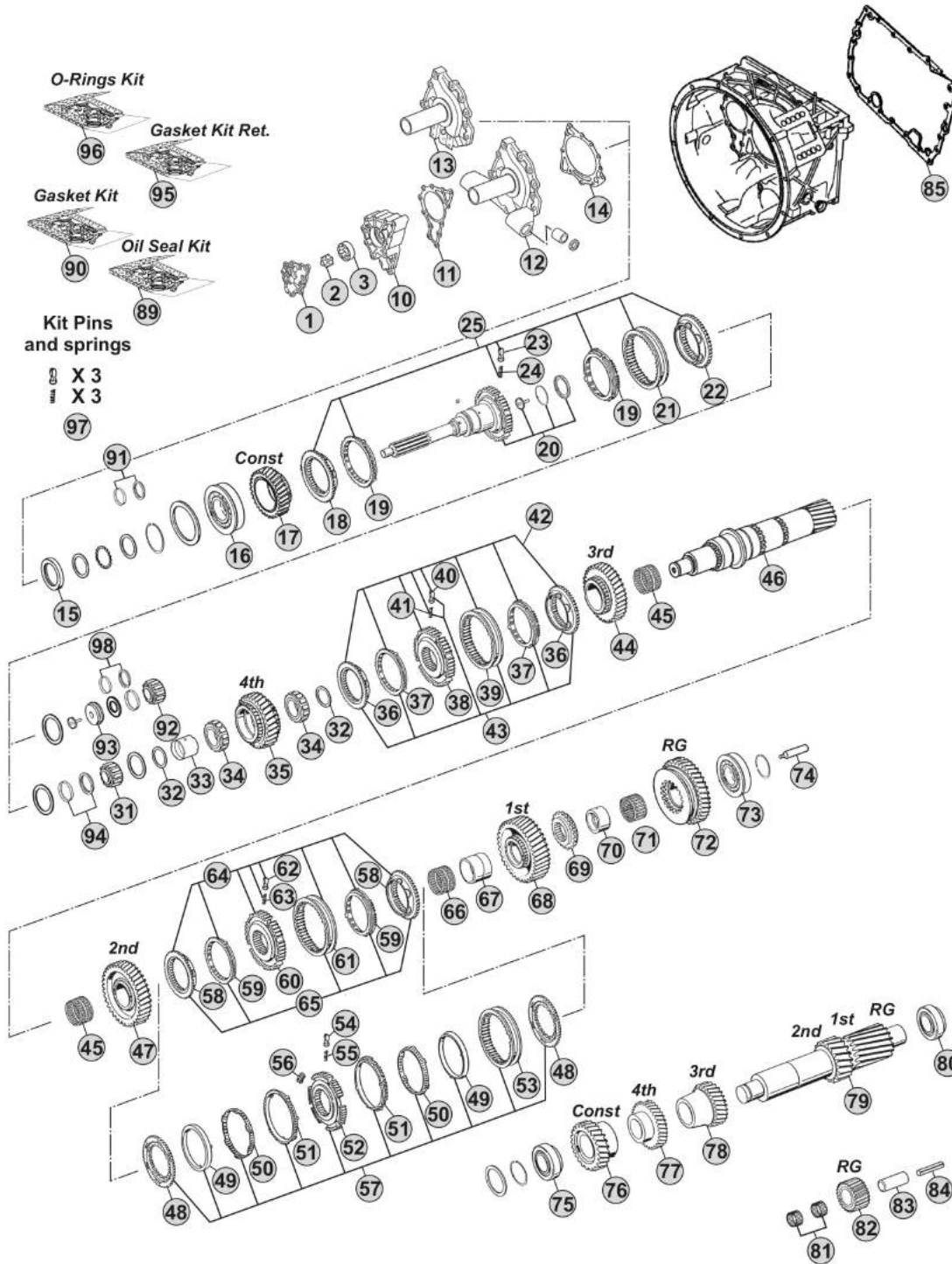
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S232 (1344 xxx xxx)



Notes

16S232 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S232			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1	(12)	●			
20	190.300	1316 202 026	Input Shaft	1	(12)	●			
20	190.417	1316 202 038	Input Shaft	1	(12)	●			
20	102.666	1316 202 040	Input Shaft	1	(13)	●			
20	102.569	1316 202 044	Input Shaft	1	(13)	●			
20	102.570	1316 202 046	Input Shaft	1	(13)	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(12)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(12) Only for 1316 304 132

(13) Only for 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

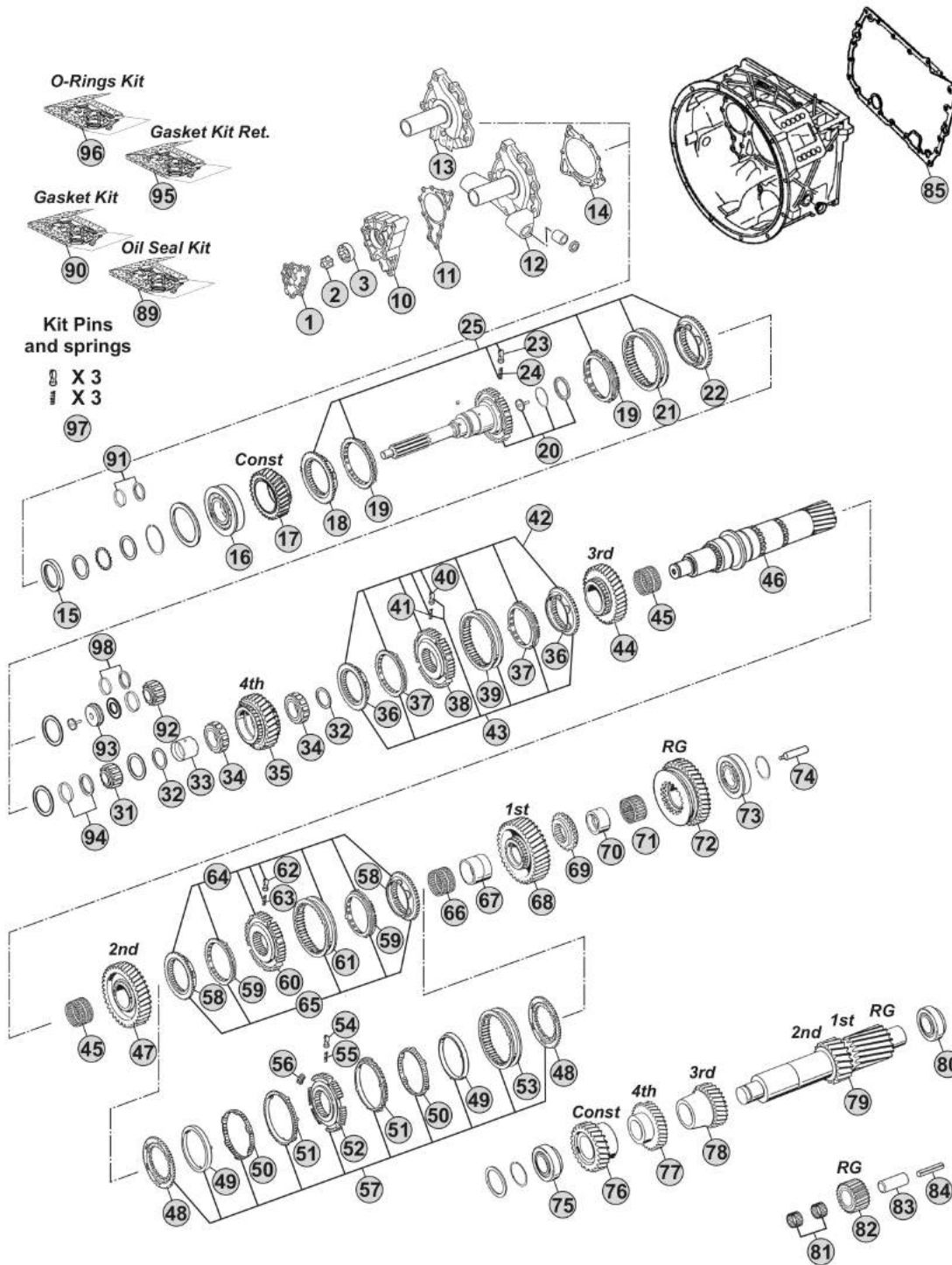
(22) Only for 3rd/4th Speed - Latest type - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S232 (1344 xxx xxx)



Notes

16S232 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S232				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●				
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				

Date

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Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (22) Only for 3rd/4th Speed - Latest type - Do not mix
 (30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

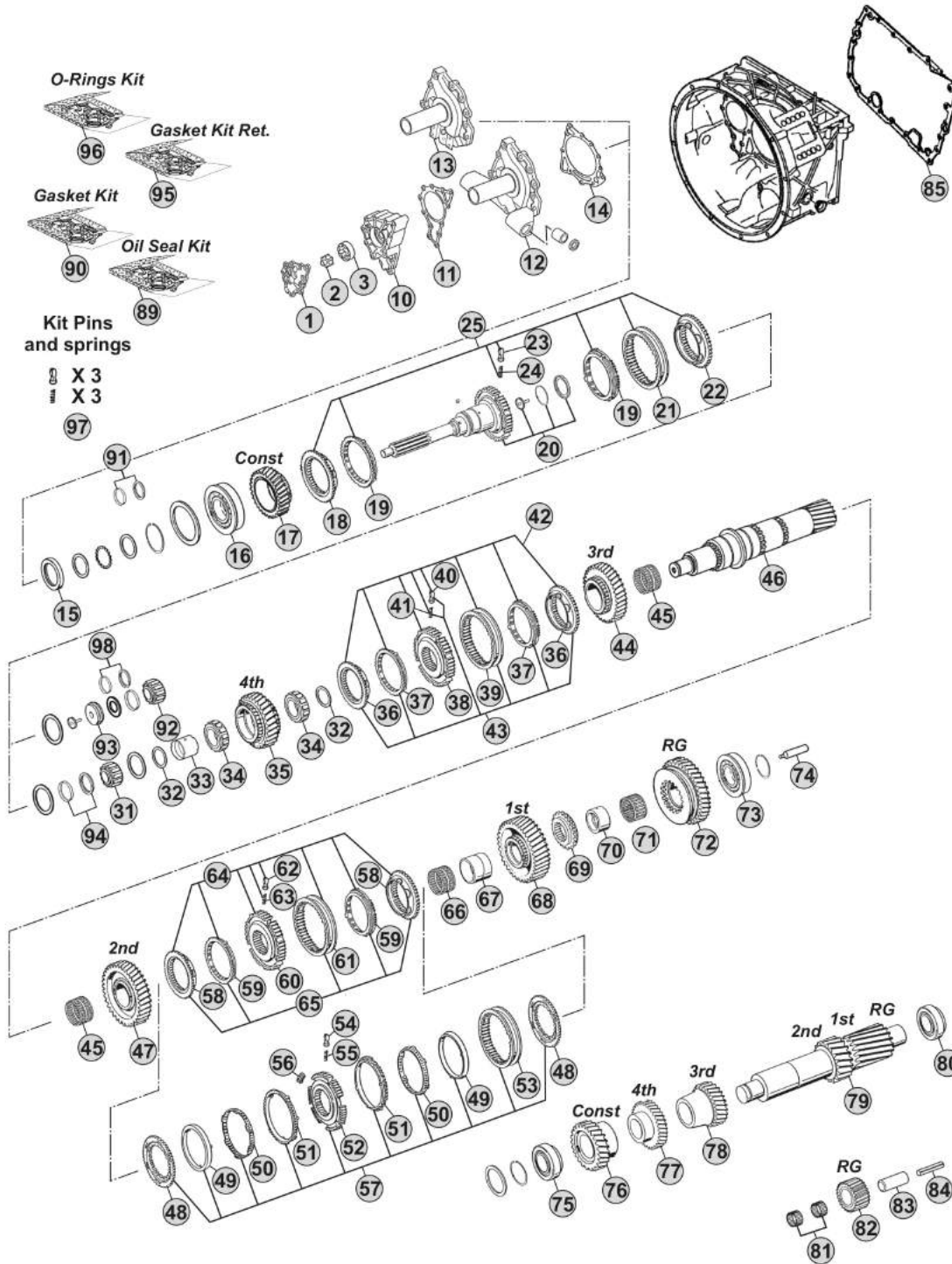
(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S232 (1344 xxx xxx)



Notes

16S232 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S232			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			
85	139.854	1315 301 233	Gasket	1		●			
89	198.838	1315 298 002	Oil Seal Kit	1		●			
90	198.797	1315 298 001	Gasket Kit	1	Paper	●			
90	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●			
91	298.879	1499 298 038	Shims Kit Th.4,20mm	1		●			
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●			
91	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●			
91	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●			
91	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●			
92	137.396	0735 455 298	Needle Cage 44x82x28	1	(13)	●			
93	137.395	0735 368 084	Needle Cage 30x81,5x34	1	(13)	●			
94	298.392	1499 298 027	Shims Kit Th=5,00mm	1	(12)	●			
94	298.393	1499 298 026	Shims Kit Th=4,90mm	1	(12)	●			
94	298.394	1499 298 025	Shims Kit Th=4,80mm	1	(12)	●			
94	298.395	1499 298 024	Shims Kit Th=4,70mm	1	(12)	●			
94	298.396	1499 298 023	Shims Kit Th=4,60mm	1	(12)	●			
95	298.860	6085 298 013	Gasket Kit intarder	1		●			
96	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●			
97	198.843		Spring Slide kit	1		●			
98	298.430	1499 298 181	Shims Kit Th.4,60mm	1	(13)	●			
98	298.431	1499 298 180	Shims Kit Th.4,50mm	1	(13)	●			
98	298.432	1499 298 179	Shims Kit Th.4,40mm	1	(13)	●			
98	298.433	1499 298 178	Shims Kit Th.4,30mm	1	(13)	●			

 NEW ECOSPLIT III
16S232

Date

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Notes

(13) Only for 1316 304 118

(12) Only for 1316 304 132

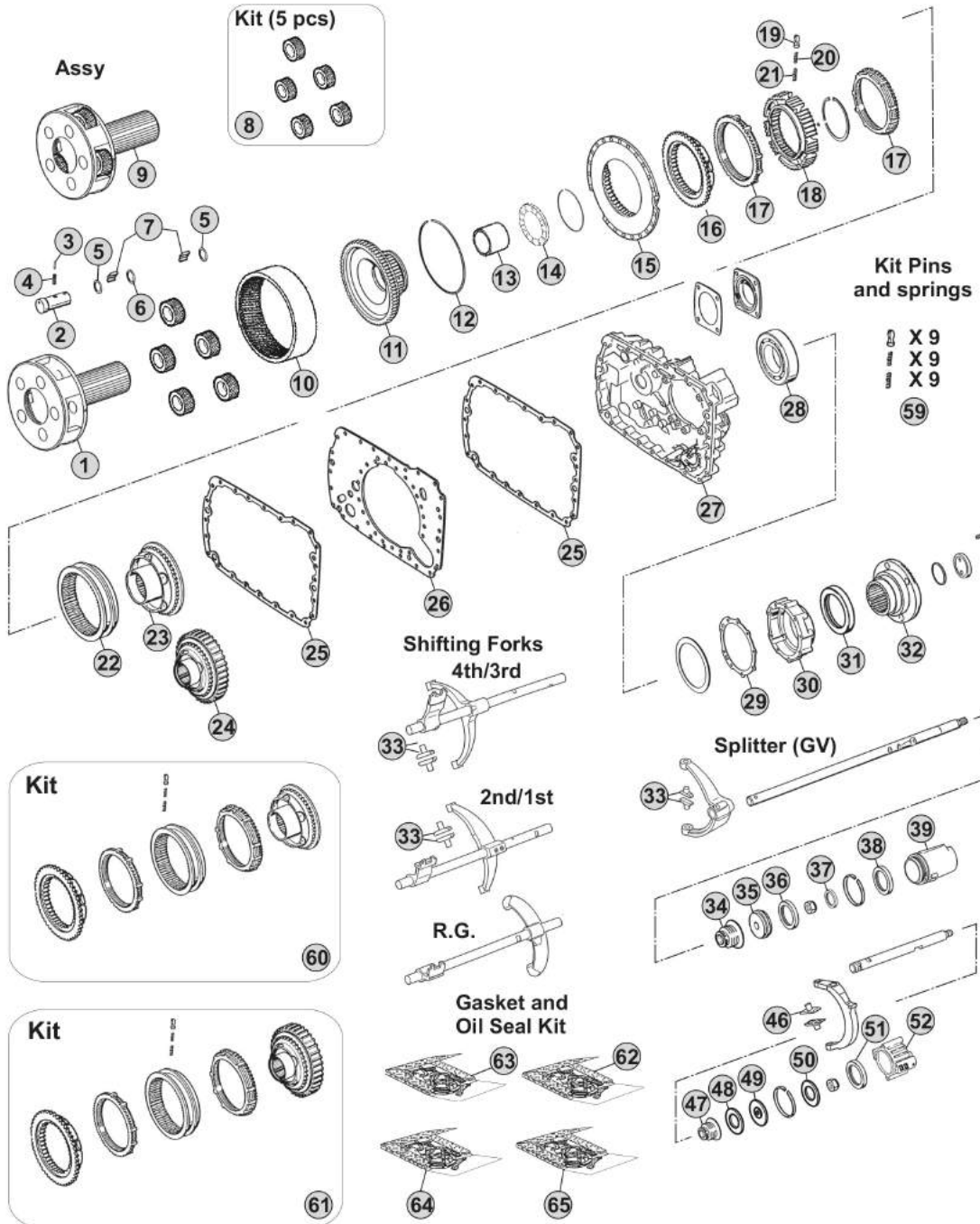
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S232 (1344 xxx xxx)

Planetary Carrier (GP)



Notes

16S232 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S232			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

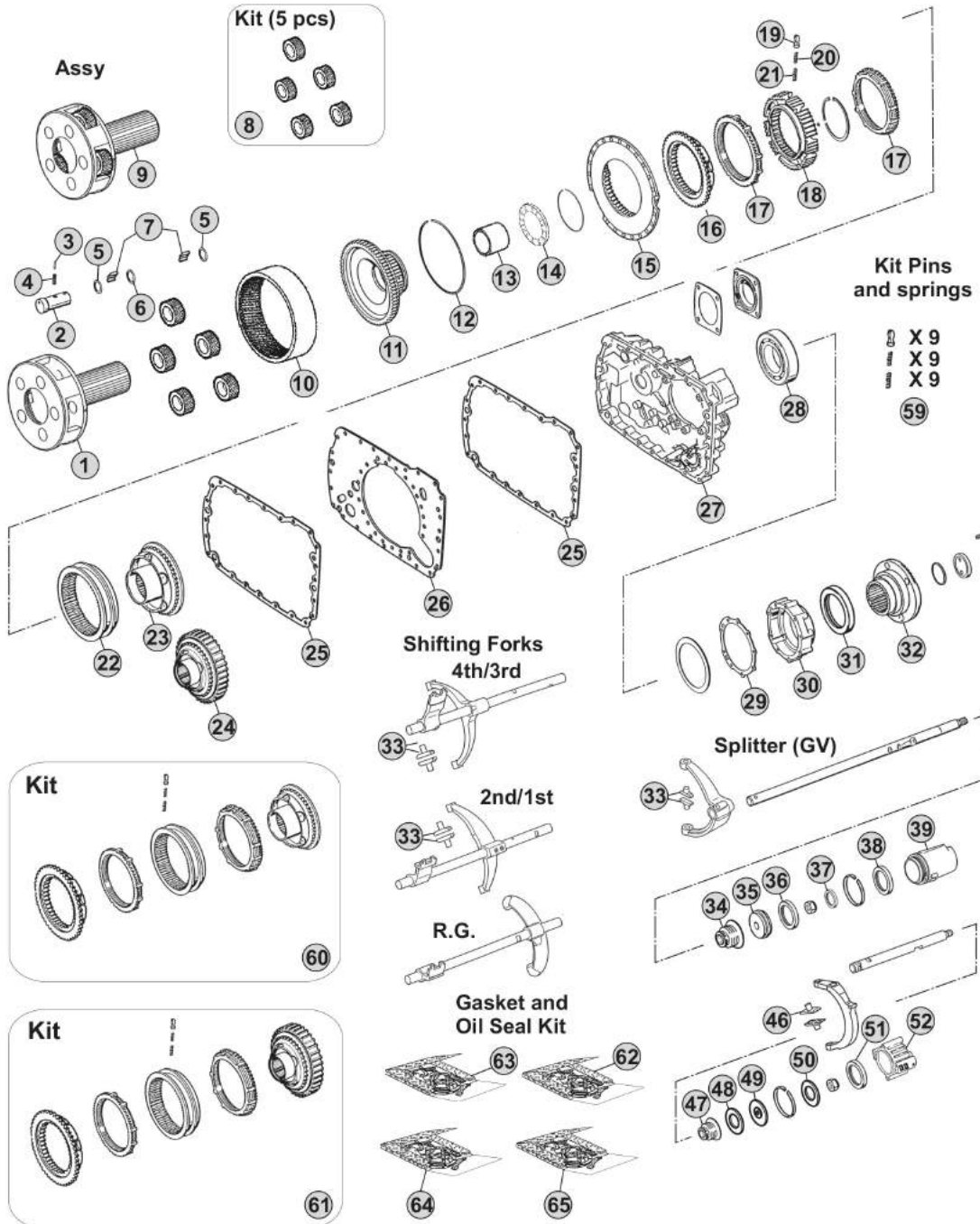
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S232 (1344 xxx xxx)

Planetary Carrier (GP)



Notes

16S232 R. 16,41-1,00

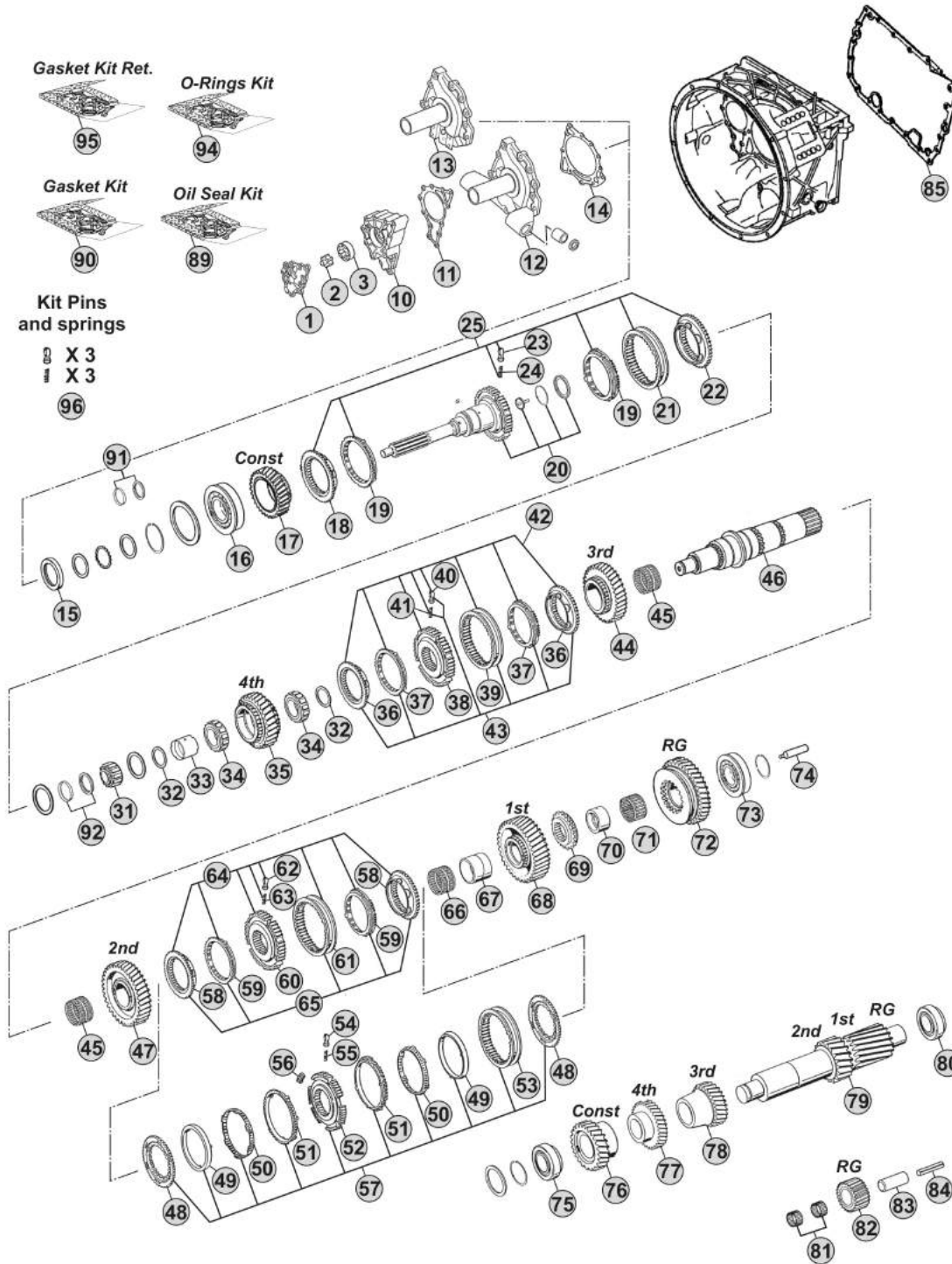
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Straight Teeth)



Notes

16S252 R. 13,86-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
12	135.251	1315 202 055	Front Cover	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.554	1316 302 067	Constant Gear 35 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.303	1316 202 025	Input Shaft	1		●				
20	190.417	1316 202 038	Input Shaft	1		●				
20	190.300	1316 202 026	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

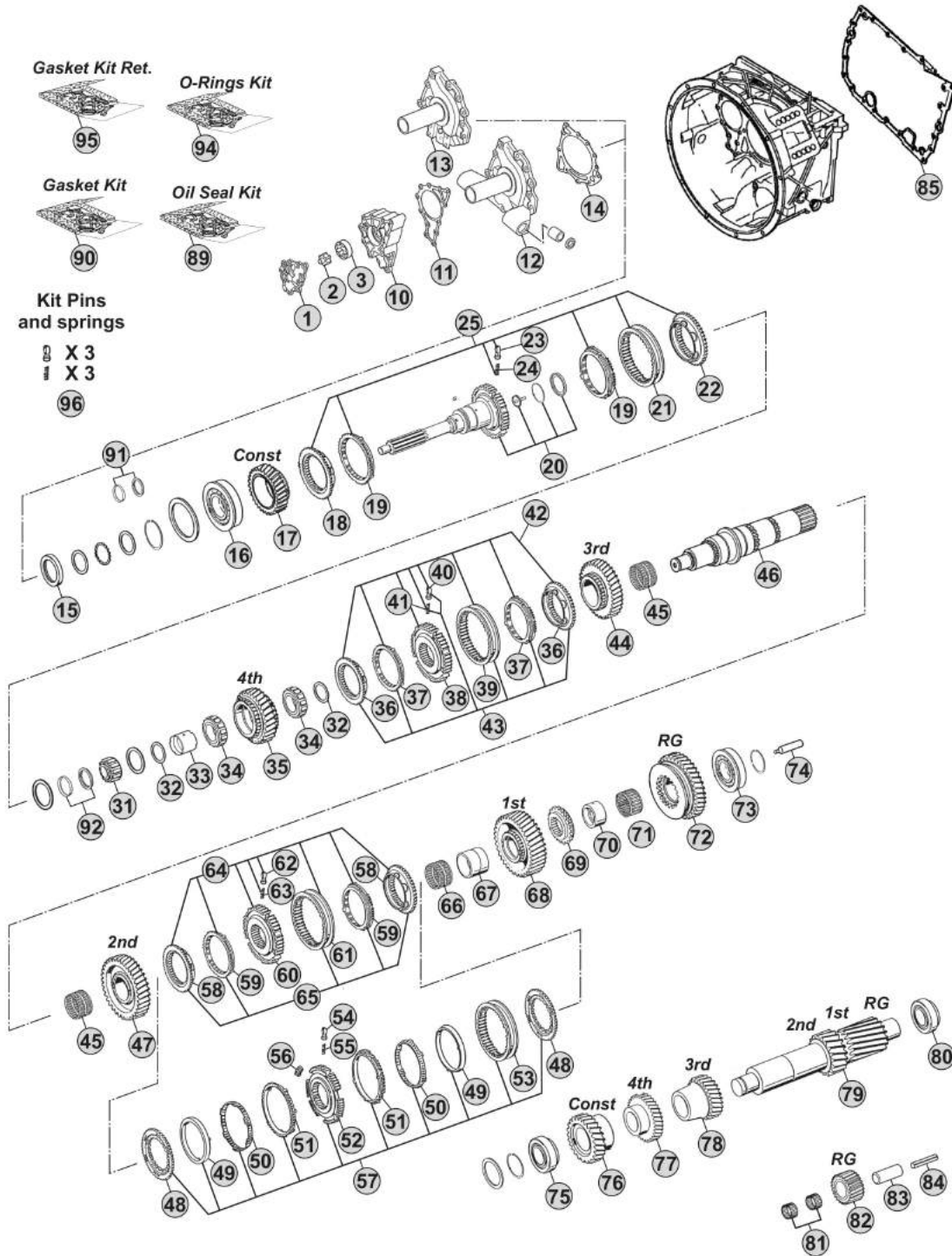
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Straight Teeth)



Notes

16S252 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.128	1316 304 130	Main Shaft 24 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				

Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (22) Only for 3rd/4th Speed - Latest type - Do not mix
 (30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

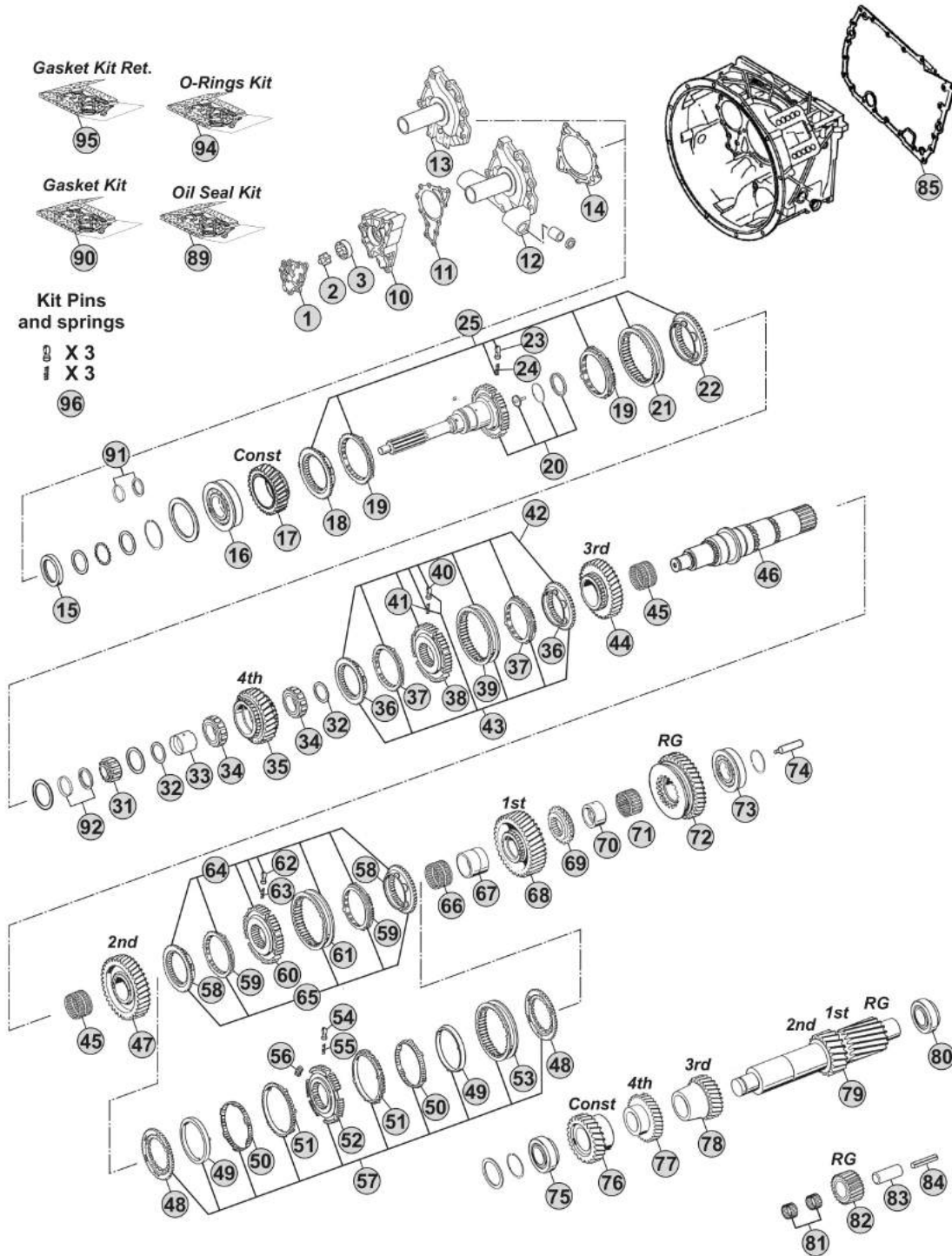
(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Straight Teeth)



Notes

16S252 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			
85	139.854	1315 301 233	Gasket	1		●			
89	198.838	1315 298 002	Oil Seal Kit	1		●			
90	198.797	1315 298 001	Gasket Kit	1	Paper	●			
90	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●			
91	298.879	1499 298 038	Shims Kit Th.4,20mm	1		●			
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●			
91	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●			
91	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●			
91	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●			
92	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●			
92	298.393	1499 298 026	Shims Kit Th=4,90mm	1		●			
92	298.394	1499 298 025	Shims Kit Th=4,80mm	1		●			
92	298.395	1499 298 024	Shims Kit Th=4,70mm	1		●			
92	298.396	1499 298 023	Shims Kit Th=4,60mm	1		●			
94	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●			
95	298.860	6085 298 013	Gasket Kit intarder	1		●			
96	198.843		Spring Slide kit	1		●			

NEW ECOSPLIT III
16S252

Date 02/2015 Notes _____



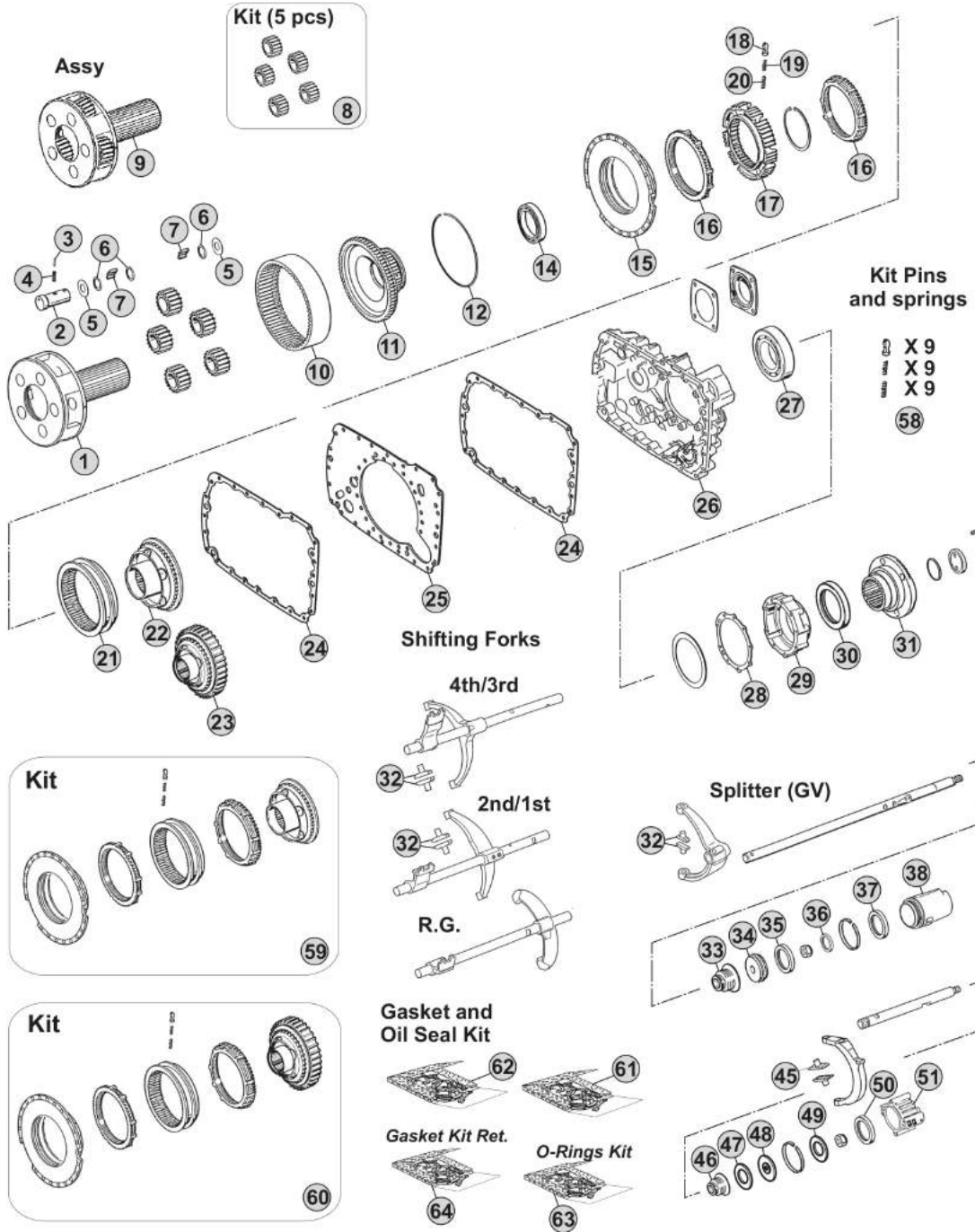
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Straight Teeth)

Planetary Carrier (GP)



Notes

16S252 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252				
1	190.392	1316 232 006	Planetary Carrier	1		●				
2	107.165	1312 332 026	Planetary Pin	5		●				
3	160.195	0631 329 167	Lock Pin 3x26	5		●				
4	160.194	0631 329 051	Lock Pin 5x26	5		●				
5	169.759	0501 308 981	Thrust Washer	10		●				
6	169.744	0730 107 168	Spacer Ring	15		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	198.801	1312 232 014	Planetary Gear Set (5 pcs)	1		●				
9	298.887		Planetary Carrier	1		●				
10	123.208	1295 332 086	Crown Gear 86 T	1		●				
11	150.134	1297 332 120	Carrier Hub 86 T	1	(60)	●				
11	150.243	1316 332 129	Carrier hub 86 T	1	(61)	●				
12	111.198	0730 505 056	Locking Wire	1		●				
14	130.311	0635 338 035	Bearing 100x125x13	1		●				
15	298.017	1315 233 006	Synchronizer cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.183	1297 333 115	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	198.790	1297 233 056	Synchronizer Cone (41 spl.)	1	(60)	●				
22	109.206	1316 233 030	Synchronizer Cone (41 Spl.)	1	(61)	●				
23	196.352	1316 233 010	Synchronizer Cone 59 T(41 Spl.)	1	(60)	●				
23	109.207	1316 233 027	Synchronizer Cone 59 T(41 Spl.)	1	(61)	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1	W/out Retarder	●				
29	175.421	1315 231 004	Cover	1	W/out Retarder	●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	6	Old Type	●				
32	141.168	1316 306 015	Sliding pad	6	New Type	●				
33	139.655	0750 112 253	Cap Collar D.25x40x15	1		●				
34	189.718	1315 312 020	Piston	1		●				
35	139.656	0750 112 177	Ring	1		●				
36	139.657	0634 313 320	O-ring	1		●				

Date

02/2015

Notes

(60) Only for old version

(61) Only for new version

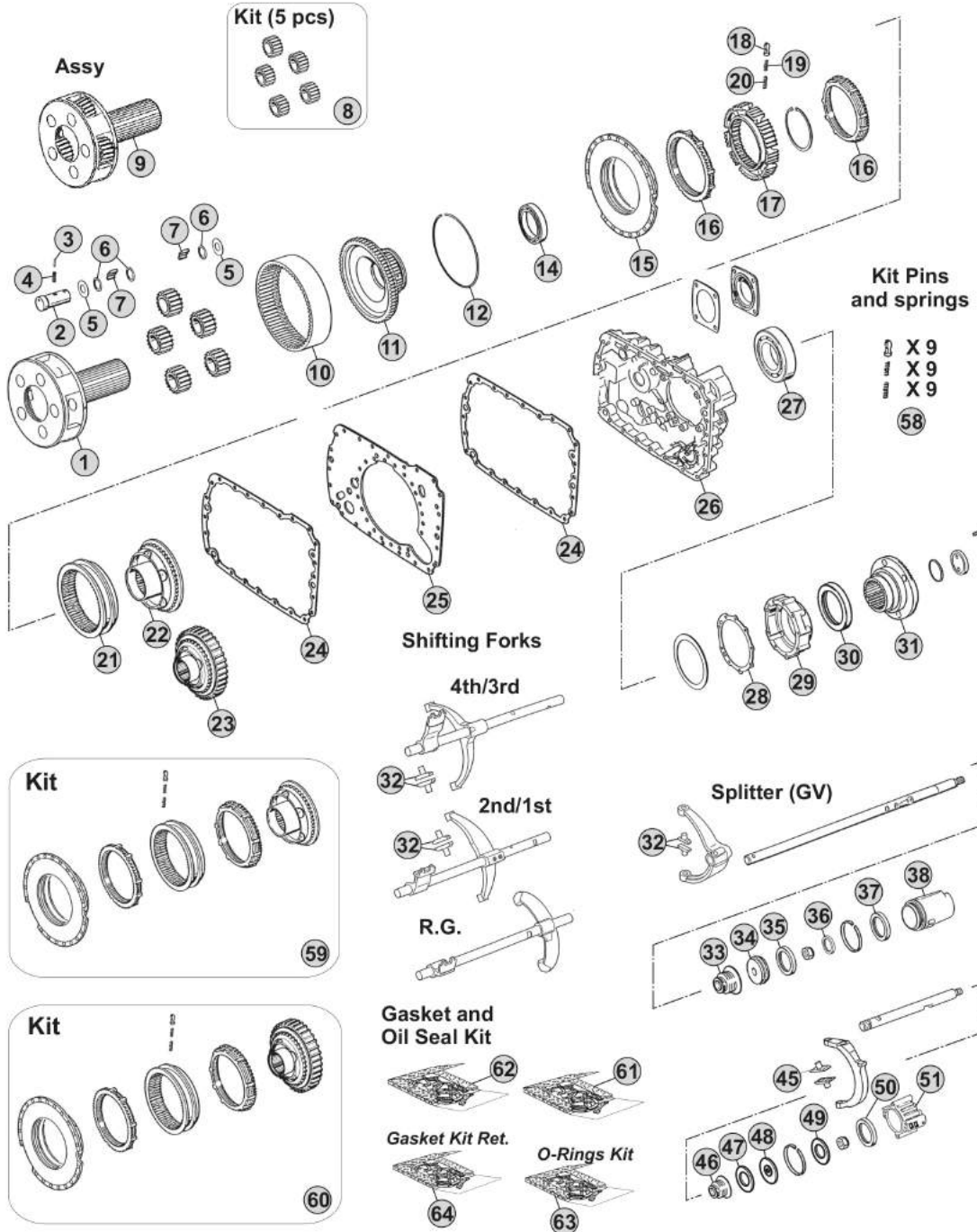
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Straight Teeth)

Planetary Carrier (GP)



Notes

16S252 R. 13,86-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Helical Teeth)

Gasket Kit Ret.



93

O-Rings Kit



92

Gasket Kit



90

Oil Seal Kit

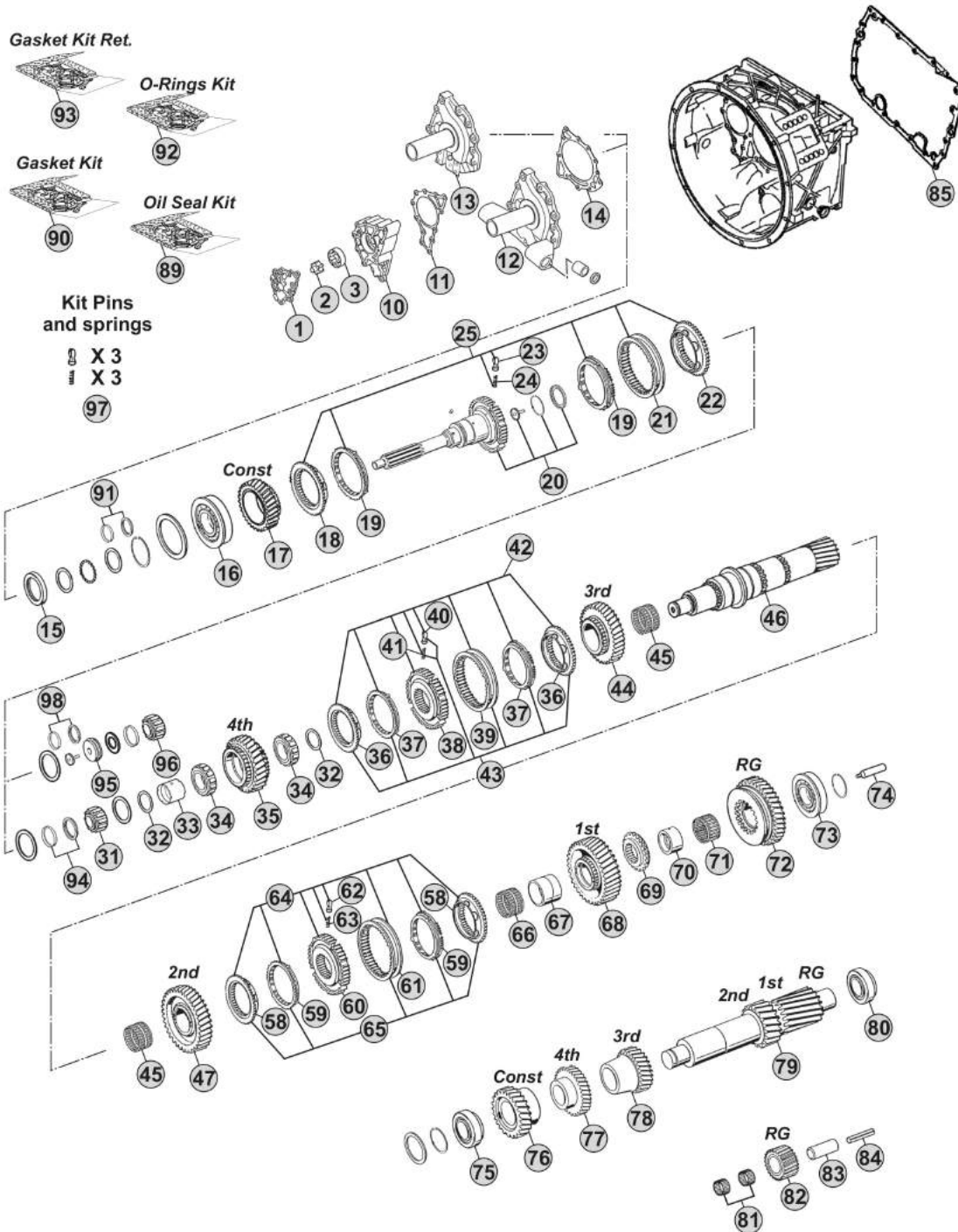


89

Kit Pins
and springs

- ⊘ X 3
- ⊘ X 3

97



Notes

16S252 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1	(10)	●			
20	190.300	1316 202 026	Input Shaft	1	(10)	●			
20	190.417	1316 202 038	Input Shaft	1	(10)	●			
20	102.666	1316 202 040	Input Shaft	1	(11)	●			
20	102.570	1316 202 046	Input Shaft	1	(11)	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(10)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(10) For Mainshaft 1316 304 132

(11) For Mainshaft 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Helical Teeth)

Gasket Kit Ret.



O-Rings Kit



Gasket Kit

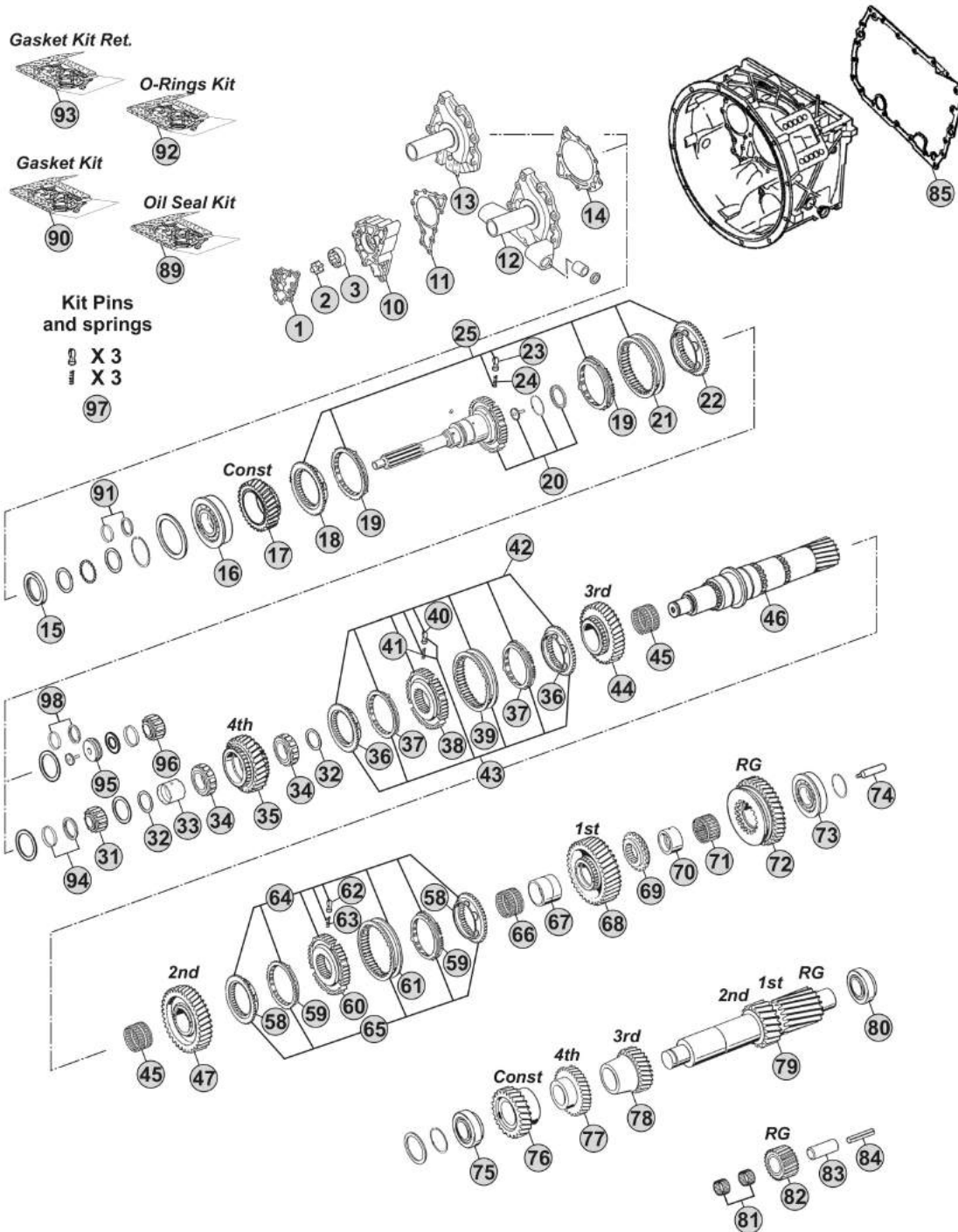


Oil Seal Kit



Kit Pins and springs

- ⊕ X 3
- ⊖ X 3



Notes

16S252 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●			
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Helical Teeth)

Gasket Kit Ret.



O-Rings Kit



Gasket Kit

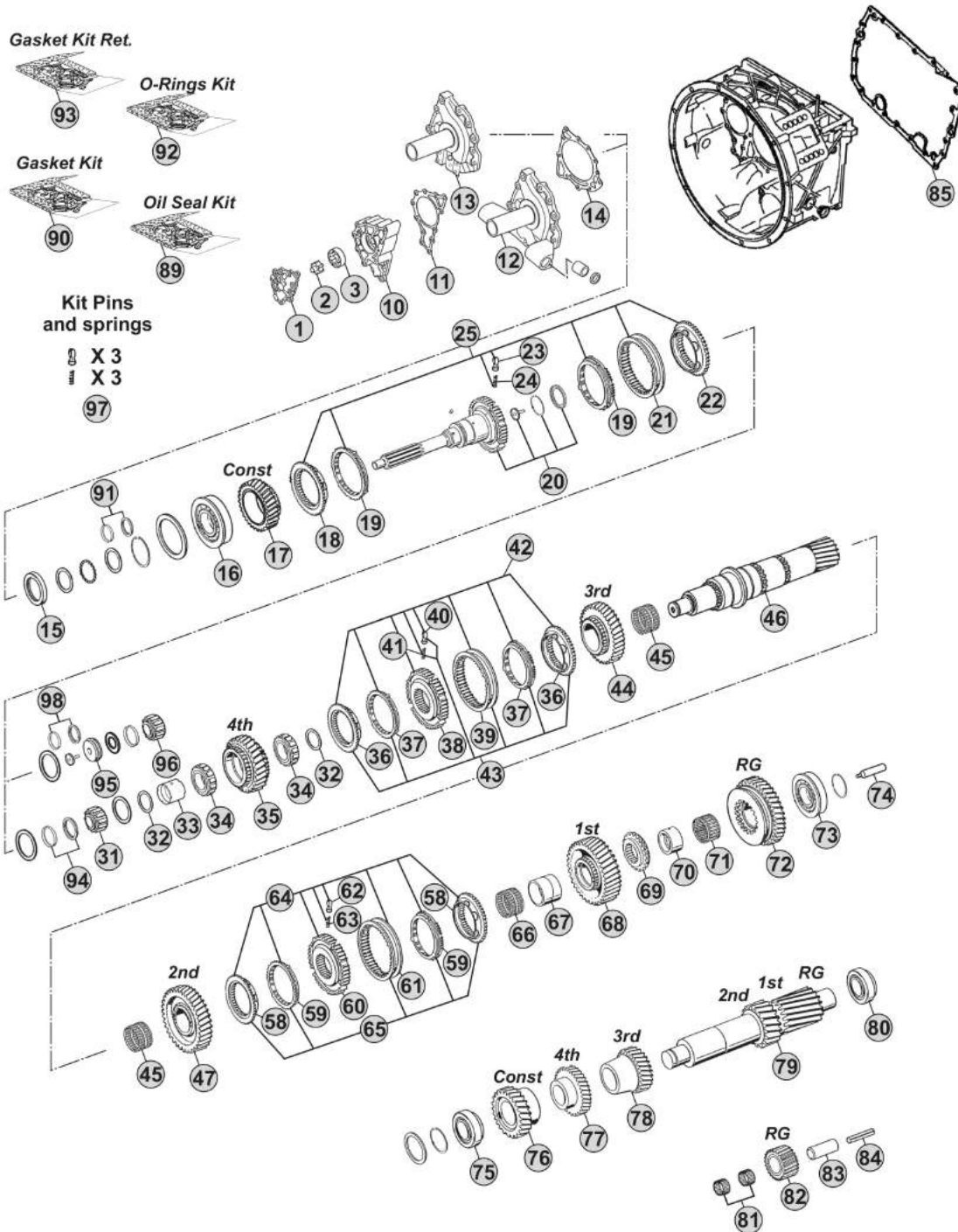


Oil Seal Kit



Kit Pins and springs

- ⊕ X 3
- ⊖ X 3
- 97



Notes

16S252 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.127	1316 305 001	Reverse Gear 22 T	1		●				
83	190.301	1316 201 029	Reverse Shaft	1		●				
84	160.301	0631 329 296	Pin	1		●				
85	139.854	1315 301 233	Gasket	1		●				
89	198.838	1315 298 002	Oil Seal Kit	1		●				
90	198.797	1315 298 001	Gasket Kit	1	Paper	●				
90	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
91	298.879	1499 298 038	Shims Kit Th.4,20mm	1		●				
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●				
91	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●				
91	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●				
91	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●				
92	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
93	298.860	6085 298 013	Gasket Kit intarder	1		●				
94	298.392	1499 298 027	Shims Kit Th=5,00mm	1	(10)	●				
94	298.393	1499 298 026	Shims Kit Th=4,90mm	1	(10)	●				
94	298.394	1499 298 025	Shims Kit Th=4,80mm	1	(10)	●				
94	298.395	1499 298 024	Shims Kit Th=4,70mm	1	(10)	●				
94	298.396	1499 298 023	Shims Kit Th=4,60mm	1	(10)	●				
95	137.395	0735 368 084	Needle Cage 30x81,5x34	1	(11)	●				
96	137.396	0735 455 298	Needle Cage 44x82x28	1	(11)	●				
97	198.843		Spring Slide kit	1		●				
98	298.430	1499 298 181	Shims Kit Th.4,60mm	1	(11)	●				
98	298.431	1499 298 180	Shims Kit Th.4,50mm	1	(11)	●				
98	298.432	1499 298 179	Shims Kit Th.4,40mm	1	(11)	●				
98	298.433	1499 298 178	Shims Kit Th.4,30mm	1	(11)	●				

NEW ECOSPLIT III
16S252

Date
02/2015

Notes
(10) For Mainshaft 1316 304 132
(11) For Mainshaft 1316 304 118

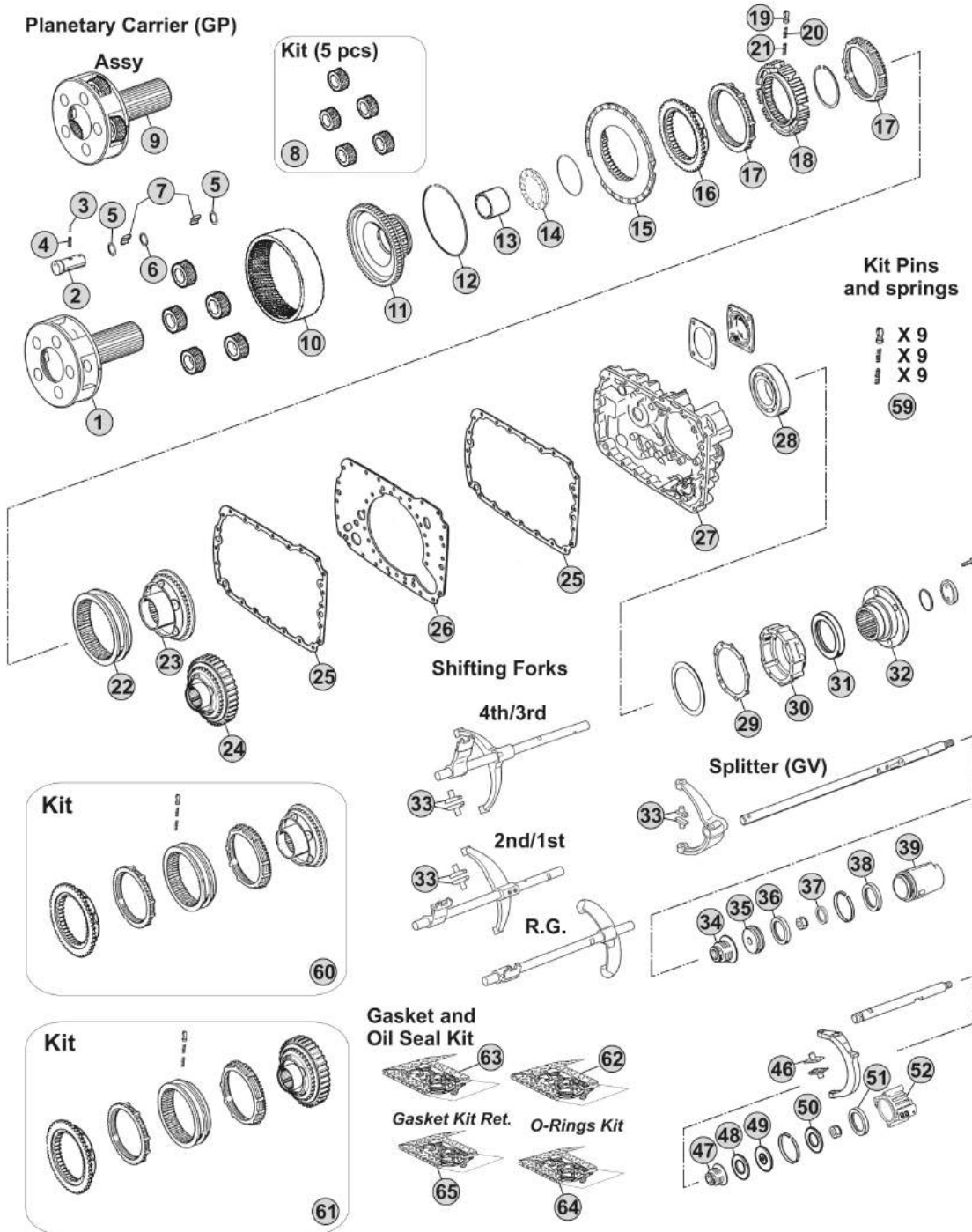


MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Helical Teeth)



Notes

16S252 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S252				
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●				
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●				
2	107.204	1316 332 096	Planet Shaft	5	(70)	●				
2	107.256	1316 332 140	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	269.009	0730 109 323	Spacer Ring	10		●				
6	269.010	0730 109 309	Spacer Ring	5		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	298.024	1316 232 011	Planetary Gear Set	1		●				
9	298.861		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Crown Gear 82 T	1		●				
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
12	111.426	0730 513 583	Locking Wire	1		●				
13	119.256	1316 333 014	Intermediate Ring	1		●				
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
15	135.122	1296 333 046	Saddle Plate	1		●				
16	109.174	1296 333 050	Synchronizer Cone	1		●				
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
18	157.182	1313 333 001	Synchronizer Hub	1		●				
19	160.116	1240 304 278	Pressure Piece	9		●				
20	156.036	0732 040 386	Inner Spring De.3x34	9		●				
21	156.037	0732 040 385	Outer Spring De.6x34	9		●				
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
26	135.148	1315 301 118	Saddle plate	1		●				
27	175.242	1315 301 223	Housing	1	W/out Retarder	●				
27	175.422	6085 201 079	Housing	1	With Retarder	●				
28	130.245	0750 116 394	Bearing 90x160x30	1		●				
29	139.644	1315 331 001	Gasket	1		●				
30	175.421	1315 231 004	Cover	1		●				
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
32	197.254	1297 333 110	Output Flange D.180 mm	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

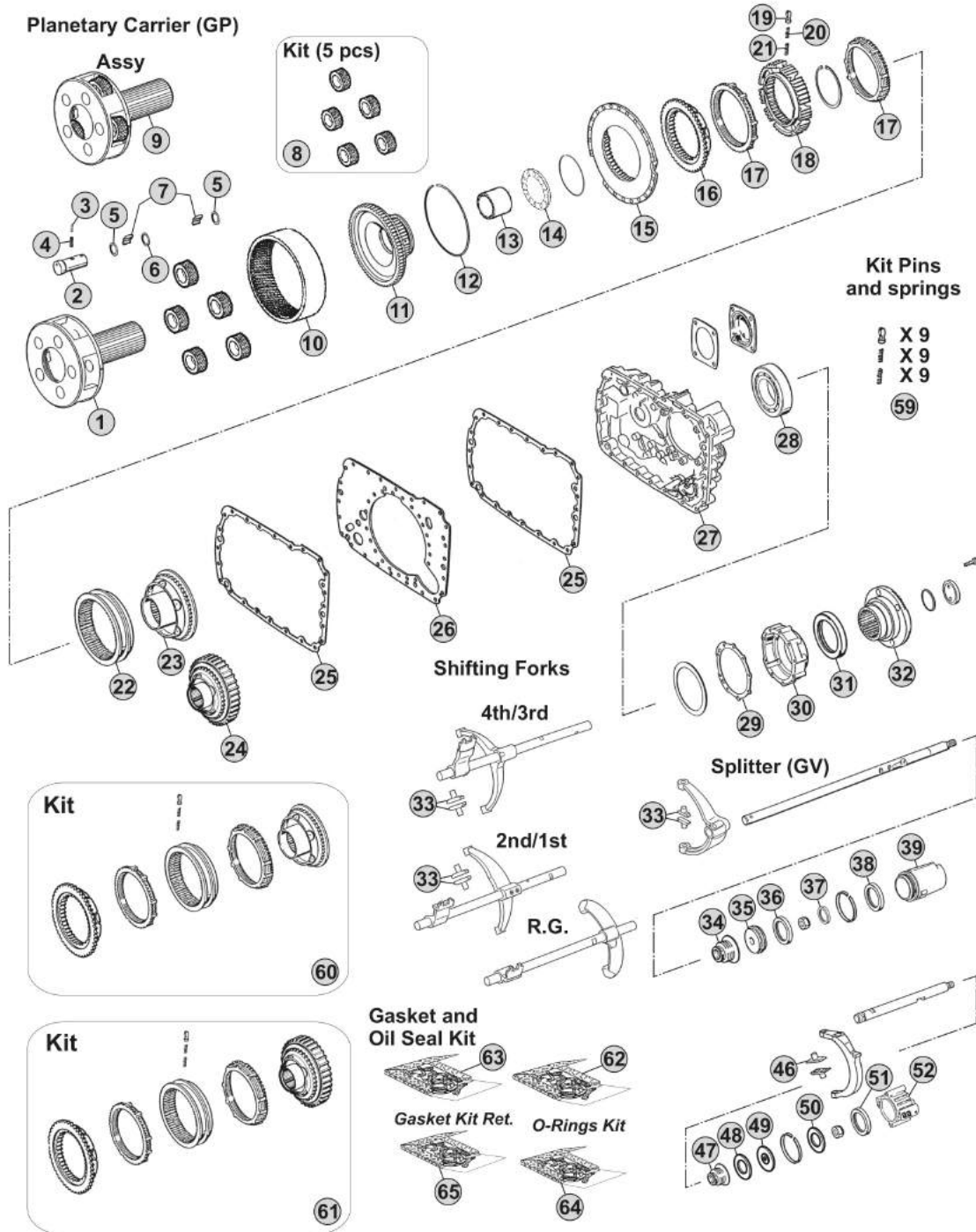
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S252 (1343 xxx xxx)
(GP Helical Teeth)



Notes

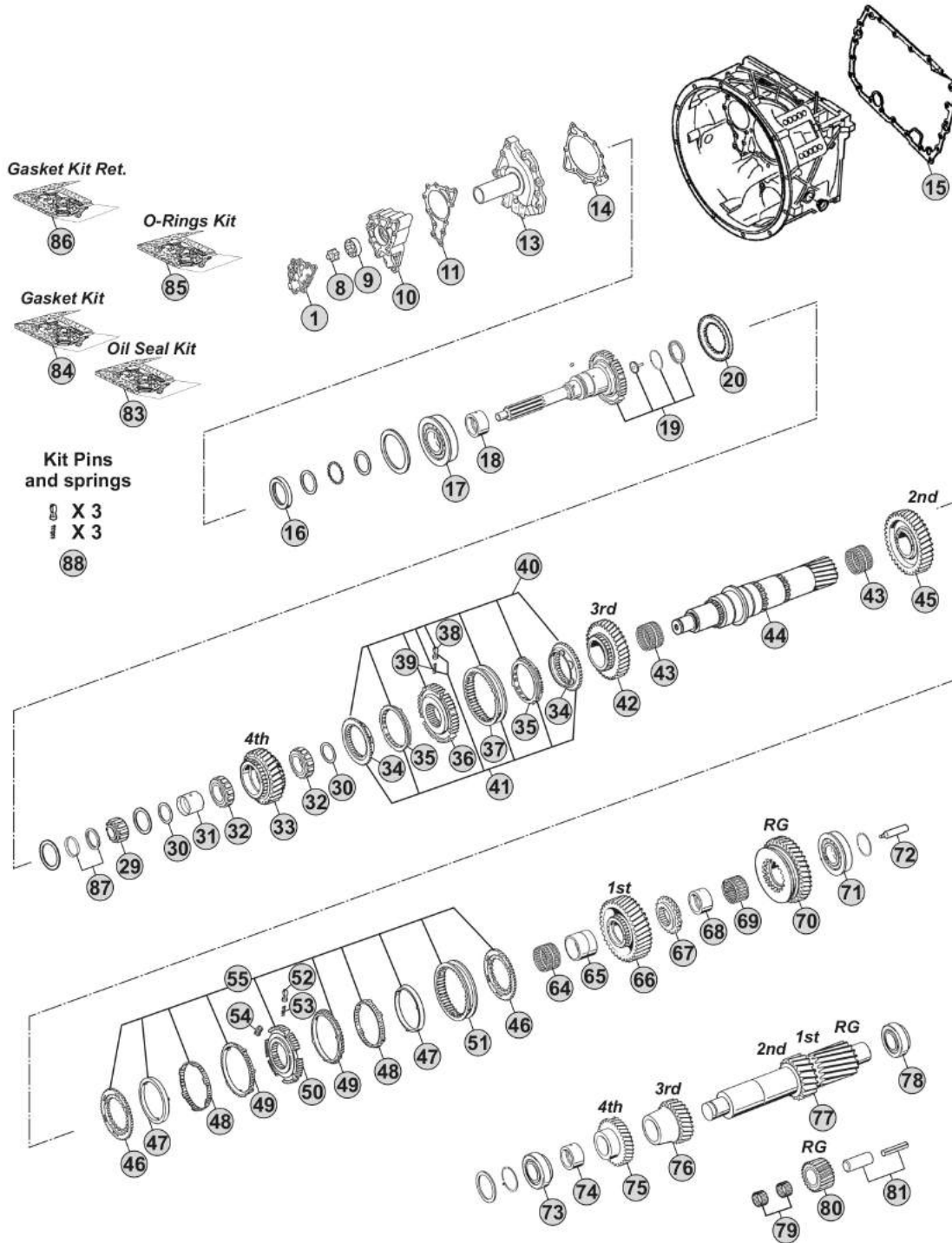
16S252 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1620 (1341 xxx xxx)



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Notes

8S1620 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S1620			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
8	189.679	1314 202 039	Oil Pump Shaft	1		●			
9	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
18	117.495	0730 260 712	Bush	1		●			
19	190.304	1315 202 037	Input Shaft	1		●			
20		1315 302 185	Disk	1		●			
29	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
31	117.321	0750 119 125	Bush 67x77x54,1	1		●			
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
38	160.189	1297 304 436	Pressure Piece	3		●			
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
40	298.021	1315 298 061	Synchro Kit	1	(21)	●			
41	298.291	1315 298 067	Synchro Kit	1	(21)	●			
41	298.288	1325 298 008	Synchro Kit	1	(22)	●			
41	196.442	1316 298 037	Synchro Kit	1	(23)	●			
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
44	103.138	1315 304 131	Main Shaft Z 23	1		●			
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			

 NEW ECOSPLIT III
8S1620
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

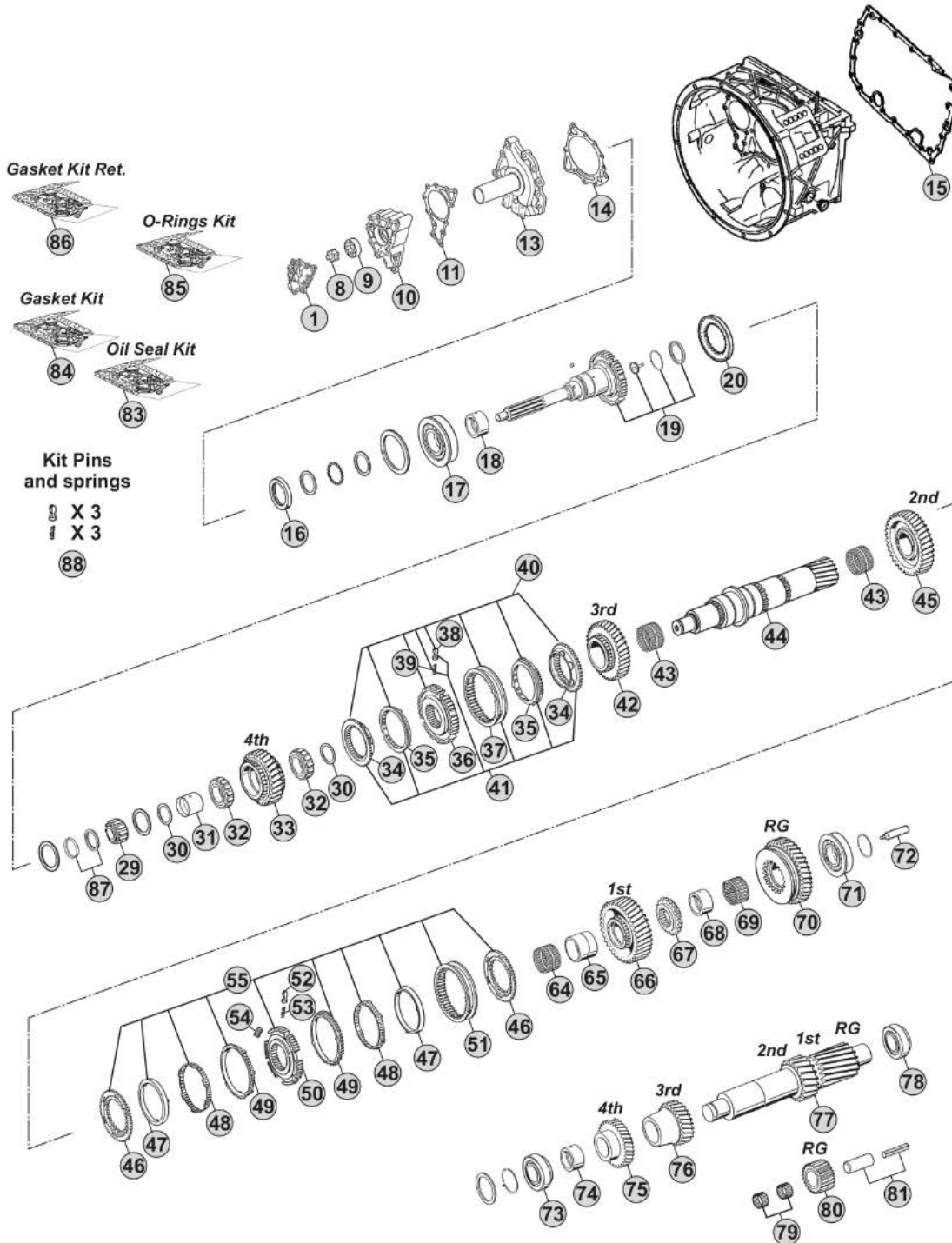
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1620 (1341 xxx xxx)



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Notes

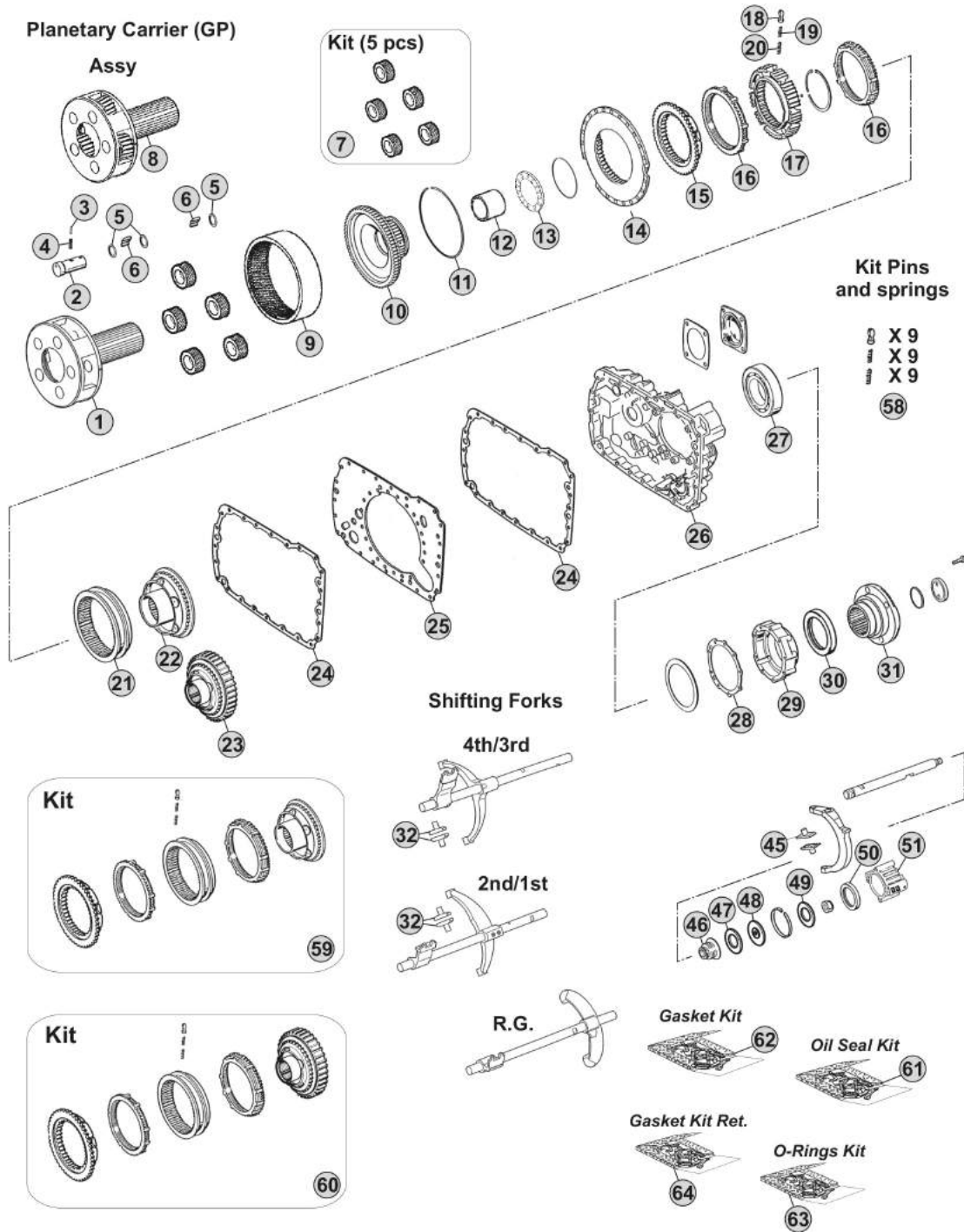
8S1620 R. 13,80-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1620 (1341 xxx xxx)



Notes

8S1620 R. 13,80-1,00

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Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S1620			
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●			
2	107.159	1315 332 053	Planerary pin	5	(70)	●			
2	107.255	1315 332 091	Planerary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	169.744	0730 107 168	Spacer Ring	15		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●			
8	298.862		Planetary Carrier Assy	1	(71)	●			
9	123.211	1315 332 041	Crown Gear 82 T	1		●			
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
11	111.426	0730 513 583	Locking Wire	1		●			
12	119.256	1316 333 014	Intermediate Ring	1		●			
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
14	135.122	1296 333 046	Saddle Plate	1		●			
15	109.174	1296 333 050	Synchronizer Cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●			
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1		●			
29	175.421	1315 231 004	Cover	1		●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
32	141.163	1297 306 120	Sliding pad	2	Old Type	●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

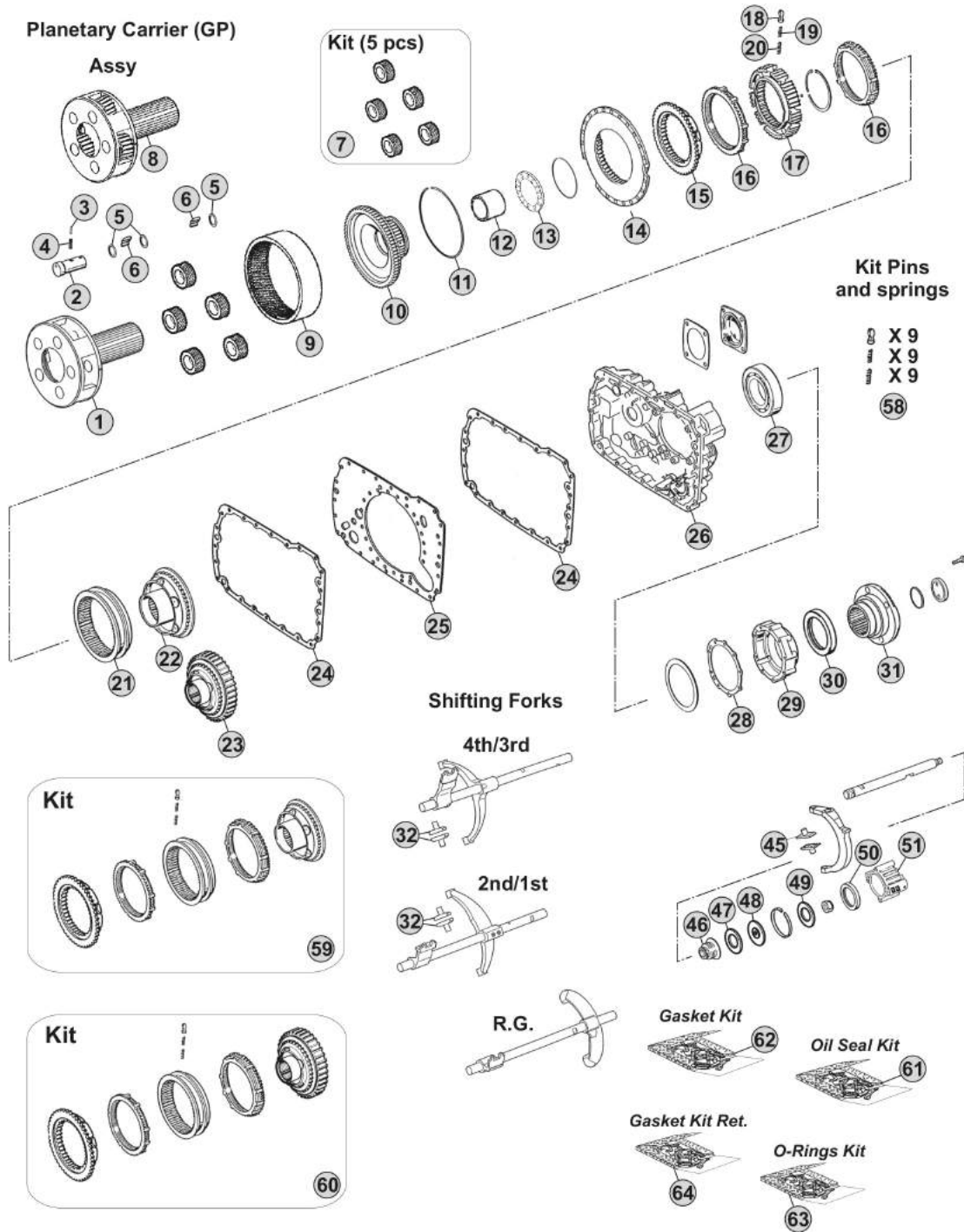
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1620 (1341 xxx xxx)



Notes

8S1620 R. 13,80-1,00

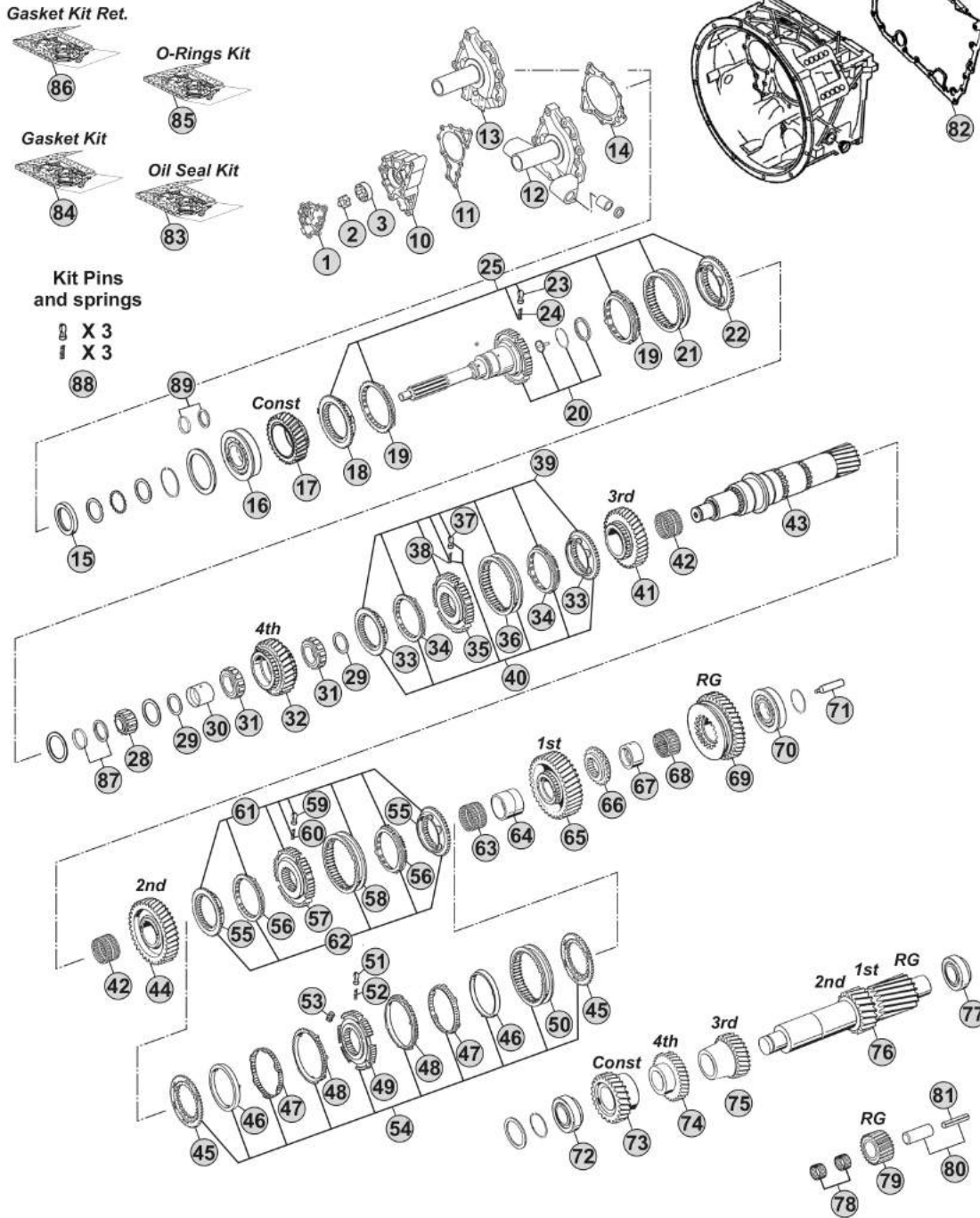
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1620 (1341 xxx xxx)



Notes

16S1620 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1620				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.251	1315 202 055	Front Cover	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.553	1315 302 157	Constant Gear 30 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	1	(52)	●				
20	190.304	1315 202 037	Input Shaft	1		●				
20	190.506	1315 202 038	Input shaft	1		●				
20	190.315	1315 202 040	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
29	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
30	117.321	0750 119 125	Bush 67x77x54,1	1		●				
31	137.164	0750 115 534	Roller Cage 77x101x29	2		●				
32	146.320	1315 304 089	Gear 4th Speed 32 T	1		●				
33	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
33	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
33	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
34	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
34	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
34	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

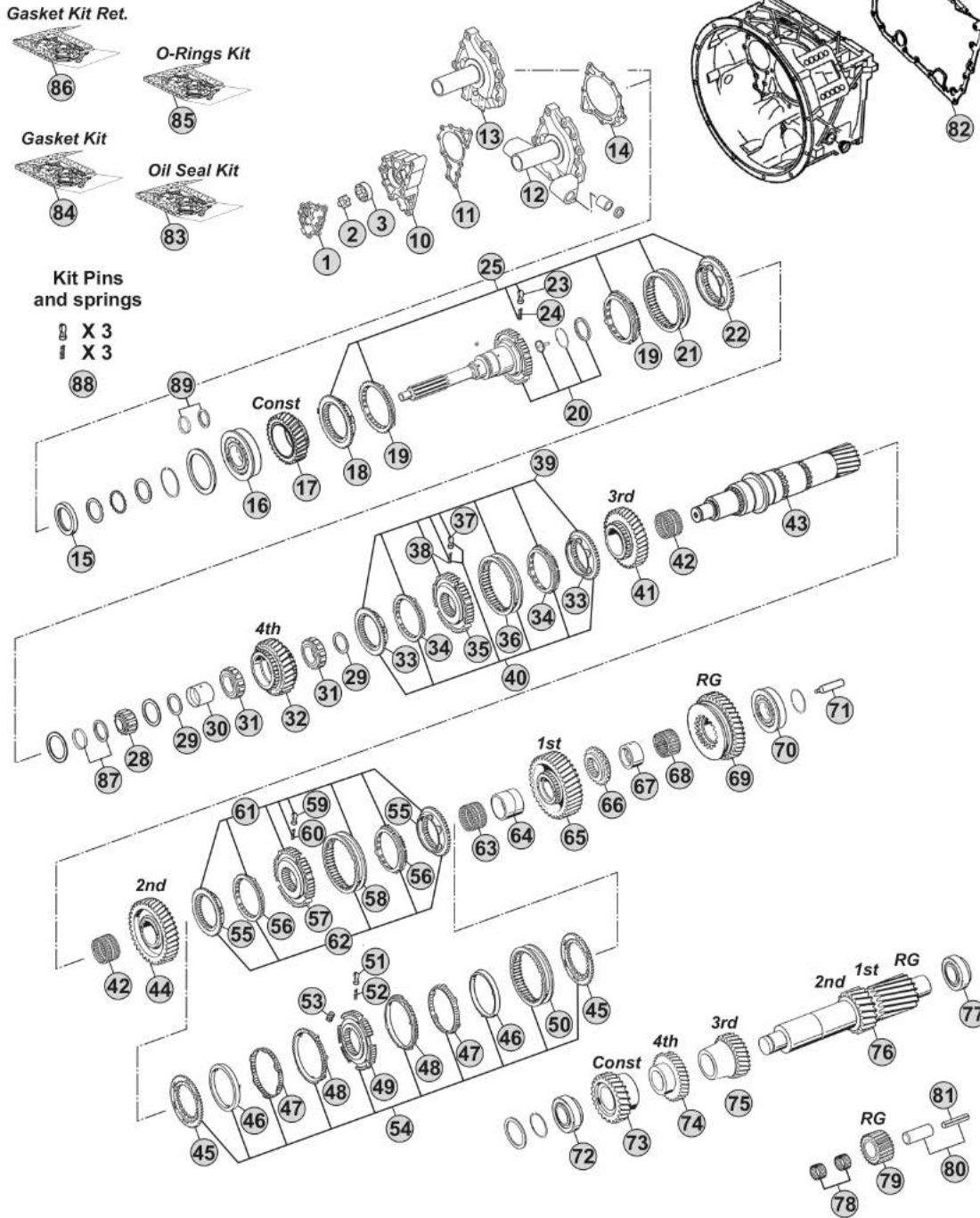
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1620 (1341 xxx xxx)



Notes

16S1620 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1620				
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
36	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
36	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
37	160.189	1297 304 436	Pressure Piece	3		●				
38	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
39	298.021	1315 298 061	Synchro Kit	1	(21)	●				
40	298.291	1315 298 067	Synchro Kit	1	(21)	●				
40	298.288	1325 298 008	Synchro Kit	1	(22)	●				
40	196.442	1316 298 037	Synchro Kit	1	(23)	●				
41	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
42	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
43	103.138	1315 304 131	Main Shaft Z 23	1		●				
44	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
45	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
46	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
47	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
48	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
49	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
50	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
51	160.189	1297 304 436	Pressure Piece	3	(30)	●				
52	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
53	156.176	1312 304 159	Slide	3	(30)	●				
54	198.969	1312 298 911	Synchro Kit	1	(30)	●				
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
58	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
58	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
59	160.189	1297 304 436	Pressure Piece	3		●				
60	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
61	298.020	1315 298 060	Synchro Kit	1	(32)	●				
62	298.286	1315 298 066	Synchro Kit	1	(32)	●				
62	298.287	1325 298 007	Synchro Kit	1	(33)	●				
62	196.440	1316 298 036	Synchro Kit	1	(34)	●				
63	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
64	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
65	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
66	109.144	1315 304 018	Engaging Ring	1		●				
67	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

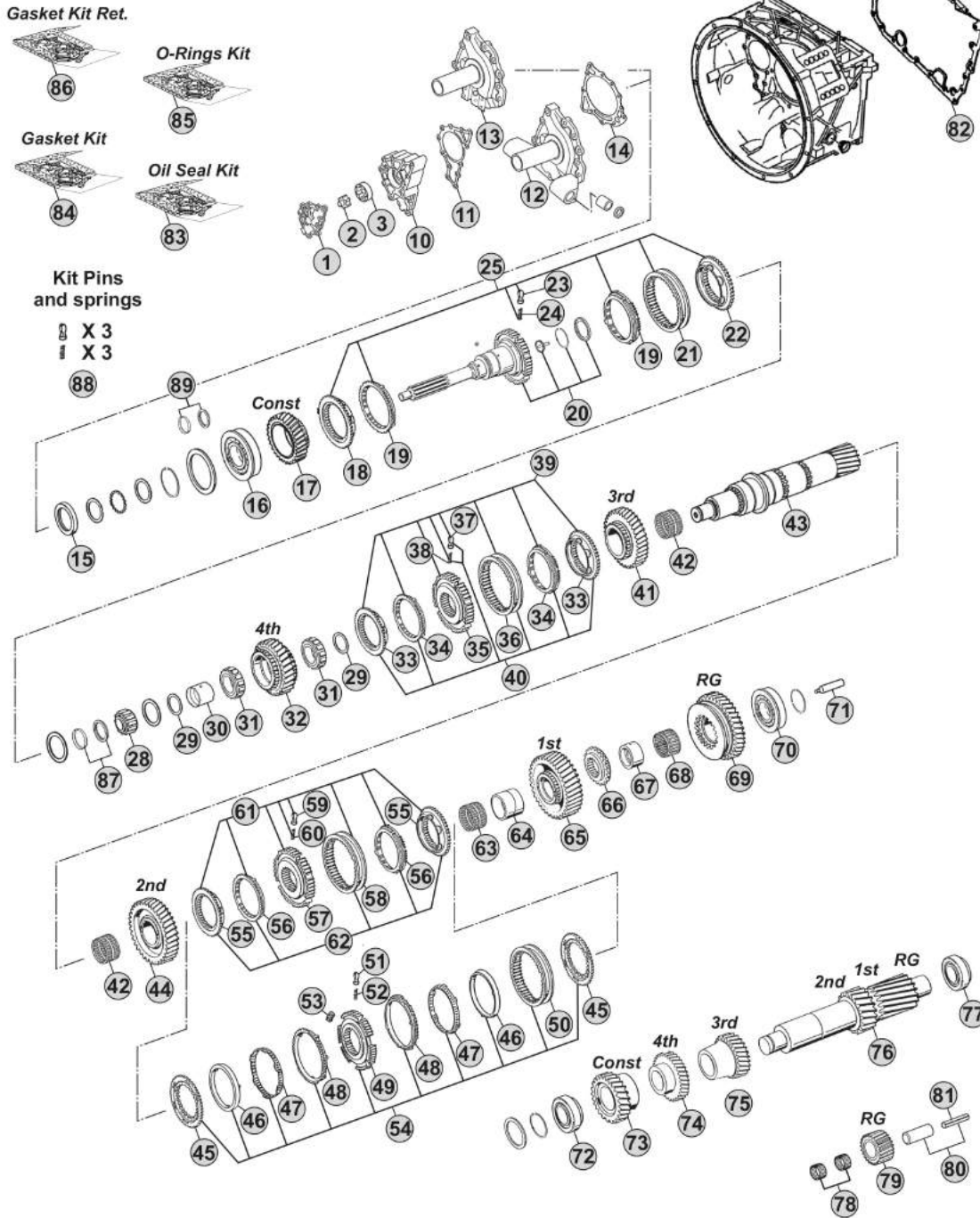
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1620 (1341 xxx xxx)



Notes

16S1620 R.16,41-1,00

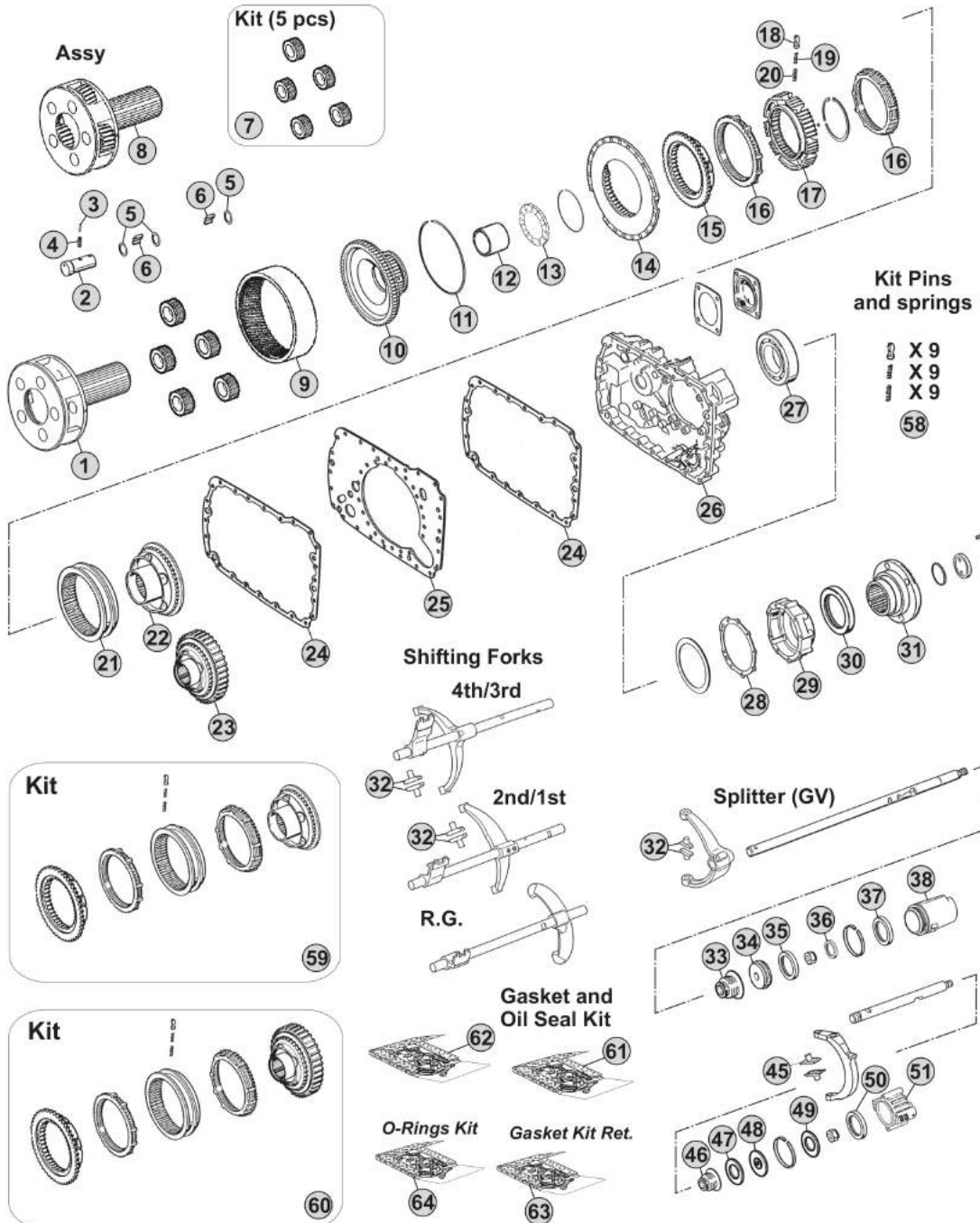
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1620 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

16S162 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1620			
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●			
2	107.159	1315 332 053	Planerary pin	5	(70)	●			
2	107.255	1315 332 091	Planerary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	169.744	0730 107 168	Spacer Ring	15		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●			
8	298.862		Planetary Carrier Assy	1	(71)	●			
9	123.211	1315 332 041	Crown Gear 82 T	1		●			
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
11	111.426	0730 513 583	Locking Wire	1		●			
12	119.256	1316 333 014	Intermediate Ring	1		●			
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
14	135.122	1296 333 046	Saddle Plate	1		●			
15	109.174	1296 333 050	Synchronizer Cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●			
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1		●			
29	175.421	1315 231 004	Cover	1		●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
31	197.251	1313 338 002	Output Flange	1		●			

 NEW ECOSPLIT III
16S1620
Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

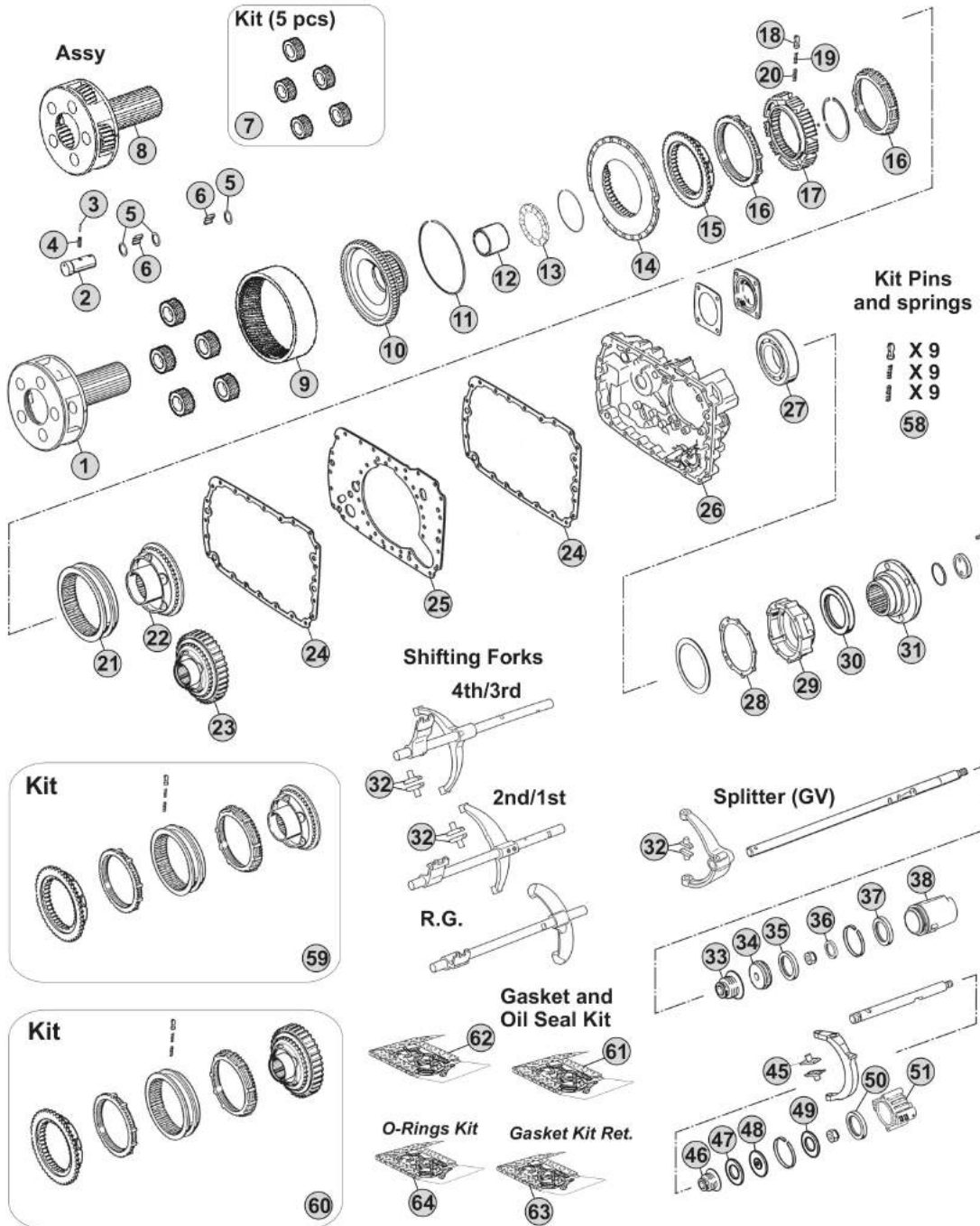
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1620 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

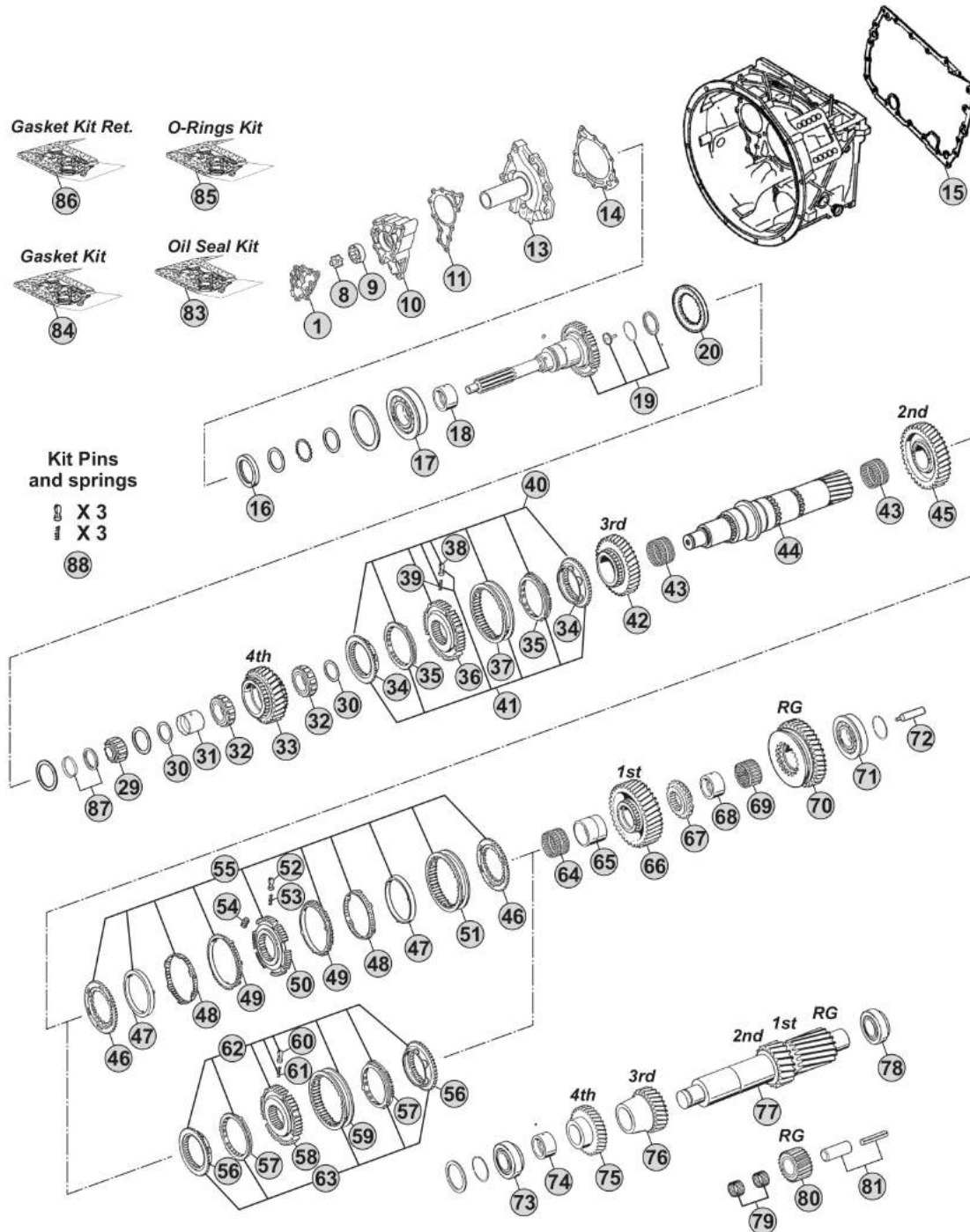
16S162 R.16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1621 (1341 xxx xxx)



Notes

8S1621 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S1621			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
8	189.679	1314 202 039	Oil Pump Shaft	1		●			
9	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
18	117.495	0730 260 712	Bush	1		●			
19	190.304	1315 202 037	Input Shaft	1		●			
20		1315 302 185	Disk	1		●			
29	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
31	117.321	0750 119 125	Bush 67x77x54,1	1		●			
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
38	160.189	1297 304 436	Pressure Piece	3		●			
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
40	298.021	1315 298 061	Synchro Kit	1	(21)	●			
41	298.291	1315 298 067	Synchro Kit	1	(21)	●			
41	298.288	1325 298 008	Synchro Kit	1	(22)	●			
41	196.442	1316 298 037	Synchro Kit	1	(23)	●			
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
44	103.138	1315 304 131	Main Shaft Z 23	1		●			
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			

 NEW ECOSPLIT III
8S1621
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

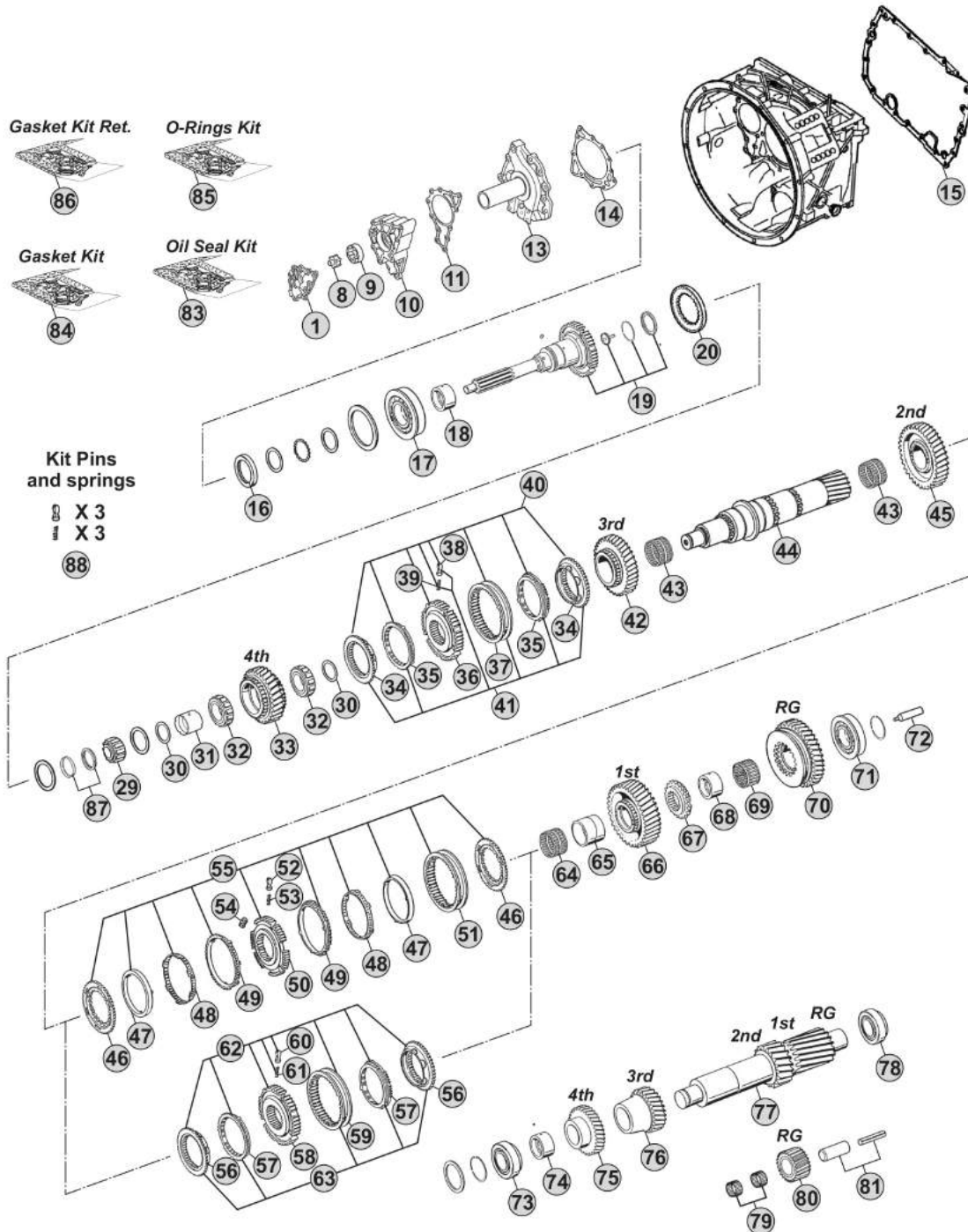
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1621 (1341 xxx xxx)



Notes

8S1621 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S1621				
51	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
52	160.189	1297 304 436	Pressure Piece	3	(30)	●				
53	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
54	156.176	1312 304 159	Slide	3	(30)	●				
55	198.969	1312 298 911	Synchro Kit	1	(30)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
59	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
60	160.189	1297 304 436	Pressure Piece	3		●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
62	298.020	1315 298 060	Synchro Kit	1	(32)	●				
63	298.286	1315 298 066	Synchro Kit	1	(32)	●				
63	298.287	1325 298 007	Synchro Kit	1	(33)	●				
63	196.440	1316 298 036	Synchro Kit	1	(34)	●				
64	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
65	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
67	109.144	1315 304 018	Engaging Ring	1		●				
68	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
69	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
70	147.123	1315 304 006	Reverse Gear 44 T	1		●				
71	130.309	0750 117 677	Bearing 80x130x36	1		●				
72	188.209	1312 304 150	Oil Tube	1		●				
73	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
74	117.496	0730 063 243	Bush	1		●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
77	105.216	1315 303 063	Countershaft 17/20 T	1		●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.126	1315 305 011	Reverse Gear 22 T	1		●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1	Paper	●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
85	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
86	298.860	6085 298 013	Gasket Kit intarder	1		●				
87	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				

Date

02/2015

Notes

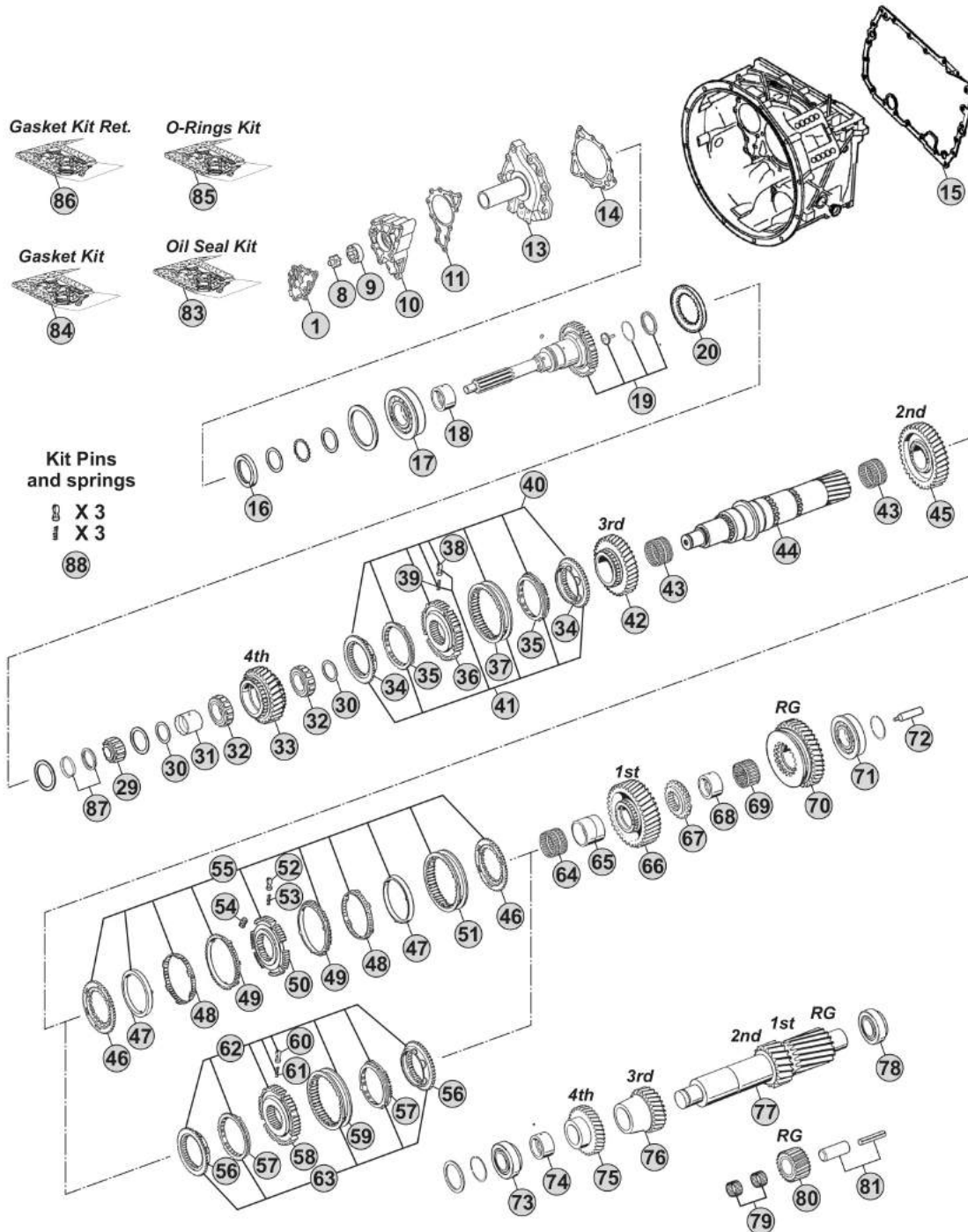
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1621 (1341 xxx xxx)



Notes

8S1621 R. 13,80-1,00

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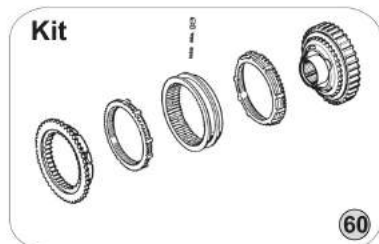
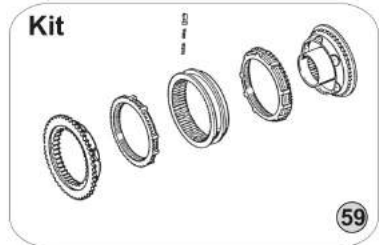
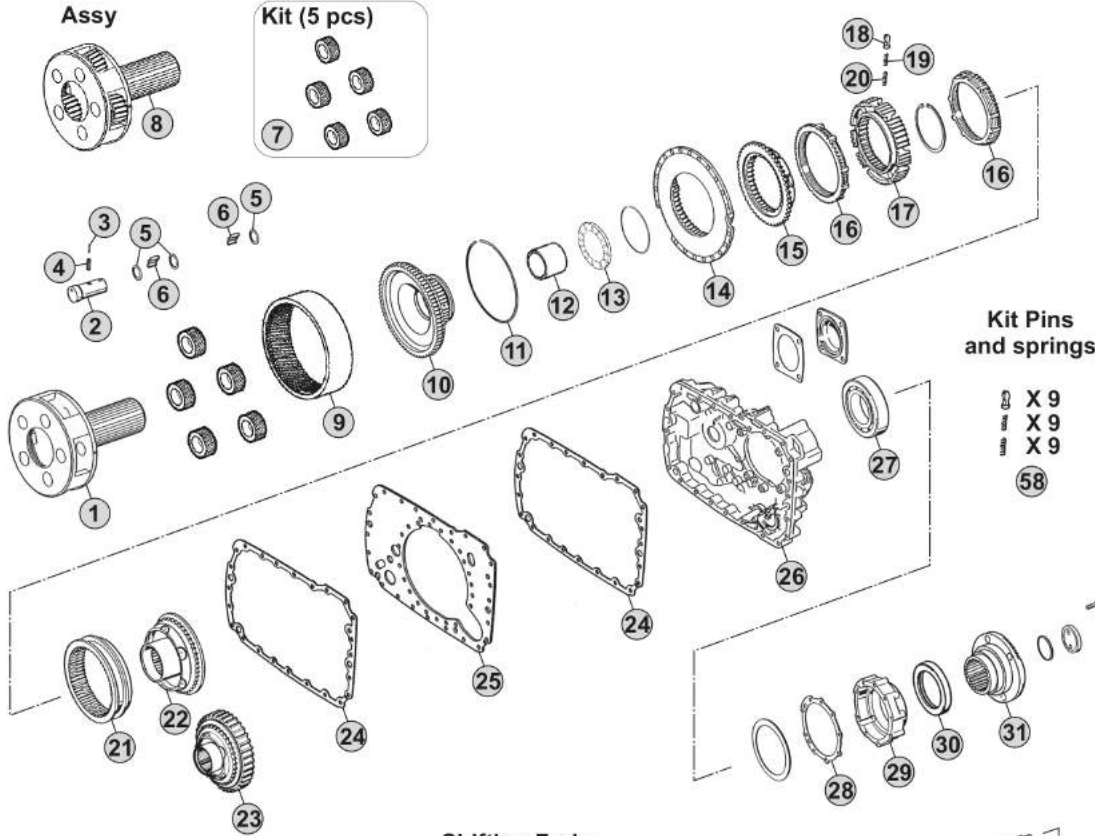
MODELS:

- NEW ECOSPLIT III

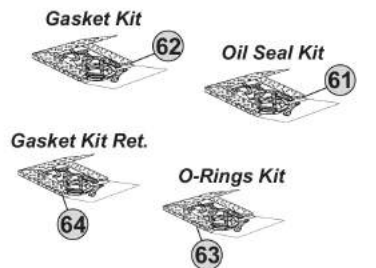
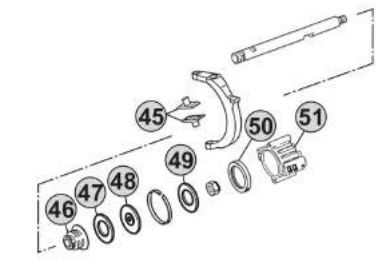
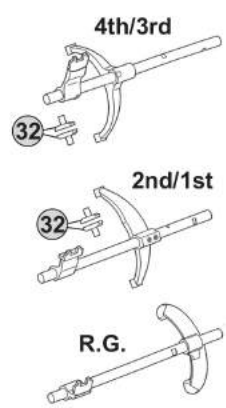
VERSIONS:

- 8S1621 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks



Notes

8S1621 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S1621				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

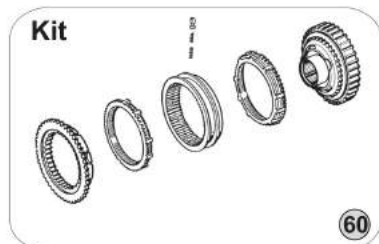
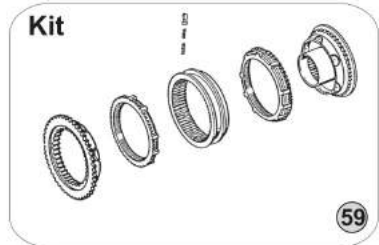
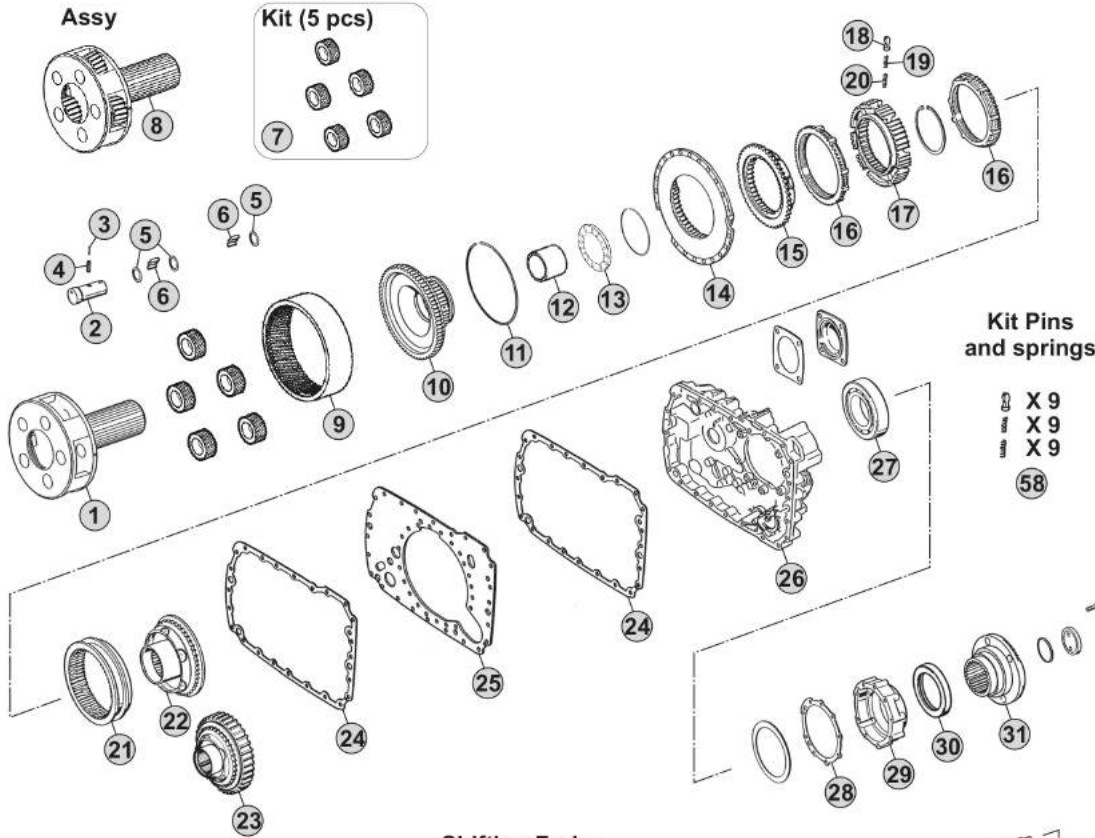
MODELS:

- NEW ECOSPLIT III

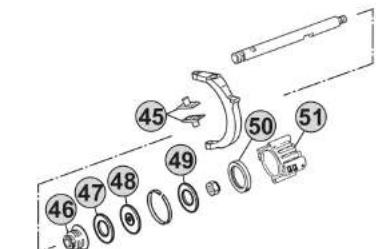
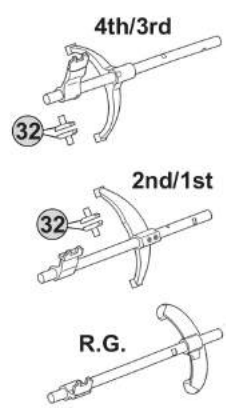
VERSIONS:

- 8S1621 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks



Notes

8S1621 R. 13,80-1,00

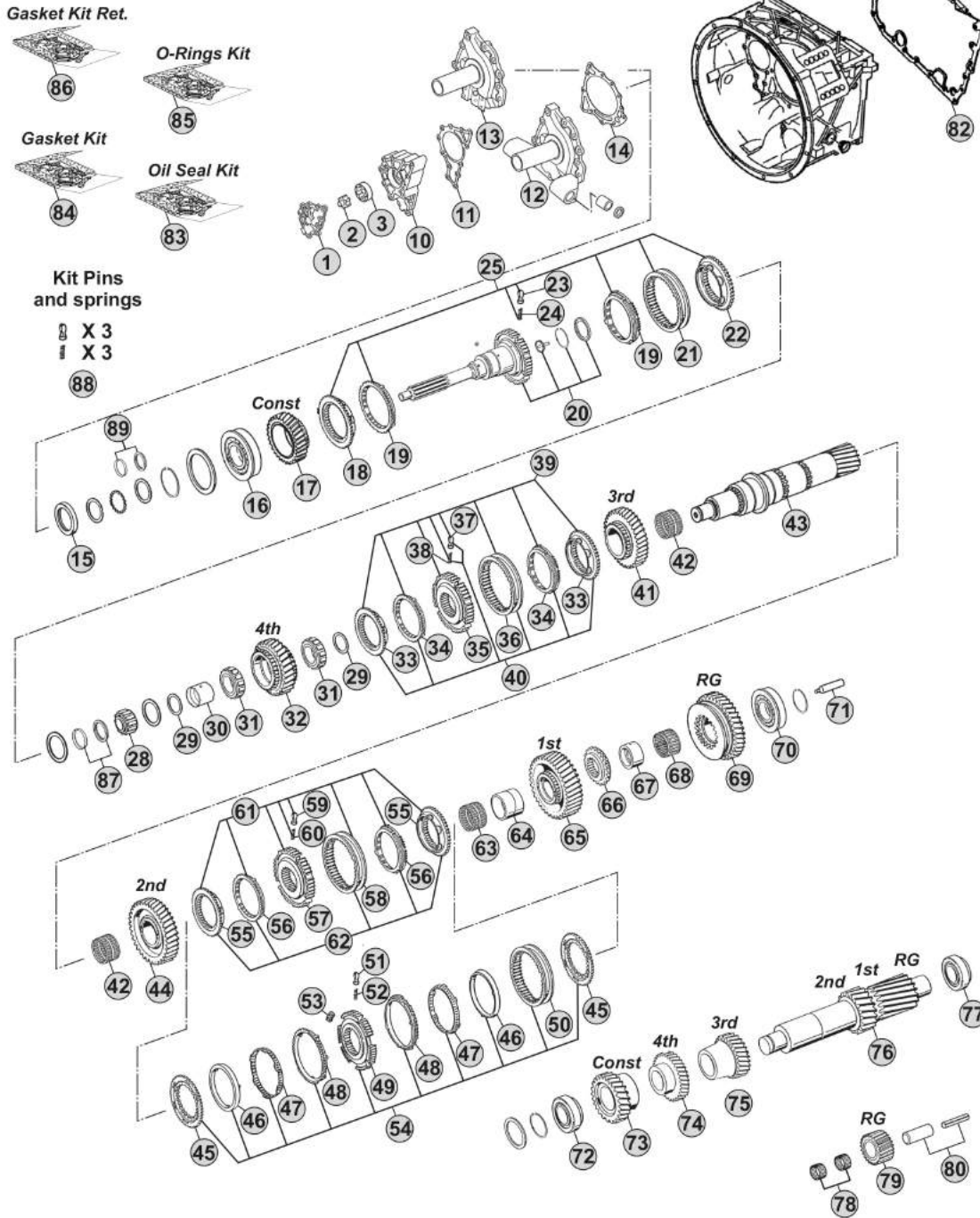
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1621 (1341 xxx xxx)



Notes

16S1621 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1621			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.553	1315 302 157	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.304	1315 202 037	Input Shaft	1		●			
20	190.506	1315 202 038	Input shaft	1		●			
20	190.315	1315 202 040	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
29	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
30	117.321	0750 119 125	Bush 67x77x54,1	1		●			
31	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
32	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
33	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
33	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
33	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
34	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
34	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
34	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			

 NEW ECOSPLIT III
16S1621
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

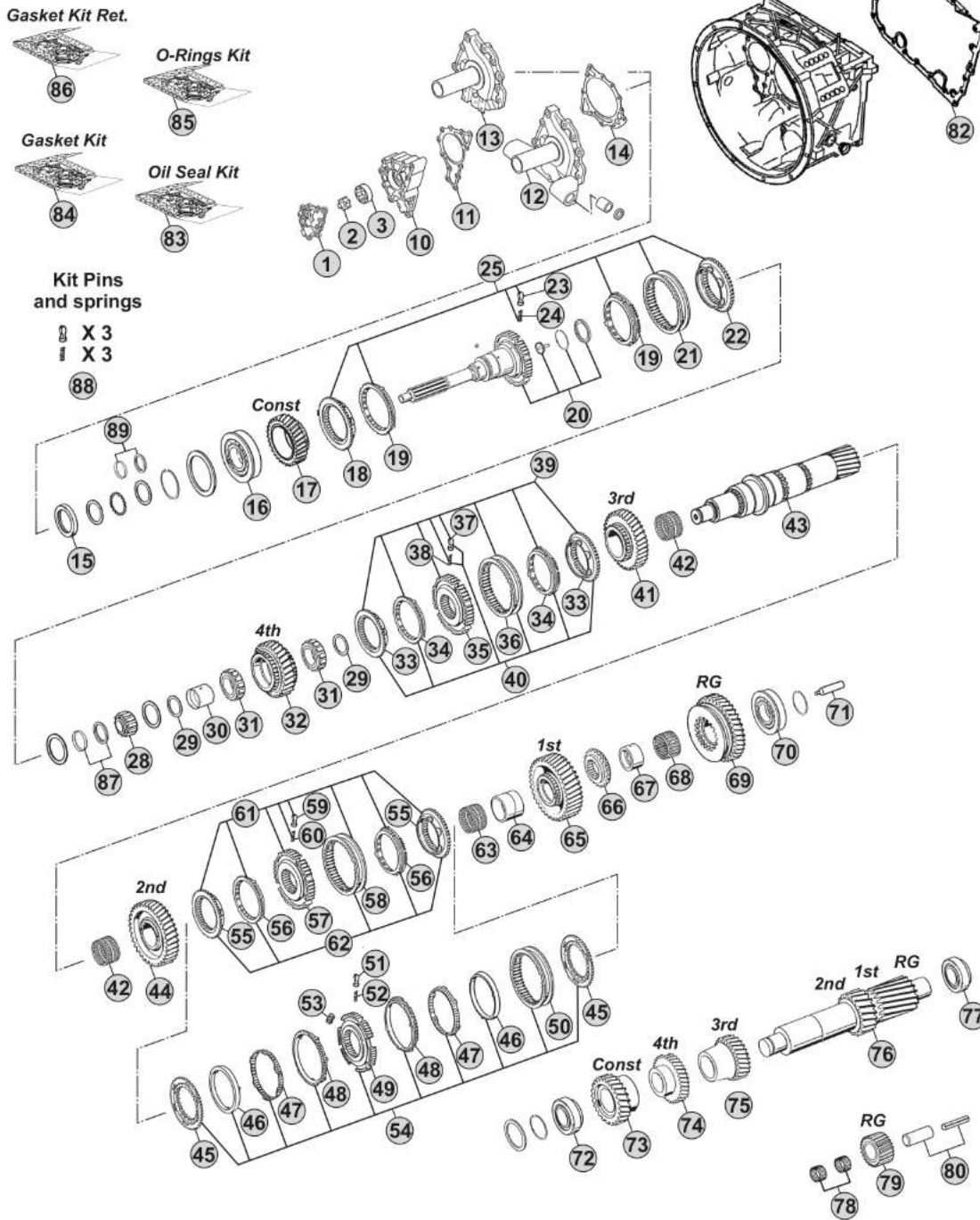
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1621 (1341 xxx xxx)



Notes

16S1621 R.16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1621				
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
36	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
36	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
37	160.189	1297 304 436	Pressure Piece	3		●				
38	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
39	298.021	1315 298 061	Synchro Kit	1	(21)	●				
40	298.291	1315 298 067	Synchro Kit	1	(21)	●				
40	298.288	1325 298 008	Synchro Kit	1	(22)	●				
40	196.442	1316 298 037	Synchro Kit	1	(23)	●				
41	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
42	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
43	103.138	1315 304 131	Main Shaft Z 23	1		●				
44	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
45	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
46	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
47	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
48	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
49	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
50	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
51	160.189	1297 304 436	Pressure Piece	3	(30)	●				
52	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
53	156.176	1312 304 159	Slide	3	(30)	●				
54	198.969	1312 298 911	Synchro Kit	1	(30)	●				
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
58	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
58	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
59	160.189	1297 304 436	Pressure Piece	3		●				
60	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
61	298.020	1315 298 060	Synchro Kit	1	(32)	●				
62	298.286	1315 298 066	Synchro Kit	1	(32)	●				
62	298.287	1325 298 007	Synchro Kit	1	(33)	●				
62	196.440	1316 298 036	Synchro Kit	1	(34)	●				
63	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
64	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
65	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
66	109.144	1315 304 018	Engaging Ring	1		●				
67	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

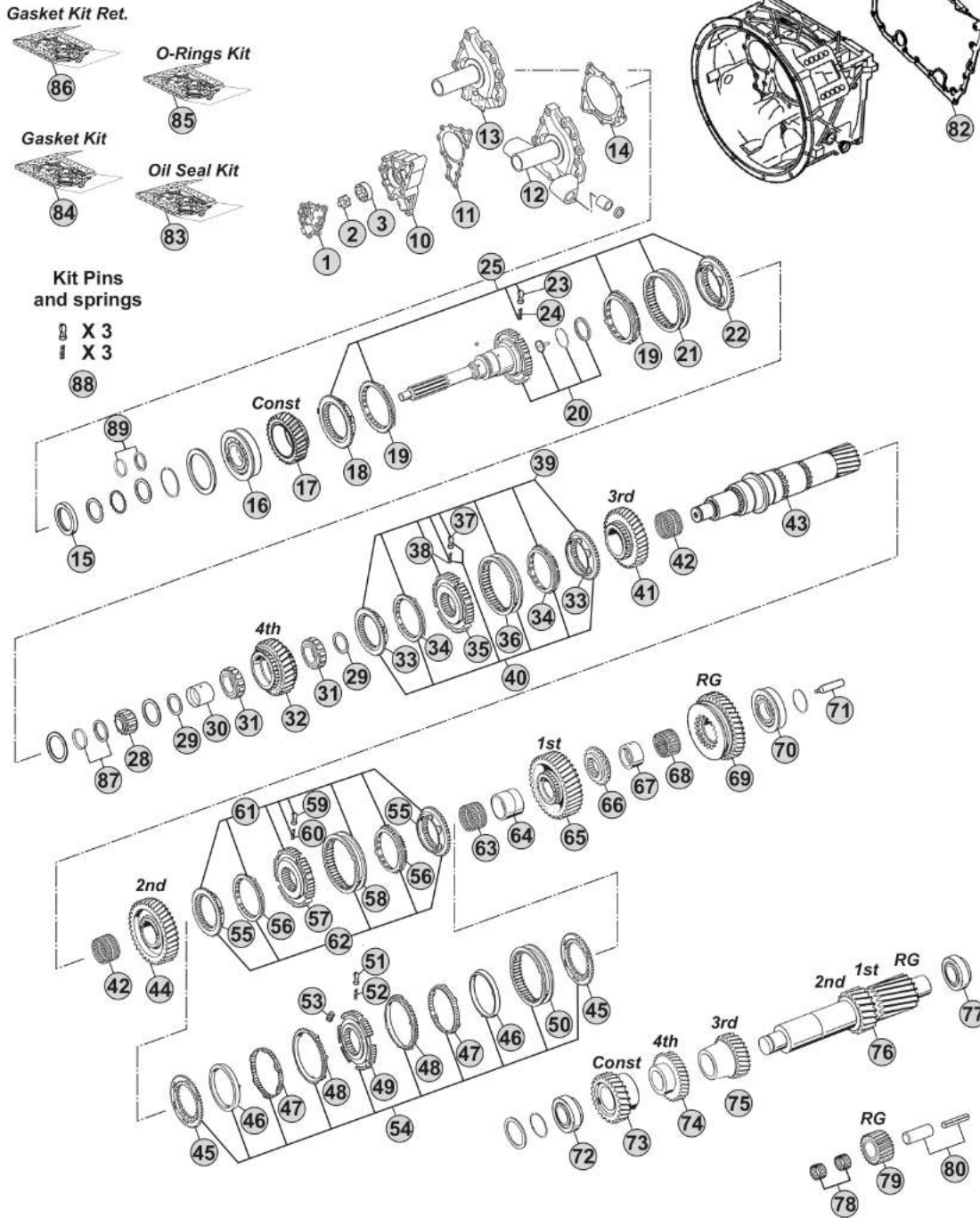
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1621 (1341 xxx xxx)



Notes

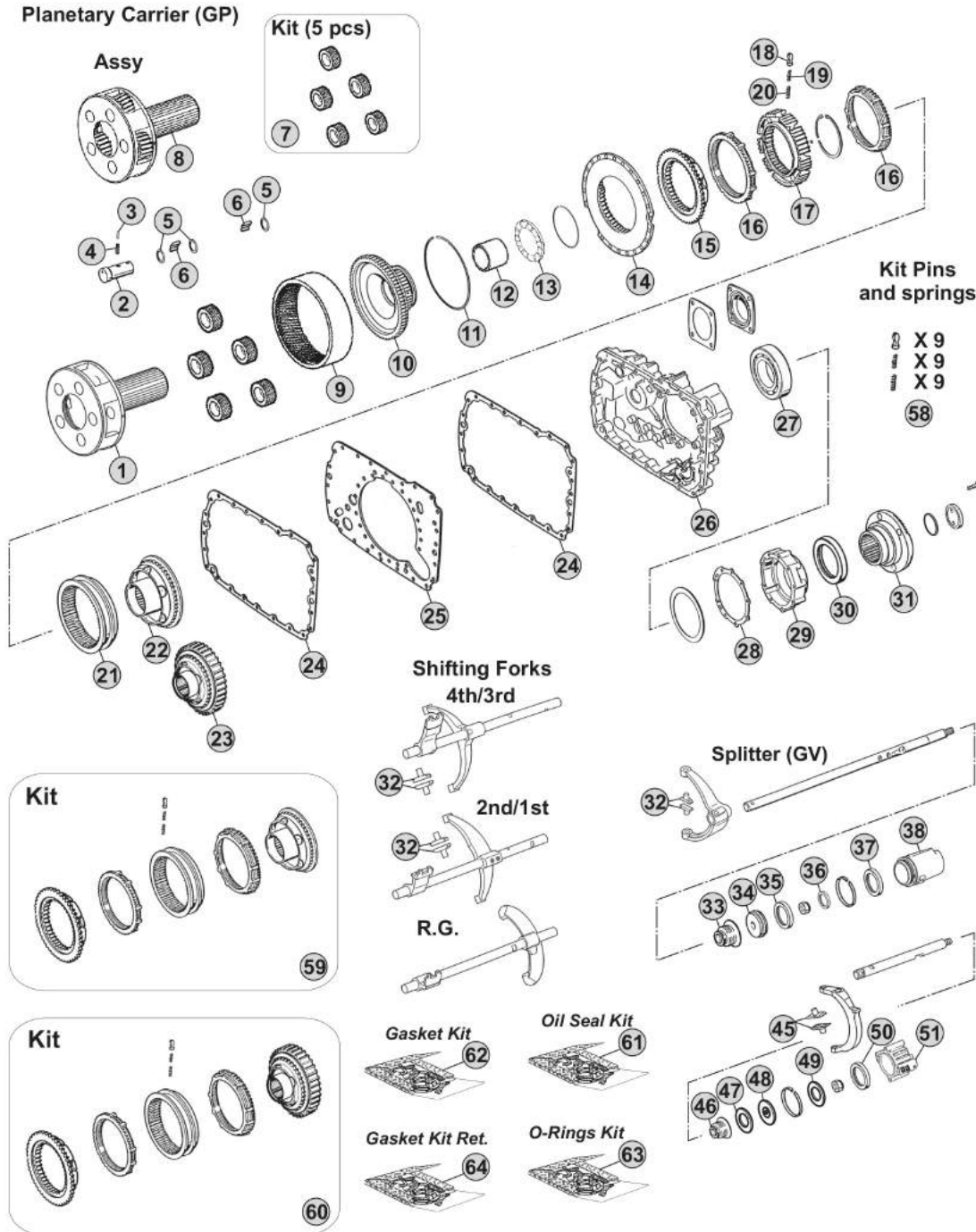
16S1621 R.16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1621 (1341 xxx xxx)



Notes

16S1621 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1621				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31	197.251	1313 338 002	Output Flange	1		●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

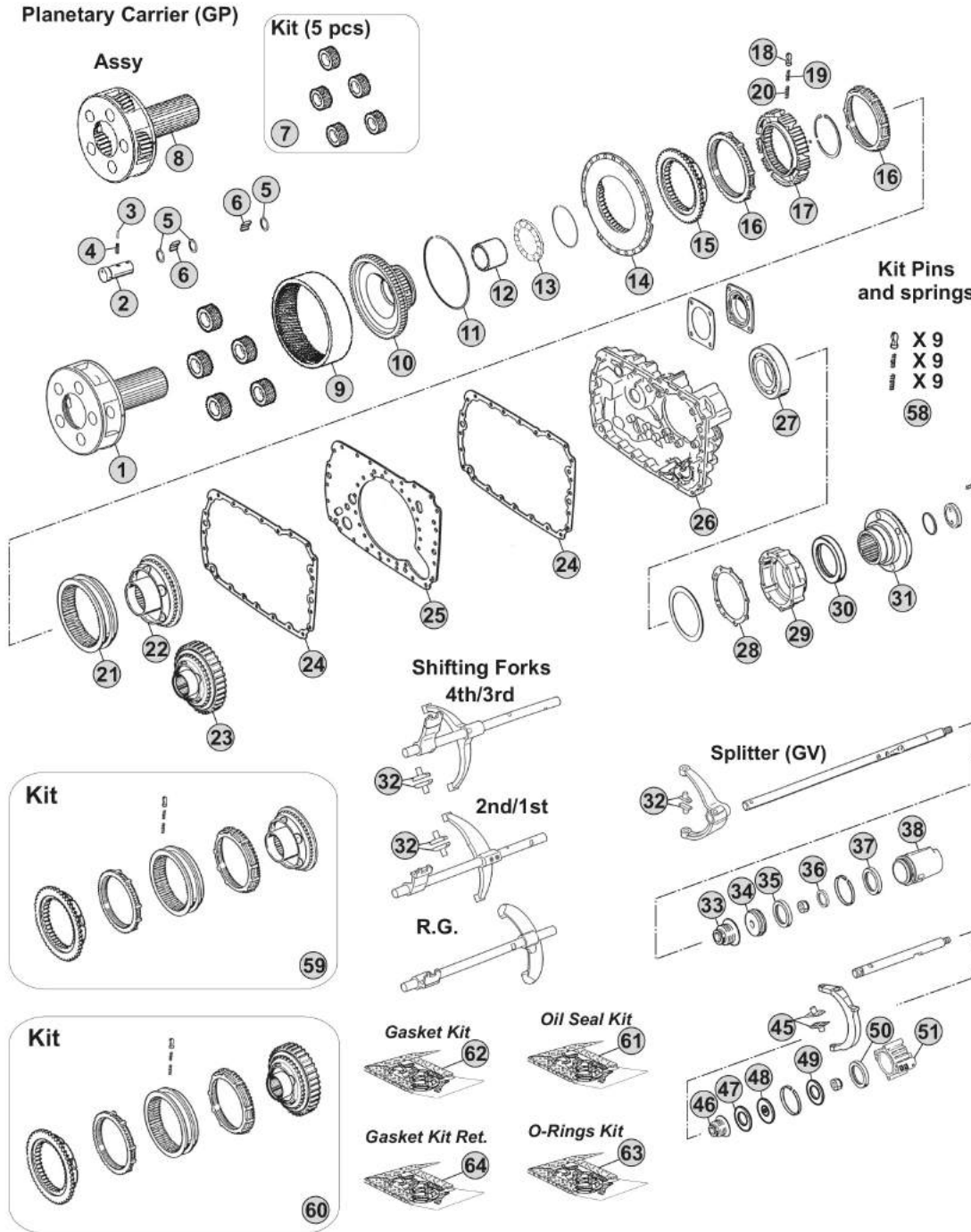
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1621 (1341 xxx xxx)



Notes

16S1621 R.16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1625 (1341 xxx xxx)

Gasket Kit Ret.



O-Rings Kit



Gasket Kit

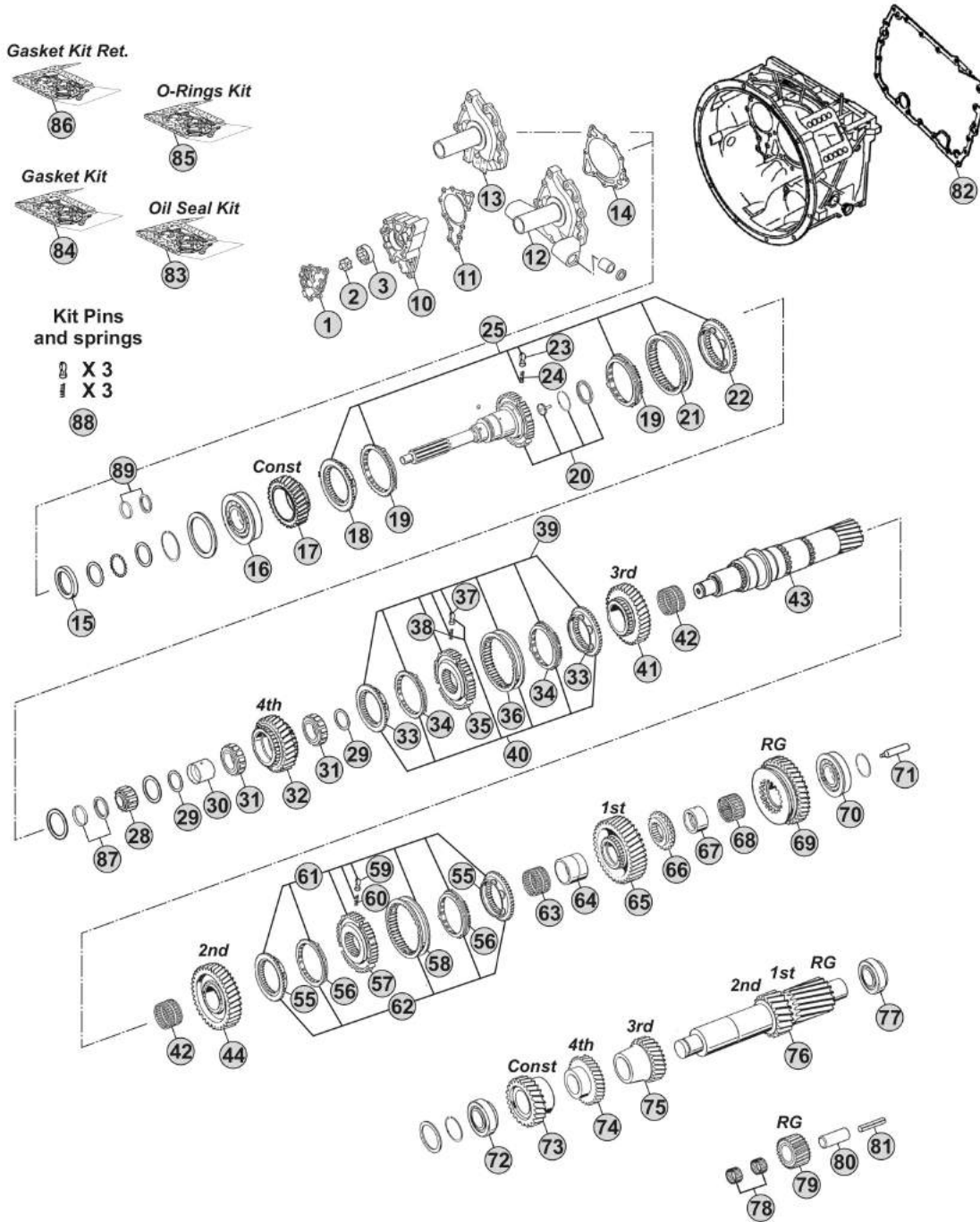


Oil Seal Kit



Kit Pins and springs

- ▣ X 3
- ▣ X 3



Notes

16S1625 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1625			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.553	1315 302 157	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	1	(52)	●			
20	190.304	1315 202 037	Input Shaft	1		●			
20	190.506	1315 202 038	Input shaft	1		●			
20	190.315	1315 202 040	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
29	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
30	117.321	0750 119 125	Bush 67x77x54,1	1		●			
31	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
32	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
33	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
33	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
33	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
34	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
34	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
34	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			

 NEW ECOSPLIT III
16S1625
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

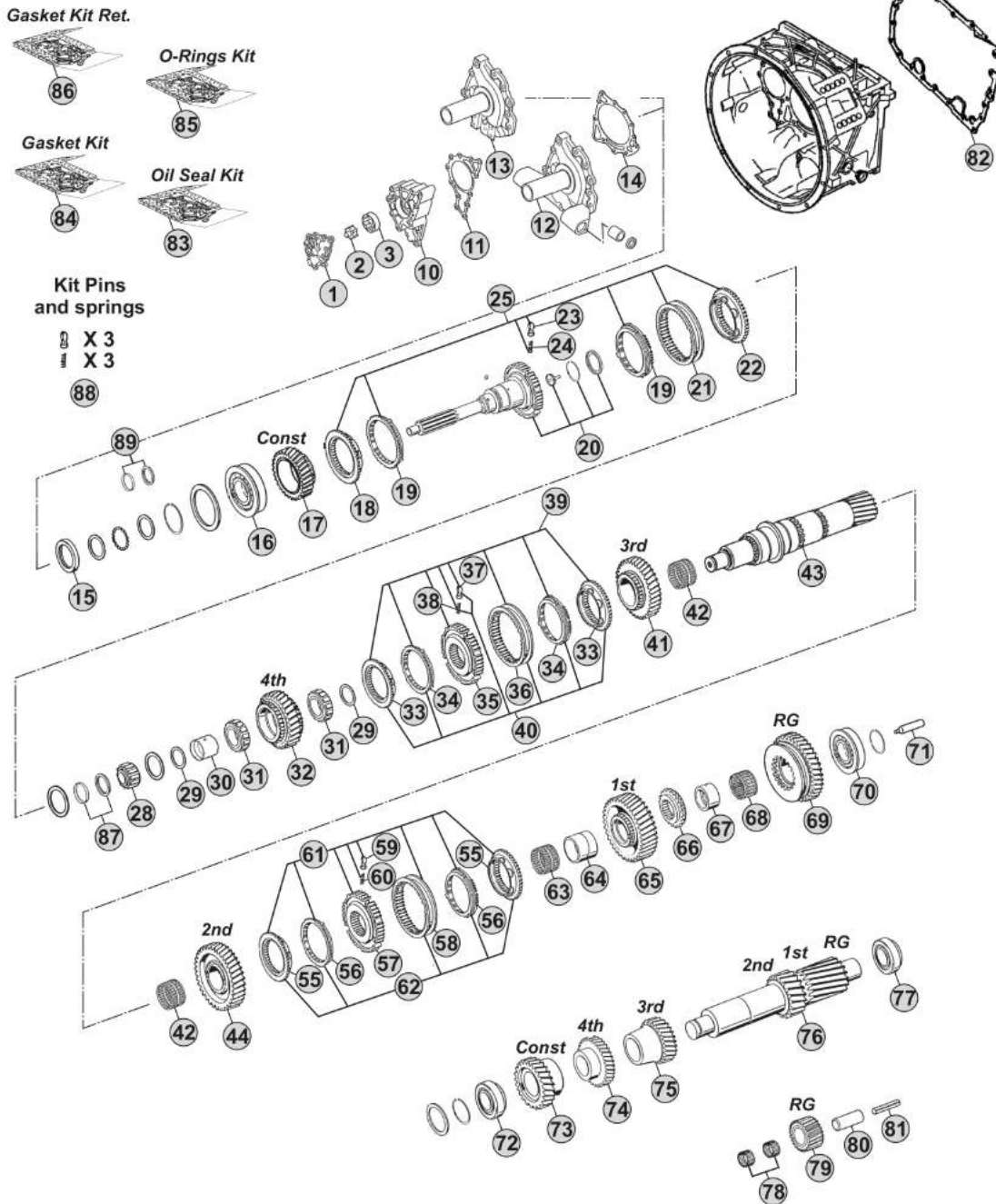
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1625 (1341 xxx xxx)



Notes

16S1625 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1625				
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
36	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
36	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
37	160.189	1297 304 436	Pressure Piece	3		●				
38	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
39	298.021	1315 298 061	Synchro Kit	1	(21)	●				
40	298.291	1315 298 067	Synchro Kit	1	(21)	●				
40	298.288	1325 298 008	Synchro Kit	1	(22)	●				
40	196.442	1316 298 037	Synchro Kit	1	(23)	●				
41	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
42	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
43	103.138	1315 304 131	Main Shaft Z 23	1		●				
44	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
58	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
58	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
59	160.189	1297 304 436	Pressure Piece	3		●				
60	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
61	298.020	1315 298 060	Synchro Kit	1	(32)	●				
62	298.286	1315 298 066	Synchro Kit	1	(32)	●				
62	298.287	1325 298 007	Synchro Kit	1	(33)	●				
62	196.440	1316 298 036	Synchro Kit	1	(34)	●				
63	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
64	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
65	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
66	109.144	1315 304 018	Engaging Ring	1		●				
67	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
68	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
69	147.123	1315 304 006	Reverse Gear 44 T	1		●				
70	130.309	0750 117 677	Bearing 80x130x36	1		●				
71	188.209	1312 304 150	Oil Tube	1		●				
72	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
73	146.367	1315 303 008	Constant Gear 39 T	1		●				
74	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
75	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
76	105.216	1315 303 063	Countershaft 17/20 T	1		●				
77	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

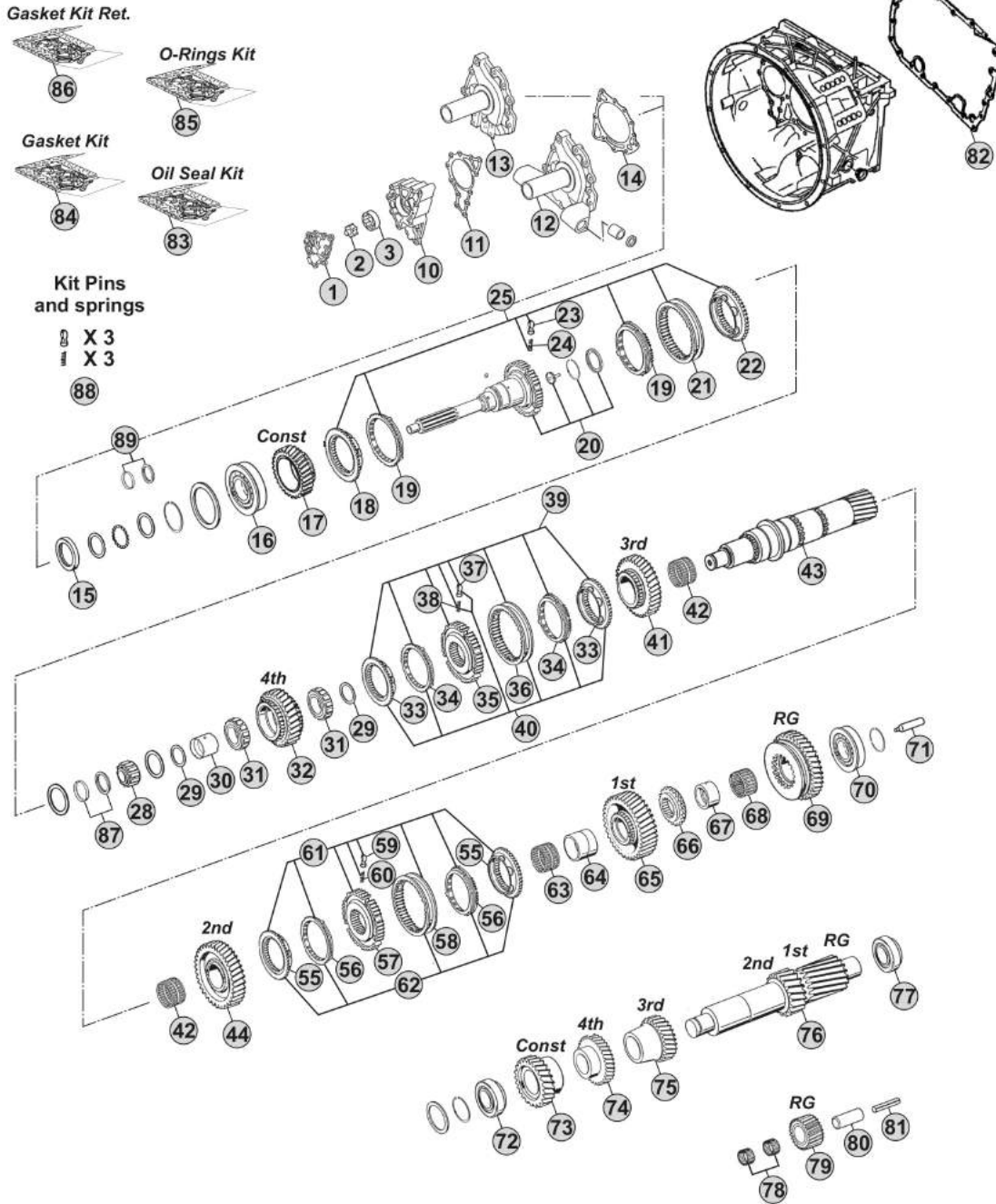
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1625 (1341 xxx xxx)



Notes

16S1625 R.16,41-1,00

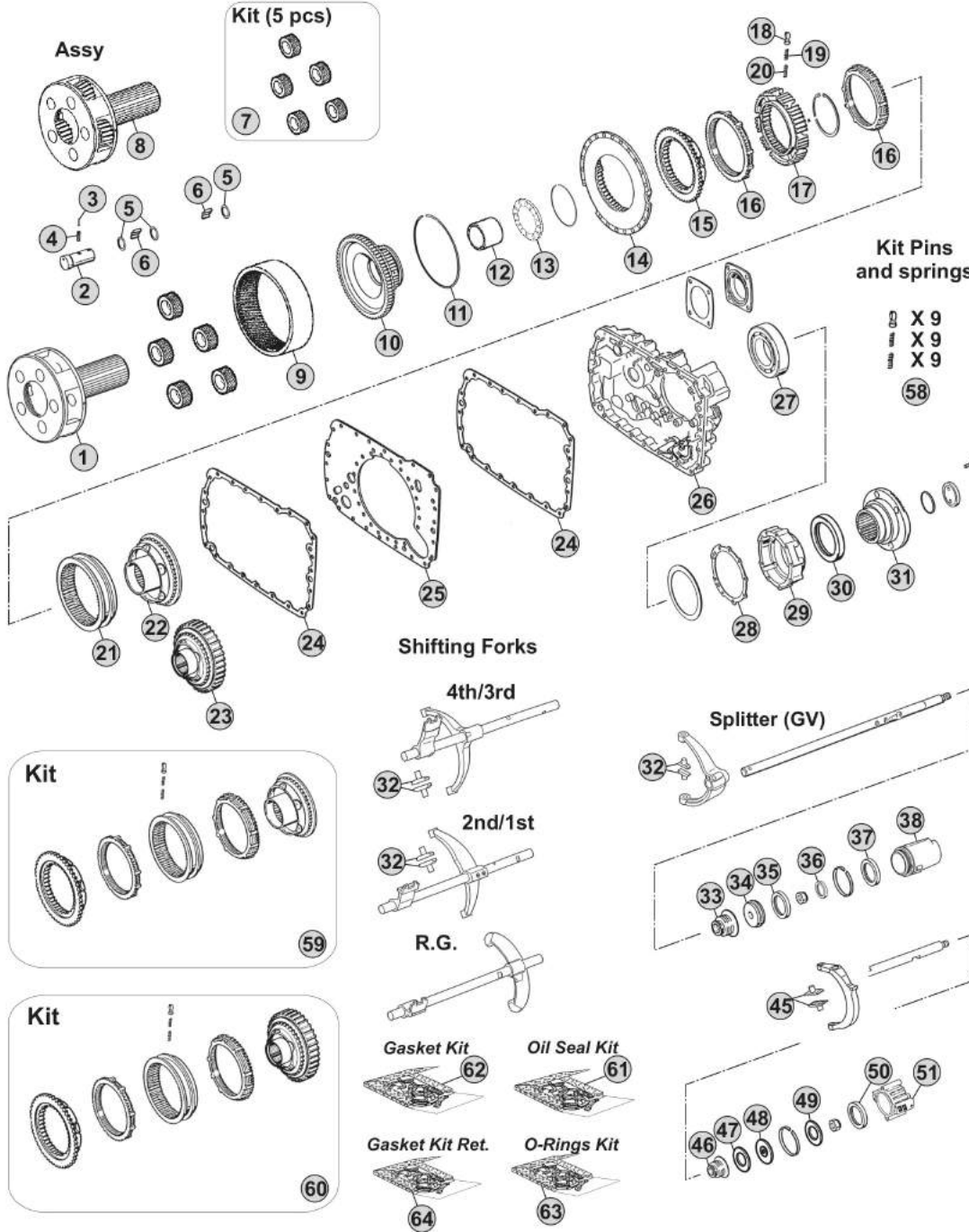
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1625 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

16S1625 R.16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1625				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31	197.251	1313 338 002	Output Flange	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

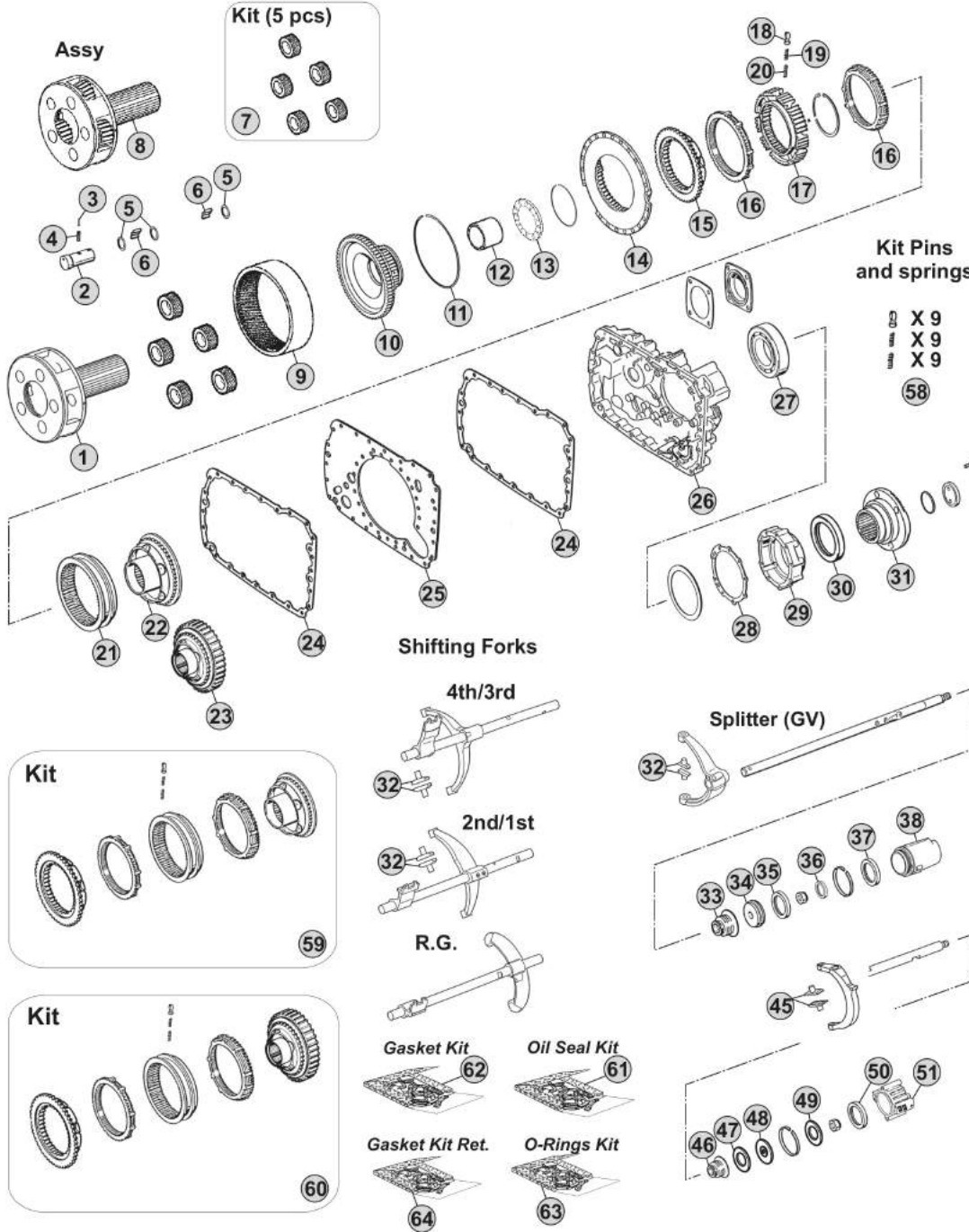
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1625 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

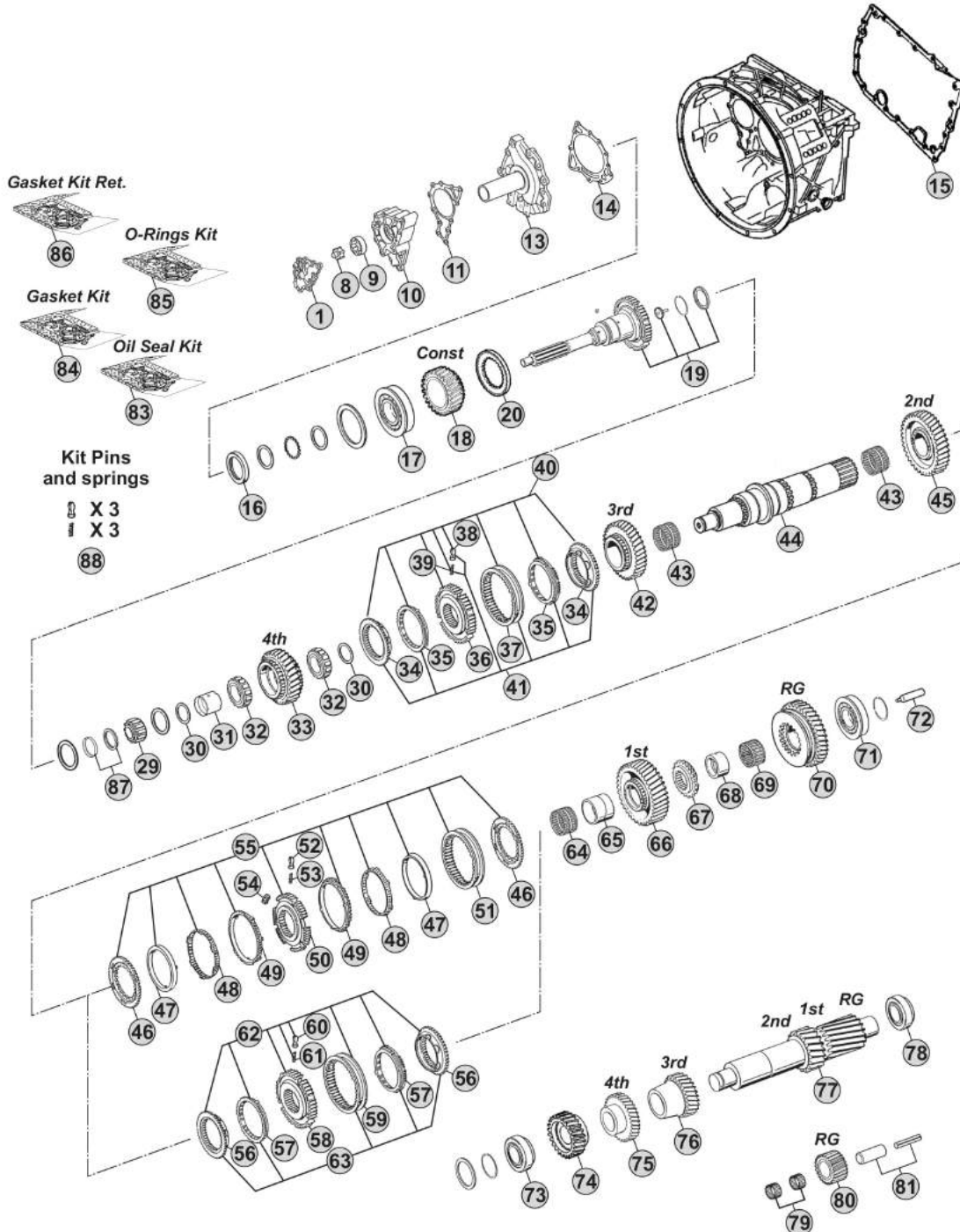
16S1625 R.16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Straight Teeth)



Notes

8S1820 R. 11,59-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851820			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
8	189.679	1314 202 039	Oil Pump Shaft	1		●			
9	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
18	145.556	1315 302 158	Constant Gear 35 T	1		●			
19	190.304	1315 202 037	Input Shaft	1		●			
20		1315 302 185	Disk	1		●			
29	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
31	117.321	0750 119 125	Bush 67x77x54,1	1		●			
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
38	160.189	1297 304 436	Pressure Piece	3		●			
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
40	298.021	1315 298 061	Synchro Kit	1	(21)	●			
41	298.291	1315 298 067	Synchro Kit	1	(21)	●			
41	298.288	1325 298 008	Synchro Kit	1	(22)	●			
41	196.442	1316 298 037	Synchro Kit	1	(23)	●			
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
44	103.135	1315 304 130	Main Shaft 23 T	1		●			
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			

 NEW ECOSPLIT III
851820
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

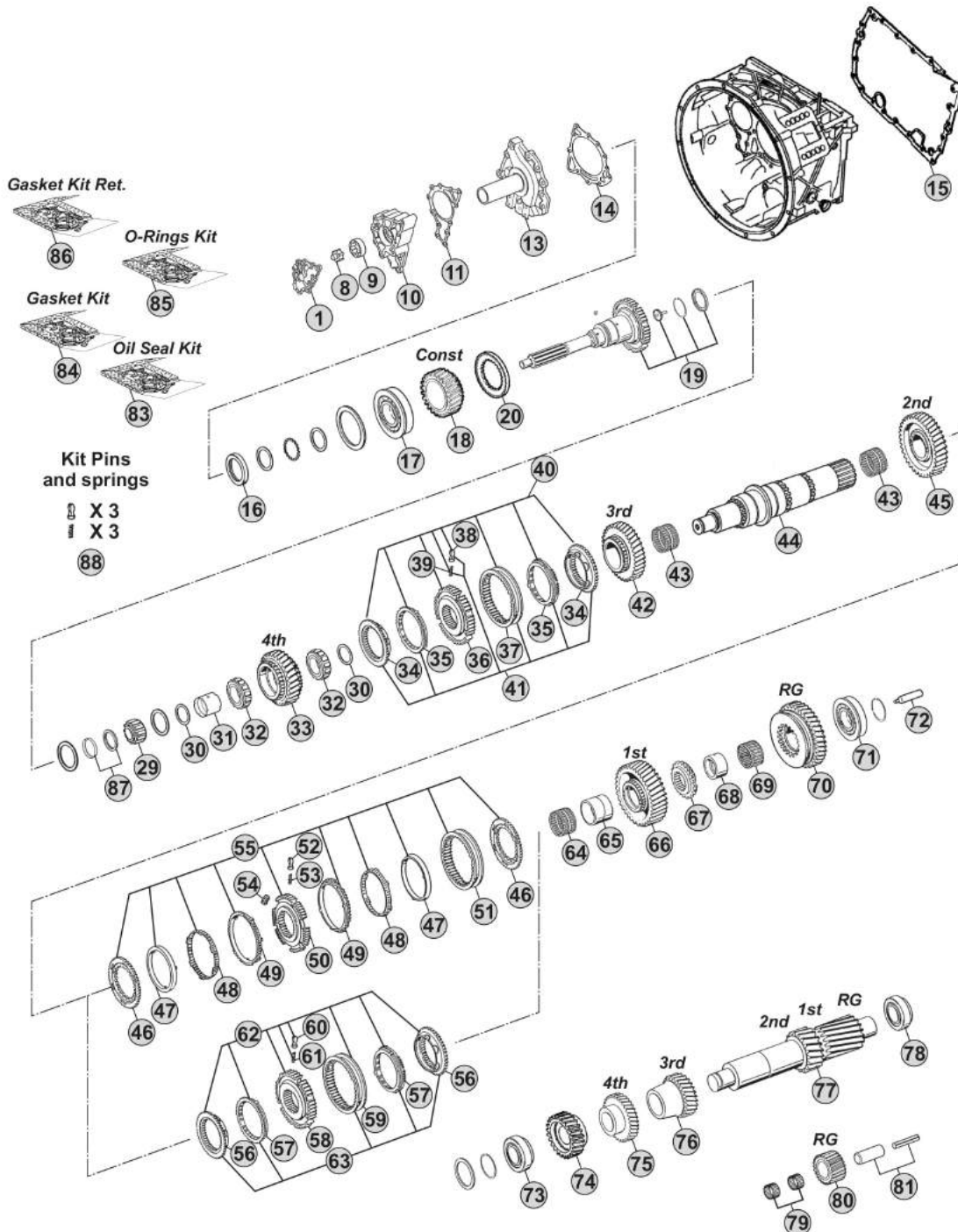
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Straight Teeth)



Notes

8S1820 R. 11,59-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851820				
51	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
52	160.189	1297 304 436	Pressure Piece	3	(30)	●				
53	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
54	156.176	1312 304 159	Slide	3	(30)	●				
55	198.969	1312 298 911	Synchro Kit	1	(30)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
59	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
60	160.189	1297 304 436	Pressure Piece	3		●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
62	298.020	1315 298 060	Synchro Kit	1	(32)	●				
63	298.286	1315 298 066	Synchro Kit	1	(32)	●				
63	298.287	1325 298 007	Synchro Kit	1	(33)	●				
63	196.440	1316 298 036	Synchro Kit	1	(34)	●				
64	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
65	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
67	109.144	1315 304 018	Engaging Ring	1		●				
68	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
69	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
70	147.123	1315 304 006	Reverse Gear 44 T	1		●				
71	130.309	0750 117 677	Bearing 80x130x36	1		●				
72	188.209	1312 304 150	Oil Tube	1		●				
73	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
74	146.473	1315 303 064	Constant Gear 32 T	1		●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
77	105.216	1315 303 063	Countershaft 17/20 T	1		●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.126	1315 305 011	Reverse Gear 22 T	1		●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1		●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1		●				
85	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
86	298.860	6085 298 013	Gasket Kit intarder	1		●				
87	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				

Date

02/2015

Notes

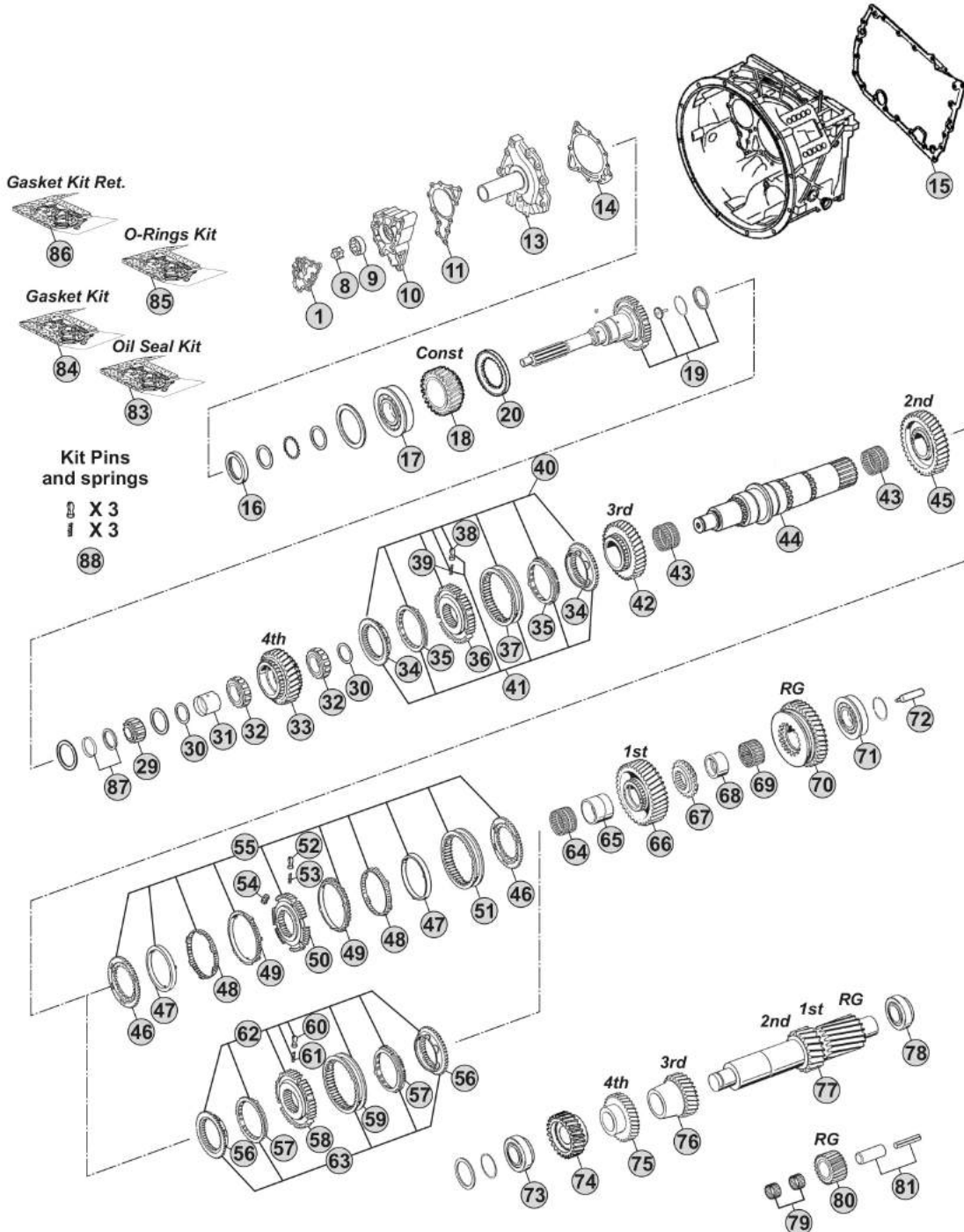
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Straight Teeth)



Notes

8S1820 R. 11,59-0,84

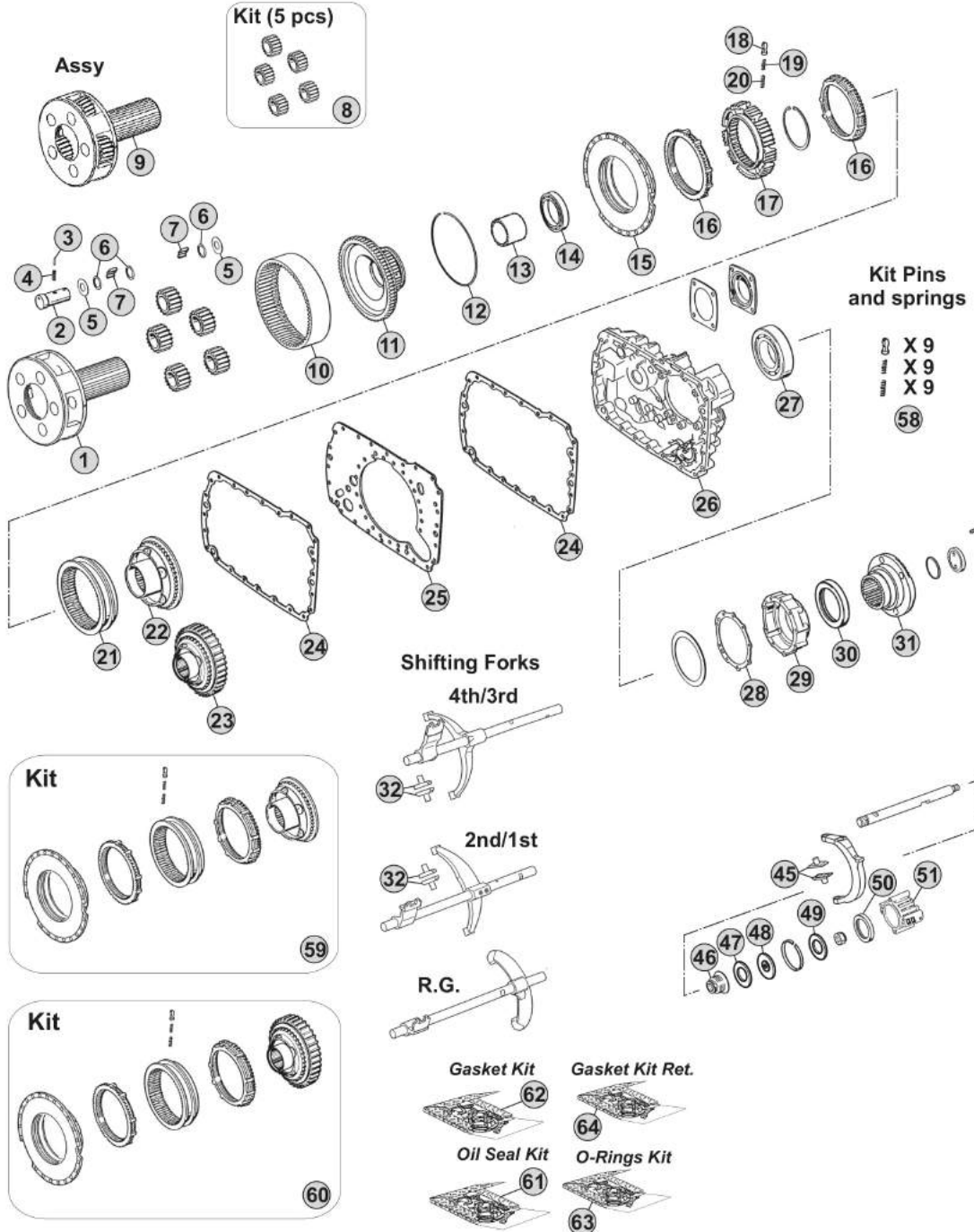
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Straight Teeth)

Planetary Carrier (GP)



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Notes

8S1820 R. 11,59-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851820			
1	190.393	1315 232 023	Planetary Carrier	1		●			
2	107.164	1296 332 005	Planetary pin	5		●			
3	160.195	0631 329 167	Lock Pin 3x26	5		●			
4	160.194	0631 329 051	Lock Pin 5x26	5		●			
5	169.759	0501 308 981	Thrust Washer	10		●			
6	169.744	0730 107 168	Spacer Ring	15		●			
7	171.046	0735 470 164	Roller D.10x15	140		●			
8	198.800	1313 232 003	Planetary Gear Set (5 pcs)	1		●			
9	298.865		Planetary Carrier	1		●			
10	123.208	1295 332 086	Crown Gear 86 T	1		●			
11	150.133	1313 332 020	Carrier Hub 86 T	1	(60)	●			
11	150.269	1315 332 087	Carrier Hub 86 T	1	(61)	●			
12	111.198	0730 505 056	Locking Wire	1		●			
13	119.255	1297 332 122	Intermediate Ring	1		●			
14	130.310	0750 116 165	Bearing 80x110x16	1		●			
15	298.017	1315 233 006	Synchronizer cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2		●			
16	119.172	1296 333 045	Synchronizer Ring	2		●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1	(60)	●			
22	109.775	1315 233 030	Synchronizer Cone (38 Spl.)	1	(61)	●			
23	196.353	1315 233 023	Synchronizer Cone 59 T(38 Spl.)	1	(60) With Retarder	●			
23	196.449	1315 233 031	Retarder gear (38 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1	W/out Retarder	●			
29	175.421	1315 231 004	Cover	1	With Retarder	●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.251	1313 338 002	Output Flange	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
31	197.255	1316 338 002	Output Flange	1	With Retarder	●			
32	141.163	1297 306 120	Sliding pad	2	Old Type	●			
32	141.168	1316 306 015	Sliding pad	2	New Type	●			
45	141.085	1296 334 004	Bronze Sliding Pad	2		●			

 NEW ECOSPLIT III
851820
Date

02/2015

Notes(60) Only for old version
(61) Only for new version

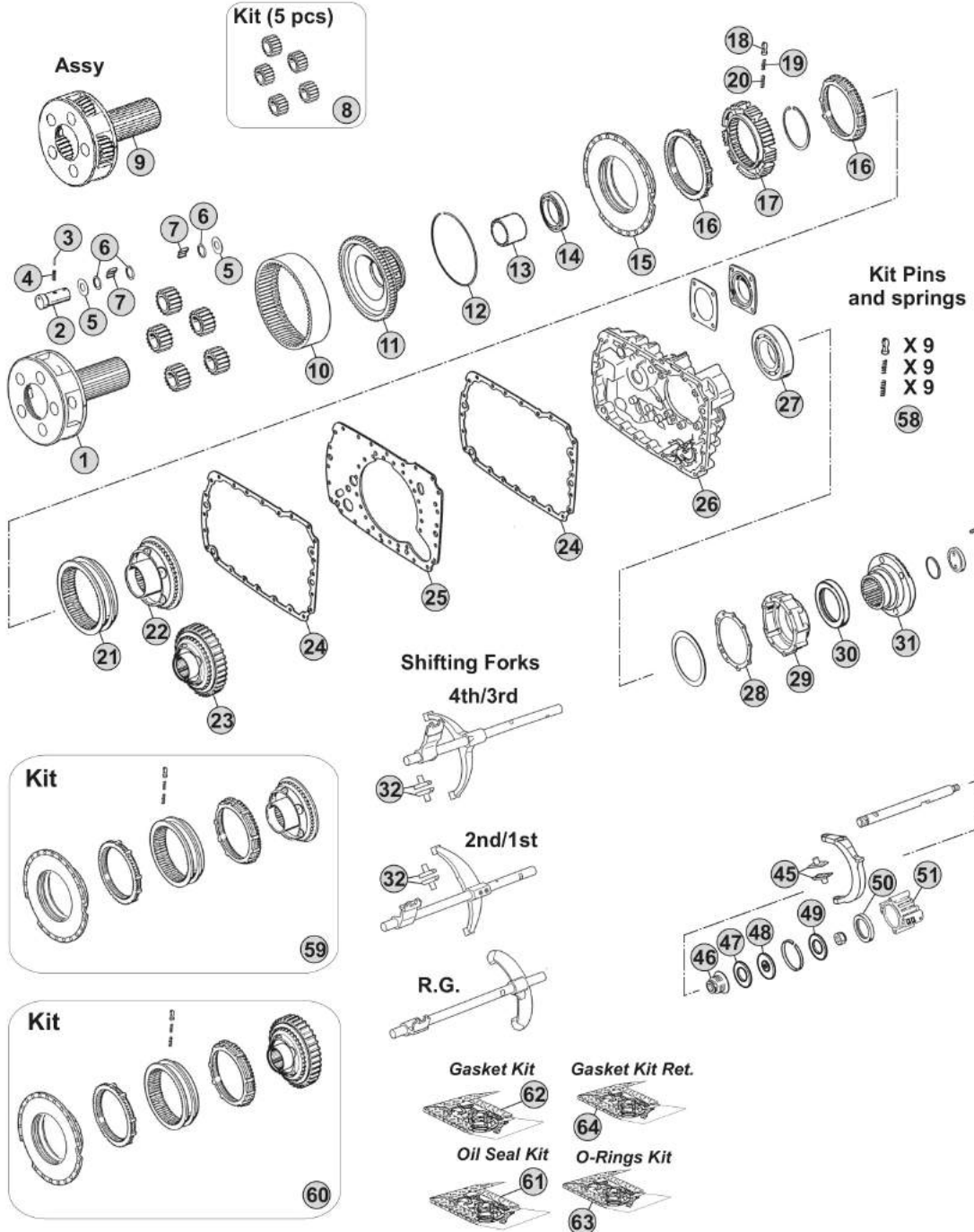
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Straight Teeth)

Planetary Carrier (GP)



Notes

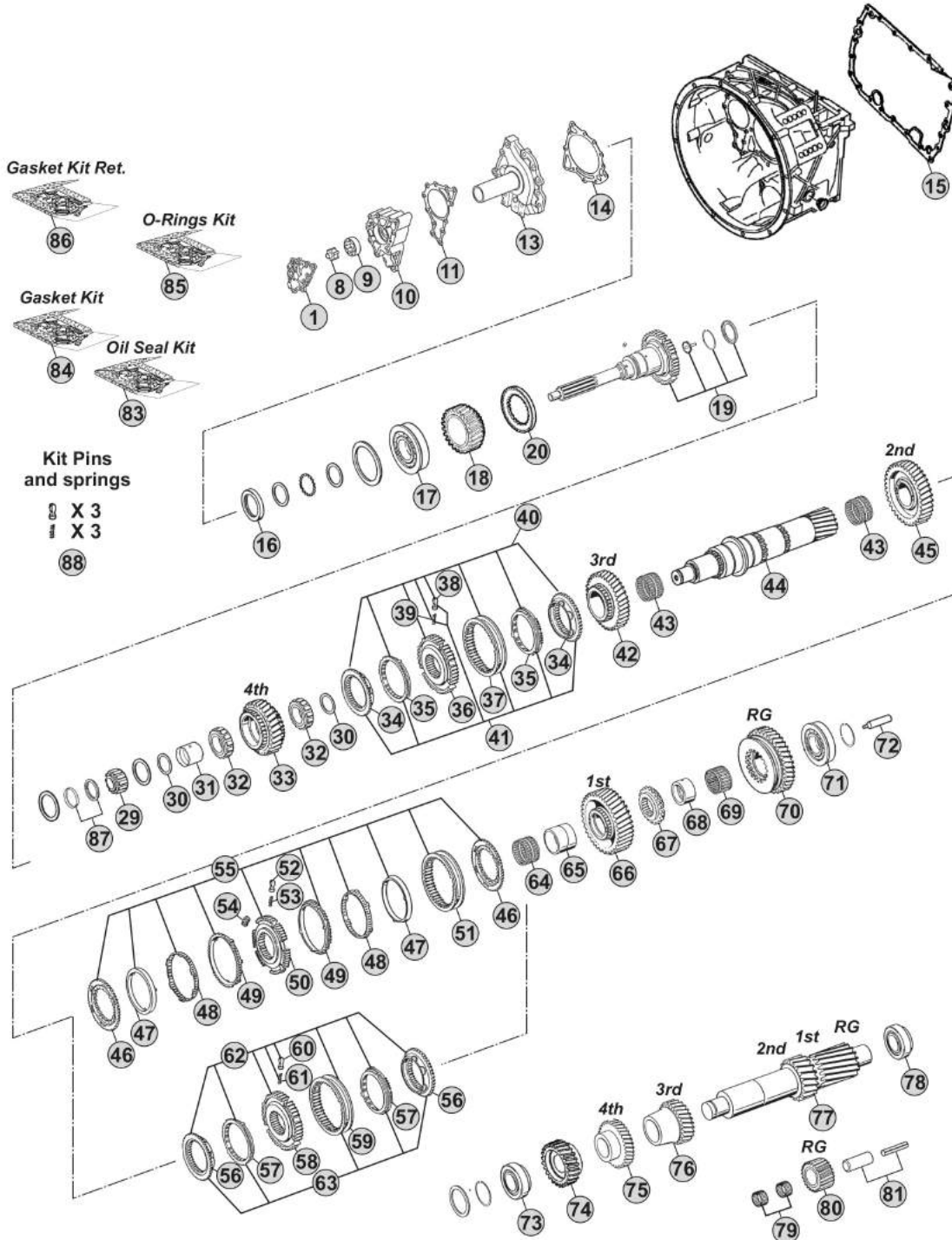
8S1820 R. 11,59-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Helical Teeth)



Notes

8S1820 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851820			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
8	189.679	1314 202 039	Oil Pump Shaft	1		●			
9	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
18	145.556	1315 302 158	Constant Gear 35 T	1		●			
19	190.304	1315 202 037	Input Shaft	1		●			
20		1315 302 185	Disk	1		●			
29	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
31	117.321	0750 119 125	Bush 67x77x54,1	1		●			
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
38	160.189	1297 304 436	Pressure Piece	3		●			
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
40	298.021	1315 298 061	Synchro Kit	1	(21)	●			
41	298.291	1315 298 067	Synchro Kit	1	(21)	●			
41	298.288	1325 298 008	Synchro Kit	1	(22)	●			
41	196.442	1316 298 037	Synchro Kit	1	(23)	●			
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
44	103.138	1315 304 131	Main Shaft Z 23	1		●			
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			

 NEW ECOSPLIT III
851820
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

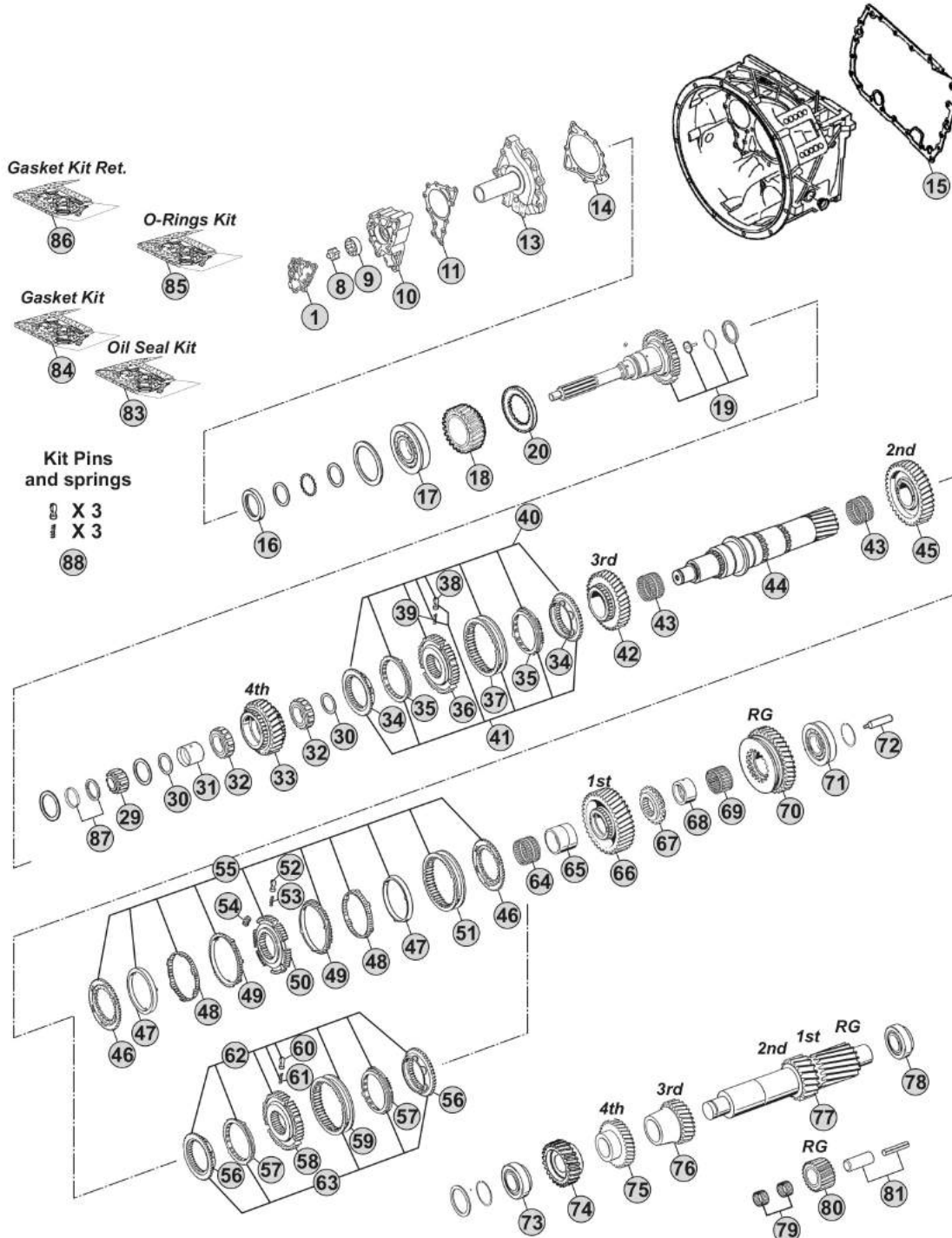
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Helical Teeth)



Notes

8S1820 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851820				
51	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
52	160.189	1297 304 436	Pressure Piece	3	(30)	●				
53	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
54	156.176	1312 304 159	Slide	3	(30)	●				
55	198.969	1312 298 911	Synchro Kit	1	(30)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
59	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
60	160.189	1297 304 436	Pressure Piece	3		●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
62	298.020	1315 298 060	Synchro Kit	1	(32)	●				
63	298.286	1315 298 066	Synchro Kit	1	(32)	●				
63	298.287	1325 298 007	Synchro Kit	1	(33)	●				
63	196.440	1316 298 036	Synchro Kit	1	(34)	●				
64	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
65	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
67	109.144	1315 304 018	Engaging Ring	1		●				
68	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
69	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
70	147.123	1315 304 006	Reverse Gear 44 T	1		●				
71	130.309	0750 117 677	Bearing 80x130x36	1		●				
72	188.209	1312 304 150	Oil Tube	1		●				
73	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
74	146.473	1315 303 064	Constant Gear 32 T	1		●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
77	105.216	1315 303 063	Countershaft 17/20 T	1		●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.126	1315 305 011	Reverse Gear 22 T	1		●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1	Paper	●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
85	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
86	298.860	6085 298 013	Gasket Kit intarder	1		●				
87	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				

Date

02/2015

Notes

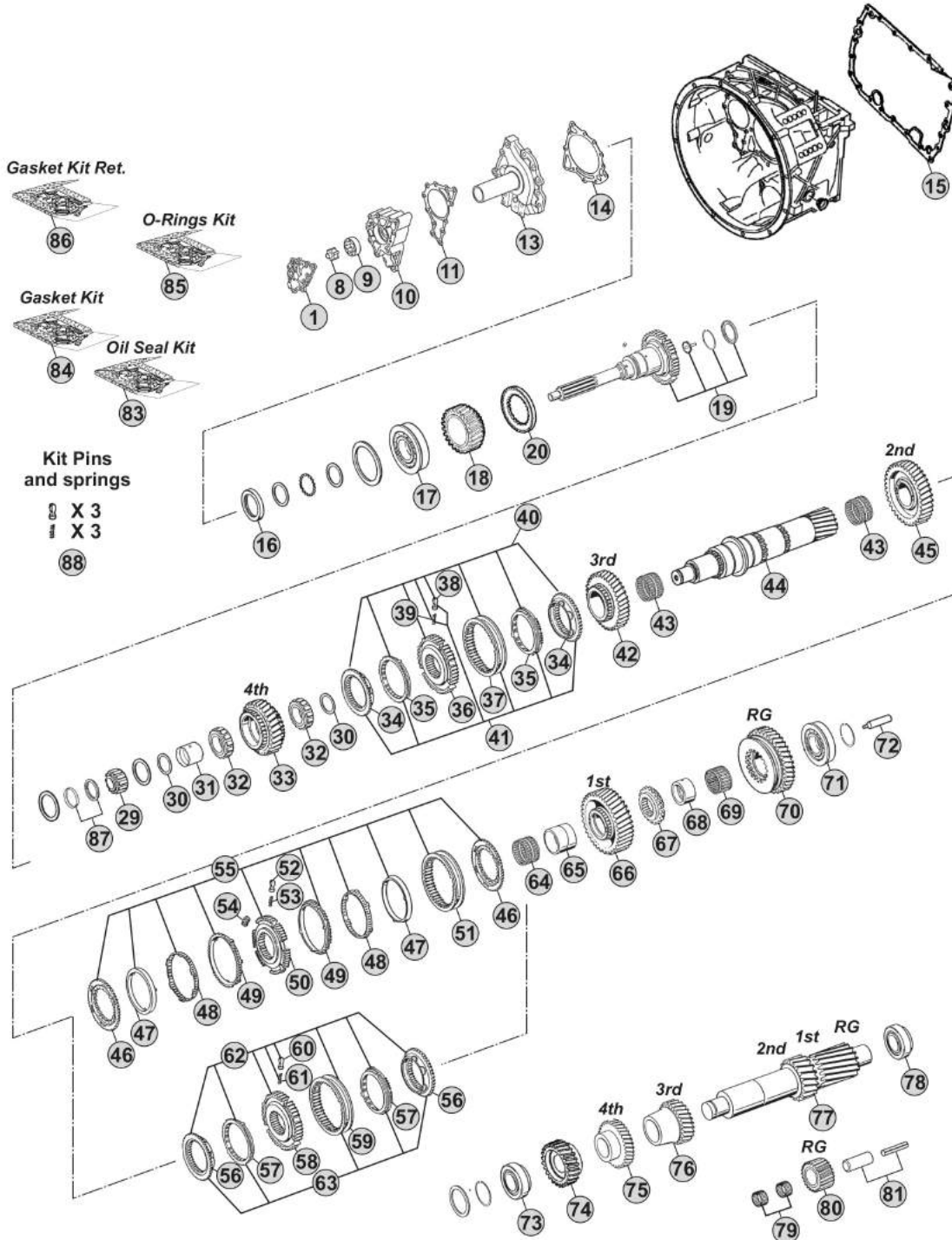
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Helical Teeth)



Notes

8S1820 R. 11,54-0,84

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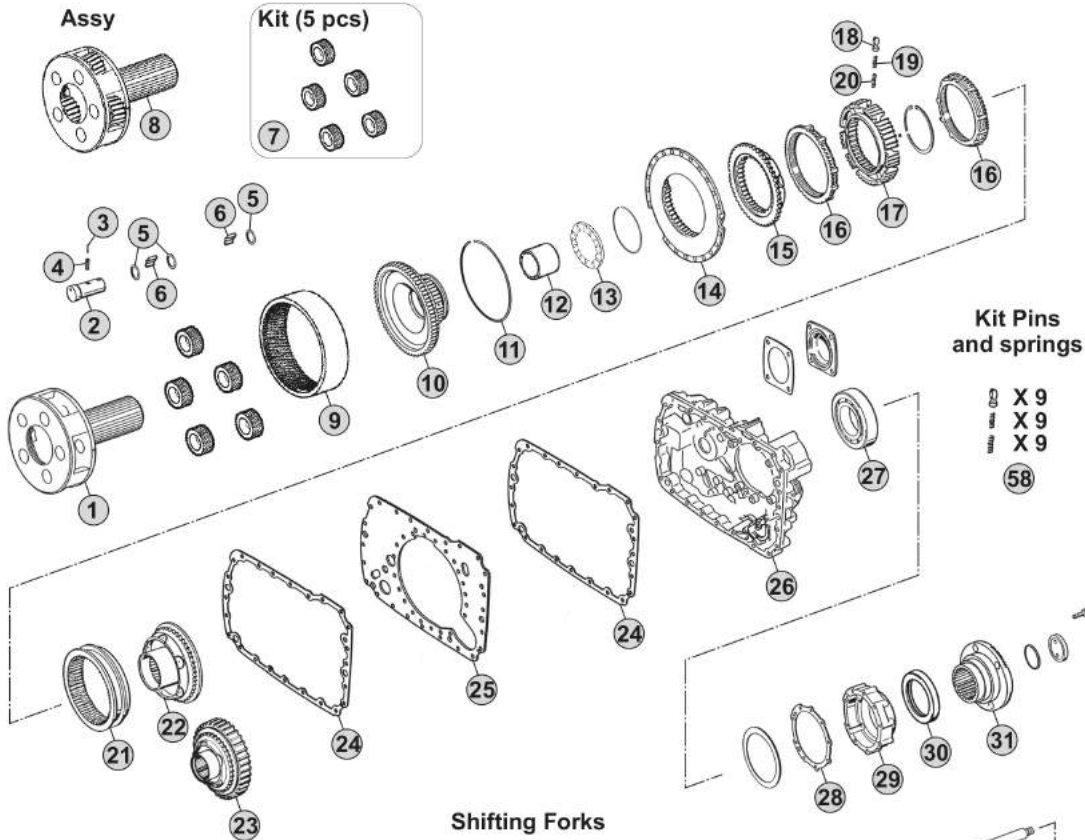
MODELS:

- NEW ECOSPLIT III

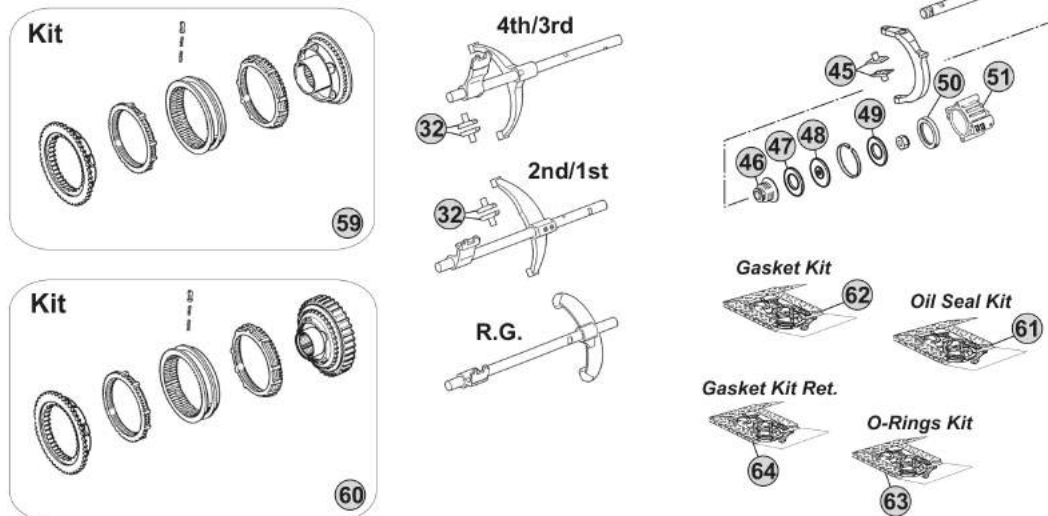
VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Helical Teeth)

Planetary Carrier (GP)



Shifting Forks



Notes

8S1820 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851820				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

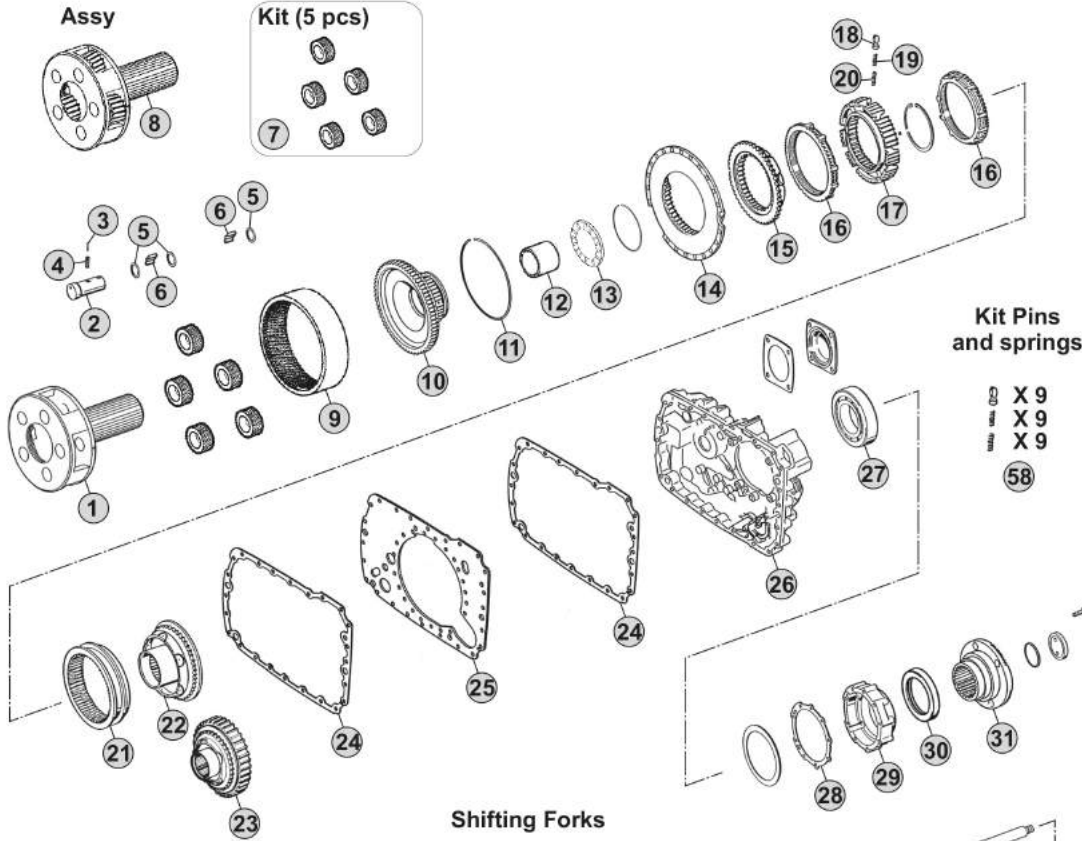
MODELS:

- NEW ECOSPLIT III

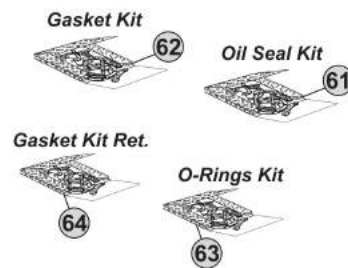
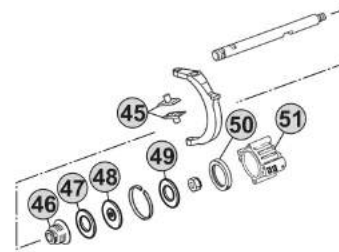
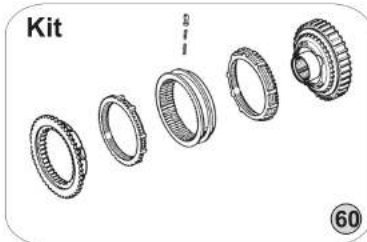
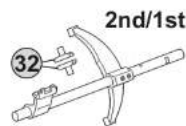
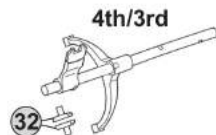
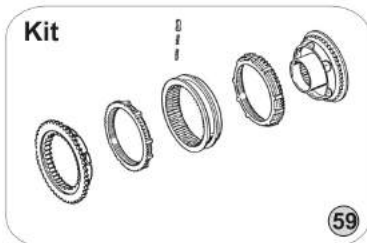
VERSIONS:

- 8S1820 (1341 xxx xxx)
(GP Helical Teeth)

Planetary Carrier (GP)



Shifting Forks



Notes

8S1820 R. 11,54-0,84

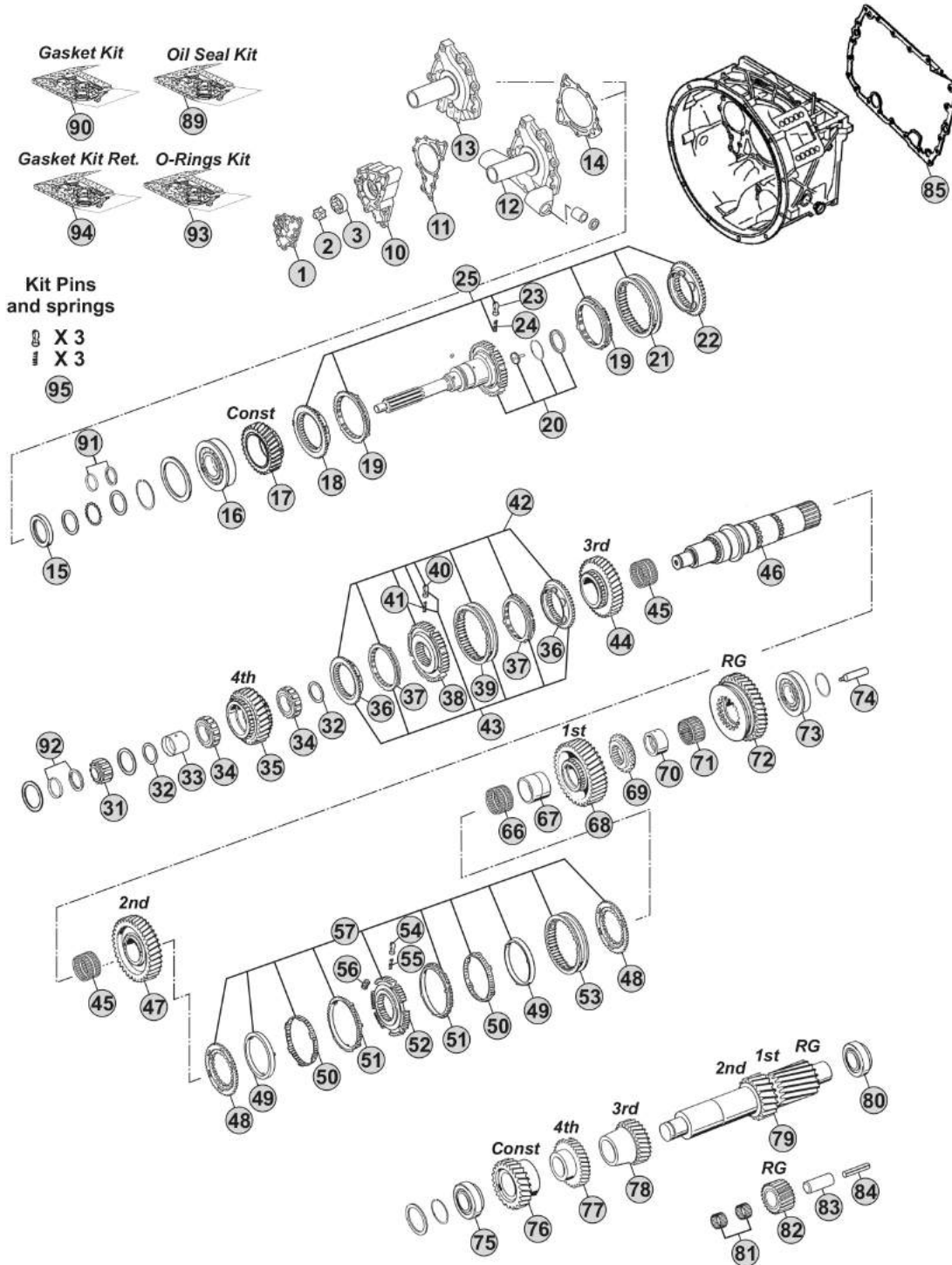
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Straight Teeth)



Notes

16S1820 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1820			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.556	1315 302 158	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.304	1315 202 037	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.321	0750 119 125	Bush 67x77x54,1	1		●			
34	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
35	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			

 NEW ECOSPLIT III
16S1820
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

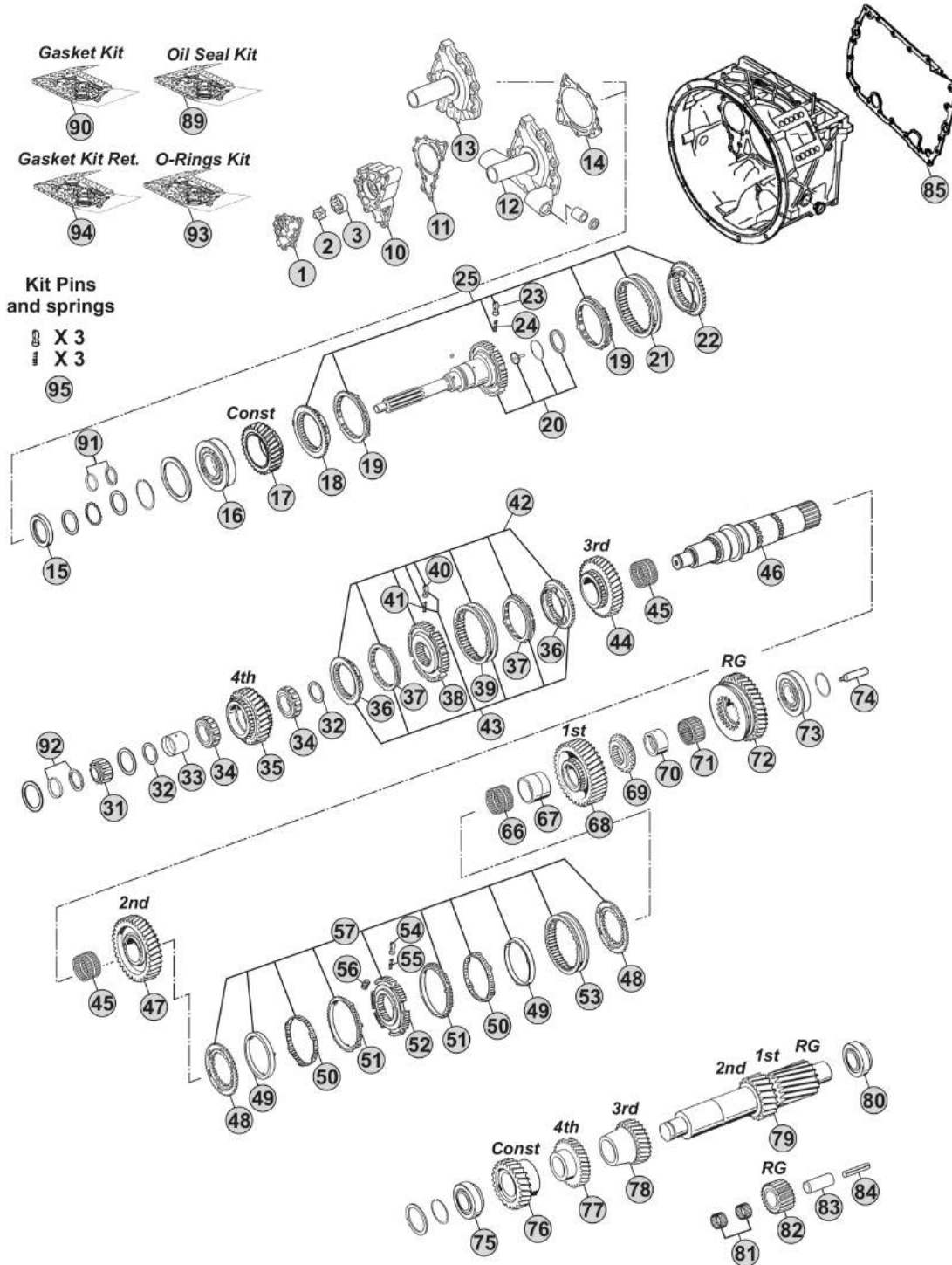
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Straight Teeth)



Notes

16S1820 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1820				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.135	1315 304 130	Main Shaft 23 T	1		●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
66	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
67	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
69	109.144	1315 304 018	Engaging Ring	1		●				
70	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
71	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
72	147.123	1315 304 006	Reverse Gear 44 T	1		●				
73	130.309	0750 117 677	Bearing 80x130x36	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.473	1315 303 064	Constant Gear 32 T	1		●				
77	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
78	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
79	105.216	1315 303 063	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
82	147.126	1315 305 011	Reverse Gear 22 T	1		●				
83	190.302	1315 305 009	Reverse Shaft	1		●				
84	160.290	0631 329 294	Pin	1		●				
85	139.854	1315 301 233	Gasket	1		●				
89	198.838	1315 298 002	Oil Seal Kit	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

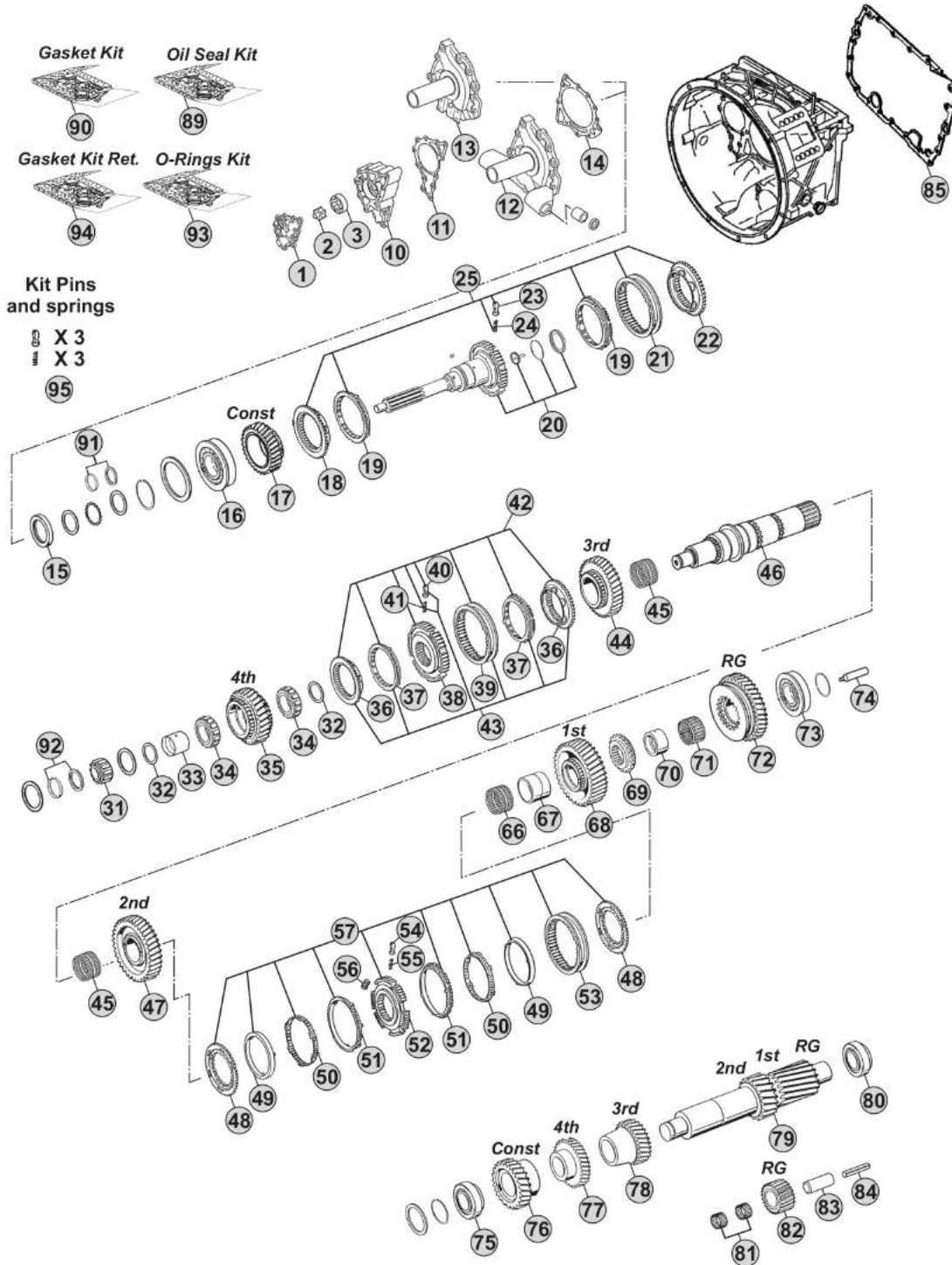
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Straight Teeth)



Notes

16S1820 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1820			
1	190.393	1315 232 023	Planetary Carrier	1		●			
2	107.164	1296 332 005	Planetary pin	5		●			
3	160.195	0631 329 167	Lock Pin 3x26	5		●			
4	160.194	0631 329 051	Lock Pin 5x26	5		●			
5	169.759	0501 308 981	Thrust Washer	10		●			
6	169.744	0730 107 168	Spacer Ring	15		●			
7	171.046	0735 470 164	Roller D.10x15	140		●			
8	198.800	1313 232 003	Planetary Gear Set (5 pcs)	1		●			
9	298.865		Planetary Carrier	1		●			
10	123.208	1295 332 086	Crown Gear 86 T	1		●			
11	150.133	1313 332 020	Carrier Hub 86 T	1	(60)	●			
11	150.269	1315 332 087	Carrier Hub 86 T	1	(61)	●			
12	111.198	0730 505 056	Locking Wire	1		●			
13	119.255	1297 332 122	Intermediate Ring	1		●			
14	130.310	0750 116 165	Bearing 80x110x16	1		●			
15	298.017	1315 233 006	Synchronizer cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1	(60)	●			
22	109.775	1315 233 030	Synchronizer Cone (38 Spl.)	1	(61)	●			
23	196.353	1315 233 023	Synchronizer Cone 59 T(38 Spl.)	1	(60) With Retarder	●			
23	196.449	1315 233 031	Retarder gear (38 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1	W/out Retarder	●			
29	175.421	1315 231 004	Cover	1	W/out Retarder	●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.251	1313 338 002	Output Flange	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
31	197.255	1316 338 002	Output Flange	1	With Retarder	●			
32	141.163	1297 306 120	Sliding pad	6	Old Type	●			
32	141.168	1316 306 015	Sliding pad	6	New Type	●			
33	139.655	0750 112 253	Cap Collar D.25x40x15	1		●			

 NEW ECOSPLIT III
16S1820
Date

02/2015

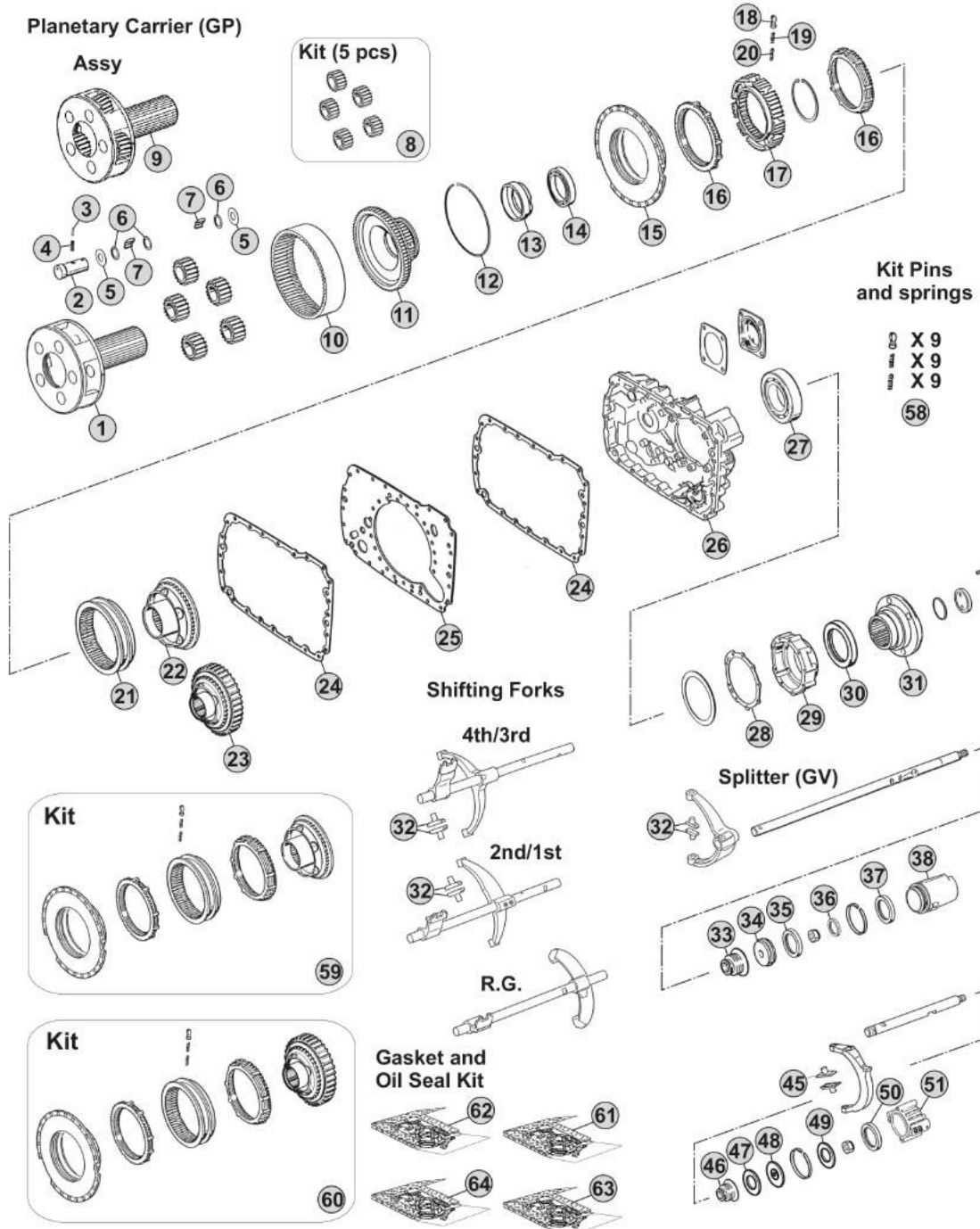
Notes(60) Only for old version
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Straight Teeth)



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Notes

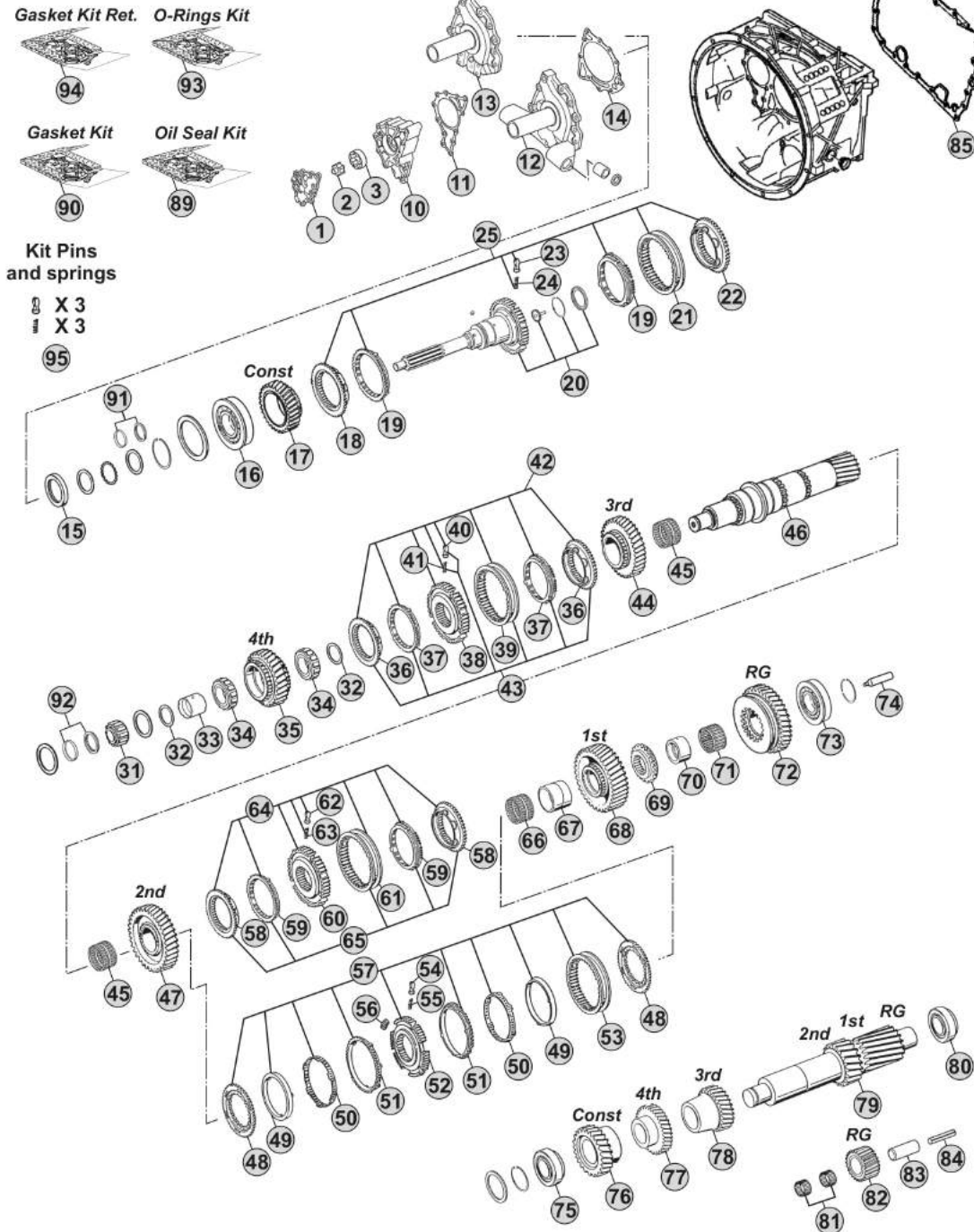
16S1820 R.13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Helical Teeth)



Notes

16S1820 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1820			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.556	1315 302 158	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.304	1315 202 037	Input Shaft	1		●			
20	190.506	1315 202 038	Input shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.321	0750 119 125	Bush 67x77x54,1	1		●			
34	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
35	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			

 NEW ECOSPLIT III
16S1820
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

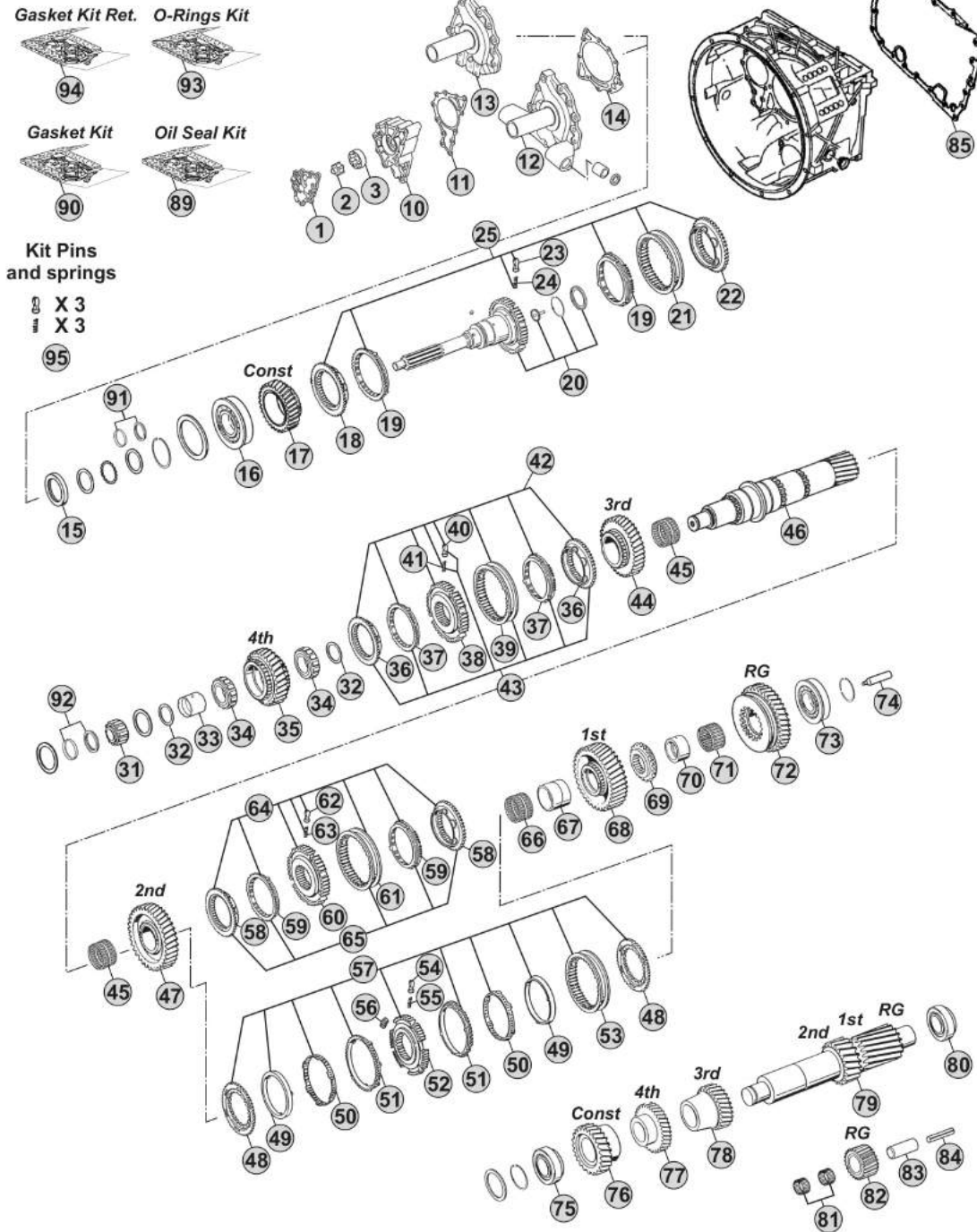
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Helical Teeth)



Notes

16S1820 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1820				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3	(21-22-23)	●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3	(21-22-23)	●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.138	1315 304 131	Main Shaft Z 23	1		●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3	(32-33-34)	●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3	(32-33-34)	●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
67	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
69	109.144	1315 304 018	Engaging Ring	1		●				
70	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
71	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
72	147.123	1315 304 006	Reverse Gear 44 T	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

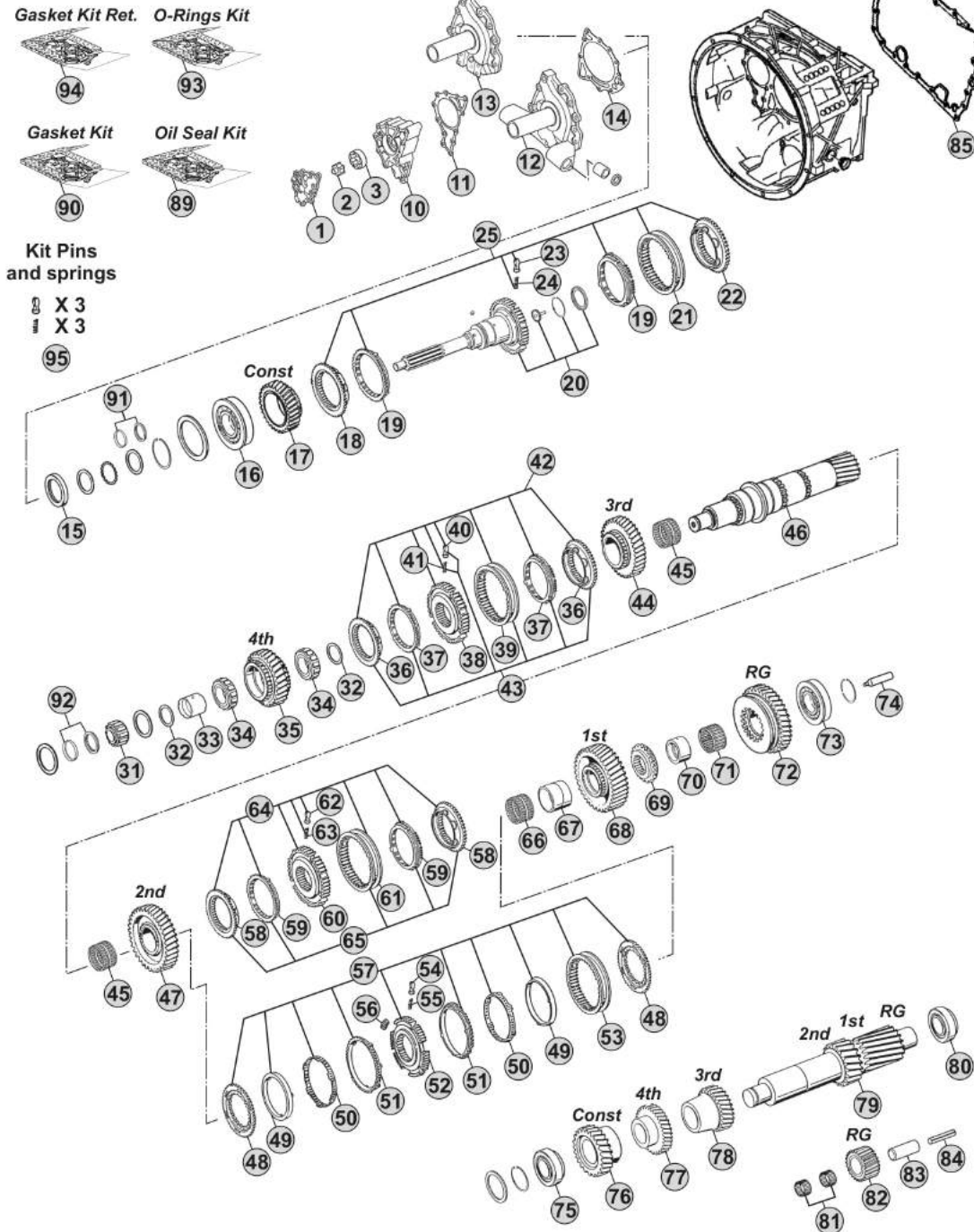
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Helical Teeth)



Notes

16S1820 R.13,80-0,84

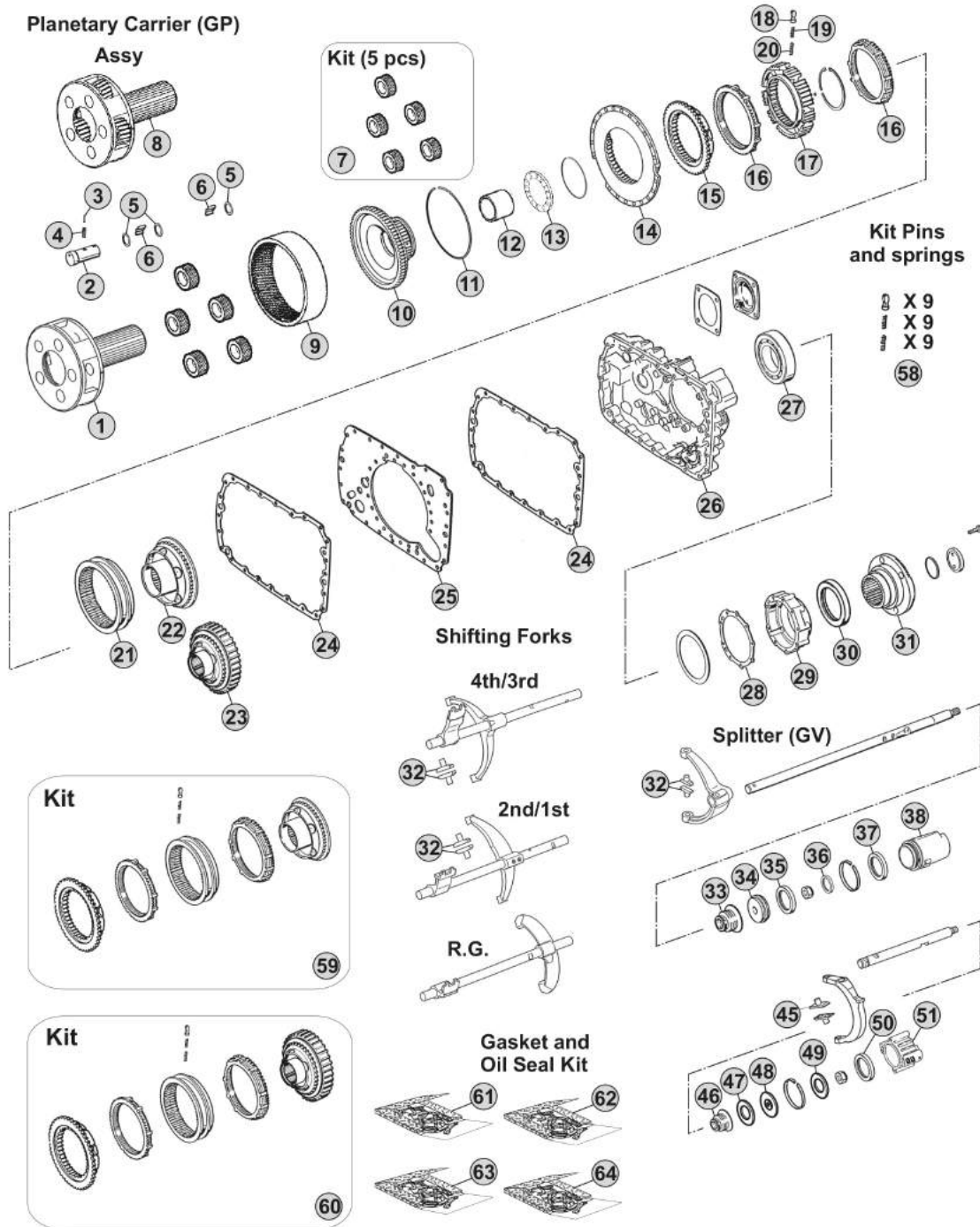
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Helical Teeth)



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Notes

16S1820 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1820			
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●			
2	107.159	1315 332 053	Planerary pin	5	(70)	●			
2	107.255	1315 332 091	Planerary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	169.744	0730 107 168	Spacer Ring	15		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●			
8	298.862		Planetary Carrier Assy	1	(71)	●			
9	123.211	1315 332 041	Crown Gear 82 T	1		●			
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
11	111.426	0730 513 583	Locking Wire	1		●			
12	119.256	1316 333 014	Intermediate Ring	1		●			
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
14	135.122	1296 333 046	Saddle Plate	1		●			
15	109.174	1296 333 050	Synchronizer Cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●			
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1		●			
29	175.421	1315 231 004	Cover	1		●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
31		1316 332 125	Output Flange	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

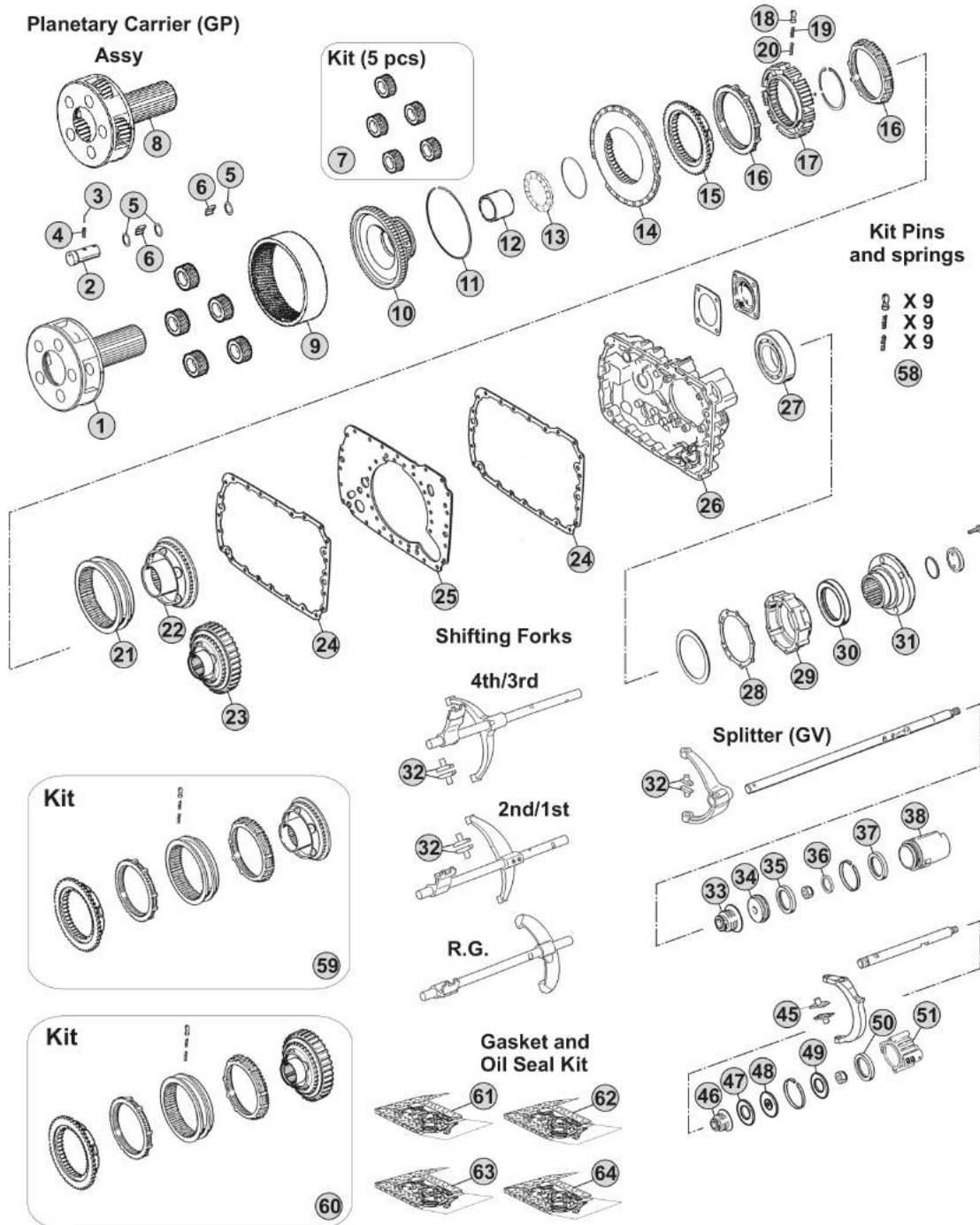
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1820 (1341 xxx xxx) (GP Helical Teeth)



Notes

16S1820 R.13,80-0,84

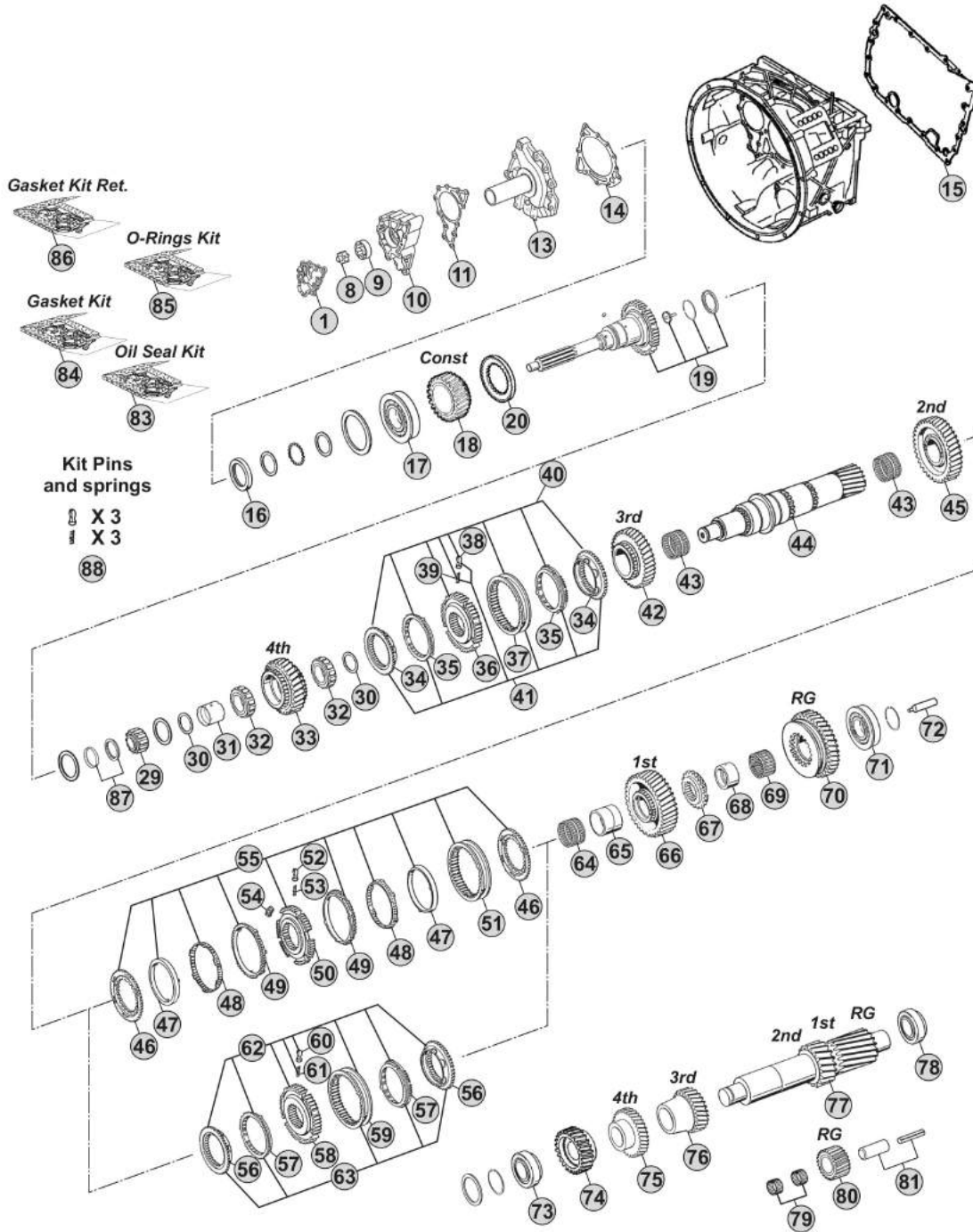
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1821 (1341 xxx xxx)



Notes

8S1821 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851821			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
8	189.679	1314 202 039	Oil Pump Shaft	1		●			
9	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
18	145.556	1315 302 158	Constant Gear 35 T	1		●			
19	190.304	1315 202 037	Input Shaft	1		●			
20		1315 302 185	Disk	1		●			
29	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
31	117.321	0750 119 125	Bush 67x77x54,1	1		●			
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
38	160.189	1297 304 436	Pressure Piece	3		●			
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
40	298.021	1315 298 061	Synchro Kit	1	(21)	●			
41	298.291	1315 298 067	Synchro Kit	1	(21)	●			
41	298.288	1325 298 008	Synchro Kit	1	(22)	●			
41	196.442	1316 298 037	Synchro Kit	1	(23)	●			
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●			
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●			
44	103.138	1315 304 131	Main Shaft Z 23	1		●			
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●			
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			

NEW ECOSPLIT III
851821

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

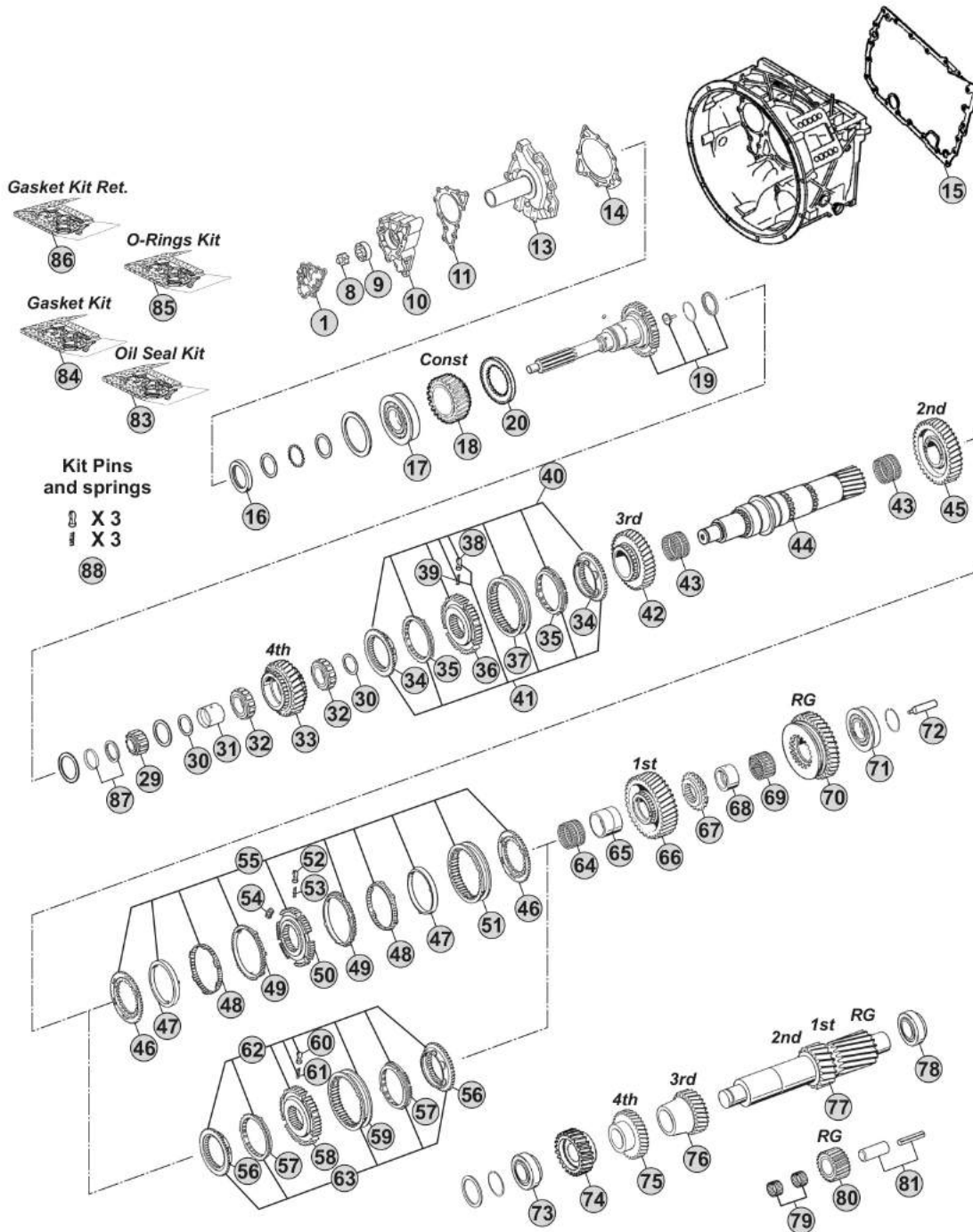
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1821 (1341 xxx xxx)



Notes

8S1821 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851821				
51	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
52	160.189	1297 304 436	Pressure Piece	3	(30)	●				
53	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
54	156.176	1312 304 159	Slide	3	(30)	●				
55	198.969	1312 298 911	Synchro Kit	1	(30)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
59	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
60	160.189	1297 304 436	Pressure Piece	3		●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
62	298.020	1315 298 060	Synchro Kit	1	(32)	●				
63	298.286	1315 298 066	Synchro Kit	1	(32)	●				
63	298.287	1325 298 007	Synchro Kit	1	(33)	●				
63	196.440	1316 298 036	Synchro Kit	1	(34)	●				
64	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
65	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
67	109.144	1315 304 018	Engaging Ring	1		●				
68	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
69	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
70	147.123	1315 304 006	Reverse Gear 44 T	1		●				
71	130.309	0750 117 677	Bearing 80x130x36	1		●				
72	188.209	1312 304 150	Oil Tube	1		●				
73	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
74	146.473	1315 303 064	Constant Gear 32 T	1		●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
77	105.216	1315 303 063	Countershaft 17/20 T	1		●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.126	1315 305 011	Reverse Gear 22 T	1		●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1	Paper	●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
85	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
86	298.860	6085 298 013	Gasket Kit intarder	1		●				
87	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				

Date

02/2015

Notes

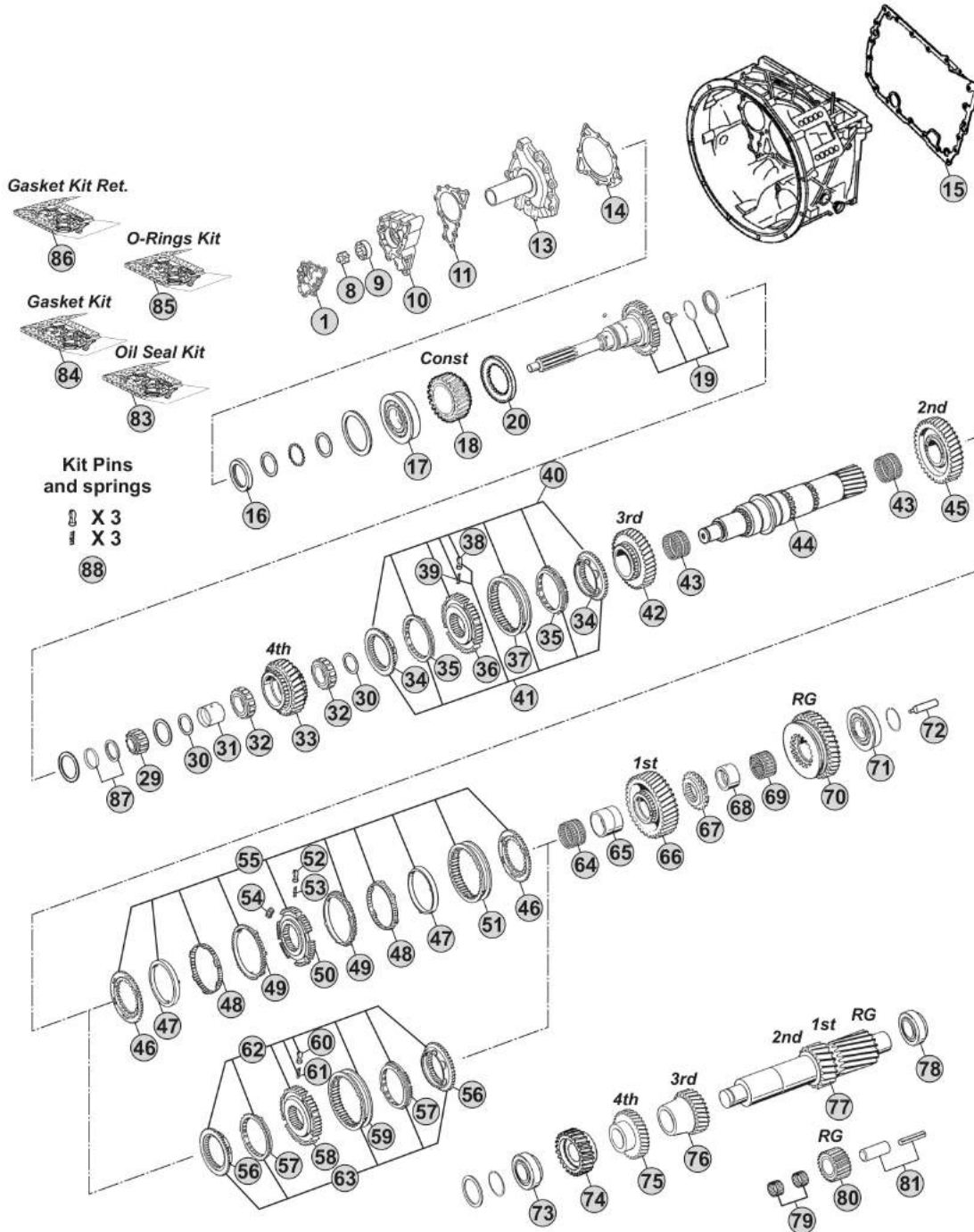
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1821 (1341 xxx xxx)



Notes

8S1821 R. 11,54-0,84

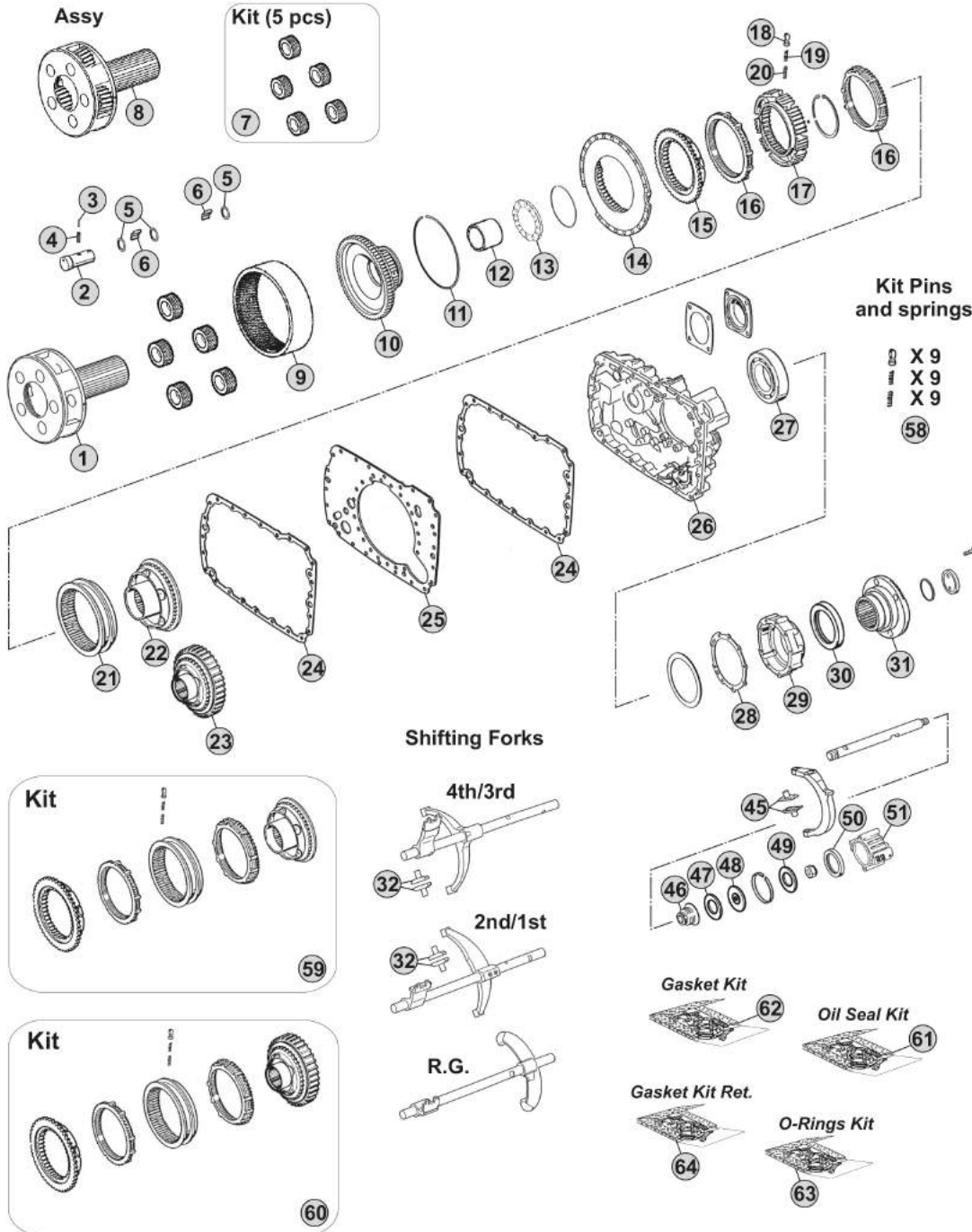
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1821 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

8S1821 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851821				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

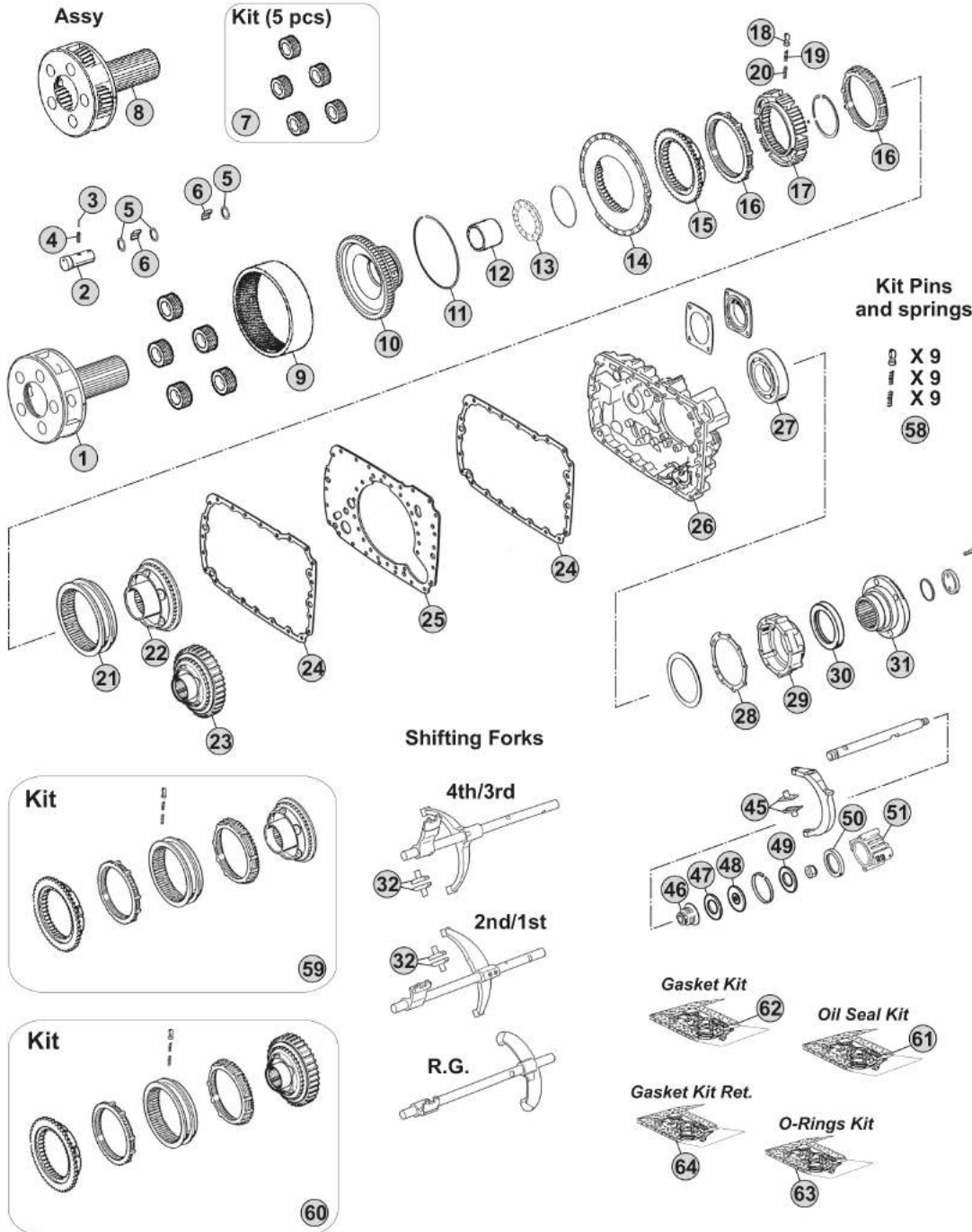
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1821 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

8S1821 R. 11,54-0,84

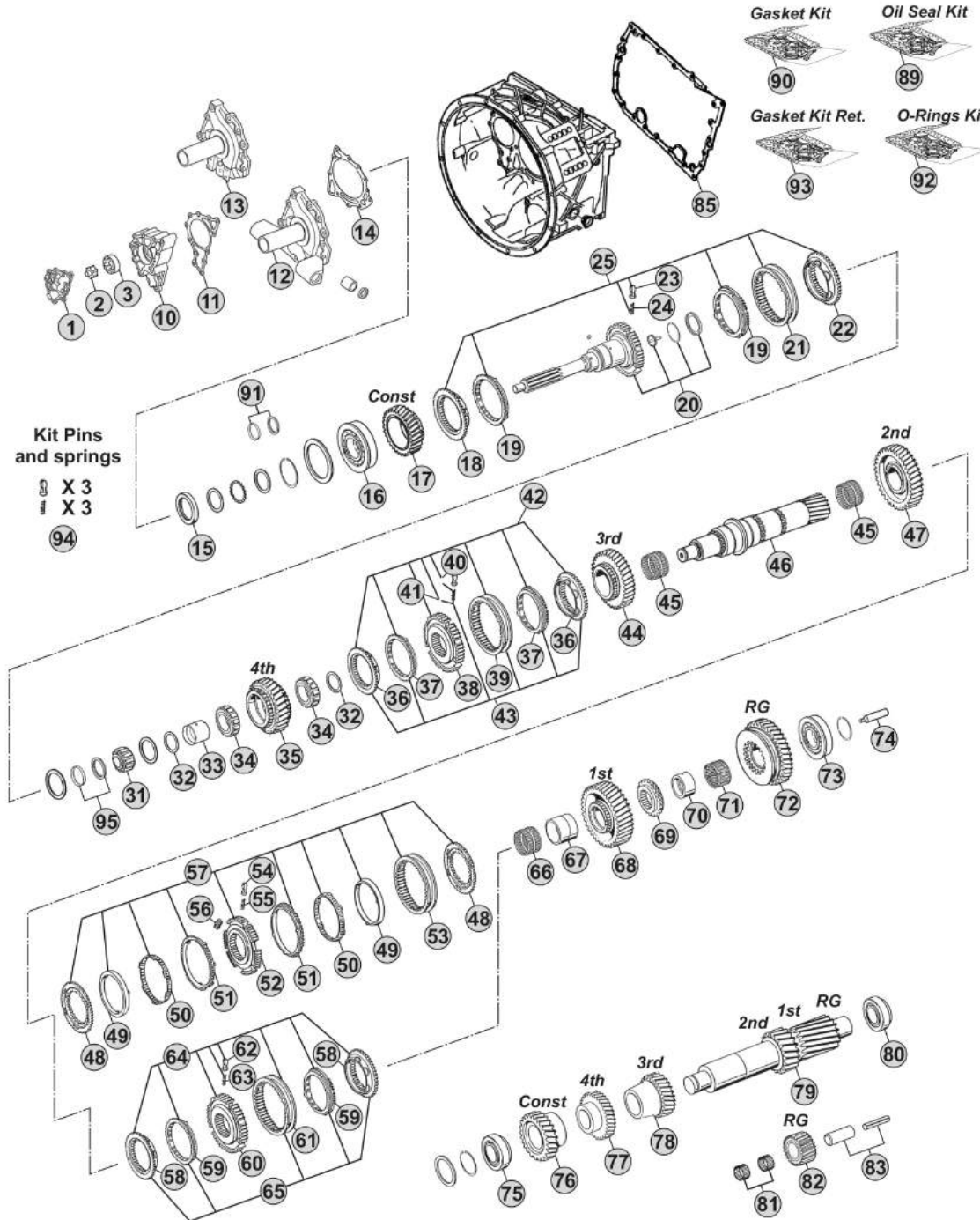
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1821 (1341 xxx xxx)



Notes

16S1821 R.13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1821			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.556	1315 302 158	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.304	1315 202 037	Input Shaft	1		●			
20	190.506	1315 202 038	Input shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.321	0750 119 125	Bush 67x77x54,1	1		●			
34	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
35	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

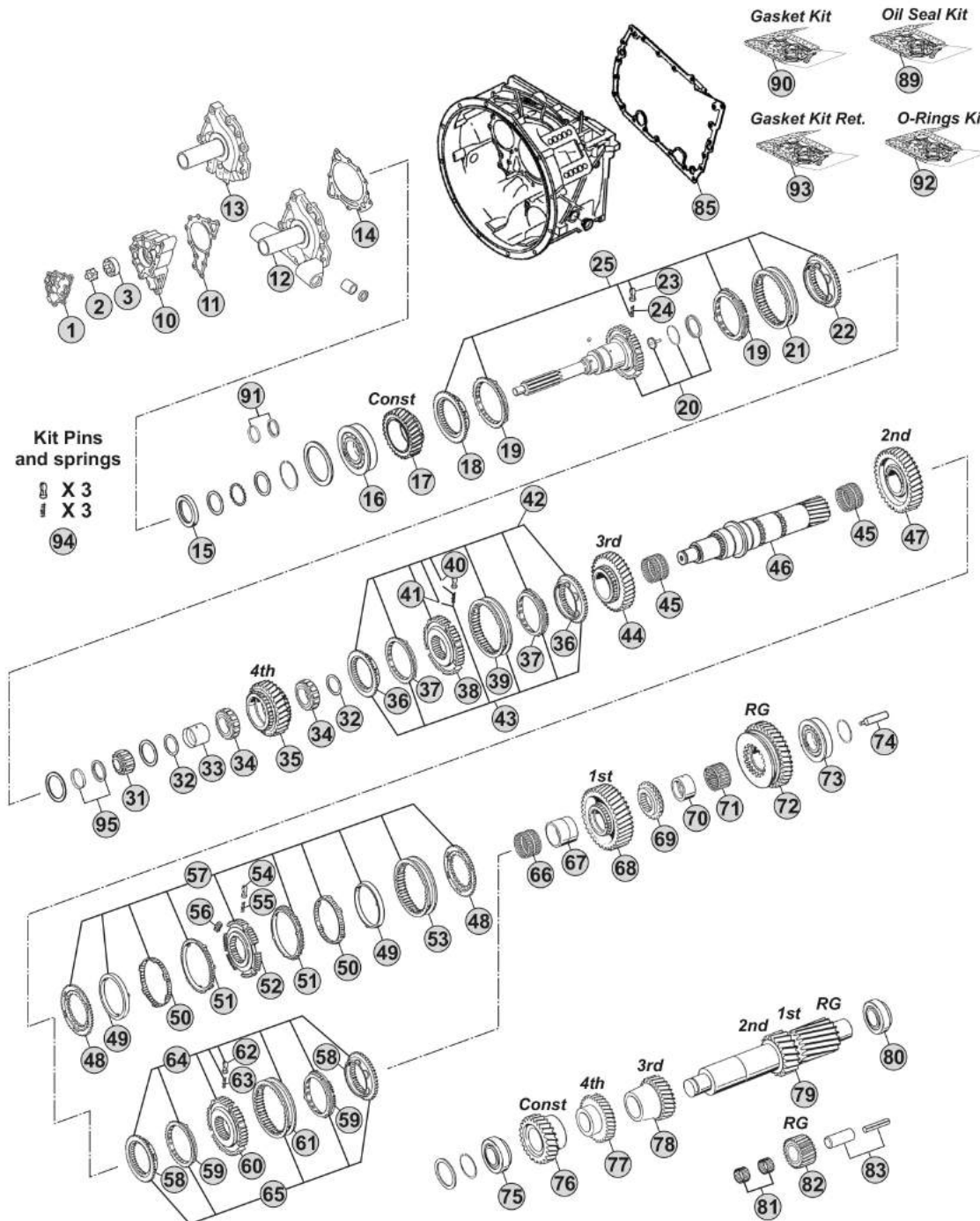
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1821 (1341 xxx xxx)



Notes

16S1821 R.13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1821				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.138	1315 304 131	Main Shaft Z 23	1		●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
67	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
69	109.144	1315 304 018	Engaging Ring	1		●				
70	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
71	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
72	147.123	1315 304 006	Reverse Gear 44 T	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

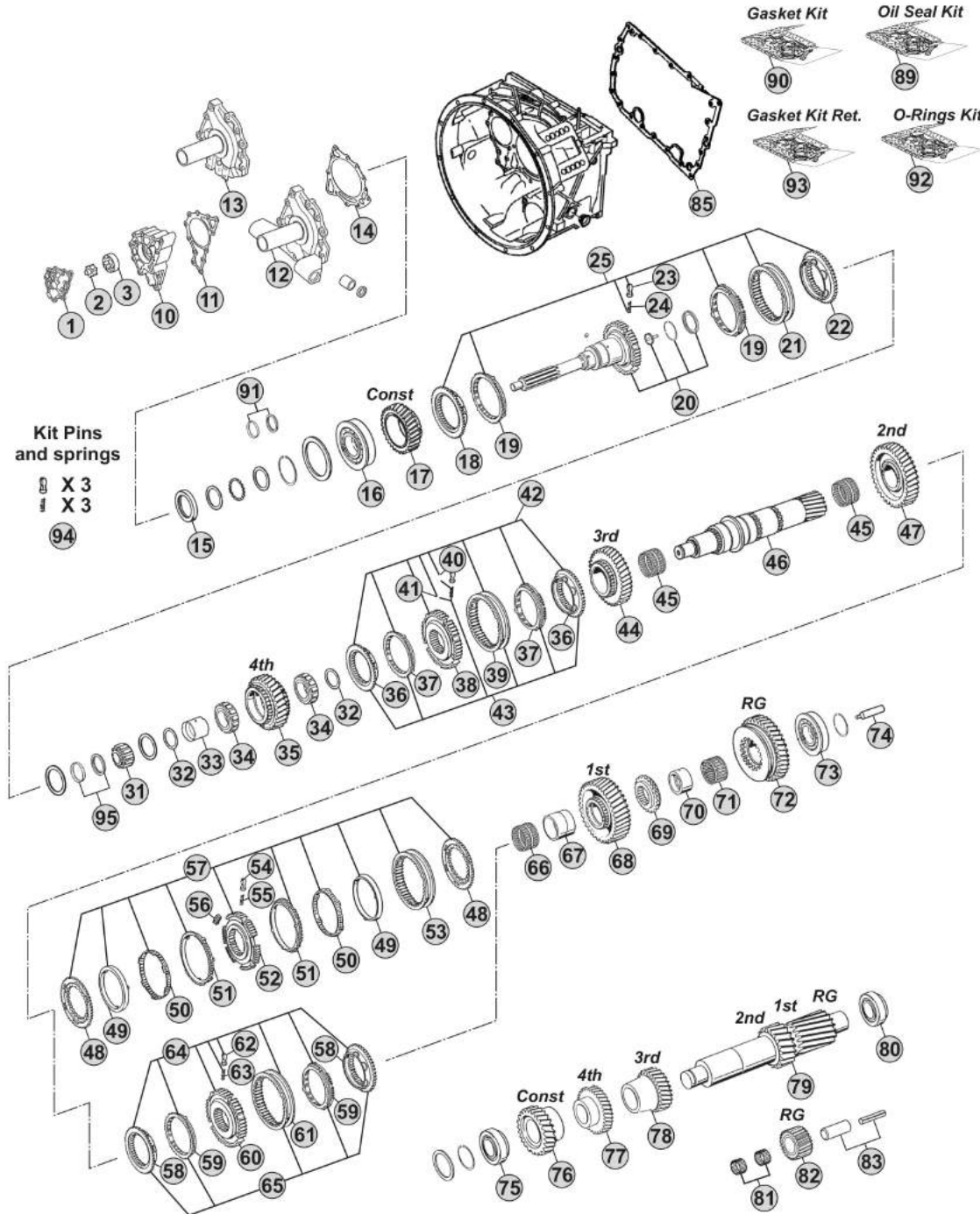
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1821 (1341 xxx xxx)



Notes

16S1821 R.13,80-0,84

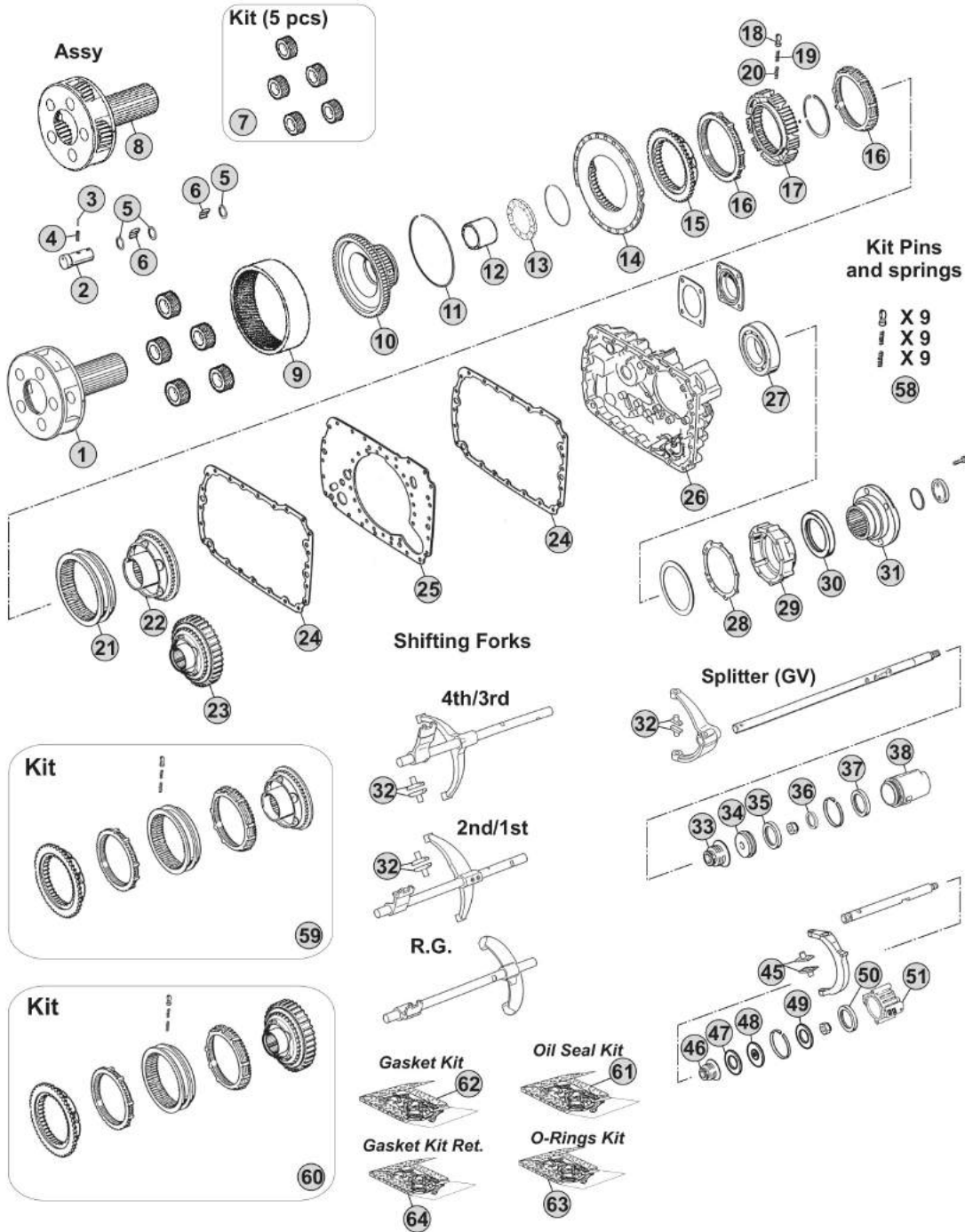
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1821 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

16S1821 R.13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1821				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31		1316 332 125	Output Flange	1		●				

 NEW ECOSPLIT III
16S1821
Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

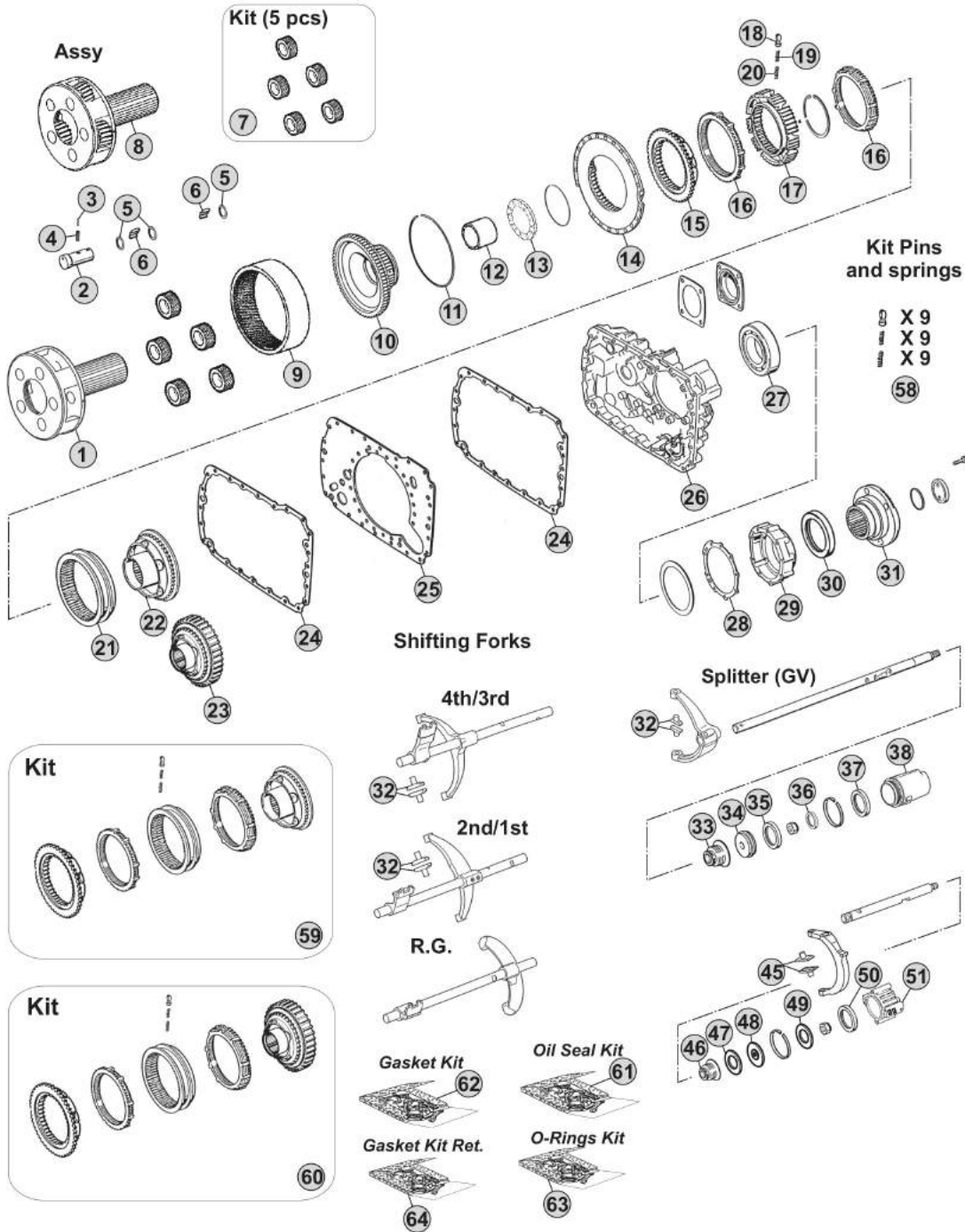
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1821 (1341 xxx xxx)

Planetary Carrier (GP)



Notes

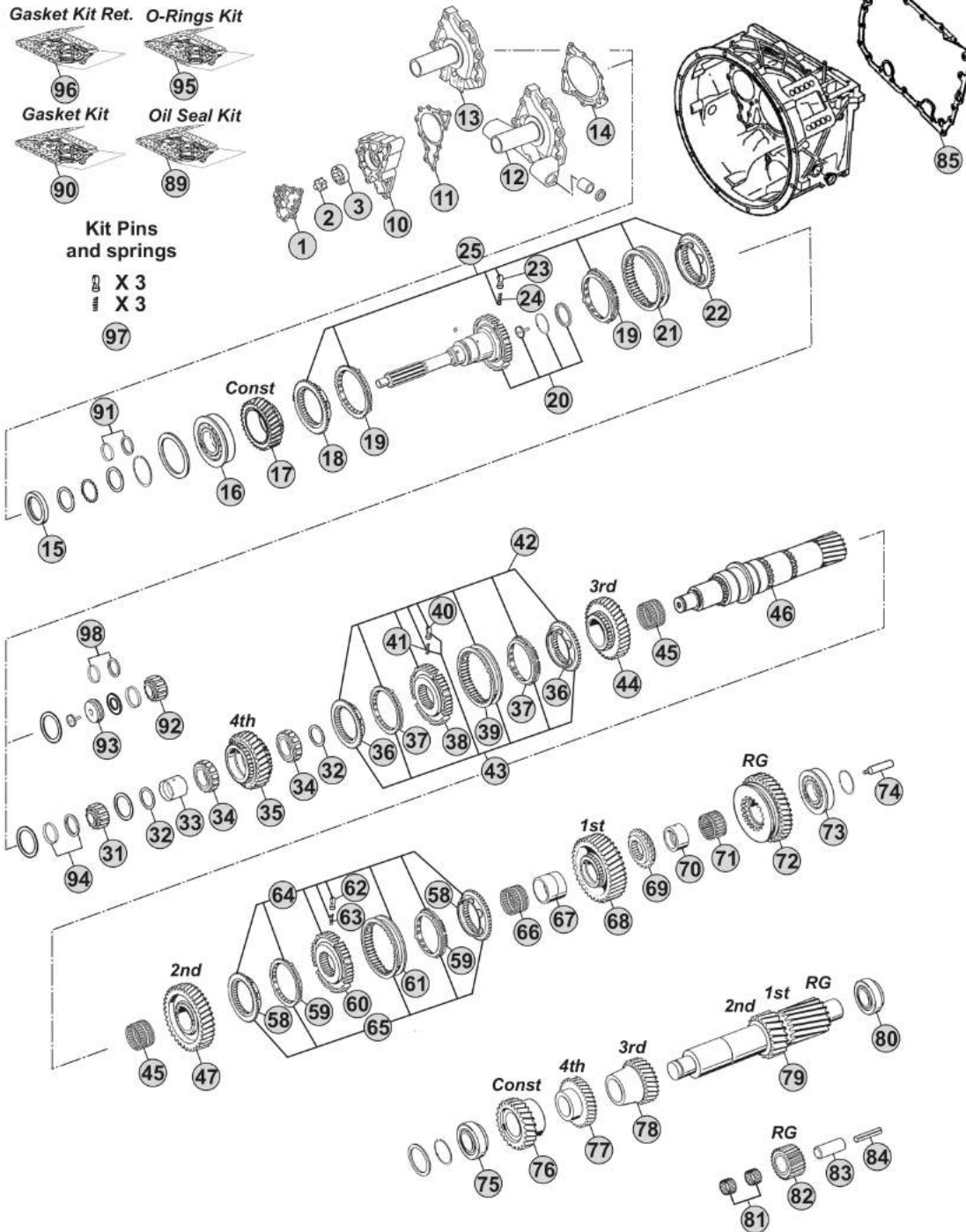
16S1821 R.13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1822 (1341 xxx xxx)



Notes

16S1822 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1822			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.556	1315 302 158	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.317	1315 221 002	Input Shaft	1	(90) W/NMV	●			
20	190.562	1315 221 004	Input Shaft	1	(90) W/NMV	●			
20	190.563	1315 321 020	Input Shaft	1	(91) W/NMV	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(90)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.321	0750 119 125	Bush 67x77x54,1	1		●			
34	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
35	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(90) To use with main shaft 1315 304 131

(91) To use with main shaft 1315 304 143

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

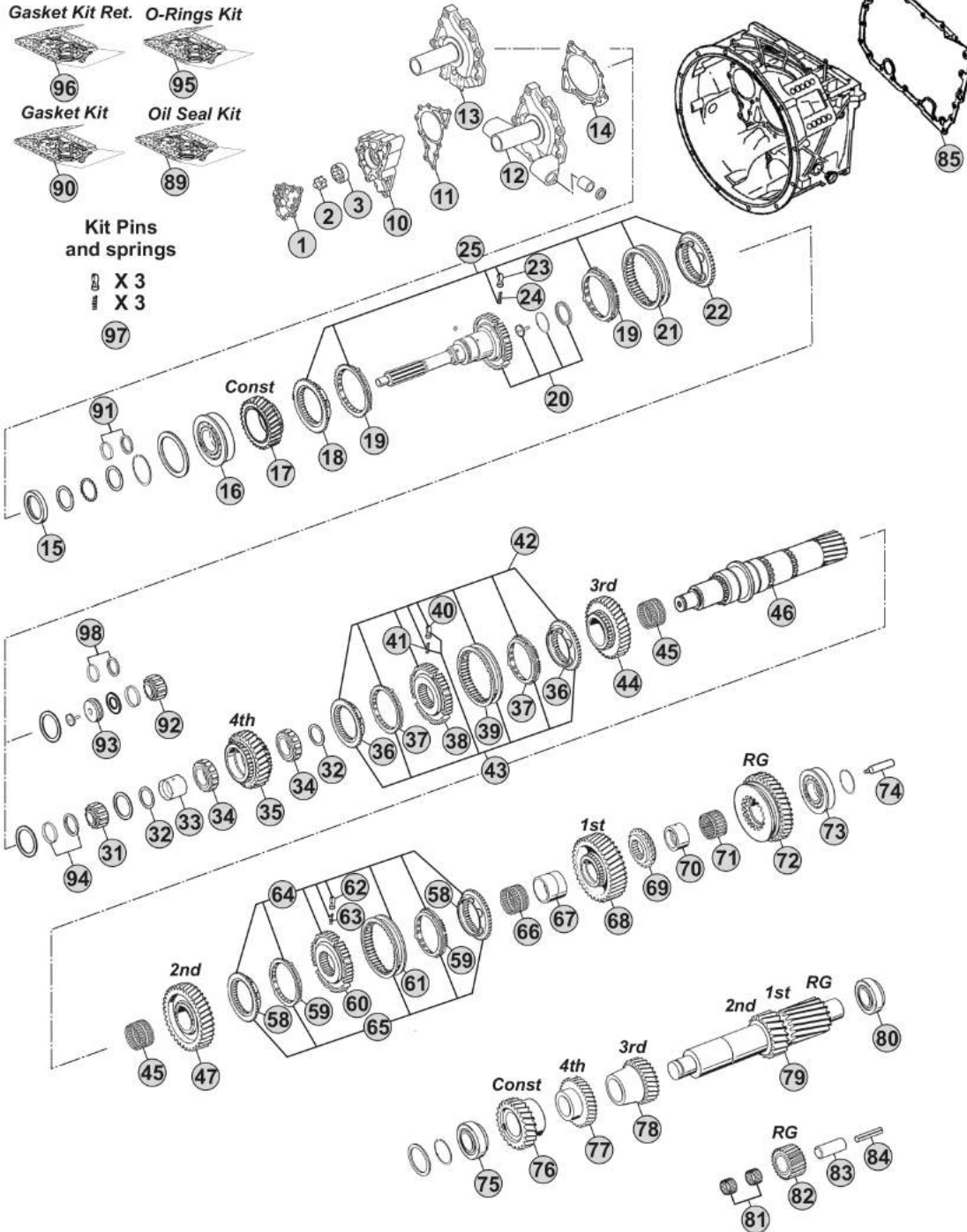
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1822 (1341 xxx xxx)



Notes

16S1822 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1822				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.138	1315 304 131	Main Shaft Z 23	1	W/Front conical bearing	●				
46	103.317	1315 304 143	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
67	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
69	109.144	1315 304 018	Engaging Ring	1		●				
70	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
71	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
72	147.123	1315 304 006	Reverse Gear 44 T	1		●				
73	130.309	0750 117 677	Bearing 80x130x36	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.473	1315 303 064	Constant Gear 32 T	1		●				
77	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
78	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
79	105.216	1315 303 063	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				

Date

02/2015

Notes

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

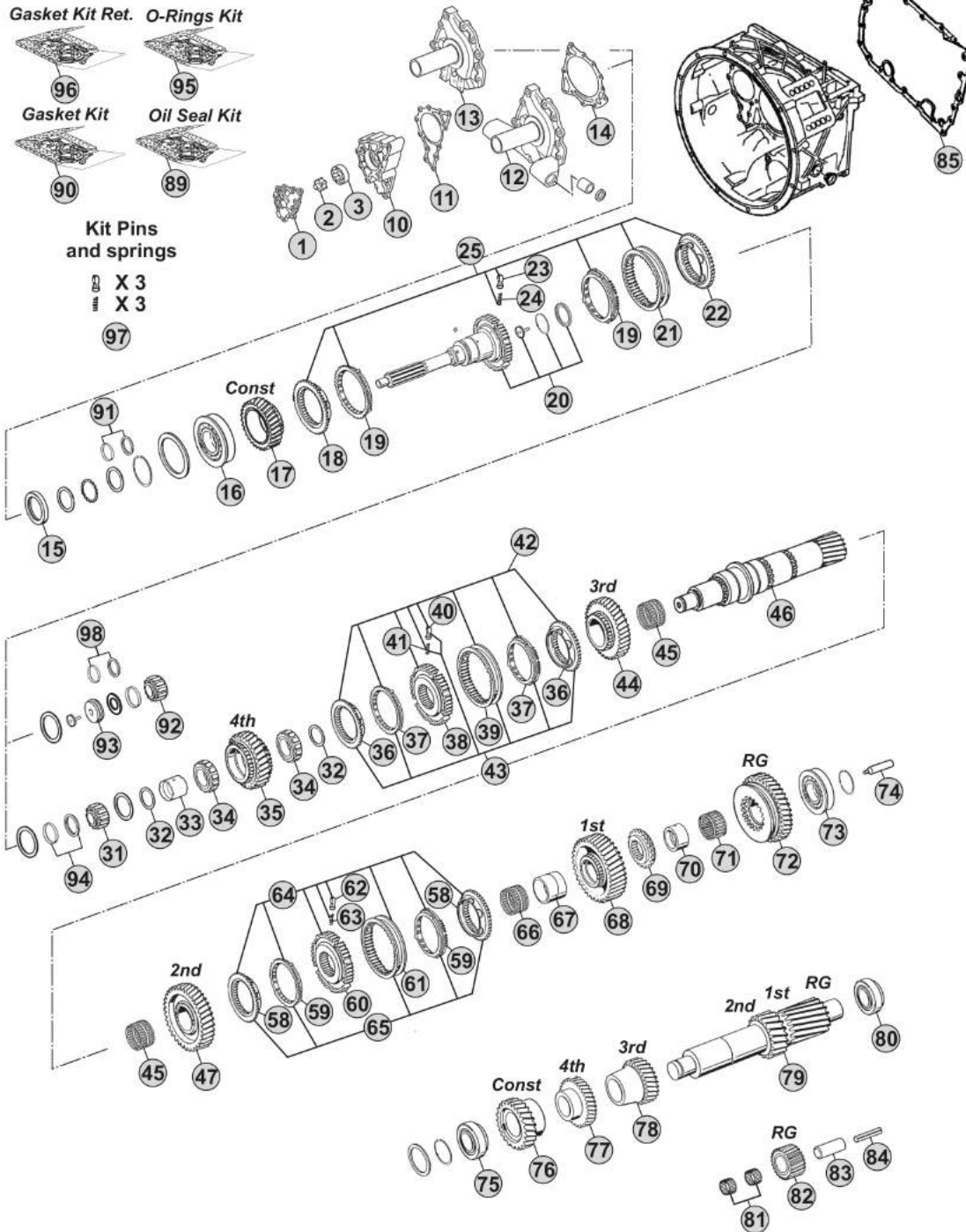
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1822 (1341 xxx xxx)



Notes

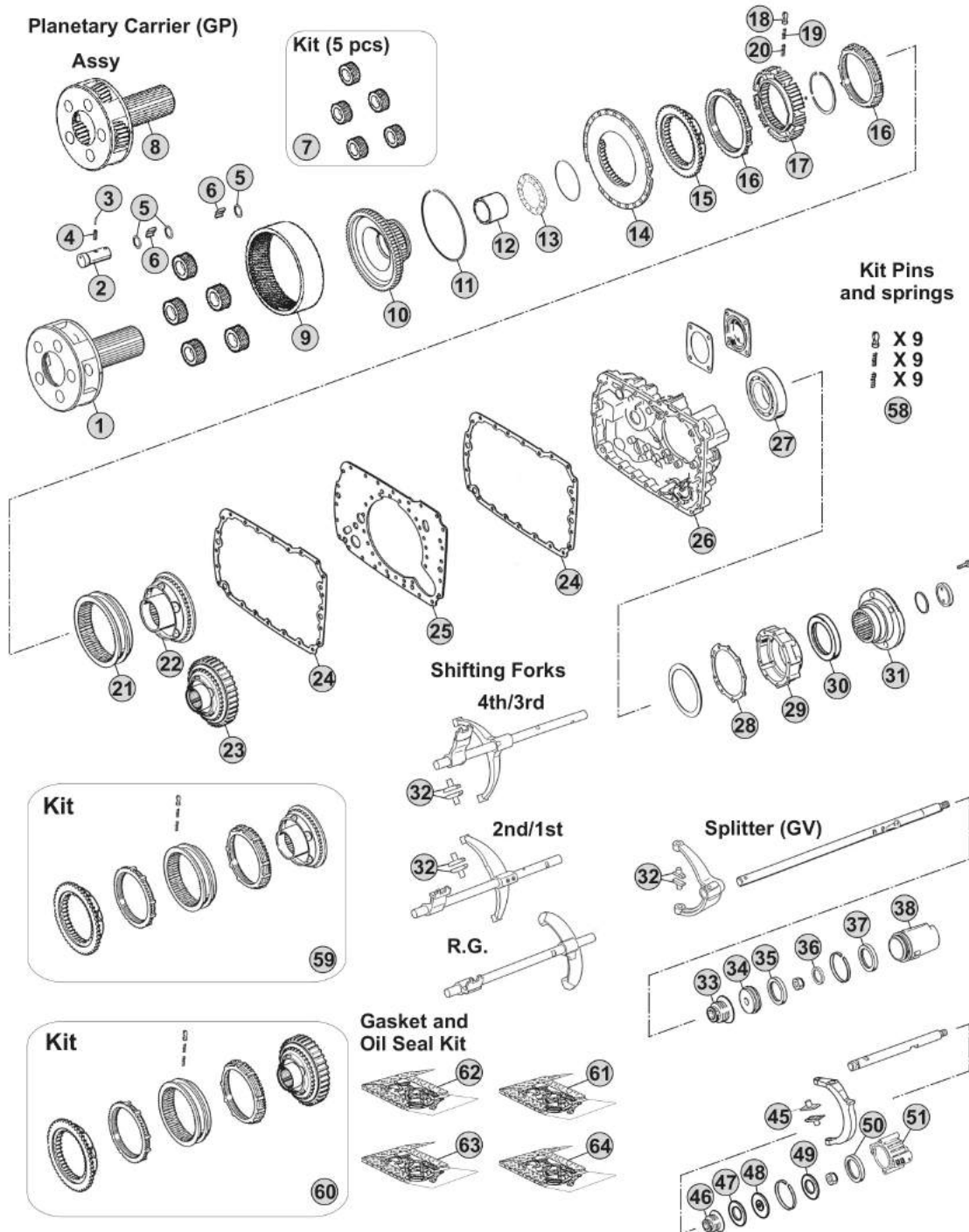
16S1822 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1822 (1341 xxx xxx)



Notes

16S1822 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1822			
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●			
2	107.159	1315 332 053	Planerary pin	5	(70)	●			
2	107.255	1315 332 091	Planerary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	169.744	0730 107 168	Spacer Ring	15		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●			
8	298.862		Planetary Carrier Assy	1	(71)	●			
9	123.211	1315 332 041	Crown Gear 82 T	1		●			
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
11	111.426	0730 513 583	Locking Wire	1		●			
12	119.256	1316 333 014	Intermediate Ring	1		●			
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
14	135.122	1296 333 046	Saddle Plate	1		●			
15	109.174	1296 333 050	Synchronizer Cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.182	1313 333 001	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1		●			
29	175.421	1315 231 004	Cover	1		●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
31		1316 332 125	Output Flange	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

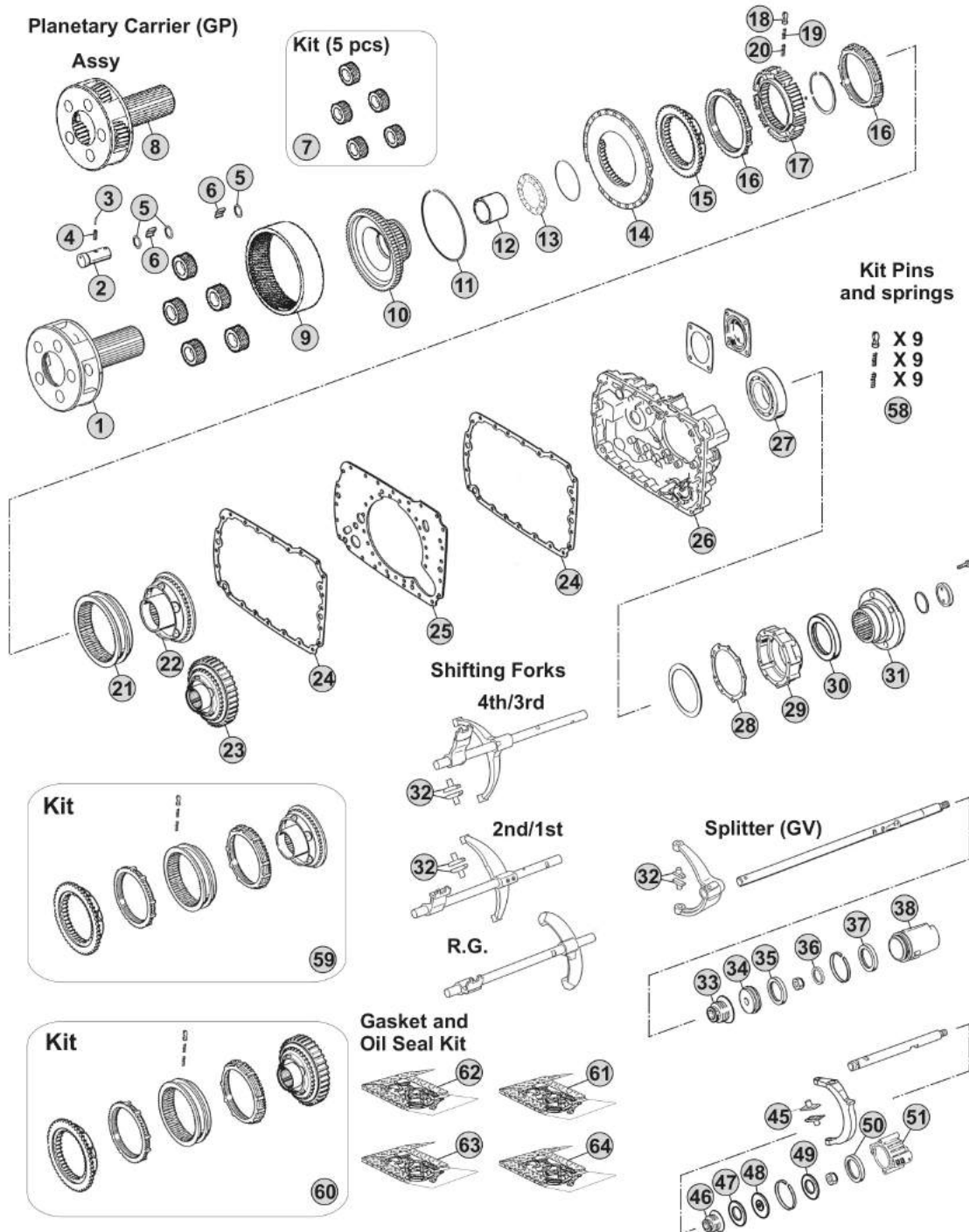
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1822 (1341 xxx xxx)



Notes

16S1822 R. 13,80-0,84

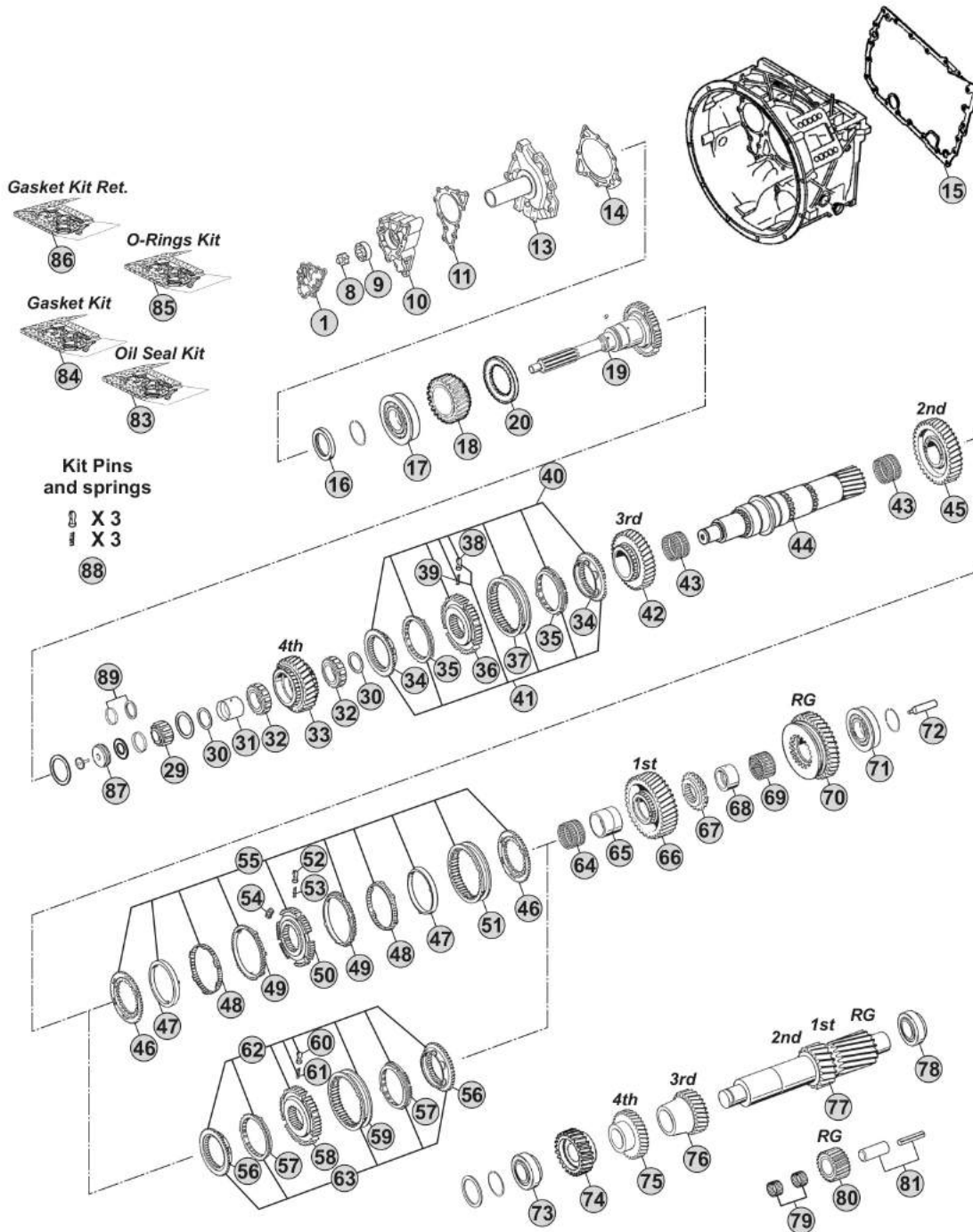
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1823 (1341 xxx xxx)



Notes

8S1823 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851823				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
8	189.679	1314 202 039	Oil Pump Shaft	1		●				
9	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.854	1315 301 233	Gasket	1		●				
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
17	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
18	145.556	1315 302 158	Constant Gear 35 T	1		●				
19	190.564	1315 302 197	Input Shaft	1		●				
20		1315 302 185	Disk	1		●				
29	137.396	0735 455 298	Needle Cage 44x82x28	1		●				
30	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
31	117.321	0750 119 125	Bush 67x77x54,1	1		●				
32	137.164	0750 115 534	Roller Cage 77x101x29	2		●				
33	146.320	1315 304 089	Gear 4th Speed 32 T	1		●				
34	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
34	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
34	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
35	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
35	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
35	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
37	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
37	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
38	160.189	1297 304 436	Pressure Piece	3		●				
39	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
40	298.021	1315 298 061	Synchro Kit	1	(21)	●				
41	298.291	1315 298 067	Synchro Kit	1	(21)	●				
41	298.288	1325 298 008	Synchro Kit	1	(22)	●				
41	196.442	1316 298 037	Synchro Kit	1	(23)	●				
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
44	103.317	1315 304 143	Main Shaft 23 T	1		●				
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
46	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
47	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
48	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
49	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
50	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

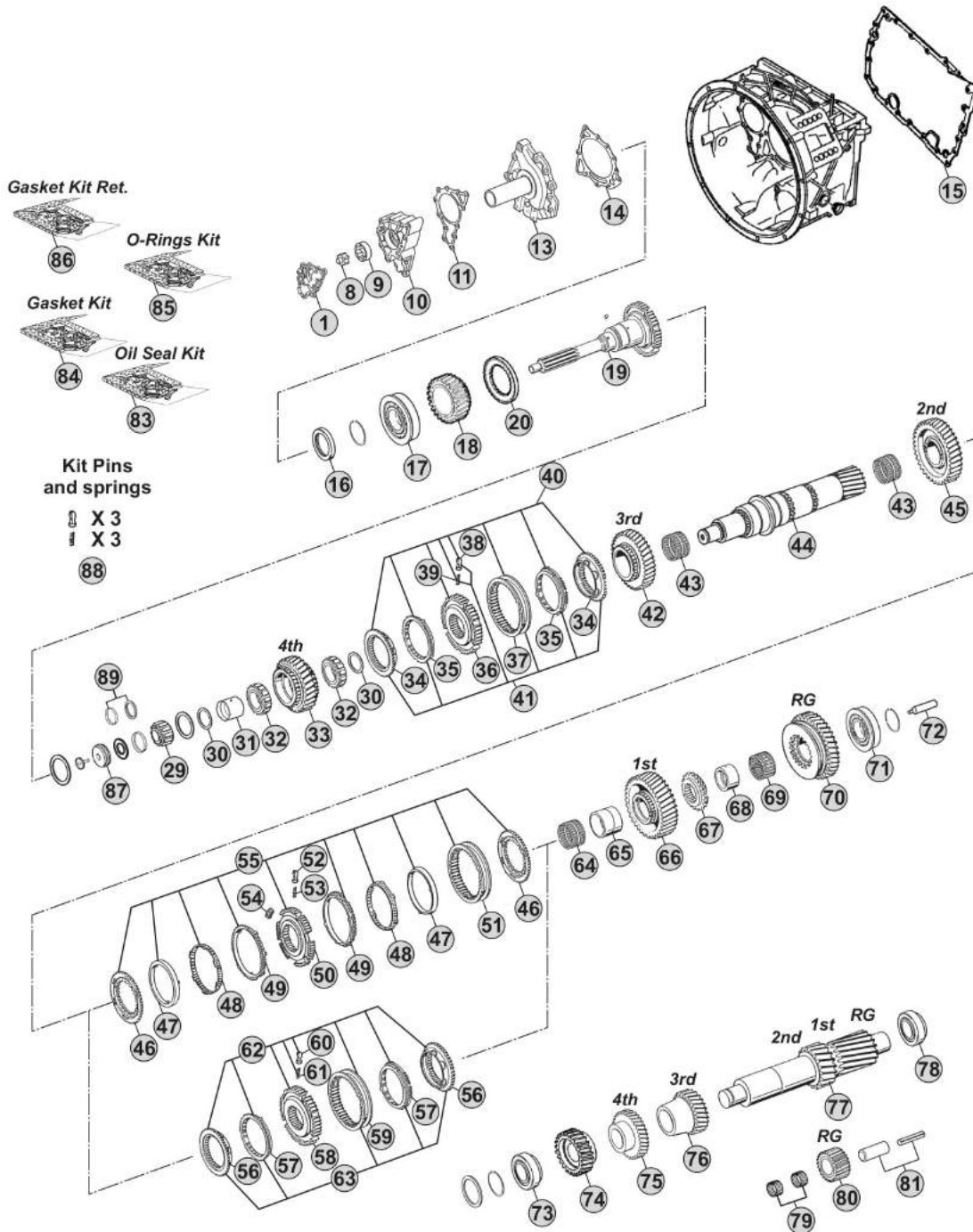
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1823 (1341 xxx xxx)



Notes

8S1823 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851823				
51	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
52	160.189	1297 304 436	Pressure Piece	3	(30)	●				
53	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
54	156.176	1312 304 159	Slide	3	(30)	●				
55	198.969	1312 298 911	Synchro Kit	1	(30)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
59	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
60	160.189	1297 304 436	Pressure Piece	3		●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
62	298.020	1315 298 060	Synchro Kit	1	(32)	●				
63	298.286	1315 298 066	Synchro Kit	1	(32)	●				
63	298.287	1325 298 007	Synchro Kit	1	(33)	●				
63	196.440	1316 298 036	Synchro Kit	1	(34)	●				
64	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
65	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
67	109.144	1315 304 018	Engaging Ring	1		●				
68	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
69	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
70	147.123	1315 304 006	Reverse Gear 44 T	1		●				
71	130.309	0750 117 677	Bearing 80x130x36	1		●				
72	188.209	1312 304 150	Oil Tube	1		●				
73	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
74	146.473	1315 303 064	Constant Gear 32 T	1		●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
77	105.216	1315 303 063	Countershaft 17/20 T	1		●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.126	1315 305 011	Reverse Gear 22 T	1		●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1	Paper	●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
85	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●				
86	298.860	6085 298 013	Gasket Kit intarder	1		●				
87	137.395	0735 368 084	Needle Cage 30x81,5x34	1		●				

Date

02/2015

Notes

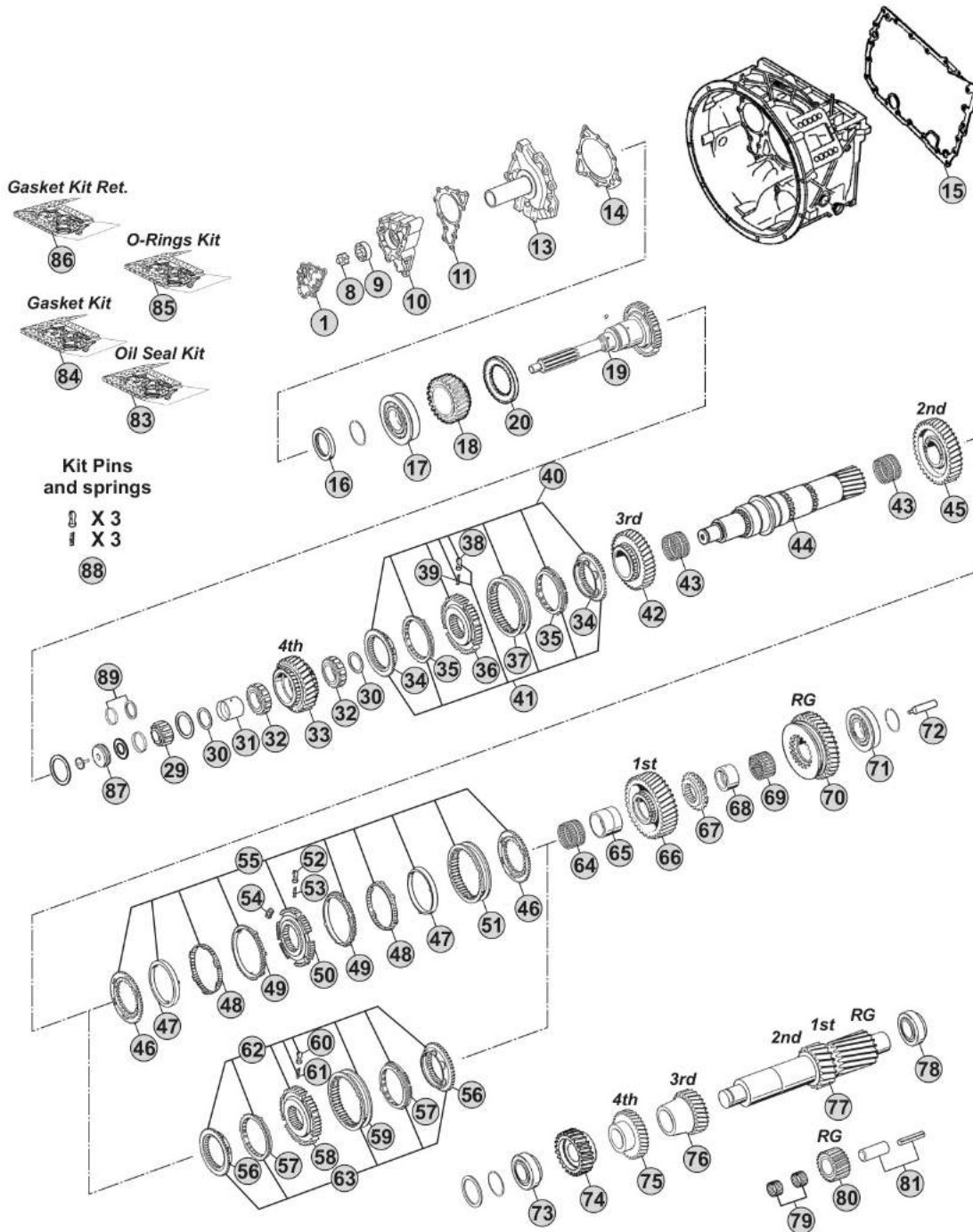
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 8S1823 (1341 xxx xxx)



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Notes

8S1823 R. 11,54-0,84

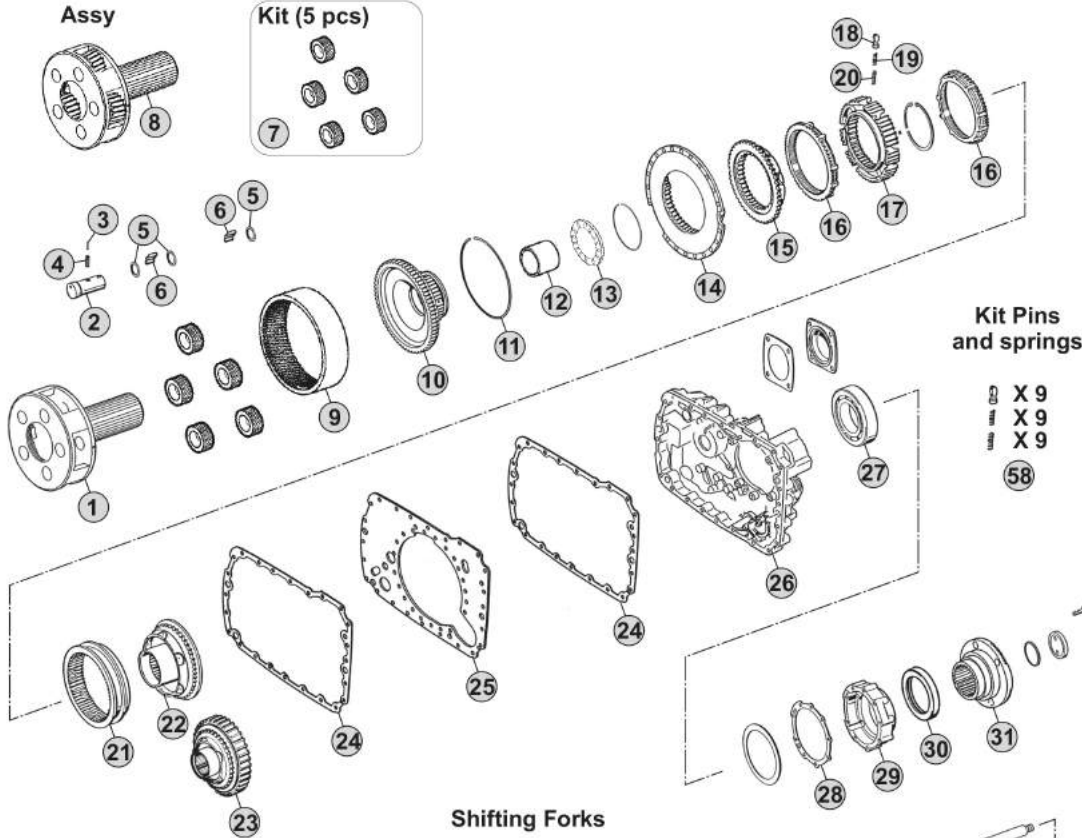
MODELS:

- NEW ECOSPLIT III

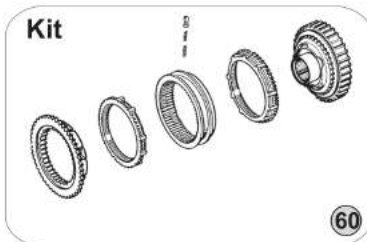
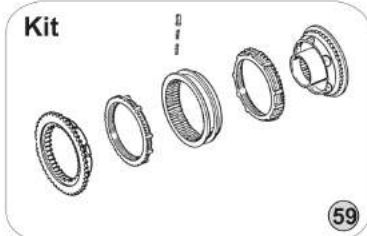
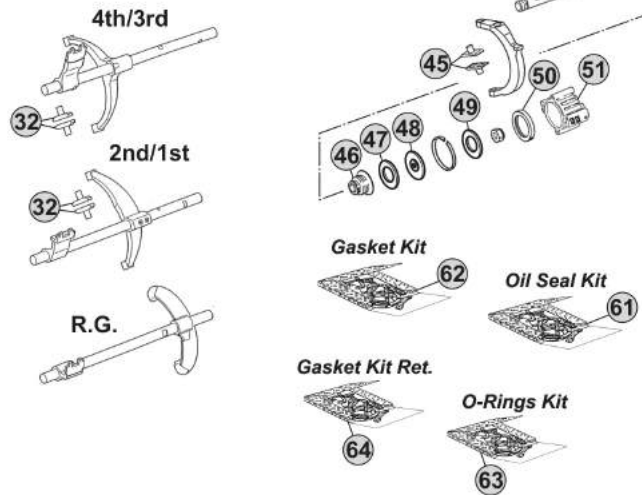
VERSIONS:

- 8S1823 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks



Notes

8S1823 R. 11,54-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	851823				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

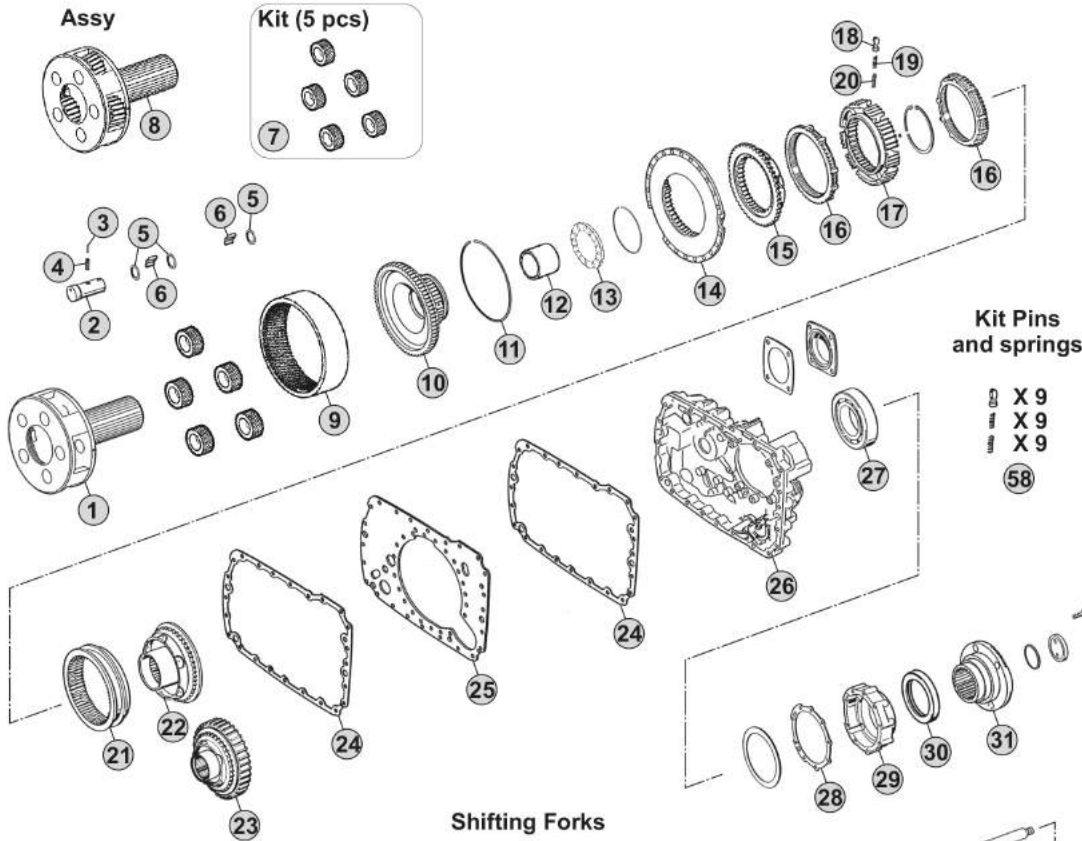
MODELS:

- NEW ECOSPLIT III

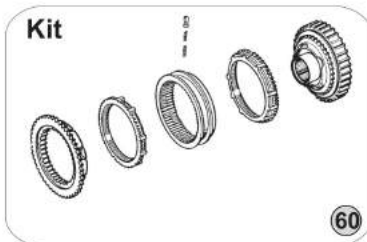
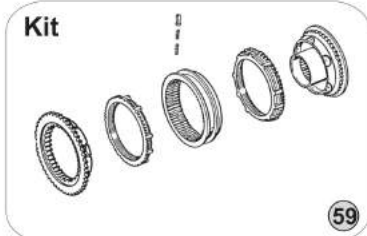
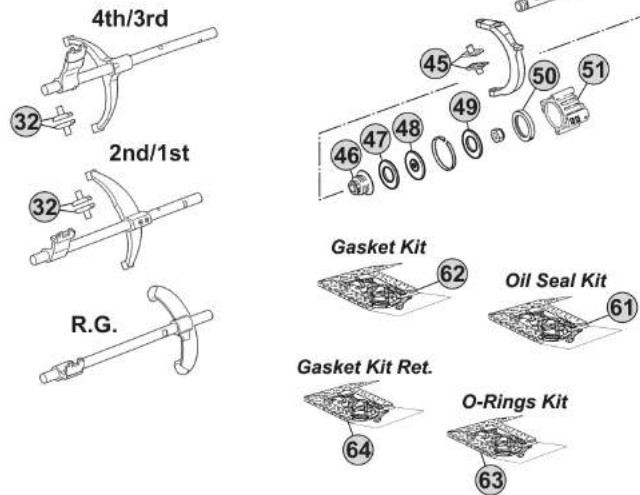
VERSIONS:

- 8S1823 (1341 xxx xxx)

Planetary Carrier (GP)



Shifting Forks



Notes

8S1823 R. 11,54-0,84

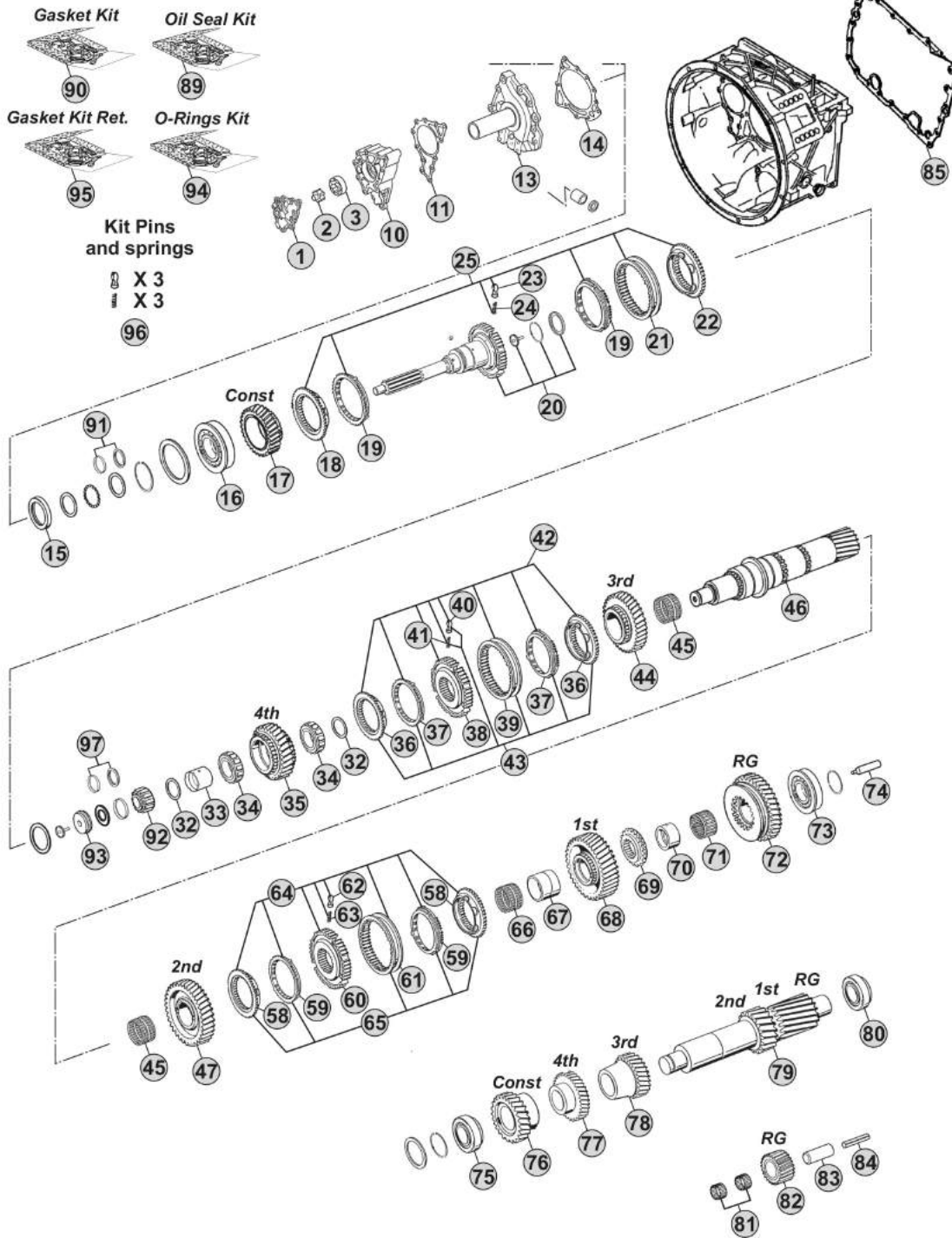
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1823 (1341 xxx xxx)



Notes

16S1823 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1823			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.556	1315 302 158	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.564	1315 302 197	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.321	0750 119 125	Bush 67x77x54,1	1		●			
34	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
35	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			

 NEW ECOSPLIT III
16S1823
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

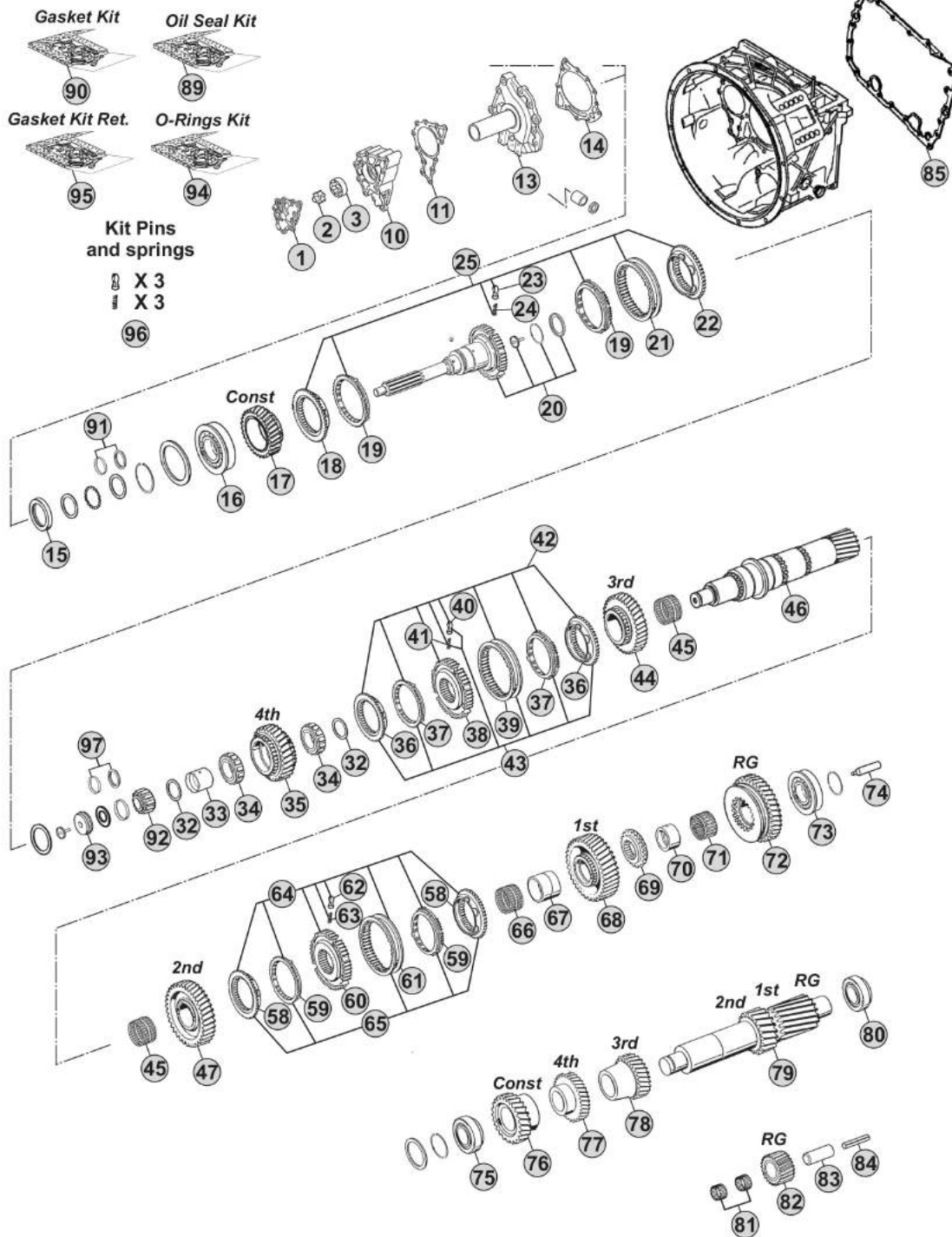
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1823 (1341 xxx xxx)



Notes

16S1823 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1823				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.317	1315 304 143	Main Shaft 23 T	1		●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
67	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
69	109.144	1315 304 018	Engaging Ring	1		●				
70	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
71	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
72	147.123	1315 304 006	Reverse Gear 44 T	1		●				
73	130.309	0750 117 677	Bearing 80x130x36	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.473	1315 303 064	Constant Gear 32 T	1		●				
77	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
78	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
79	105.216	1315 303 063	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
82	147.126	1315 305 011	Reverse Gear 22 T	1		●				
83	190.302	1315 305 009	Reverse Shaft	1		●				
84	160.290	0631 329 294	Pin	1		●				
85	139.854	1315 301 233	Gasket	1		●				

 NEW ECOSPLIT III
16S1823
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

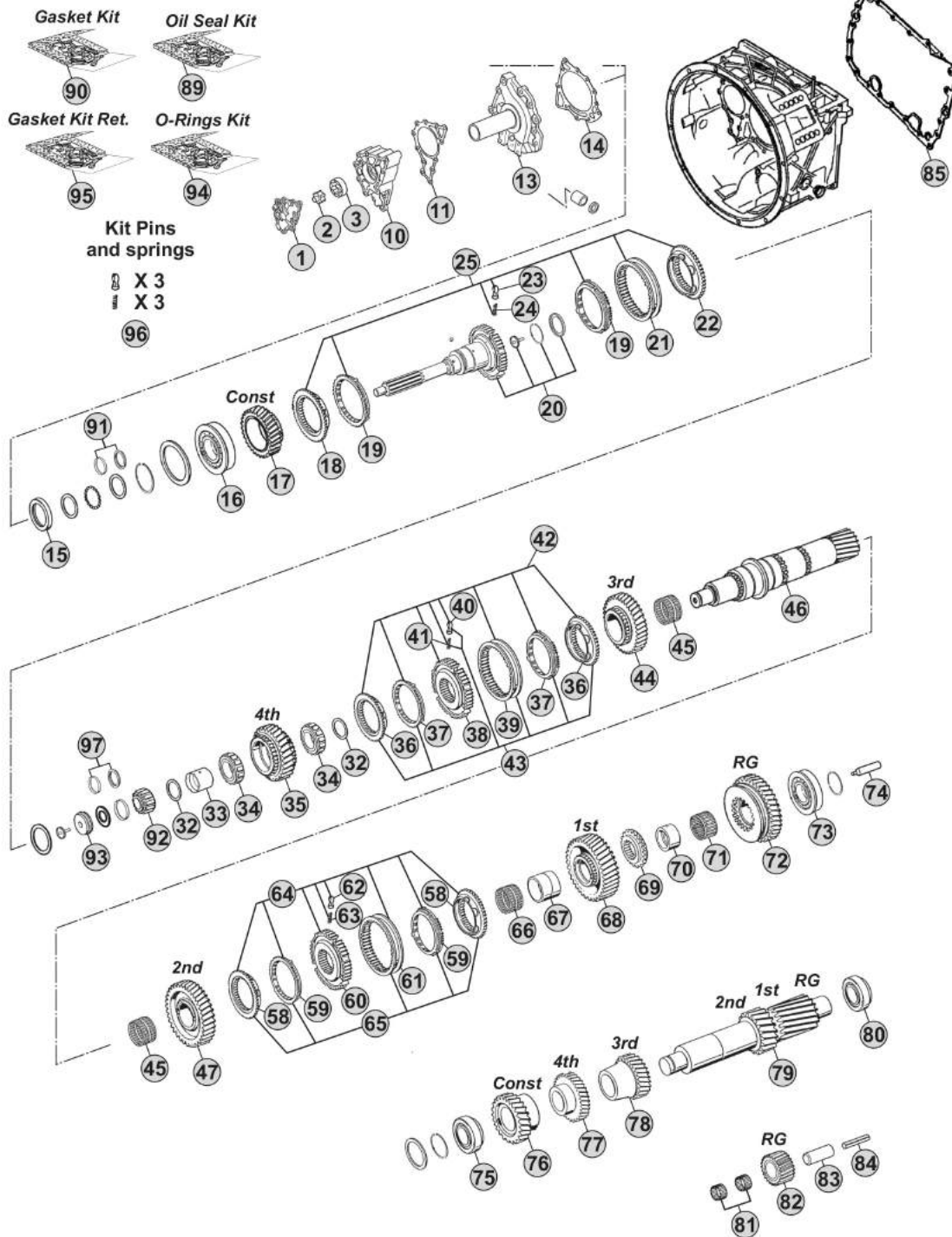
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1823 (1341 xxx xxx)



Notes

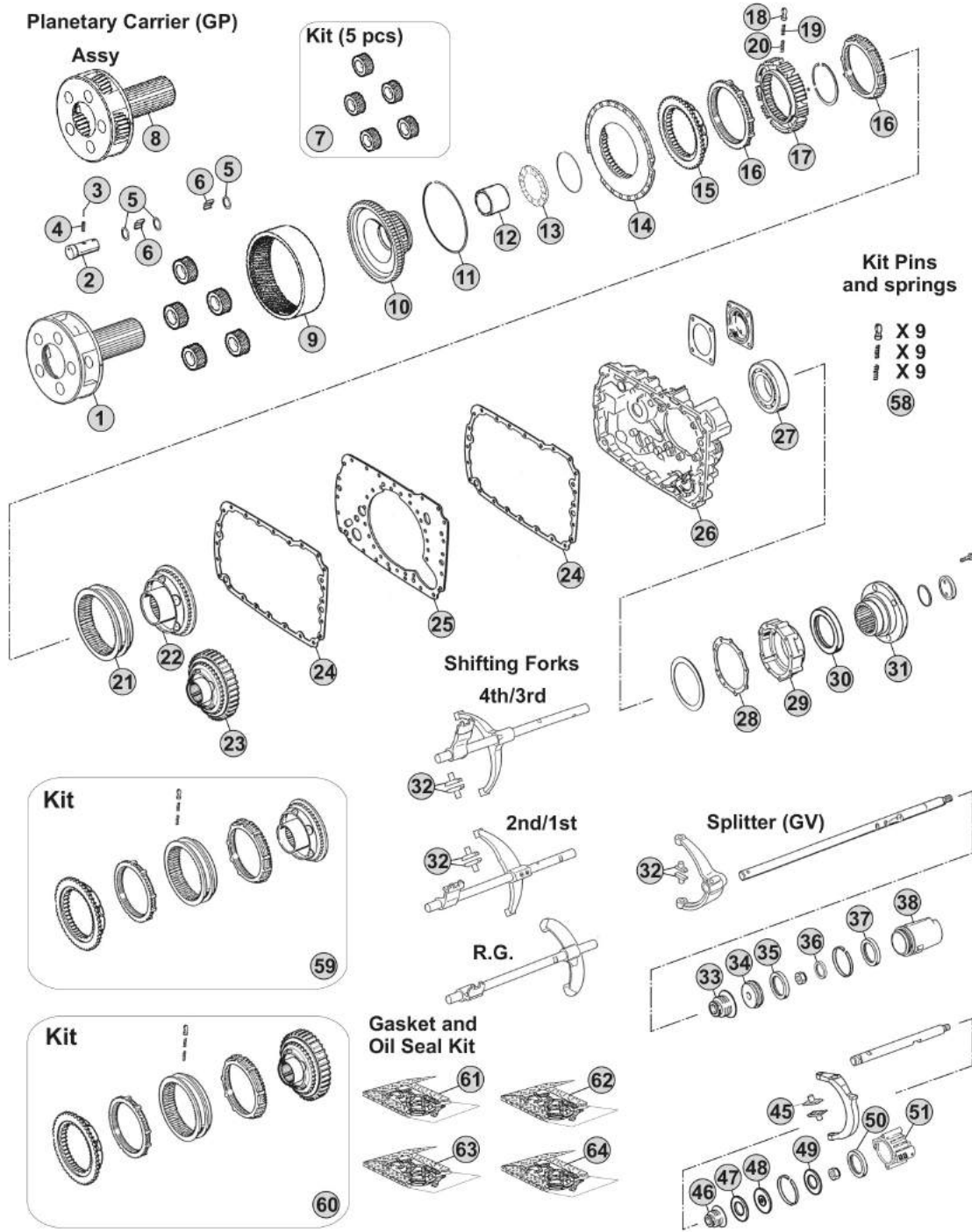
16S1823 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1823 (1341 xxx xxx)



Notes

16S1823 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1823				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

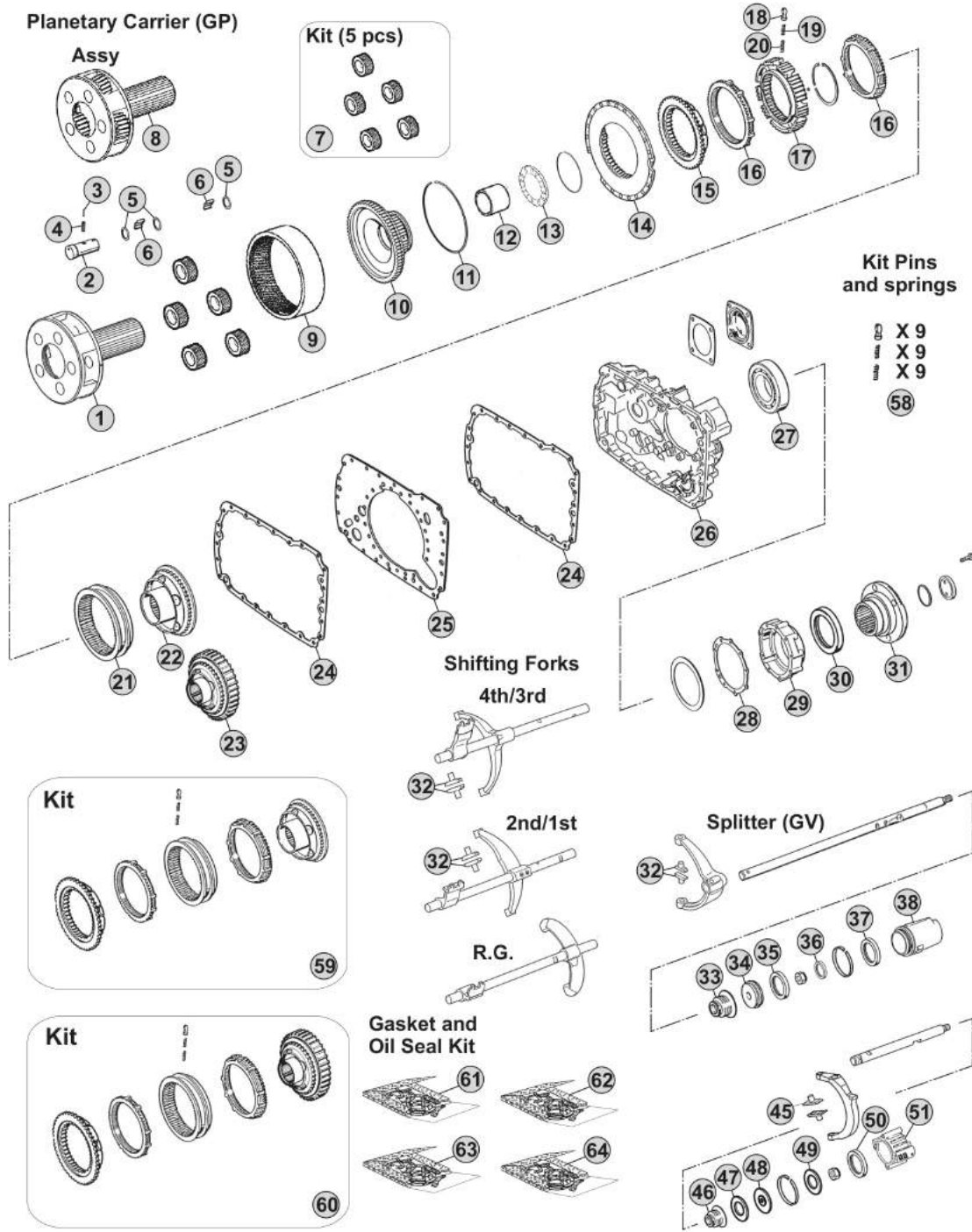
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1823 (1341 xxx xxx)



Notes

16S1823 R. 13,80-0,84

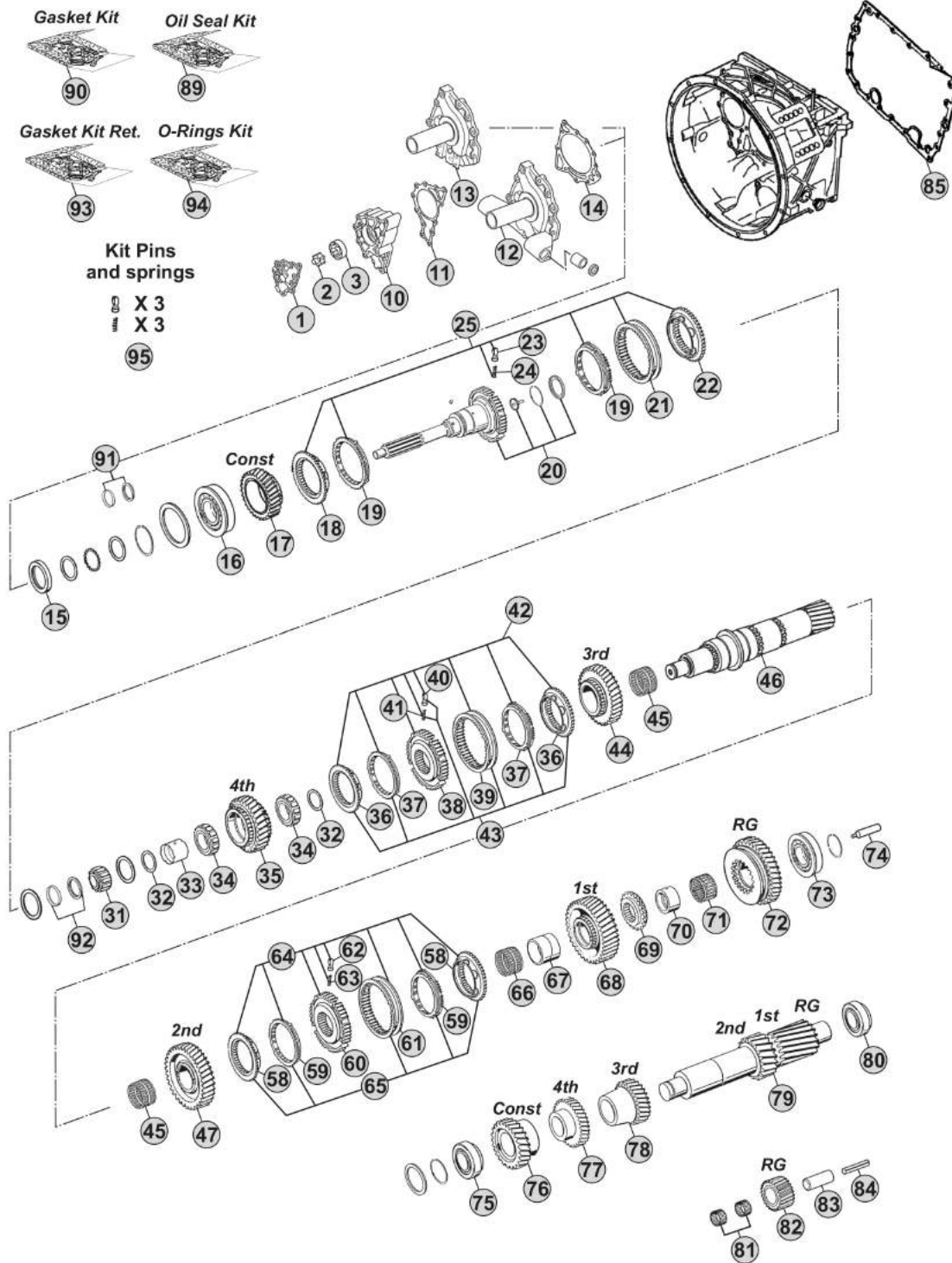
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1825 (1341 xxx xxx)



Notes

16S1825 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1825			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.556	1315 302 158	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.506	1315 202 038	Input shaft	1		●			
20	190.562	1315 221 004	Input Shaft	1	W/NMV	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.321	0750 119 125	Bush 67x77x54,1	1		●			
34	137.164	0750 115 534	Roller Cage 77x101x29	2		●			
35	146.320	1315 304 089	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

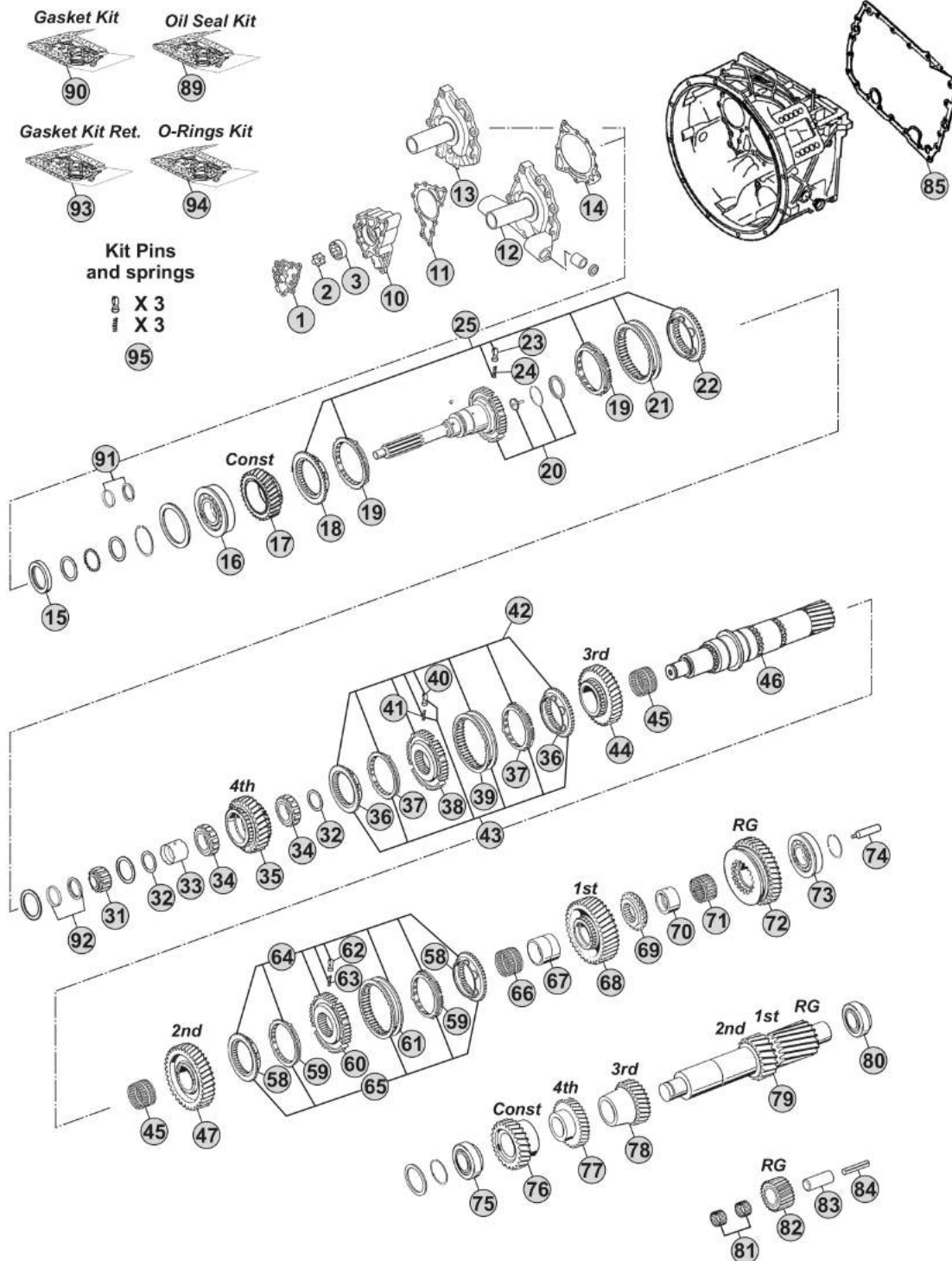
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1825 (1341 xxx xxx)



Notes

16S1825 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1825				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1		●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.138	1315 304 131	Main Shaft Z 23	1		●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3	(33-34)	●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3	(32-33-34)	●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
67	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1		●				
69	109.144	1315 304 018	Engaging Ring	1		●				
70	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
71	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
72	147.123	1315 304 006	Reverse Gear 44 T	1		●				
73	130.309	0750 117 677	Bearing 80x130x36	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.473	1315 303 064	Constant Gear 32 T	1		●				
77	146.474	1315 303 050	Gear 4th Speed 35 T	1		●				
78	146.365	1315 303 004	Gear 3rd Speed 26 T	1		●				
79	105.216	1315 303 063	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
82	147.126	1315 305 011	Reverse Gear 22 T	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

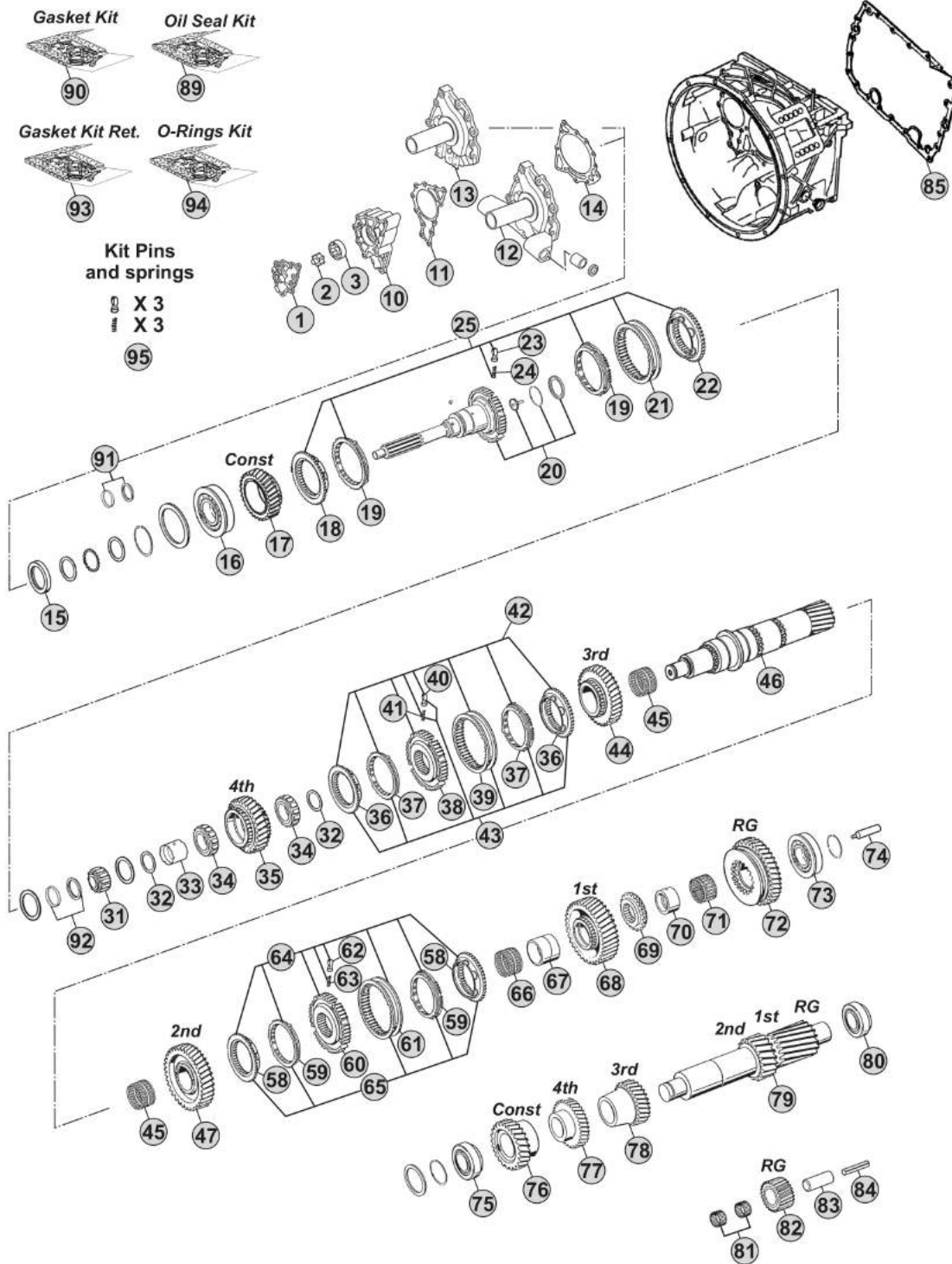
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1825 (1341 xxx xxx)



Notes

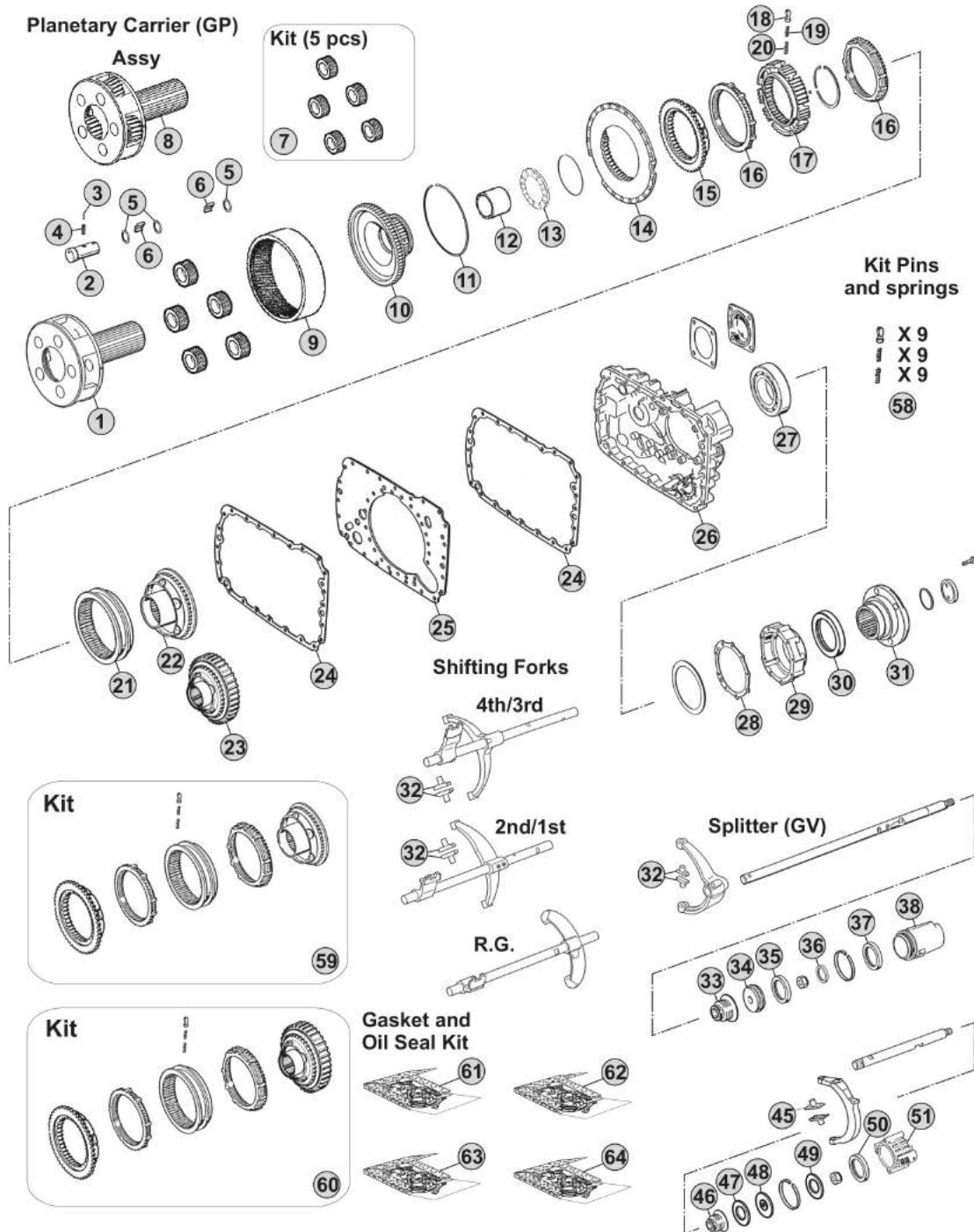
16S1825 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1825 (1341 xxx xxx)



Notes

16S1825 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1825				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31		1316 332 125	Output Flange	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

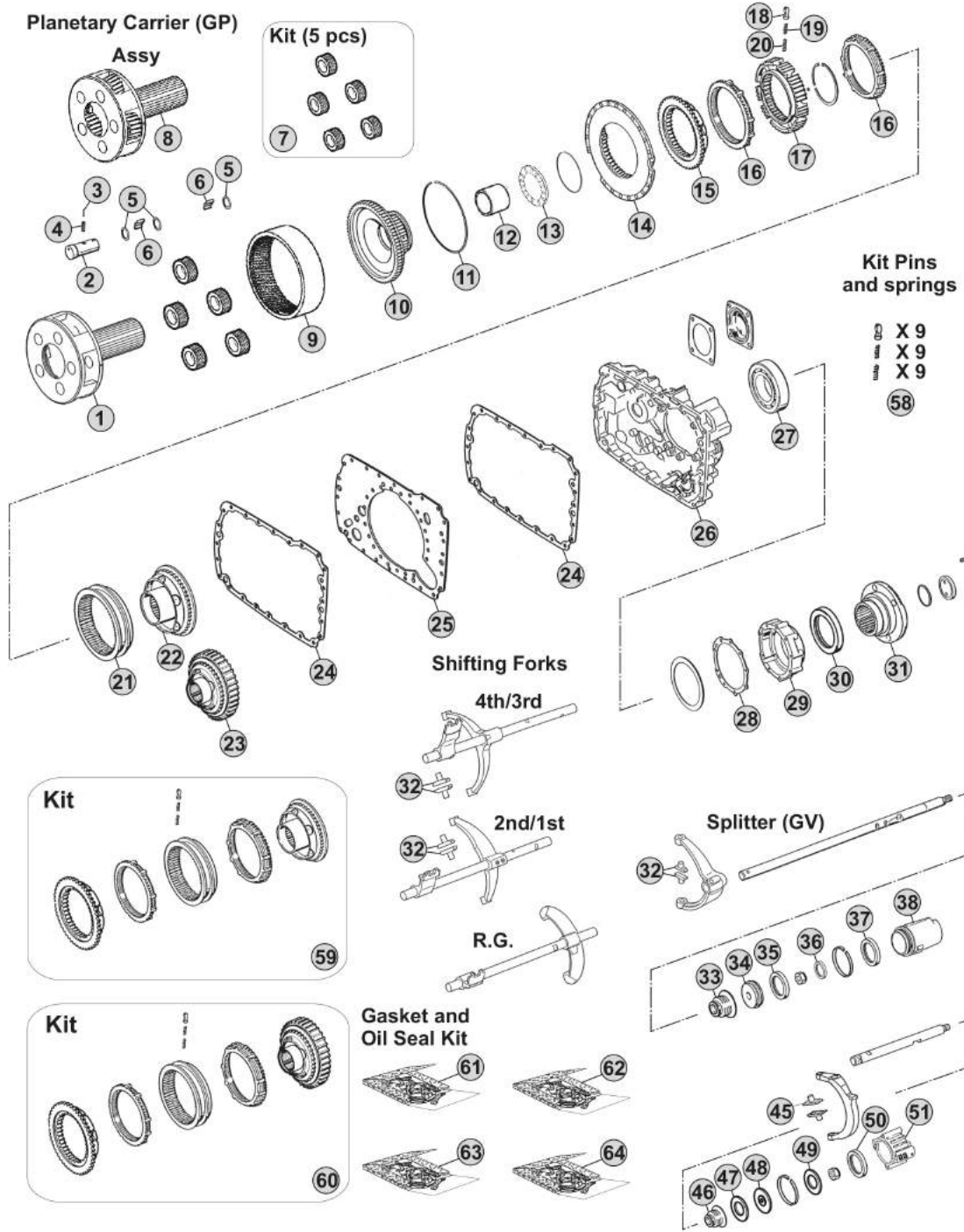
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1825 (1341 xxx xxx)



Notes

16S1825 R. 13,80-0,84

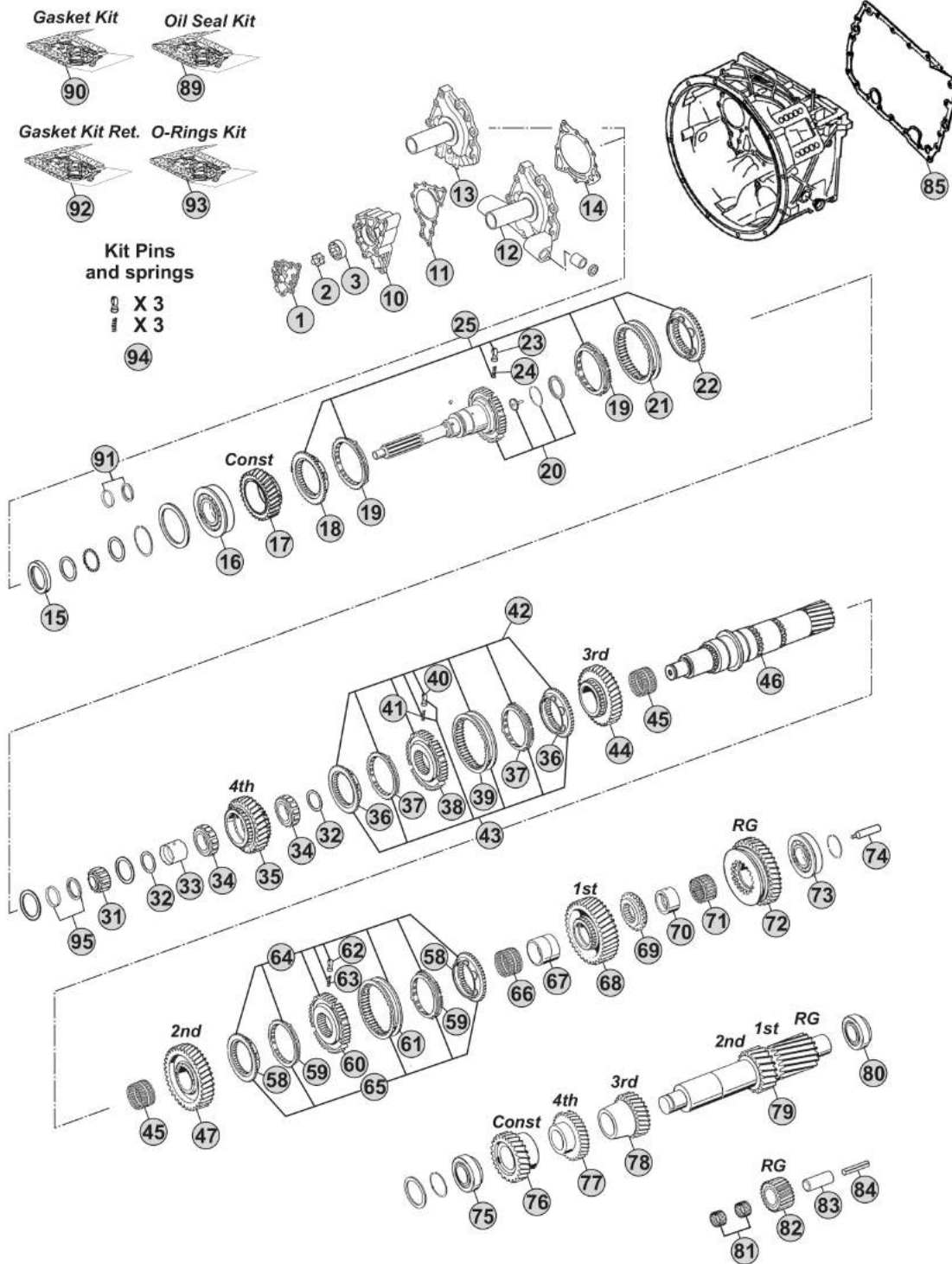
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1920 (1342 xxx xxx)



Notes

16S1920 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1920				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
12	135.251	1315 202 055	Front Cover	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.483	1316 302 066	Constant Gear 30 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.417	1316 202 038	Input Shaft	1		●				
20	190.303	1316 202 025	Input Shaft	1		●				
20	190.300	1316 202 026	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				

 NEW ECOSPLIT III
16S1920
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

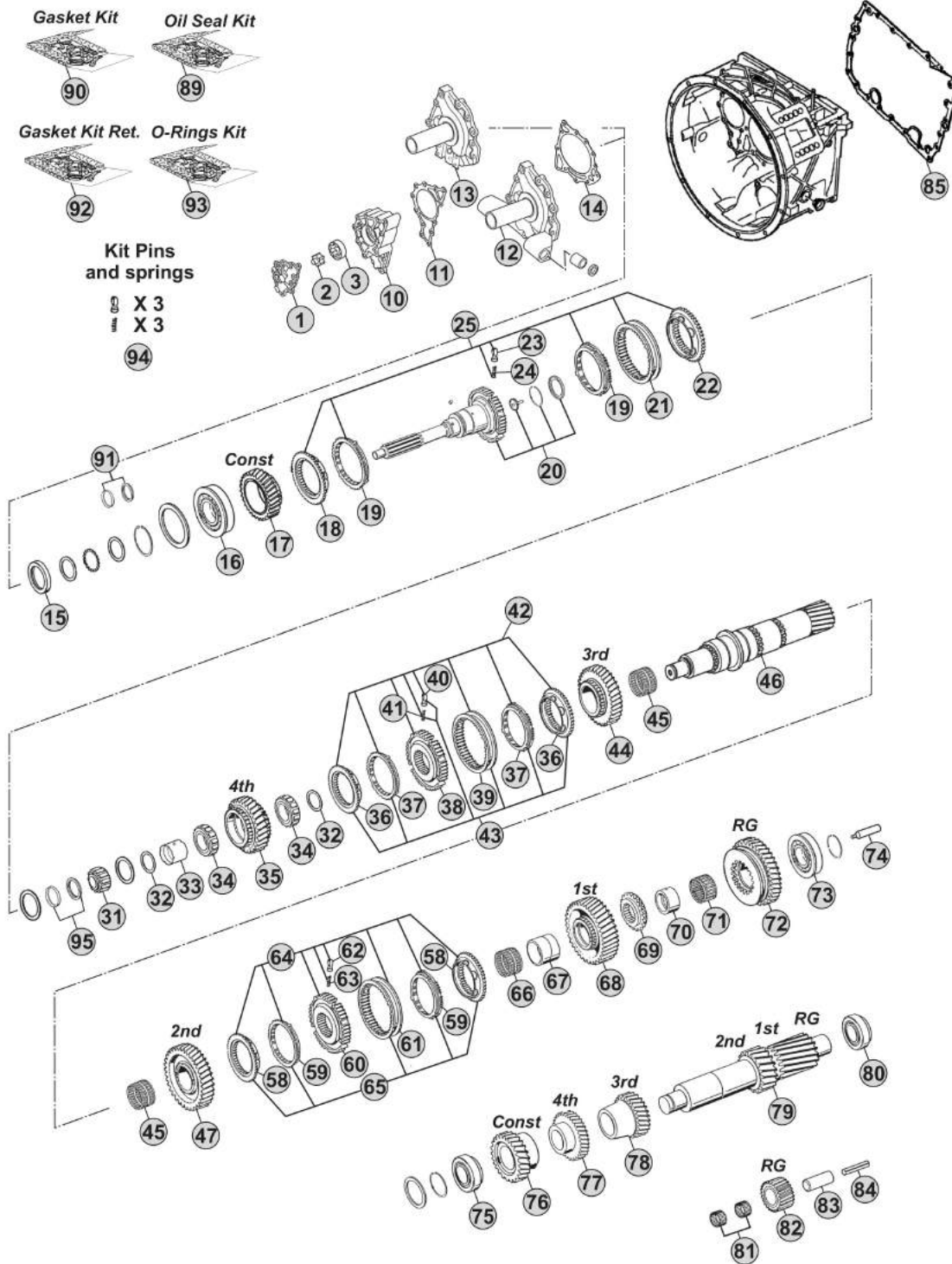
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1920 (1342 xxx xxx)



Notes

16S1920 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1920				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.486	1316 303 030	Costant Gear 39 T	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				

 NEW ECOSPLIT III
16S1920
Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (22) Only for 3rd/4th Speed - Latest type - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

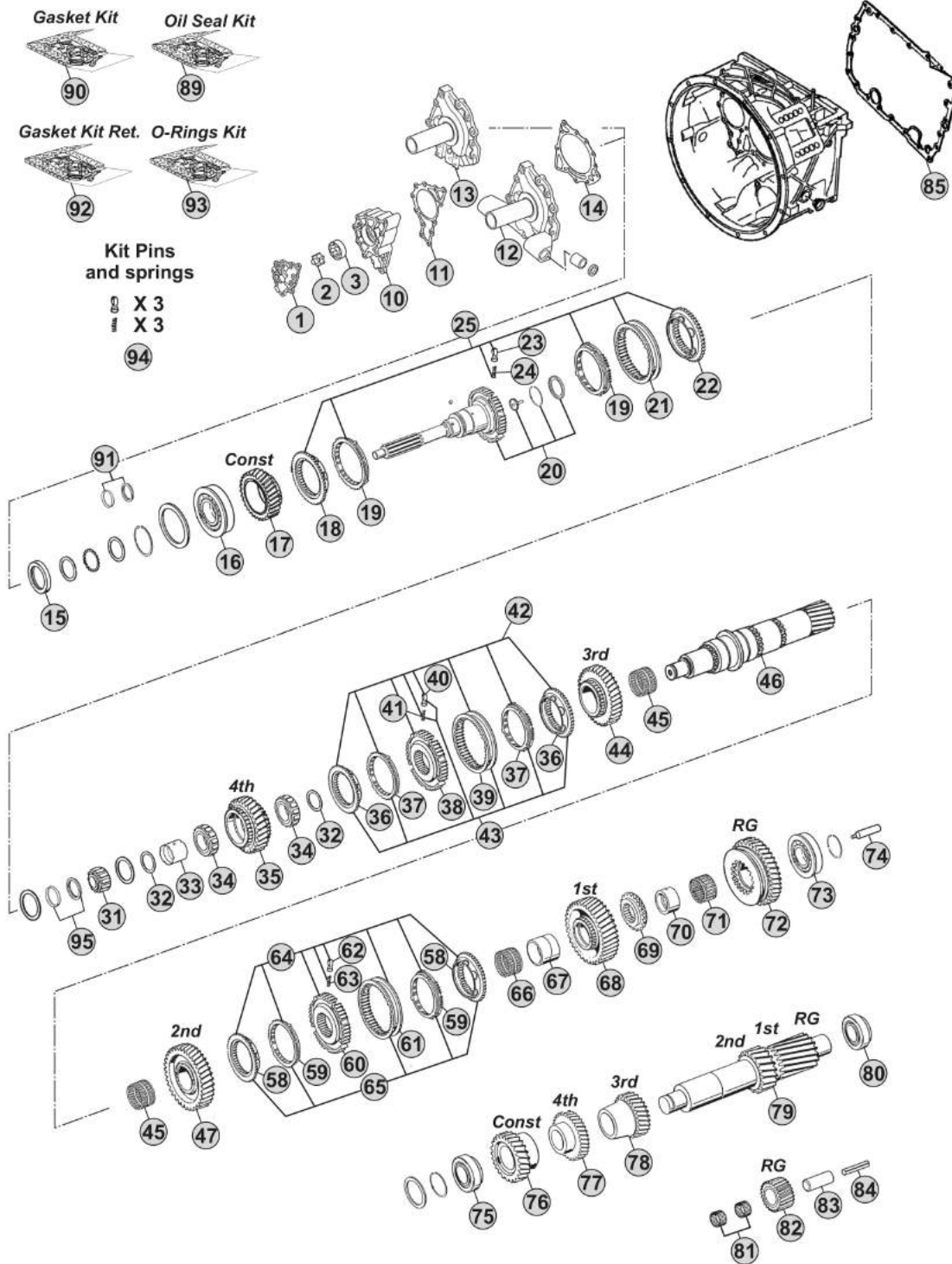
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1920 (1342 xxx xxx)



Notes

16S1920 R. 16,41-1,00

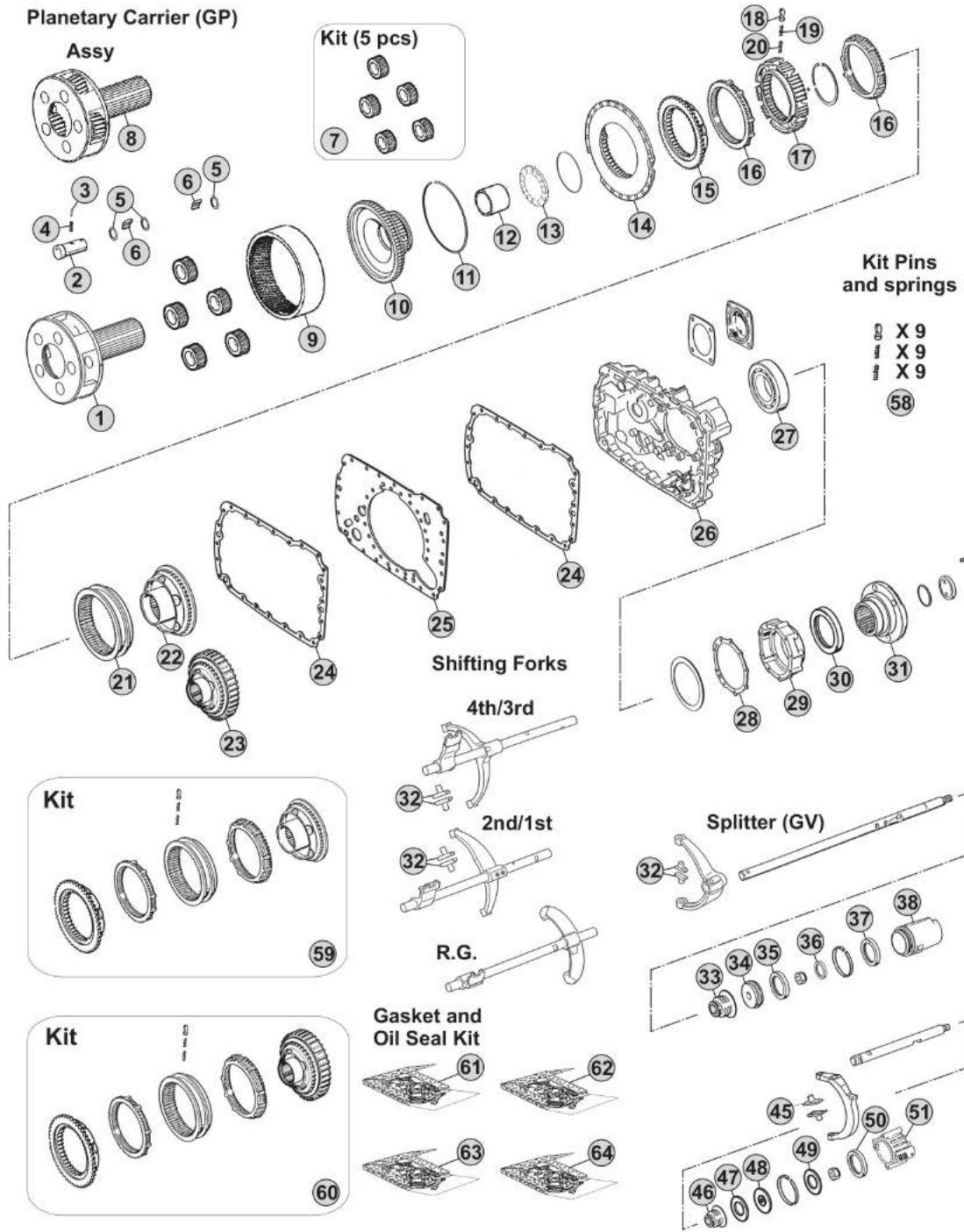
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1920 (1342 xxx xxx)



Notes

16S1920 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1920				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31		1316 332 125	Output Flange	1		●				

 NEW ECOSPLIT III
16S1920
Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

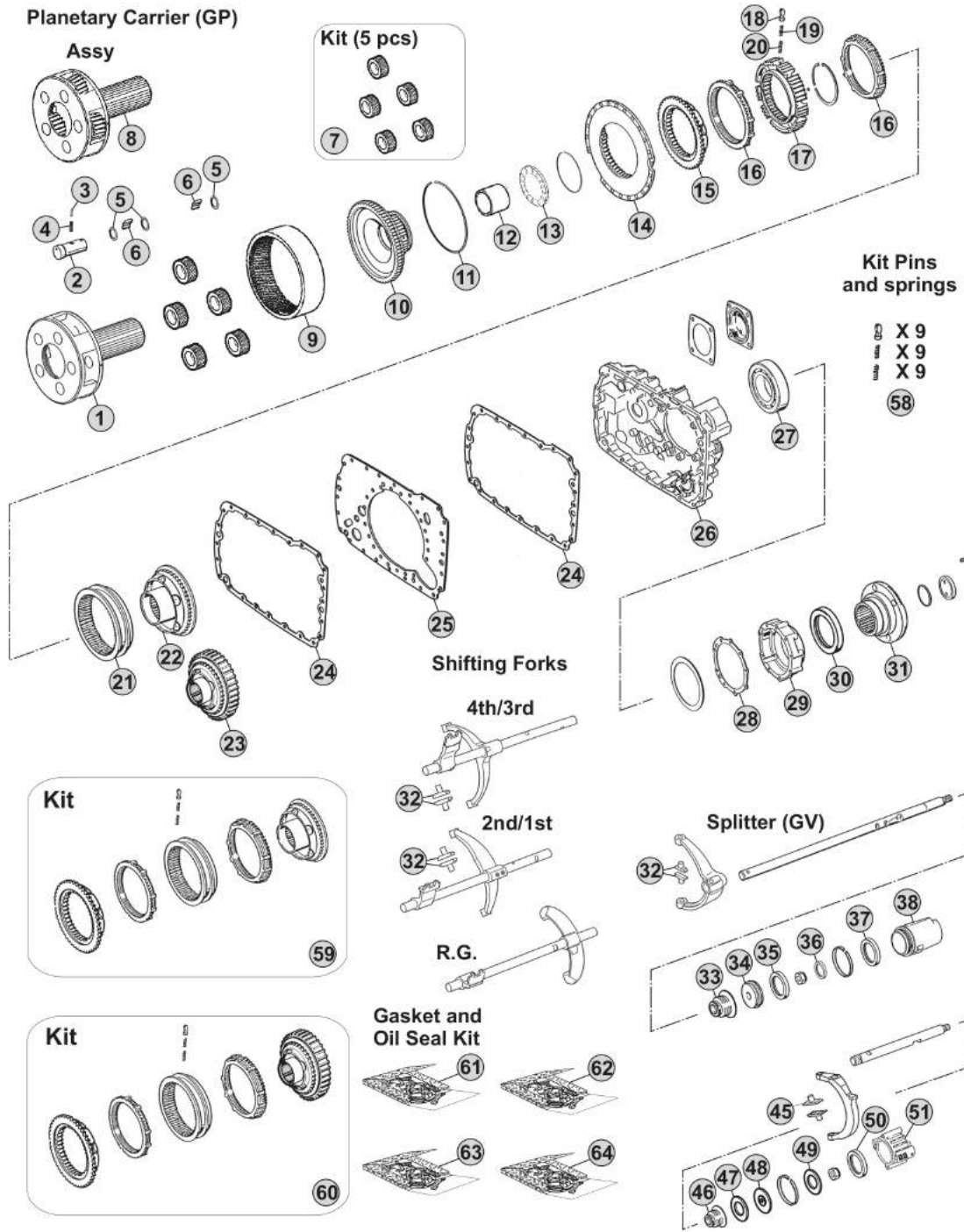
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1920 (1342 xxx xxx)



Notes

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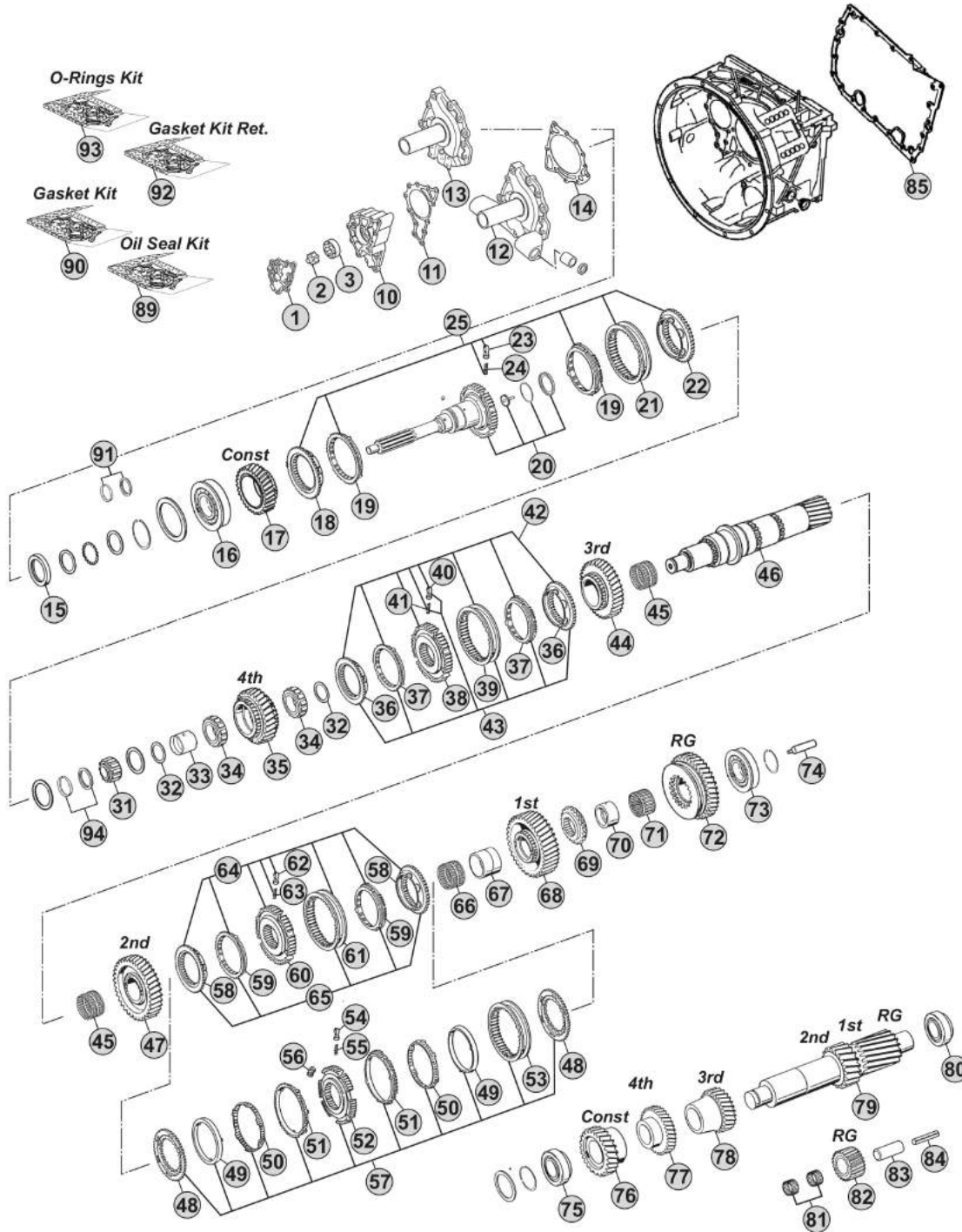
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1921 (1342 xxx xxx)



Notes

16S1921 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1921			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

 NEW ECOSPLIT III
16S1921
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

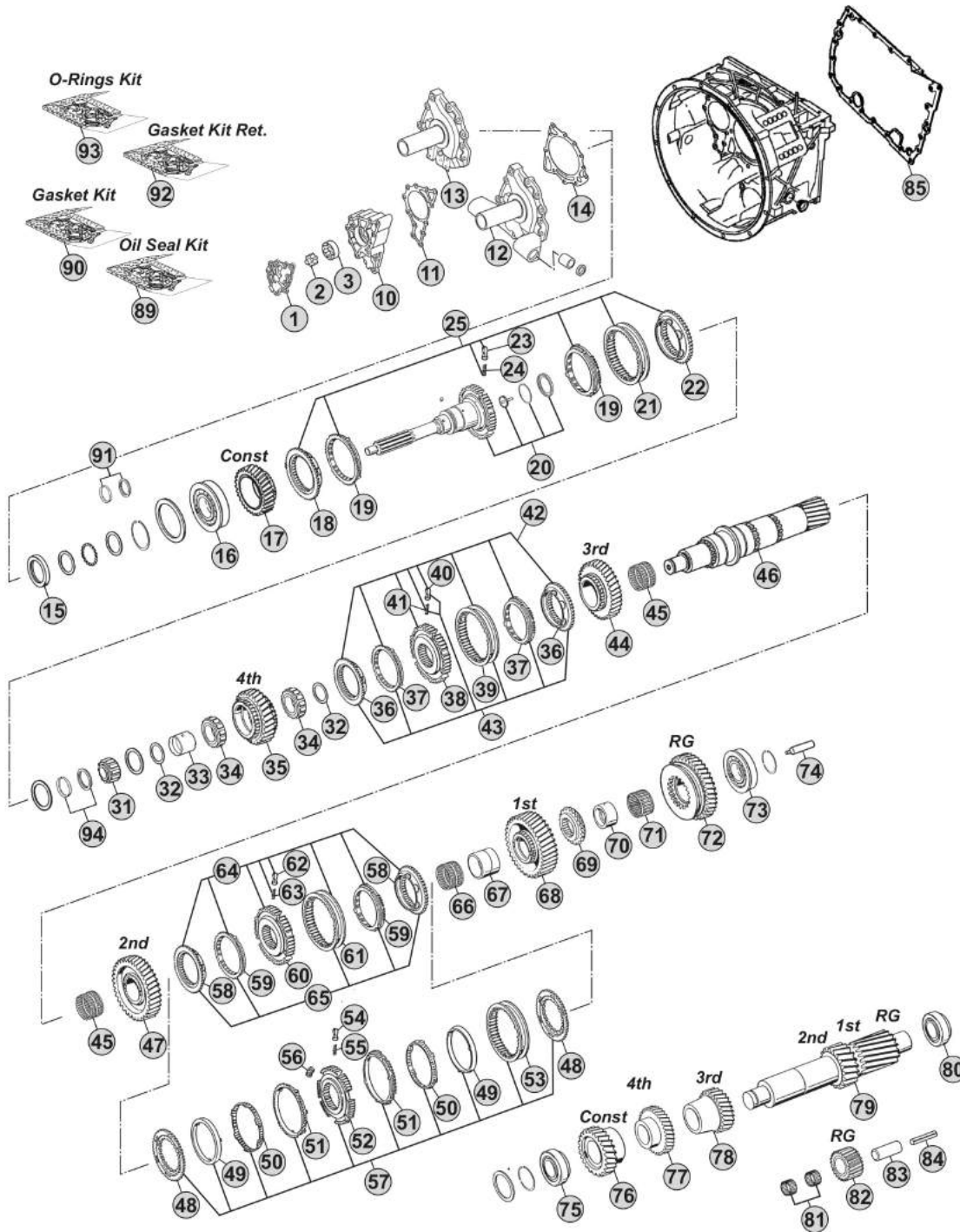
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1921 (1342 xxx xxx)



Notes

16S1921 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1921				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
54	160.189	1297 304 436	Pressure Piece	3	(30)	●				
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
56	156.176	1312 304 159	Slide	3	(30)	●				
57	198.969	1312 298 911	Synchro Kit	1	(30)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				

Date

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Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

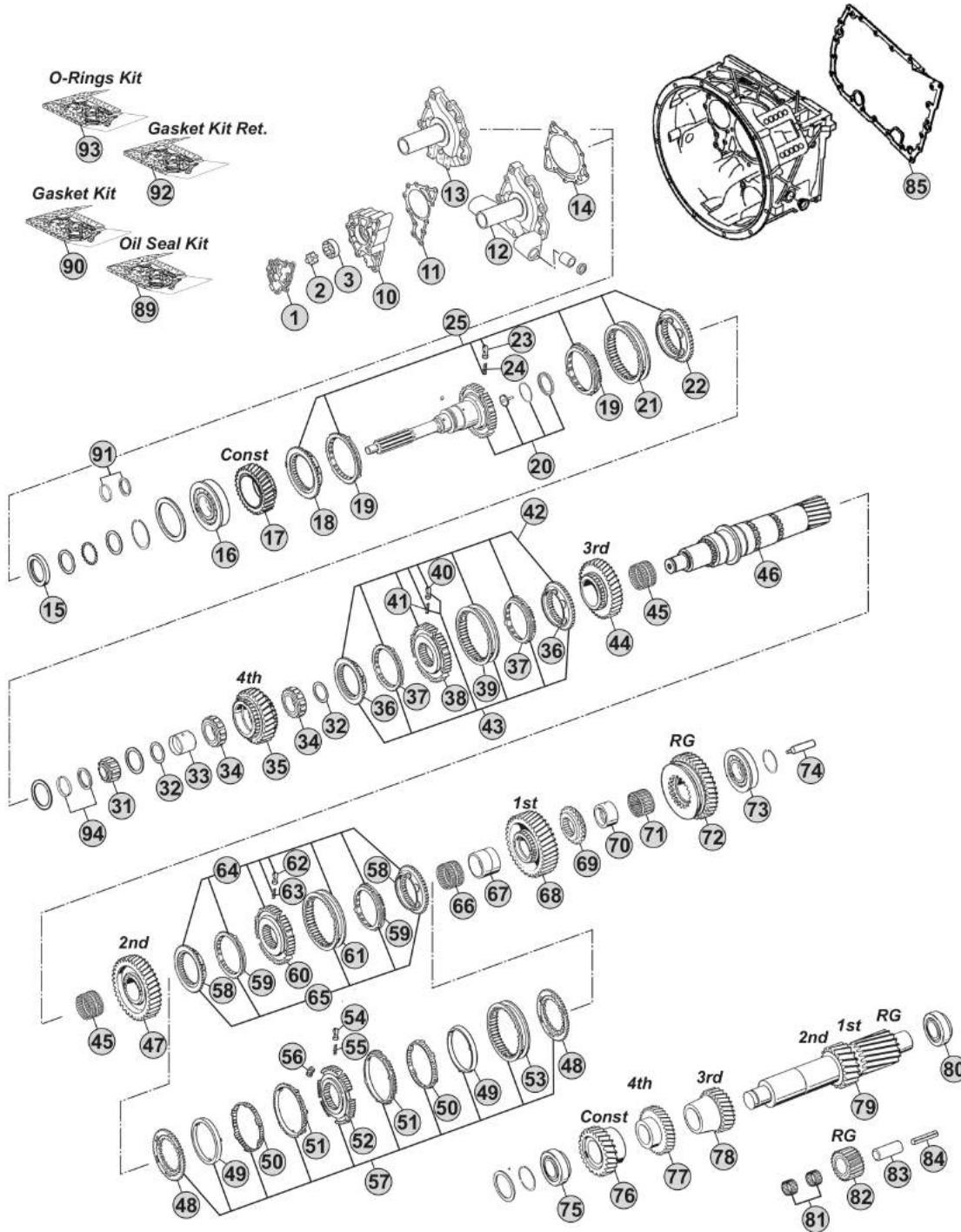
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1921 (1342 xxx xxx)



Notes

16S1921 R. 16,41-1,00

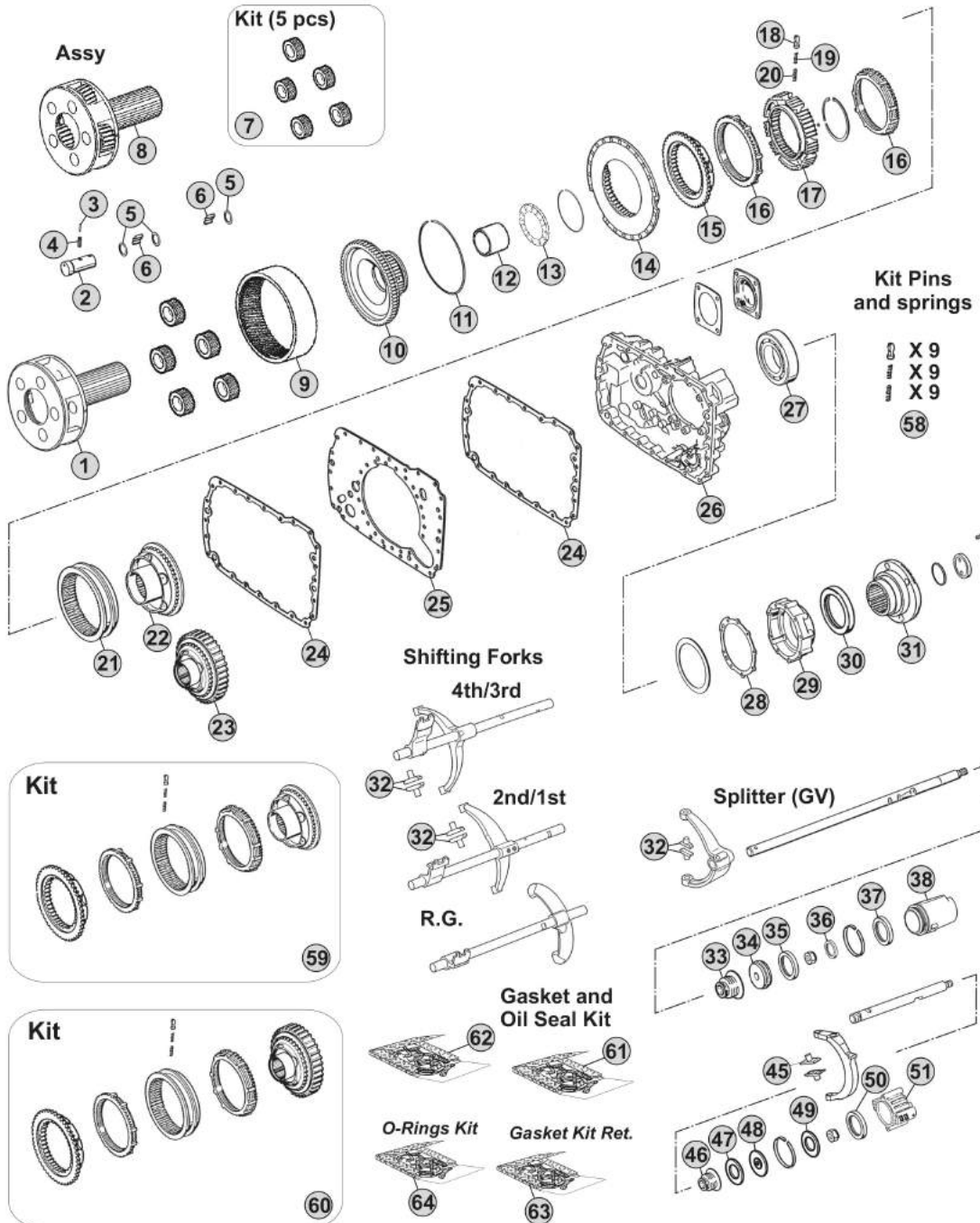
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1921 (1342 xxx xxx)

Planetary Carrier (GP)



Notes

16S1921 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1921				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31		1316 332 125	Output Flange	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

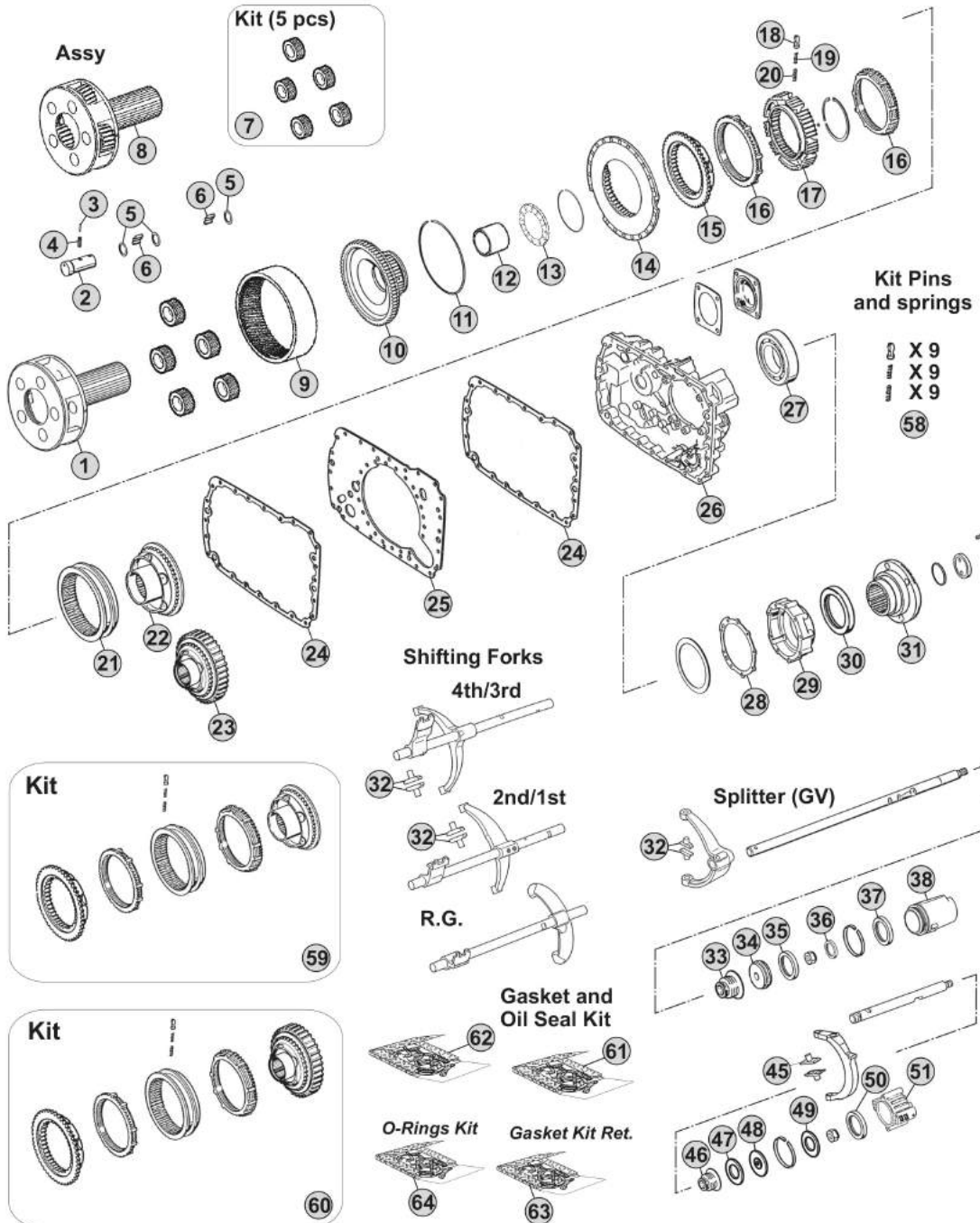
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1921 (1342 xxx xxx)

Planetary Carrier (GP)



Notes

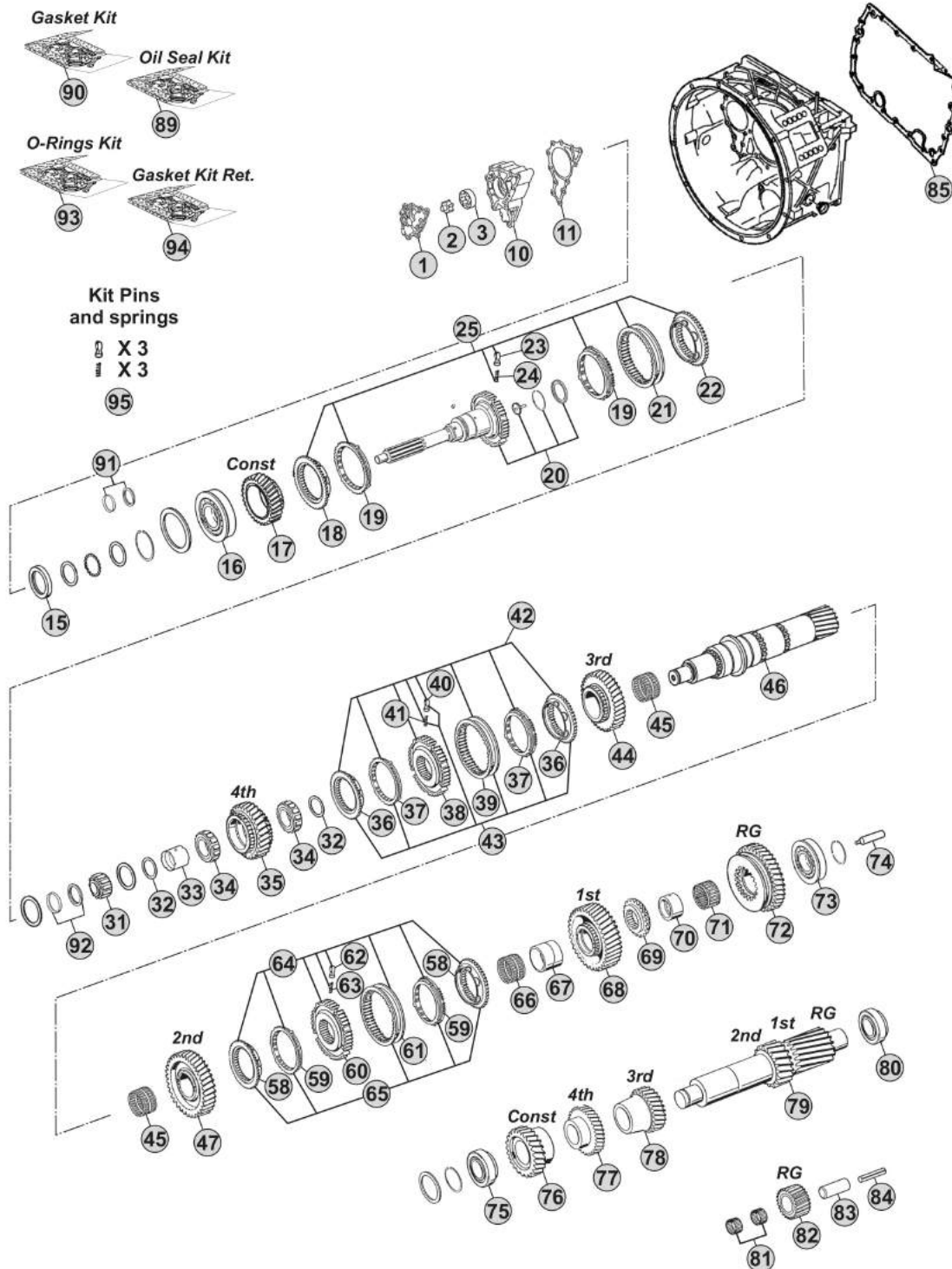
16S1921 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1922 (1342 xxx xxx)



Notes

16S1922 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1922			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.565	1316 221 019	Input Shaft	1	W/NMV	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			

 NEW ECOSPLIT III
16S1922
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

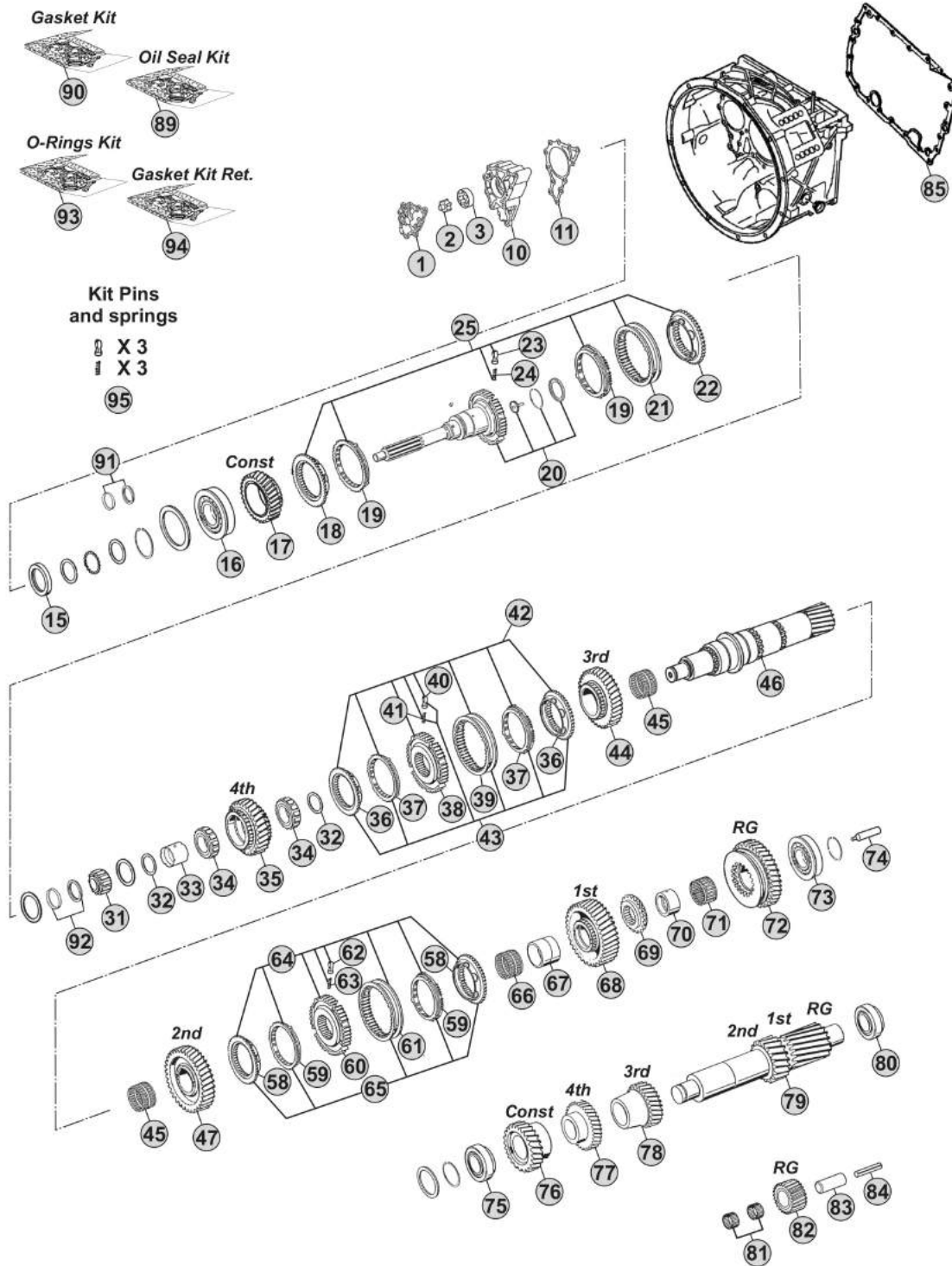
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1922 (1342 xxx xxx)



Notes

16S1922 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1922				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.486	1316 303 030	Costant Gear 39 T	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.127	1316 305 001	Reverse Gear 22 T	1		●				
83	190.301	1316 201 029	Reverse Shaft	1		●				
84	160.301	0631 329 296	Pin	1		●				
85	139.854	1315 301 233	Gasket	1		●				
89	198.838	1315 298 002	Oil Seal Kit	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

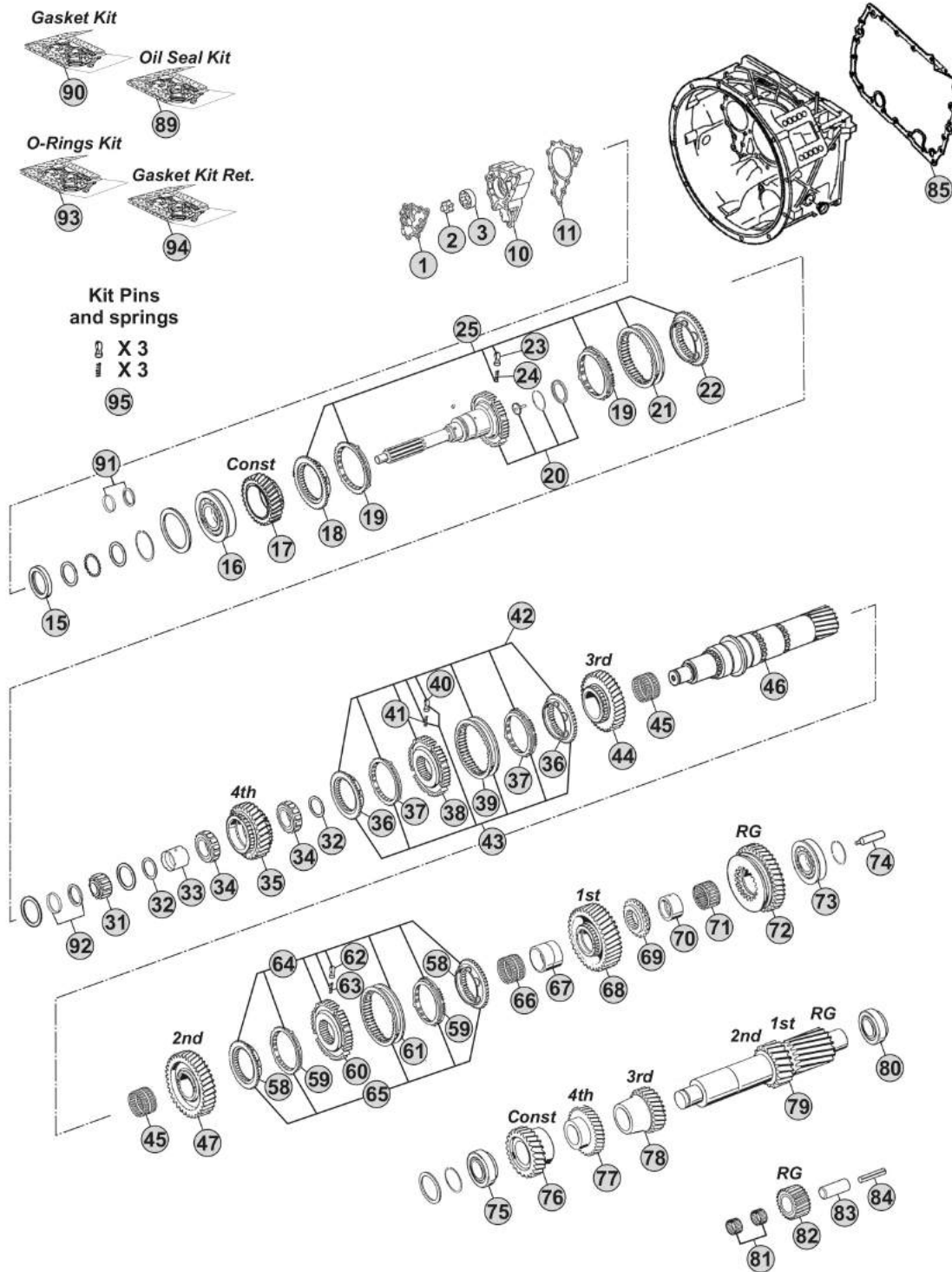
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1922 (1342 xxx xxx)



Notes

16S1922 R. 16,41-1,00

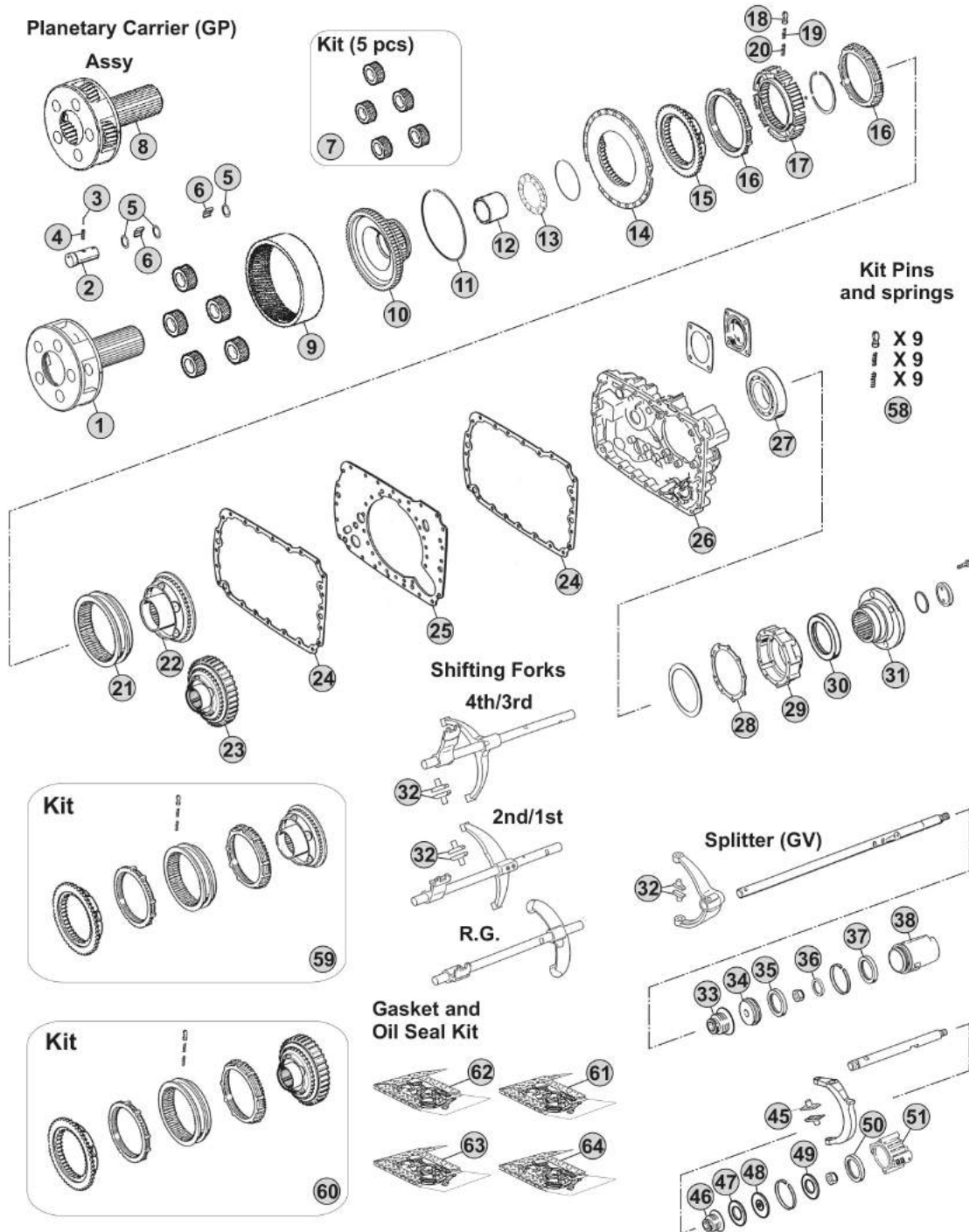
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1922 (1342 xxx xxx)



Notes

16S1922 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1922				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

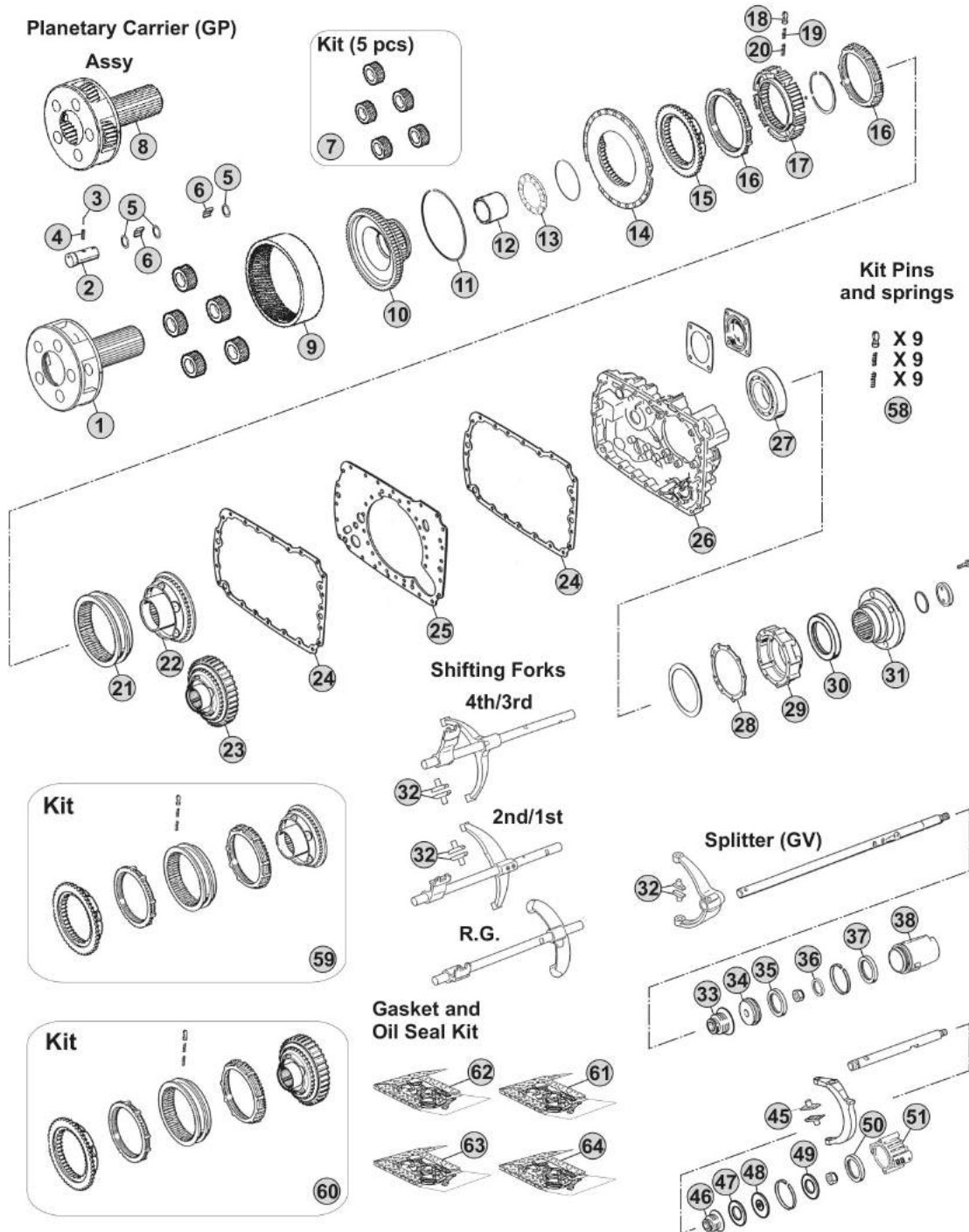
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1922 (1342 xxx xxx)



Notes

16S1922 R. 16,41-1,00

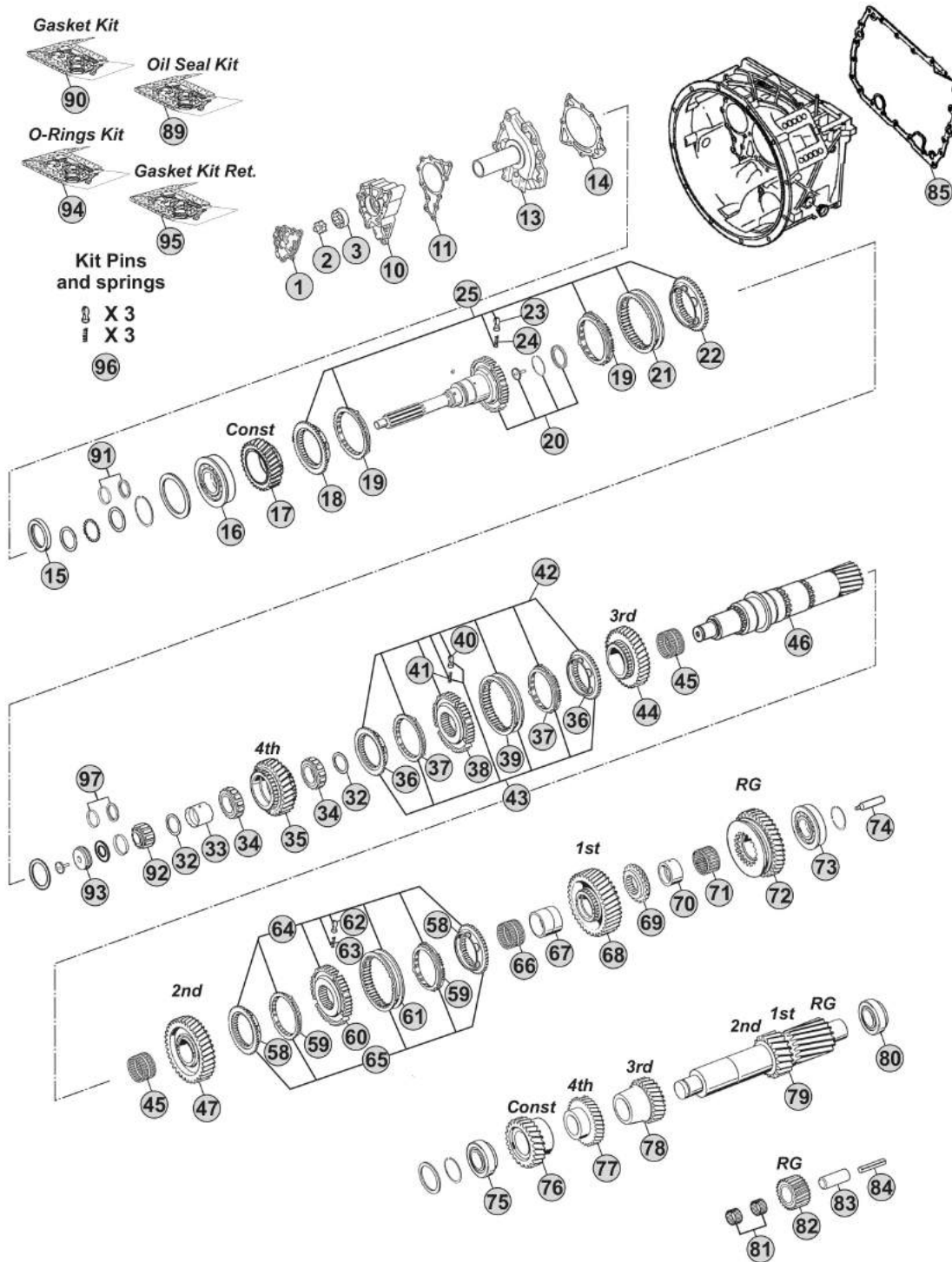
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1923 (1342 xxx xxx)



Notes

16S1923 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1923			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	102.666	1316 202 040	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

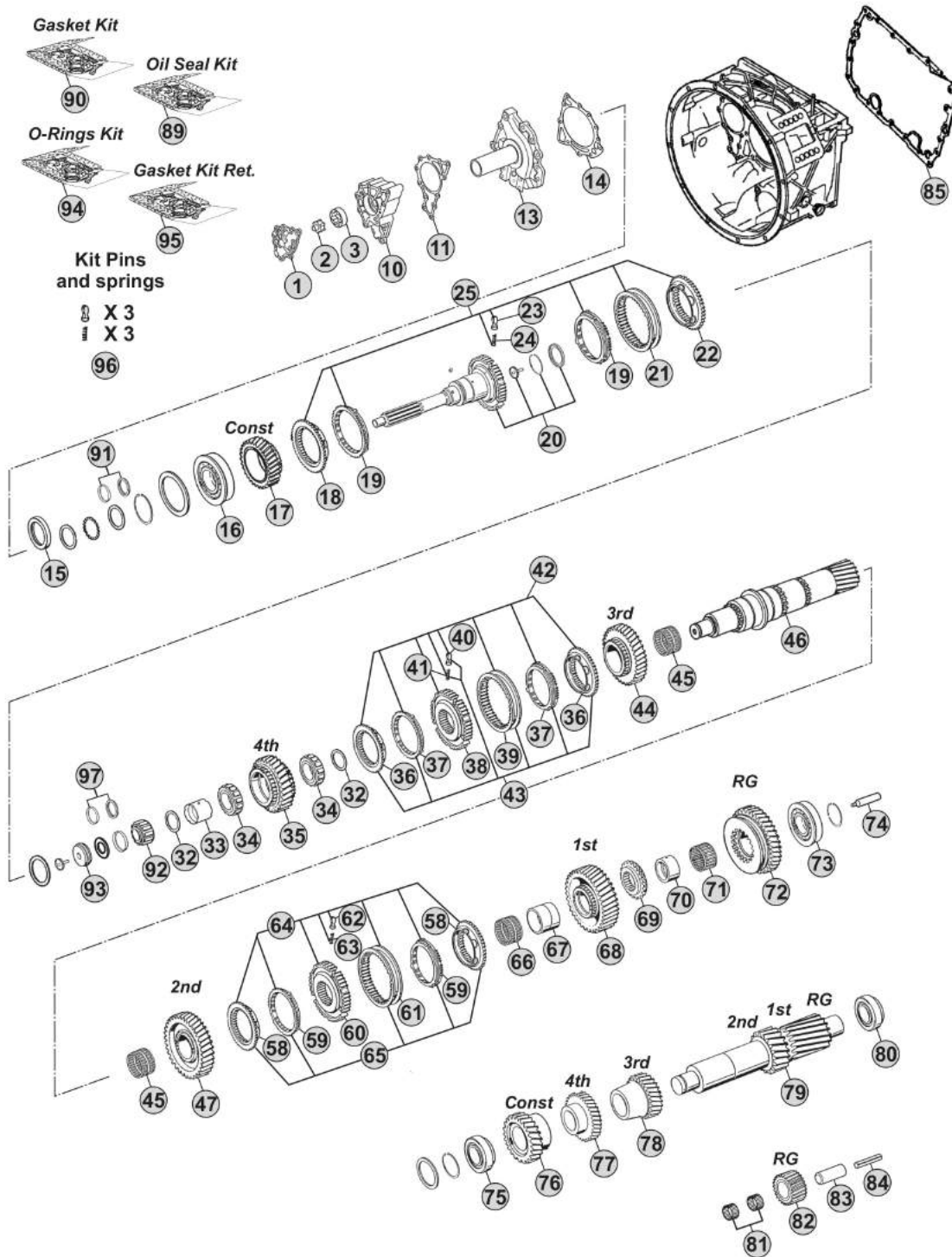
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1923 (1342 xxx xxx)



Notes

16S1923 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1923			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.290	1316 304 118	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

NEW ECOSPLIT III
16S1923

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

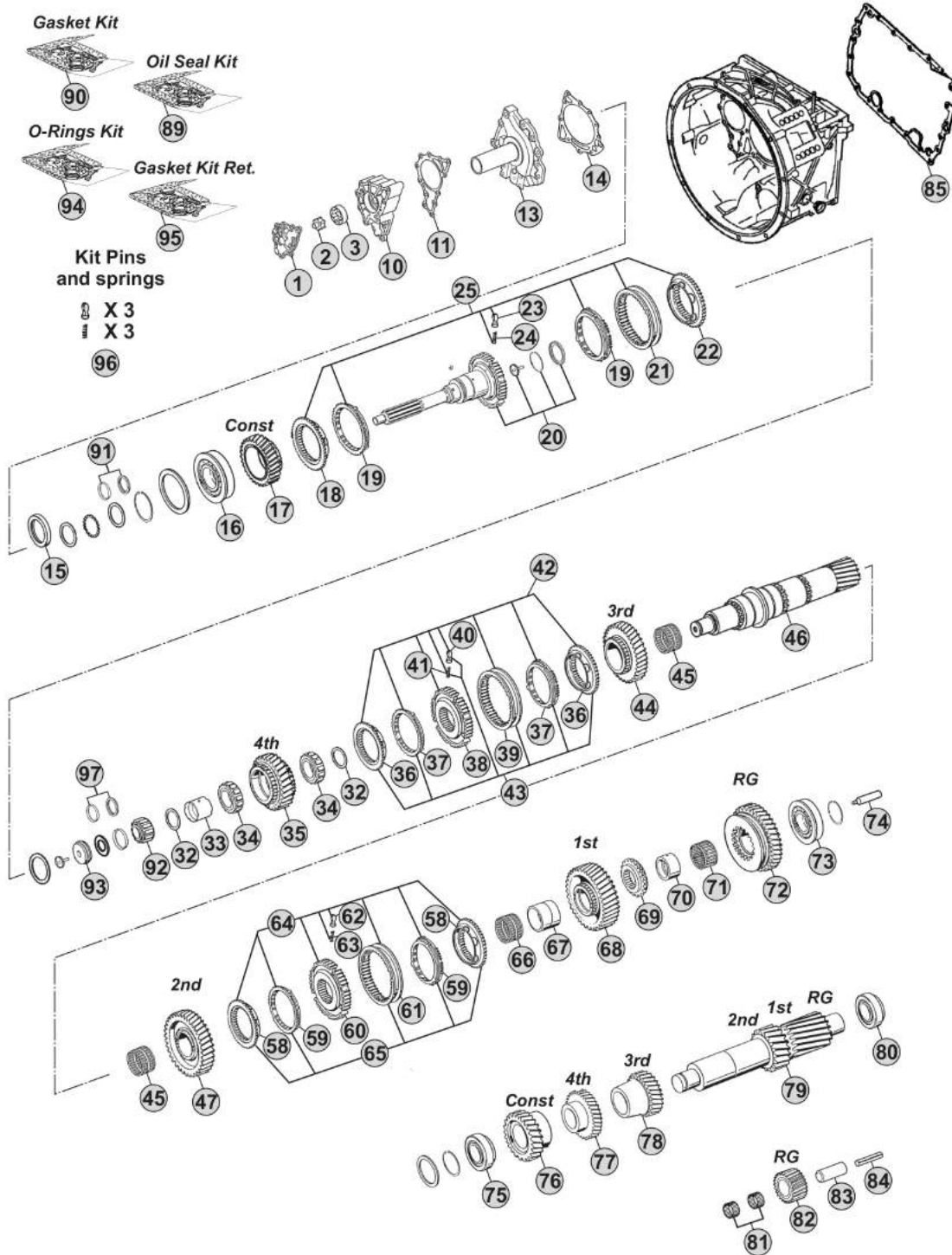
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1923 (1342 xxx xxx)



Notes

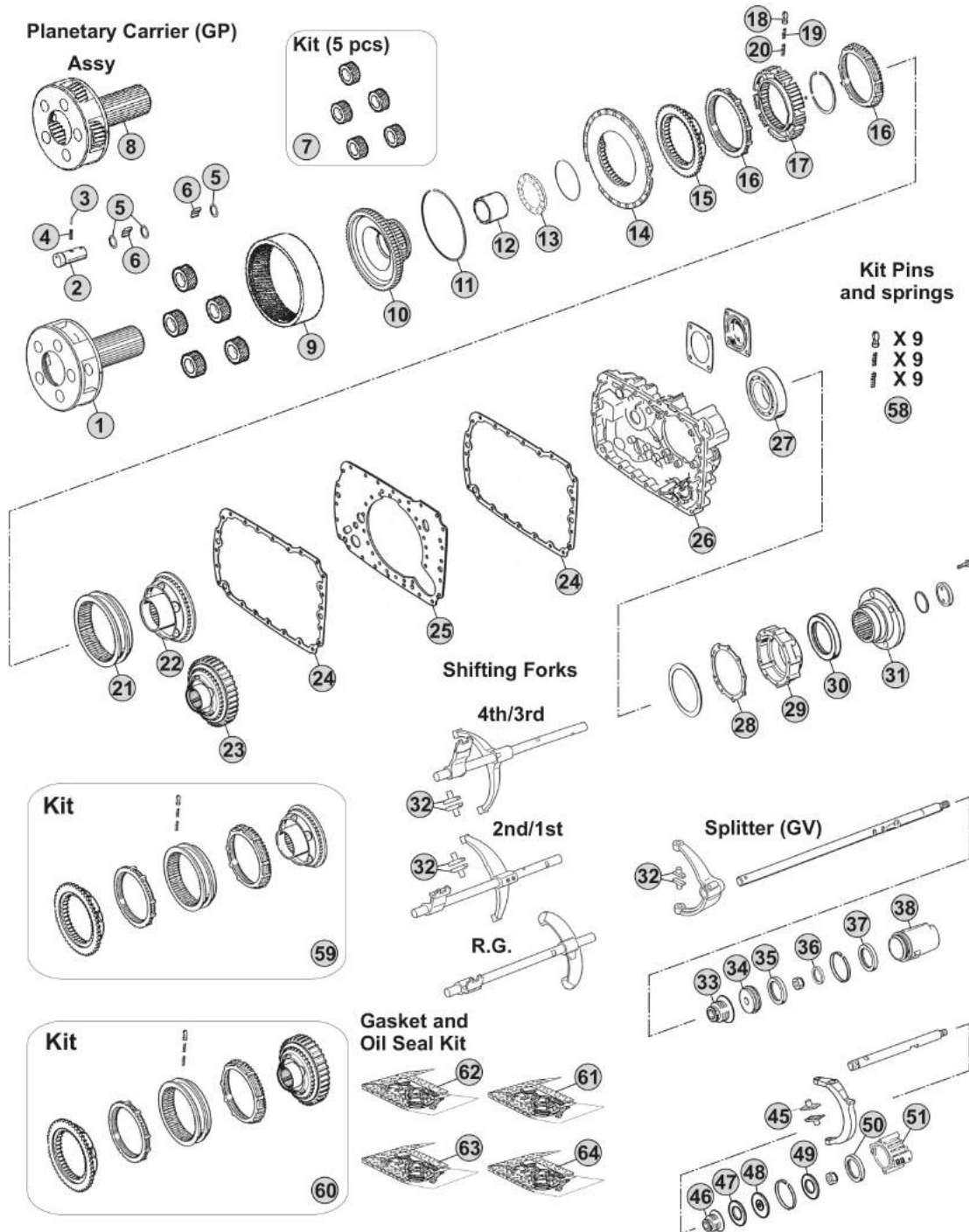
16S1923 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1923 (1342 xxx xxx)



Notes

16S1923 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1923				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

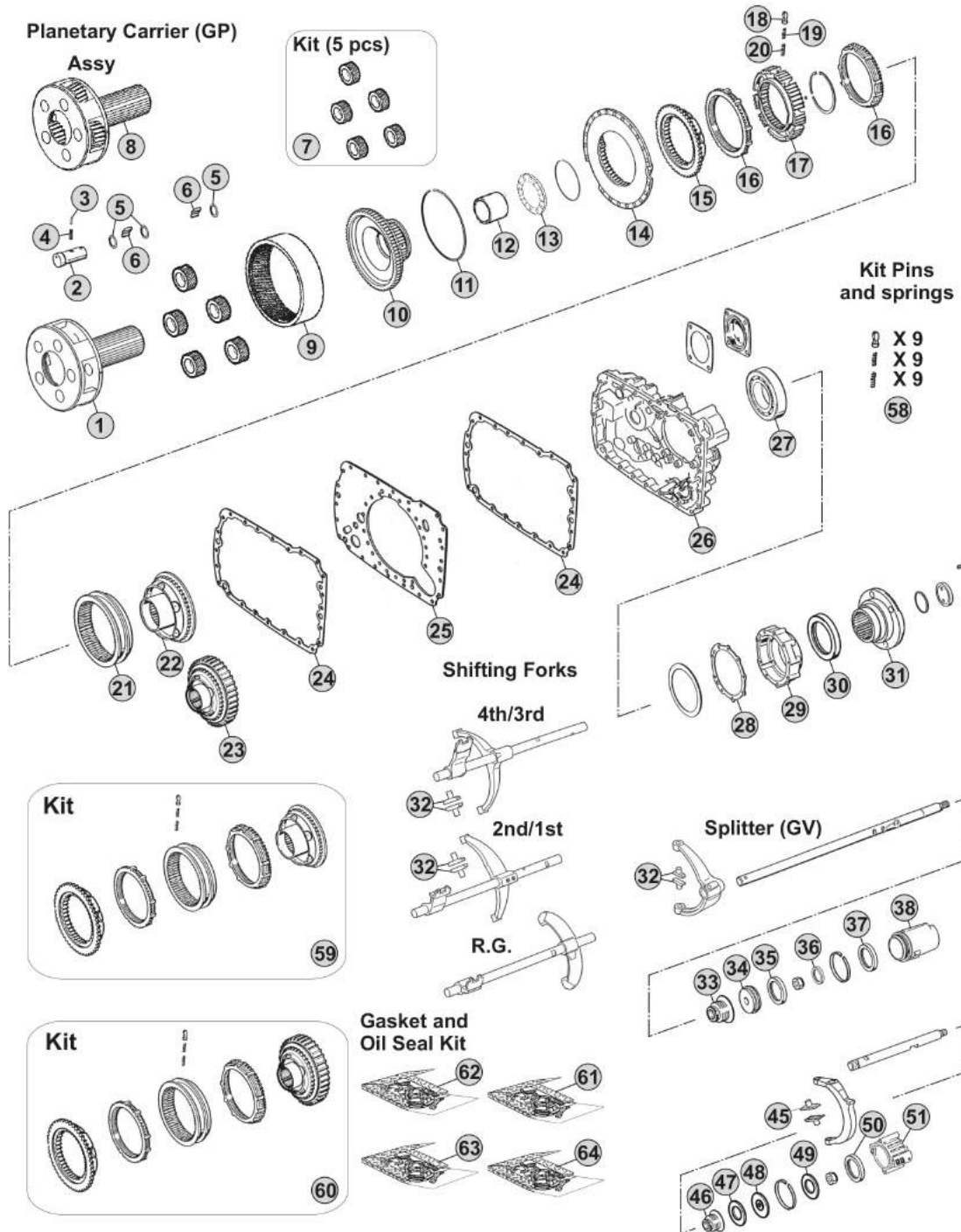
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1923 (1342 xxx xxx)



Notes

16S1923 R. 16,41-1,00

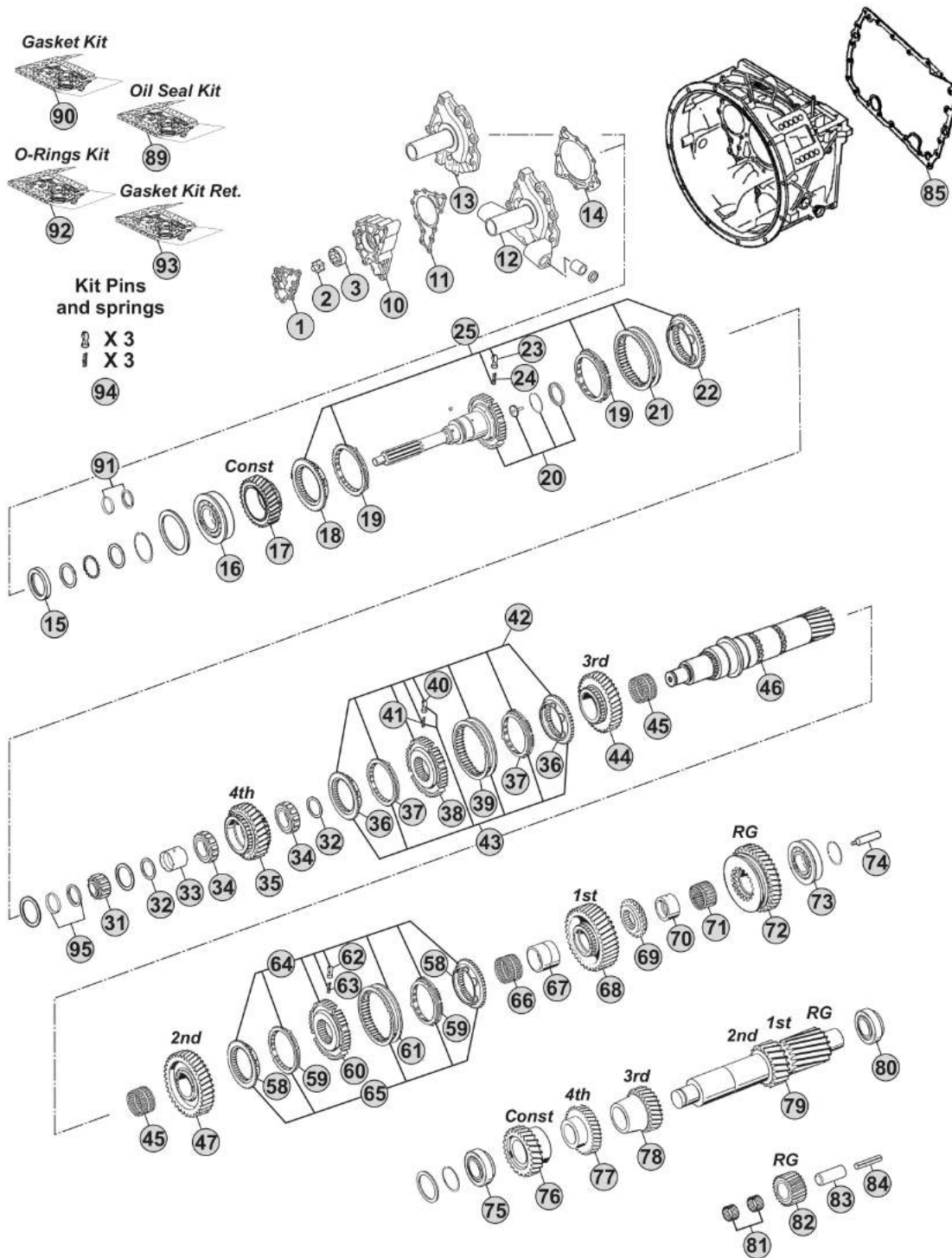
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1925 (1342 xxx xxx)



Notes

16S1925 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1925			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

 NEW ECOSPLIT III
16S1925
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

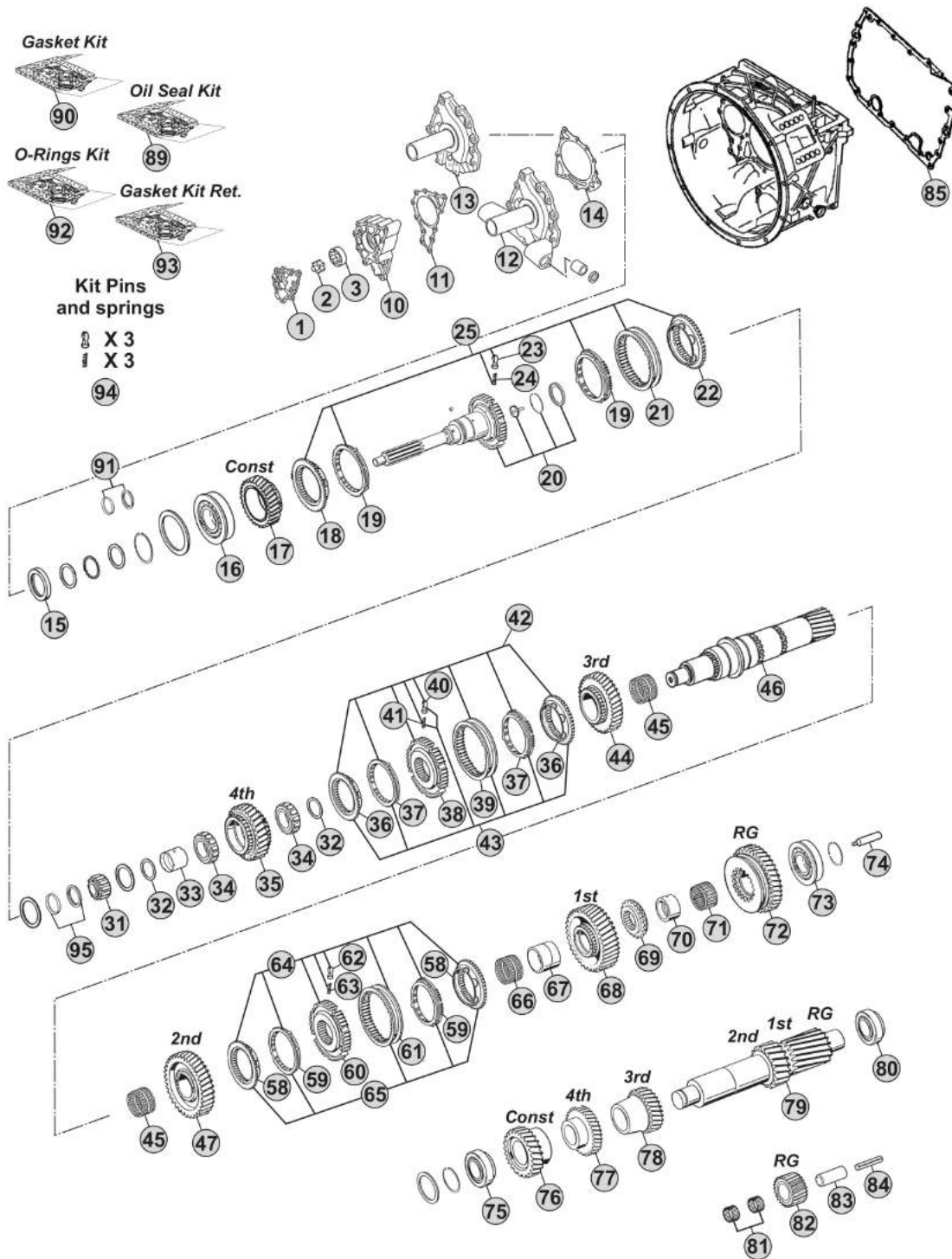
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1925 (1342 xxx xxx)



Notes

16S1925 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1925				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.486	1316 303 030	Costant Gear 39 T	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				

Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

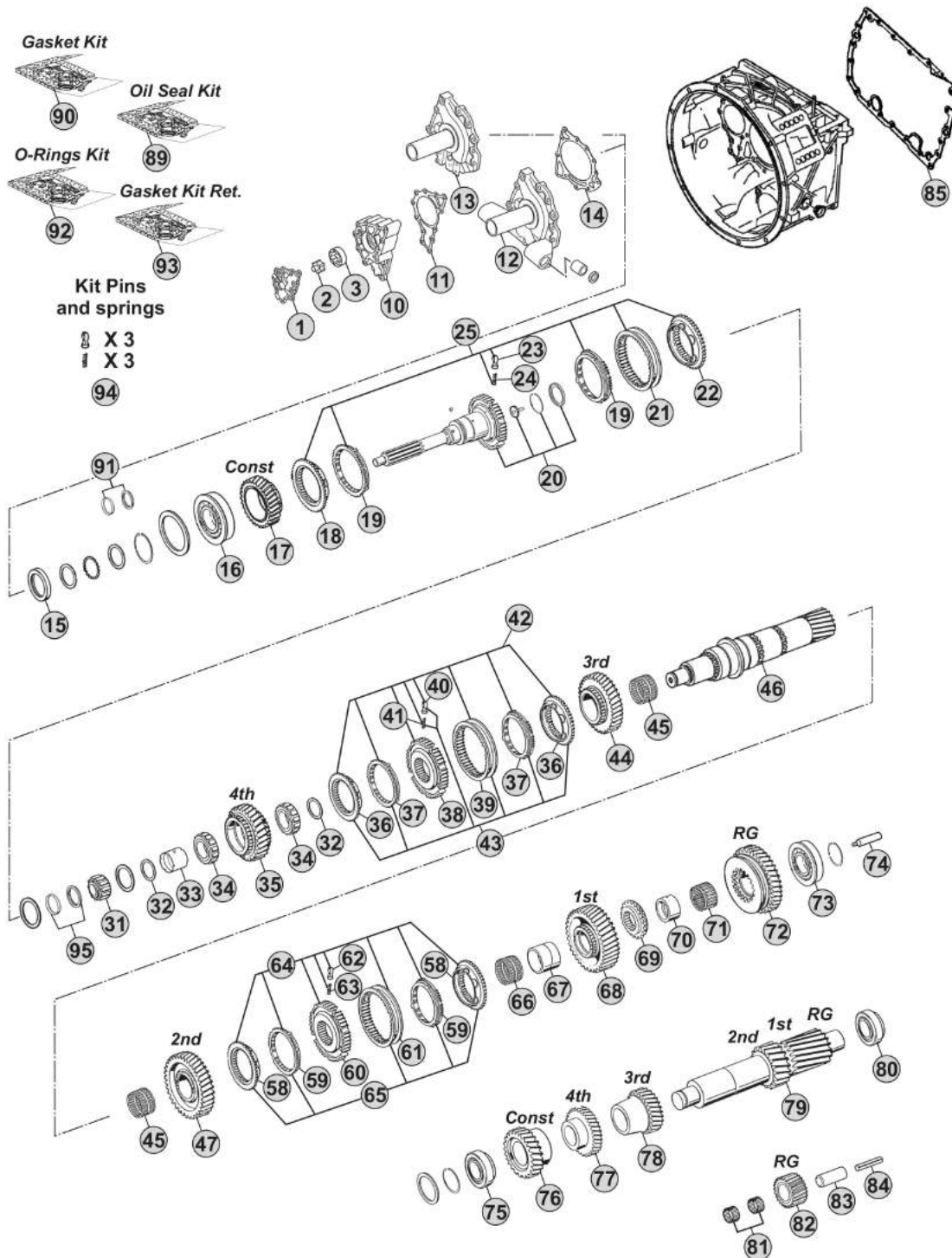
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1925 (1342 xxx xxx)



Notes

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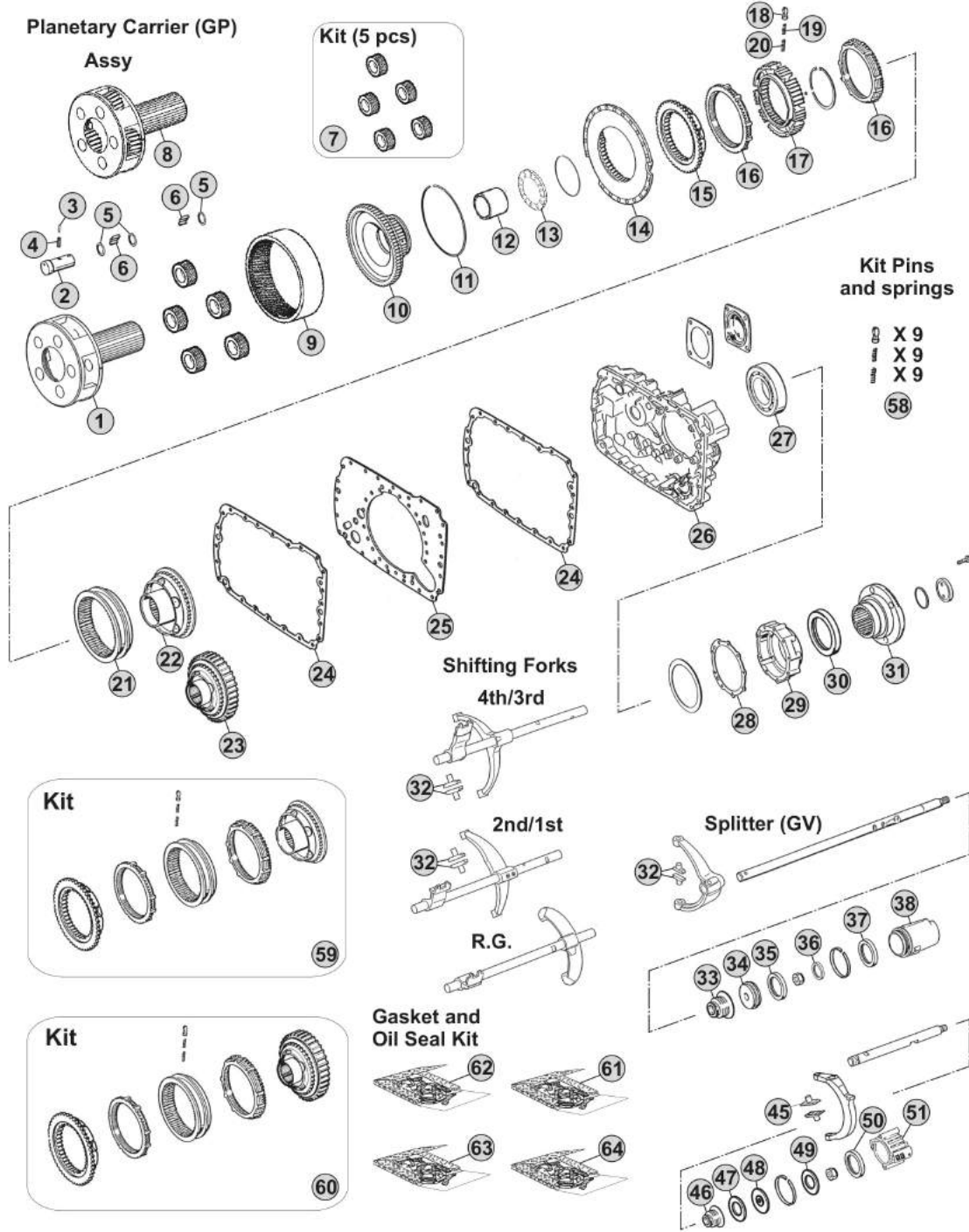
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1925 (1342 xxx xxx)



Notes

16S1925 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S1925				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
31		1316 332 125	Output Flange	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

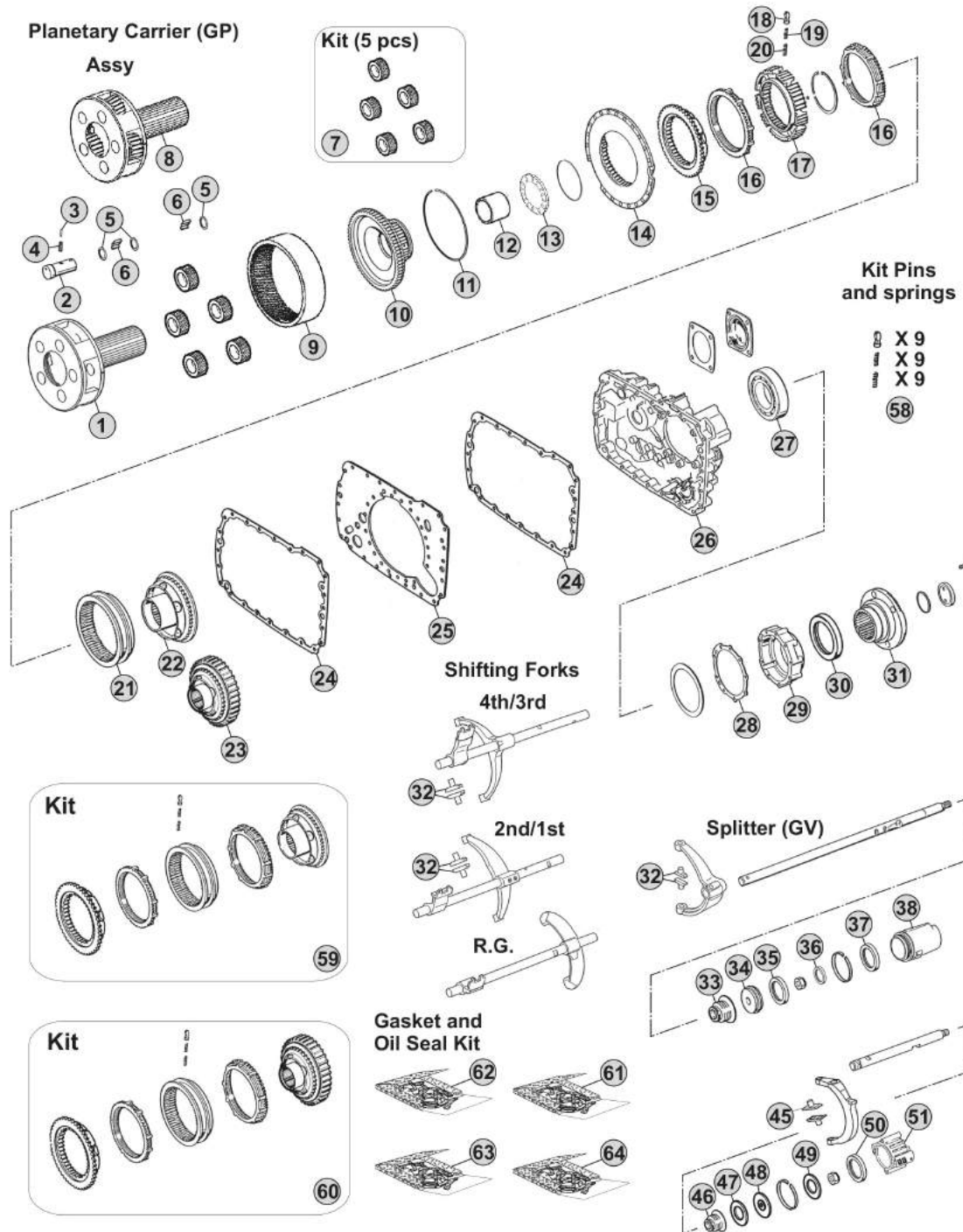
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S1925 (1342 xxx xxx)



Notes

16S1925 R. 16,41-1,00

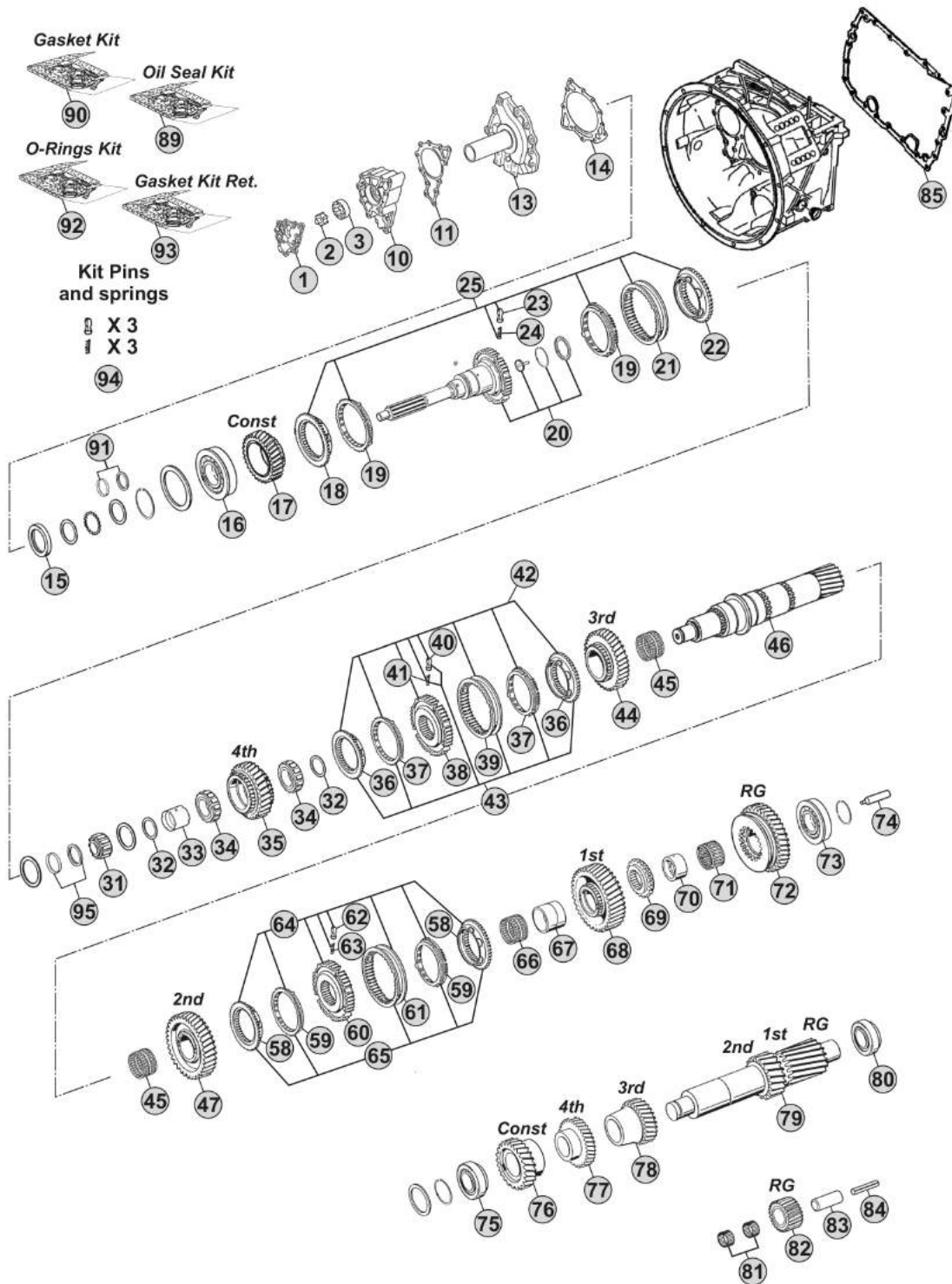
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2020 (1342 xxx xxx)



Notes

16S2020 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2020			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

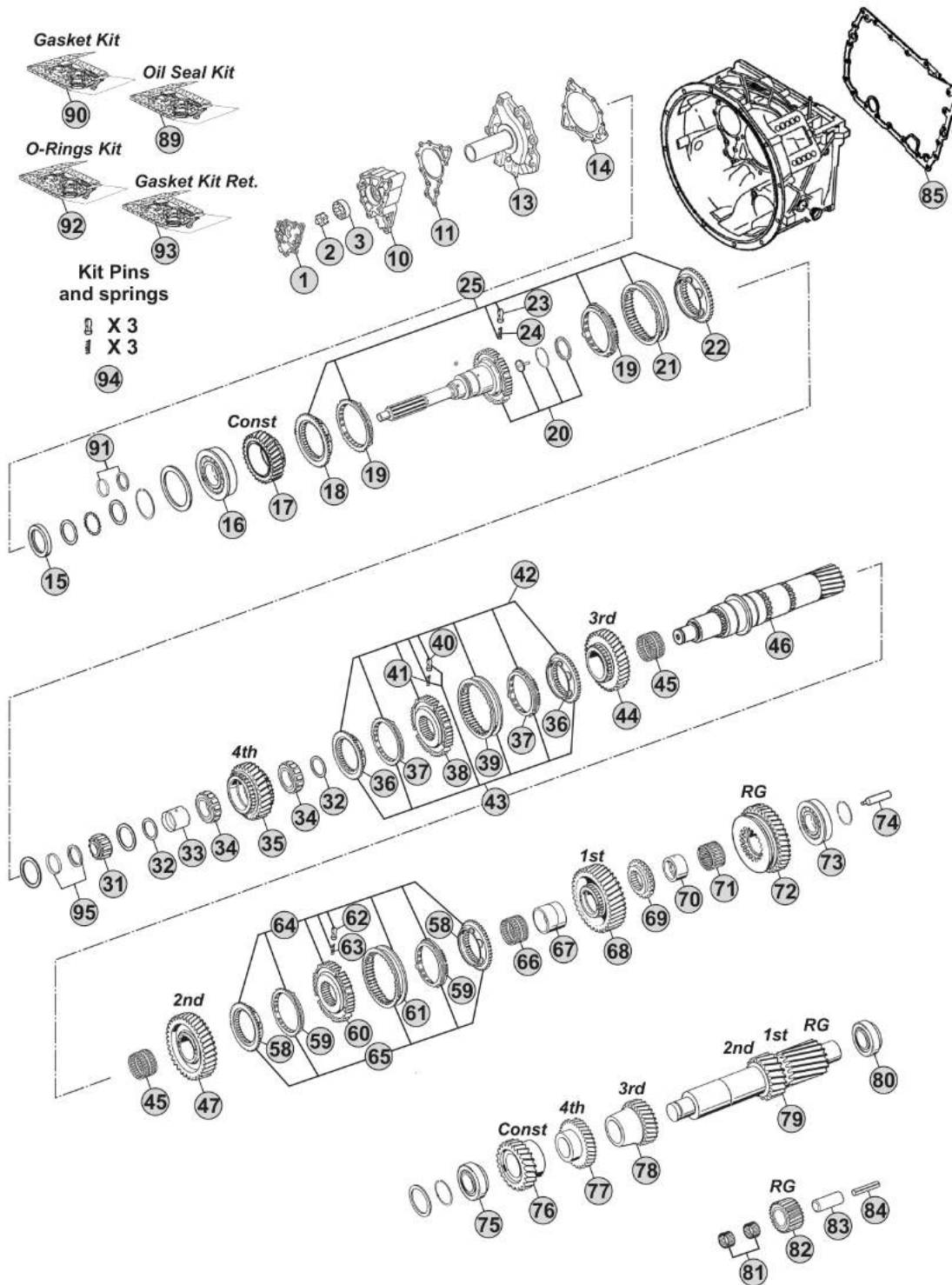
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2020 (1342 xxx xxx)



Notes

16S2020 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2020			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2020
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

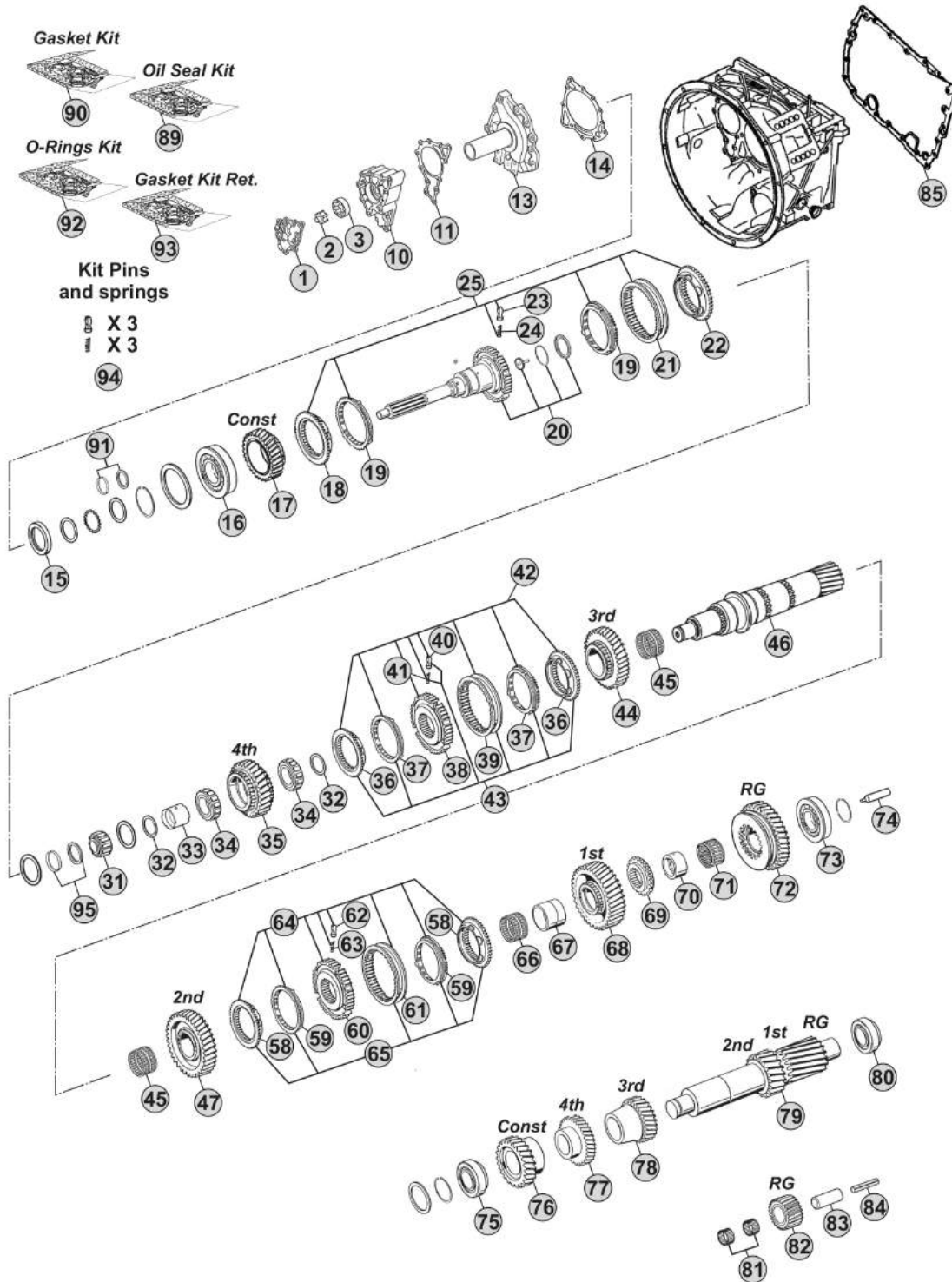
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2020 (1342 xxx xxx)



Notes

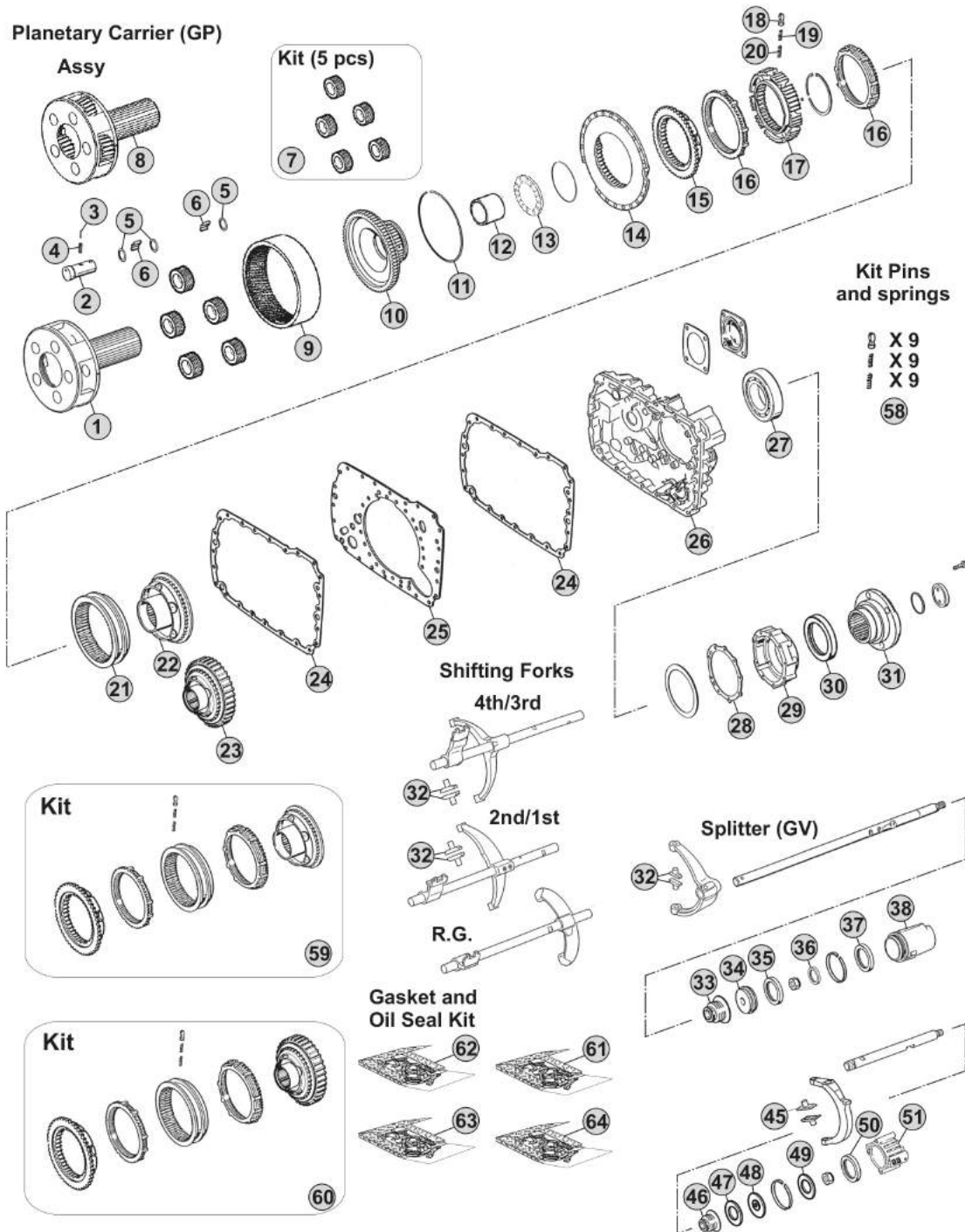
16S2020 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2020 (1342 xxx xxx)



Notes

16S2020 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2020				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

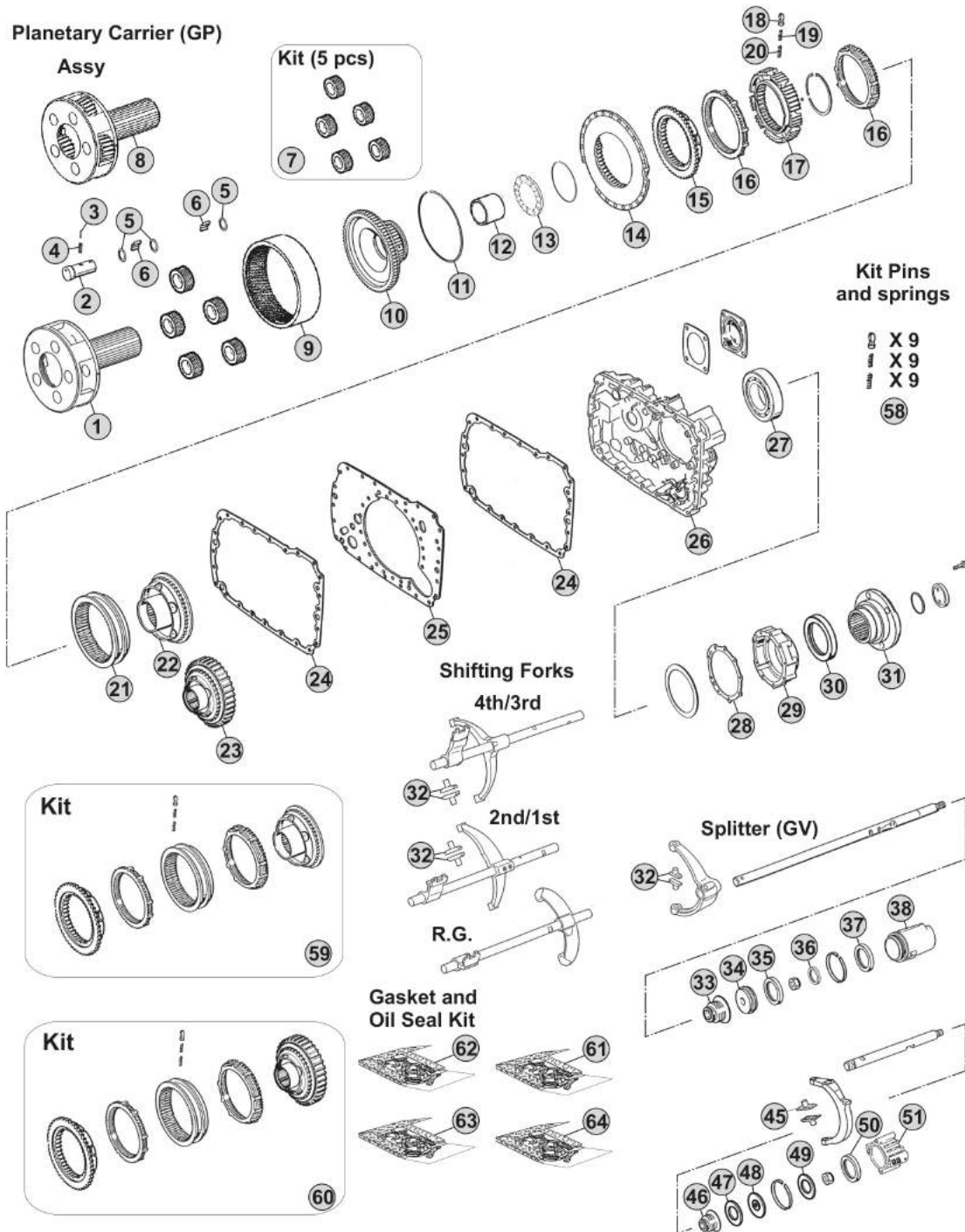
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2020 (1342 xxx xxx)



Notes

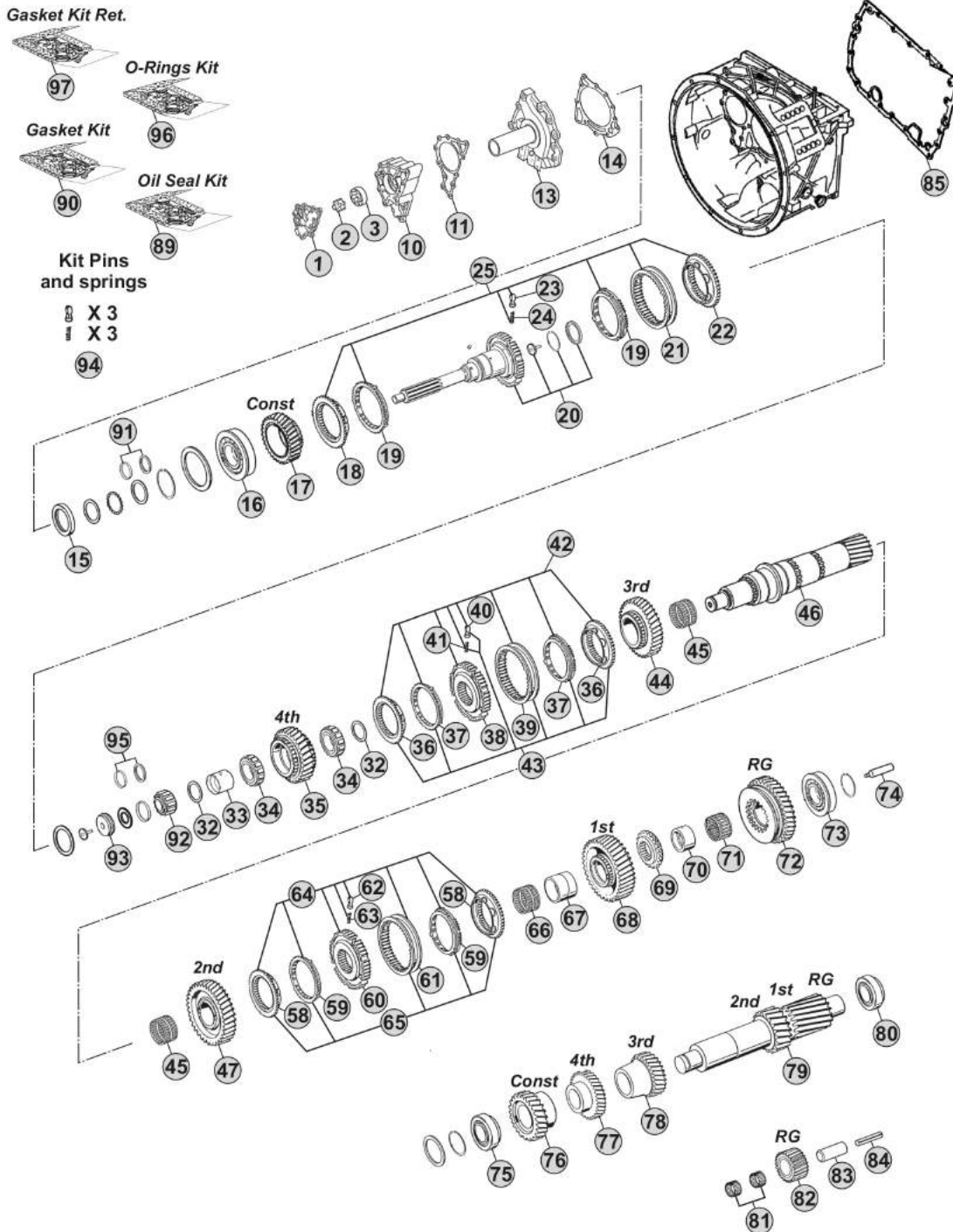
16S2020 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2023 (1342 xxx xxx)



Notes

16S2023 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2023				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.483	1316 302 066	Constant Gear 30 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	102.666	1316 202 040	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

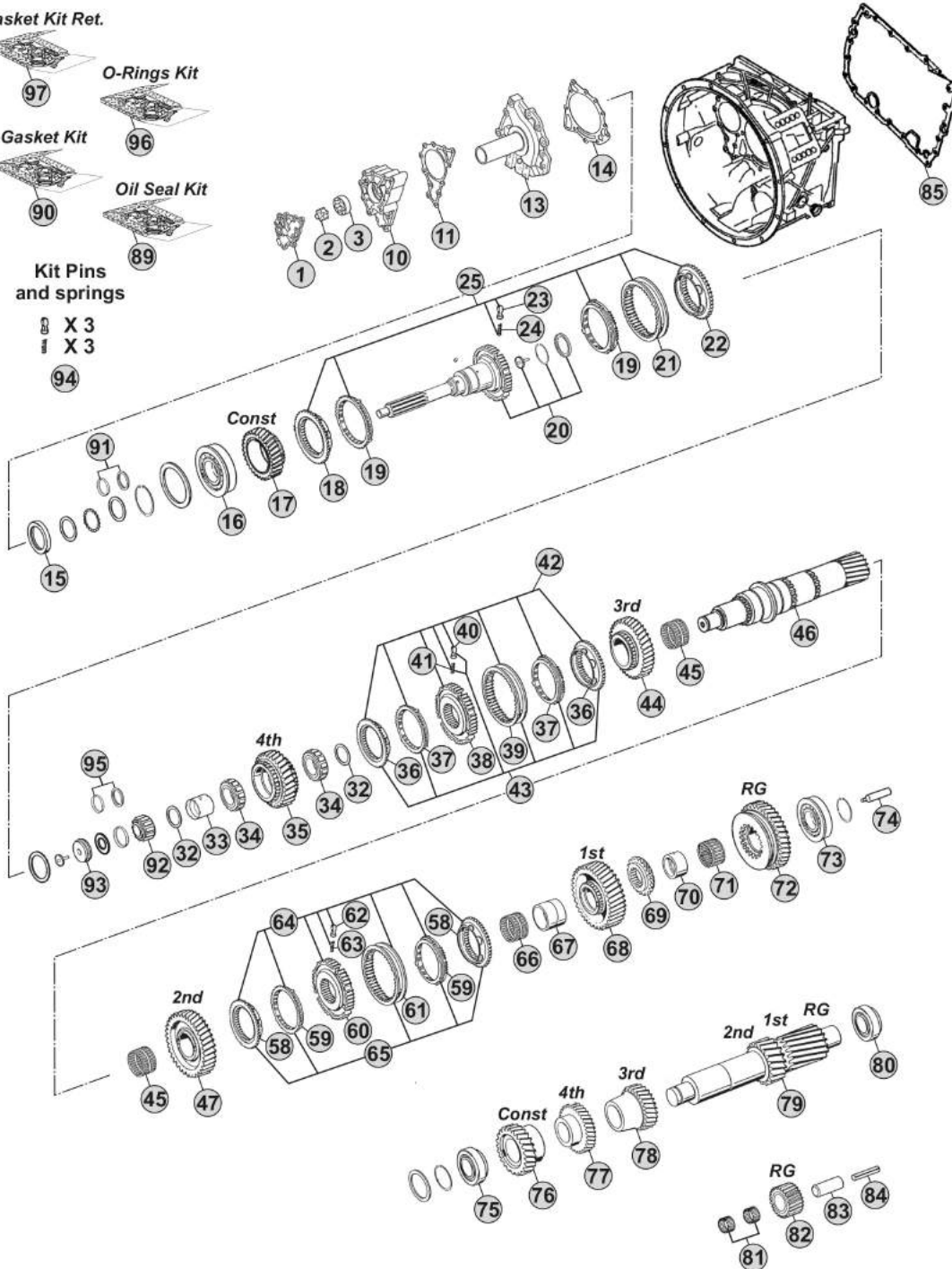
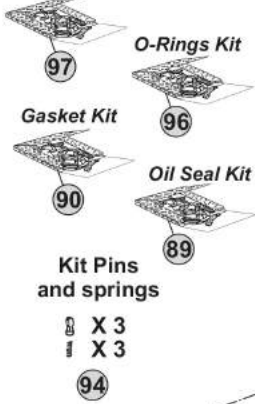
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2023 (1342 xxx xxx)

Gasket Kit Ret.



Notes

16S2023 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2023				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.290	1316 304 118	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.486	1316 303 030	Costant Gear 39 T	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.127	1316 305 001	Reverse Gear 22 T	1		●				
83	190.301	1316 201 029	Reverse Shaft	1		●				
84	160.301	0631 329 296	Pin	1		●				
85	139.854	1315 301 233	Gasket	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

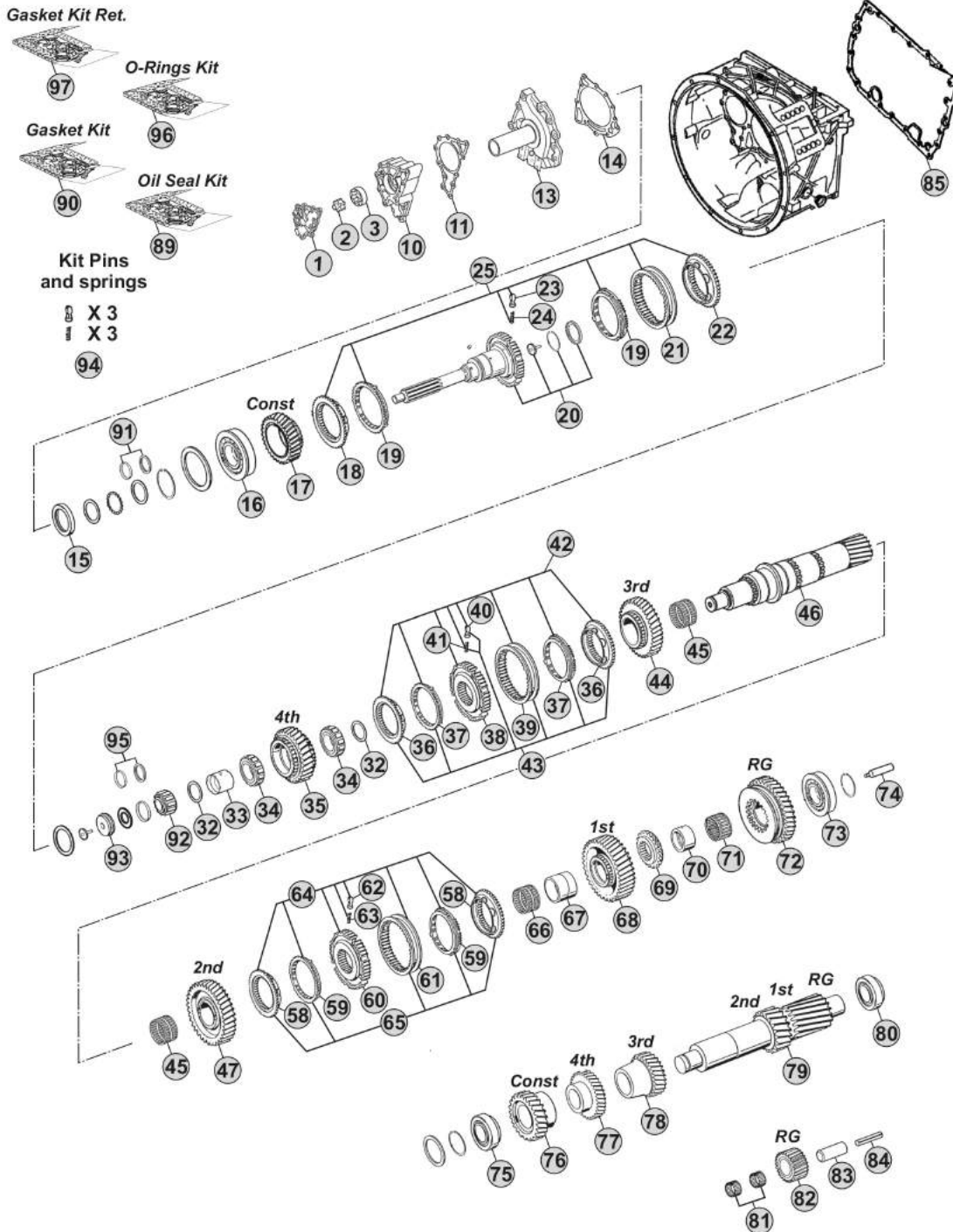
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2023 (1342 xxx xxx)



Notes

16S2023 R. 16,41-1,00

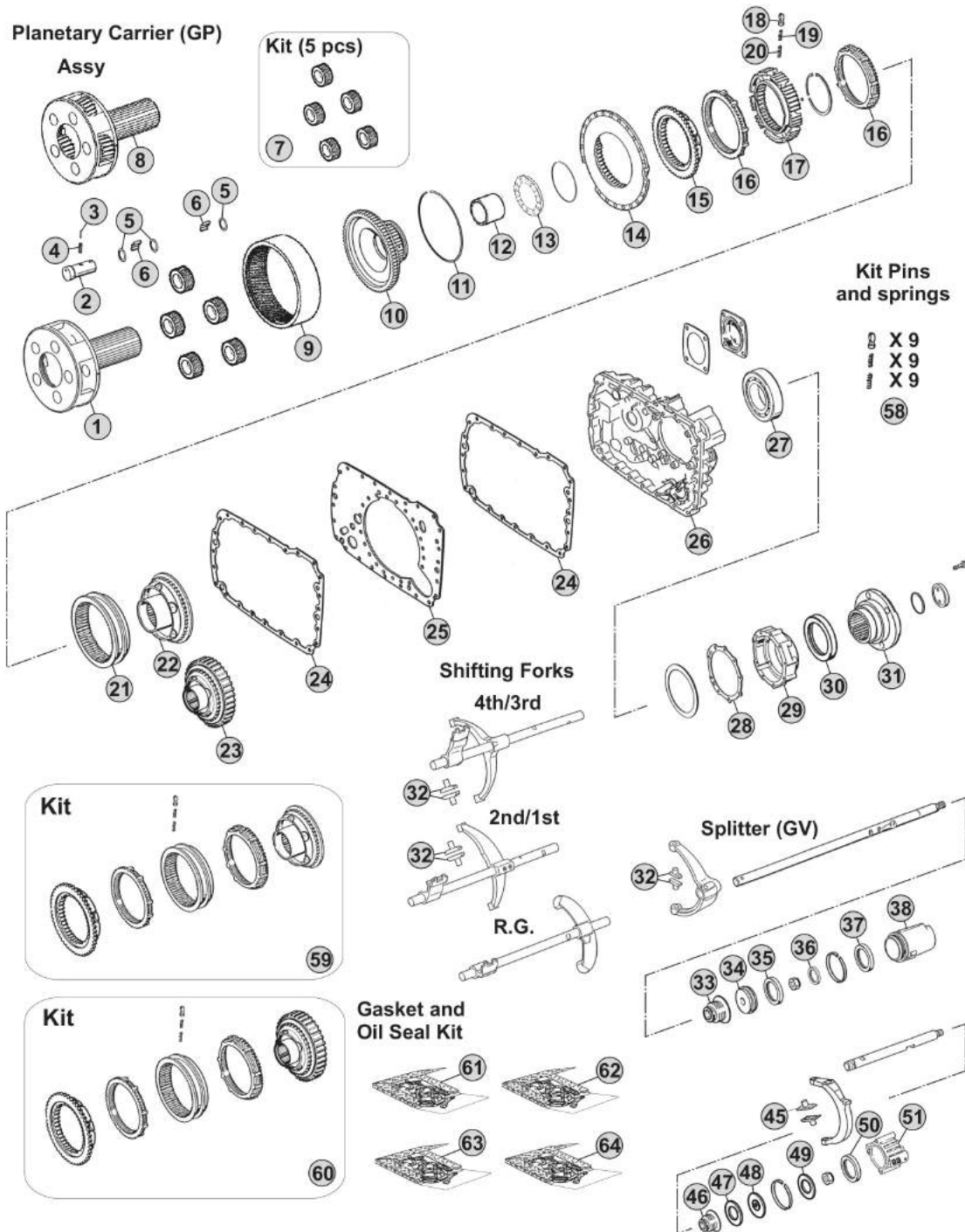
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2023 (1342 xxx xxx)



Notes

16S2023 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2023				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

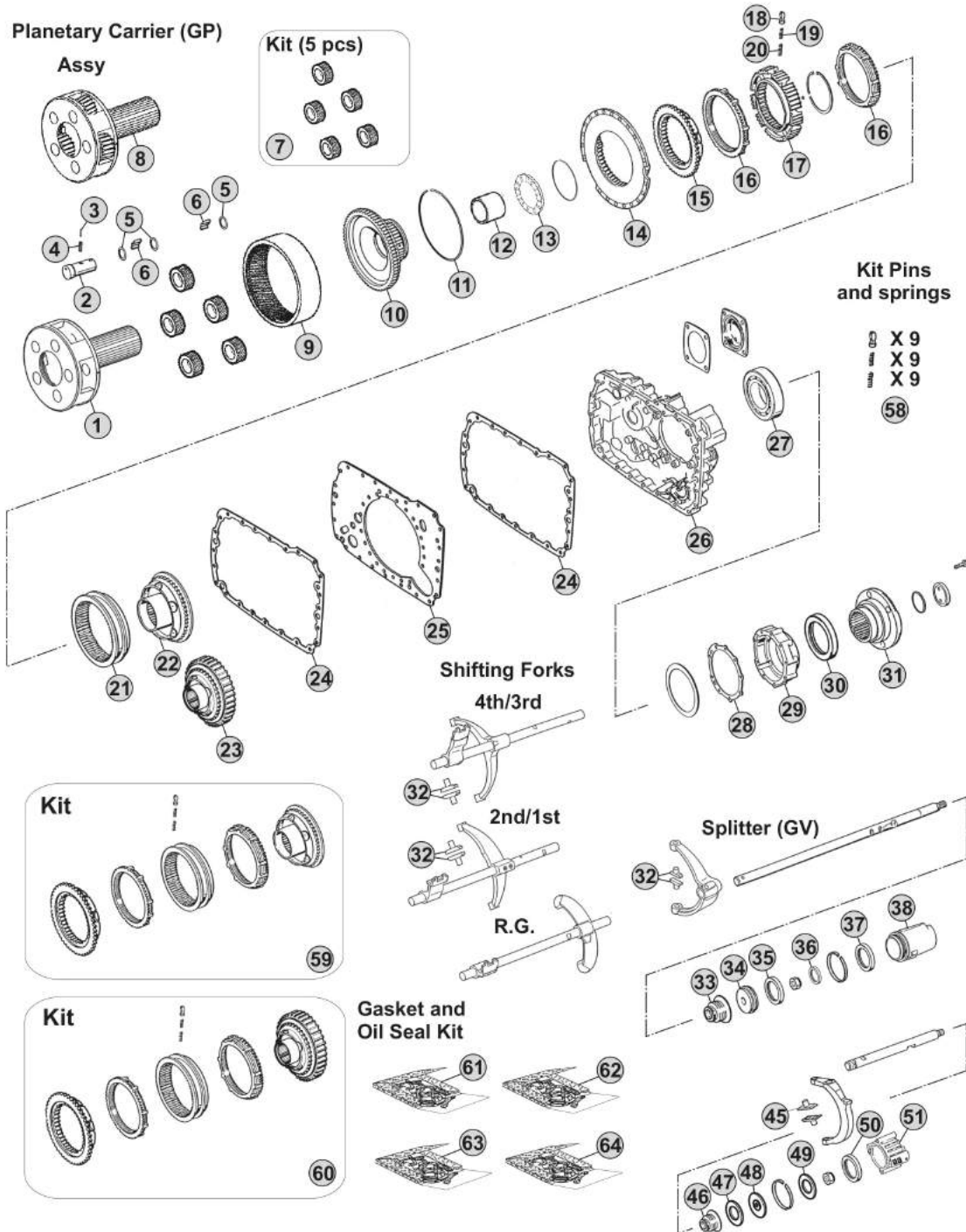
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2023 (1342 xxx xxx)



Notes

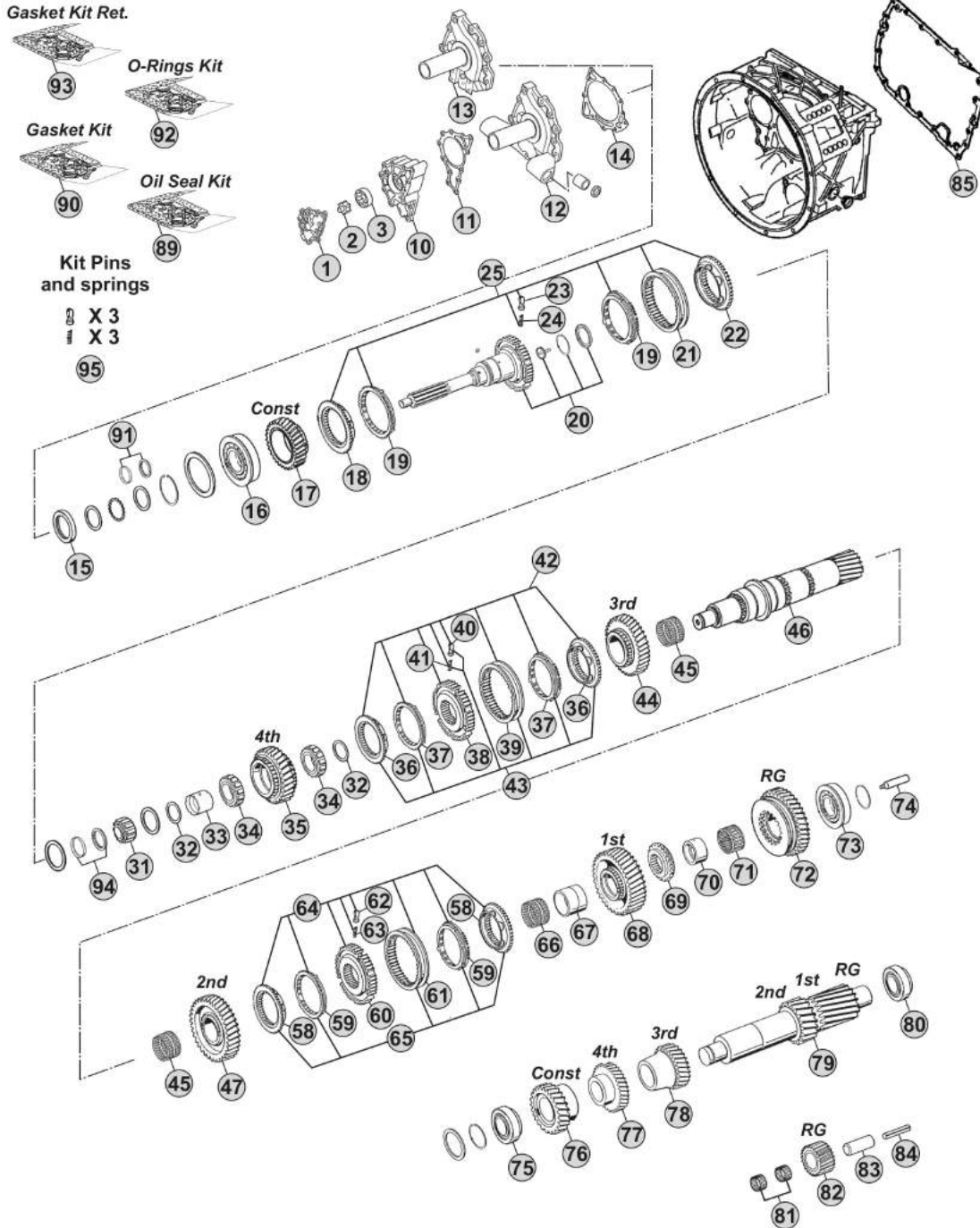
16S2023 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1342 xxx xxx)



Notes

16S2220 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2220			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

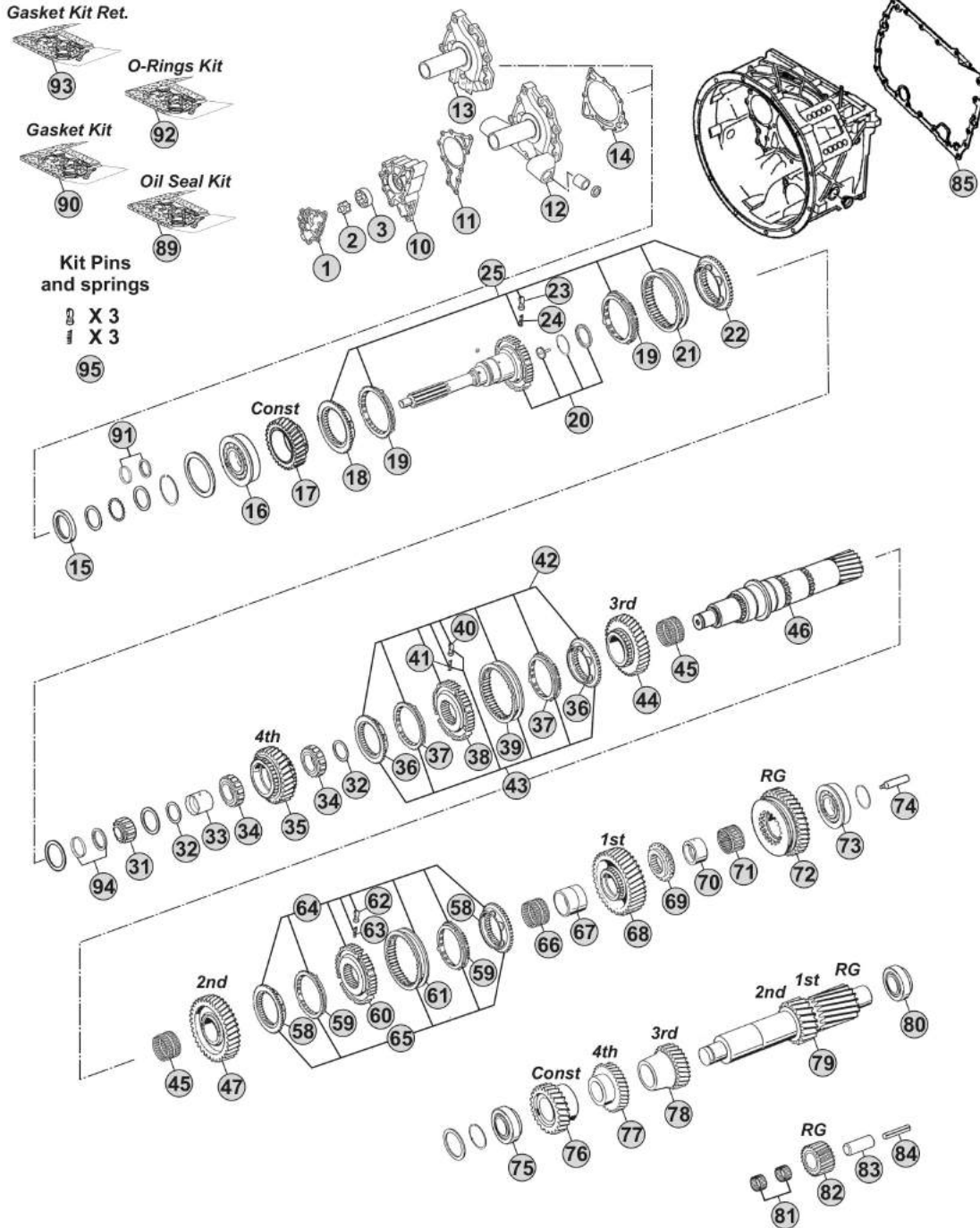
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1342 xxx xxx)



Notes

16S2220 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2220			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			

Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

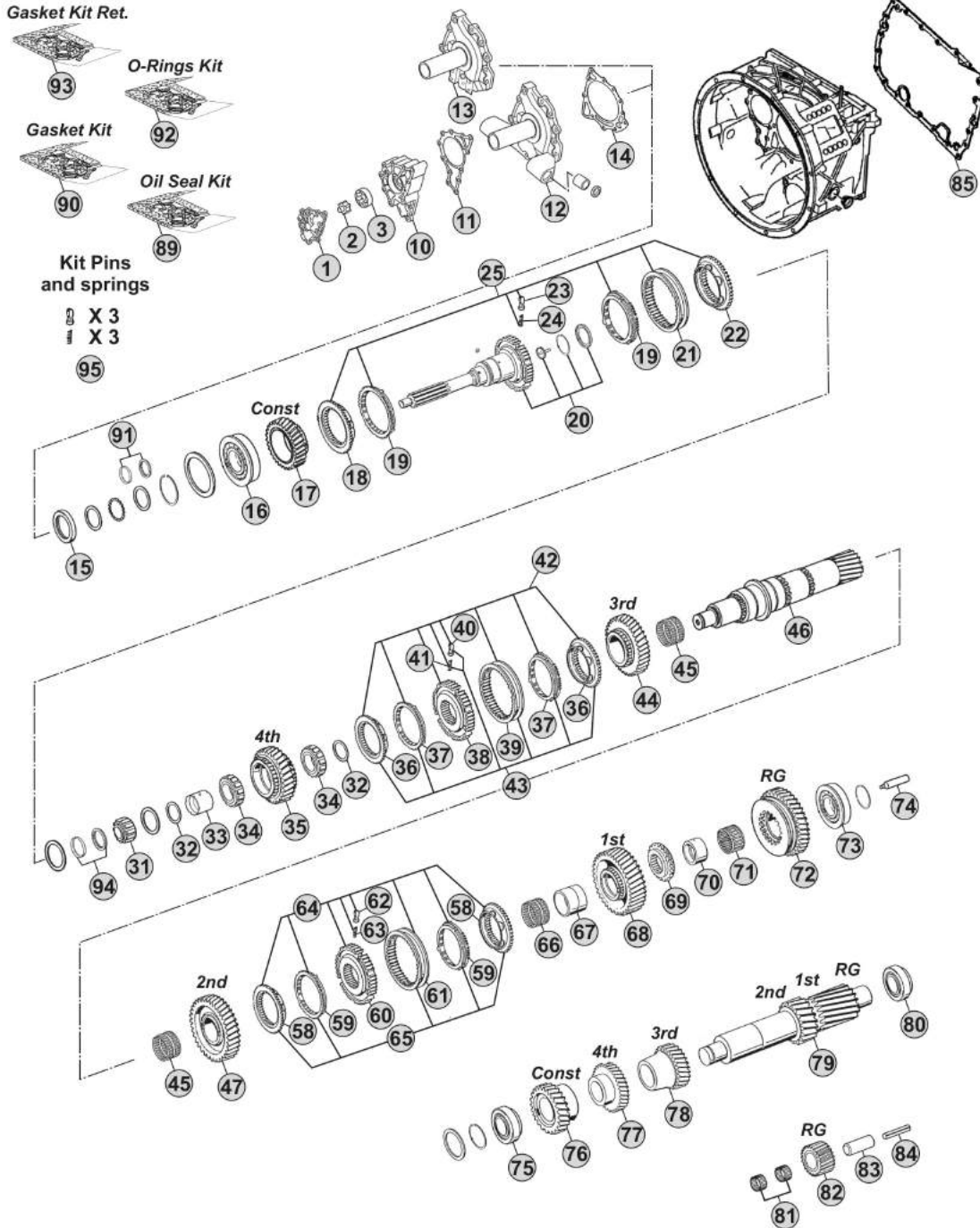
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1342 xxx xxx)



Notes

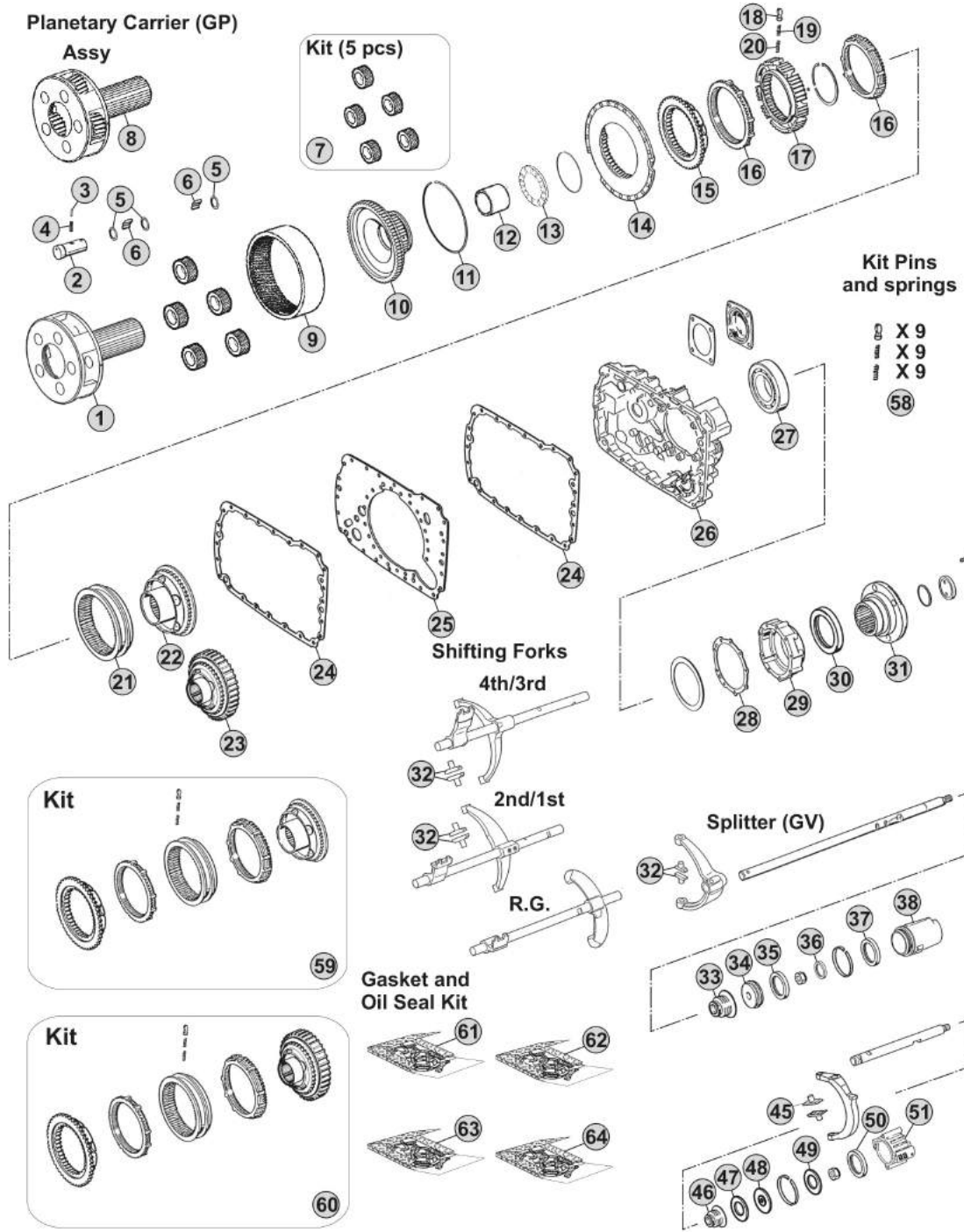
16S2220 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1342 xxx xxx)



Notes

16S2220 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2220				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

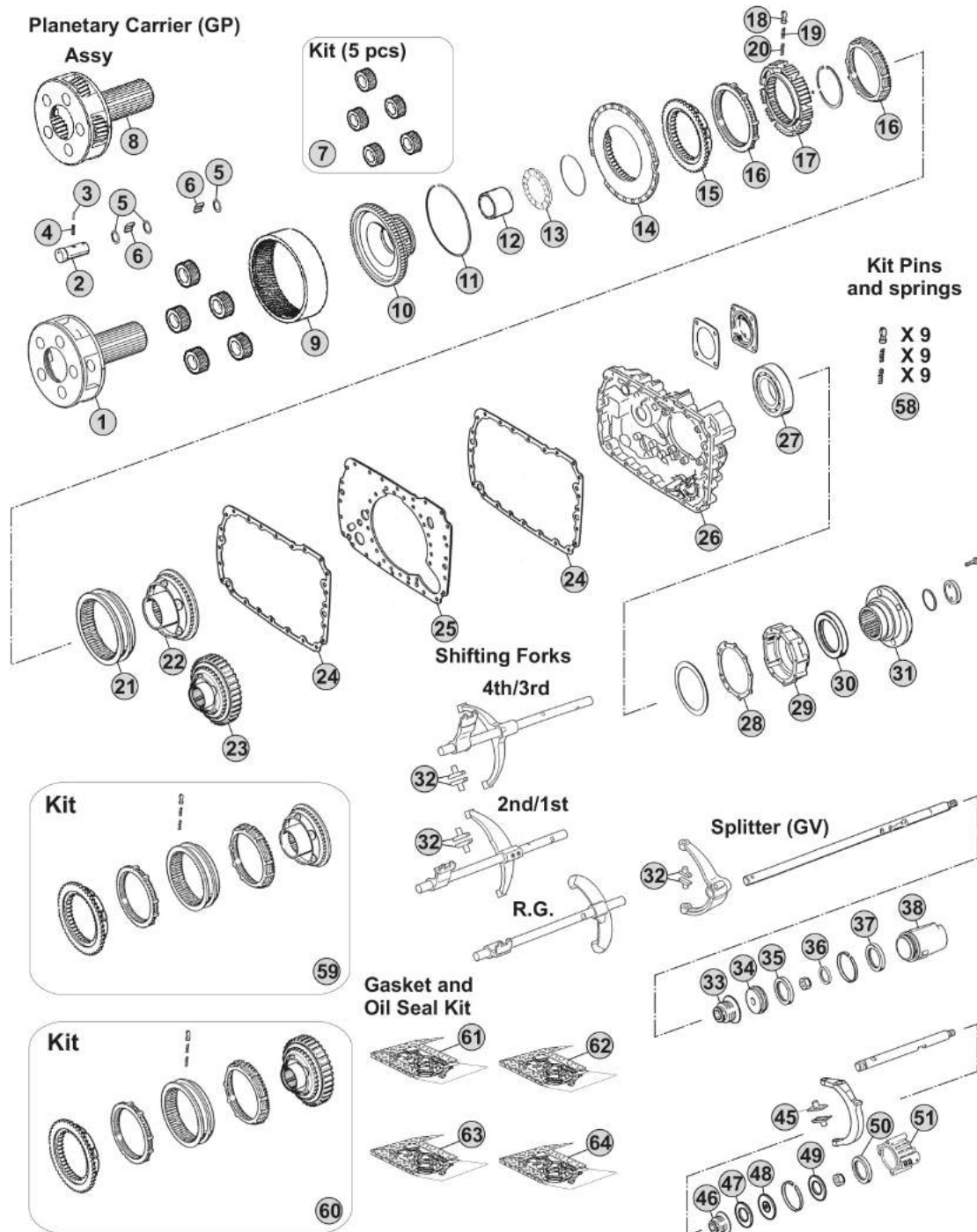
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1342 xxx xxx)



Notes

16S2220 R. 13,80-0,84

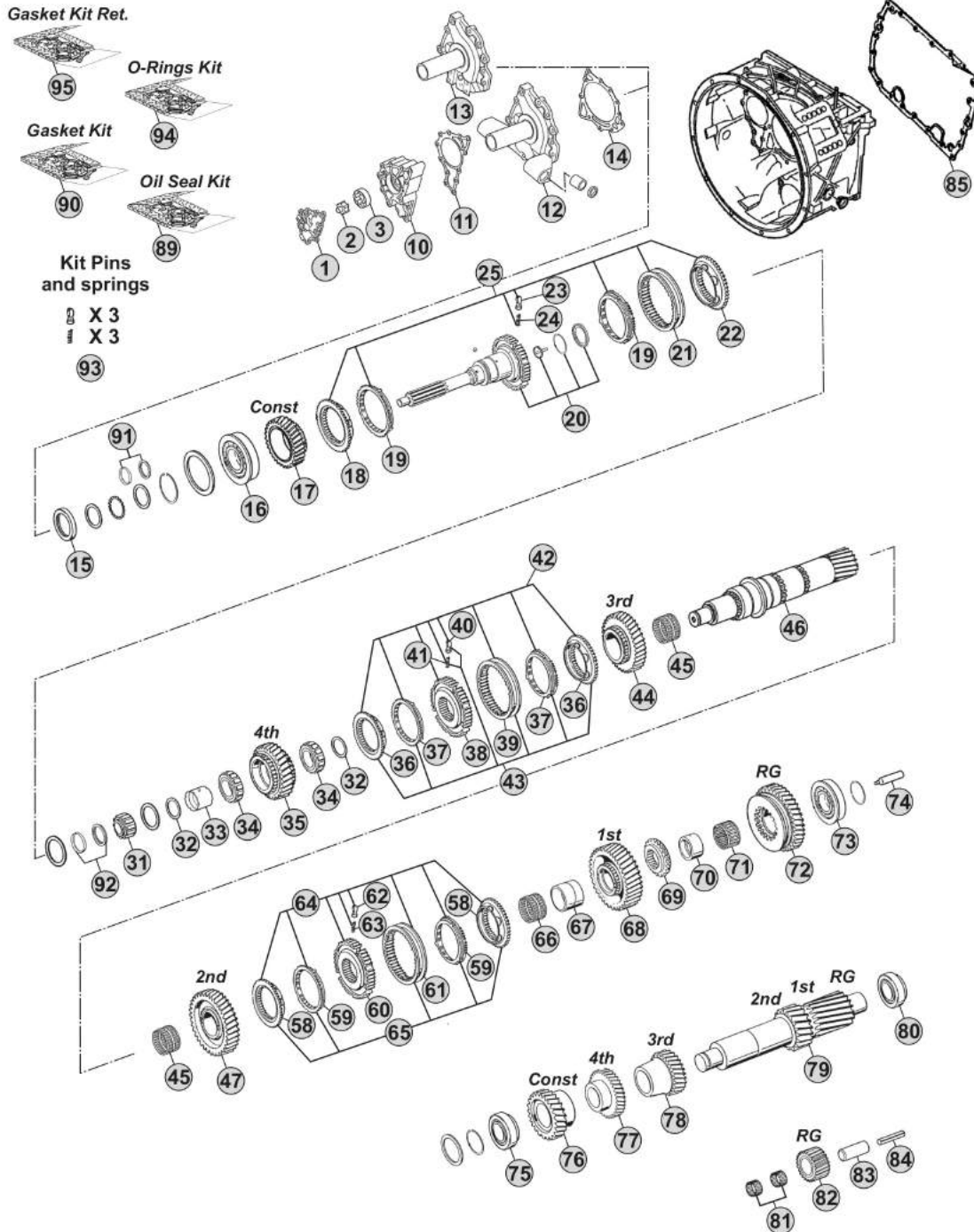
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1343 xxx xxx)



Notes

16S2220 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2220				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
12	135.251	1315 202 055	Front Cover	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.483	1316 302 066	Constant Gear 30 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.303	1316 202 025	Input Shaft	1		●				
20	190.417	1316 202 038	Input Shaft	1		●				
20	190.300	1316 202 026	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

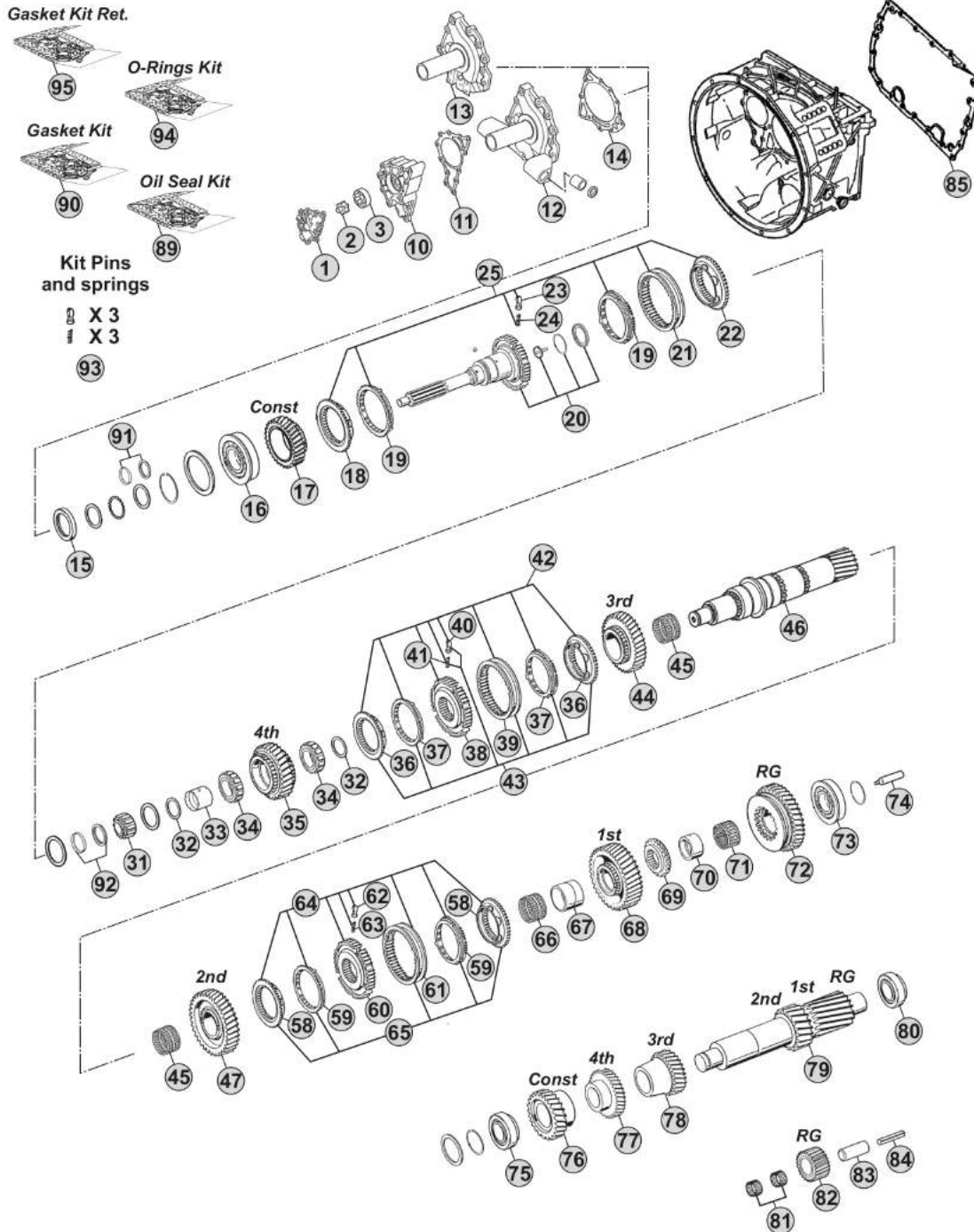
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1343 xxx xxx)



Notes

16S2220 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2220				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.486	1316 303 030	Costant Gear 39 T	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				

Date

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Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

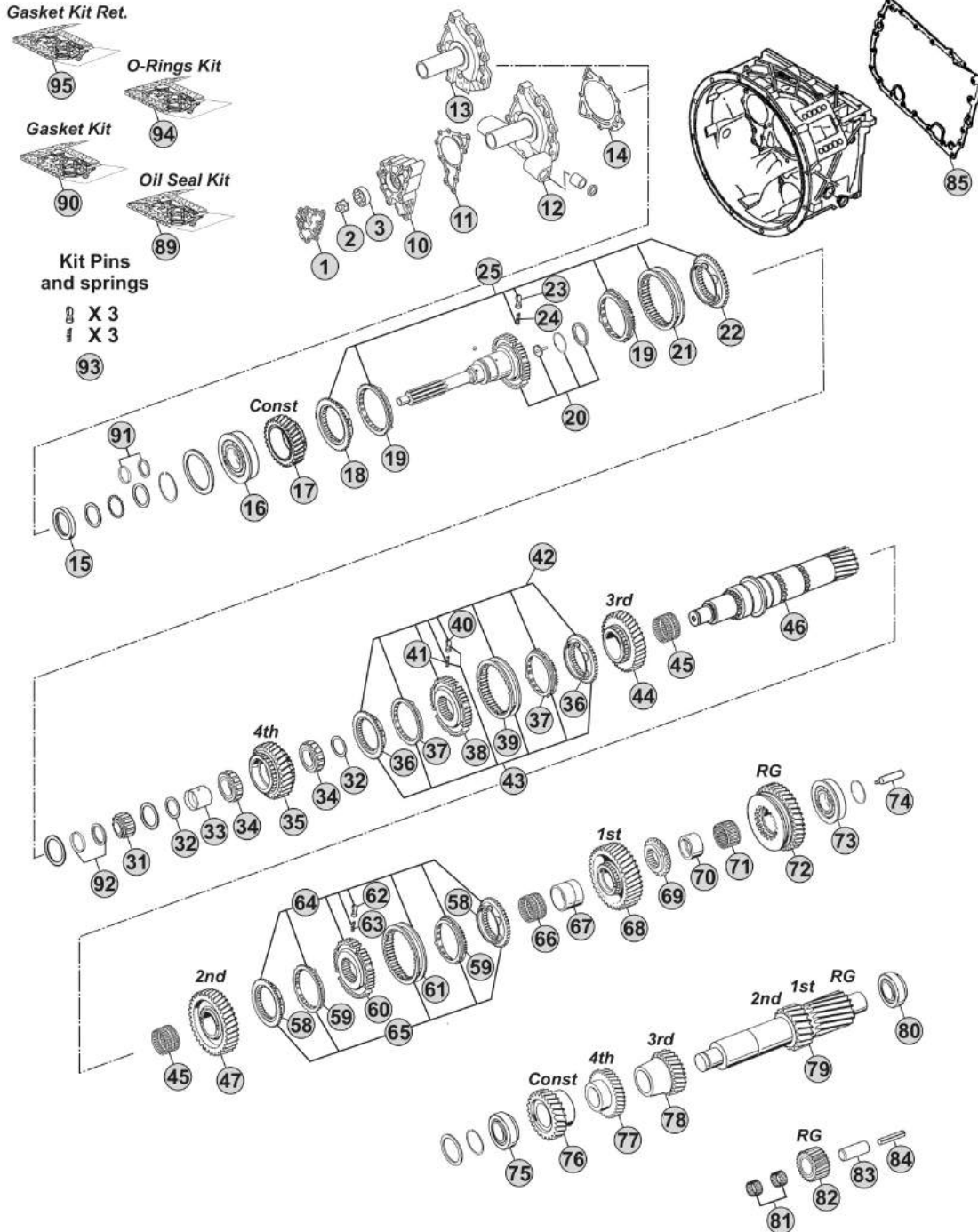
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1343 xxx xxx)



Notes

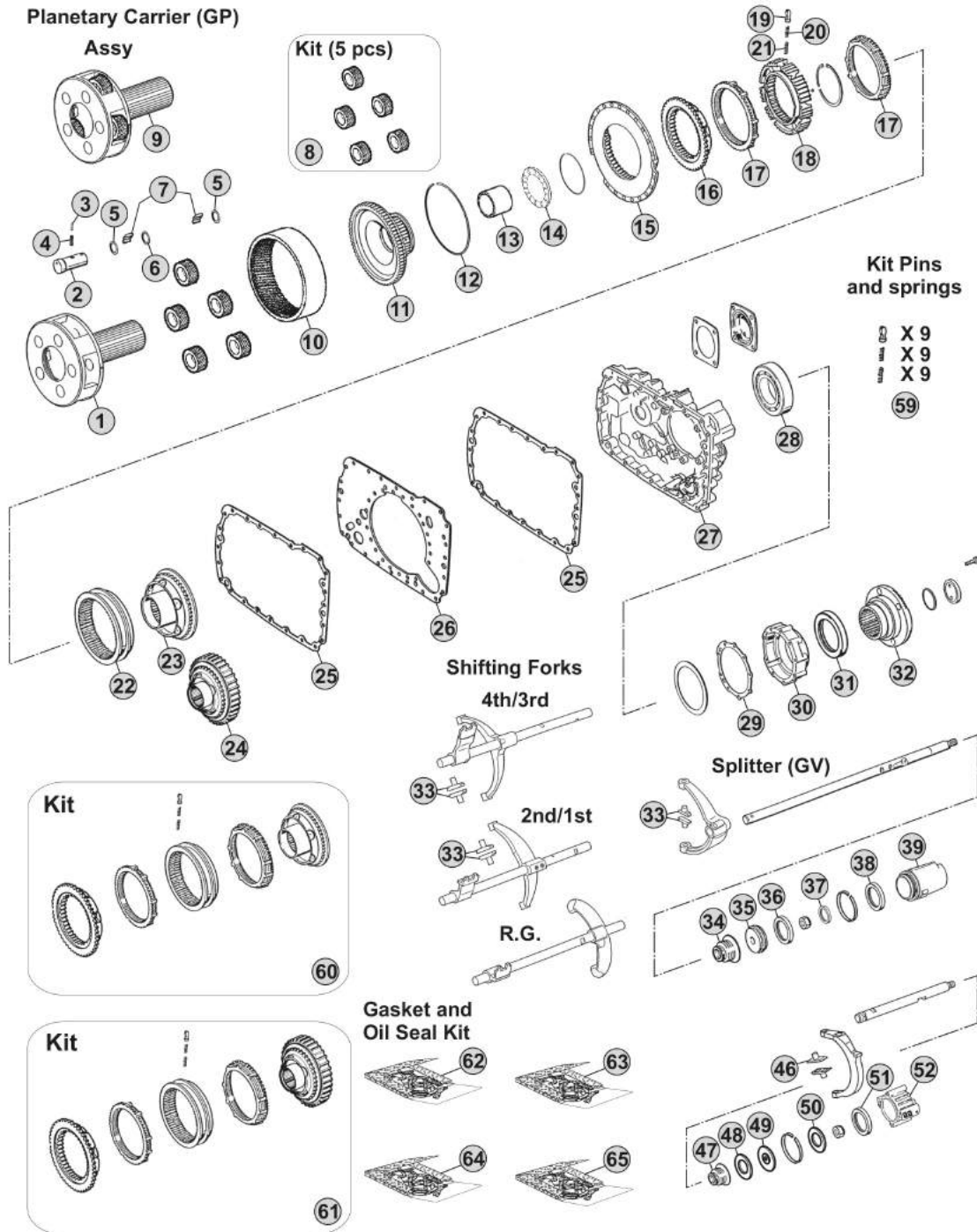
16S2220 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1343 xxx xxx)



Notes

16S2220 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2220			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

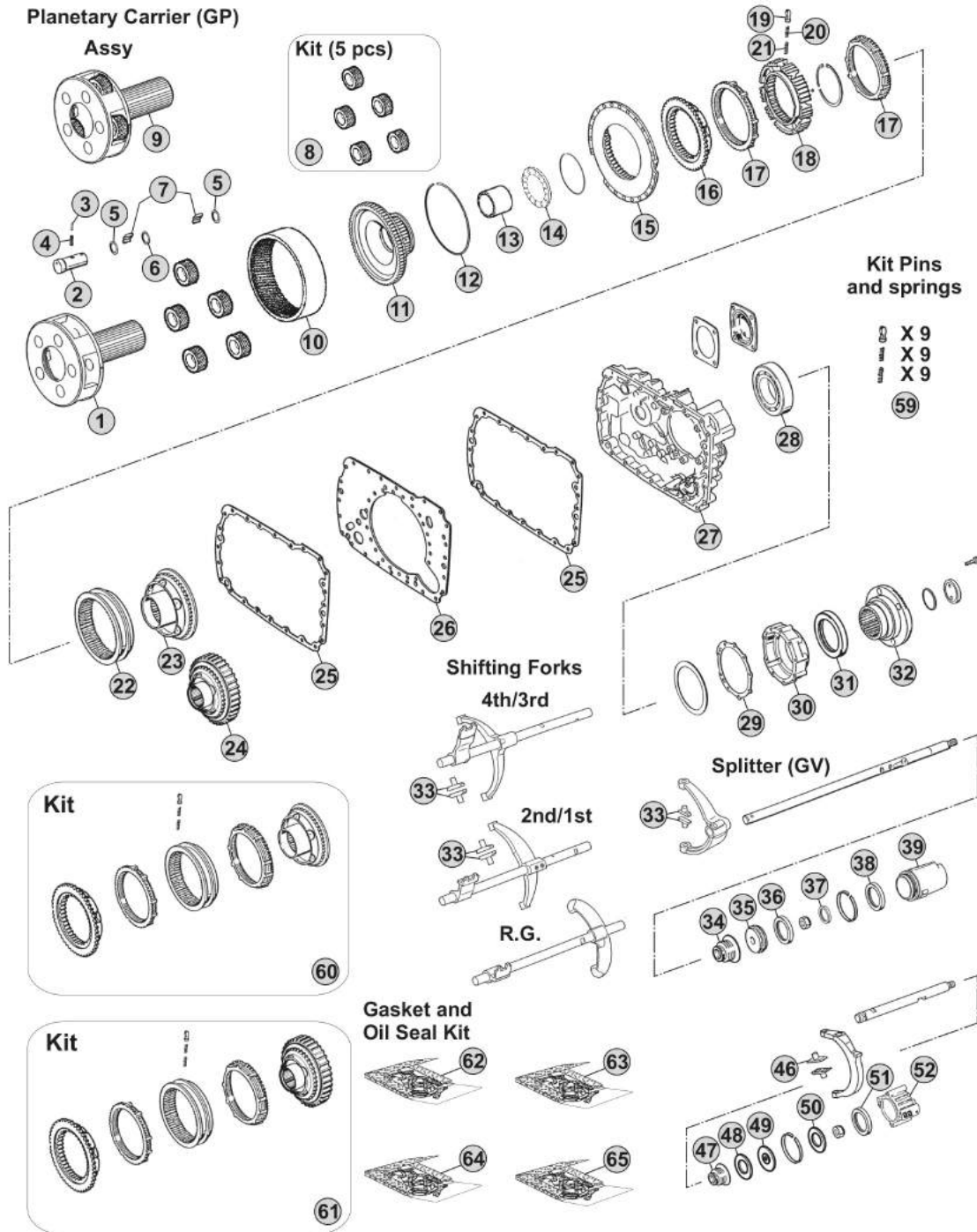
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2220 (1343 xxx xxx)



Notes

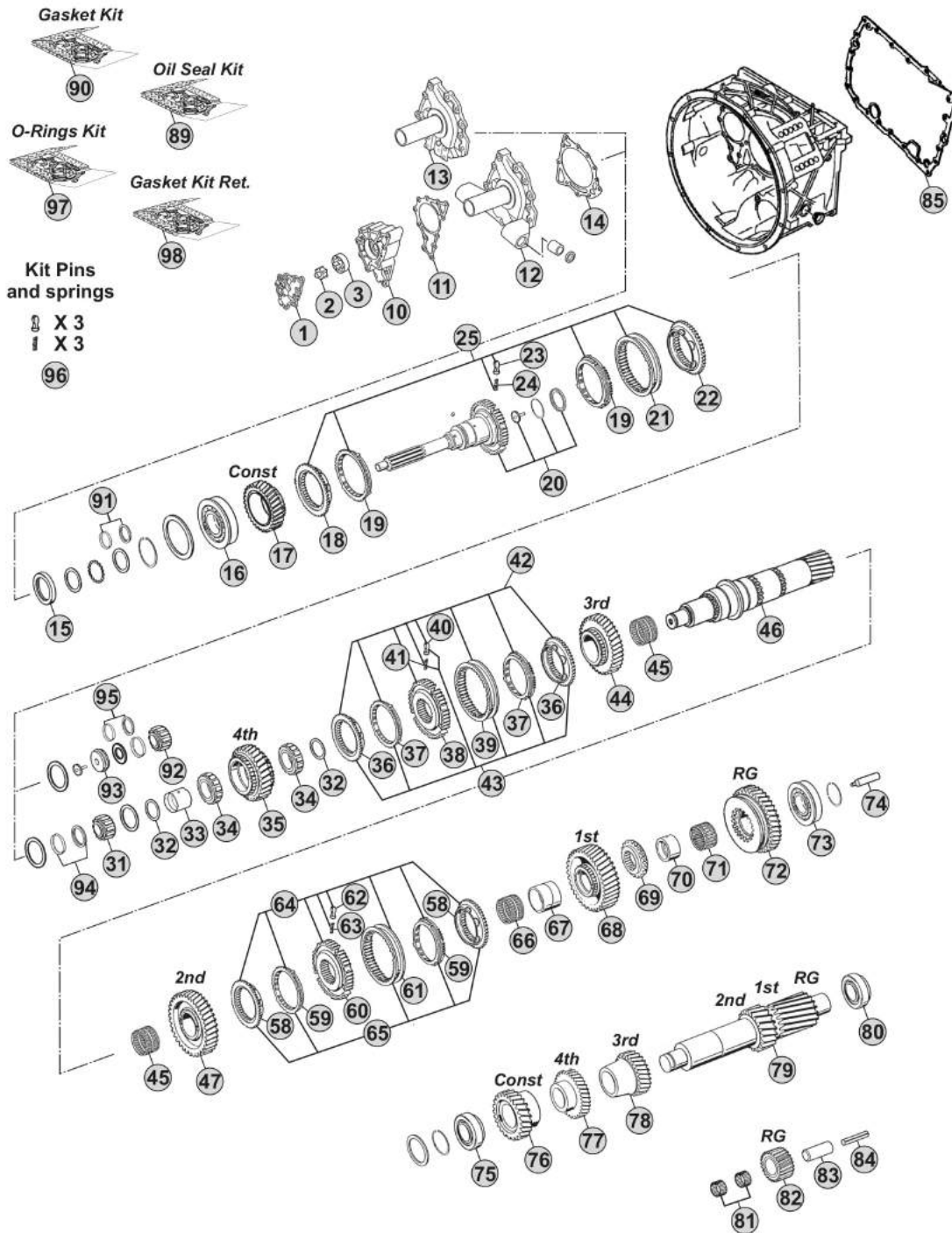
16S2220 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1342 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2221			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1	(10)	●			
20	190.300	1316 202 026	Input Shaft	1	(10)	●			
20	190.417	1316 202 038	Input Shaft	1	(10)	●			
20	102.666	1316 202 040	Input Shaft	1	(11)	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(10)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(10) For Mainshaft 1316 304 132

(11) For Mainshaft 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

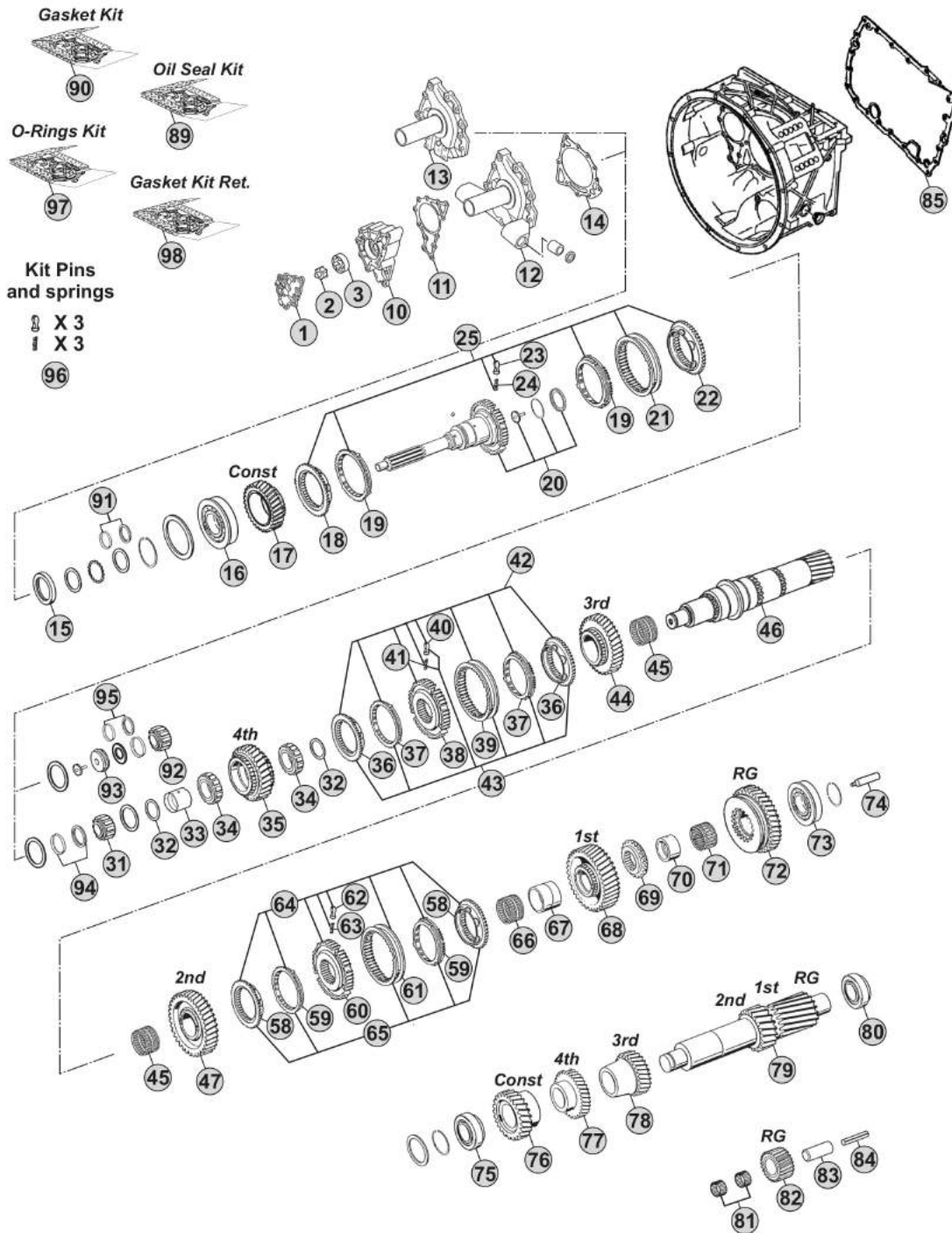
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1342 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2221				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●				
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.780	1316 303 071	Constant Gear 32 D	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				

Date

02/2015

Notes

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

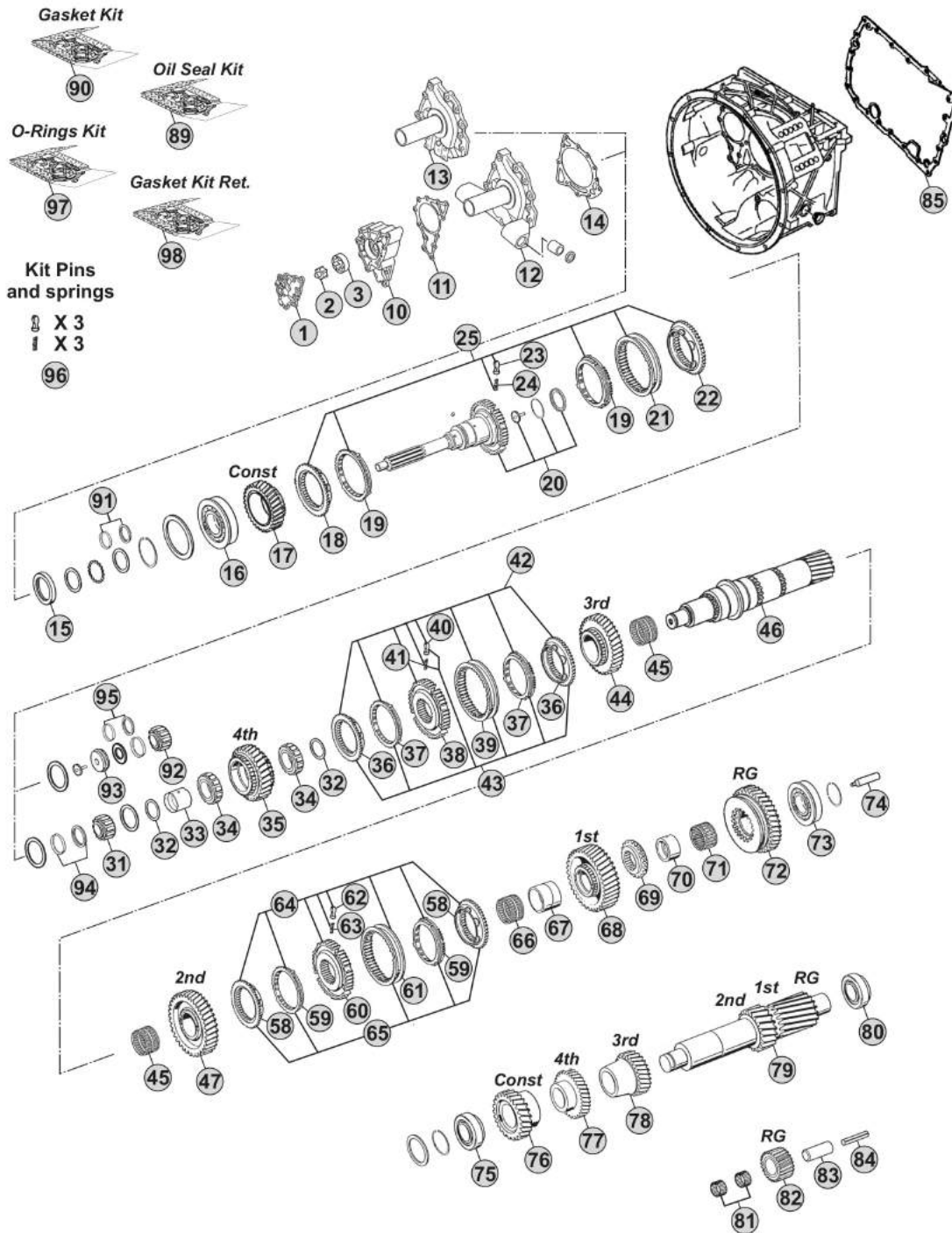
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1342 xxx xxx)



Notes

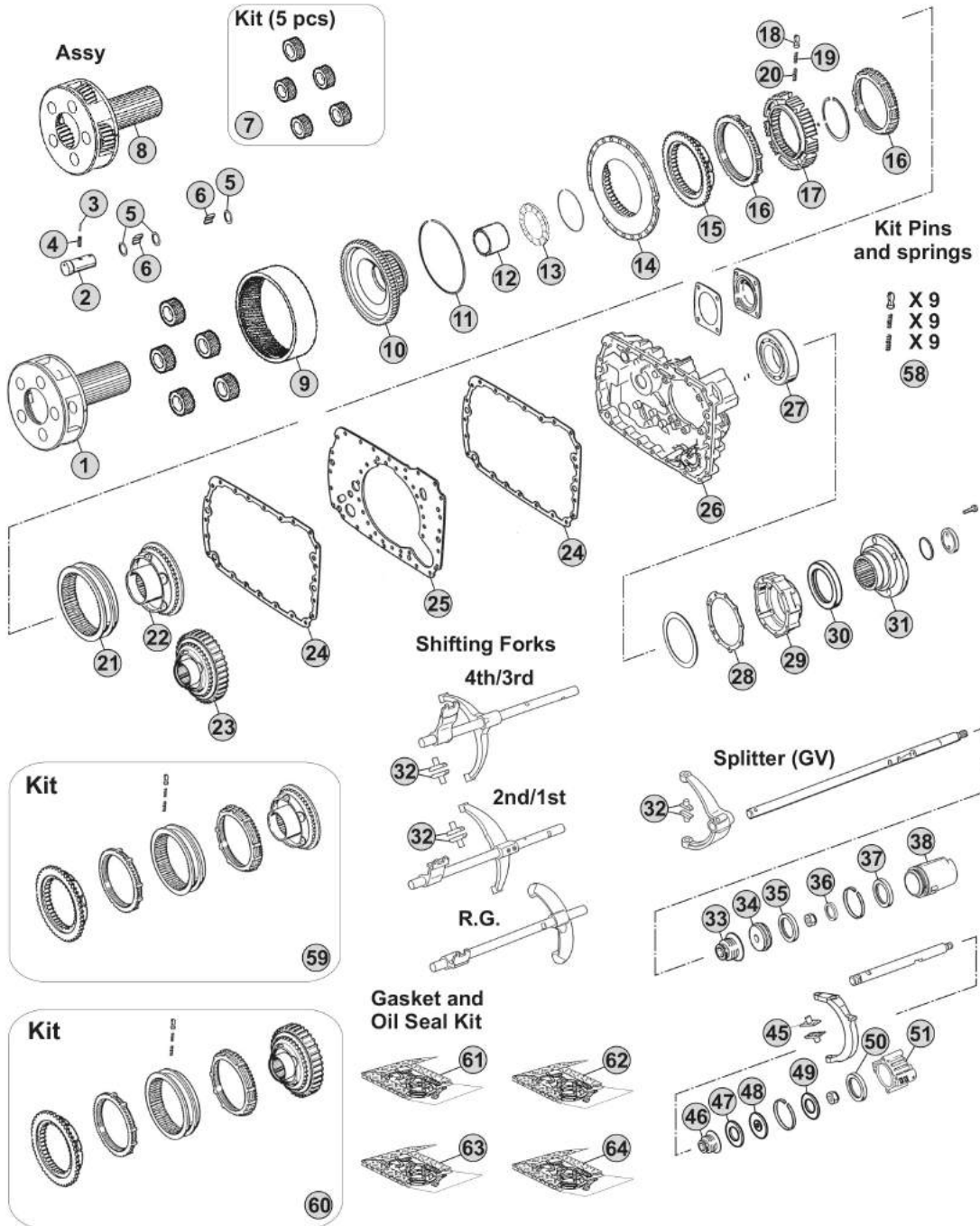
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1342 xxx xxx)

Planetary Carrier (GP)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2221				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

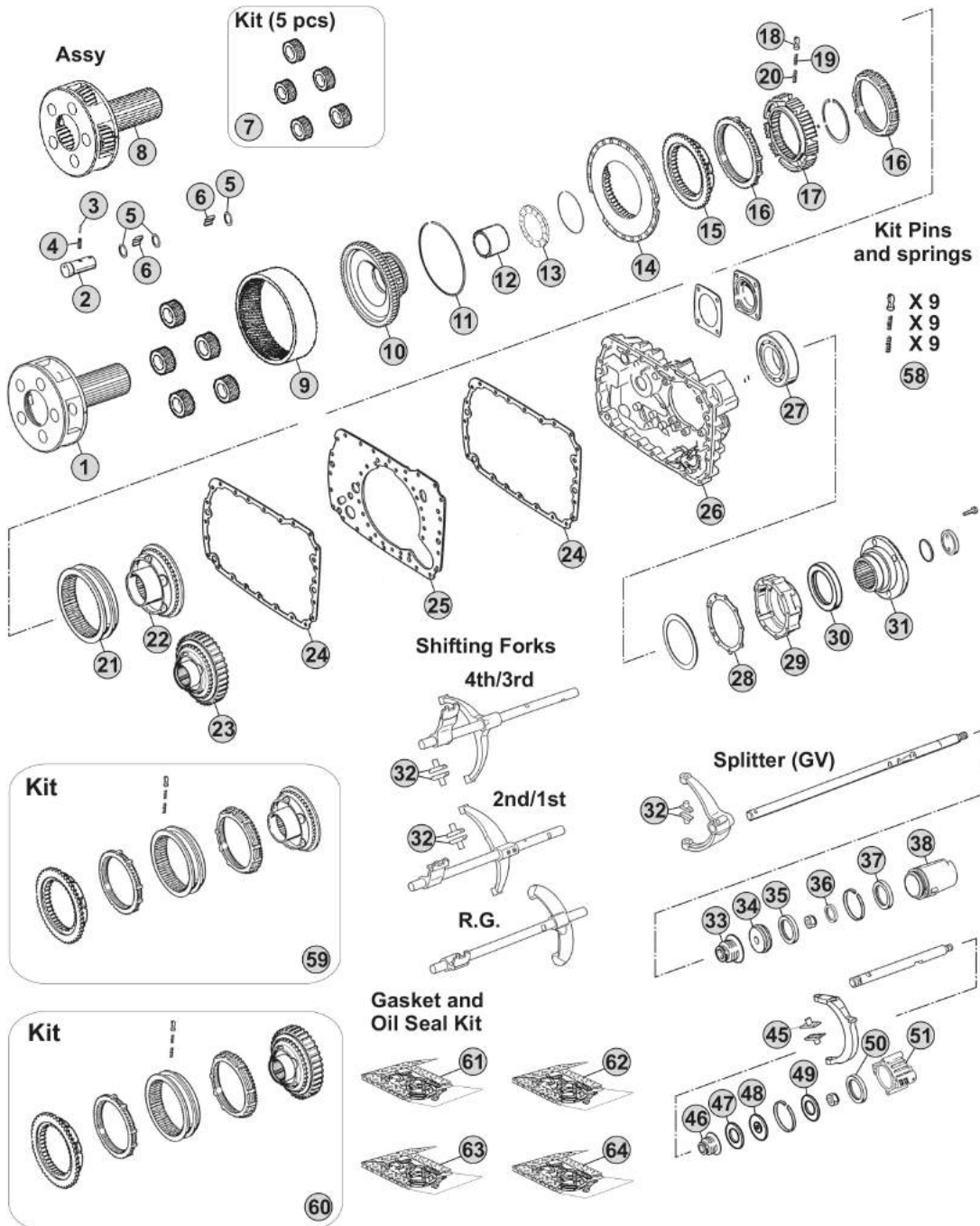
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1342 xxx xxx)

Planetary Carrier (GP)



Notes

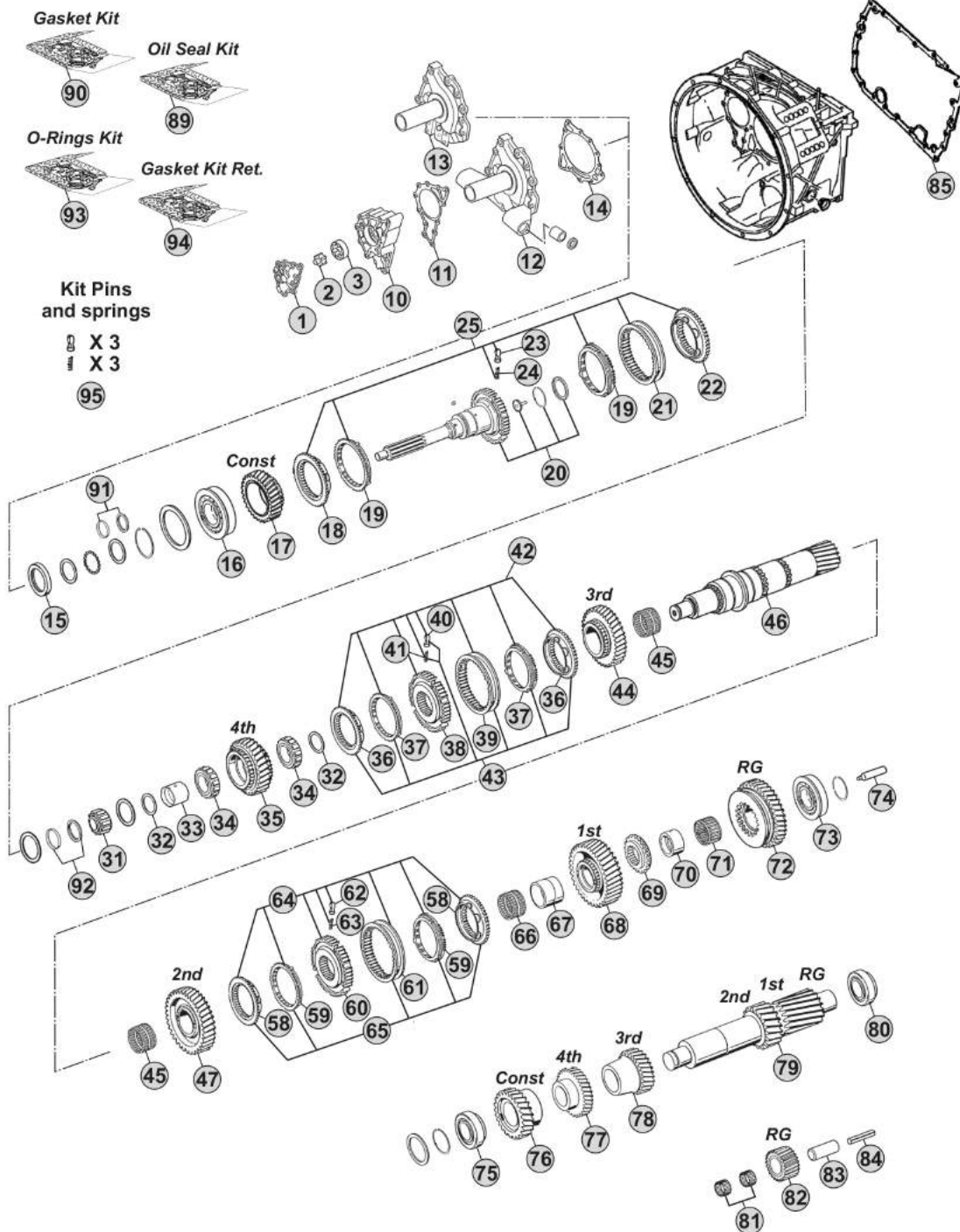
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1343 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2221			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

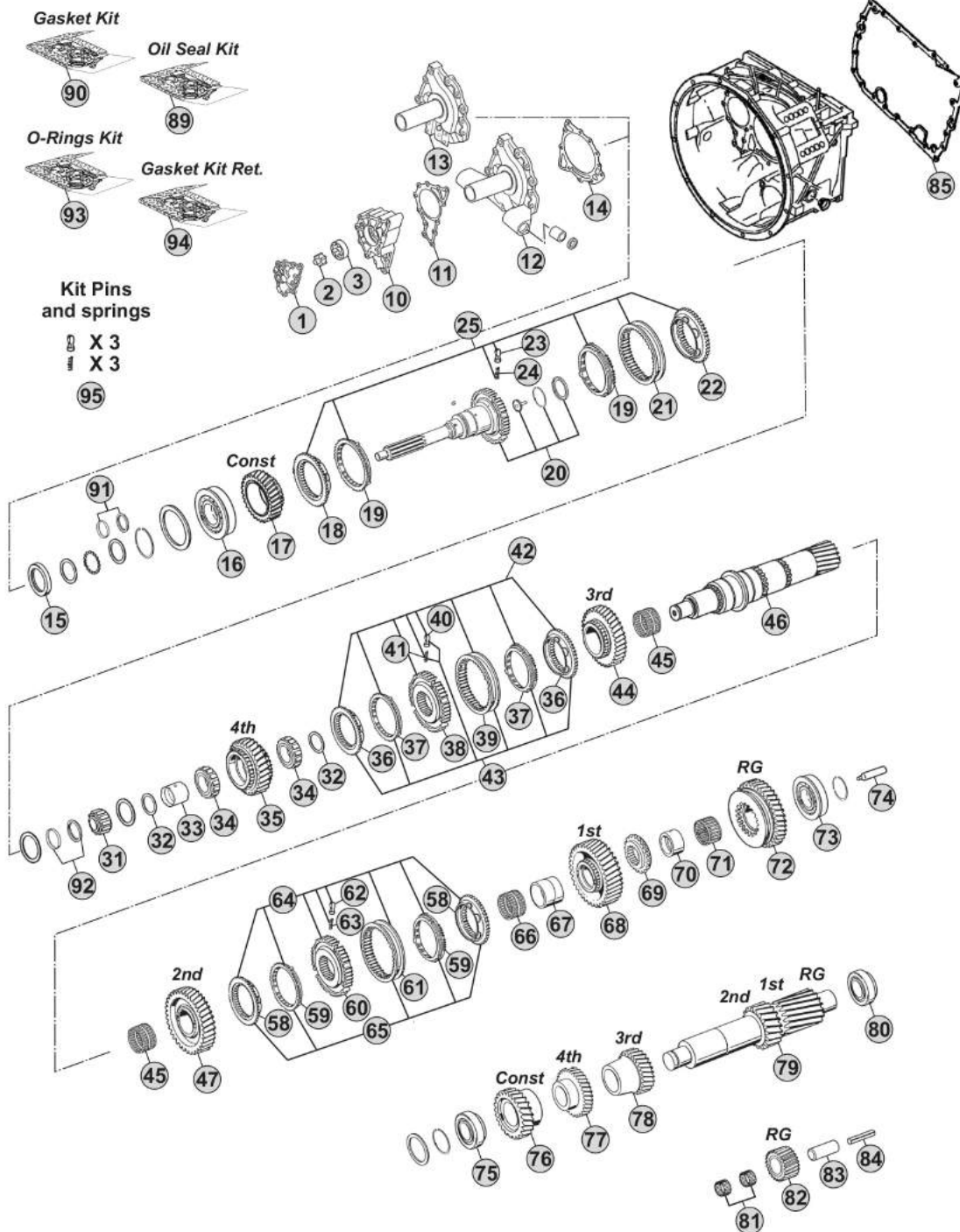
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1343 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2221			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			

Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

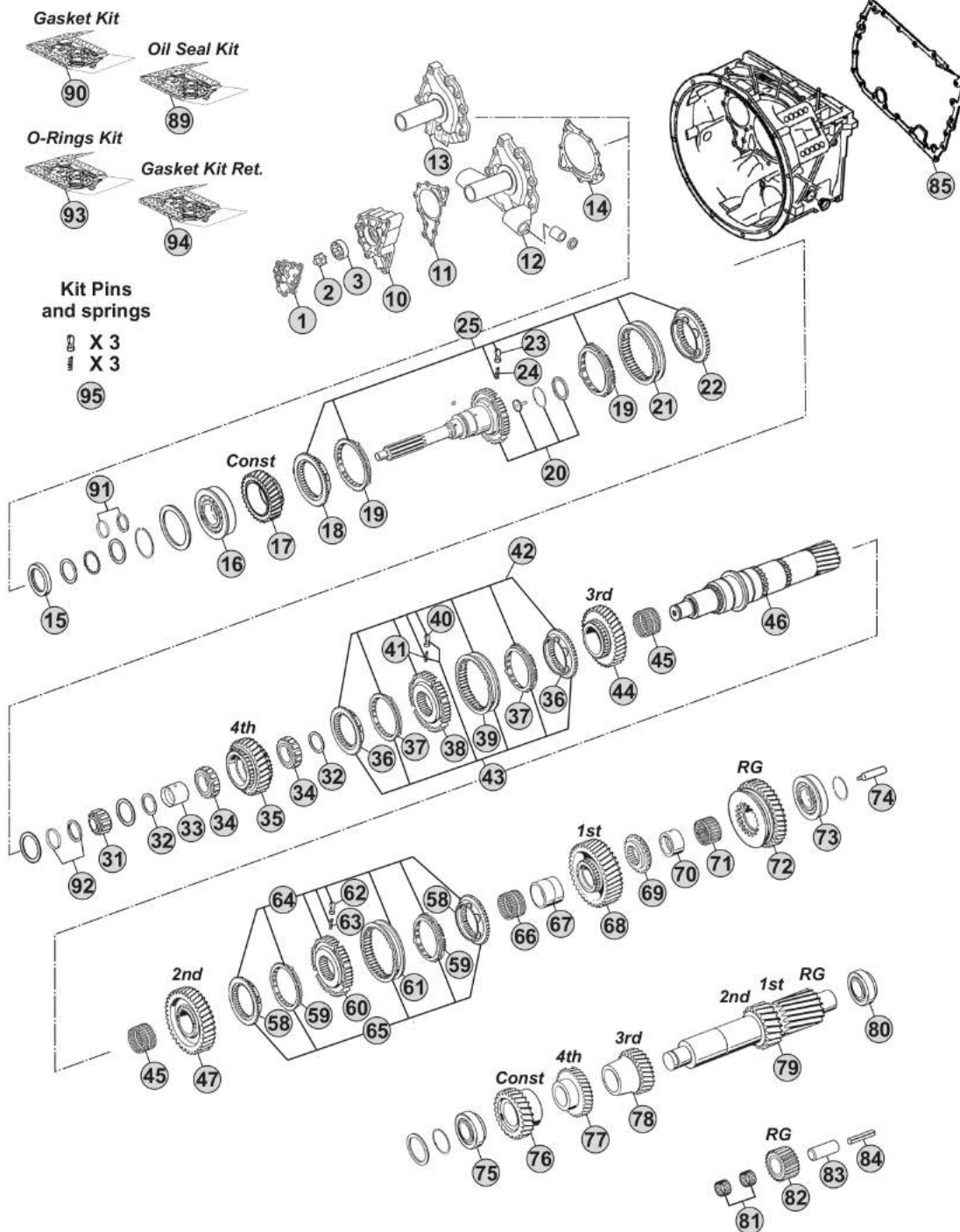
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1343 xxx xxx)



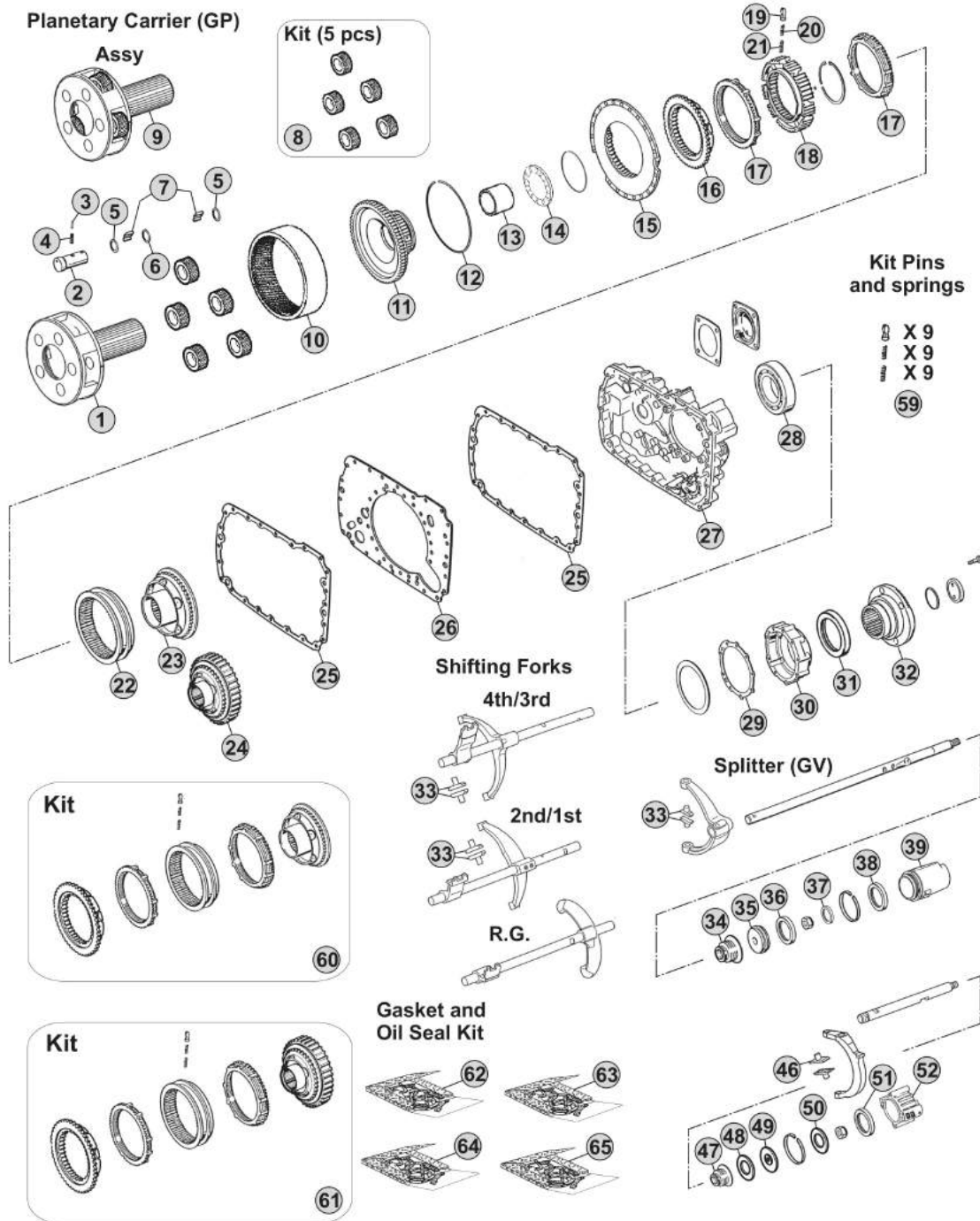
Notes

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1343 xxx xxx)



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Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2221			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

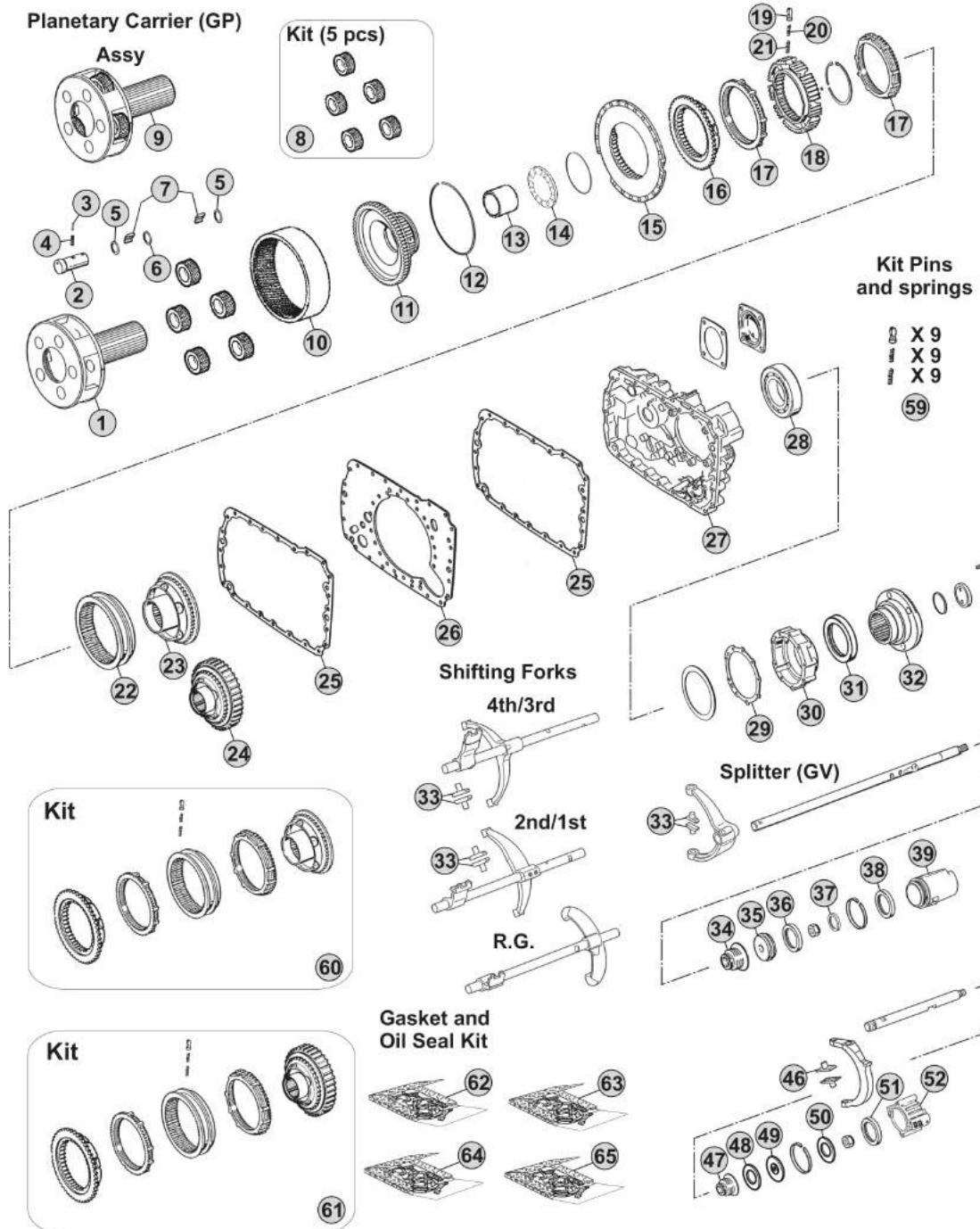
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2221 (1343 xxx xxx)



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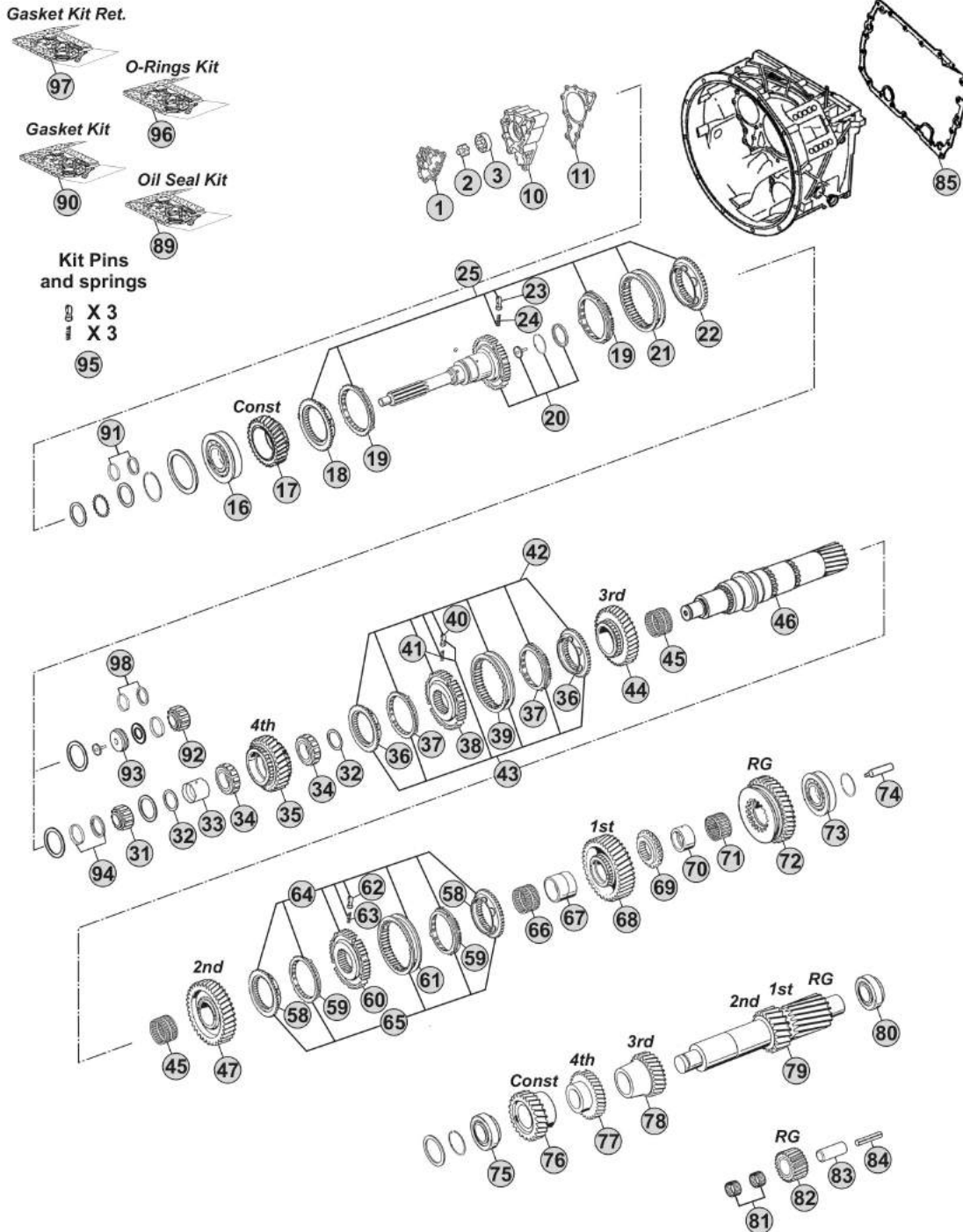
Notes

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1342 xxx xxx)



Notes

16S2222 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2222				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.554	1316 302 067	Constant Gear 35 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.417	1316 202 038	Input Shaft	1	(10)	●				
20	190.512	1316 221 017	Input Shaft	1	(10) W/NMV	●				
20	190.542	1316 221 018	Input Shaft	1	(10) W/NMV	●				
20	190.565	1316 221 019	Input Shaft	1	(10) W/NMV	●				
20	190.566	1316 221 020	Input Shaft	1	(11) W/NMV	●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(10)	●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(10) For Mainshaft 1316 304 132

(11) For Mainshaft 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1342 xxx xxx)

Gasket Kit Ret.

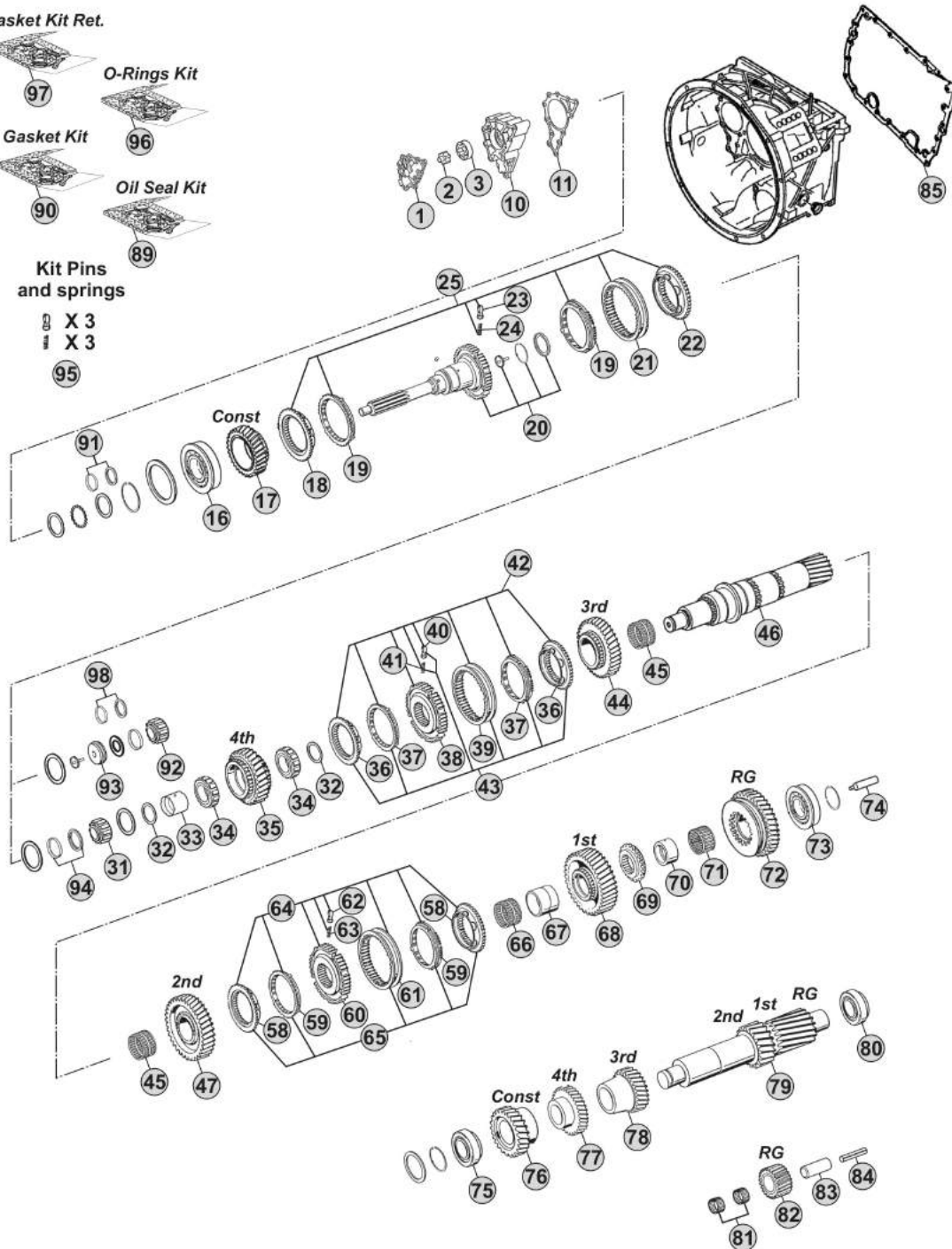


Gasket Kit (96)



Kit Pins and springs (95)

- ▮ X 3
- ▮ X 3



Notes

16S2222 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2222				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●				
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.780	1316 303 071	Constant Gear 32 D	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.127	1316 305 001	Reverse Gear 22 T	1		●				

Date

02/2015

Notes

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

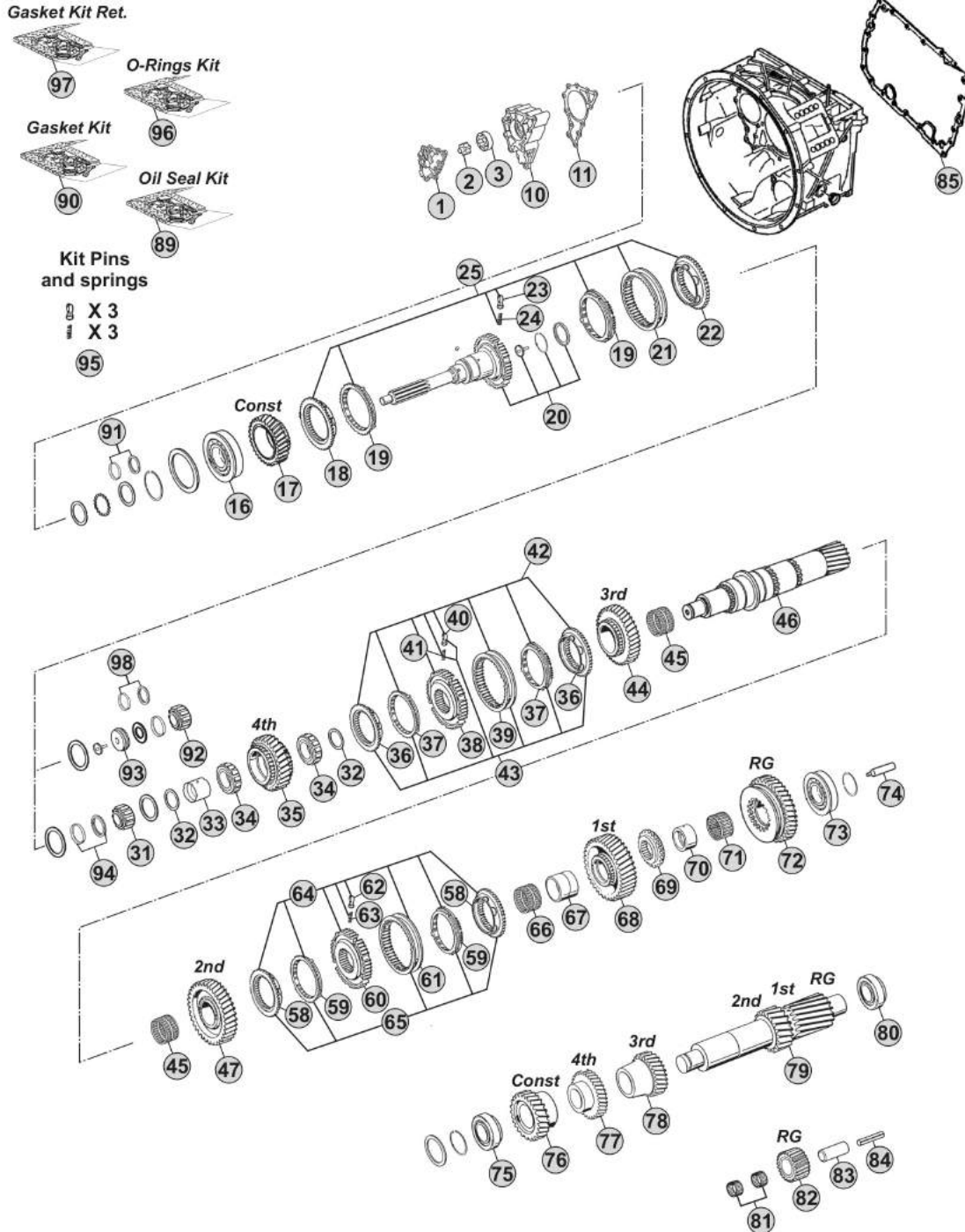
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1342 xxx xxx)



Notes

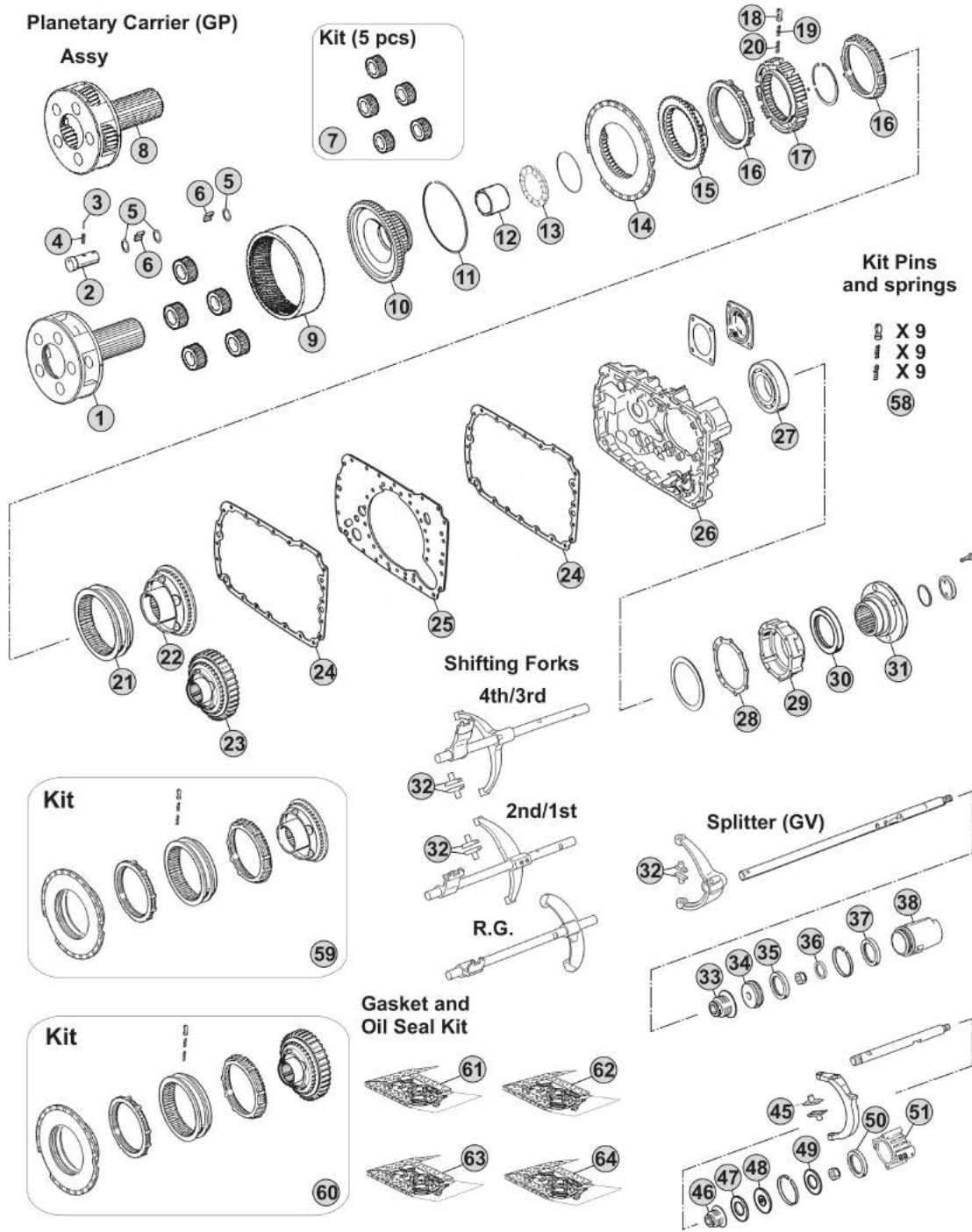
16S2222 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1342 xxx xxx)



Notes

16S2222 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2222				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

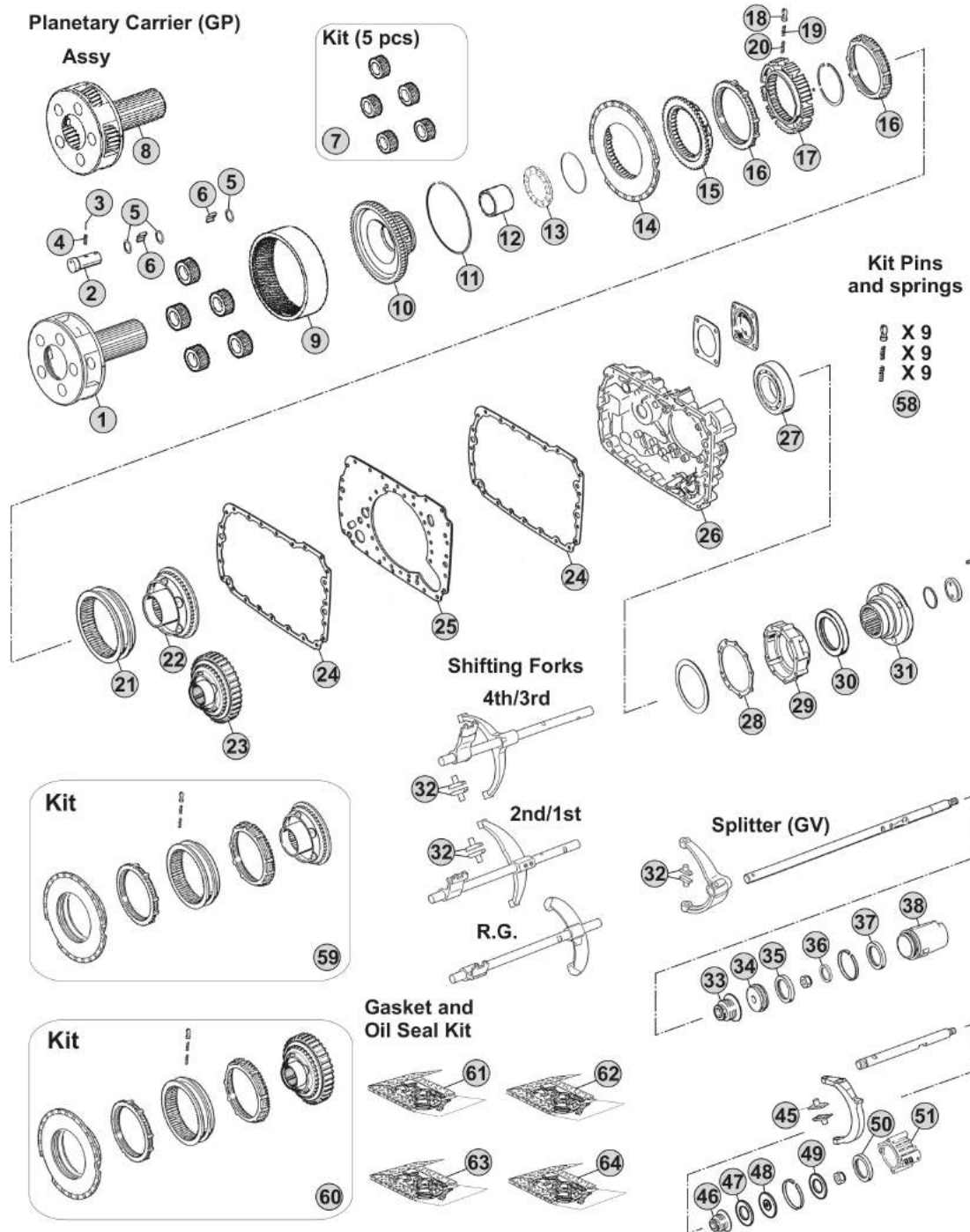
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1342 xxx xxx)



Notes

16S2222 R. 13,80-0,84

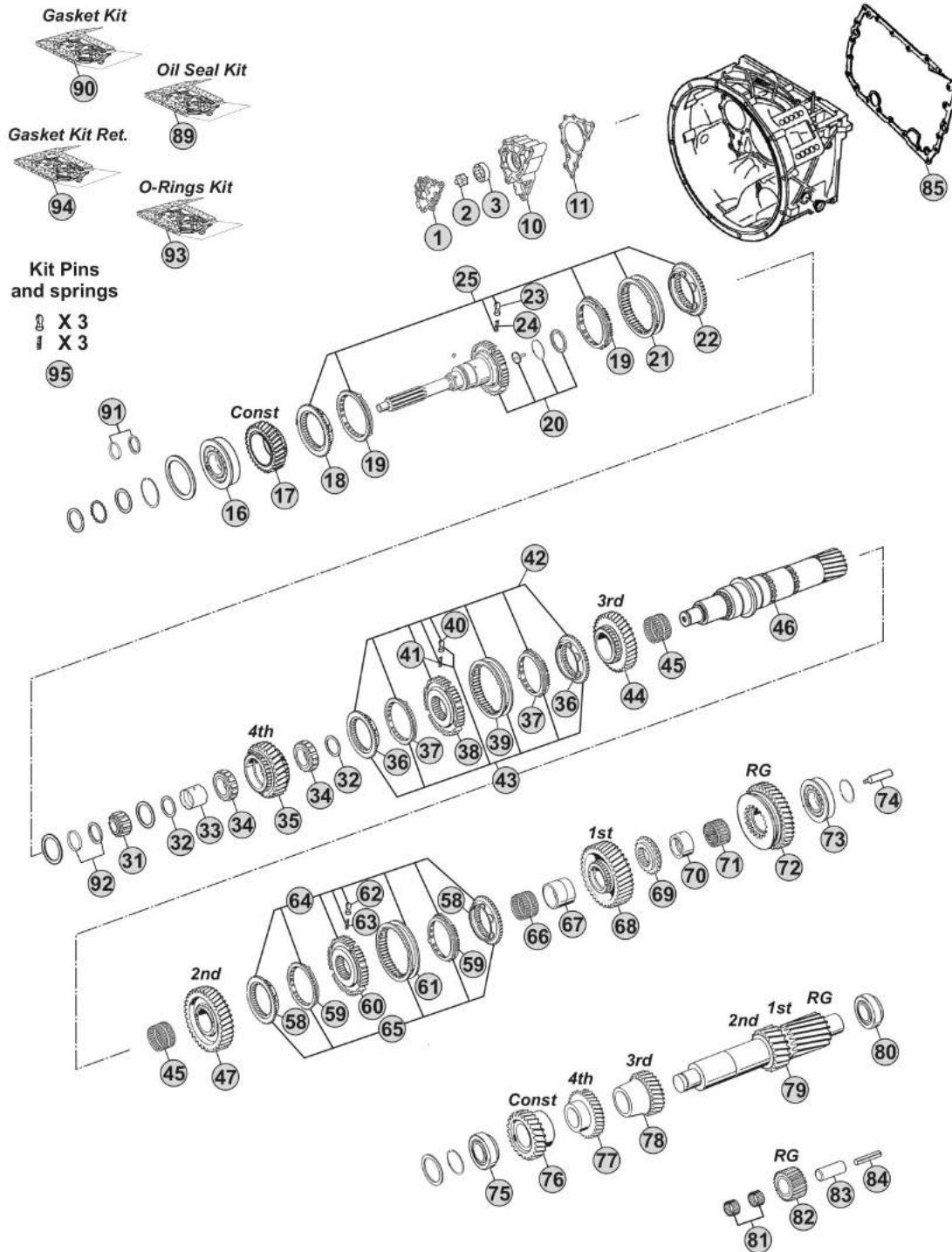
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1343 xxx xxx)



Notes

16S2222 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2222			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.542	1316 221 018	Input Shaft	1	W/NMV	●			
20	190.565	1316 221 019	Input Shaft	1	W/NMV	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			

 NEW ECOSPLIT III
16S2222
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

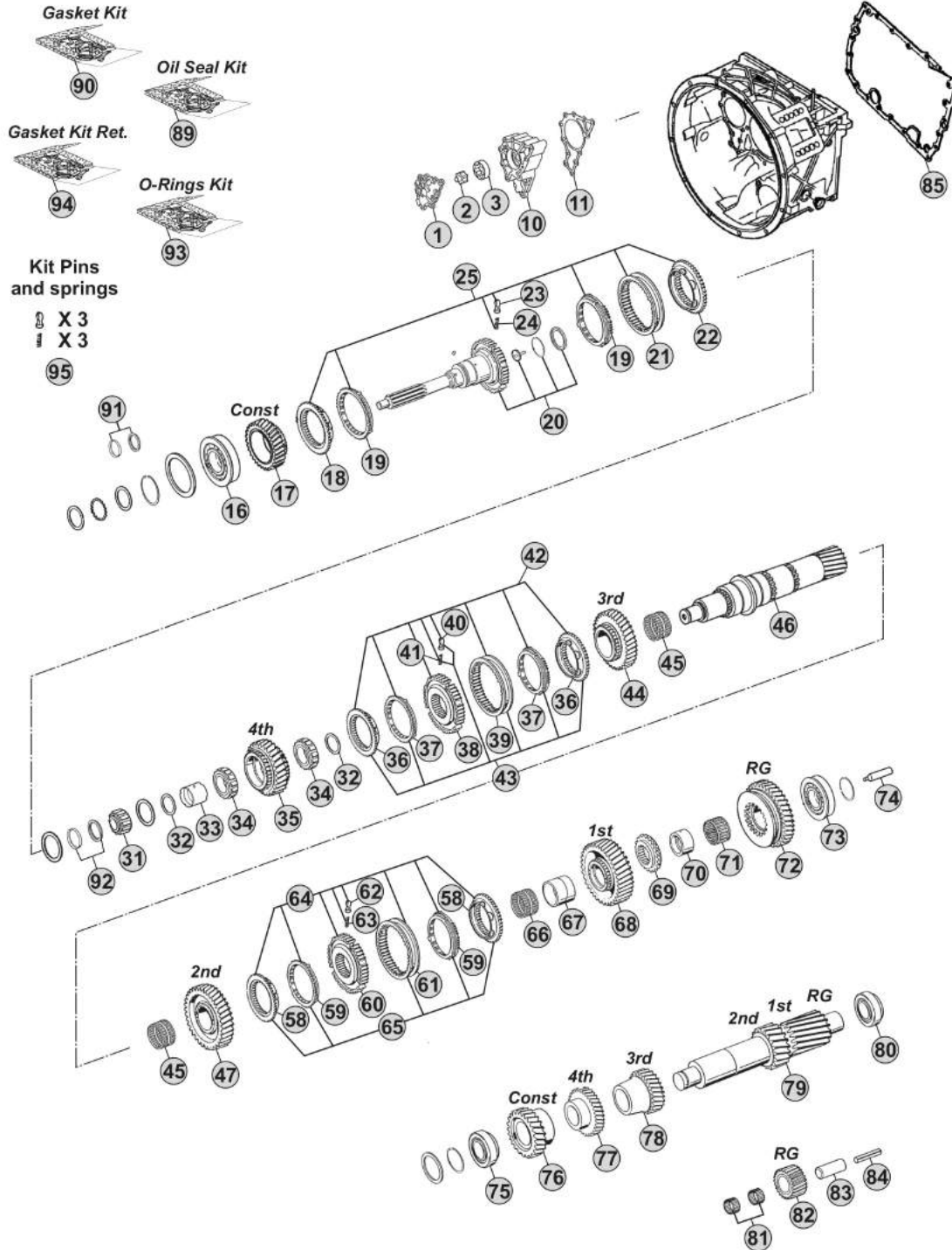
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1343 xxx xxx)



Notes

16S2222 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2222				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1		●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.486	1316 303 030	Costant Gear 39 T	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.127	1316 305 001	Reverse Gear 22 T	1		●				
83	190.301	1316 201 029	Reverse Shaft	1		●				
84	160.301	0631 329 296	Pin	1		●				
85	139.854	1315 301 233	Gasket	1		●				
89	198.838	1315 298 002	Oil Seal Kit	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

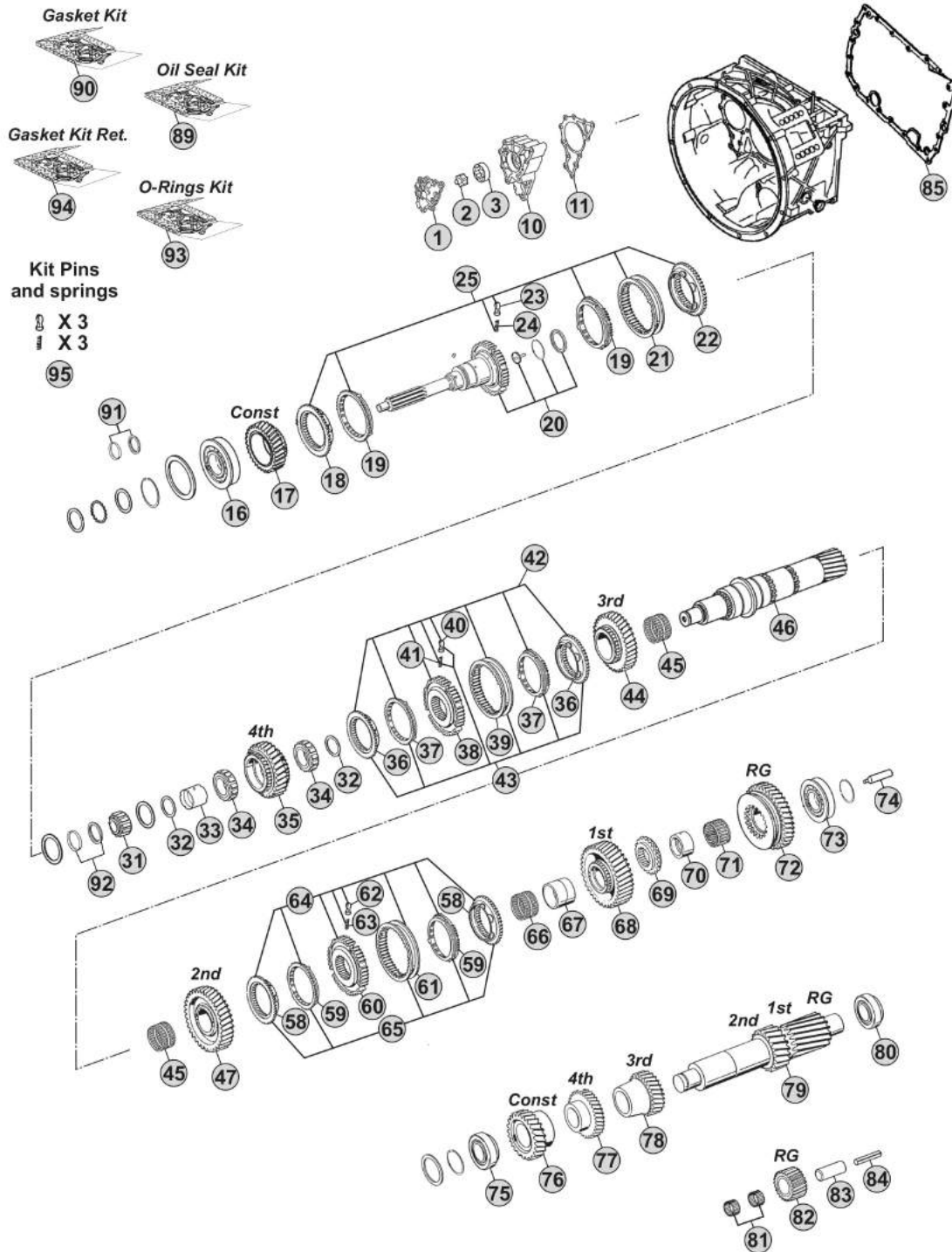
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1343 xxx xxx)



Notes

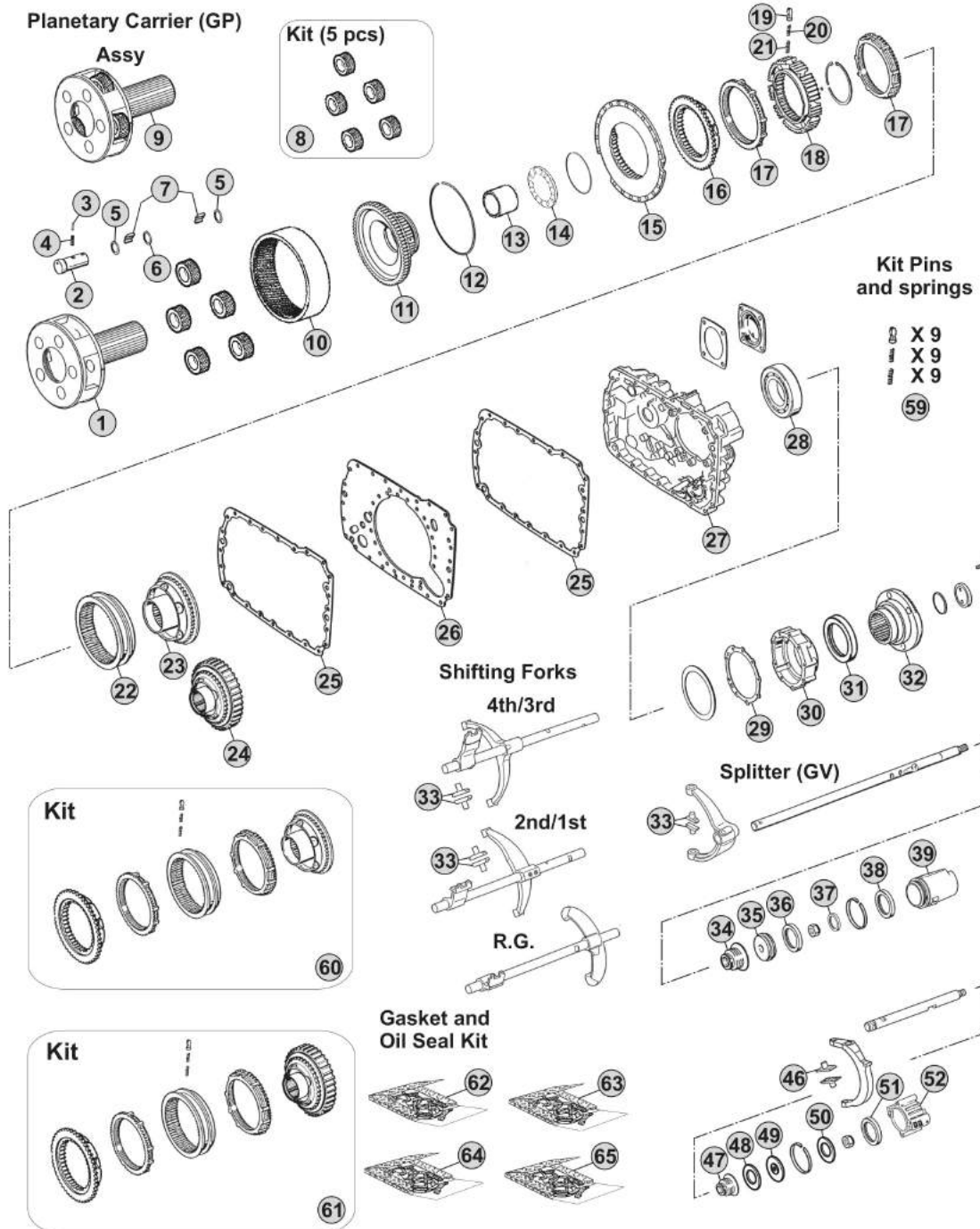
16S2222 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1343 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2222				
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●				
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●				
2	107.204	1316 332 096	Planet Shaft	5	(70)	●				
2	107.256	1316 332 140	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	269.009	0730 109 323	Spacer Ring	10		●				
6	269.010	0730 109 309	Spacer Ring	5		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	298.024	1316 232 011	Planetary Gear Set	1		●				
9	298.861		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Crown Gear 82 T	1		●				
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
12	111.426	0730 513 583	Locking Wire	1		●				
13	119.256	1316 333 014	Intermediate Ring	1		●				
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
15	135.122	1296 333 046	Saddle Plate	1		●				
16	109.174	1296 333 050	Synchronizer Cone	1		●				
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
18	157.182	1313 333 001	Synchronizer Hub	1		●				
19	160.116	1240 304 278	Pressure Piece	9		●				
20	156.036	0732 040 386	Inner Spring De.3x34	9		●				
21	156.037	0732 040 385	Outer Spring De.6x34	9		●				
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
26	135.148	1315 301 118	Saddle plate	1		●				
27	175.242	1315 301 223	Housing	1	W/out Retarder	●				
27	175.422	6085 201 079	Housing	1	With Retarder	●				
28	130.245	0750 116 394	Bearing 90x160x30	1		●				
29	139.644	1315 331 001	Gasket	1		●				
30	175.421	1315 231 004	Cover	1		●				
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
32	197.254	1297 333 110	Output Flange D.180 mm	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

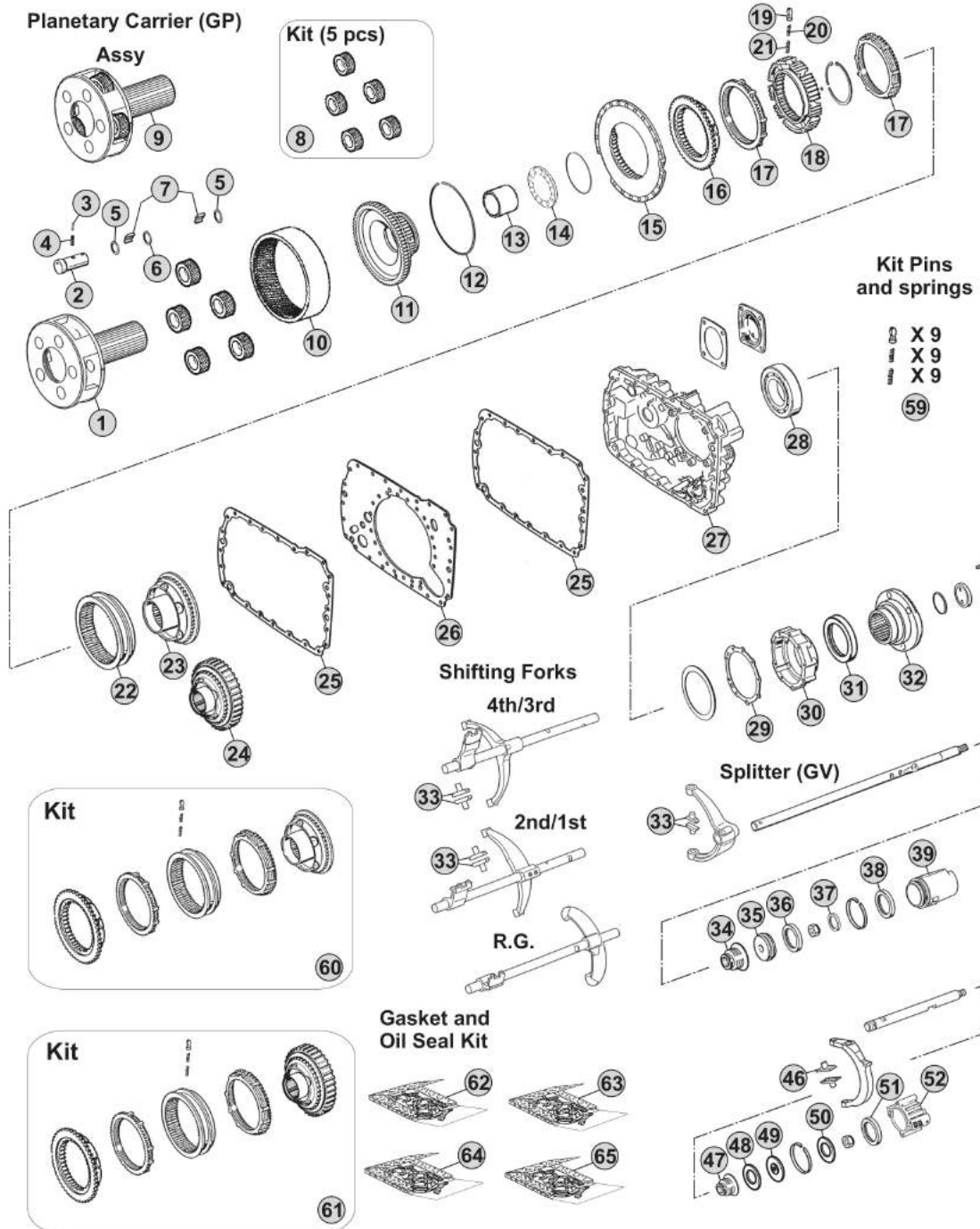
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2222 (1343 xxx xxx)



Notes

16S2222 R. 16,41-1,00

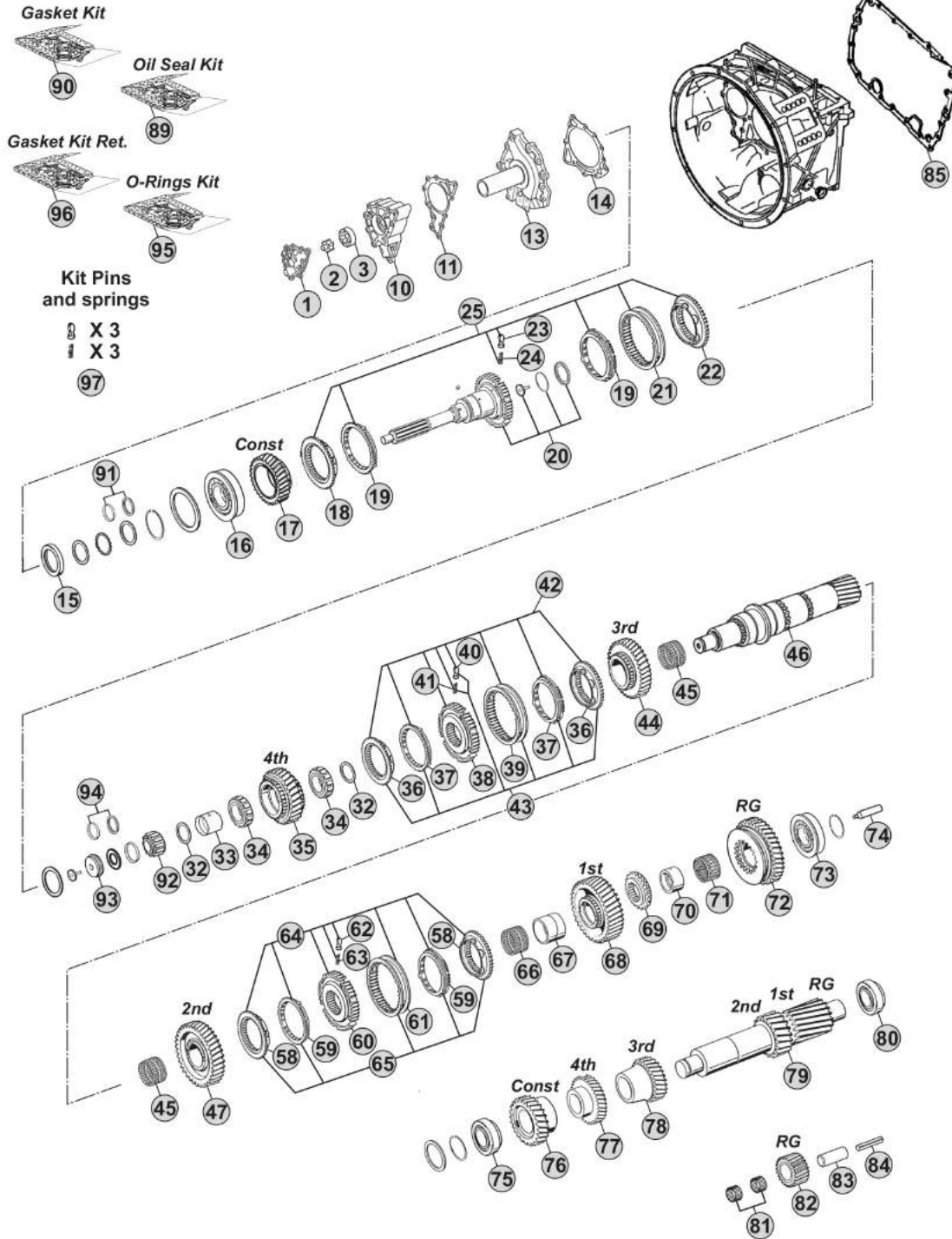
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1342 xxx xxx)



Notes

16S2223 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2223				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.554	1316 302 067	Constant Gear 35 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	102.666	1316 202 040	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

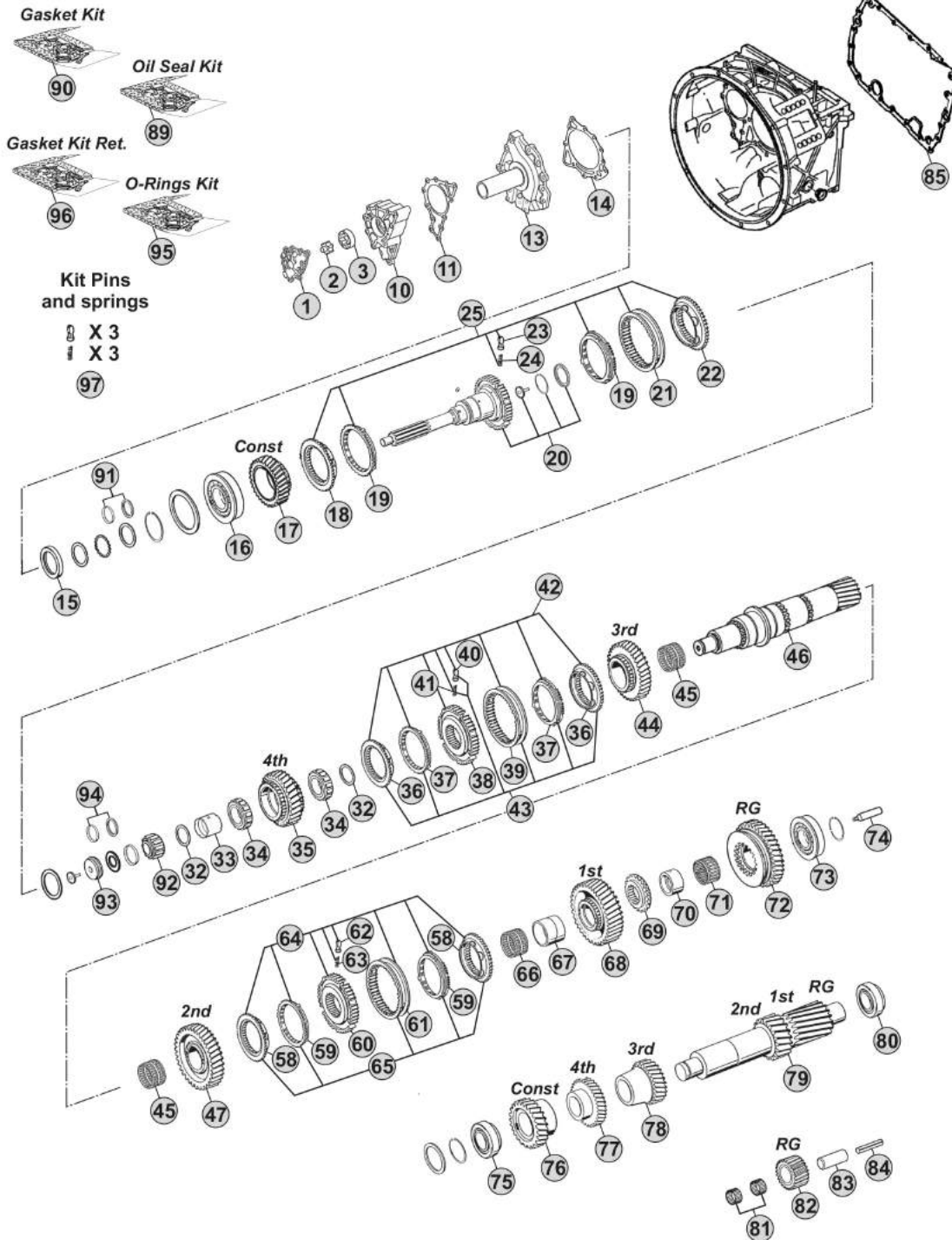
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1342 xxx xxx)



Notes

16S2223 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2223			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.290	1316 304 118	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2223
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

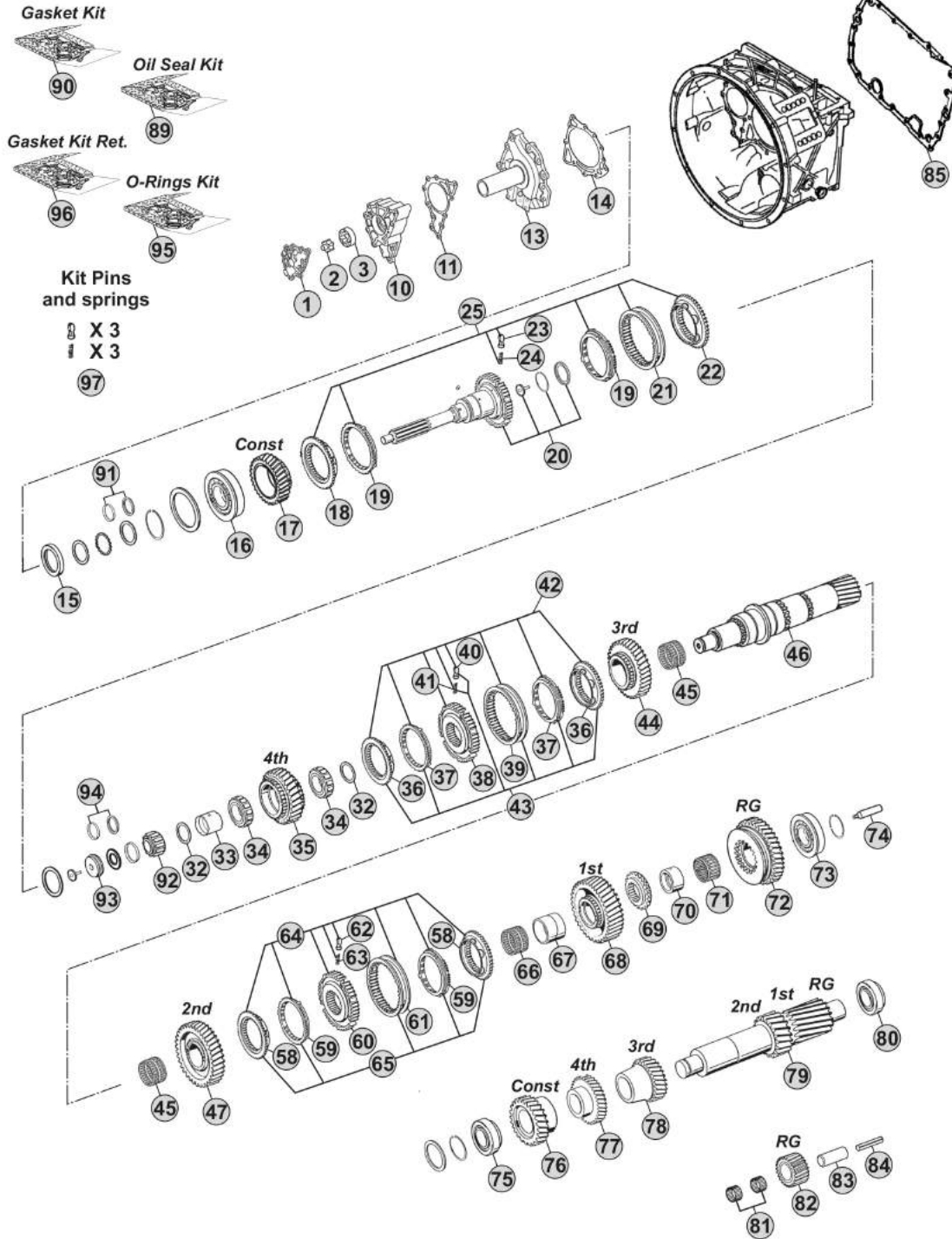
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1342 xxx xxx)



Notes

16S2223 R. 13,80-0,84

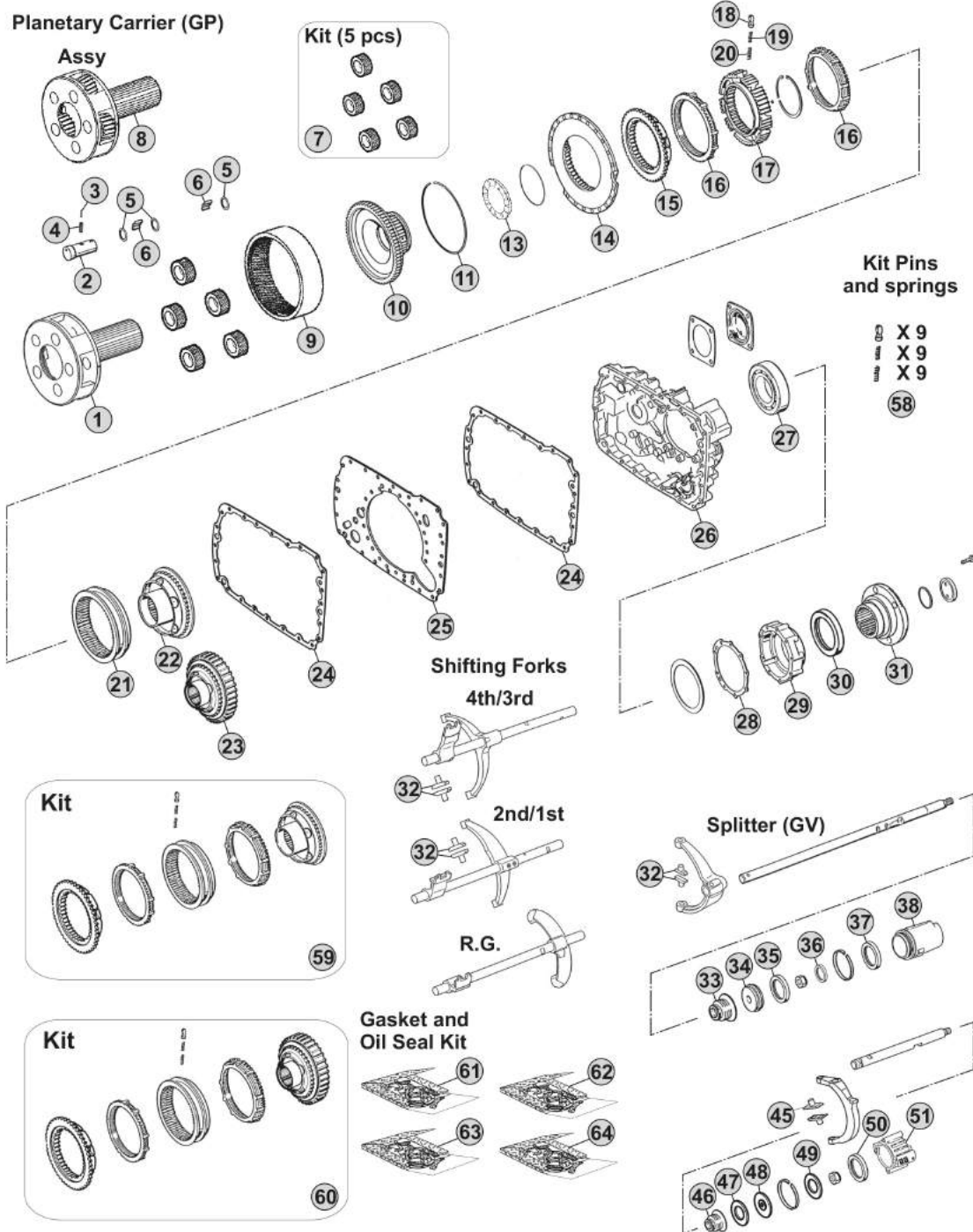
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1342 xxx xxx)



Notes

16S2223 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2223				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				
32	141.168	1316 306 015	Sliding pad	2	New Type	●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

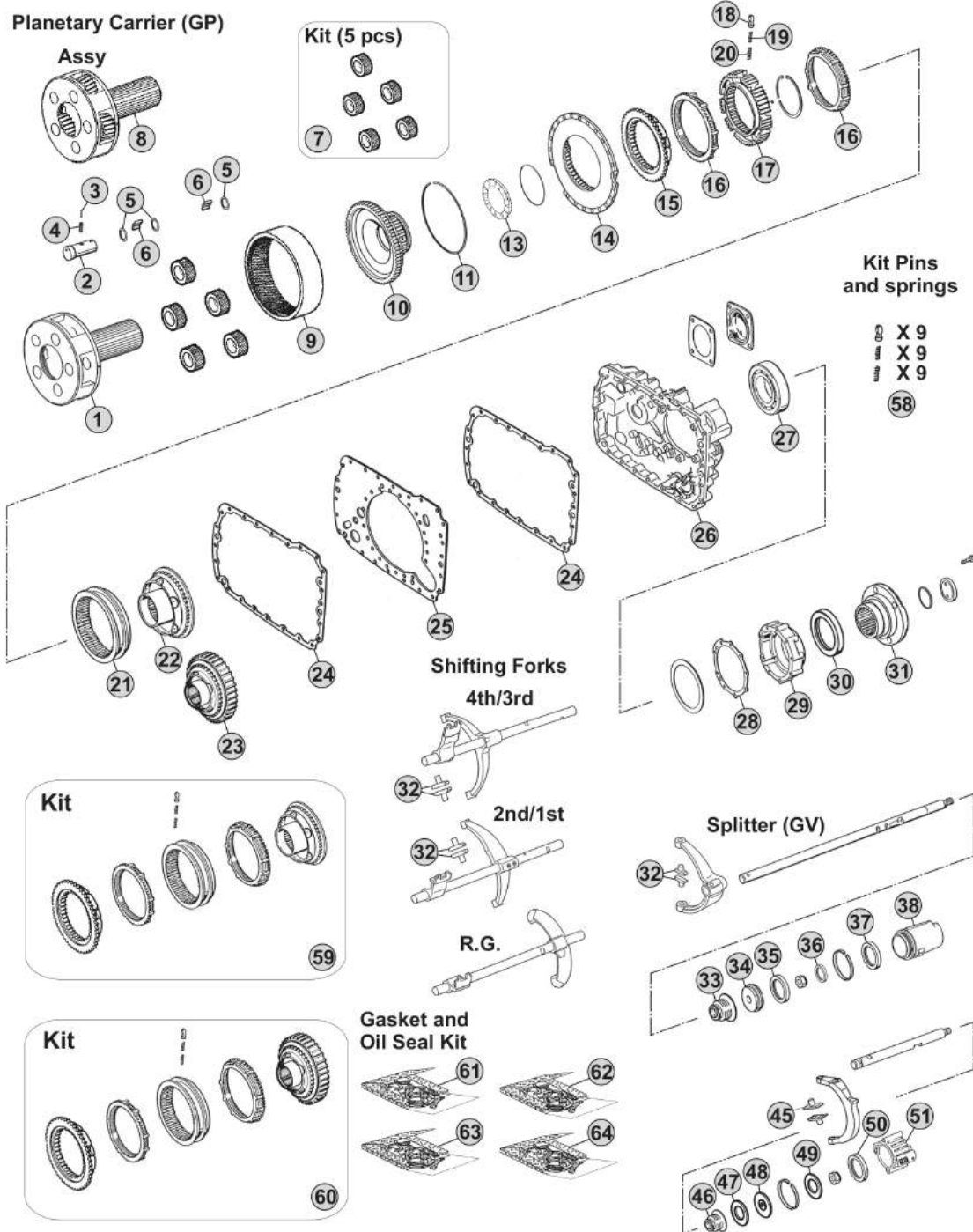
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1342 xxx xxx)



Notes

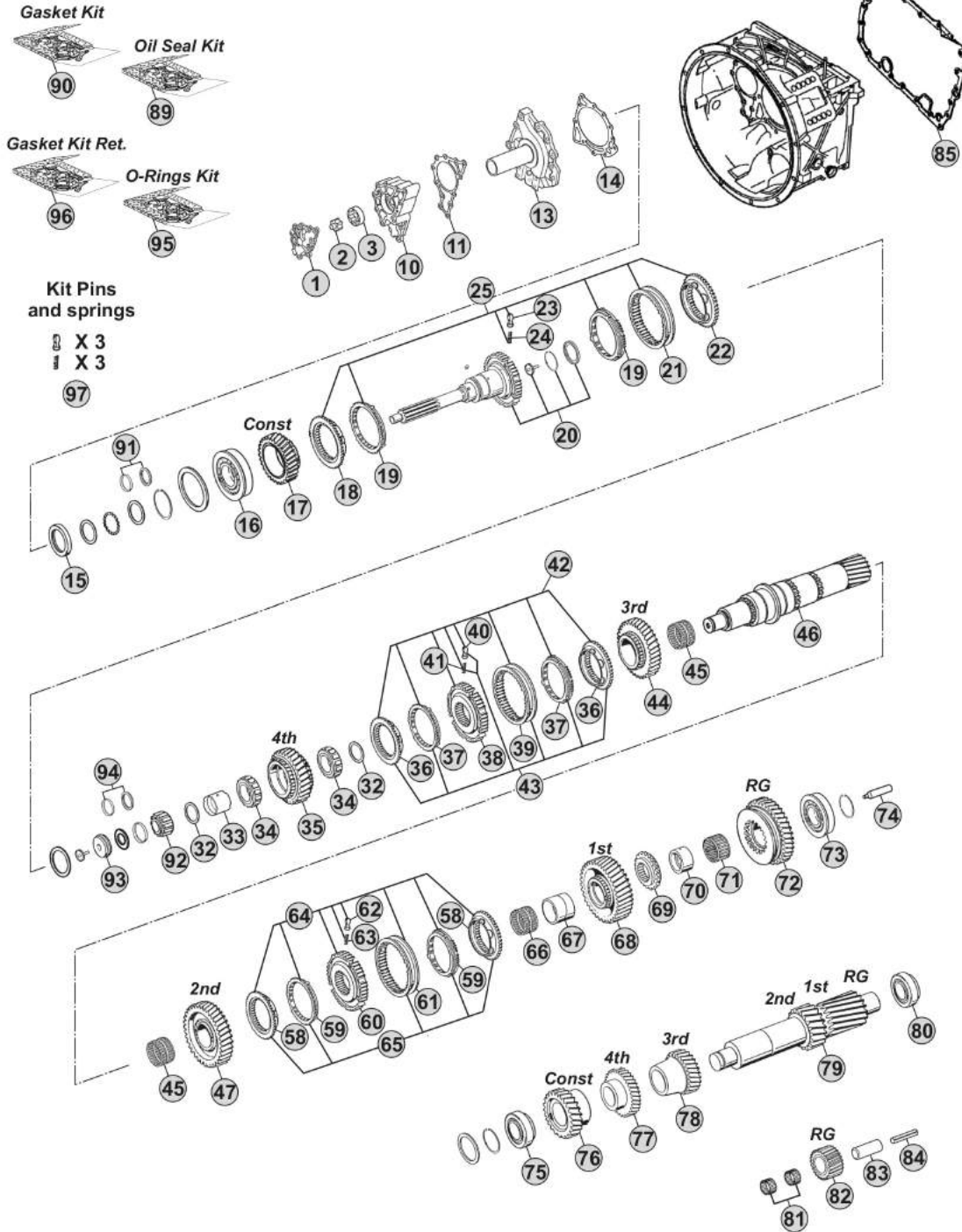
16S2223 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1343 xxx xxx)



Notes

16S2223 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2223				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.483	1316 302 066	Constant Gear 30 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	102.666	1316 202 040	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

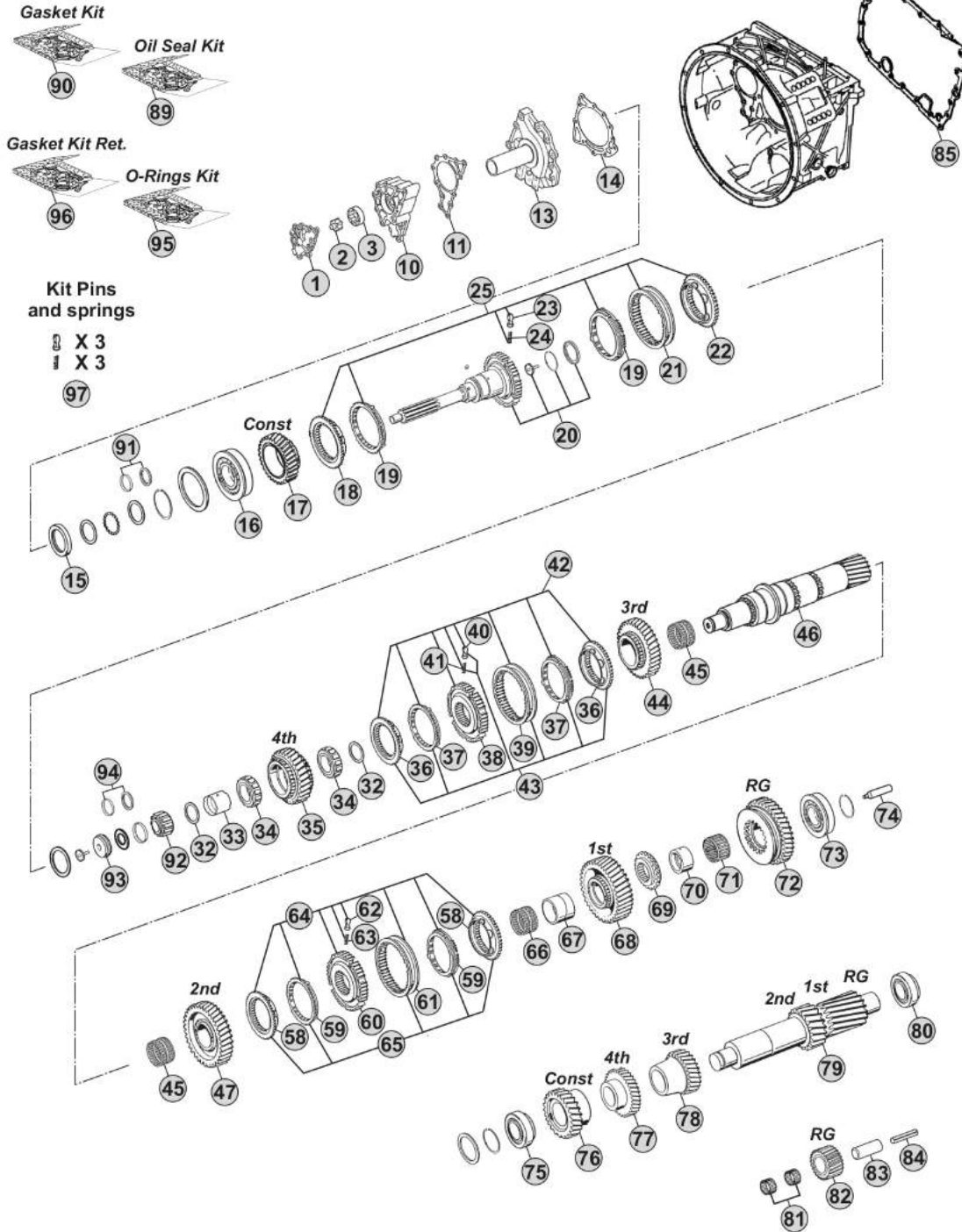
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1343 xxx xxx)



Notes

16S2223 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2223			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.290	1316 304 118	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2223
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

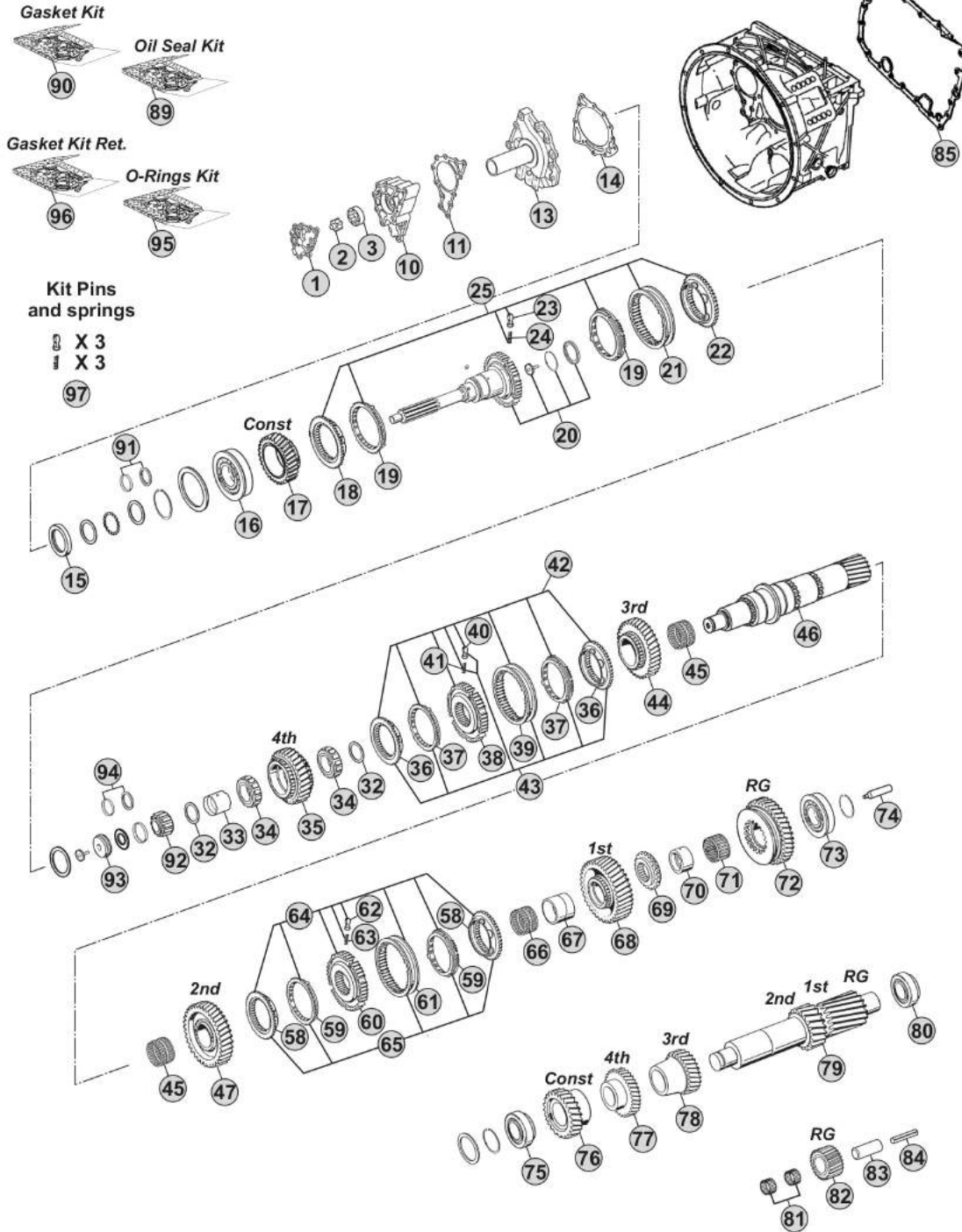
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1343 xxx xxx)



Notes

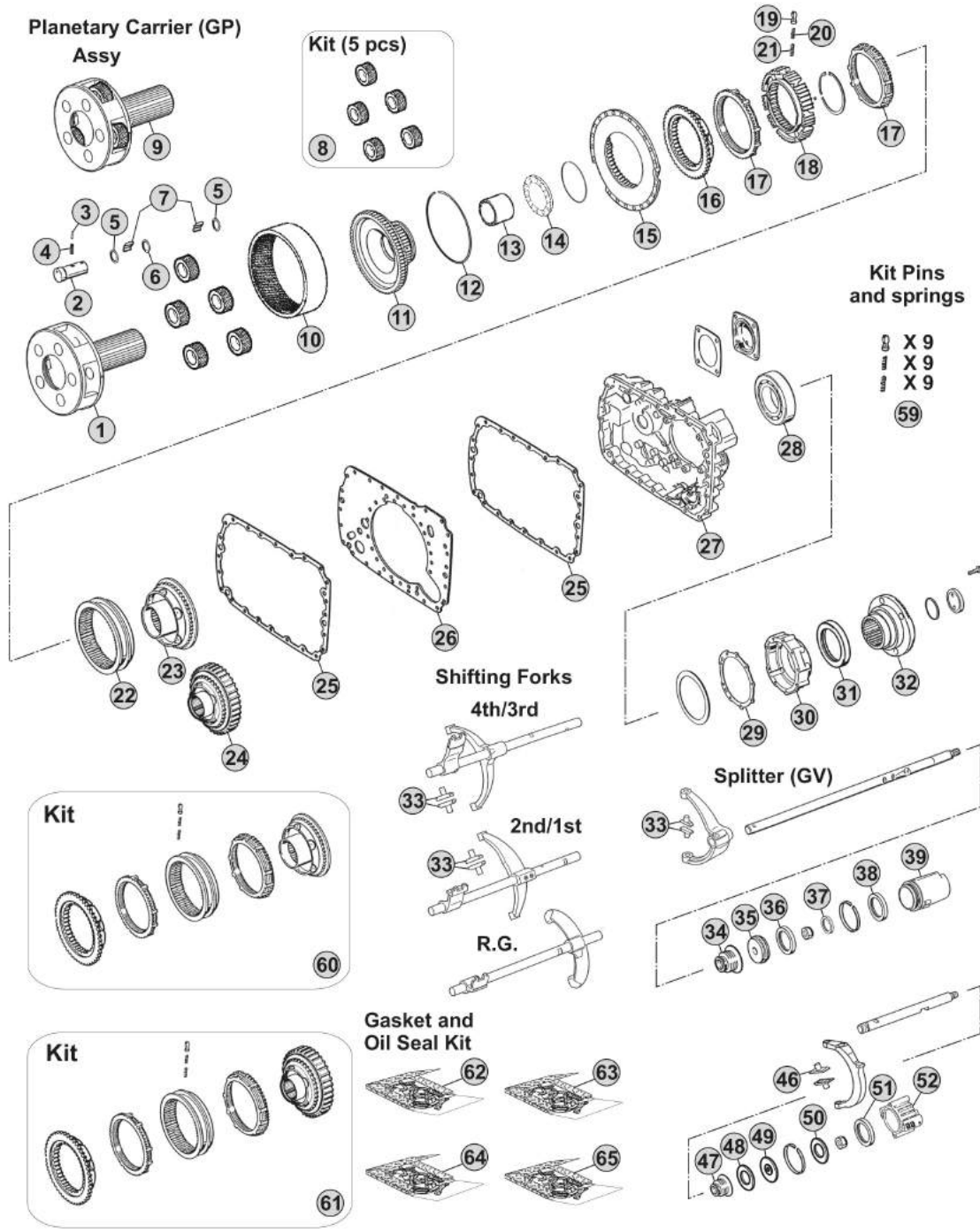
16S2223 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1343 xxx xxx)



Notes

16S2223 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2223				
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●				
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●				
2	107.204	1316 332 096	Planet Shaft	5	(70)	●				
2	107.256	1316 332 140	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	269.009	0730 109 323	Spacer Ring	10		●				
6	269.010	0730 109 309	Spacer Ring	5		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	298.024	1316 232 011	Planetary Gear Set	1		●				
9	298.861		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Crown Gear 82 T	1		●				
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
12	111.426	0730 513 583	Locking Wire	1		●				
13	119.256	1316 333 014	Intermediate Ring	1		●				
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
15	135.122	1296 333 046	Saddle Plate	1		●				
16	109.174	1296 333 050	Synchronizer Cone	1		●				
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
18	157.182	1313 333 001	Synchronizer Hub	1		●				
19	160.116	1240 304 278	Pressure Piece	9		●				
20	156.036	0732 040 386	Inner Spring De.3x34	9		●				
21	156.037	0732 040 385	Outer Spring De.6x34	9		●				
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
26	135.148	1315 301 118	Saddle plate	1		●				
27	175.242	1315 301 223	Housing	1	W/out Retarder	●				
27	175.422	6085 201 079	Housing	1	With Retarder	●				
28	130.245	0750 116 394	Bearing 90x160x30	1		●				
29	139.644	1315 331 001	Gasket	1		●				
30	175.421	1315 231 004	Cover	1		●				
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
32	197.254	1297 333 110	Output Flange D.180 mm	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

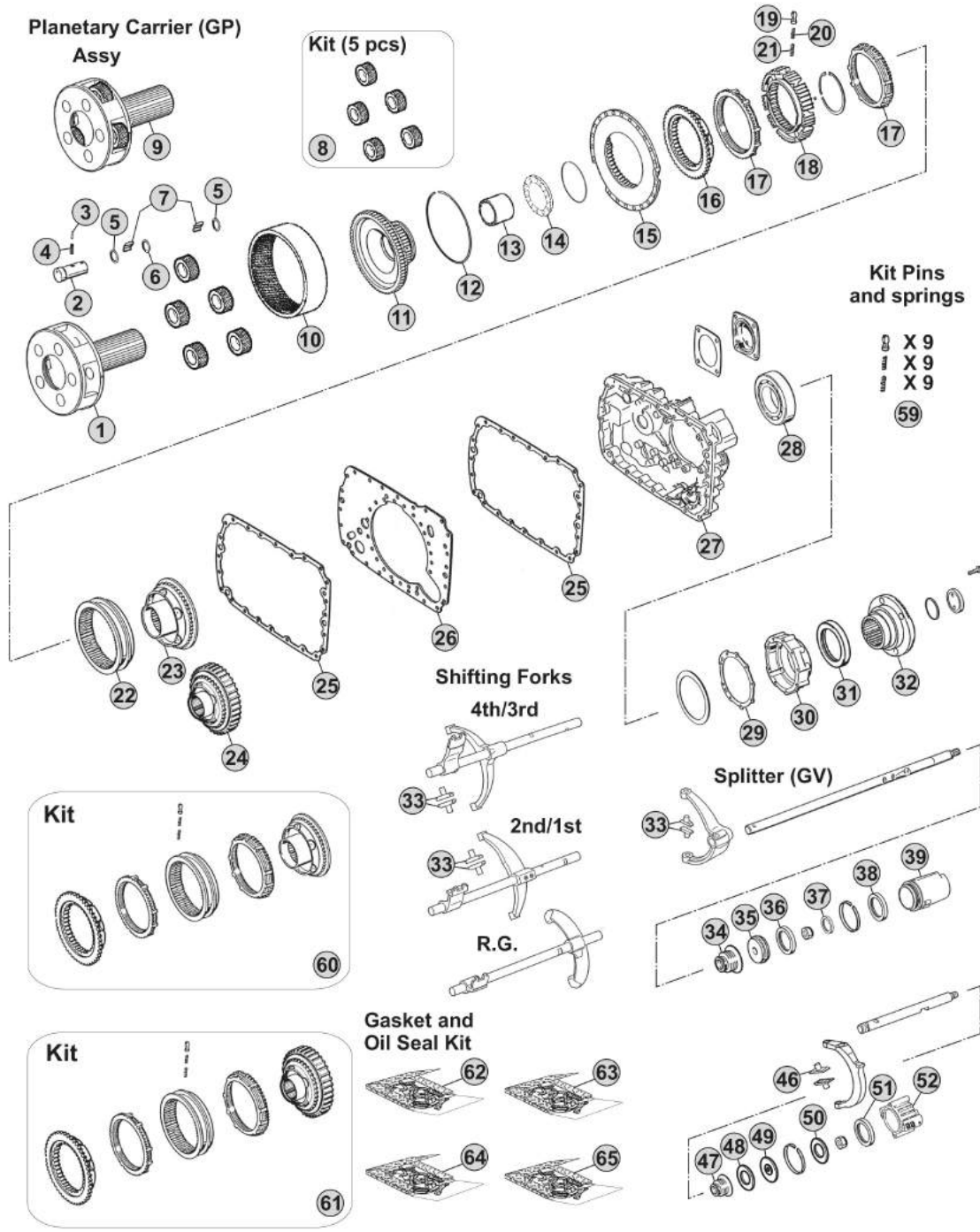
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2223 (1343 xxx xxx)



Notes

16S2223 R. 16,41-1,00

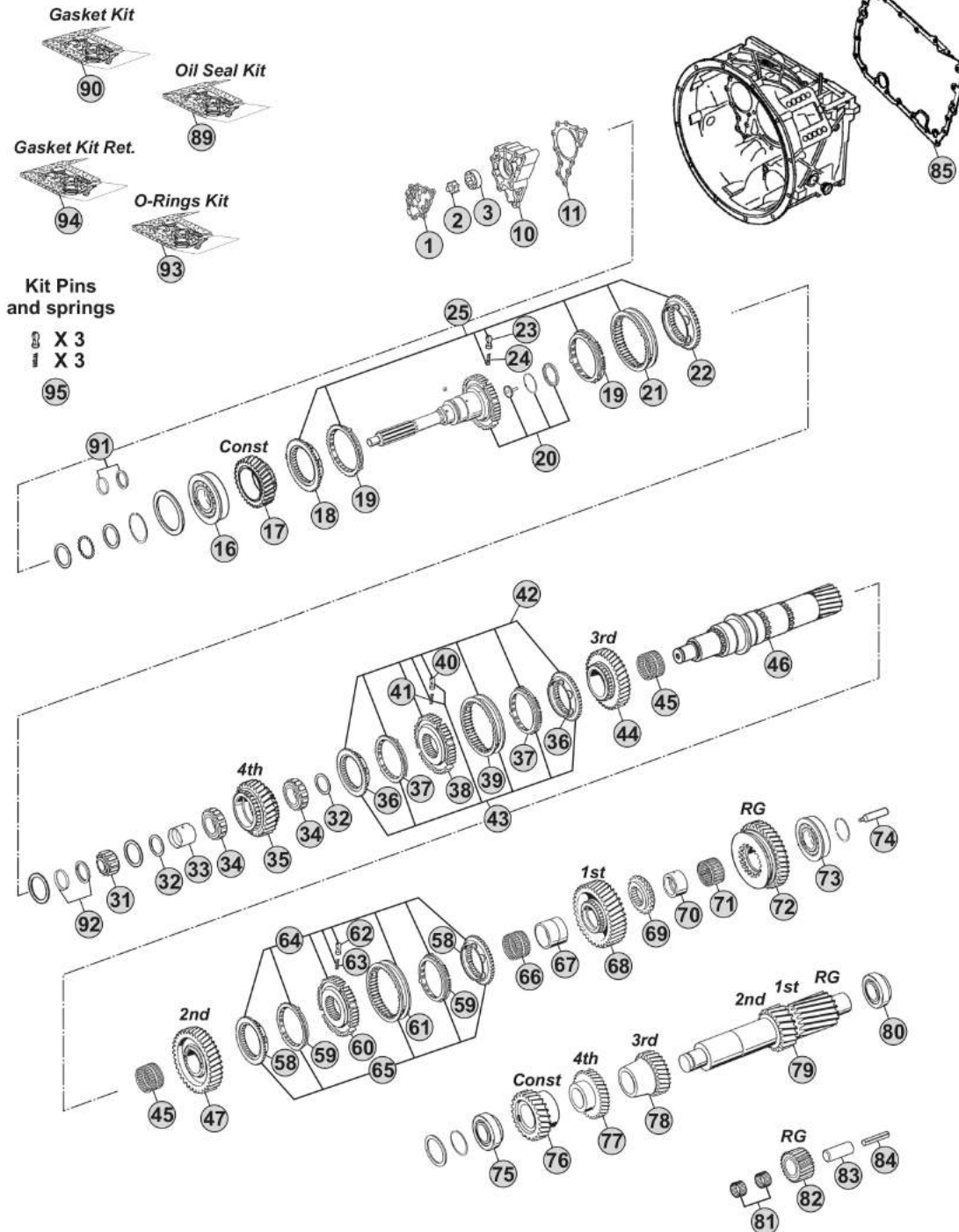
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1342 xxx xxx)



Notes

16S2225 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2225			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.512	1316 221 017	Input Shaft	1	W/NMV	●			
20	190.542	1316 221 018	Input Shaft	1	W/NMV	●			
20	190.565	1316 221 019	Input Shaft	1	W/NMV	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			

 NEW ECOSPLIT III
16S2225
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

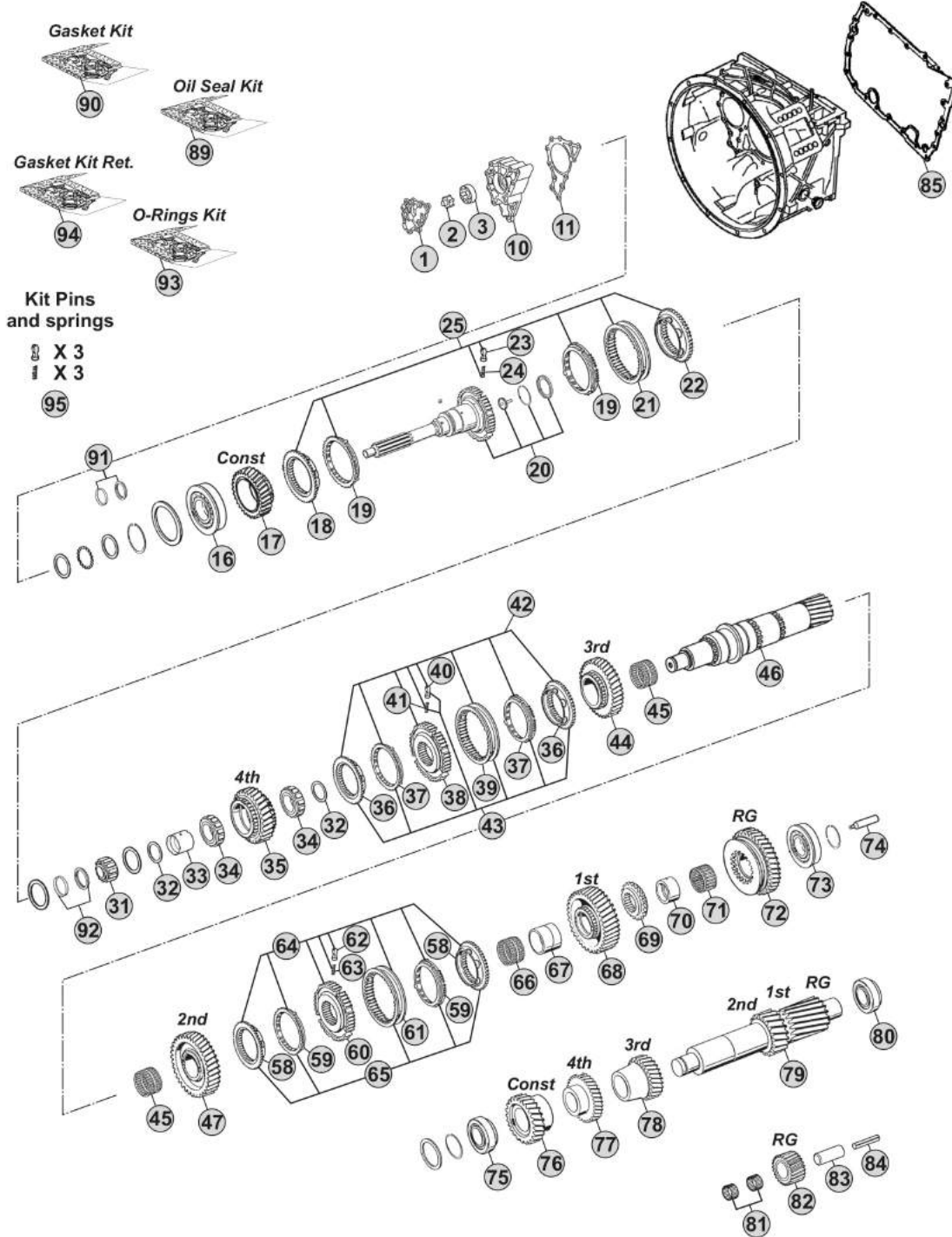
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1342 xxx xxx)



Notes

16S2225 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2225			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2225
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

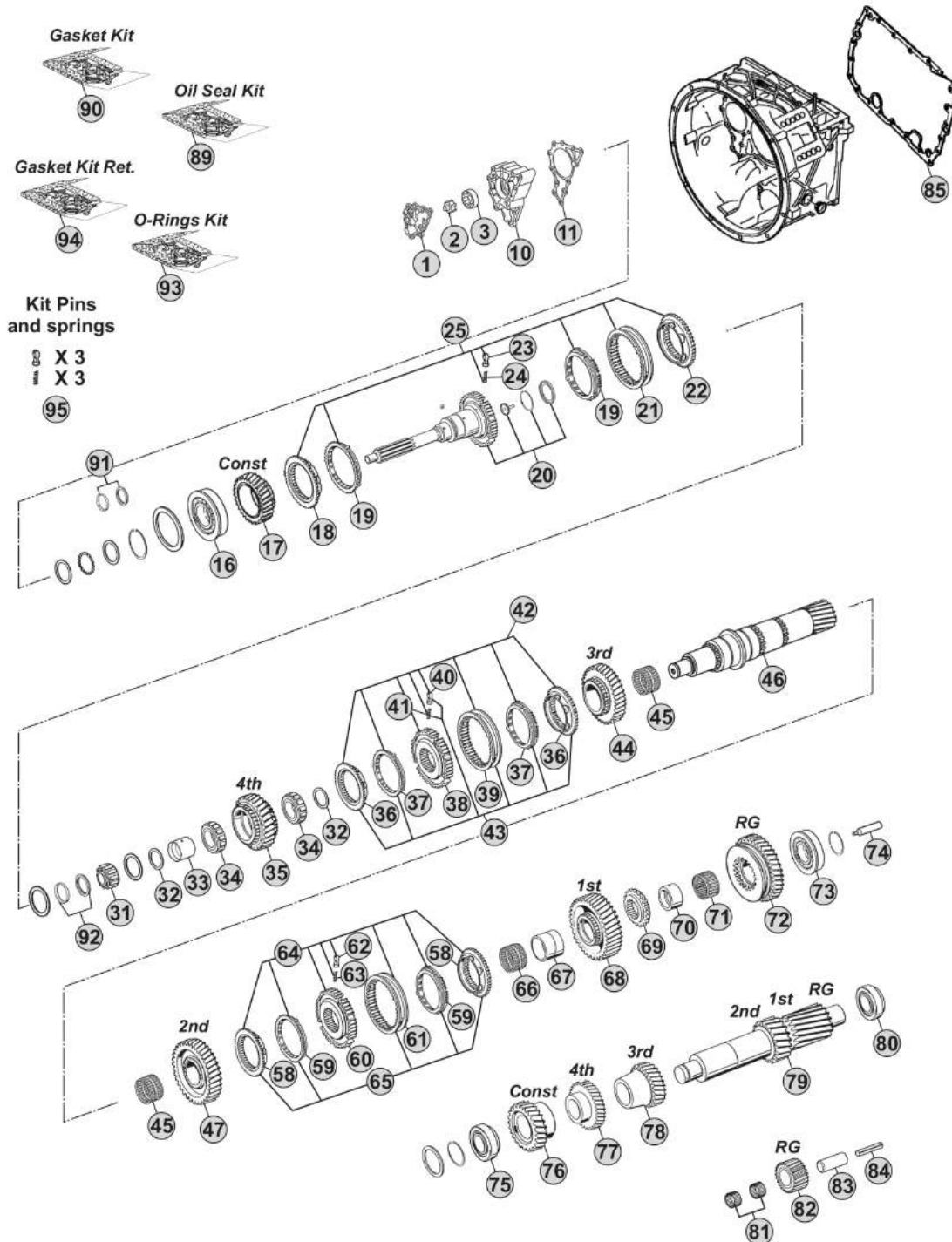
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1342 xxx xxx)



Notes

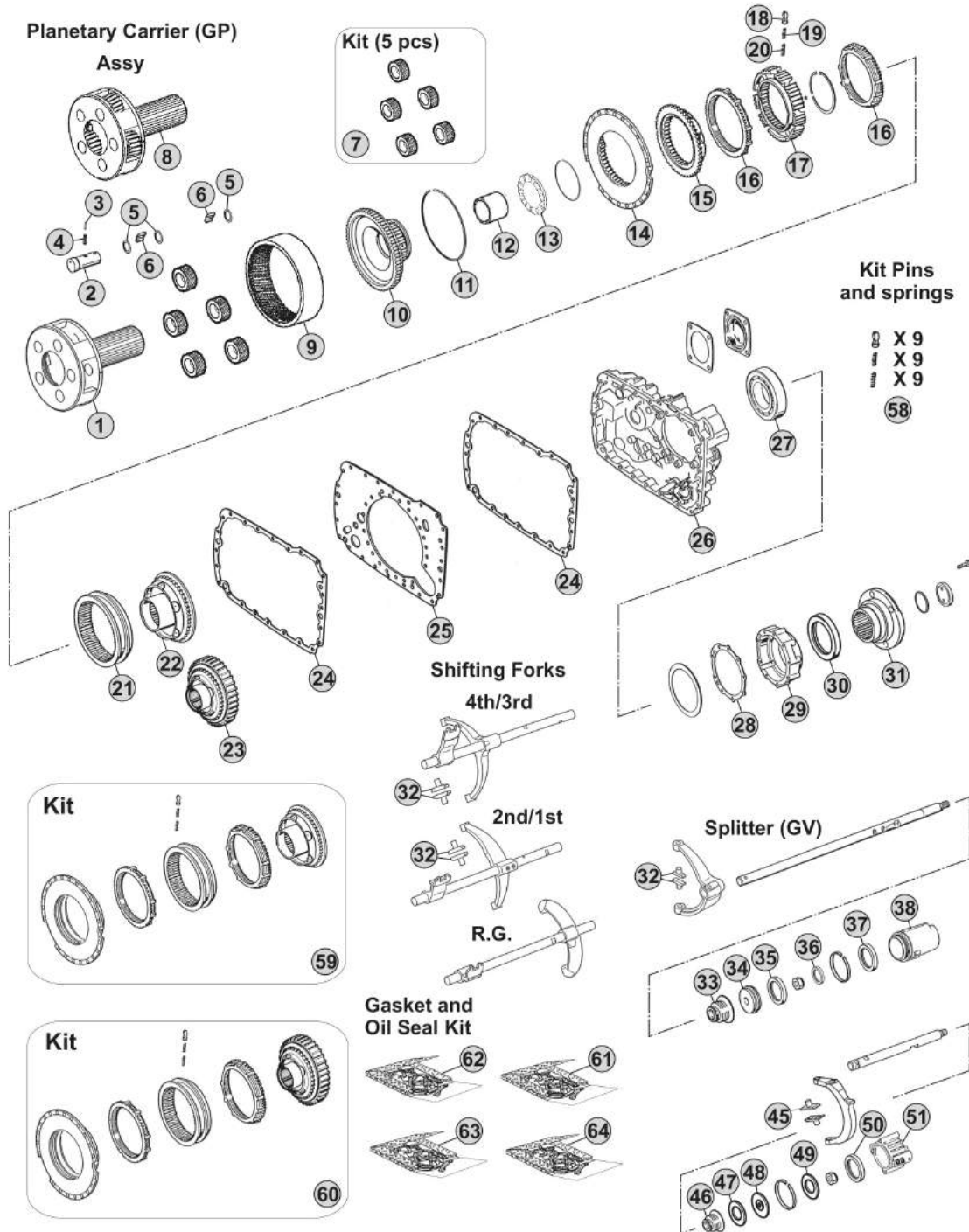
16S2225 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1342 xxx xxx)



Notes

16S2225 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2225				
1	190.394	1315 232 017	Planetary Carrier	1	(70)	●				
1	190.504	1315 232 027	Planetary Carrier	1	(71)	●				
2	107.159	1315 332 053	Planerary pin	5	(70)	●				
2	107.255	1315 332 091	Planerary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
8	298.862		Planetary Carrier Assy	1	(71)	●				
9	123.211	1315 332 041	Crown Gear 82 T	1		●				
10	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
10	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
11	111.426	0730 513 583	Locking Wire	1		●				
12	119.256	1316 333 014	Intermediate Ring	1		●				
13	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
14	135.122	1296 333 046	Saddle Plate	1		●				
15	109.174	1296 333 050	Synchronizer Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.182	1313 333 001	Synchronizer Hub	1		●				
18	160.116	1240 304 278	Pressure Piece	9		●				
19	156.036	0732 040 386	Inner Spring De.3x34	9		●				
20	156.037	0732 040 385	Outer Spring De.6x34	9		●				
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
22	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
22	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●				
23	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
25	135.148	1315 301 118	Saddle plate	1		●				
26	175.242	1315 301 223	Housing	1	W/out Retarder	●				
26	175.422	6085 201 079	Housing	1	With Retarder	●				
27	130.245	0750 116 394	Bearing 90x160x30	1		●				
28	139.644	1315 331 001	Gasket	1		●				
29	175.421	1315 231 004	Cover	1		●				
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
31	197.254	1297 333 110	Output Flange D.180 mm	1		●				
32	141.163	1297 306 120	Sliding pad	2	Old Type	●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

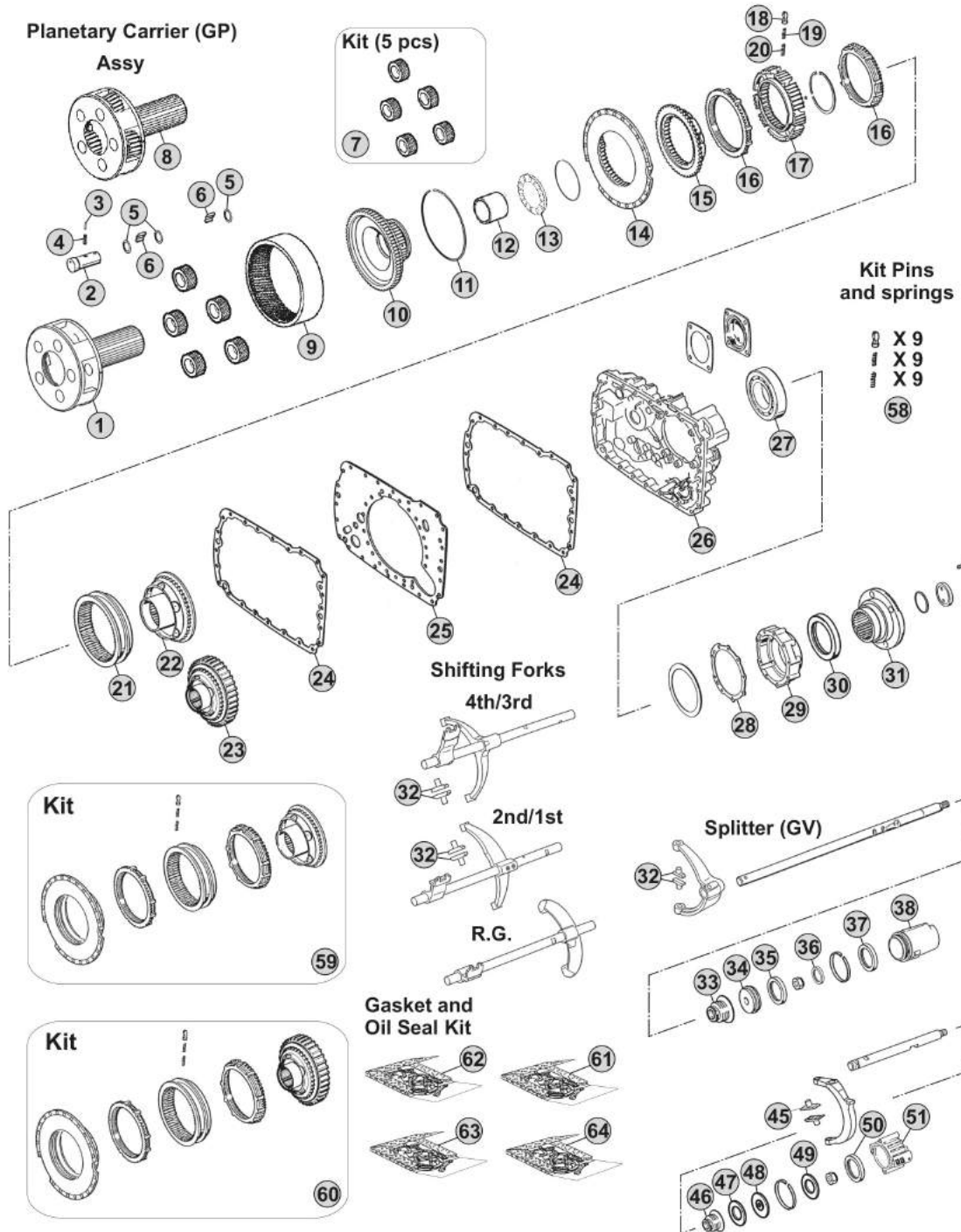
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1342 xxx xxx)



Notes

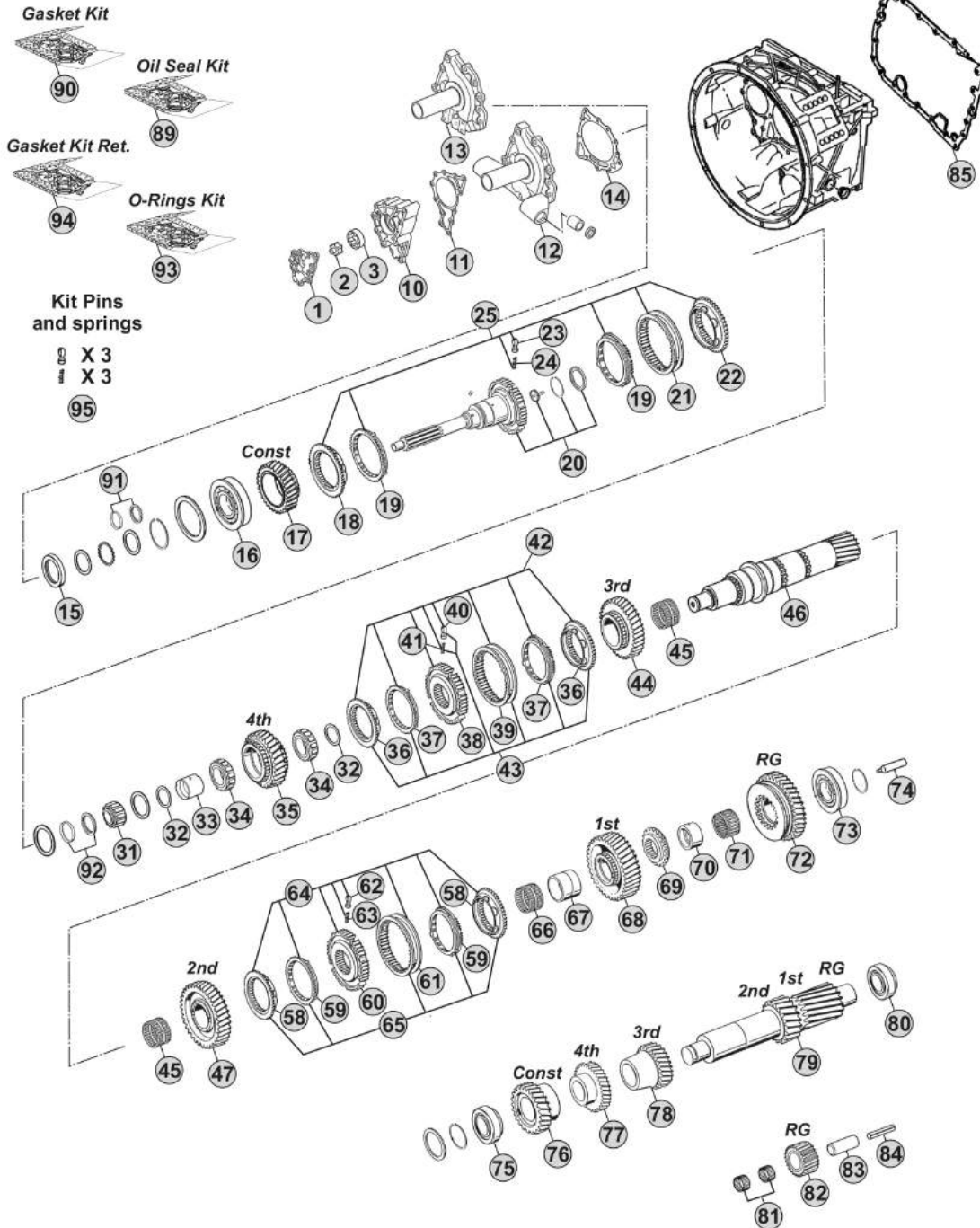
16S2225 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1343 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2225			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

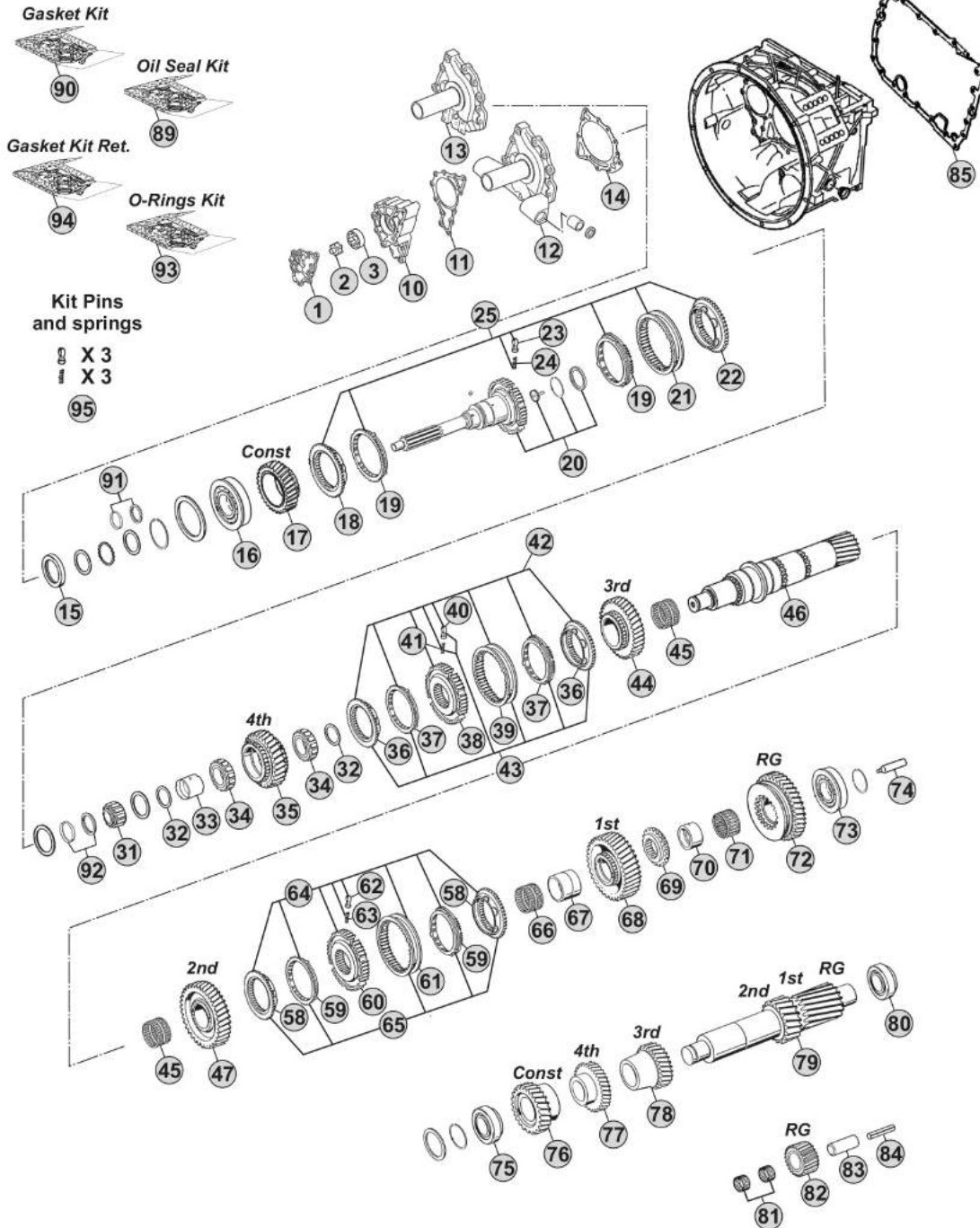
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1343 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2225			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			

Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

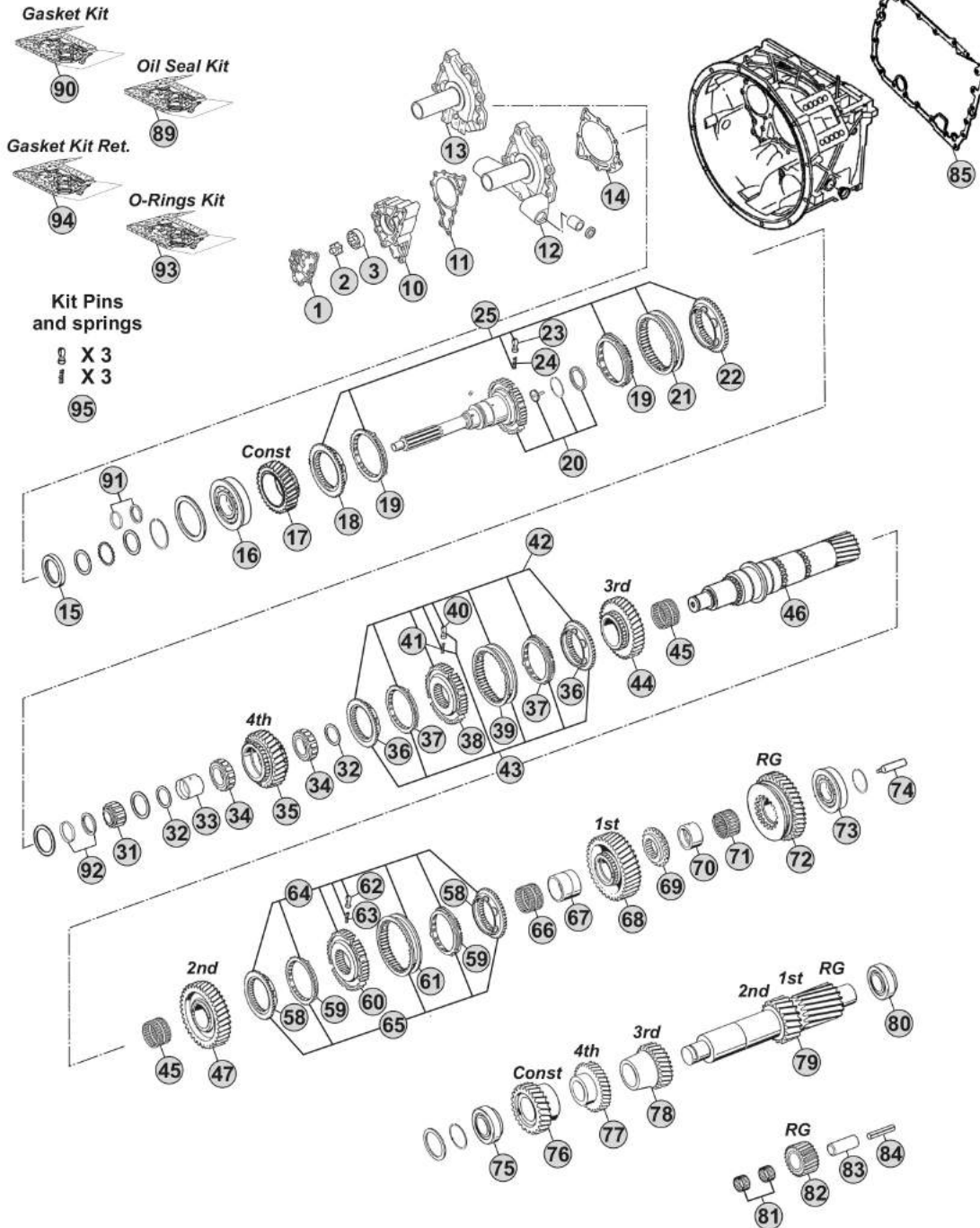
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1343 xxx xxx)



Notes

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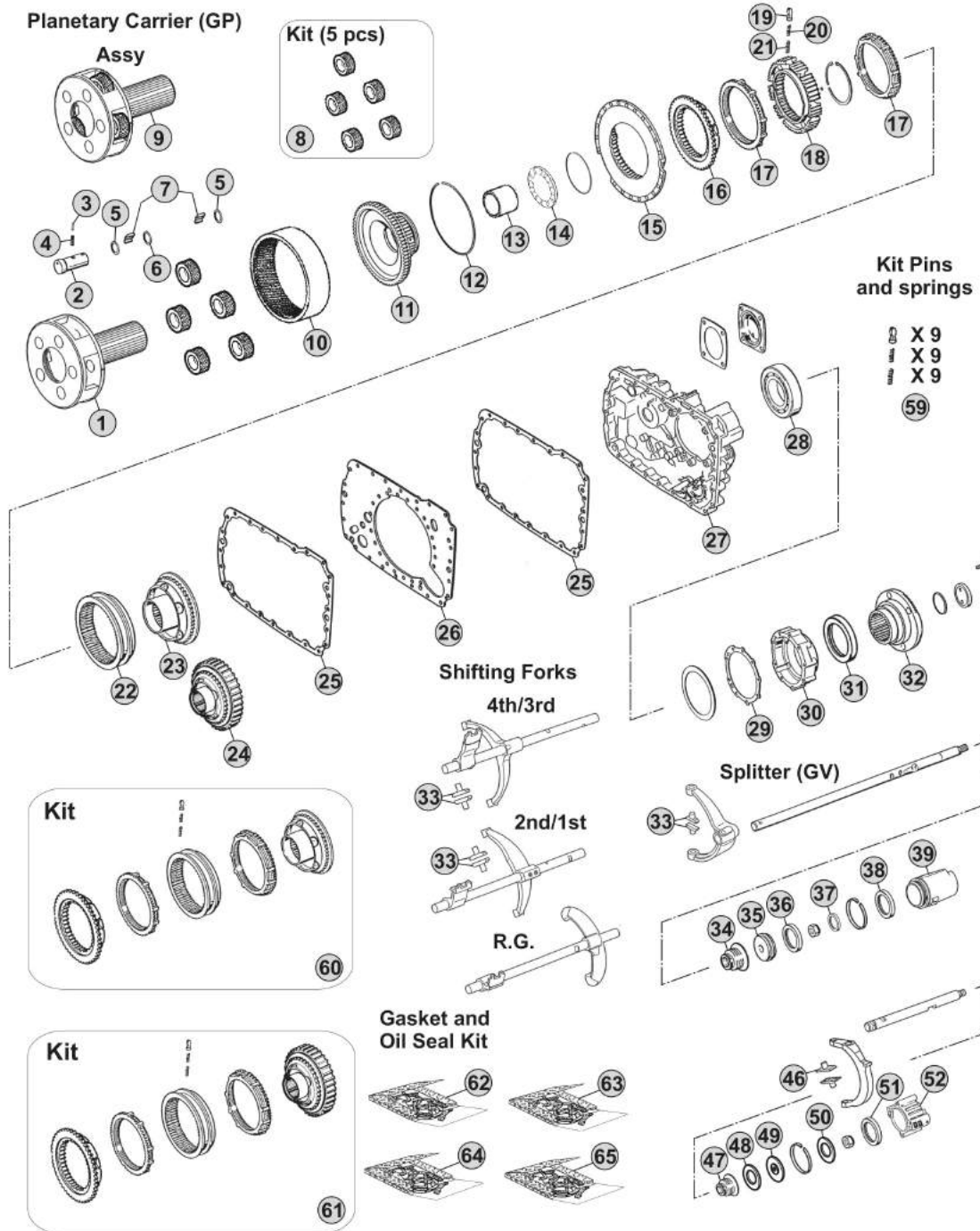
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MODELS:

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VERSIONS:

- 16S2225 (1343 xxx xxx)



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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2225				
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●				
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●				
2	107.204	1316 332 096	Planet Shaft	5	(70)	●				
2	107.256	1316 332 140	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	269.009	0730 109 323	Spacer Ring	10		●				
6	269.010	0730 109 309	Spacer Ring	5		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	298.024	1316 232 011	Planetary Gear Set	1		●				
9	298.861		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Crown Gear 82 T	1		●				
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
12	111.426	0730 513 583	Locking Wire	1		●				
13	119.256	1316 333 014	Intermediate Ring	1		●				
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
15	135.122	1296 333 046	Saddle Plate	1		●				
16	109.174	1296 333 050	Synchronizer Cone	1		●				
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
18	157.182	1313 333 001	Synchronizer Hub	1		●				
19	160.116	1240 304 278	Pressure Piece	9		●				
20	156.036	0732 040 386	Inner Spring De.3x34	9		●				
21	156.037	0732 040 385	Outer Spring De.6x34	9		●				
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
26	135.148	1315 301 118	Saddle plate	1		●				
27	175.242	1315 301 223	Housing	1	W/out Retarder	●				
27	175.422	6085 201 079	Housing	1	With Retarder	●				
28	130.245	0750 116 394	Bearing 90x160x30	1		●				
29	139.644	1315 331 001	Gasket	1		●				
30	175.421	1315 231 004	Cover	1		●				
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
32	197.254	1297 333 110	Output Flange D.180 mm	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

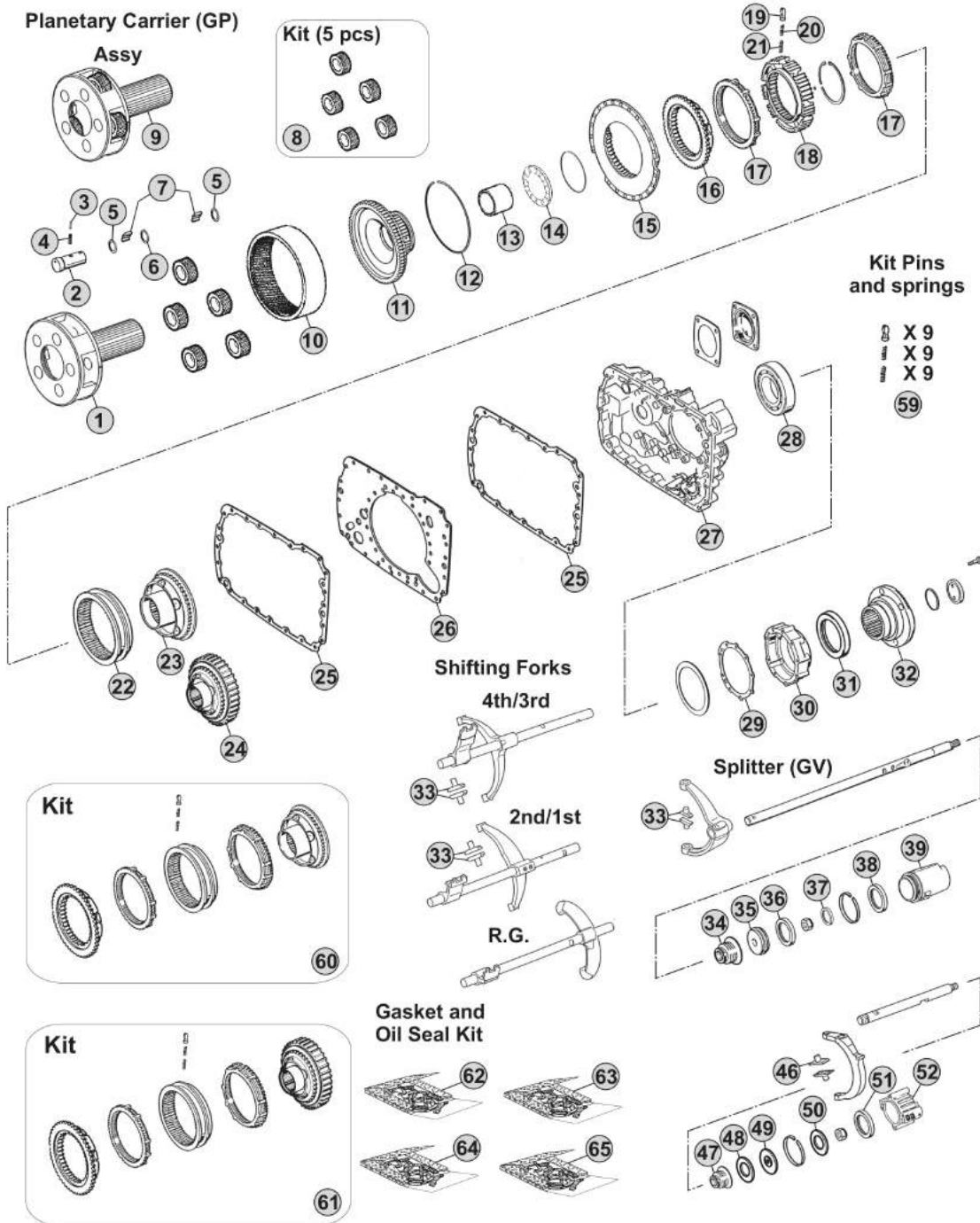
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2225 (1343 xxx xxx)



Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

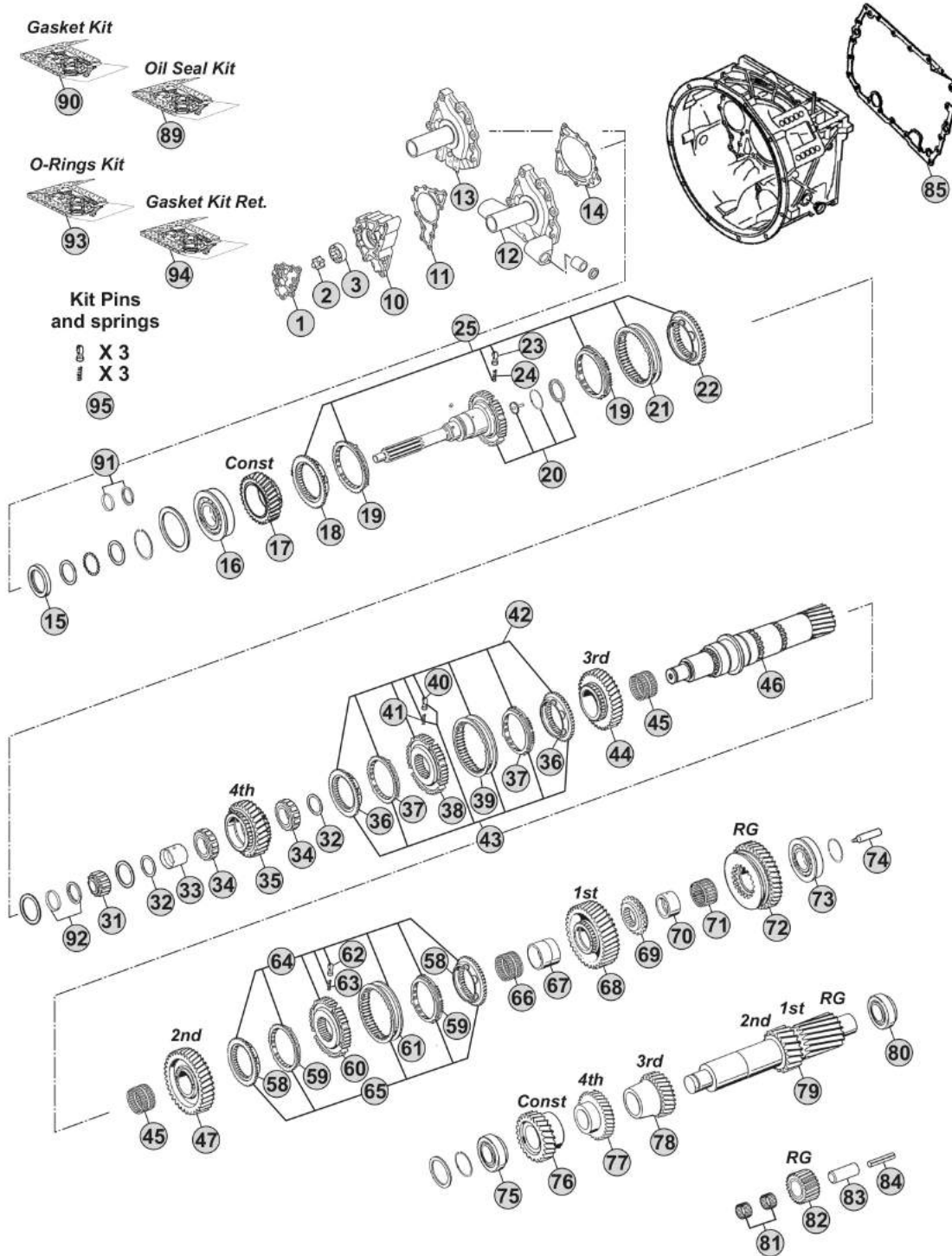
Notes

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2320 (1344 xxx xxx)



Notes

16S2320 R. 16,41-1,00

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2320			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.417	1316 202 038	Input Shaft	1		●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

 NEW ECOSPLIT III
16S2320
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

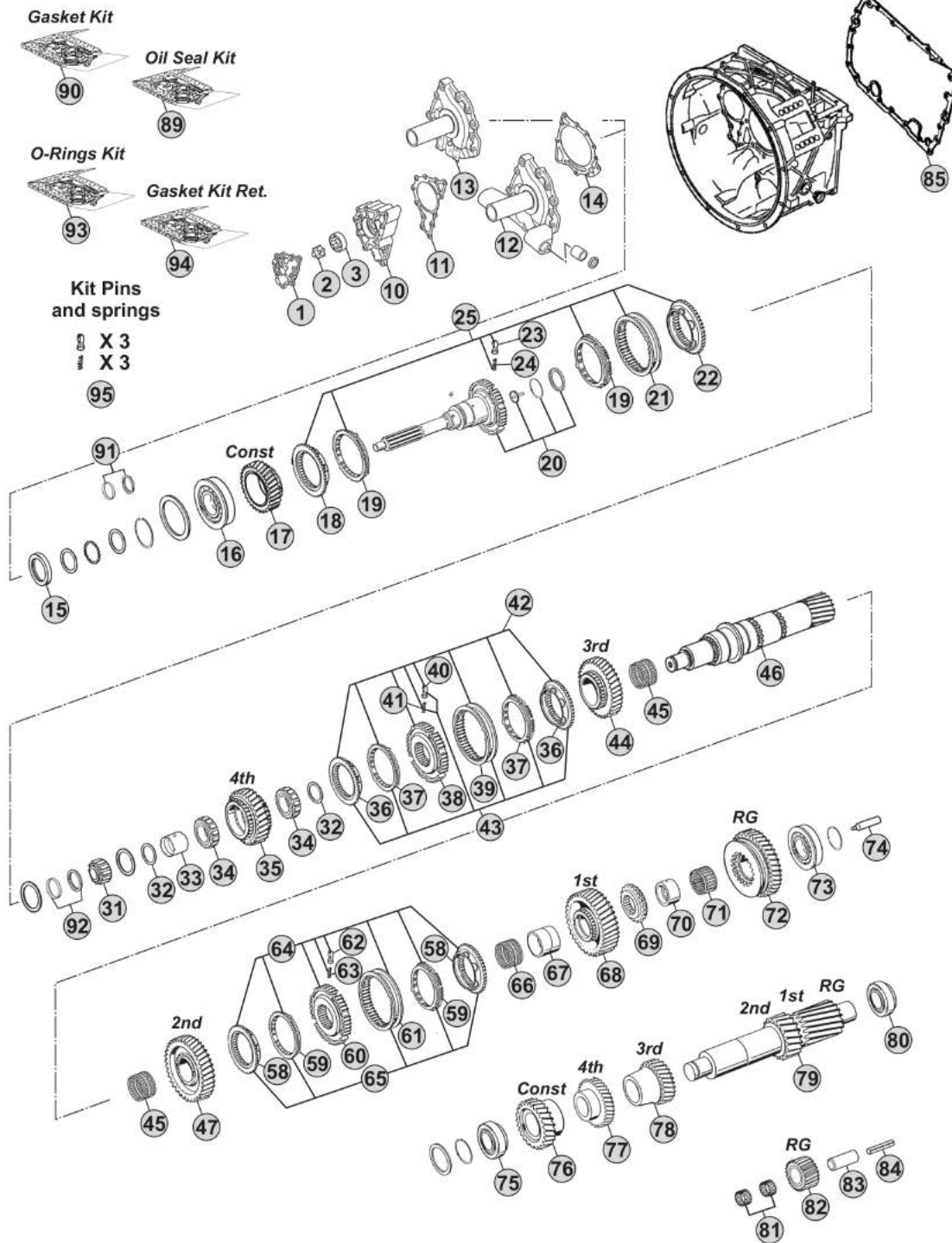
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2320 (1344 xxx xxx)



Notes

16S2320 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2320			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			

 NEW ECOSPLIT III
16S2320
Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

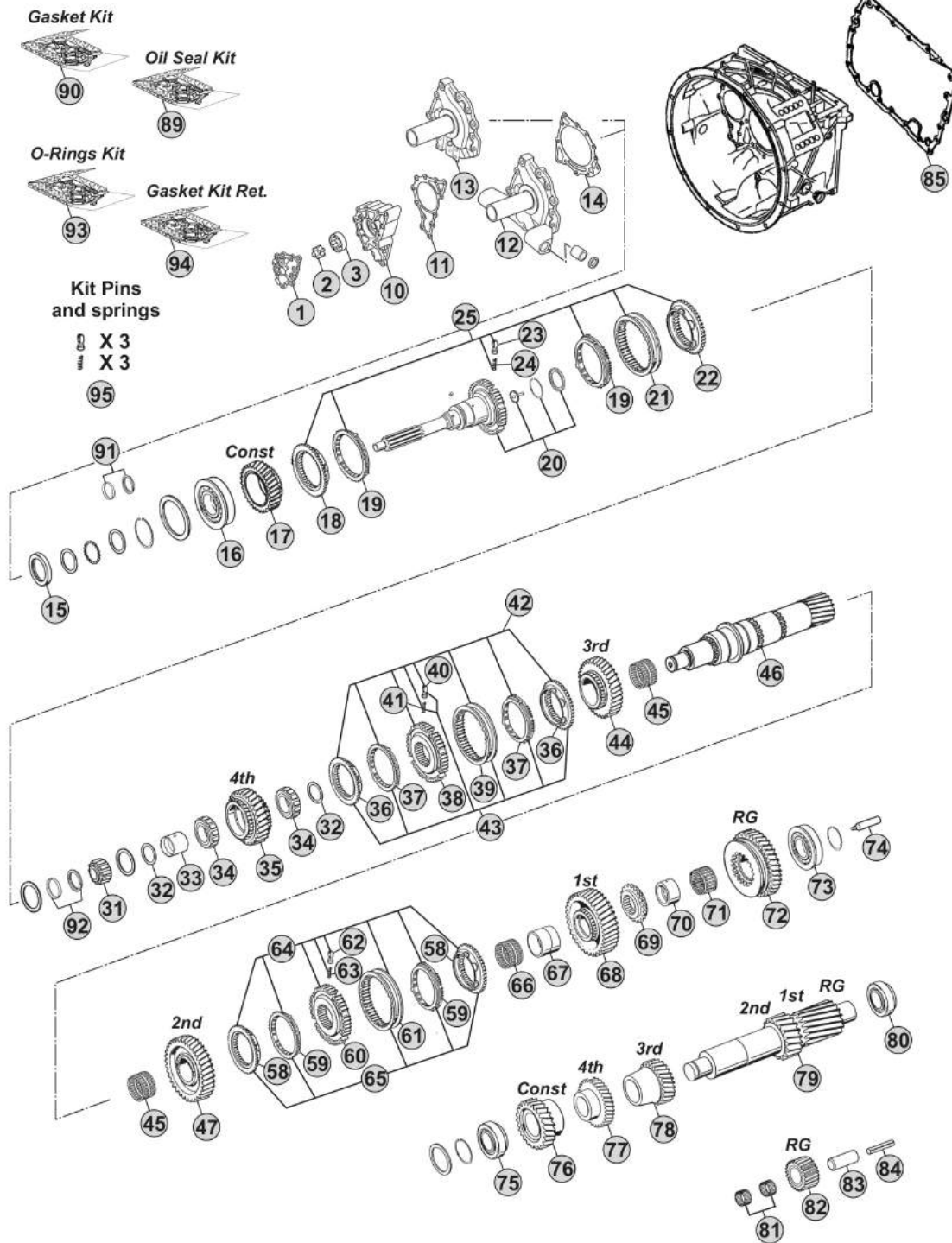
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2320 (1344 xxx xxx)



Notes

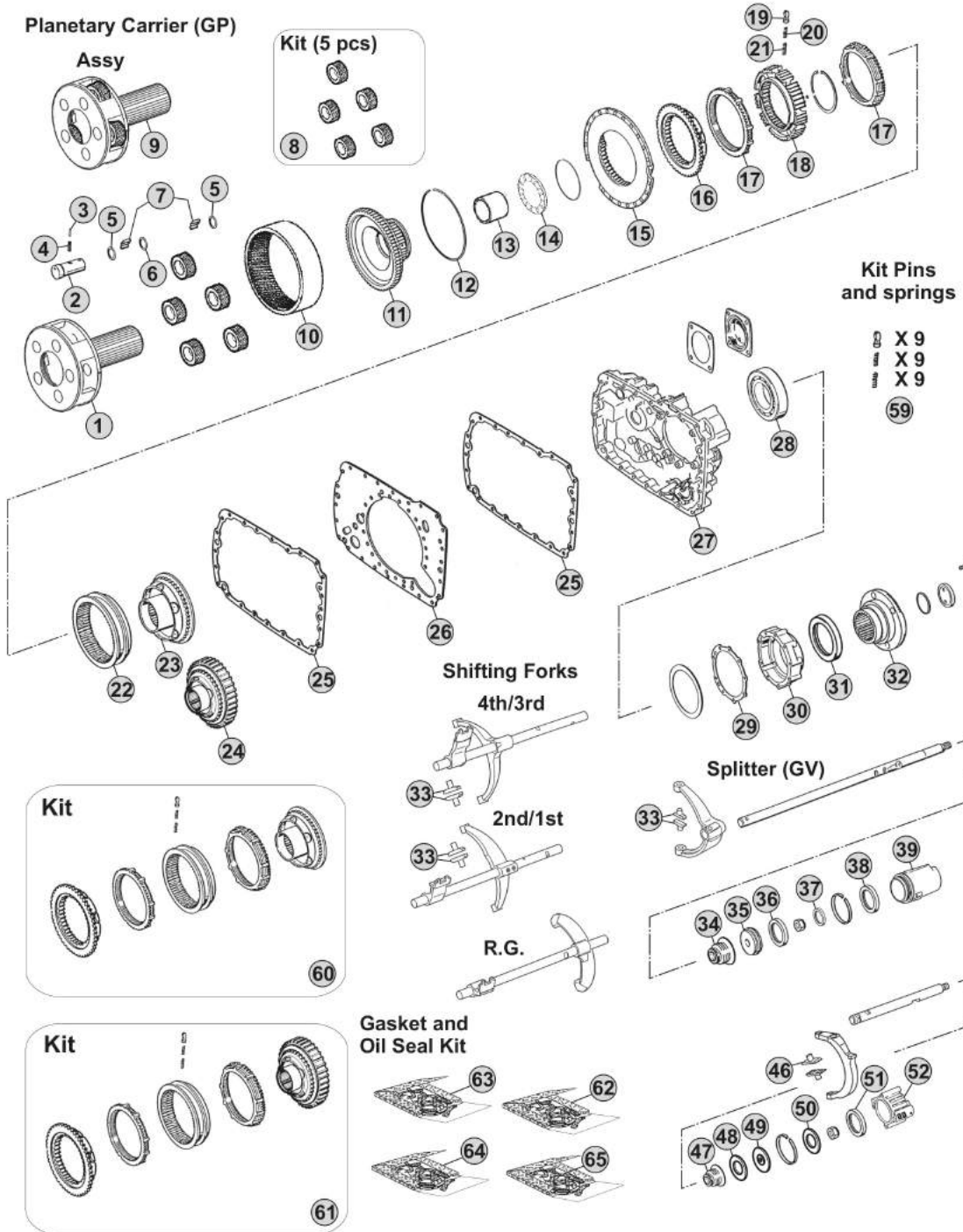
16S2320 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2320 (1344 xxx xxx)



Notes

16S2320 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2320			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

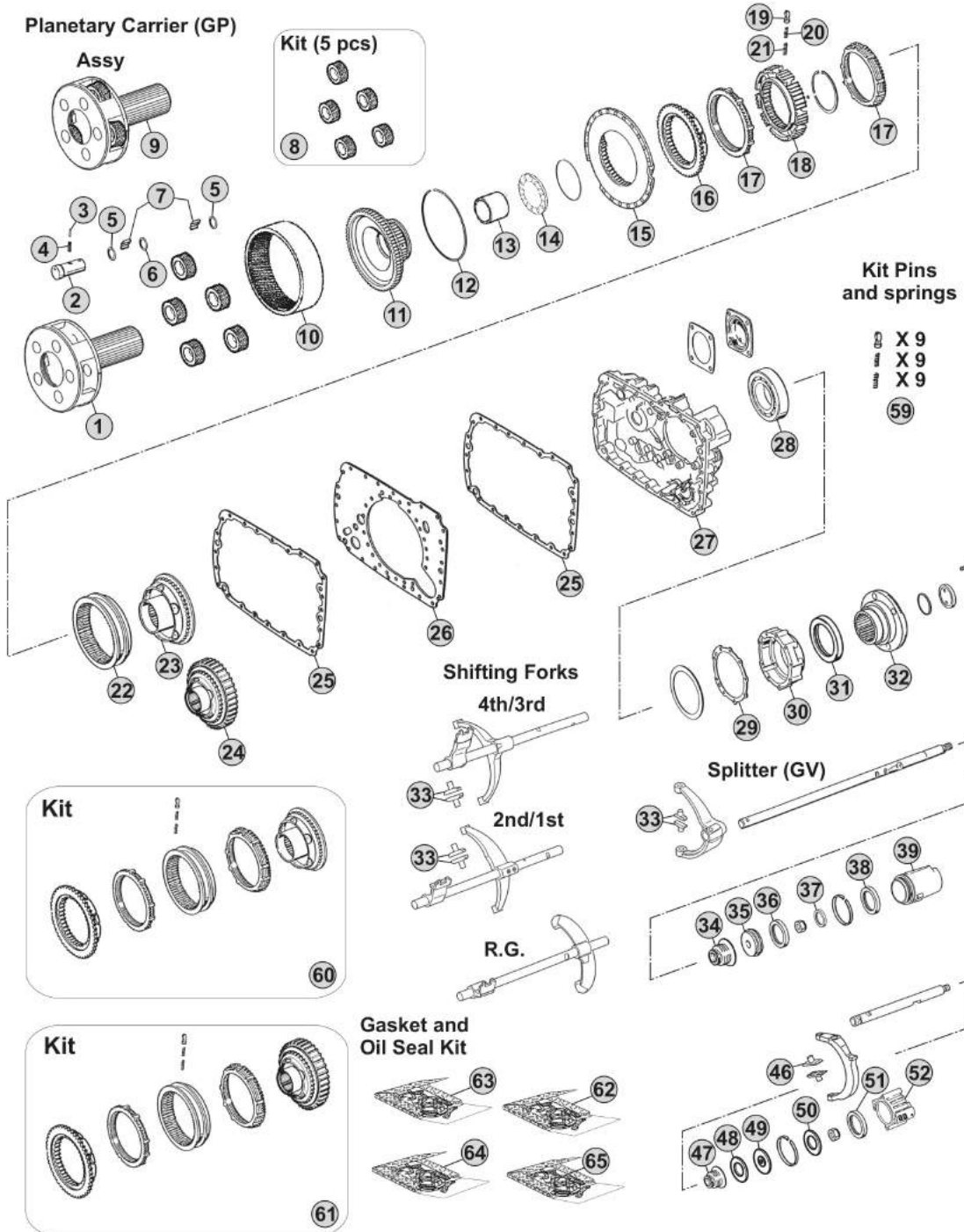
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2320 (1344 xxx xxx)



Notes

16S2320 R. 16,41-1,00

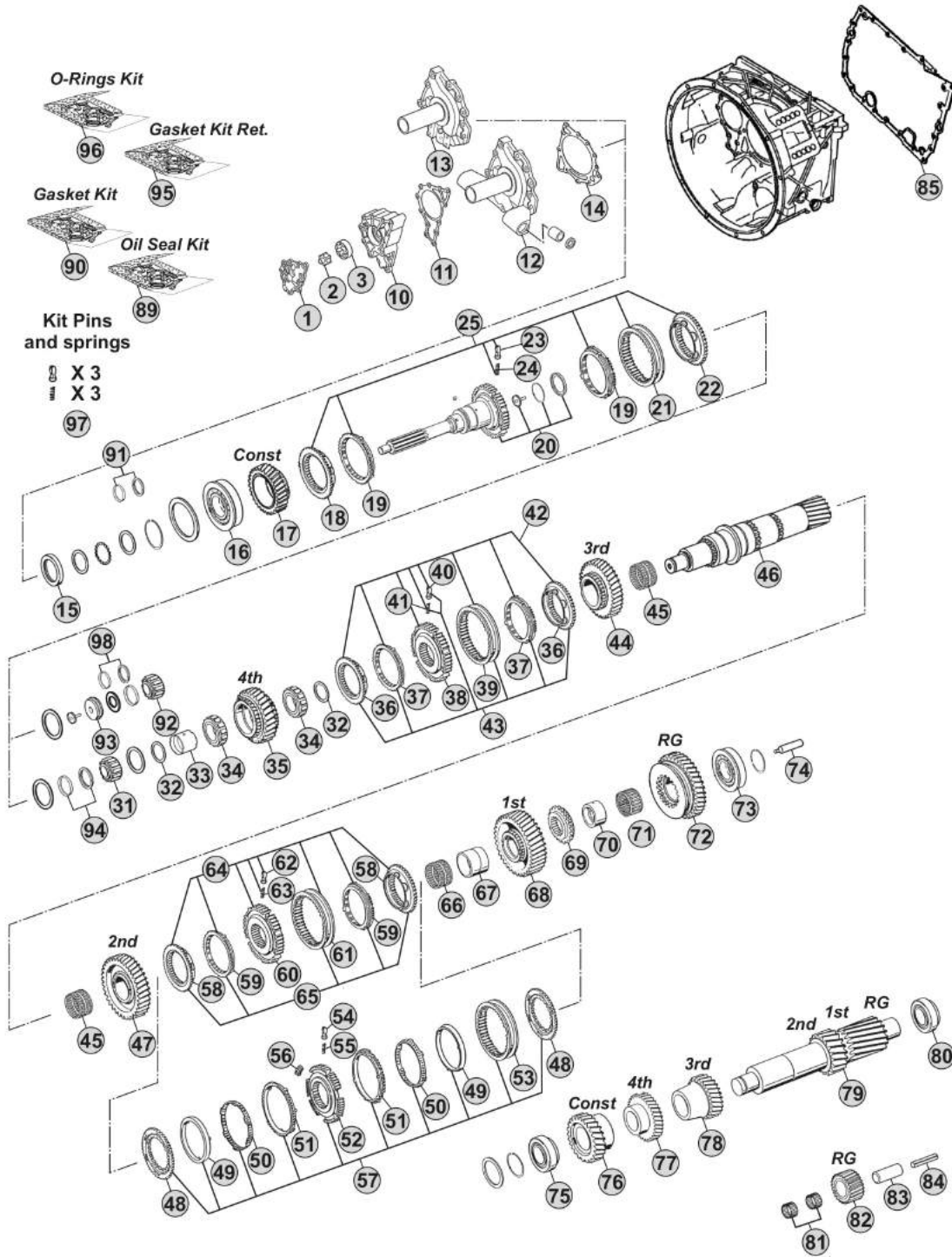
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2321 (1344 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2321			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1	(12)	●			
20	190.300	1316 202 026	Input Shaft	1	(12)	●			
20	190.417	1316 202 038	Input Shaft	1	(12)	●			
20	102.666	1316 202 040	Input Shaft	1	(13)	●			
20	102.569	1316 202 044	Input Shaft	1	(13)	●			
20	102.570	1316 202 046	Input Shaft	1	(13)	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(12)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(12) Only for 1316 304 132

(13) Only for 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

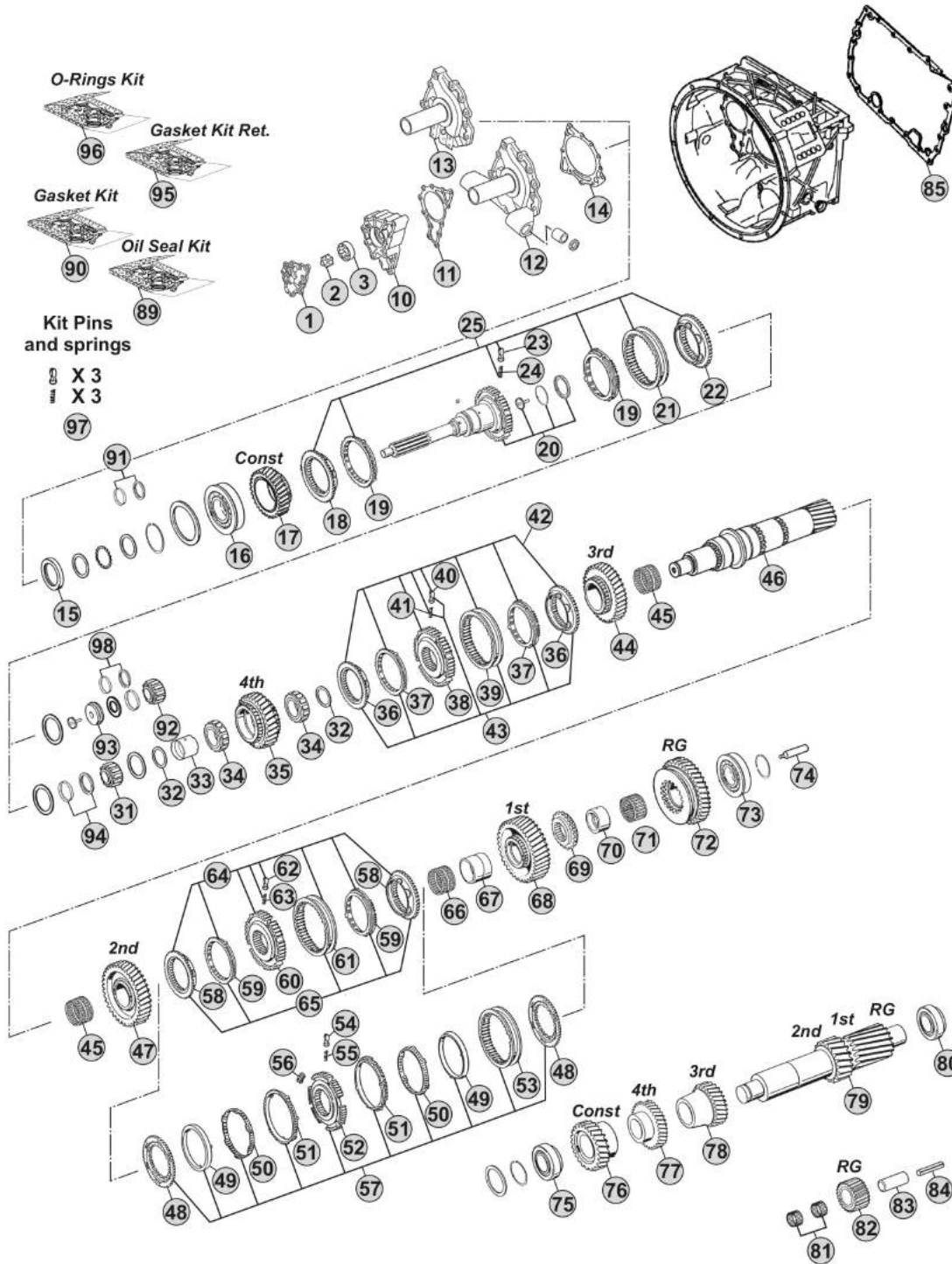
(22) Only for 3rd/4th Speed - Latest type - Do not mix

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2321 (1344 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2321			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●			
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
49	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
50	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			
51	119.144	1268 304 525	Synchronizer Ring	2	(30)	●			
52	157.181	1312 304 158	Synchronizer Hub	1	(30)	●			
53	154.190	1310 304 175	Sliding Sleeve	1	(30)	●			
54	160.189	1297 304 436	Pressure Piece	3	(30)	●			
55	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●			
56	156.176	1312 304 159	Slide	3	(30)	●			
57	198.969	1312 298 911	Synchro Kit	1	(30)	●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			

Date

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Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (22) Only for 3rd/4th Speed - Latest type - Do not mix
 (30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

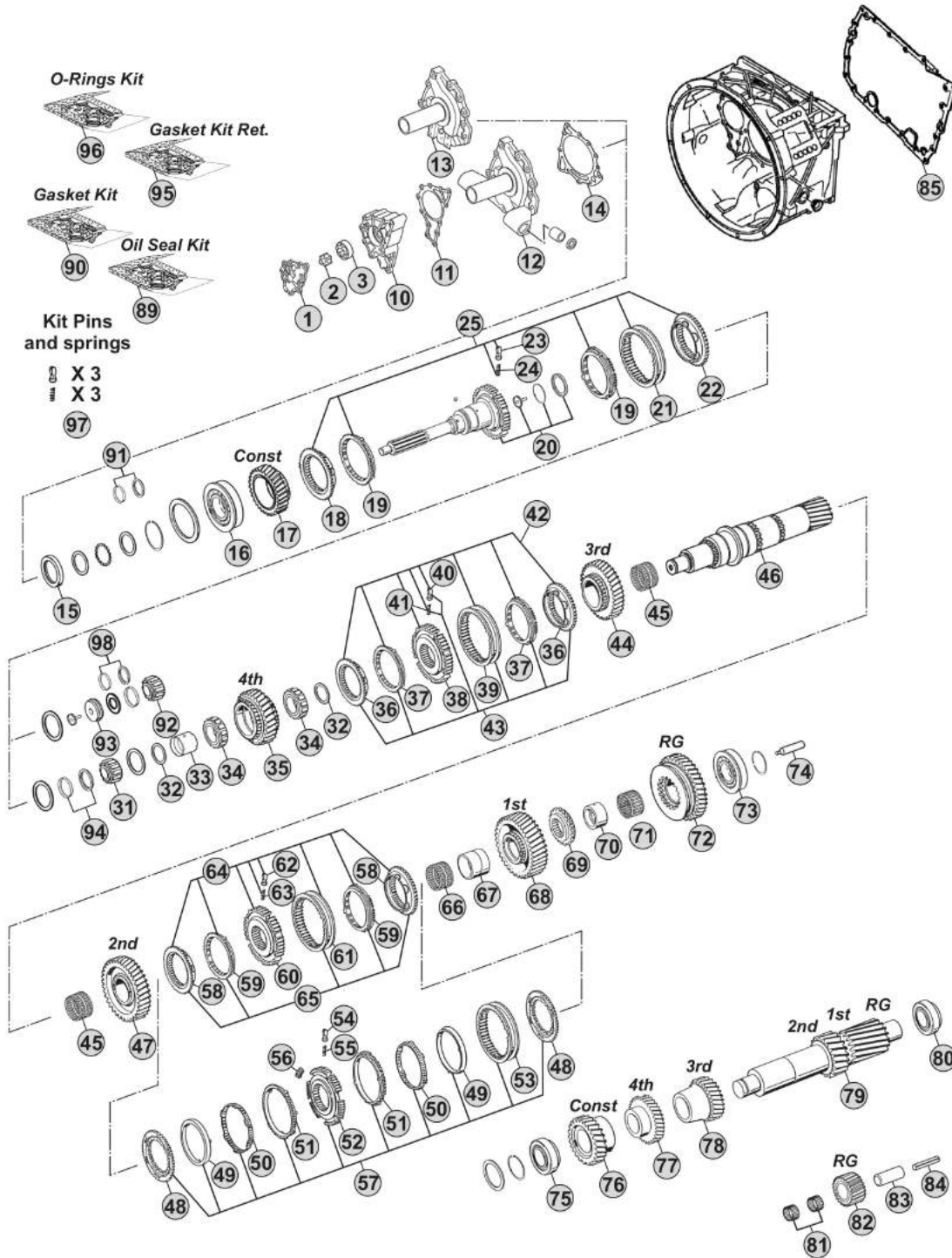
(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2321 (1344 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2321			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			
85	139.854	1315 301 233	Gasket	1		●			
89	198.838	1315 298 002	Oil Seal Kit	1		●			
90	198.797	1315 298 001	Gasket Kit	1	Paper	●			
90	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●			
91	298.879	1499 298 038	Shims Kit Th.4,20mm	1		●			
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●			
91	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●			
91	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●			
91	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●			
92	137.396	0735 455 298	Needle Cage 44x82x28	1	(13)	●			
93	137.395	0735 368 084	Needle Cage 30x81,5x34	1	(13)	●			
94	298.392	1499 298 027	Shims Kit Th=5,00mm	1	(12)	●			
94	298.393	1499 298 026	Shims Kit Th=4,90mm	1	(12)	●			
94	298.394	1499 298 025	Shims Kit Th=4,80mm	1	(12)	●			
94	298.395	1499 298 024	Shims Kit Th=4,70mm	1	(12)	●			
94	298.396	1499 298 023	Shims Kit Th=4,60mm	1	(12)	●			
95	298.860	6085 298 013	Gasket Kit intarder	1		●			
96	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●			
97	198.843		Spring Slide kit	1		●			
98	298.430	1499 298 181	Shims Kit Th.4,60mm	1	(13)	●			
98	298.431	1499 298 180	Shims Kit Th.4,50mm	1	(13)	●			
98	298.432	1499 298 179	Shims Kit Th.4,40mm	1	(13)	●			
98	298.433	1499 298 178	Shims Kit Th.4,30mm	1	(13)	●			

 NEW ECOSPLIT III
16S2321

Date

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Notes

(13) Only for 1316 304 118

(12) Only for 1316 304 132

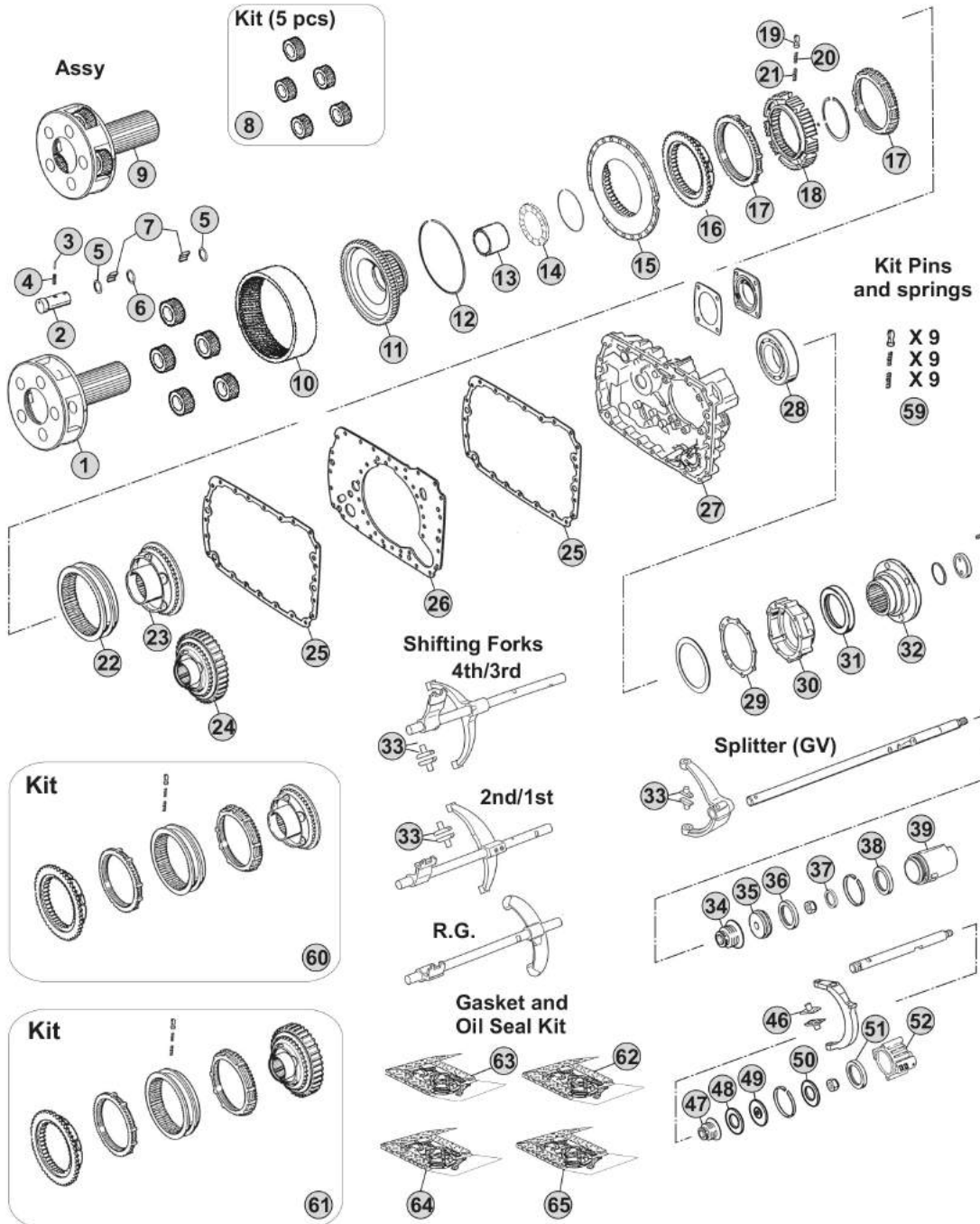
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2321 (1344 xxx xxx)

Planetary Carrier (GP)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2321				
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●				
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●				
2	107.204	1316 332 096	Planet Shaft	5	(70)	●				
2	107.256	1316 332 140	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	269.009	0730 109 323	Spacer Ring	10		●				
6	269.010	0730 109 309	Spacer Ring	5		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	298.024	1316 232 011	Planetary Gear Set	1		●				
9	298.861		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Crown Gear 82 T	1		●				
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
12	111.426	0730 513 583	Locking Wire	1		●				
13	119.256	1316 333 014	Intermediate Ring	1		●				
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
15	135.122	1296 333 046	Saddle Plate	1		●				
16	109.174	1296 333 050	Synchronizer Cone	1		●				
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
18	157.182	1313 333 001	Synchronizer Hub	1		●				
19	160.116	1240 304 278	Pressure Piece	9		●				
20	156.036	0732 040 386	Inner Spring De.3x34	9		●				
21	156.037	0732 040 385	Outer Spring De.6x34	9		●				
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
26	135.148	1315 301 118	Saddle plate	1		●				
27	175.242	1315 301 223	Housing	1	W/out Retarder	●				
27	175.422	6085 201 079	Housing	1	With Retarder	●				
28	130.245	0750 116 394	Bearing 90x160x30	1		●				
29	139.644	1315 331 001	Gasket	1		●				
30	175.421	1315 231 004	Cover	1		●				
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
32	197.254	1297 333 110	Output Flange D.180 mm	1		●				

Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

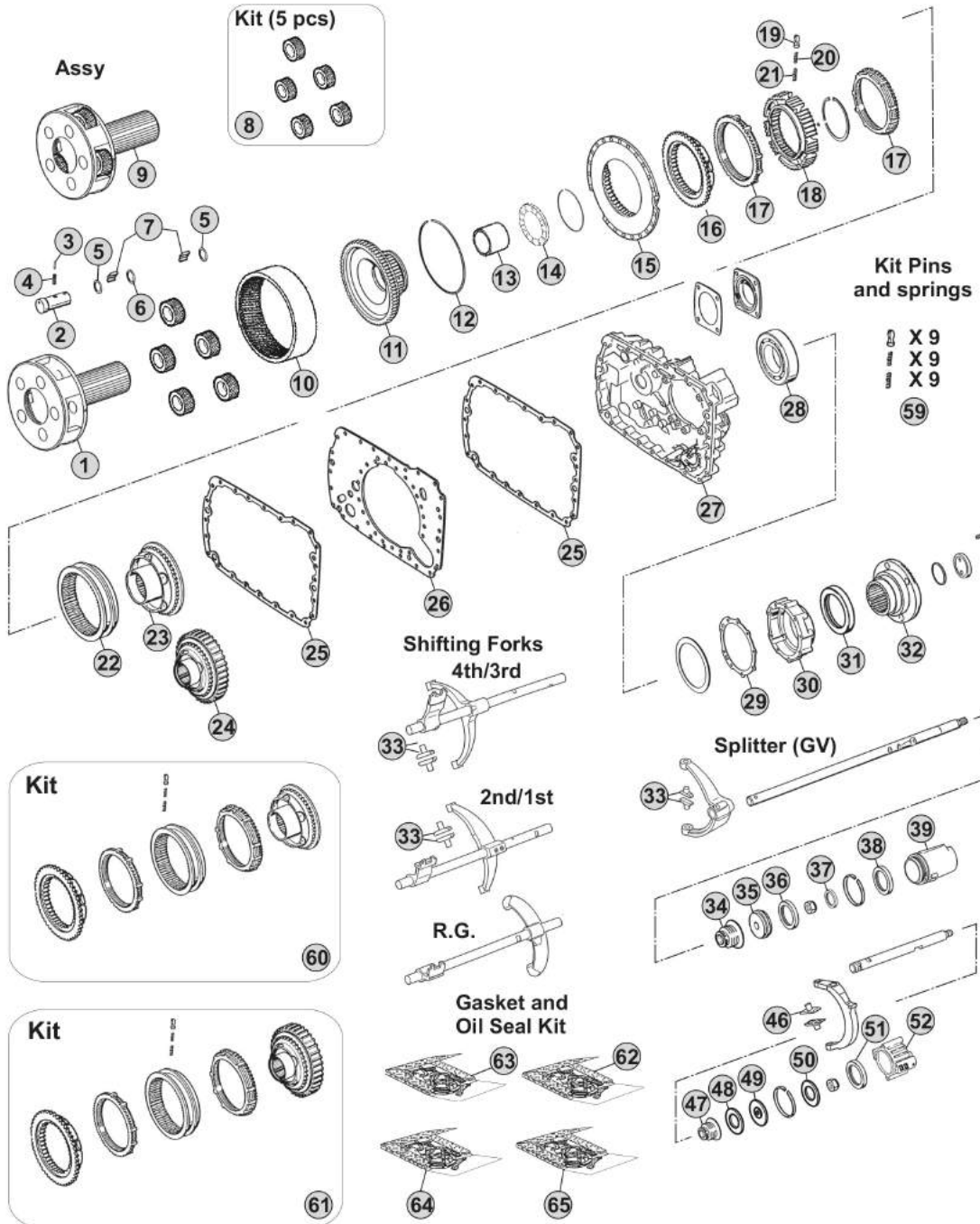
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2321 (1344 xxx xxx)

Planetary Carrier (GP)



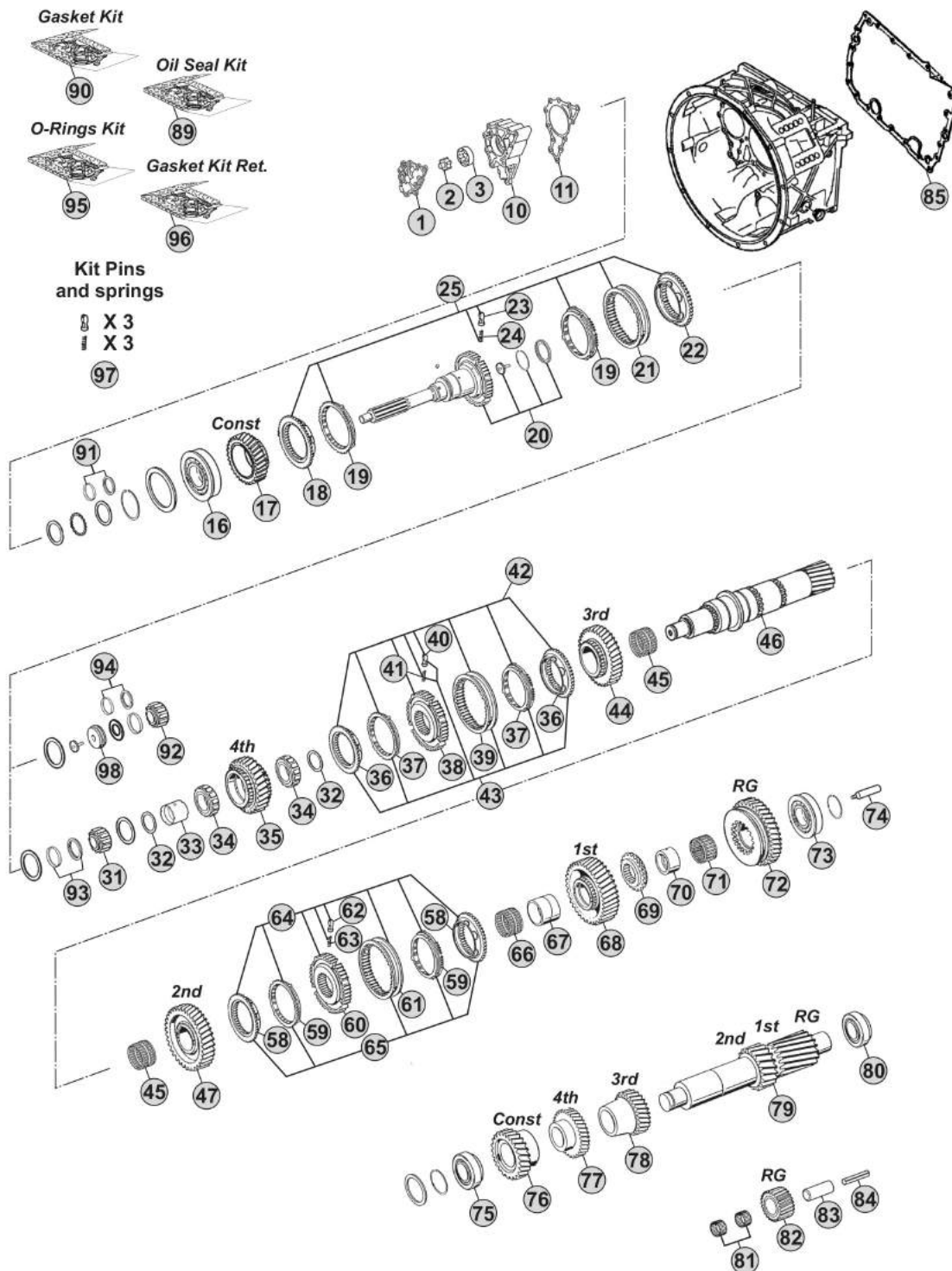
Notes

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2322 (1344 xxx xxx)



Notes

16S2322 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2322				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.483	1316 302 066	Constant Gear 30 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.565	1316 221 019	Input Shaft	1	(12) W/NMV	●				
20	190.566	1316 221 020	Input Shaft	1	(13) W/NMV	●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(12)	●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(12) Only for 1316 304 132

(13) Only for 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

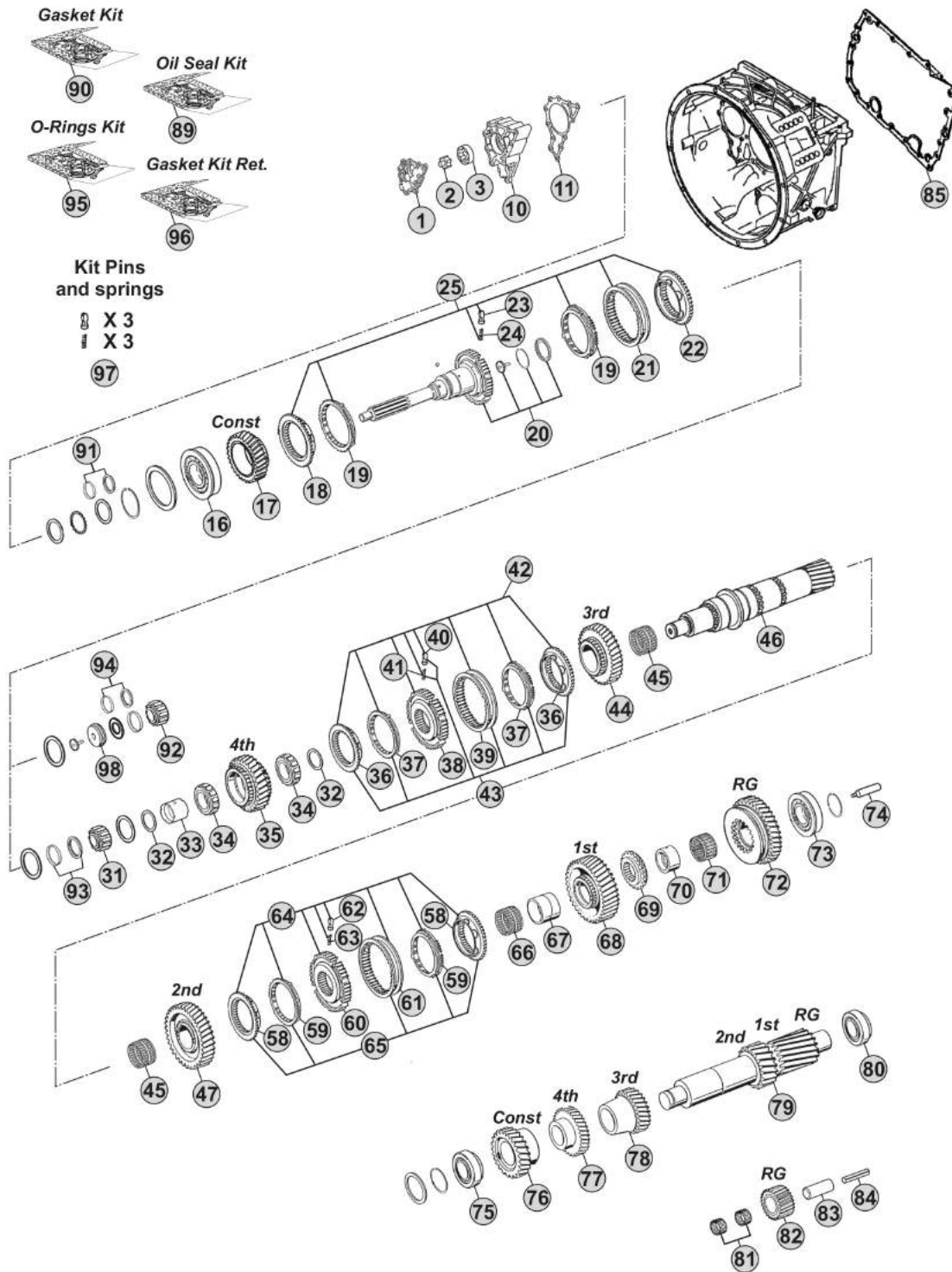
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2322 (1344 xxx xxx)



Notes

16S2322 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2322				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●				
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.486	1316 303 030	Costant Gear 39 T	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.127	1316 305 001	Reverse Gear 22 T	1		●				
83	190.301	1316 201 029	Reverse Shaft	1		●				
84	160.301	0631 329 296	Pin	1		●				
85	139.854	1315 301 233	Gasket	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

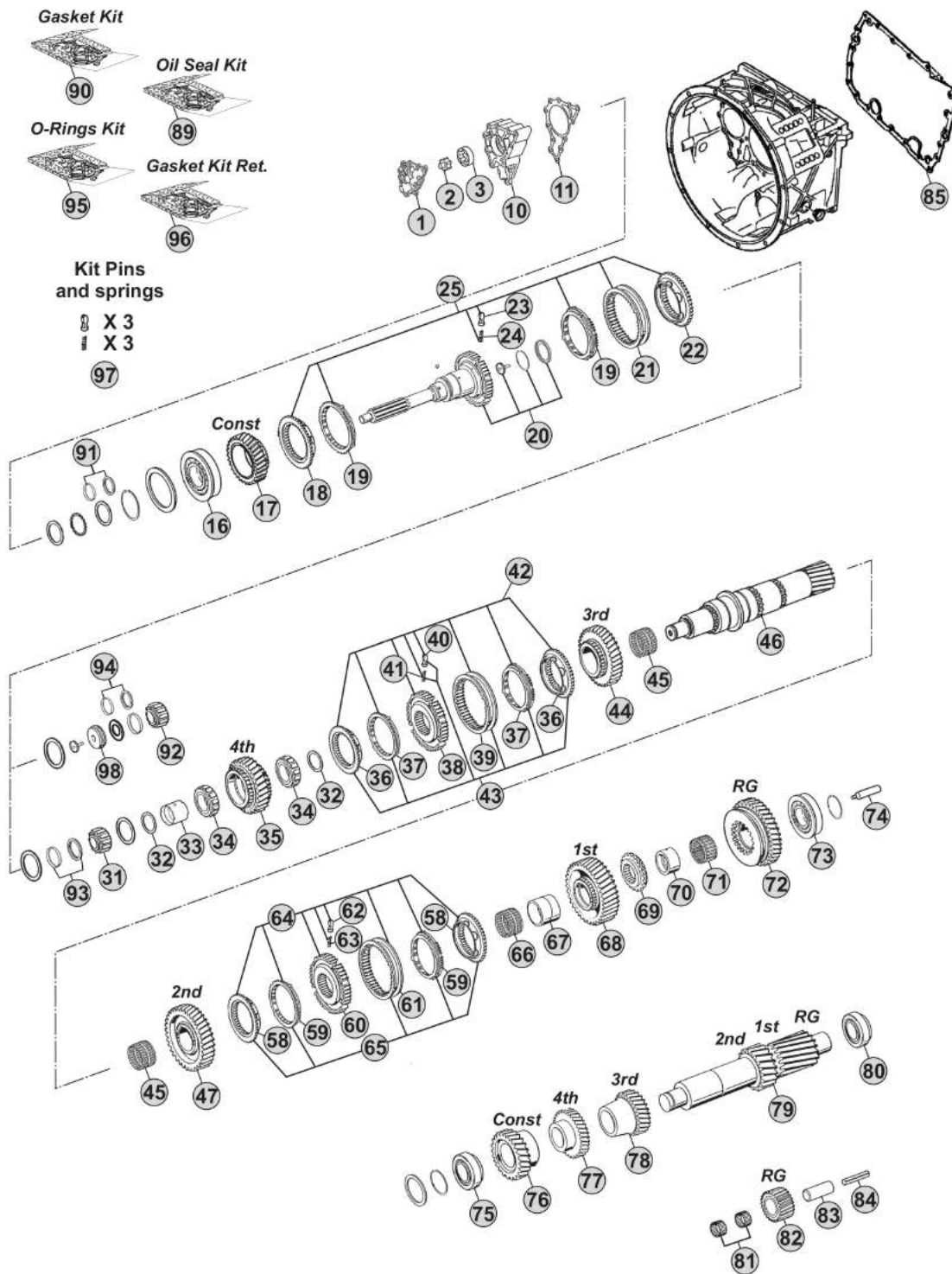
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2322 (1344 xxx xxx)



Notes

16S2322 R. 16,41-1,00

MODELS:

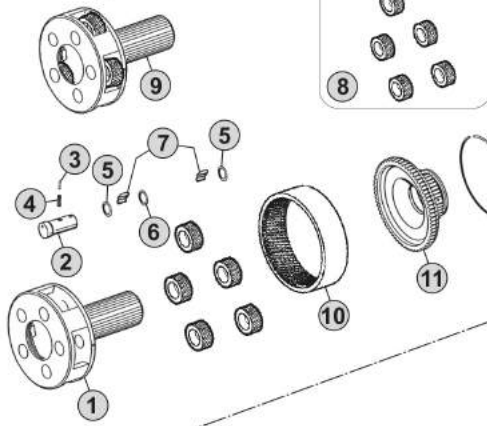
- NEW ECOSPLIT III

VERSIONS:

- 16S2322 (1344 xxx xxx)

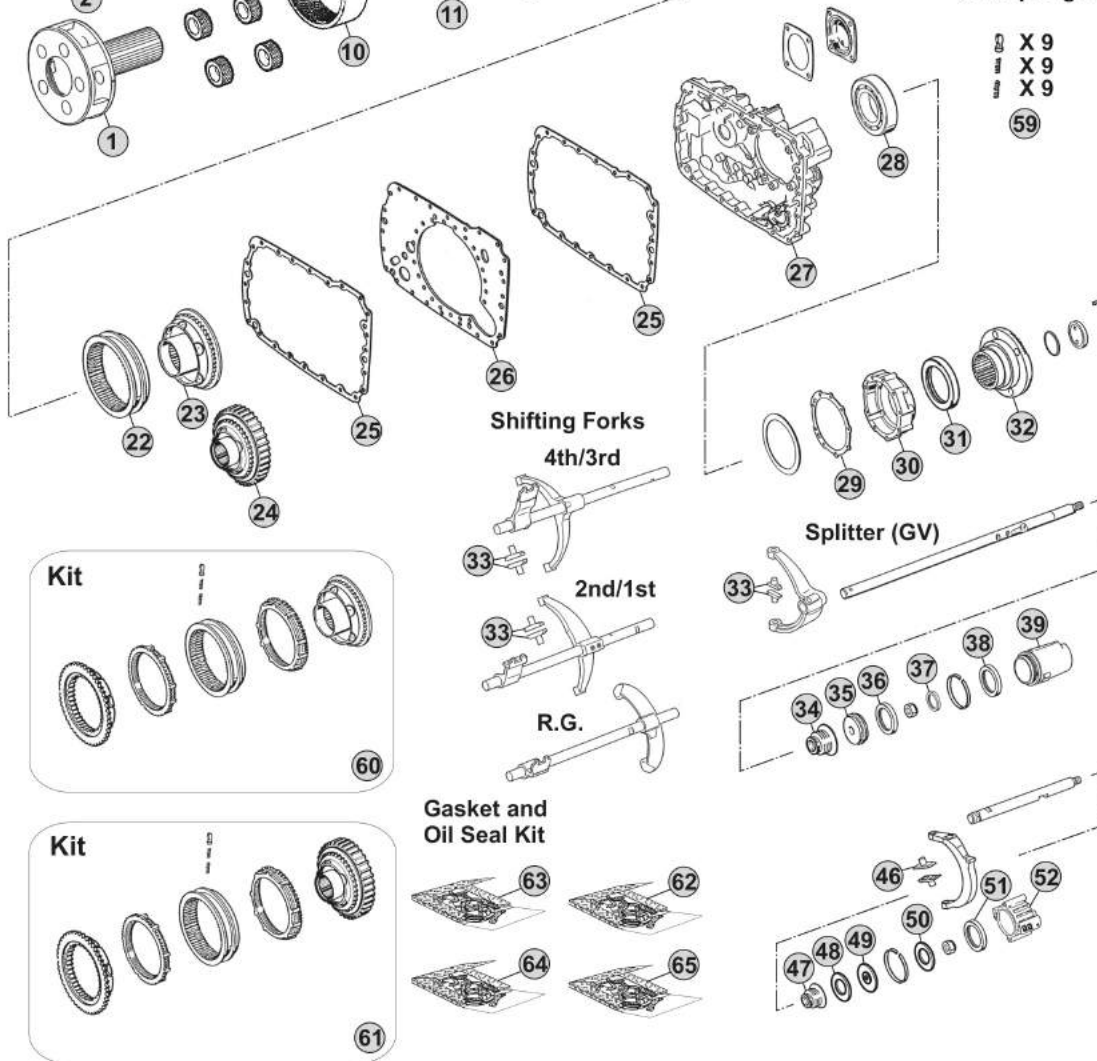
Planetary Carrier (GP)

Assy

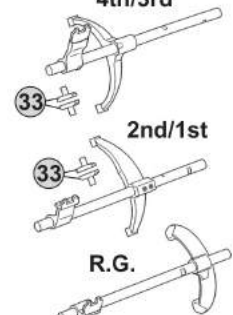


Kit Pins and springs

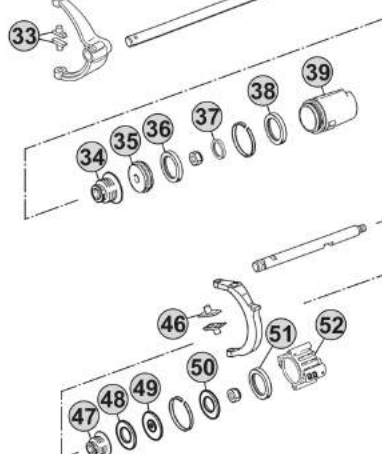
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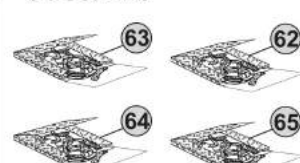
Shifting Forks



Splitter (GV)



Gasket and Oil Seal Kit



Notes

16S2322 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2322				
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●				
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●				
2	107.204	1316 332 096	Planet Shaft	5	(70)	●				
2	107.256	1316 332 140	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●				
5	269.009	0730 109 323	Spacer Ring	10		●				
6	269.010	0730 109 309	Spacer Ring	5		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	298.024	1316 232 011	Planetary Gear Set	1		●				
9	298.861		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Crown Gear 82 T	1		●				
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●				
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●				
12	111.426	0730 513 583	Locking Wire	1		●				
13	119.256	1316 333 014	Intermediate Ring	1		●				
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●				
15	135.122	1296 333 046	Saddle Plate	1		●				
16	109.174	1296 333 050	Synchronizer Cone	1		●				
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
18	157.182	1313 333 001	Synchronizer Hub	1		●				
19	160.116	1240 304 278	Pressure Piece	9		●				
20	156.036	0732 040 386	Inner Spring De.3x34	9		●				
21	156.037	0732 040 385	Outer Spring De.6x34	9		●				
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●				
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●				
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●				
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●				
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●				
26	135.148	1315 301 118	Saddle plate	1		●				
27	175.242	1315 301 223	Housing	1	W/out Retarder	●				
27	175.422	6085 201 079	Housing	1	With Retarder	●				
28	130.245	0750 116 394	Bearing 90x160x30	1		●				
29	139.644	1315 331 001	Gasket	1		●				
30	175.421	1315 231 004	Cover	1		●				
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
32	197.254	1297 333 110	Output Flange D.180 mm	1		●				

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

MODELS:

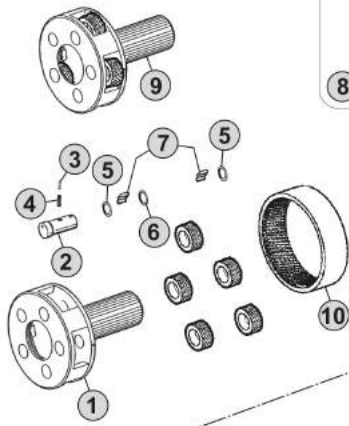
- NEW ECOSPLIT III

VERSIONS:

- 16S2322 (1344 xxx xxx)

Planetary Carrier (GP)

Assy

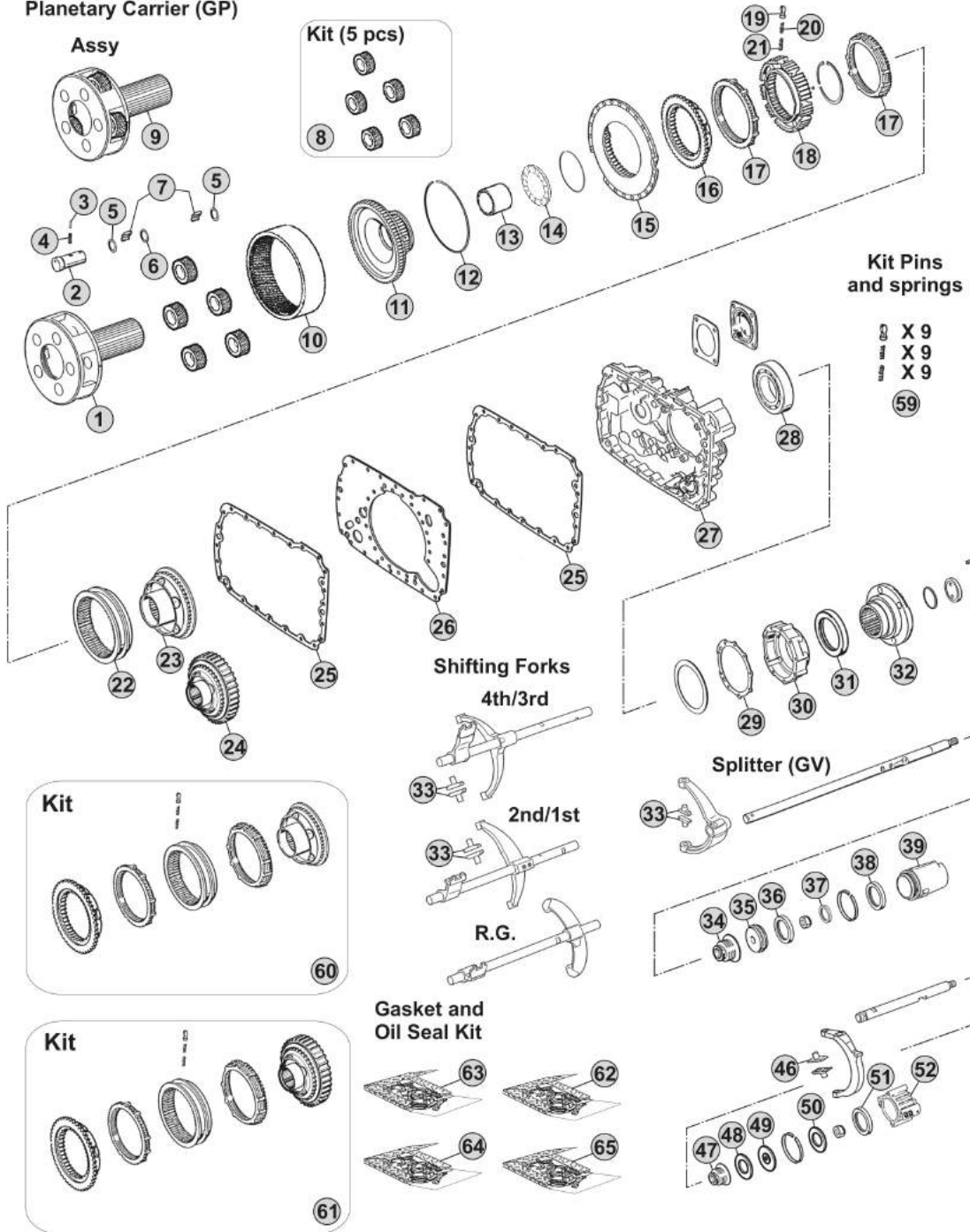


Kit (5 pcs)

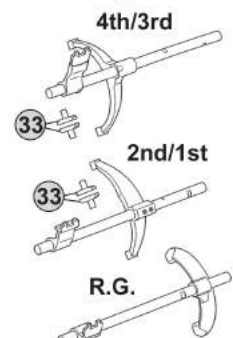


Kit Pins and springs

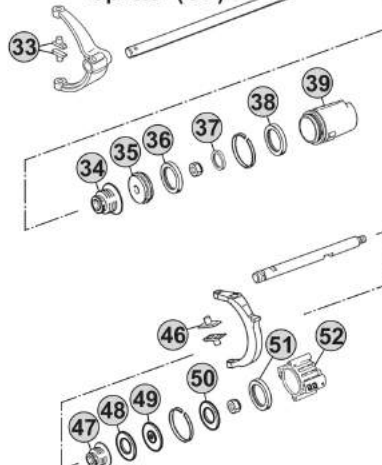
- X 9
- X 9
- X 9
- 59



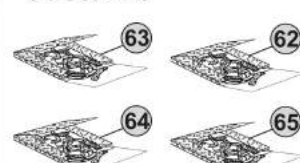
Shifting Forks



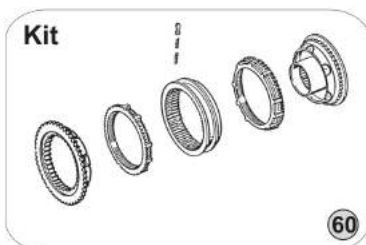
Splitter (GV)



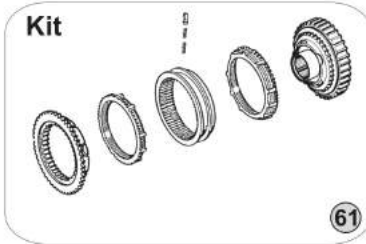
Gasket and Oil Seal Kit



Kit



Kit



Notes

16S2322 R. 16,41-1,00

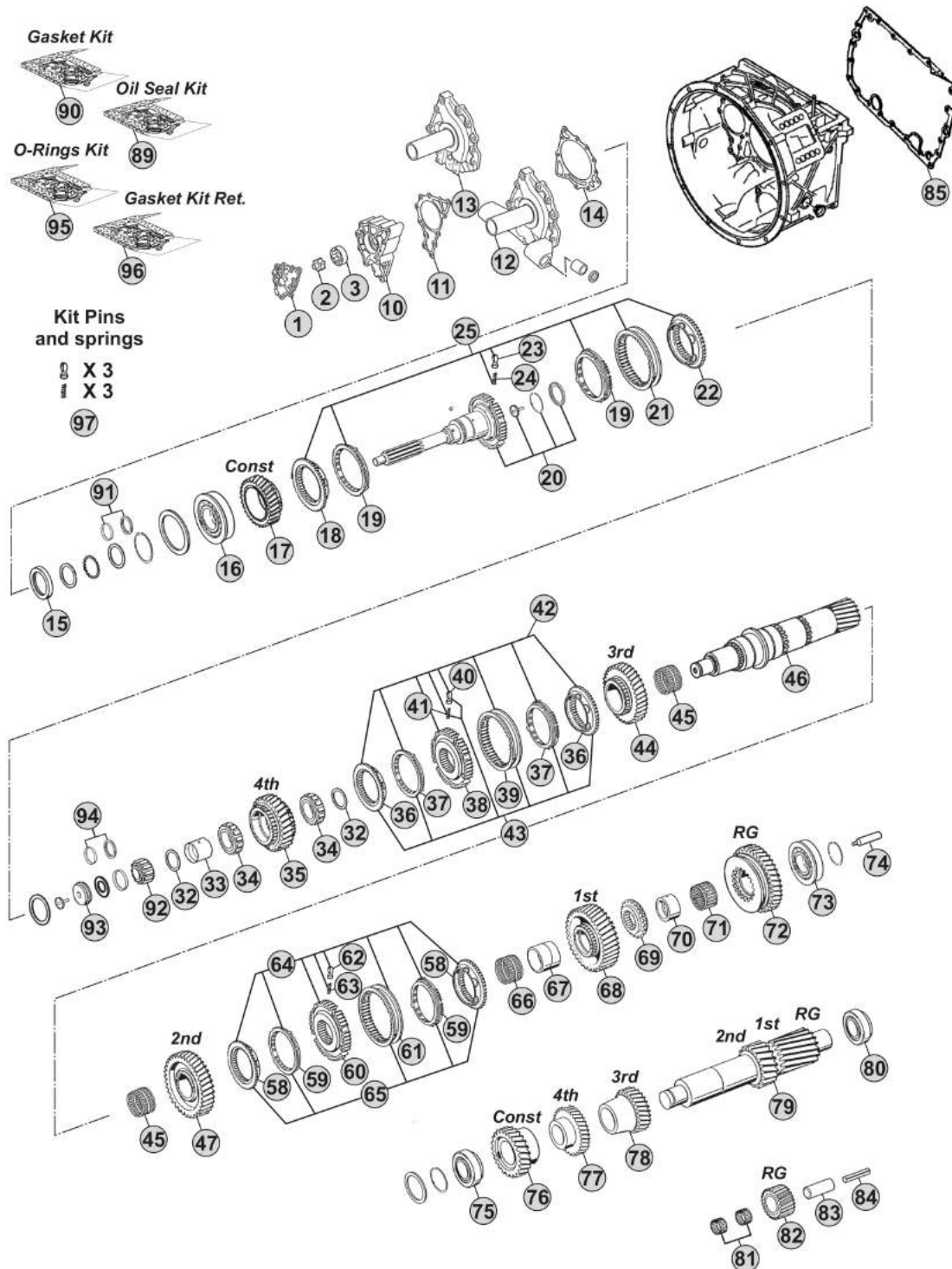
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2323 (1344 xxx xxx)



Notes

16S2323 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2323			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	102.666	1316 202 040	Input Shaft	1		●			
20	102.569	1316 202 044	Input Shaft	1		●			
20	102.570	1316 202 046	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

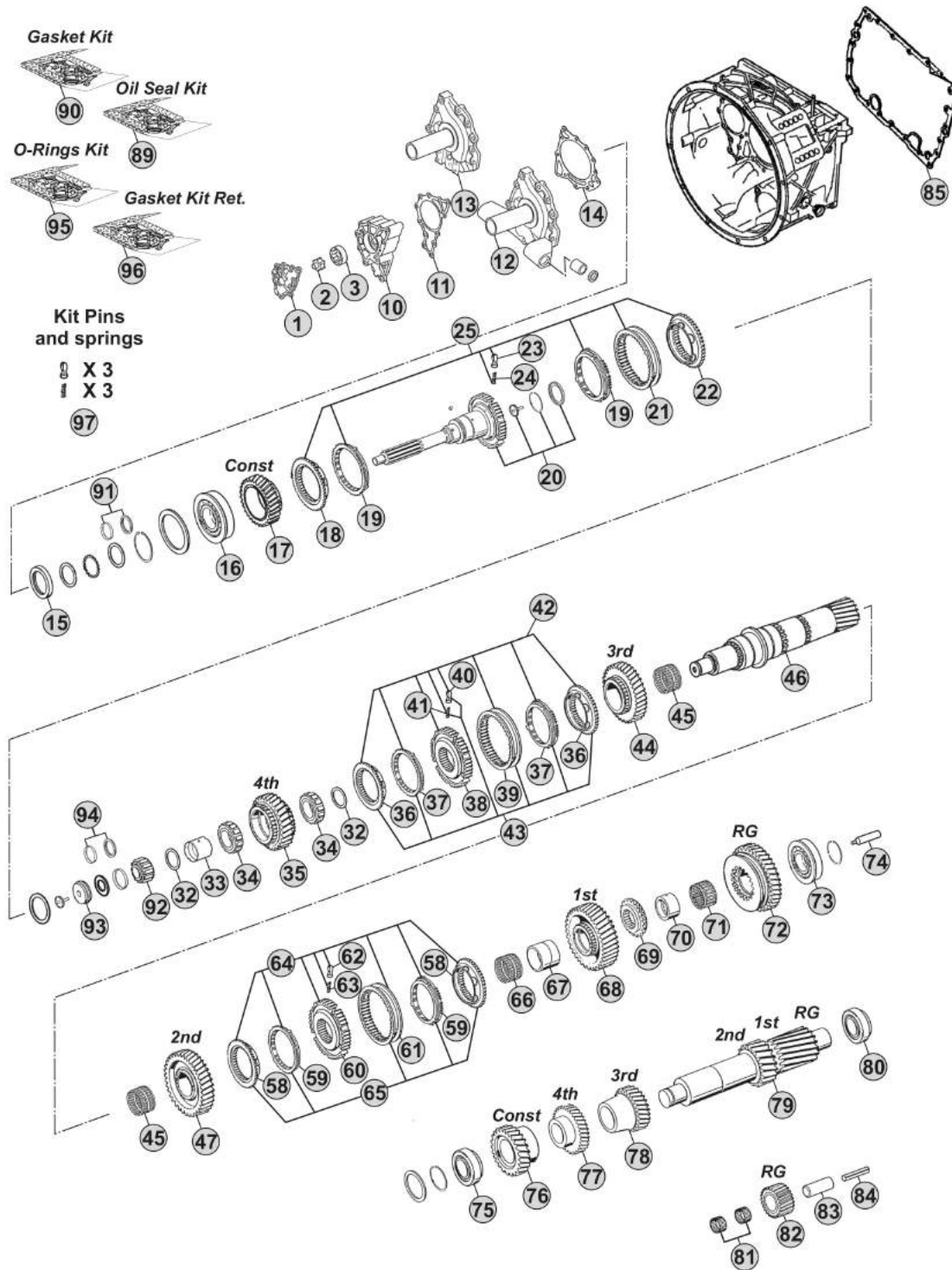
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2323 (1344 xxx xxx)



Notes

16S2323 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2323			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.290	1316 304 118	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			

Date

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Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

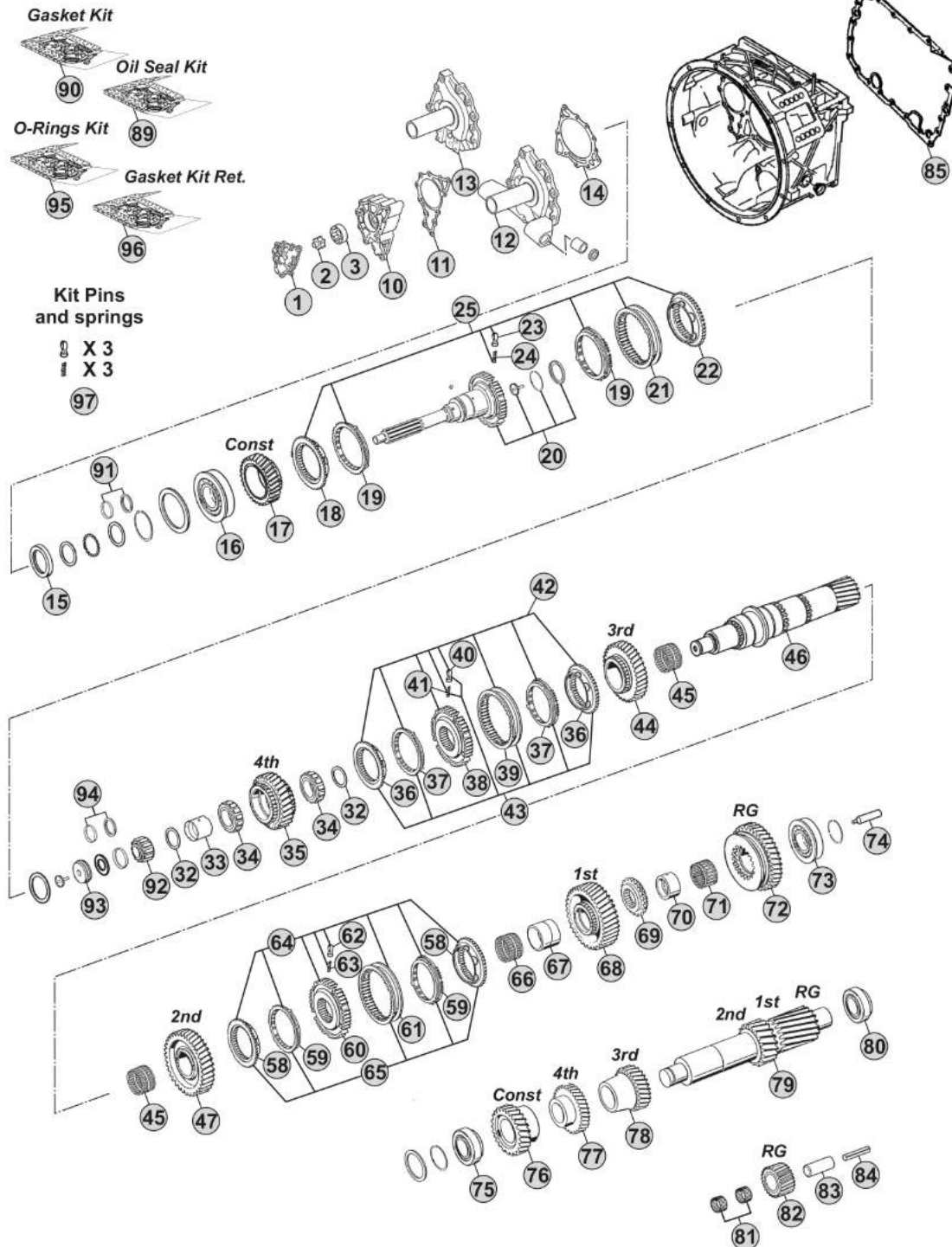
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2323 (1344 xxx xxx)



Notes

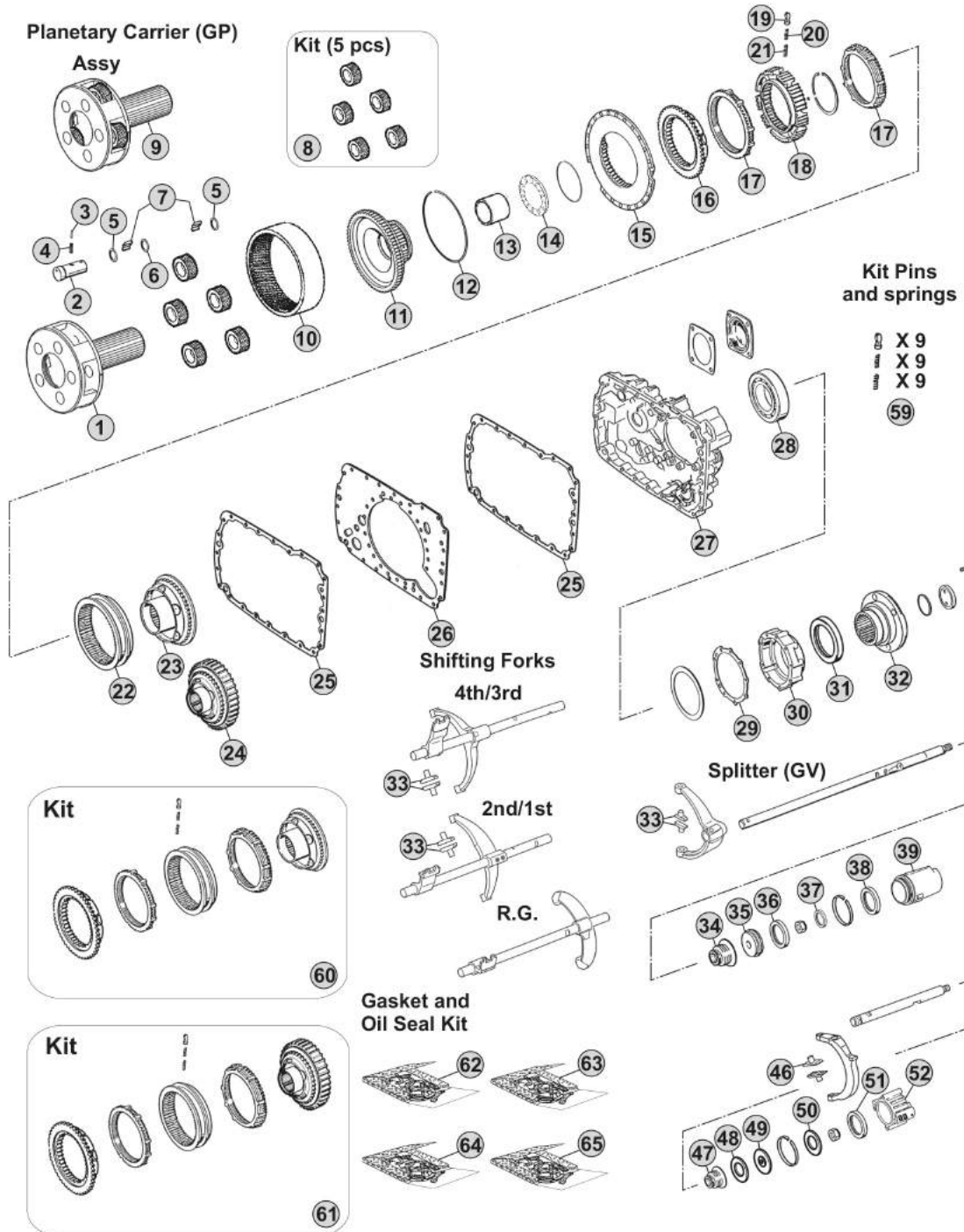
16S2323 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2323 (1344 xxx xxx)



Notes

16S2323 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2323			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

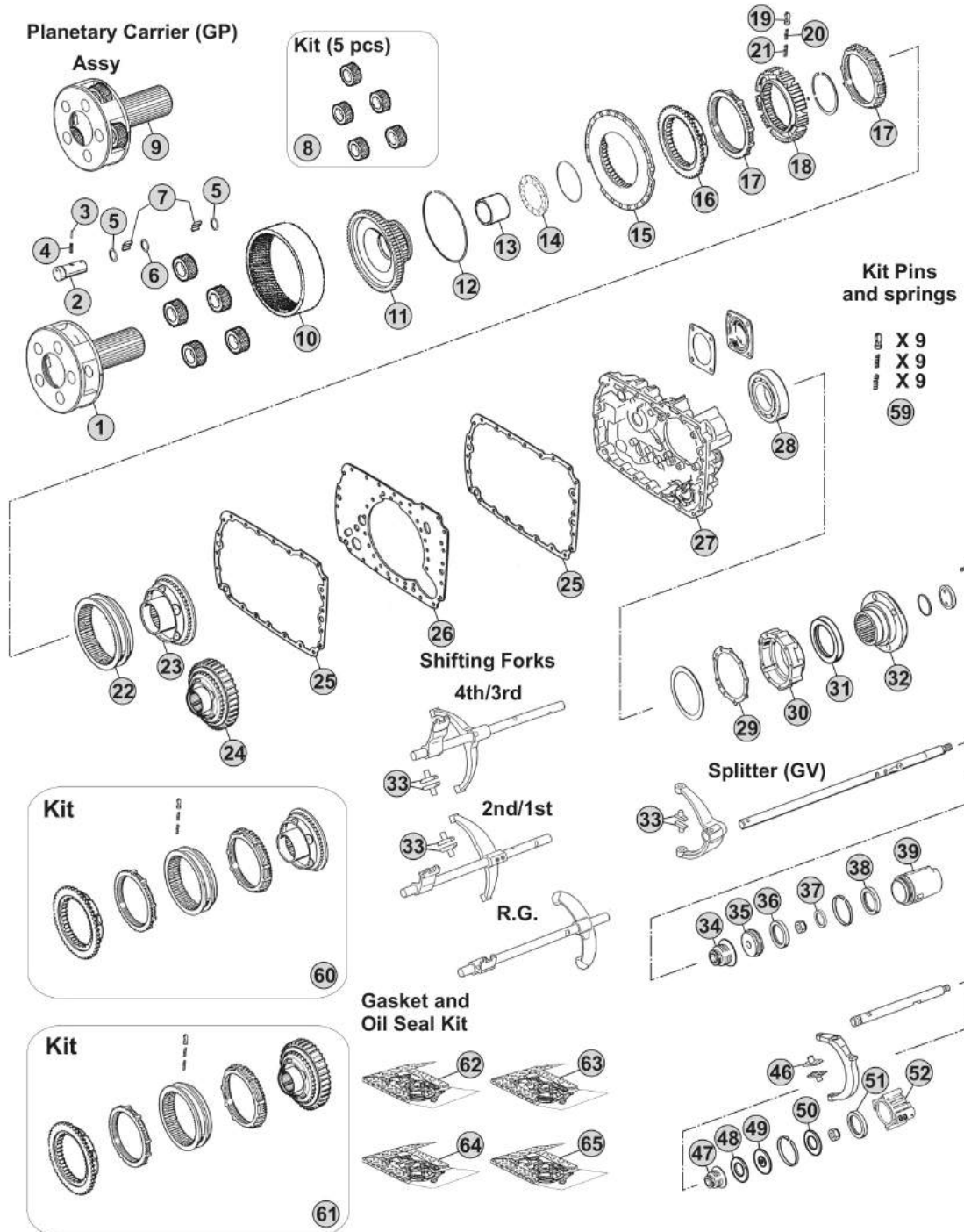
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2323 (1344 xxx xxx)



Notes

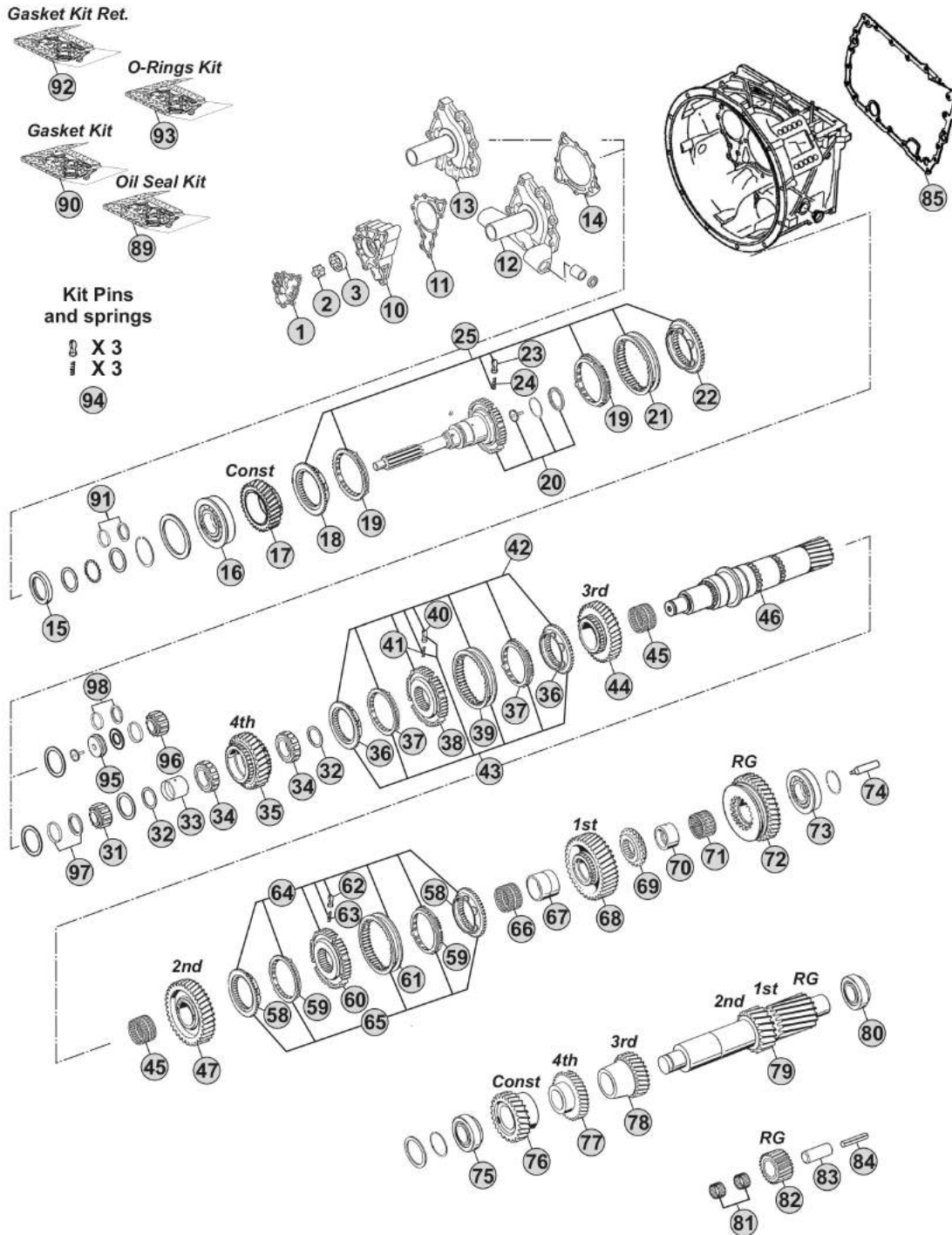
16S2323 R. 16,41-1,00

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2325 (1344 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2325			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.483	1316 302 066	Constant Gear 30 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.300	1316 202 026	Input Shaft	1	(10)	●			
20	102.569	1316 202 044	Input Shaft	1	(11)	●			
20	102.570	1316 202 046	Input Shaft	1	(11)	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(10)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(10) For Mainshaft 1316 304 132

(11) For Mainshaft 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

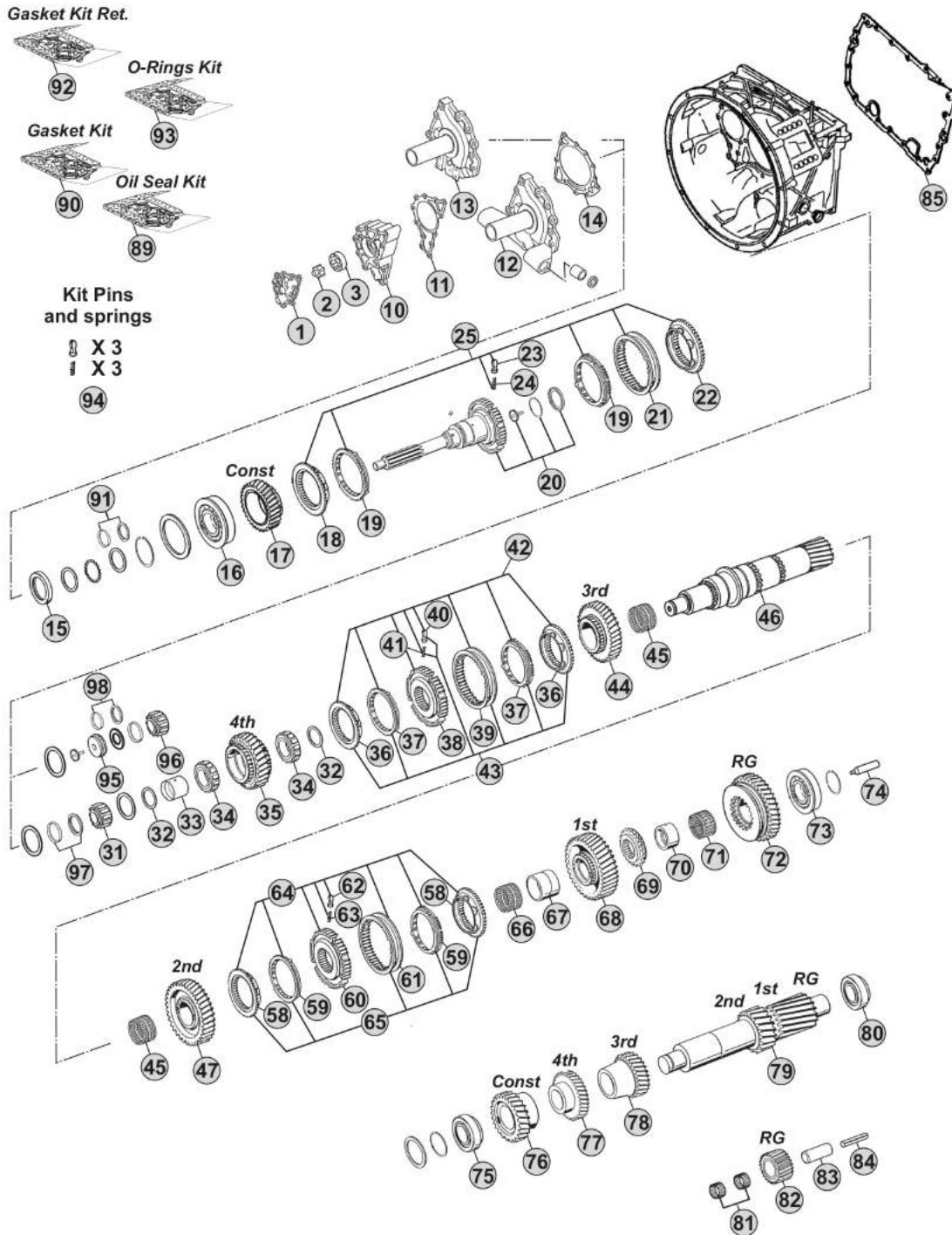
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2325 (1344 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2325			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●			
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.486	1316 303 030	Costant Gear 39 T	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			

NEW ECOSPLIT III
16S2325

Date

02/2015

Notes

- (22) Only for 3rd/4th Speed - Latest type - Do not mix
- (23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version
- (21) Only for 3rd/4th Speed - Second version - Do not mix
- (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
- (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

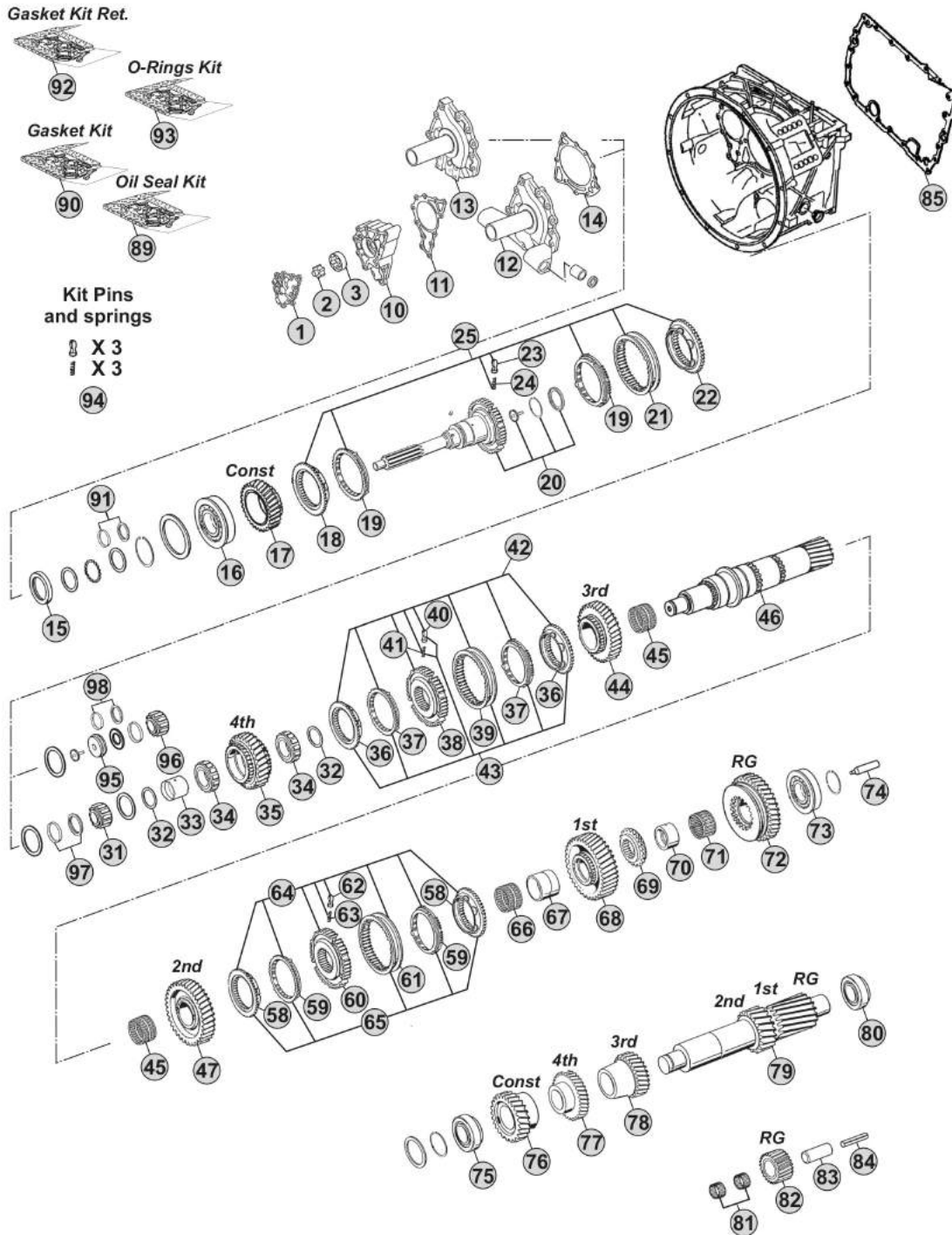


MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2325 (1344 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2325			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			
85	139.854	1315 301 233	Gasket	1		●			
89	198.838	1315 298 002	Oil Seal Kit	1		●			
90	198.797	1315 298 001	Gasket Kit	1	Paper	●			
90	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●			
91	298.879	1499 298 038	Shims Kit Th.4,20mm	1		●			
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●			
91	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●			
91	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●			
91	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●			
92	298.860	6085 298 013	Gasket Kit intarder	1		●			
93	198.839	1315 298 003	Oil Seal Kit+O-Rings	1		●			
94	198.843		Spring Slide kit	1		●			
95	137.395	0735 368 084	Needle Cage 30x81,5x34	1	(11)	●			
96	137.396	0735 455 298	Needle Cage 44x82x28	1	(11)	●			
97	298.392	1499 298 027	Shims Kit Th=5,00mm	1	(10)	●			
97	298.393	1499 298 026	Shims Kit Th=4,90mm	1	(10)	●			
97	298.394	1499 298 025	Shims Kit Th=4,80mm	1	(10)	●			
97	298.395	1499 298 024	Shims Kit Th=4,70mm	1	(10)	●			
97	298.396	1499 298 023	Shims Kit Th=4,60mm	1	(10)	●			
98	298.430	1499 298 181	Shims Kit Th.4,60mm	1	(11)	●			
98	298.431	1499 298 180	Shims Kit Th.4,50mm	1	(11)	●			
98	298.432	1499 298 179	Shims Kit Th.4,40mm	1	(11)	●			
98	298.433	1499 298 178	Shims Kit Th.4,30mm	1	(11)	●			

NEW ECOSPLIT III
16S2325

Date 02/2015 **Notes** (11) For Mainshaft 1316 304 118 (10) For Mainshaft 1316 304 132



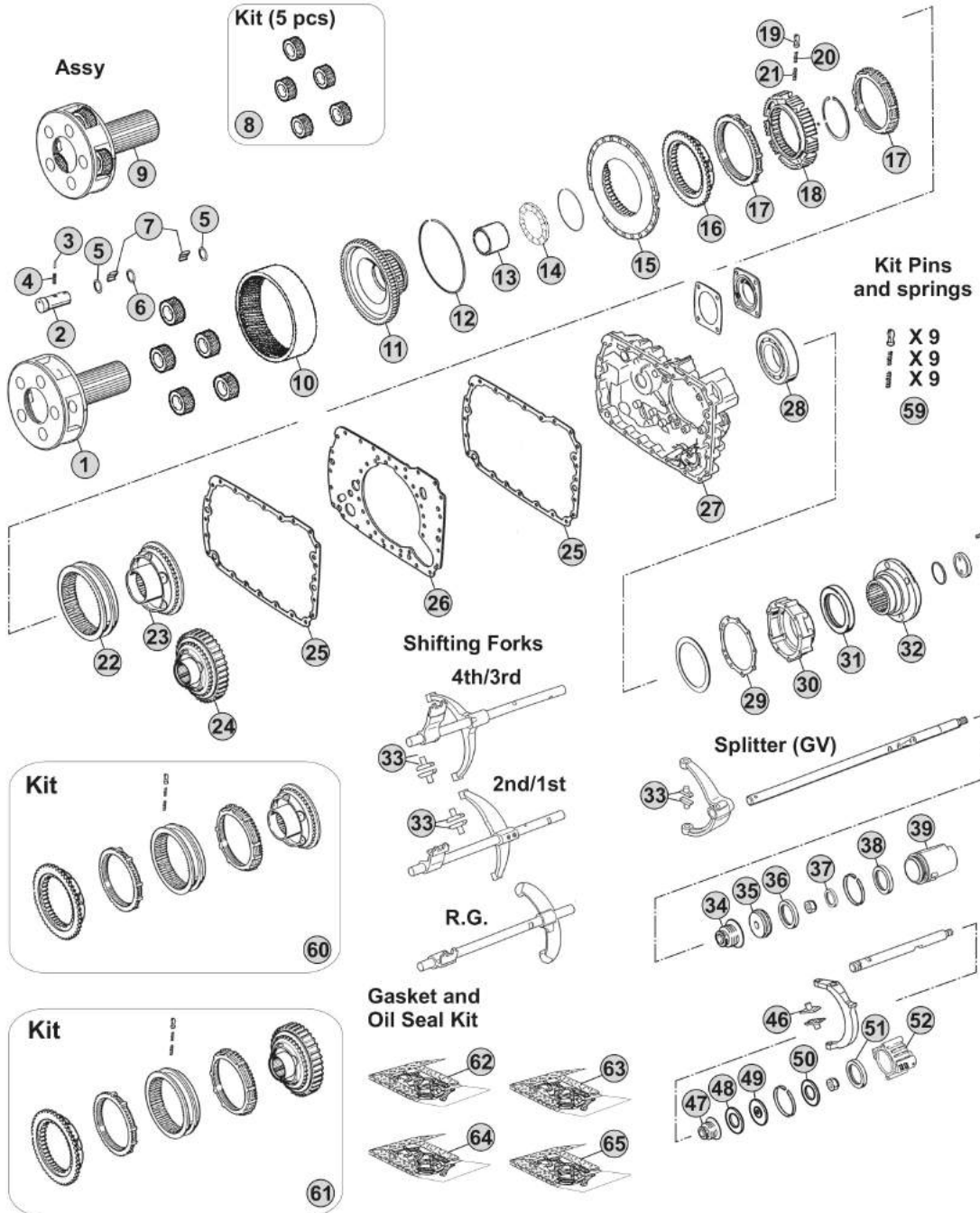
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2325 (1344 xxx xxx)

Planetary Carrier (GP)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2325			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

(61) Only for new version

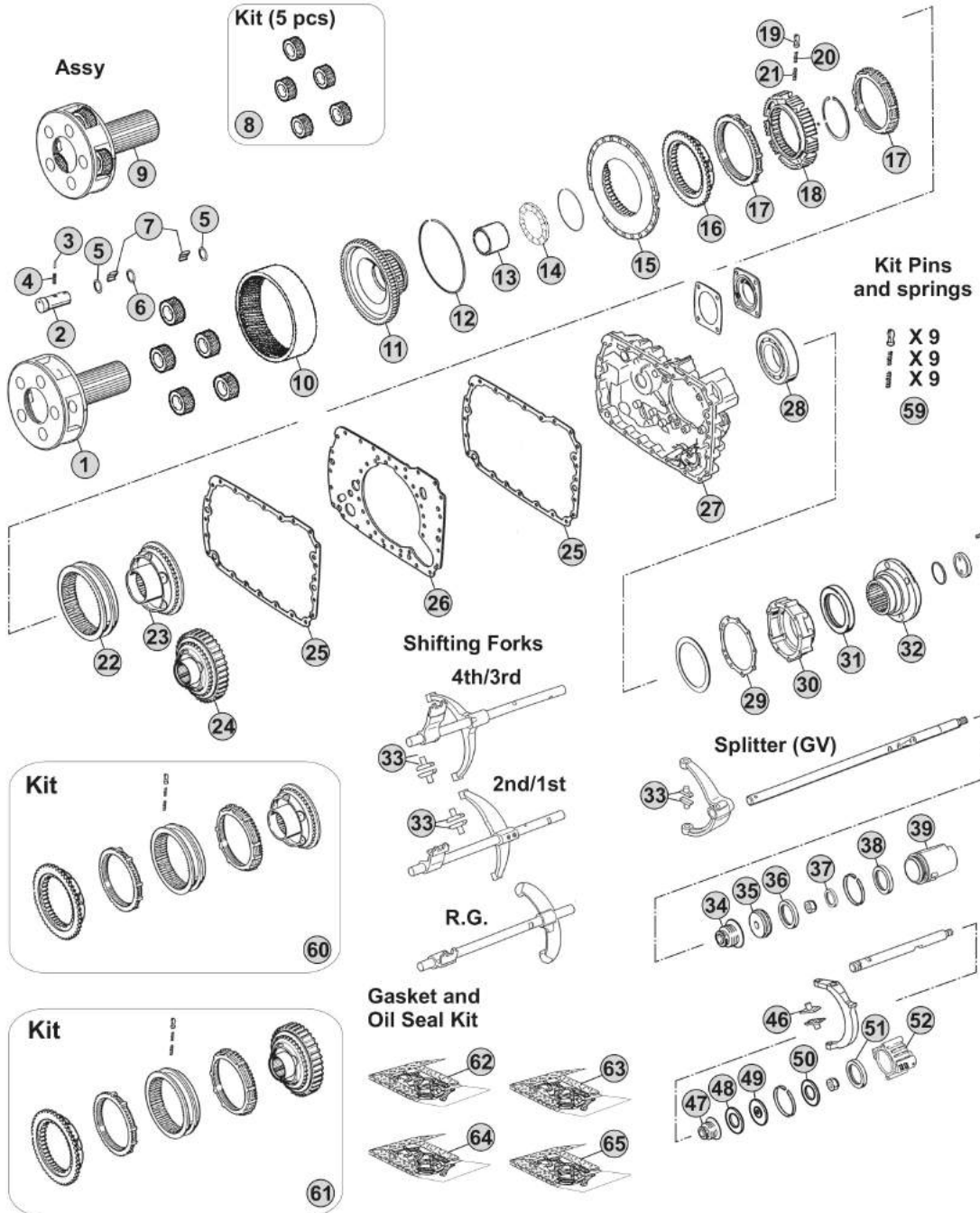
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2325 (1344 xxx xxx)

Planetary Carrier (GP)



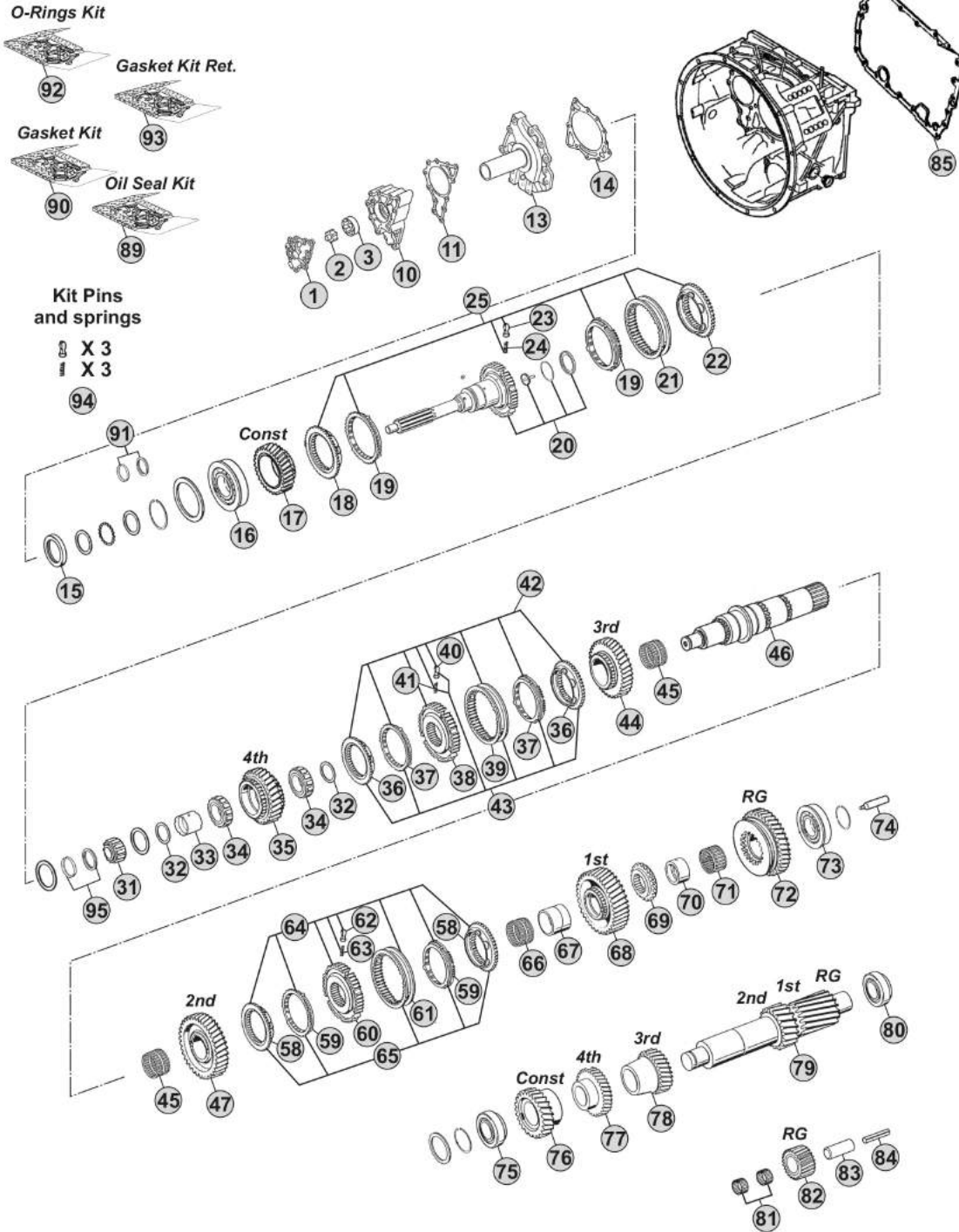
Notes

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2520 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2520			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			

 NEW ECOSPLIT III
16S2520
Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

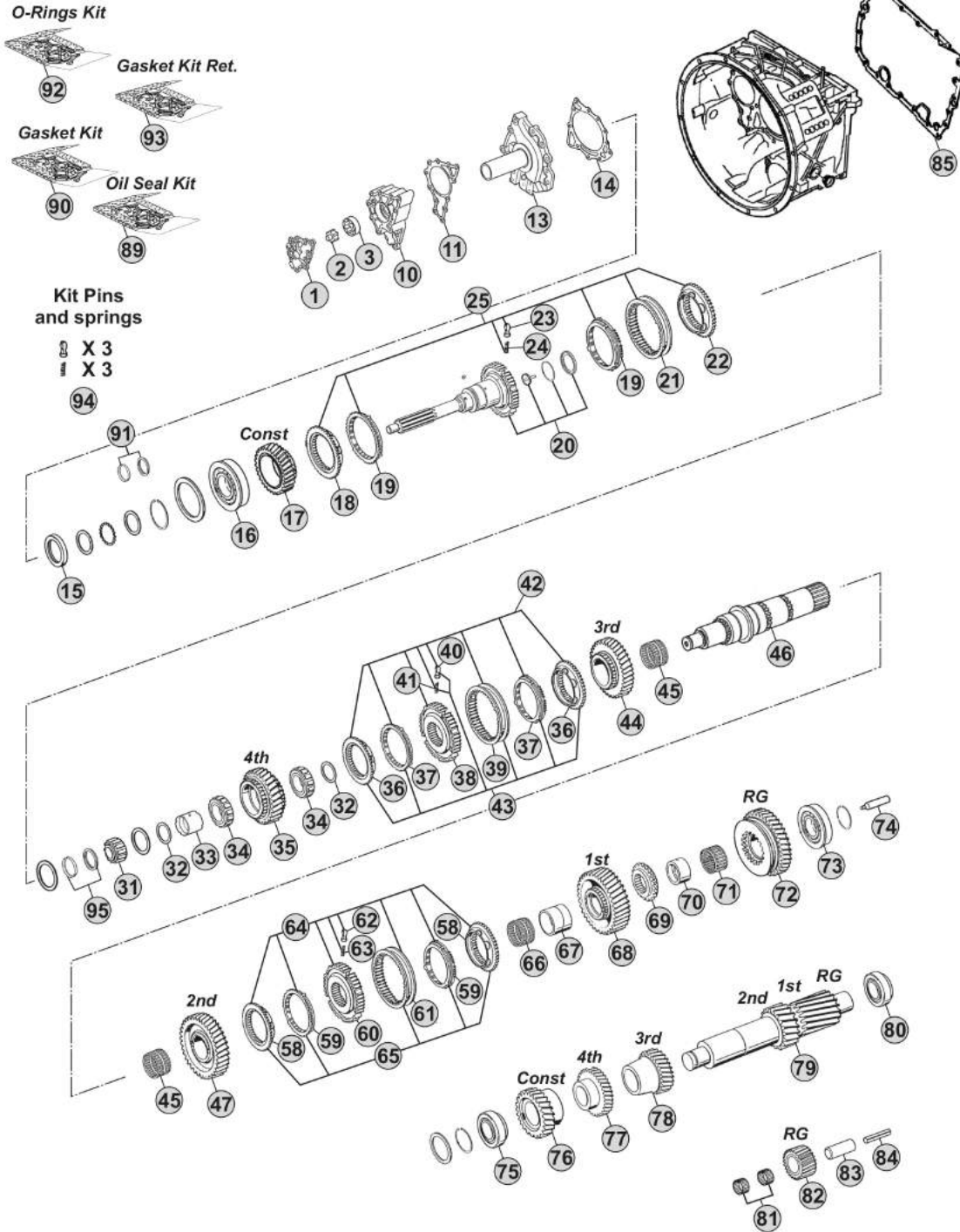
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2520 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2520			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.128	1316 304 130	Main Shaft 24 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2520
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

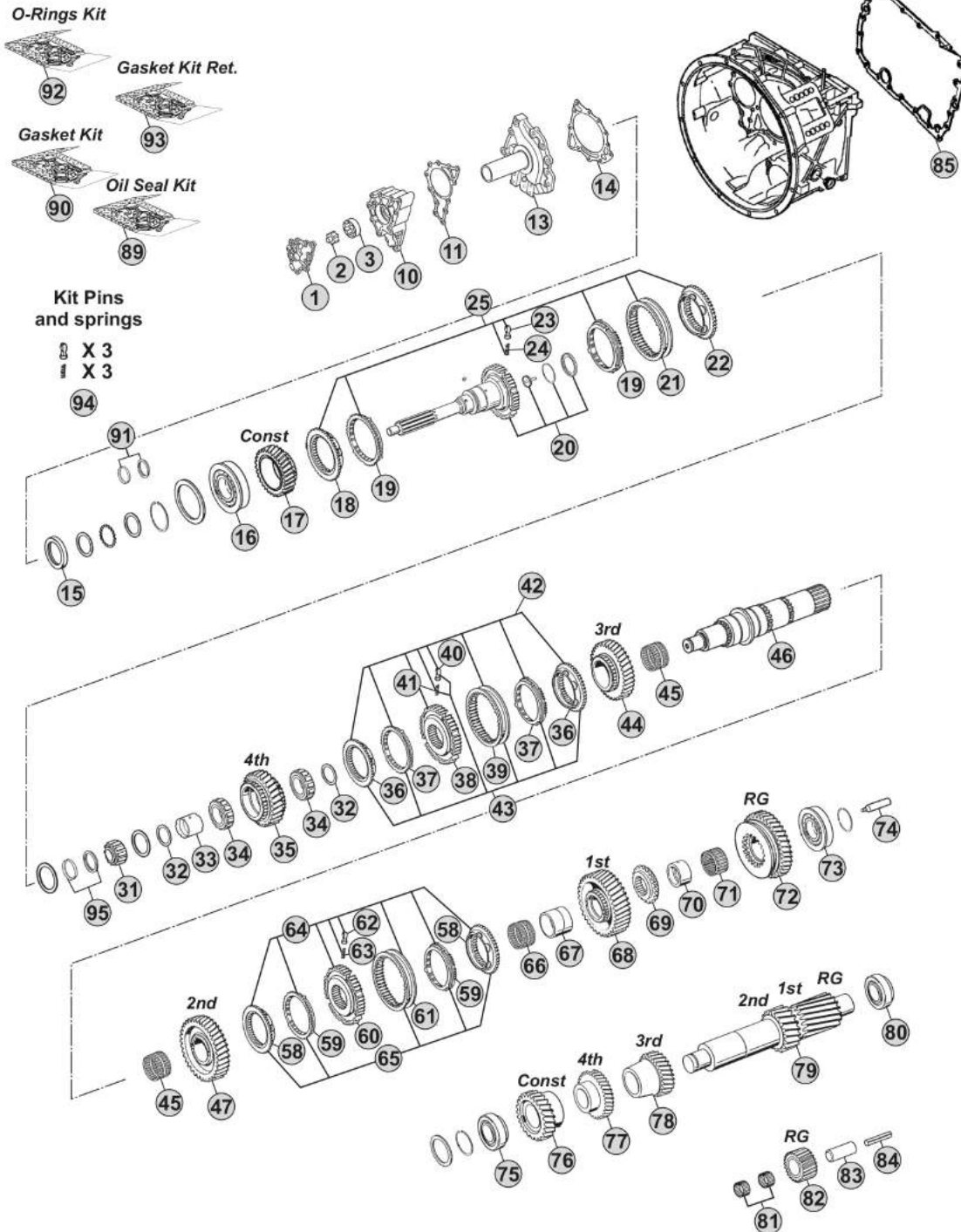
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2520 R. 13,86-0,84

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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Straight Teeth)

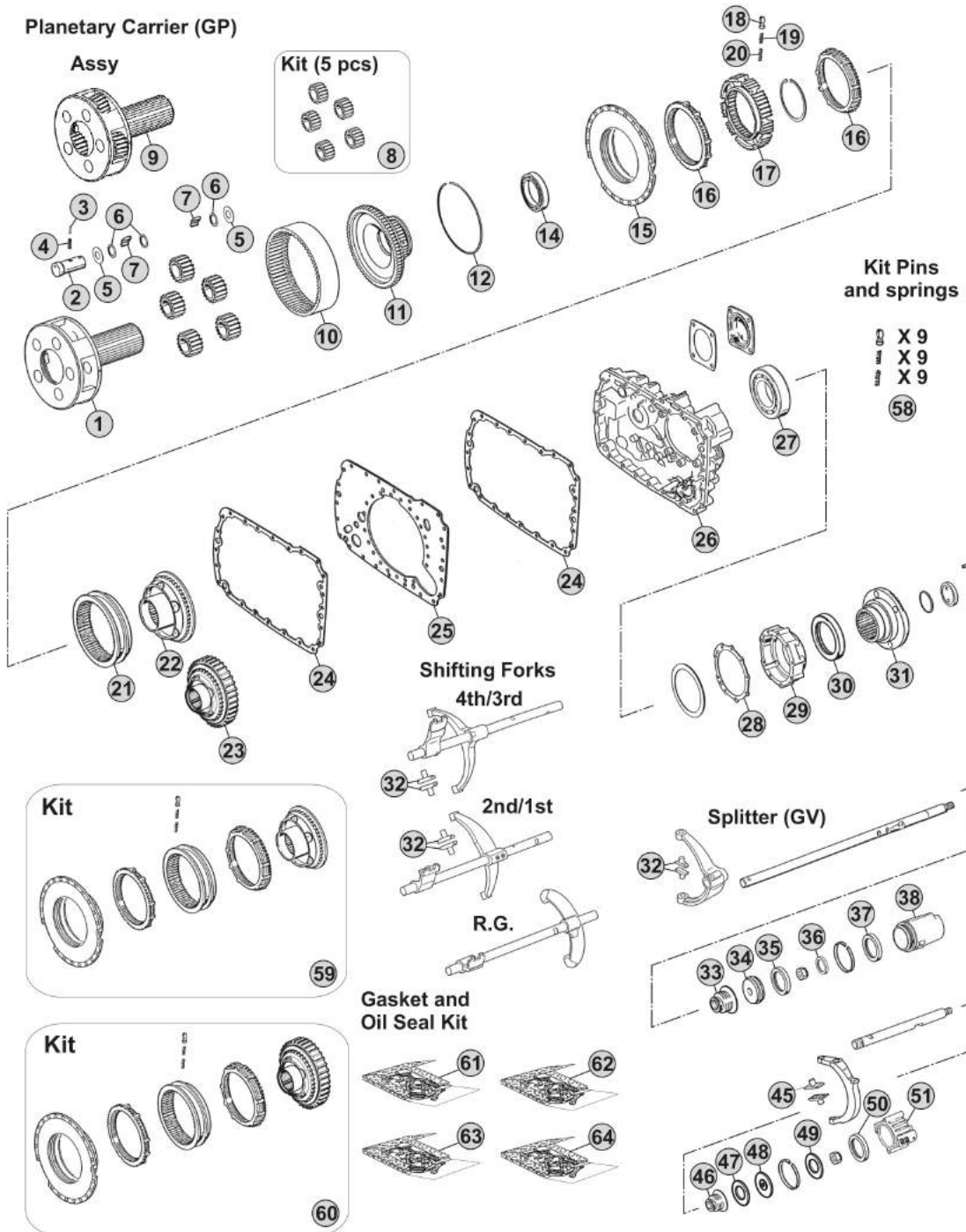
Planetary Carrier (GP)

Assy

Kit (5 pcs)

Kit Pins and springs

- X 9
- X 9
- X 9
- 58



Notes

16S2520 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2520			
1	190.392	1316 232 006	Planetary Carrier	1		●			
2	107.165	1312 332 026	Planetary Pin	5		●			
3	160.195	0631 329 167	Lock Pin 3x26	5		●			
4	160.194	0631 329 051	Lock Pin 5x26	5		●			
5	169.759	0501 308 981	Thrust Washer	10		●			
6	169.744	0730 107 168	Spacer Ring	15		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	198.801	1312 232 014	Planetary Gear Set (5 pcs)	1		●			
9	298.887		Planetary Carrier	1		●			
10	123.208	1295 332 086	Crown Gear 86 T	1		●			
11	150.134	1297 332 120	Carrier Hub 86 T	1	(60)	●			
11	150.243	1316 332 129	Carrier hub 86 T	1	(61)	●			
12	111.198	0730 505 056	Locking Wire	1		●			
14	130.311	0635 338 035	Bearing 100x125x13	1		●			
15	298.017	1315 233 006	Synchronizer cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.183	1297 333 115	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	198.790	1297 233 056	Synchronizer Cone (41 spl.)	1	(60)	●			
22	109.206	1316 233 030	Synchronizer Cone (41 Spl.)	1	(61)	●			
23	196.352	1316 233 010	Synchronizer Cone 59 T(41 Spl.)	1	(60)	●			
23	109.207	1316 233 027	Synchronizer Cone 59 T(41 Spl.)	1	(61)	●			
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1	W/out Retarder	●			
29	175.421	1315 231 004	Cover	1	W/out Retarder	●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
32	141.163	1297 306 120	Sliding pad	6	Old Type	●			
32	141.168	1316 306 015	Sliding pad	6	New Type	●			
33	139.655	0750 112 253	Cap Collar D.25x40x15	1		●			
34	189.718	1315 312 020	Piston	1		●			
35	139.656	0750 112 177	Ring	1		●			
36	139.657	0634 313 320	O-ring	1		●			

 NEW ECOSPLIT III
16S2520
Date

02/2015

Notes

(60) Only for old version

(61) Only for new version

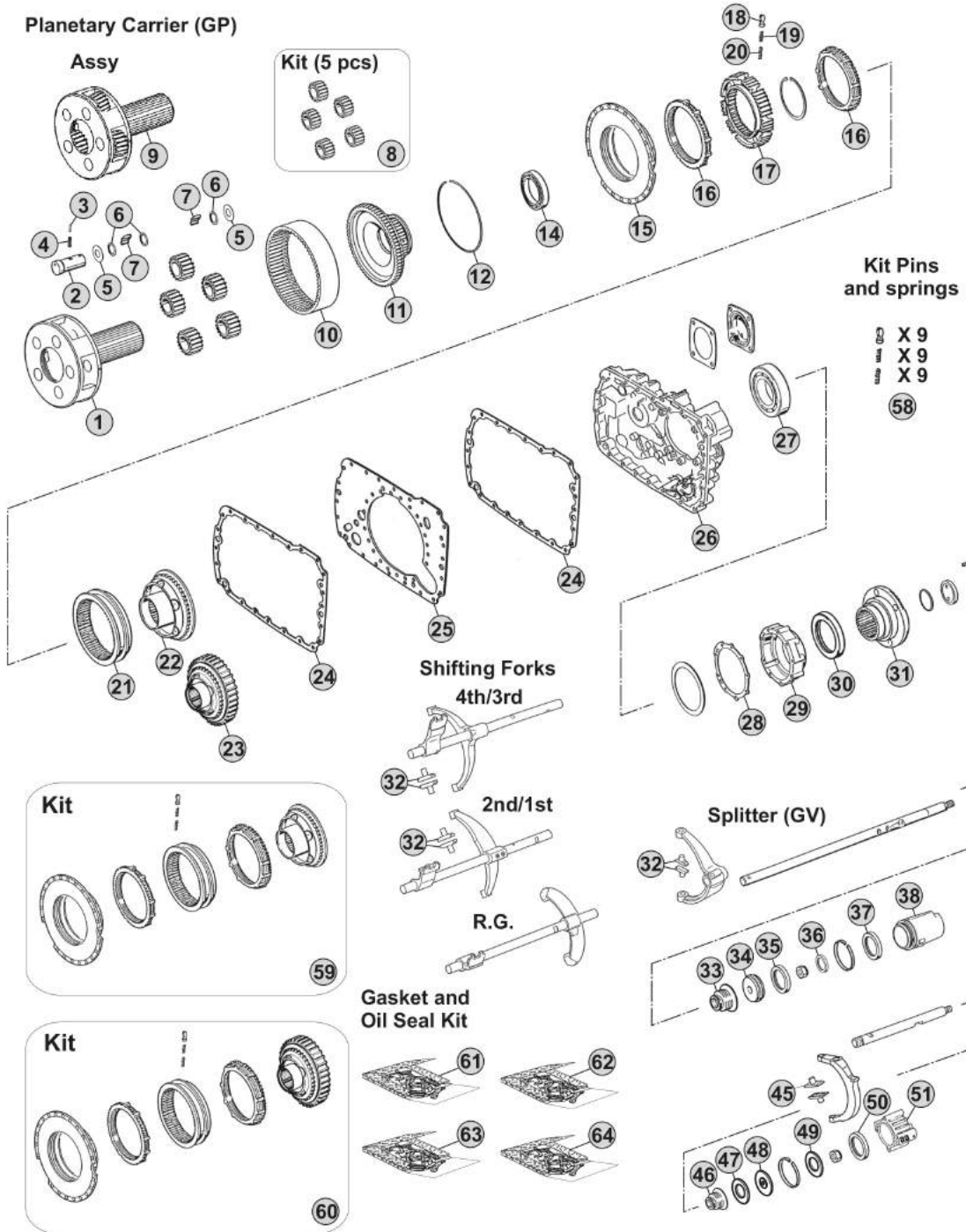
MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Straight Teeth)

Planetary Carrier (GP)



Notes

16S2520 R. 13,86-0,84

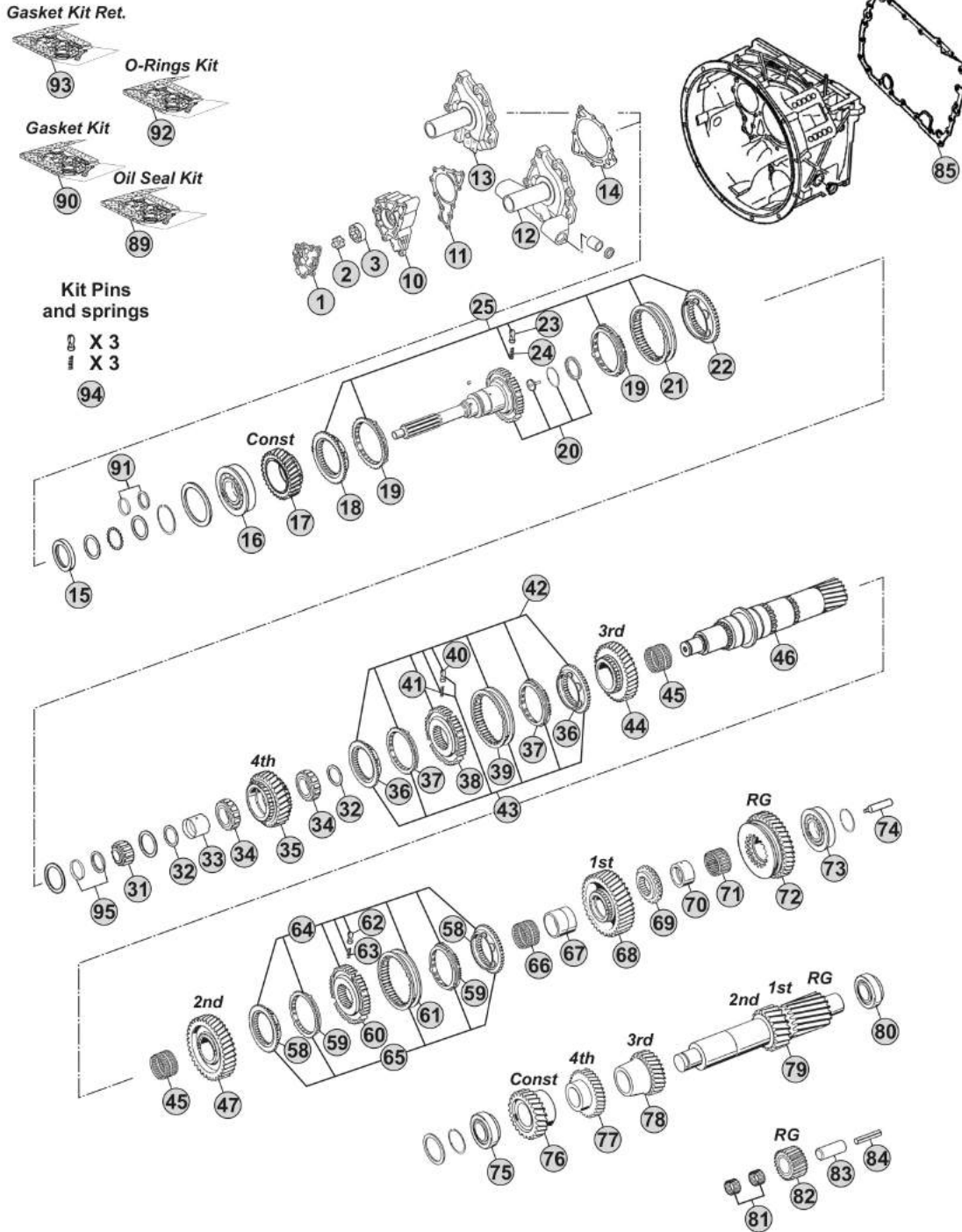
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2520 R. 13,80-0,84

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2520			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.251	1315 202 055	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
20	190.417	1316 202 038	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

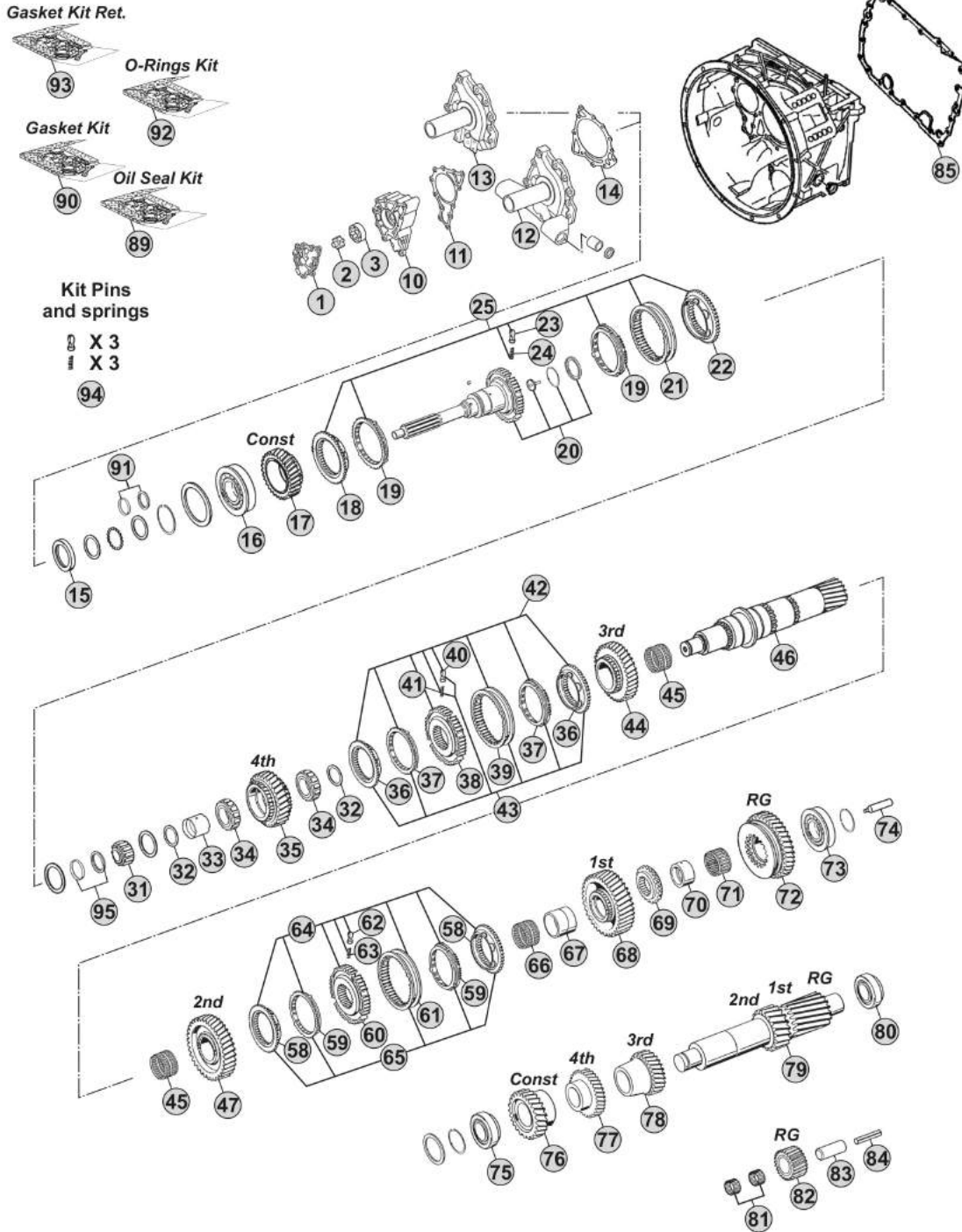
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2520 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2520			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1	(21)	●			
43	298.291	1315 298 067	Synchro Kit	1	(21)	●			
43	298.288	1325 298 008	Synchro Kit	1	(22)	●			
43	196.442	1316 298 037	Synchro Kit	1	(23)	●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1	(32)	●			
65	298.286	1315 298 066	Synchro Kit	1	(32)	●			
65	298.287	1325 298 007	Synchro Kit	1	(33)	●			
65	196.440	1316 298 036	Synchro Kit	1	(34)	●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			

 NEW ECOSPLIT III
16S2520
Date

02/2015

Notes

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

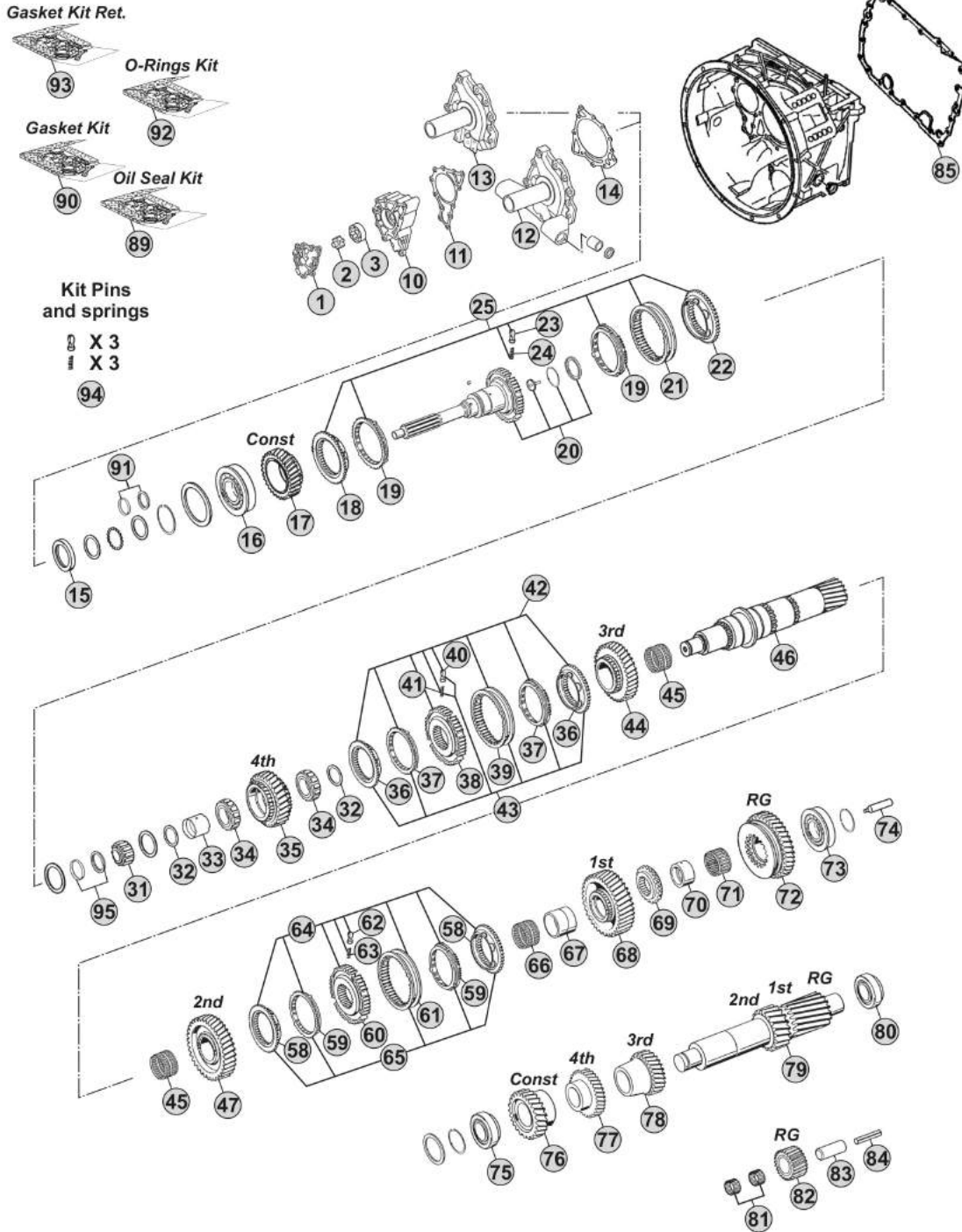
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Helical Teeth)



Notes

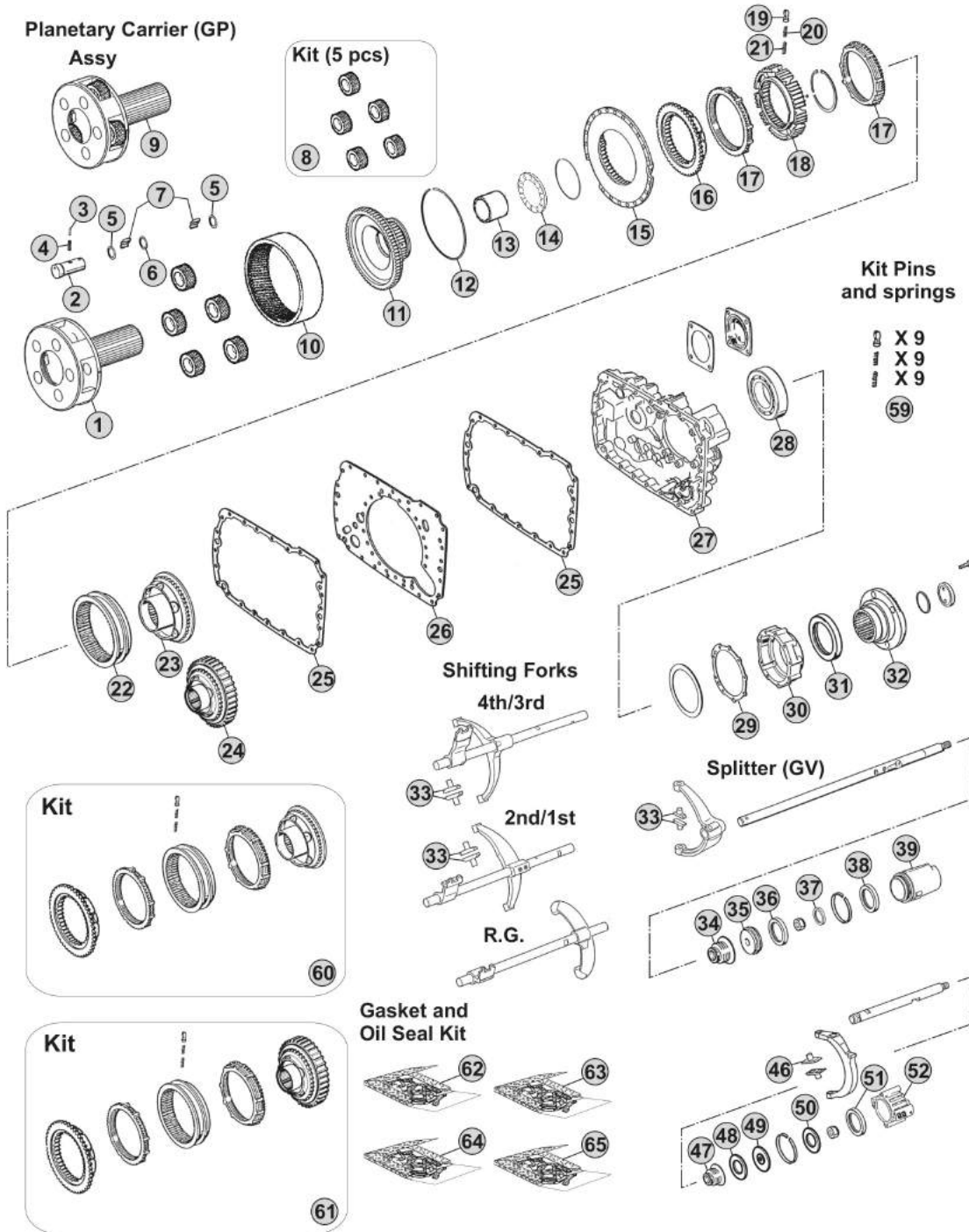
16S2520 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2520 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2520			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

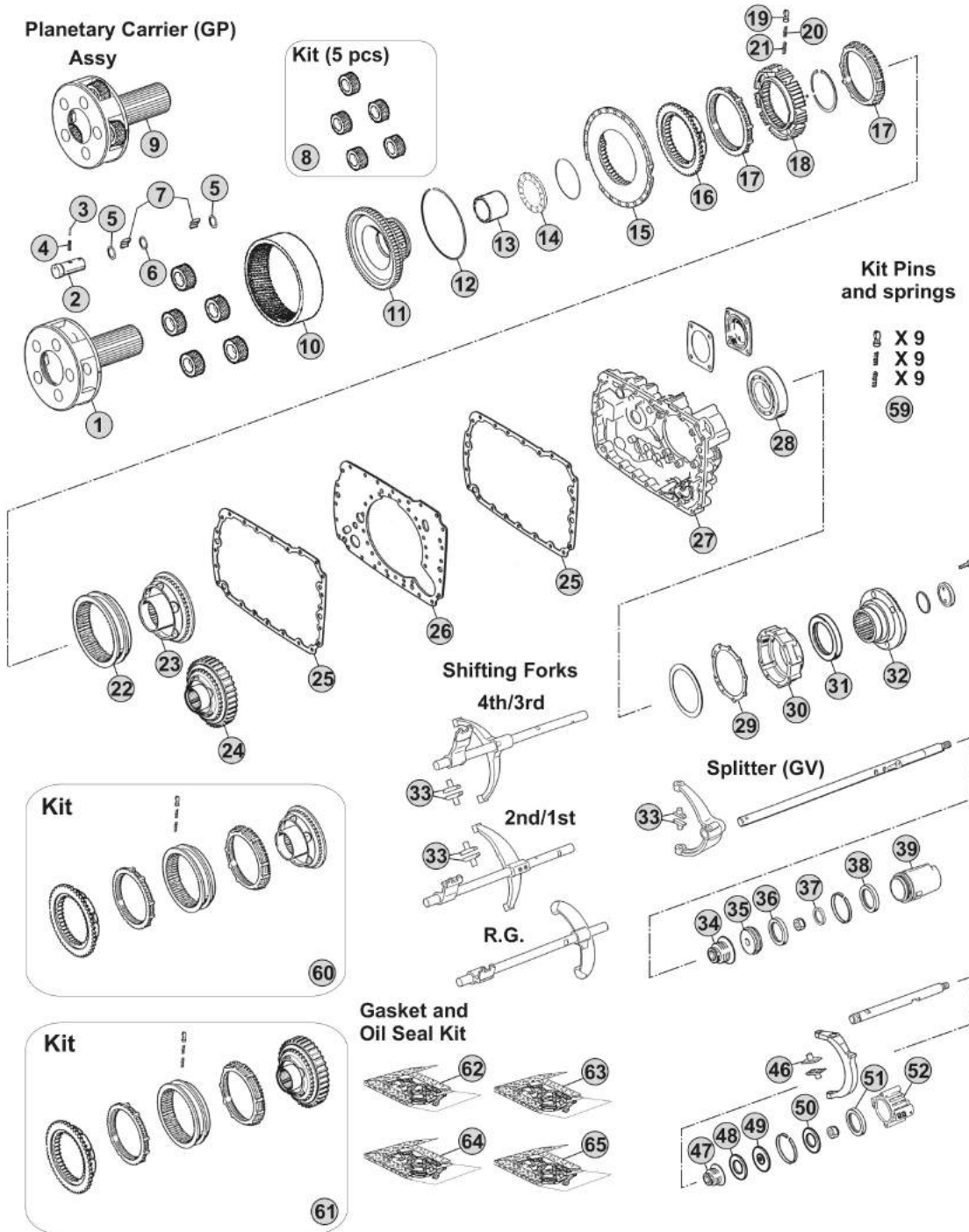
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2520 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2520 R. 13,80-0,84

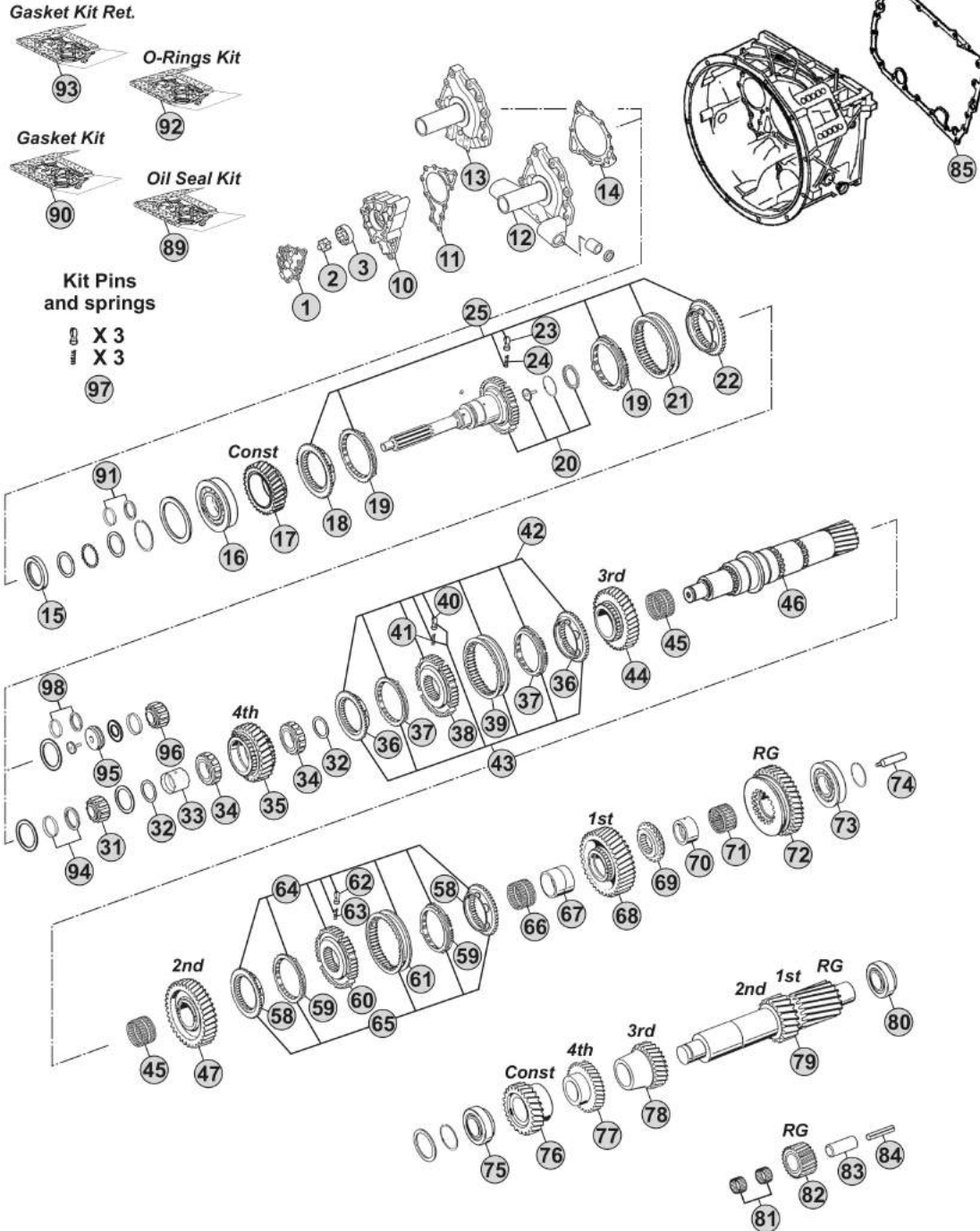
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2521 (1343 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2521				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
12	135.254	1315 202 065	Front Cover	1		●				
12	135.251	1315 202 055	Front Cover	1		●				
13	135.257	1315 302 136	Front Cover	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.554	1316 302 067	Constant Gear 35 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.303	1316 202 025	Input Shaft	1	(10)	●				
20	190.300	1316 202 026	Input Shaft	1	(10)	●				
20	190.417	1316 202 038	Input Shaft	1	(10)	●				
20	102.666	1316 202 040	Input Shaft	1	(11)	●				
20	102.570	1316 202 046	Input Shaft	1	(11)	●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(10)	●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(10) For Mainshaft 1316 304 132

(11) For Mainshaft 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2521 (1343 xxx xxx)

Gasket Kit Ret.



93

O-Rings Kit



92

Gasket Kit



90

Oil Seal Kit



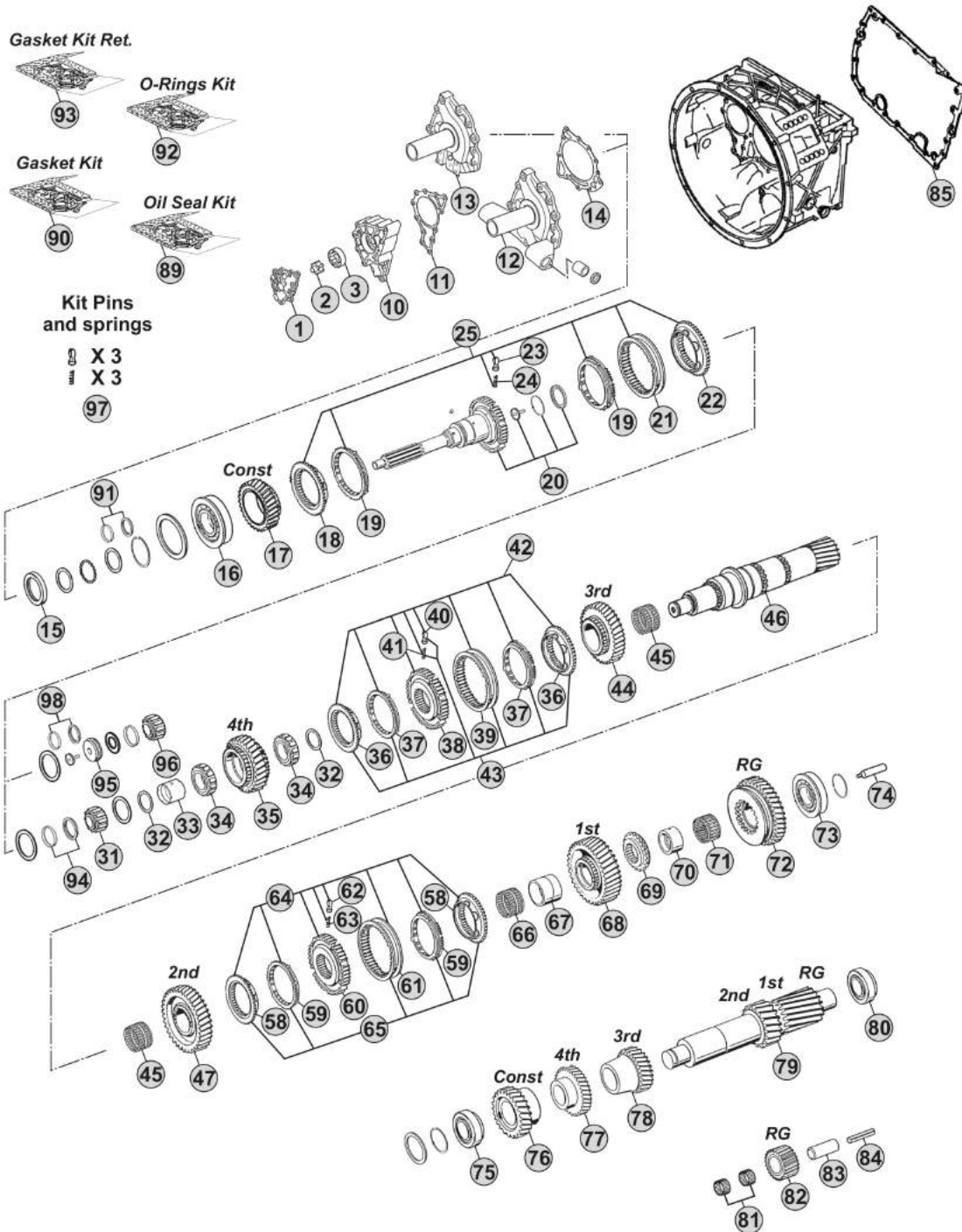
89

Kit Pins and springs

⊘ X 3

⊘ X 3

97



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2521				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●				
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.780	1316 303 071	Constant Gear 32 D	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

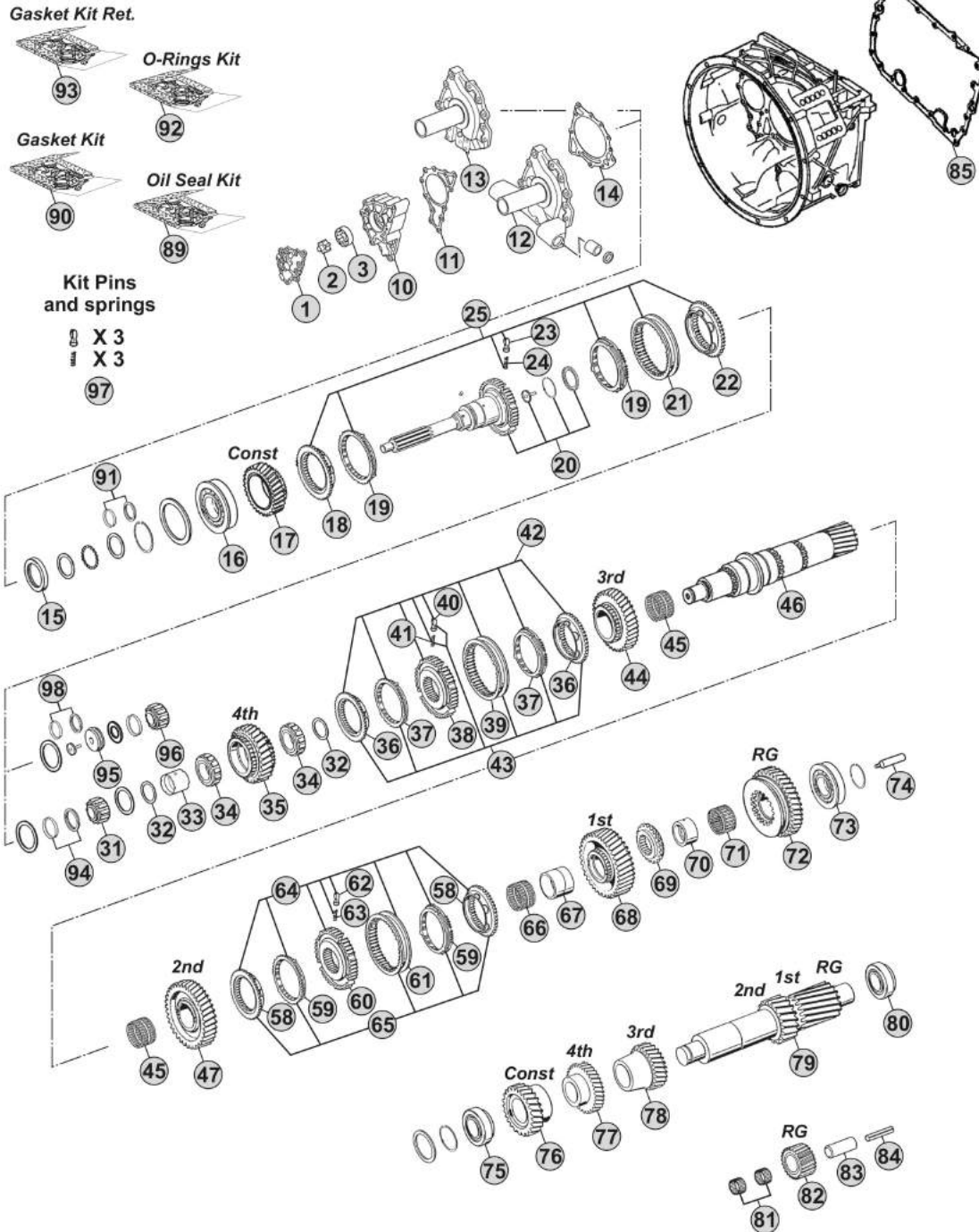
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2521 (1343 xxx xxx)



Notes

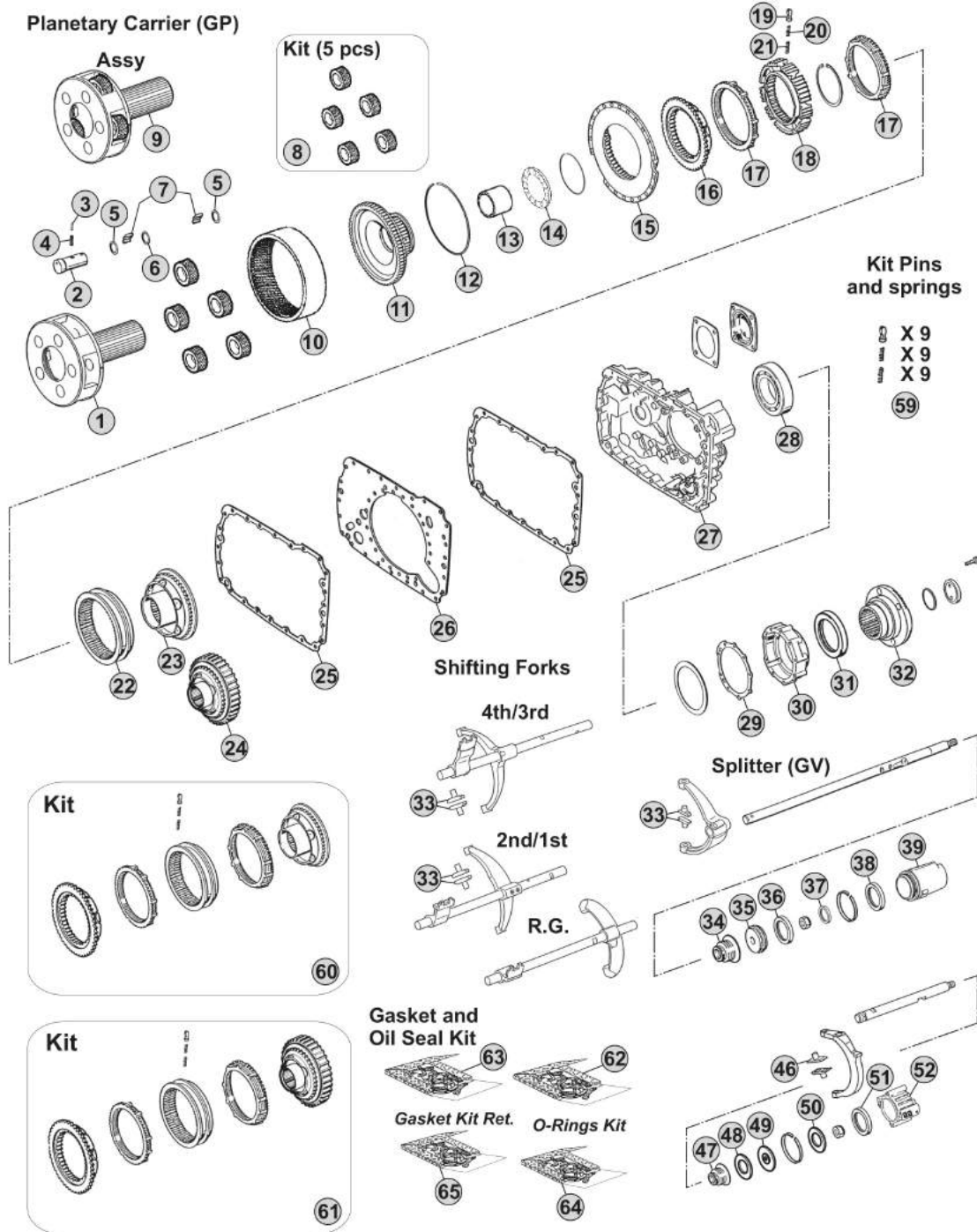
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2521 (1343 xxx xxx)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2521			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

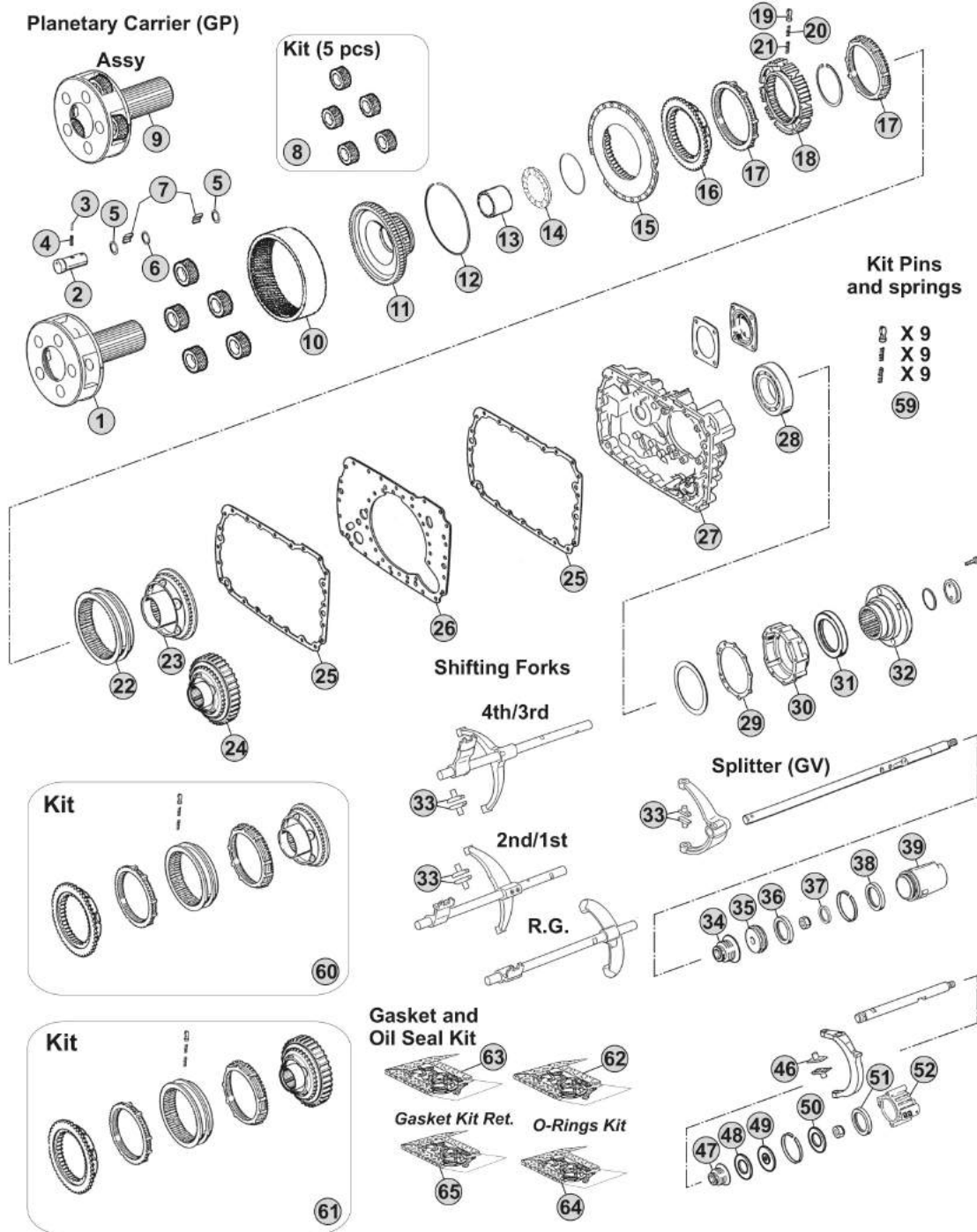
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2521 (1343 xxx xxx)



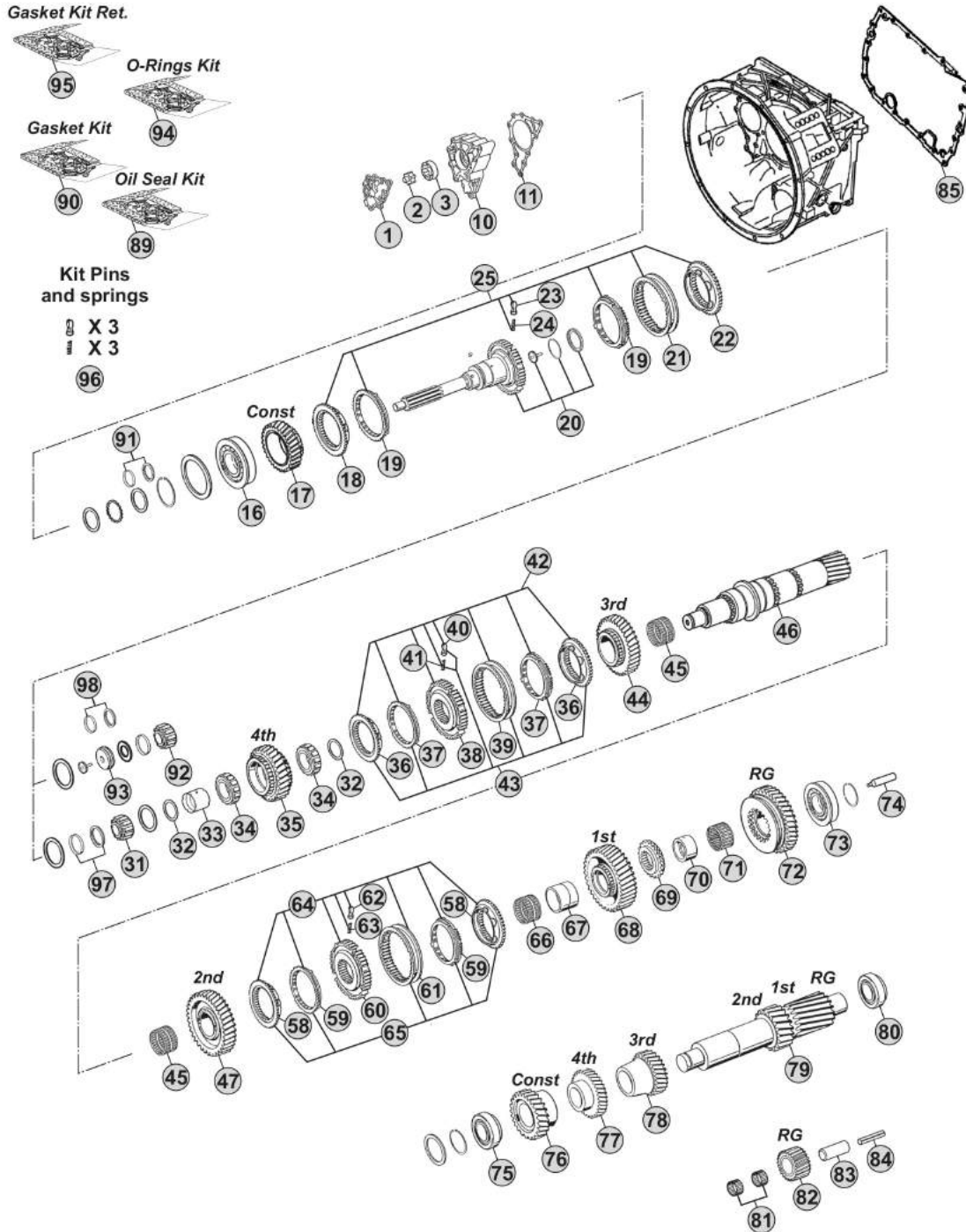
Notes

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2522 (1343 xxx xxx)



Notes

16S2522 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2522			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.512	1316 221 017	Input Shaft	1	(12) W/NMV	●			
20	190.565	1316 221 019	Input Shaft	1	(12) W/NMV	●			
20	190.566	1316 221 020	Input Shaft	1	(13) W/NMV	●			
20	190.567	1316 221 028	Input Shaft	1	(13) W/NMV	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1	(12)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(12) Only for 1316 304 132

(13) Only for 1316 304 118

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

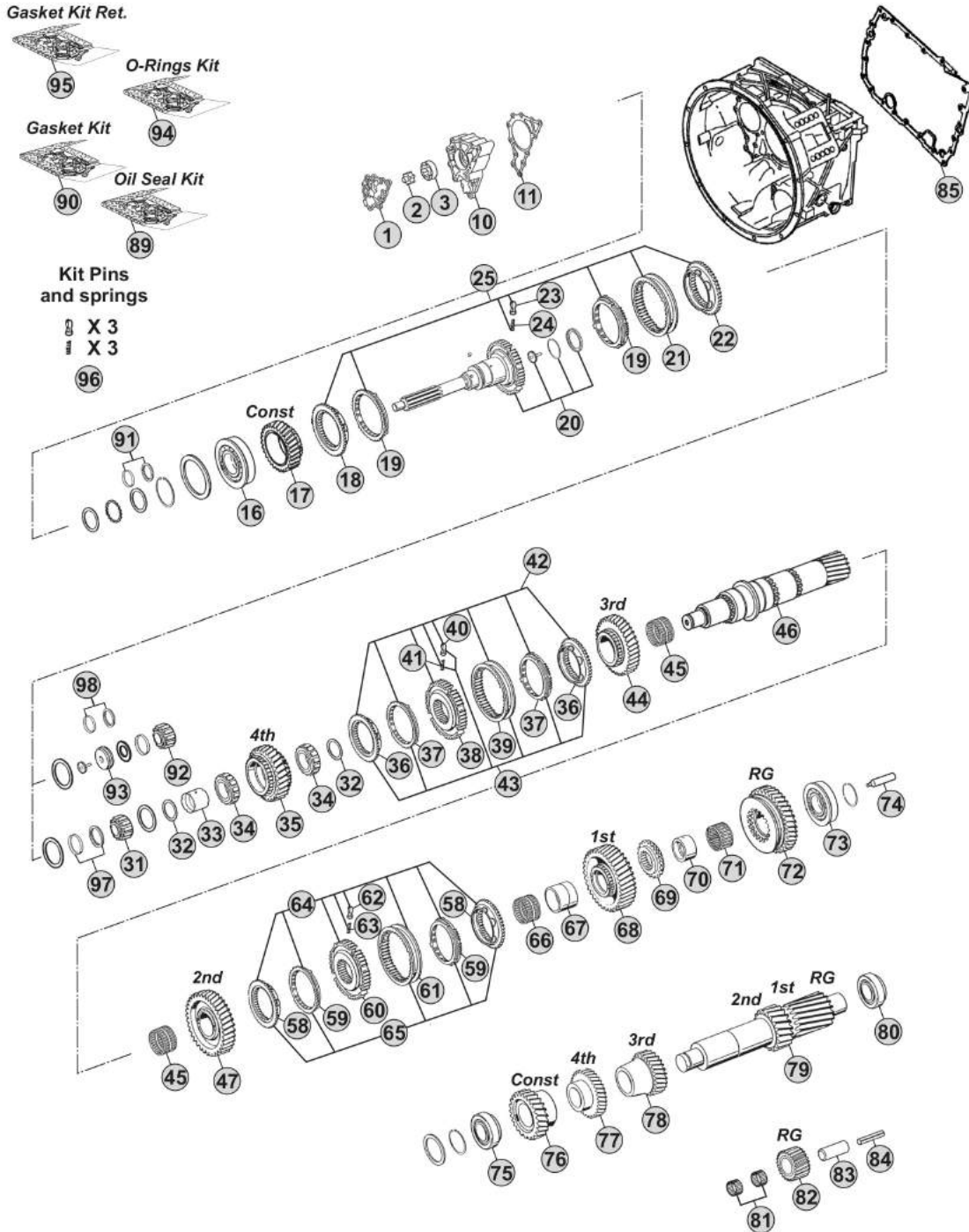
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2522 (1343 xxx xxx)



Notes

16S2522 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2522				
40	160.189	1297 304 436	Pressure Piece	3		●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
42	298.021	1315 298 061	Synchro Kit	1	(21)	●				
43	298.291	1315 298 067	Synchro Kit	1	(21)	●				
43	298.288	1325 298 008	Synchro Kit	1	(22)	●				
43	196.442	1316 298 037	Synchro Kit	1	(23)	●				
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.130	1316 304 132	Main Shaft 23 T	1	W/Front conical bearing	●				
46	103.290	1316 304 118	Main Shaft 23 T	1	W/Front cylindrical bearing	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
61	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
62	160.189	1297 304 436	Pressure Piece	3		●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				
65	298.287	1325 298 007	Synchro Kit	1	(33)	●				
65	196.440	1316 298 036	Synchro Kit	1	(34)	●				
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
67	117.310	1312 304 084	Bush 85x96x72	1		●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
69	109.163	1312 304 124	Engaging Ring	1		●				
70	117.311	1316 304 133	Bush 80x90x50	1		●				
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
72	147.128	1316 304 012	Reverse Gear 44 T	1		●				
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
76	146.780	1316 303 071	Constant Gear 32 D	1		●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●				
79	105.100	1316 303 033	Countershaft 17/20 T	1		●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.127	1316 305 001	Reverse Gear 22 T	1		●				
83	190.301	1316 201 029	Reverse Shaft	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

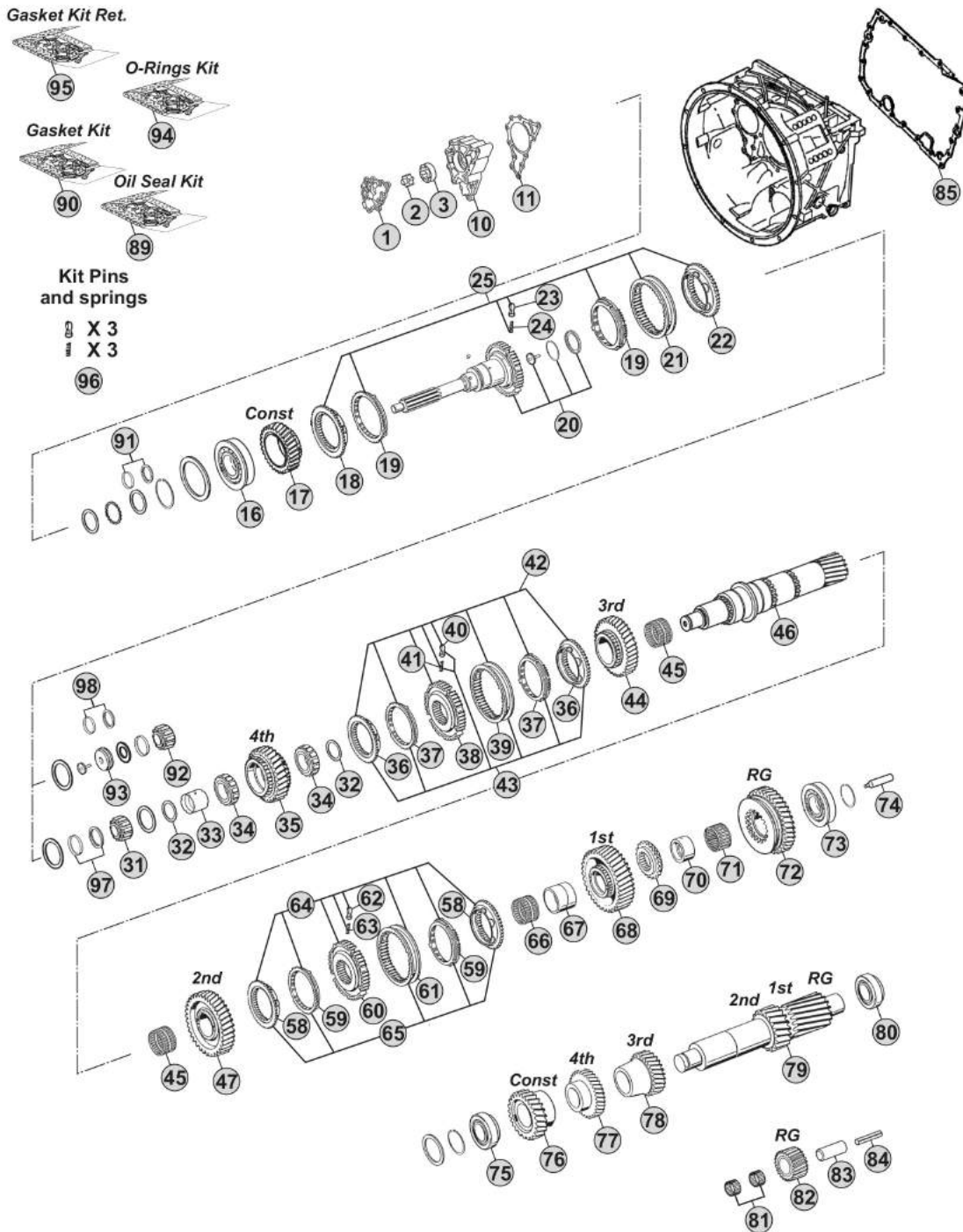
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2522 (1343 xxx xxx)



Notes

16S2522 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2522			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

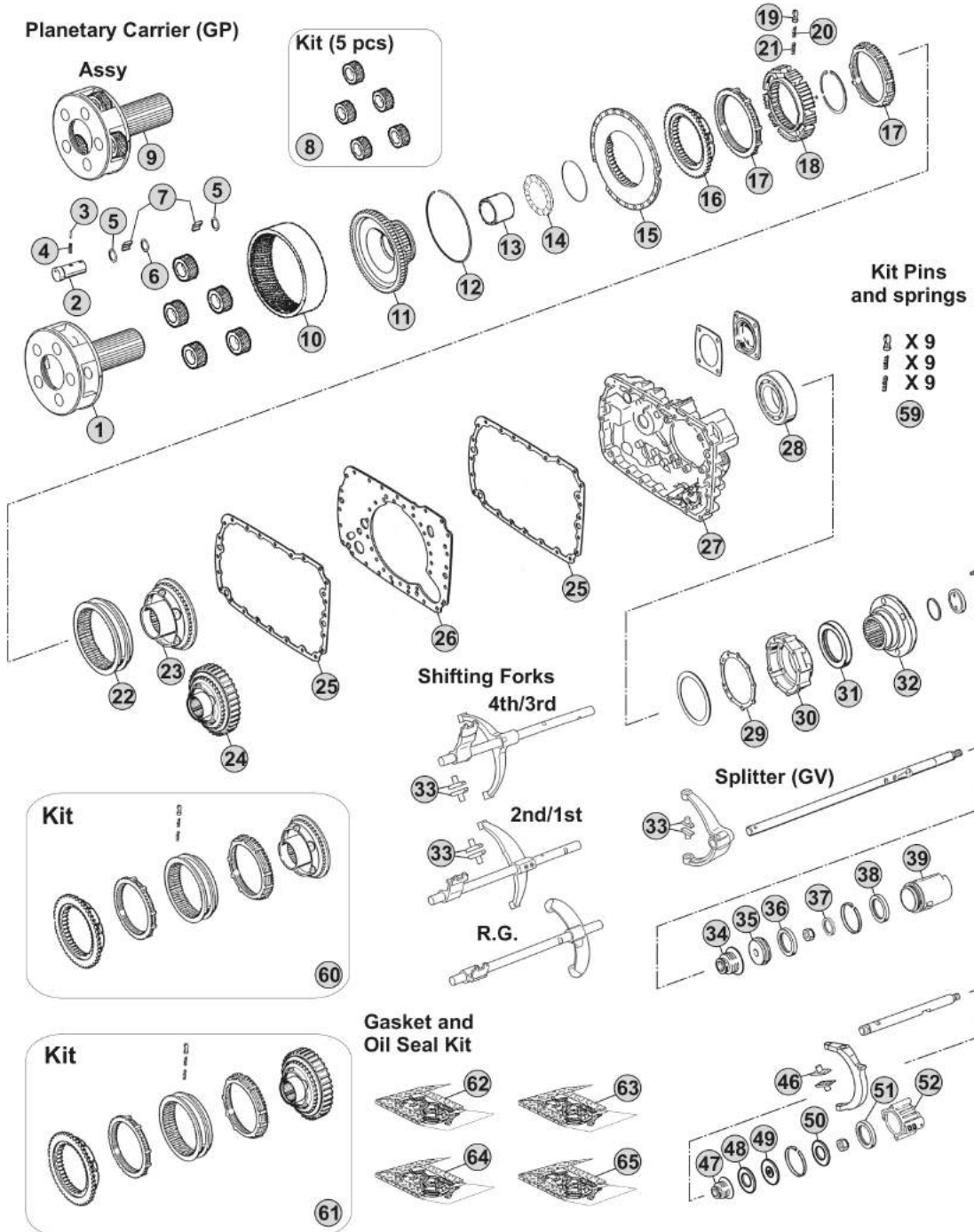
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2522 (1343 xxx xxx)



Notes

16S2522 R. 13,80-0,84

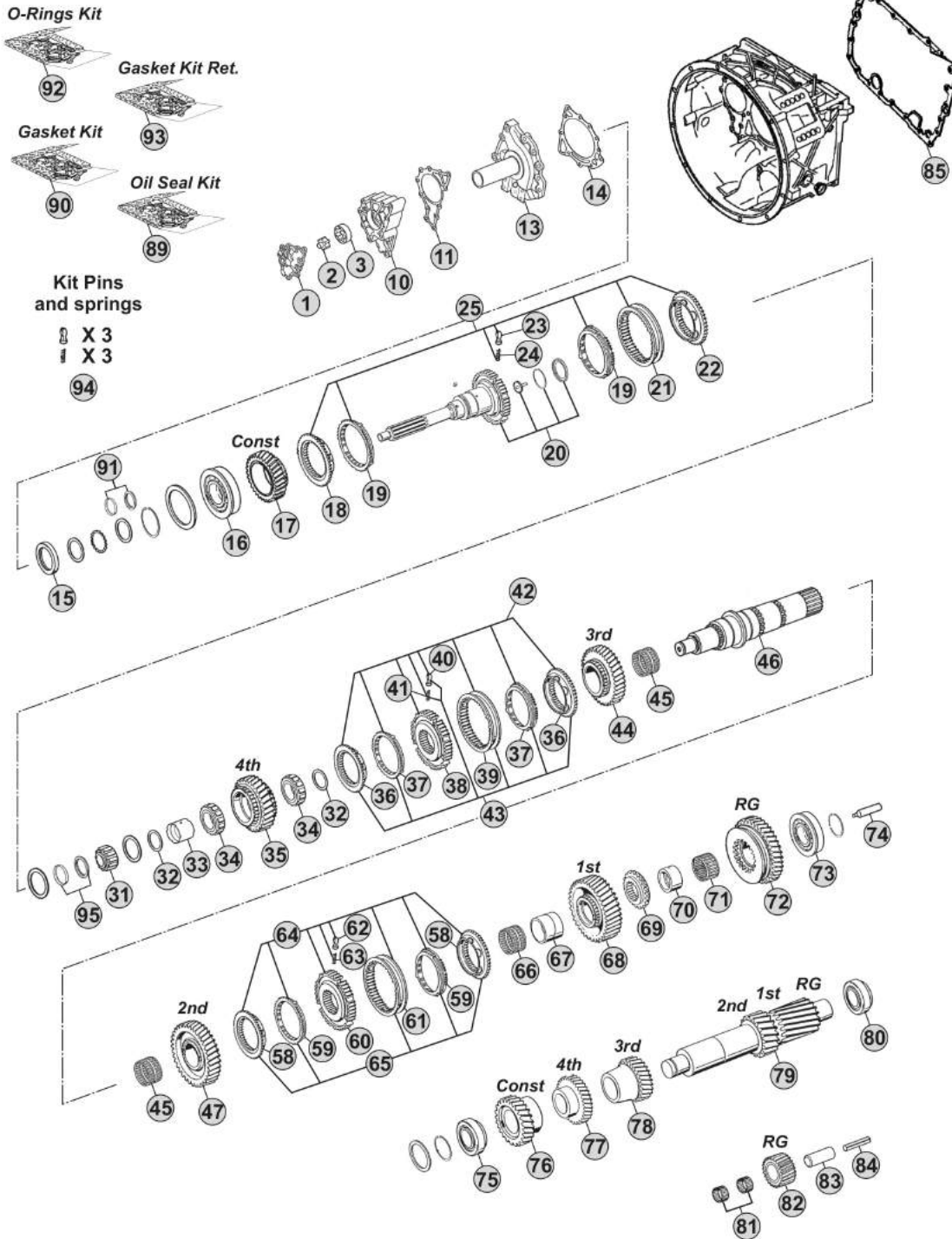
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2523 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2523				
1	189.690	1315 302 120	Oil Pump Cover	1		●				
2	189.679	1314 202 039	Oil Pump Shaft	1		●				
3	189.678	1315 303 027	Rotor	1		●				
10	189.691	1315 302 121	Oil Pump Housing	1		●				
11	139.652	1315 303 060	Gasket	1		●				
13	135.256	1315 302 075	Front Cover	1		●				
14	139.653	0501 314 587	Gasket	1		●				
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●				
17	145.554	1316 302 067	Constant Gear 35 T	1		●				
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
20	190.303	1316 202 025	Input Shaft	1		●				
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.169		Synchro Kit	1	(50)	●				
25	298.288	1325 298 008	Synchro Kit	1	(51)	●				
25	196.442	1316 298 037	Synchro Kit	1	(52)	●				
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●				
33	117.320	0750 119 124	Bush 67x77x66,10	1		●				
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

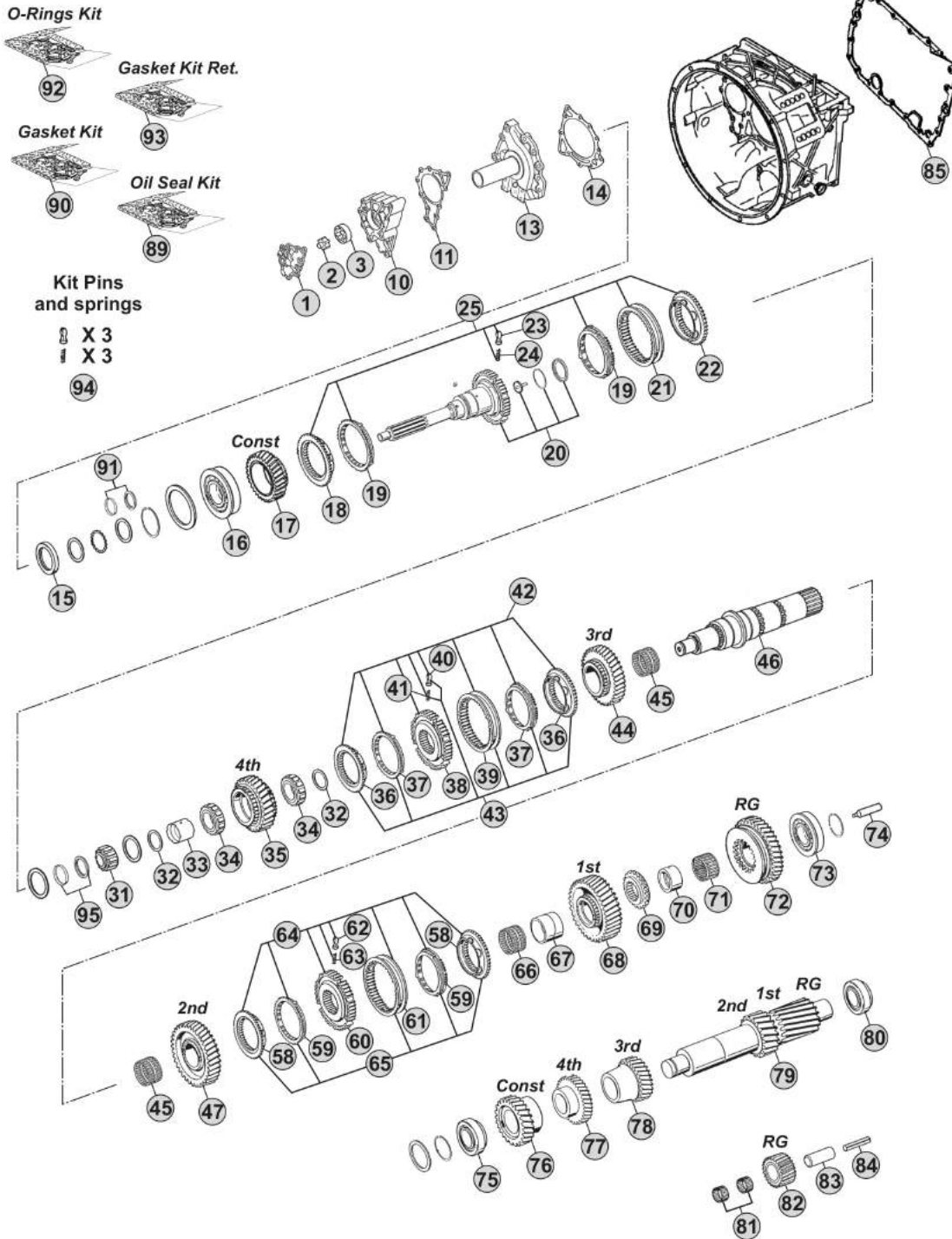
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2523 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2523			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.128	1316 304 130	Main Shaft 24 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2523
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

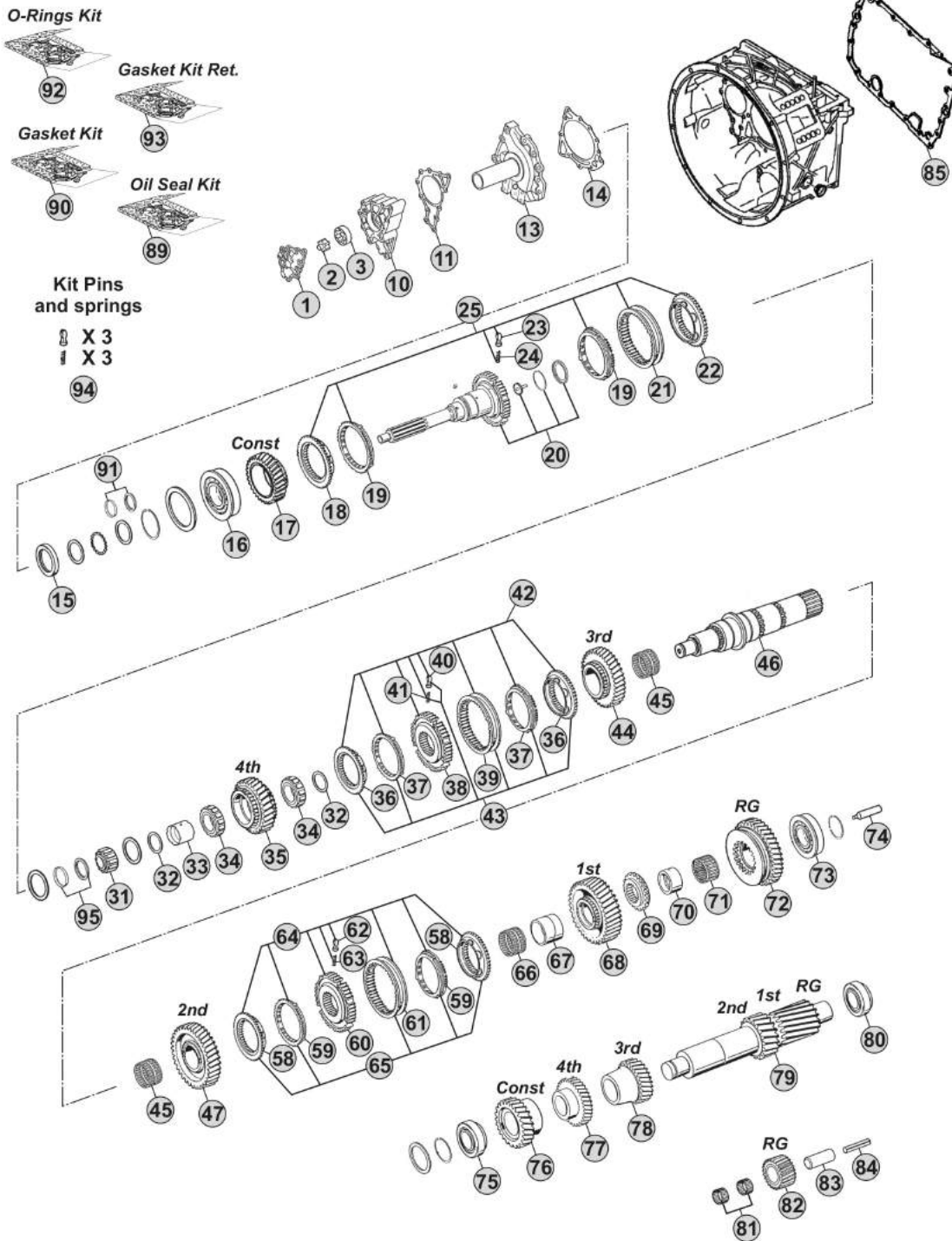
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2523 R. 13,86-0,84

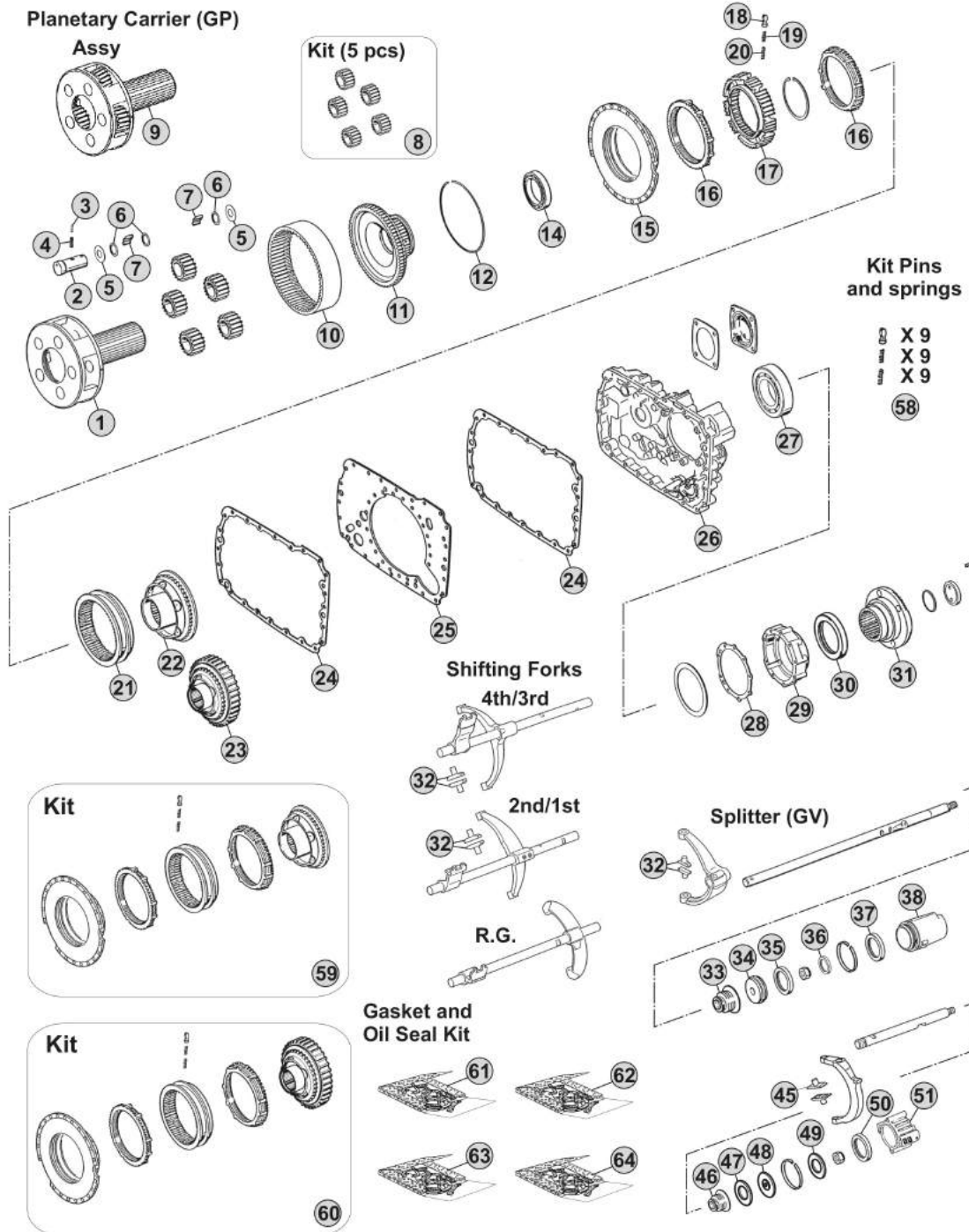
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2523 R. 13,86-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2523			
1	190.392	1316 232 006	Planetary Carrier	1		●			
2	107.165	1312 332 026	Planetary Pin	5		●			
3	160.195	0631 329 167	Lock Pin 3x26	5		●			
4	160.194	0631 329 051	Lock Pin 5x26	5		●			
5	169.759	0501 308 981	Thrust Washer	10		●			
6	169.744	0730 107 168	Spacer Ring	15		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	198.801	1312 232 014	Planetary Gear Set (5 pcs)	1		●			
9	298.887		Planetary Carrier	1		●			
10	123.208	1295 332 086	Crown Gear 86 T	1		●			
11	150.134	1297 332 120	Carrier Hub 86 T	1	(60)	●			
11	150.243	1316 332 129	Carrier hub 86 T	1	(61)	●			
12	111.198	0730 505 056	Locking Wire	1		●			
14	130.311	0635 338 035	Bearing 100x125x13	1		●			
15	298.017	1315 233 006	Synchronizer cone	1		●			
16	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
17	157.183	1297 333 115	Synchronizer Hub	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
21	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
22	198.790	1297 233 056	Synchronizer Cone (41 spl.)	1	(60)	●			
22	109.206	1316 233 030	Synchronizer Cone (41 Spl.)	1	(61)	●			
23	196.352	1316 233 010	Synchronizer Cone 59 T(41 Spl.)	1	(60)	●			
23	109.207	1316 233 027	Synchronizer Cone 59 T(41 Spl.)	1	(61)	●			
24	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
24	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
25	135.148	1315 301 118	Saddle plate	1		●			
26	175.242	1315 301 223	Housing	1	W/out Retarder	●			
26	175.422	6085 201 079	Housing	1	With Retarder	●			
27	130.245	0750 116 394	Bearing 90x160x30	1		●			
28	139.644	1315 331 001	Gasket	1	W/out Retarder	●			
29	175.421	1315 231 004	Cover	1	W/out Retarder	●			
30	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
31	197.254	1297 333 110	Output Flange D.180 mm	1		●			
32	141.163	1297 306 120	Sliding pad	6	Old Type	●			
32	141.168	1316 306 015	Sliding pad	6	New Type	●			
33	139.655	0750 112 253	Cap Collar D.25x40x15	1		●			
34	189.718	1315 312 020	Piston	2		●			
35	139.656	0750 112 177	Ring	1		●			
36	139.657	0634 313 320	O-ring	1		●			

 NEW ECOSPLIT III
16S2523

Date

02/2015

Notes

(60) Only for old version

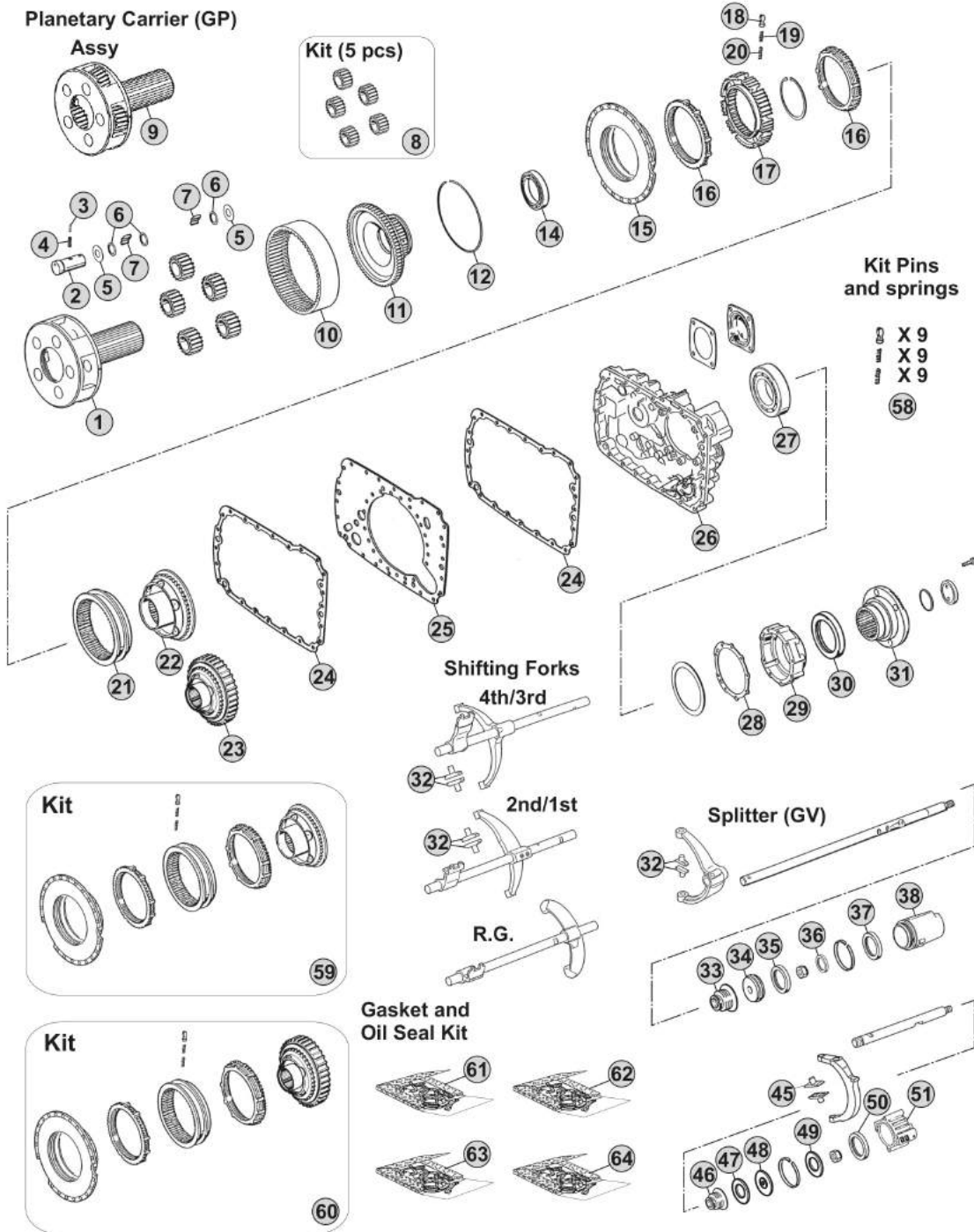
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Straight Teeth)



Notes

16S2523 R. 13,86-0,84

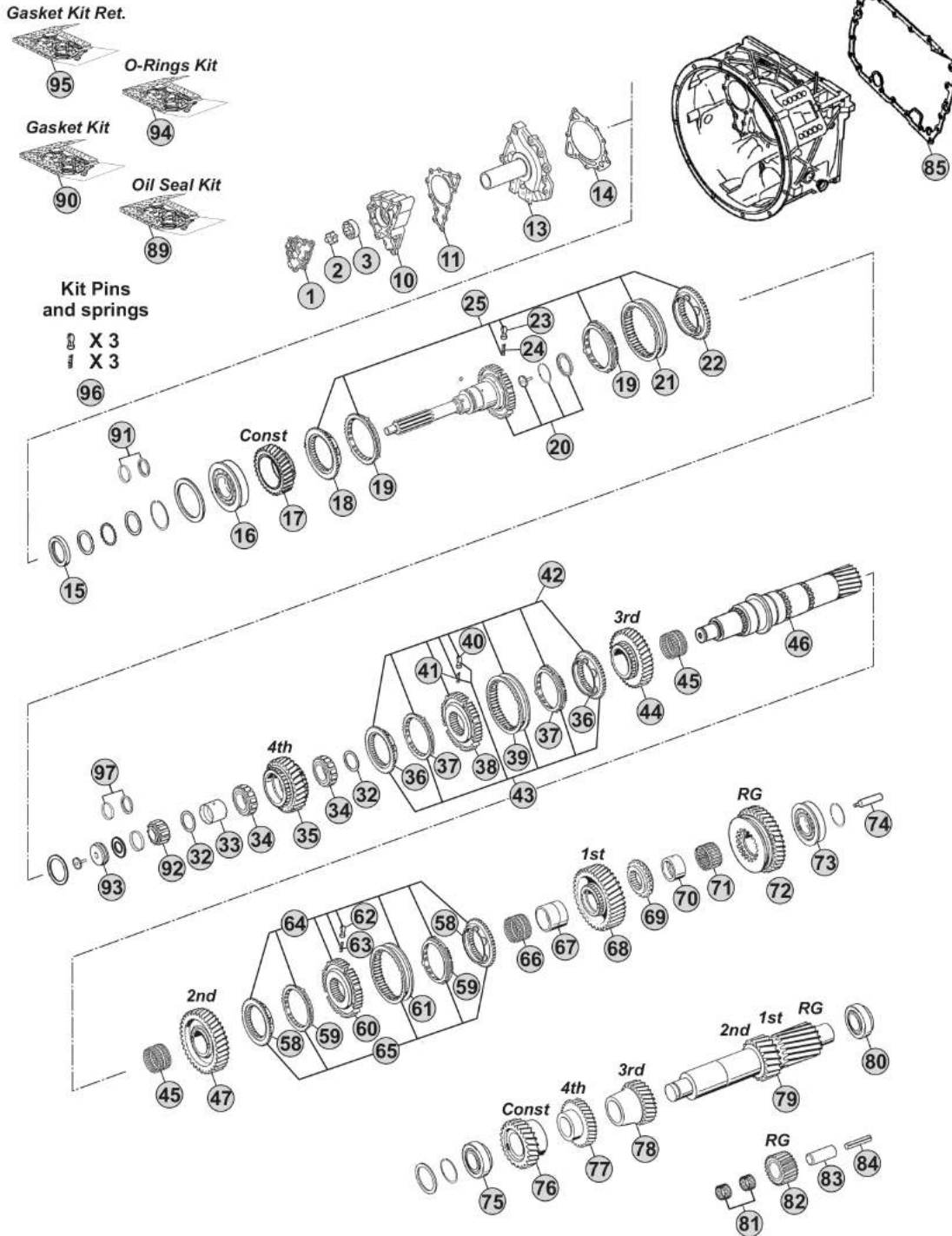
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2523 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2523			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	102.666	1316 202 040	Input Shaft	1		●			
20	102.570	1316 202 046	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			

Date

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Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

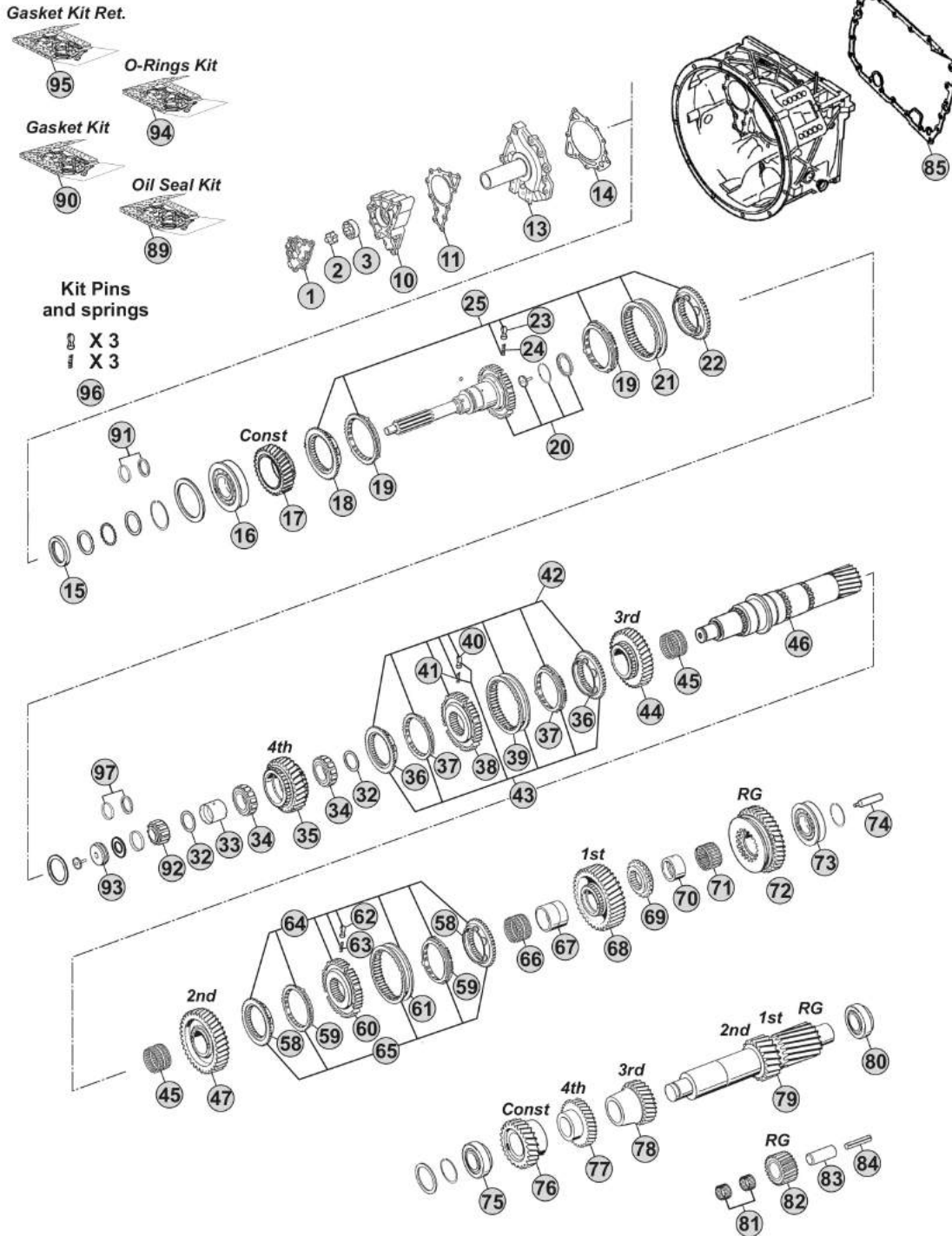
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2523 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2523			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.290	1316 304 118	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2523
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

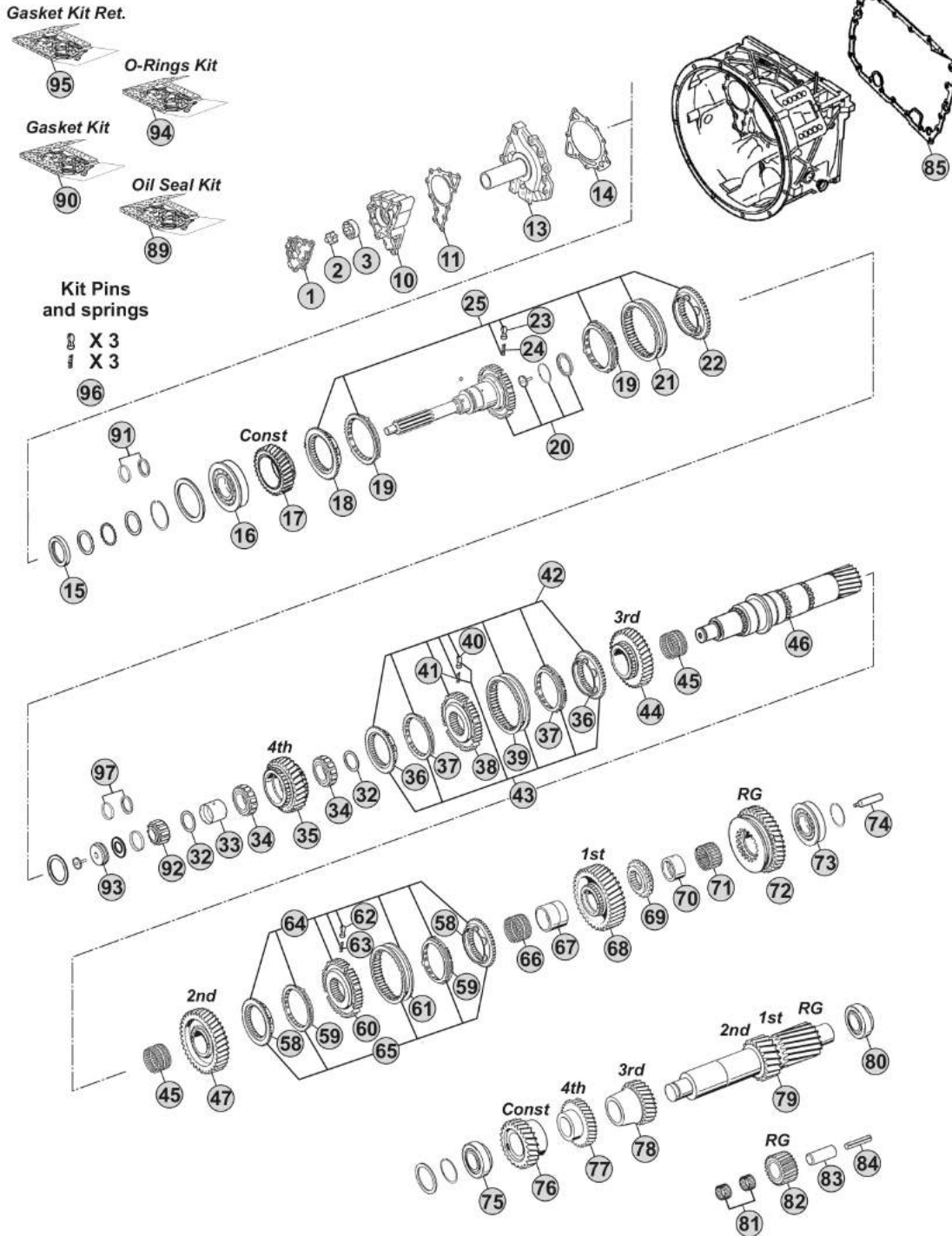
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Helical Teeth)



Notes

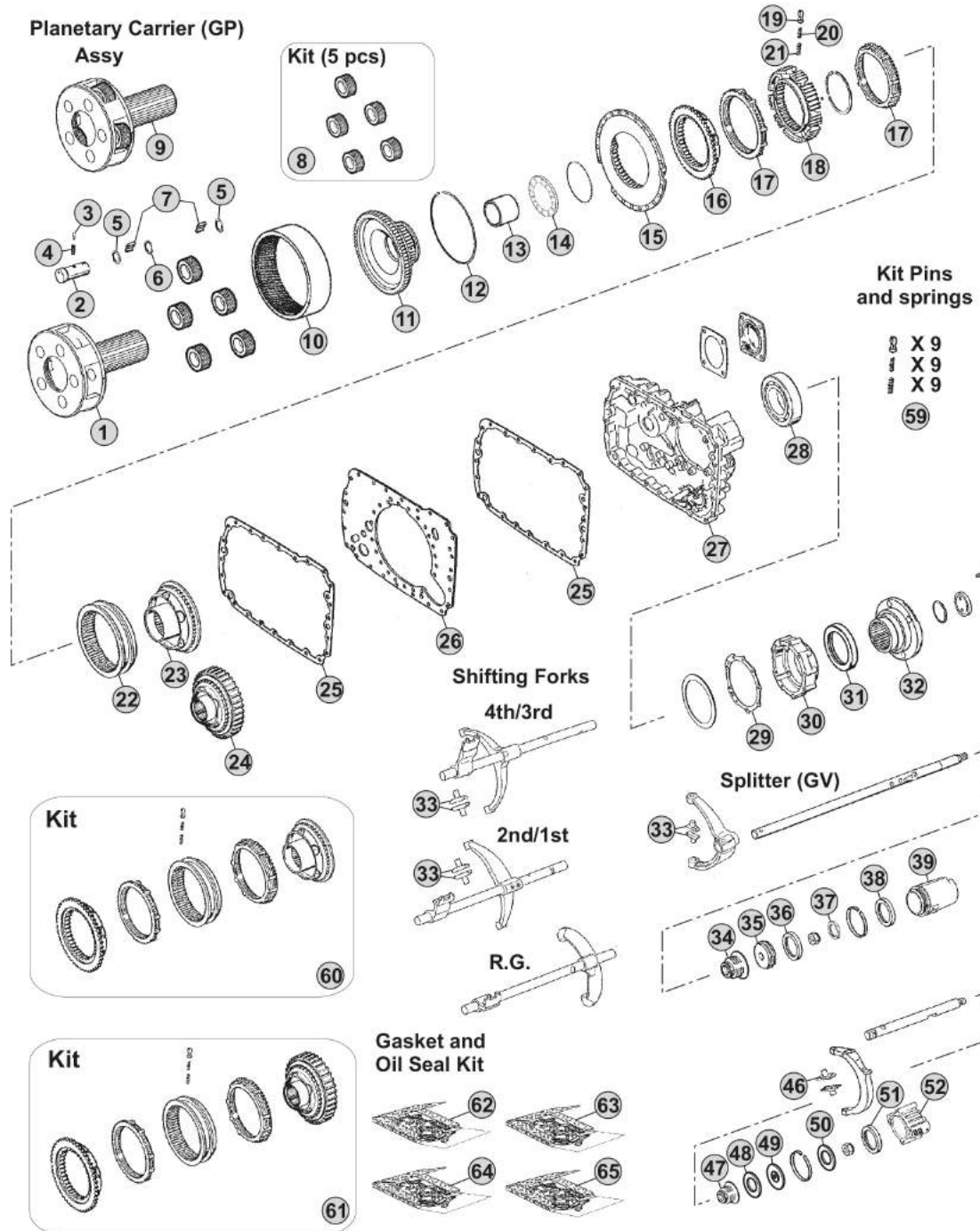
16S2523 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2523 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2523			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1		●			
30	175.421	1315 231 004	Cover	1		●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

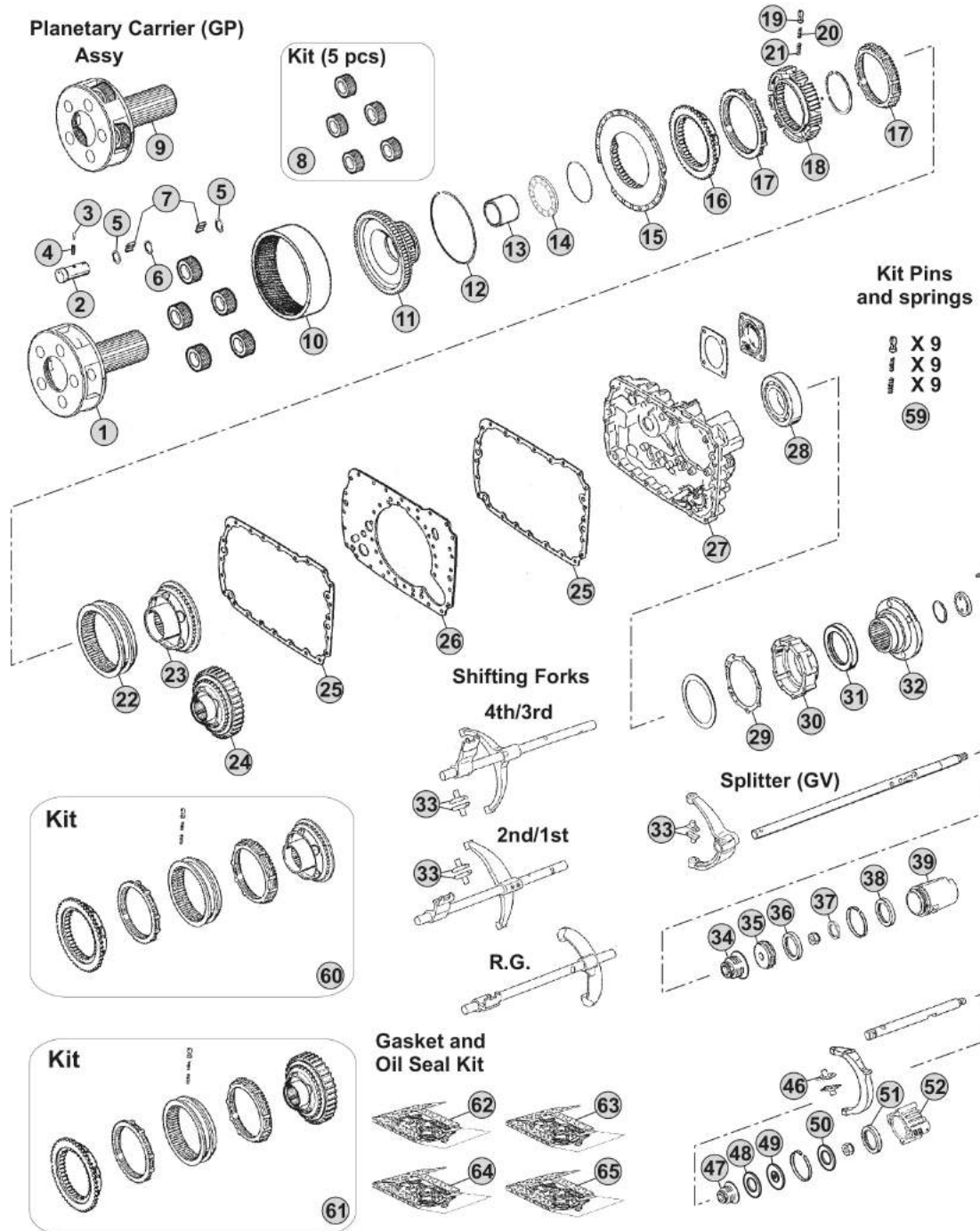
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2523 (1343 xxx xxx) (GP Helical Teeth)



Notes

16S2523 R. 13,80-0,84

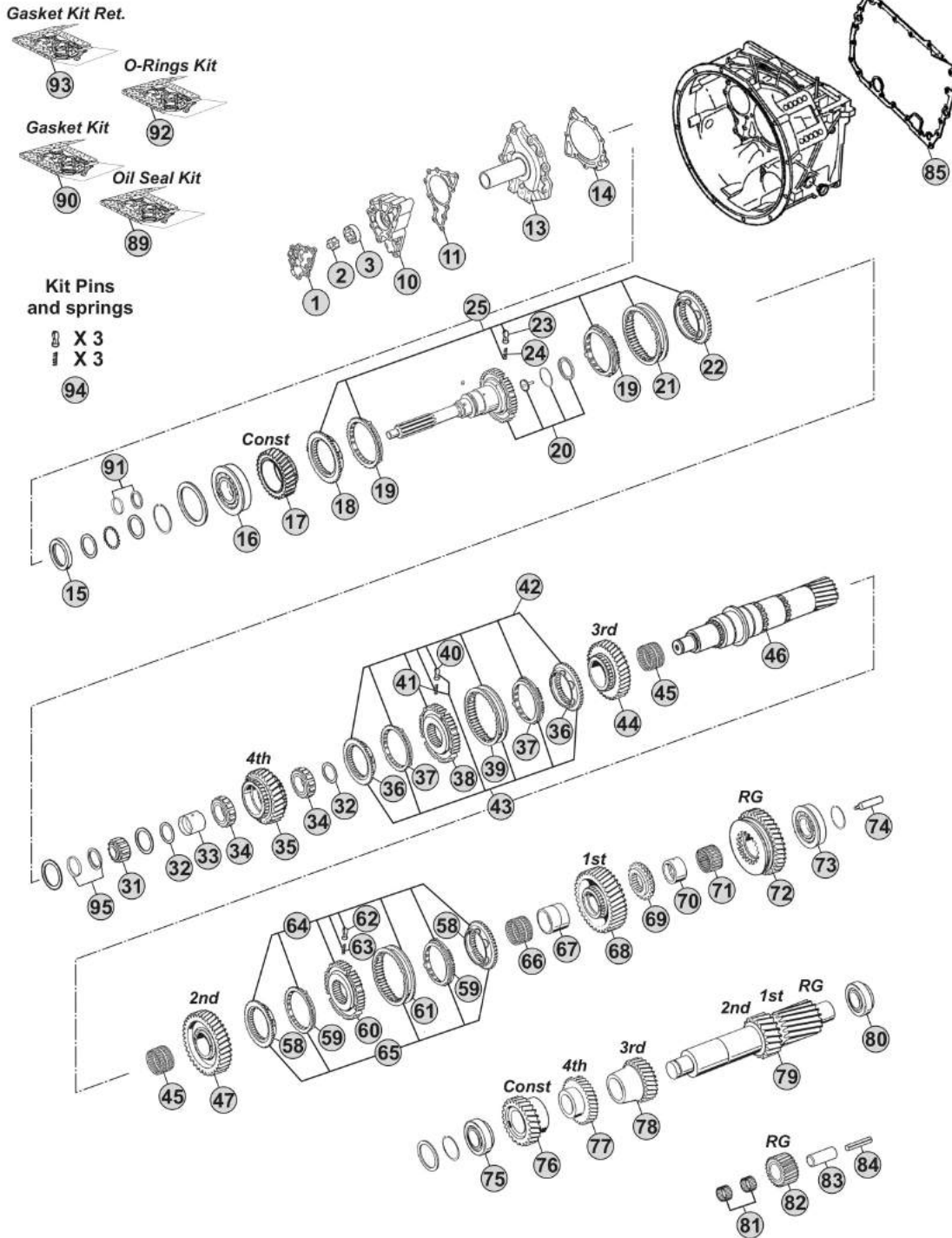
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2525 (1343 xxx xxx)



Notes

16S2525 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2525			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.417	1316 202 038	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
36	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
36	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
36	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
37	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
37	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
37	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
39	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

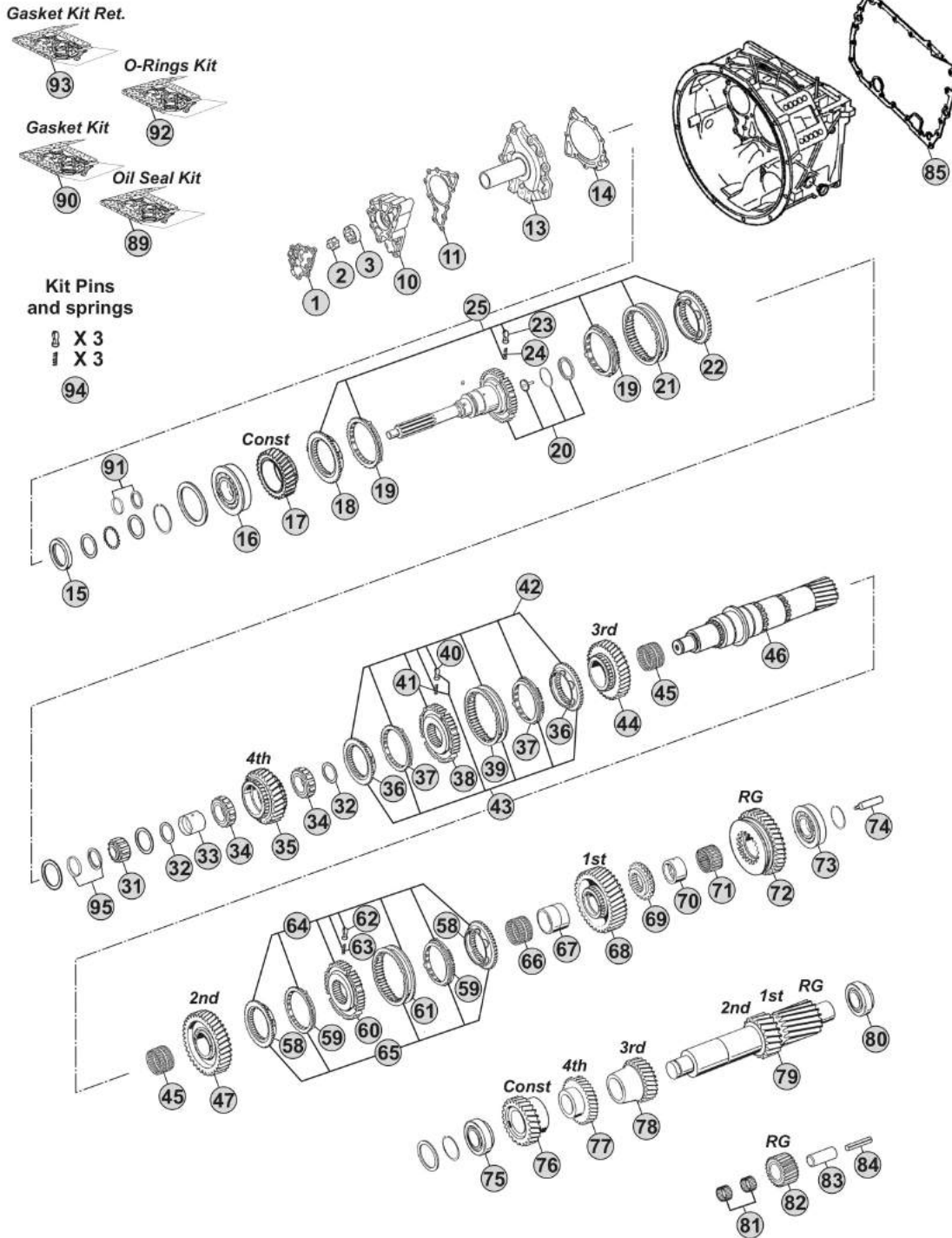
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2525 (1343 xxx xxx)



Notes

16S2525 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2525			
40	160.189	1297 304 436	Pressure Piece	3		●			
41	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
42	298.021	1315 298 061	Synchro Kit	1 (21)		●			
43	298.291	1315 298 067	Synchro Kit	1 (21)		●			
43	298.288	1325 298 008	Synchro Kit	1 (22)		●			
43	196.442	1316 298 037	Synchro Kit	1 (23)		●			
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●			
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
46	103.130	1316 304 132	Main Shaft 23 T	1		●			
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●			
58	109.386	1316 304 156	Synchronizer Cone	2 (32-33)		●			
58	109.824	1356 304 026	Synchronizer Cone	2 (34)		●			
59	119.218	1316 304 170	Synchronizer Ring	2 (32-33)		●			
59	119.302	1316 304 173	Synchronizer Ring	2 (34)		●			
60	157.228	1316 304 163	Synchronizer Hub	1 (32)		●			
60	155.290	1356 304 022	Synchronizer Hub	1 (33-34)		●			
61	154.358	1316 304 169	Sliding Sleeve	1 (32)		●			
61	154.456	1356 304 024	Sliding Sleeve	1 (33-34)		●			
62	160.189	1297 304 436	Pressure Piece	3		●			
63	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
64	298.020	1315 298 060	Synchro Kit	1 (32)		●			
65	298.286	1315 298 066	Synchro Kit	1 (32)		●			
65	298.287	1325 298 007	Synchro Kit	1 (33)		●			
65	196.440	1316 298 036	Synchro Kit	1 (34)		●			
66	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
67	117.310	1312 304 084	Bush 85x96x72	1		●			
68	145.475	1316 304 010	Gear 1st Speed 47 T	1		●			
69	109.163	1312 304 124	Engaging Ring	1		●			
70	117.311	1316 304 133	Bush 80x90x50	1		●			
71	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
72	147.128	1316 304 012	Reverse Gear 44 T	1		●			
73	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
74	188.209	1312 304 150	Oil Tube	1		●			
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
76	146.780	1316 303 071	Constant Gear 32 D	1		●			
77	146.426	1316 303 065	Gear 4th Speed 35 T	1		●			
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●			
79	105.100	1316 303 033	Countershaft 17/20 T	1		●			
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
82	147.127	1316 305 001	Reverse Gear 22 T	1		●			
83	190.301	1316 201 029	Reverse Shaft	1		●			
84	160.301	0631 329 296	Pin	1		●			

 NEW ECOSPLIT III
16S2525
Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

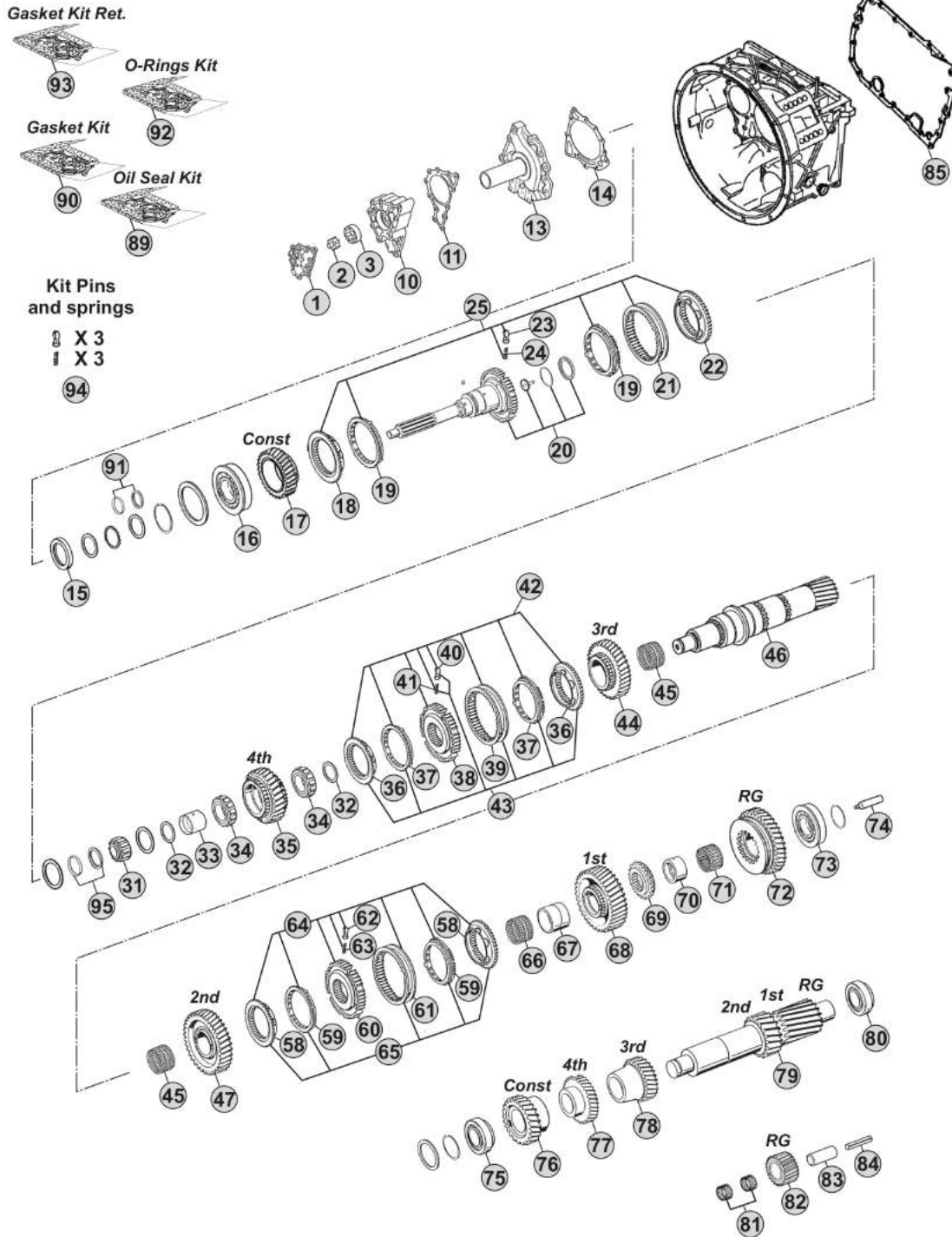
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2525 (1343 xxx xxx)



Notes

16S2525 R. 13,80-0,84

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MODELS:

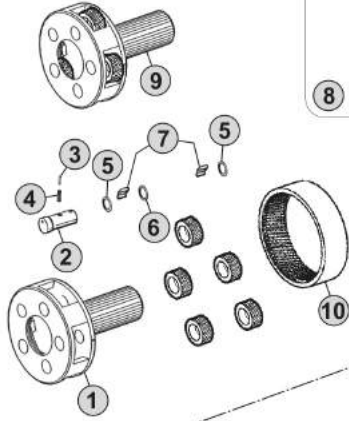
- NEW ECOSPLIT III

VERSIONS:

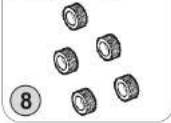
- 16S2525 (1343 xxx xxx)

Planetary Carrier (GP)

Assy

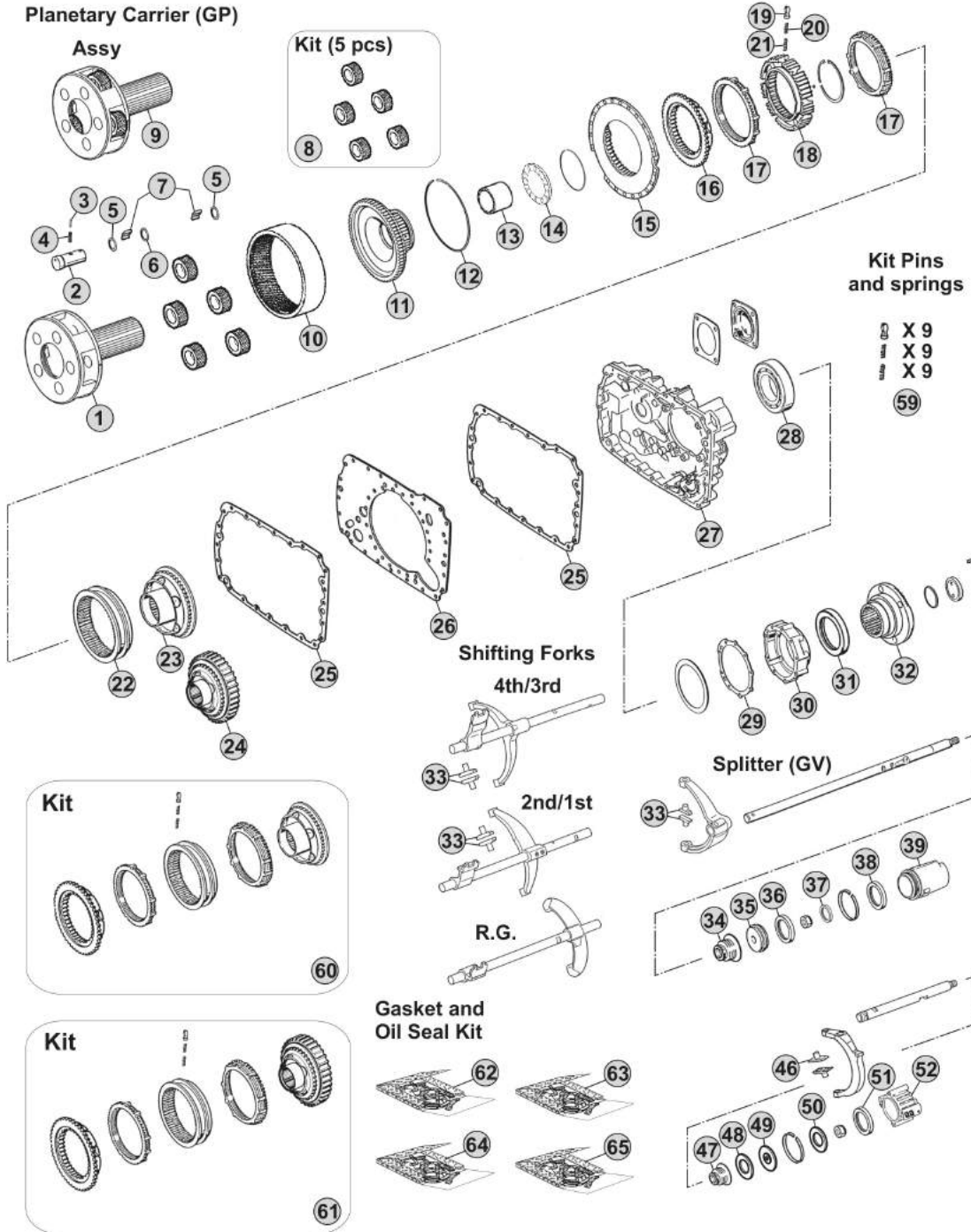


Kit (5 pcs)



Kit Pins and springs

- X 9
- X 9
- X 9
- 59



Shifting Forks
4th/3rd



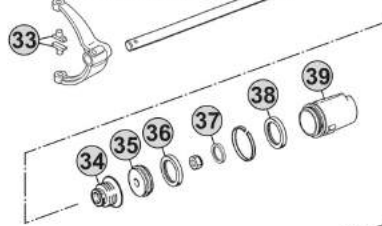
2nd/1st



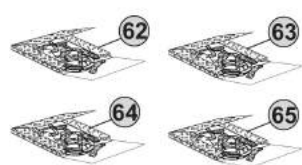
R.G.



Splitter (GV)



Gasket and Oil Seal Kit



Notes

16S2525 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2525			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.256	1316 332 140	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	269.010	0730 109 309	Spacer Ring	5		●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Crown Gear 82 T	1		●			
11	150.136	1316 332 103	Carrier Hub 82 T	1	(60)	●			
11	150.270	1316 332 130	Carrier Hub 82 T	1	(61)	●			
12	111.426	0730 513 583	Locking Wire	1		●			
13	119.256	1316 333 014	Intermediate Ring	1		●			
14	130.312	0735 298 169	Bearing 104,50x128,40x10	1		●			
15	135.122	1296 333 046	Saddle Plate	1		●			
16	109.174	1296 333 050	Synchronizer Cone	1		●			
17	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
17	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
18	157.182	1313 333 001	Synchronizer Hub	1		●			
19	160.116	1240 304 278	Pressure Piece	9		●			
20	156.036	0732 040 386	Inner Spring De.3x34	9		●			
21	156.037	0732 040 385	Outer Spring De.6x34	9		●			
22	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
22	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
23	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
23	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl.)	1	(60) With Retarder	●			
24	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
25	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
26	135.148	1315 301 118	Saddle plate	1		●			
27	175.242	1315 301 223	Housing	1	W/out Retarder	●			
27	175.422	6085 201 079	Housing	1	With Retarder	●			
28	130.245	0750 116 394	Bearing 90x160x30	1		●			
29	139.644	1315 331 001	Gasket	1	W/out Retarder	●			
30	175.421	1315 231 004	Cover	1	W/out Retarder	●			
31	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
32	197.254	1297 333 110	Output Flange D.180 mm	1		●			

Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

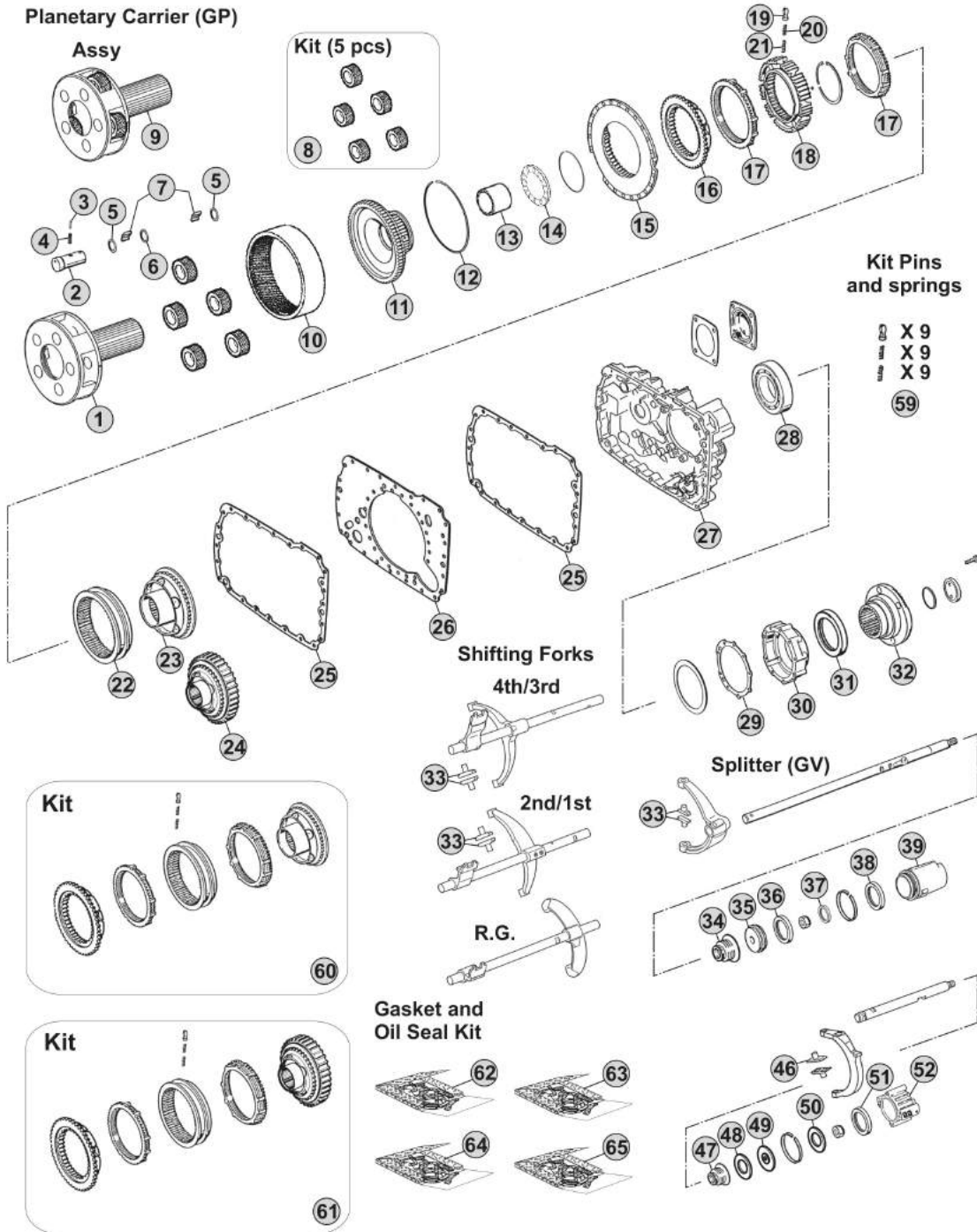
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2525 (1343 xxx xxx)



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Notes

16S2525 R. 13,80-0,84

MODELS:

- NEW ECOSPLIT III

VERSIONS:

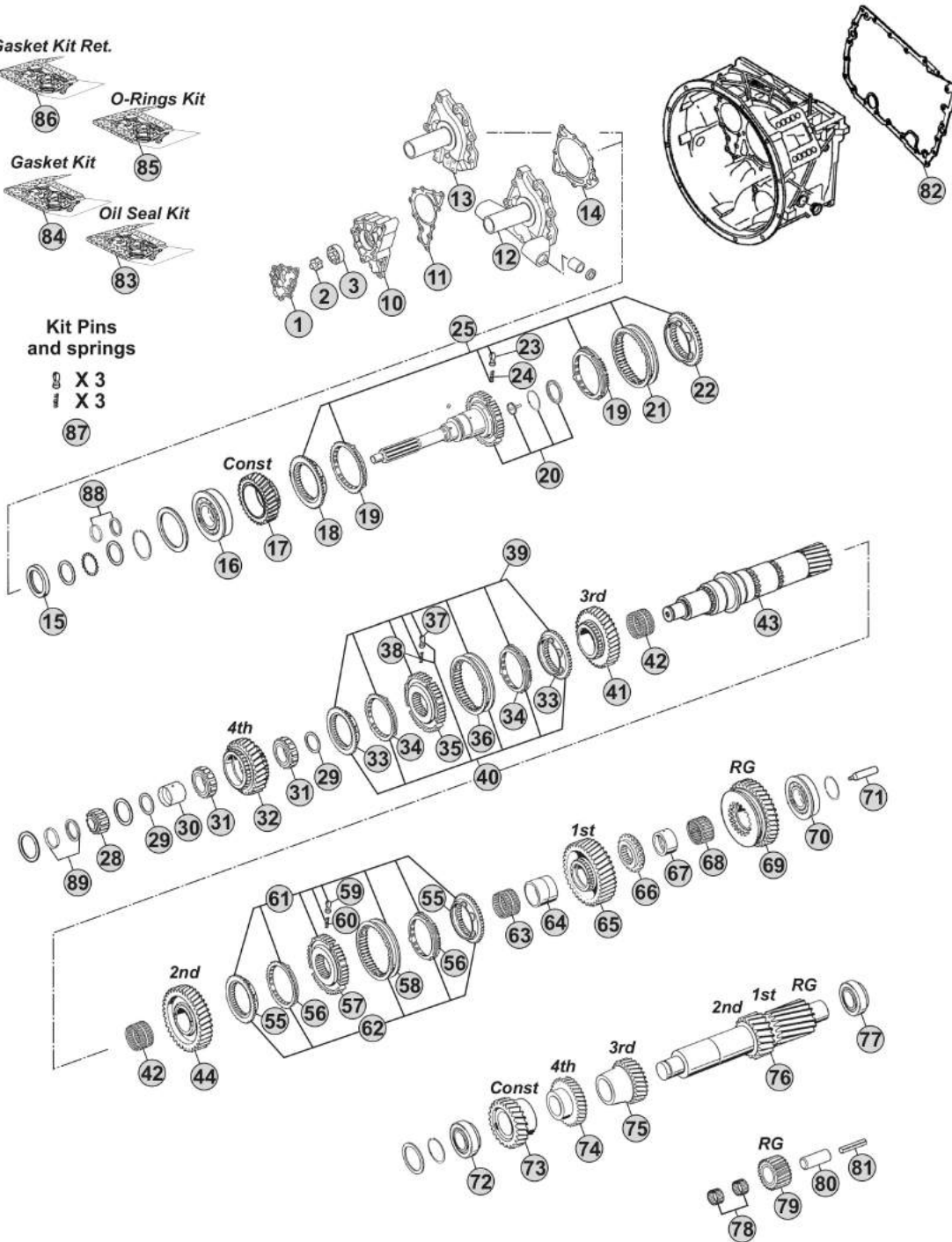
- 16S2723 (1345 xxx xxx)

Gasket Kit Ret.



Kit Pins and springs

- ⊗ X 3
 - ⊕ X 3
- 87



Notes

16S2723 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2723			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft	1		●			
20	190.417	1316 202 038	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
29	169.776	0750 101 158	Thrust Washer 81,5x5	2		●			
30	117.320	0750 119 124	Bush 67x77x66,10	1		●			
31	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
32	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
33	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
33	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
33	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
34	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
34	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
34	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			

Date

02/2015

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

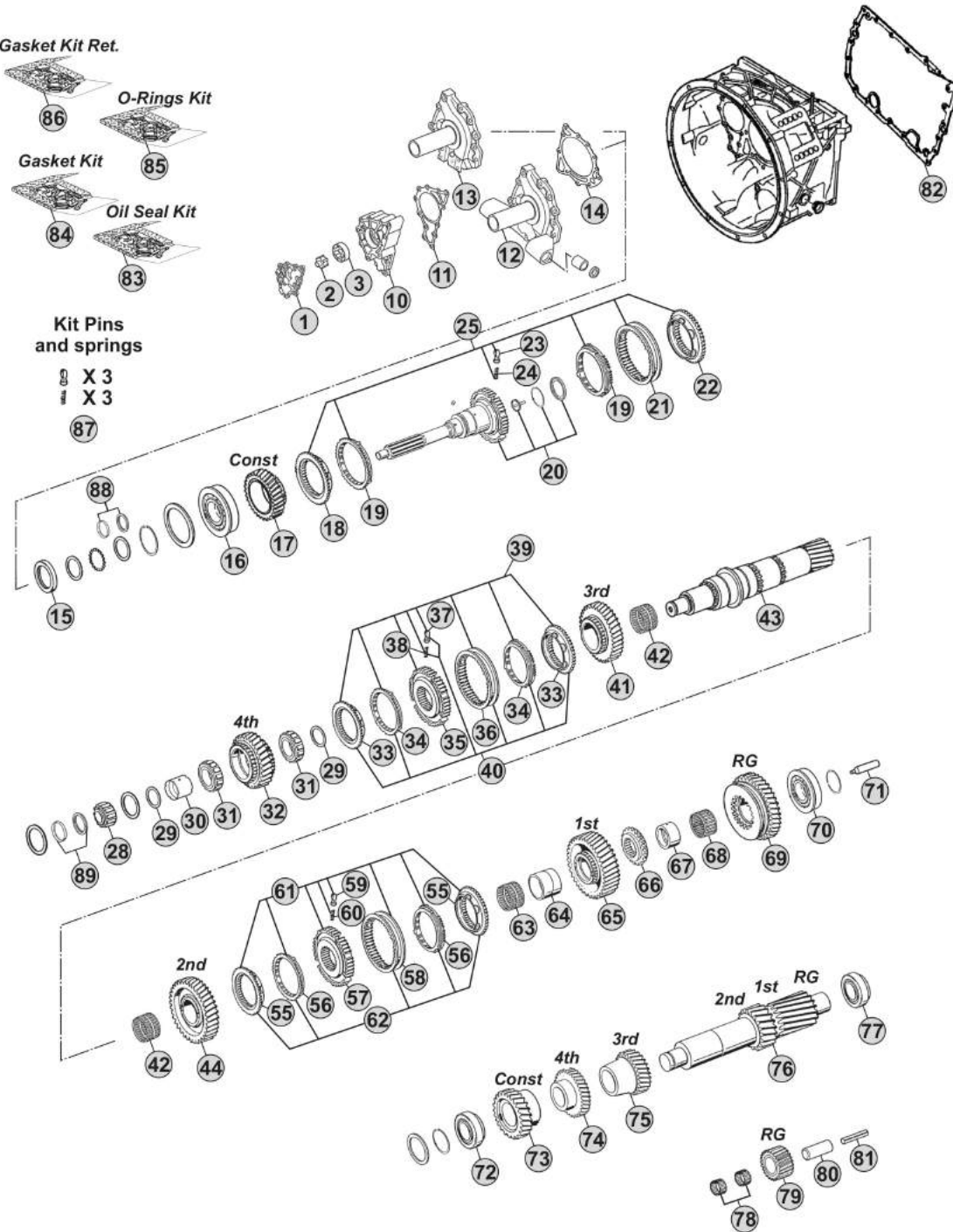
- 16S2723 (1345 xxx xxx)

Gasket Kit Ret.



Kit Pins and springs

- ⊗ X 3
 - ⊕ X 3
- (87)



Notes

16S2723 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2723				
36	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
36	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
37	160.189	1297 304 436	Pressure Piece	3		●				
38	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
39	298.021	1315 298 061	Synchro Kit	1	(21)	●				
40	298.291	1315 298 067	Synchro Kit	1	(21)	●				
40	298.288	1325 298 008	Synchro Kit	1	(22)	●				
40	196.442	1316 298 037	Synchro Kit	1	(23)	●				
41	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●				
42	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
43	103.143	1316 304 131	Main Shaft	1		●				
44	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
58	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
58	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
59	160.189	1297 304 436	Pressure Piece	3		●				
60	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
61	298.020	1315 298 060	Synchro Kit	1	(32)	●				
62	298.286	1315 298 066	Synchro Kit	1	(32)	●				
62	298.287	1325 298 007	Synchro Kit	1	(33)	●				
62	196.440	1316 298 036	Synchro Kit	1	(34)	●				
63	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
64	117.310	1312 304 084	Bush 85x96x72	1		●				
65	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
66	109.163	1312 304 124	Engaging Ring	1		●				
67	117.311	1316 304 133	Bush 80x90x50	1		●				
68	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
69	147.128	1316 304 012	Reverse Gear 44 T	1		●				
70	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
71		1316 304 093	Oil Tube	1		●				
72	130.519	0735 371 604	Bearing 49,2x103,1x43,6	1		●				
73	146.780	1316 303 071	Constant Gear 32 D	1		●				
74	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
75	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●				
76	105.123	1316 303 038	Countershaft 17/20 T	1		●				
77	130.519	0735 371 604	Bearing 49,2x103,1x43,6	1		●				
78	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
79	147.127	1316 305 001	Reverse Gear 22 T	1		●				

Date

02/2015

Notes

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

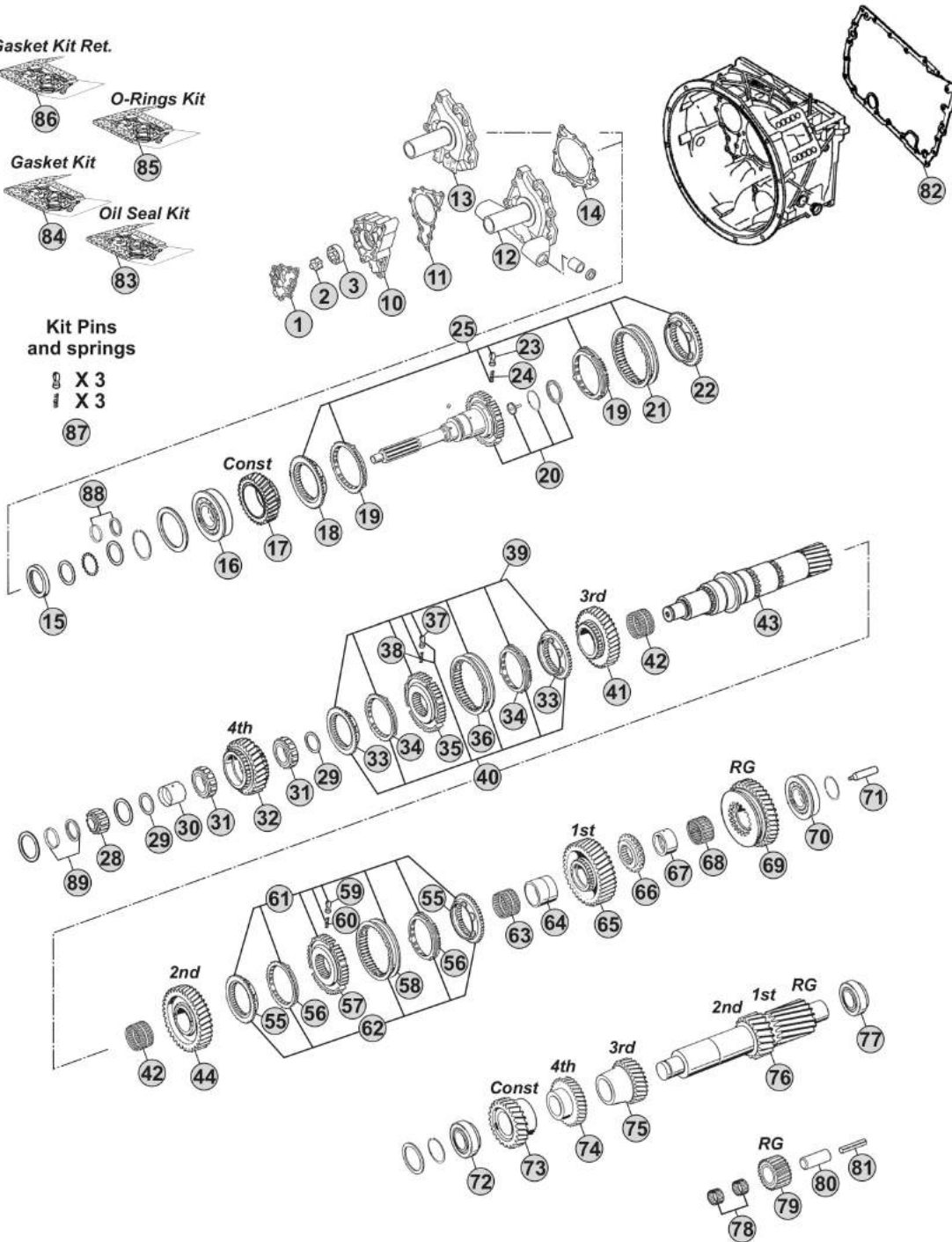
- 16S2723 (1345 xxx xxx)

Gasket Kit Ret.



Kit Pins and springs

- ⊗ X 3
 - ⊕ X 3
- (87)



Notes

16S2723 R. 13,80-0,84

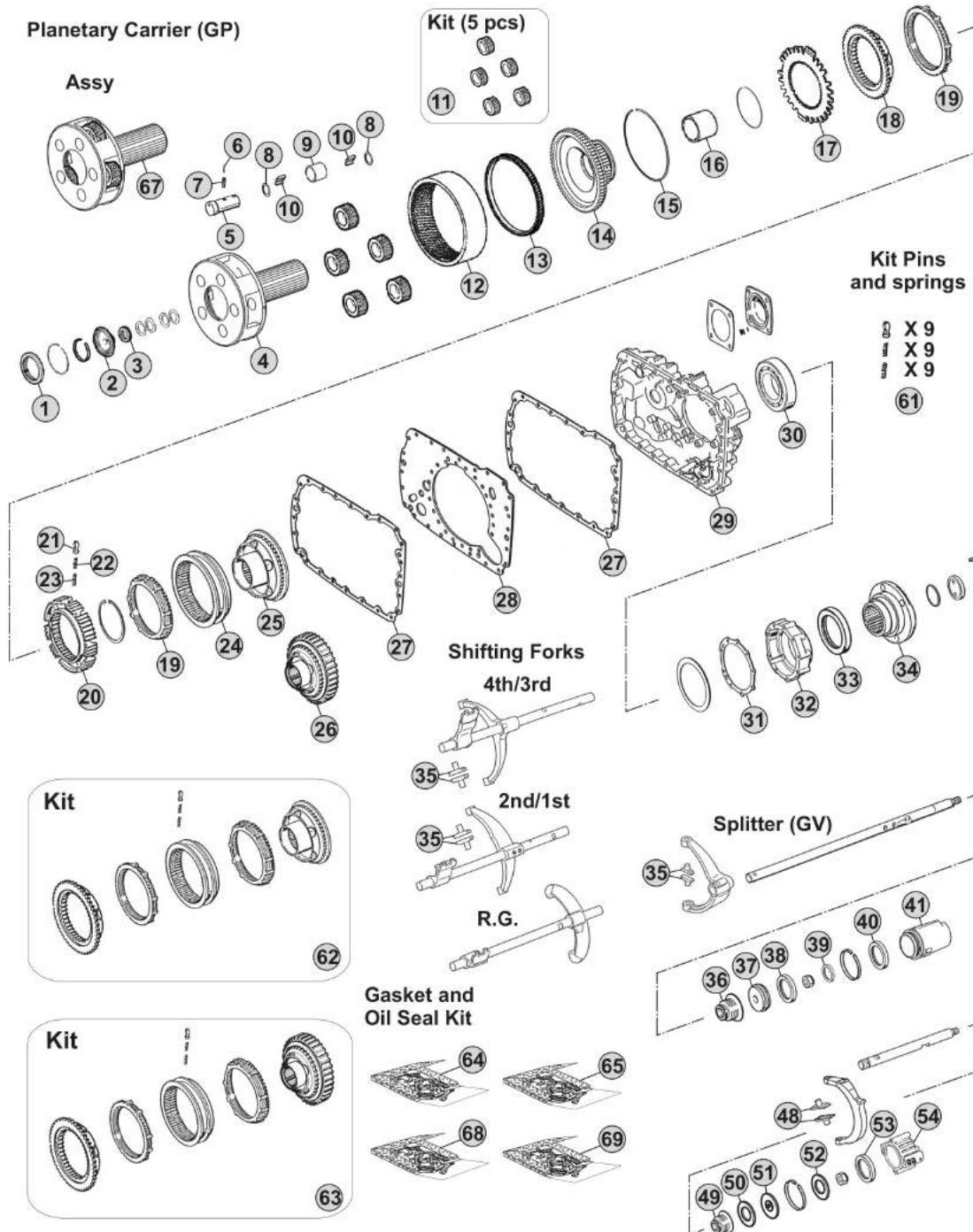
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2723 (1345 xxx xxx)



Notes

16S2723 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S2723			
1	269.791	1316 332 068	Thrust Disk	1		●			
2	128.326	1316 332 069	Cover	1		●			
3	130.415	0635 360 007	Needle Cage	1		●			
4	190.515	1316 232 021	Planetary Carrier	1	(70)	●			
4	190.514	1316 232 040	Planetary Carrier	1	(71)	●			
5	107.268	1316 332 097	Planet Shaft	5	(70)	●			
5	107.263	1316 332 141	Planetary pin	5	(71)	●			
6	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
6	160.288	0631 329 261	Pin 3,8x26	5	(71)	●			
7	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
7	160.287	0631 329 147	Pin 6,3X26	5	(71)	●			
8	269.009	0730 109 323	Spacer Ring	10		●			
9	117.497	0730 162 801	Bush T.14,90	5		●			
10	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
11	298.908	1316 232 017	Planetary Gear Set (5 pcs)	1		●			
12	123.328	1316 332 042	Crown Gear 82 T	1		●			
13	123.329	1316 332 044	Follower Ring 82 T	1		●			
14	150.267	1316 332 073	Carrier Hub 82 T	1		●			
15	111.427	0730 513 639	Locking Wire	1		●			
16	119.256	1316 333 014	Intermediate Ring	1		●			
17	135.228	1316 333 026	Saddle Plate	1		●			
18	109.174	1296 333 050	Synchronizer Cone	1		●			
19	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
19	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
20	157.182	1313 333 001	Synchronizer Hub	1		●			
21	160.116	1240 304 278	Pressure Piece	9		●			
22	156.036	0732 040 386	Inner Spring De.3x34	9		●			
23	156.037	0732 040 385	Outer Spring De.6x34	9		●			
24	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
24	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
25	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
25	109.774	1316 233 029	Synchronizer Cone (44 Spl.)	1	(61)	●			
26	196.270	1316 233 014	Synchronizer Cone 59 T(44 Spl)	1	(60) With Retarder	●			
26	109.773	1316 233 028	Synchronizer Cone 59 T(44 Spl.)	1	(61) With Retarder	●			
27	139.643	1316 301 042	Gasket	2	W/out Retarder	●			
27	139.547	1316 301 053	Intarder Gasket	2	With Retarder	●			
28	135.266	1316 301 051	Saddle plate	1		●			
29	175.242	1315 301 223	Housing	1	W/out Retarder	●			
29	175.422	6085 201 079	Housing	1	With Retarder	●			
30	130.245	0750 116 394	Bearing 90x160x30	1		●			
31	139.644	1315 331 001	Gasket	1	W/out Retarder	●			
32	175.421	1315 231 004	Cover	1	W/out Retarder	●			
33	139.878	0750 111 341	Oil Seal 105x130x12	1		●			

 NEW ECOSPLIT III
16S2723
Date

02/2015

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

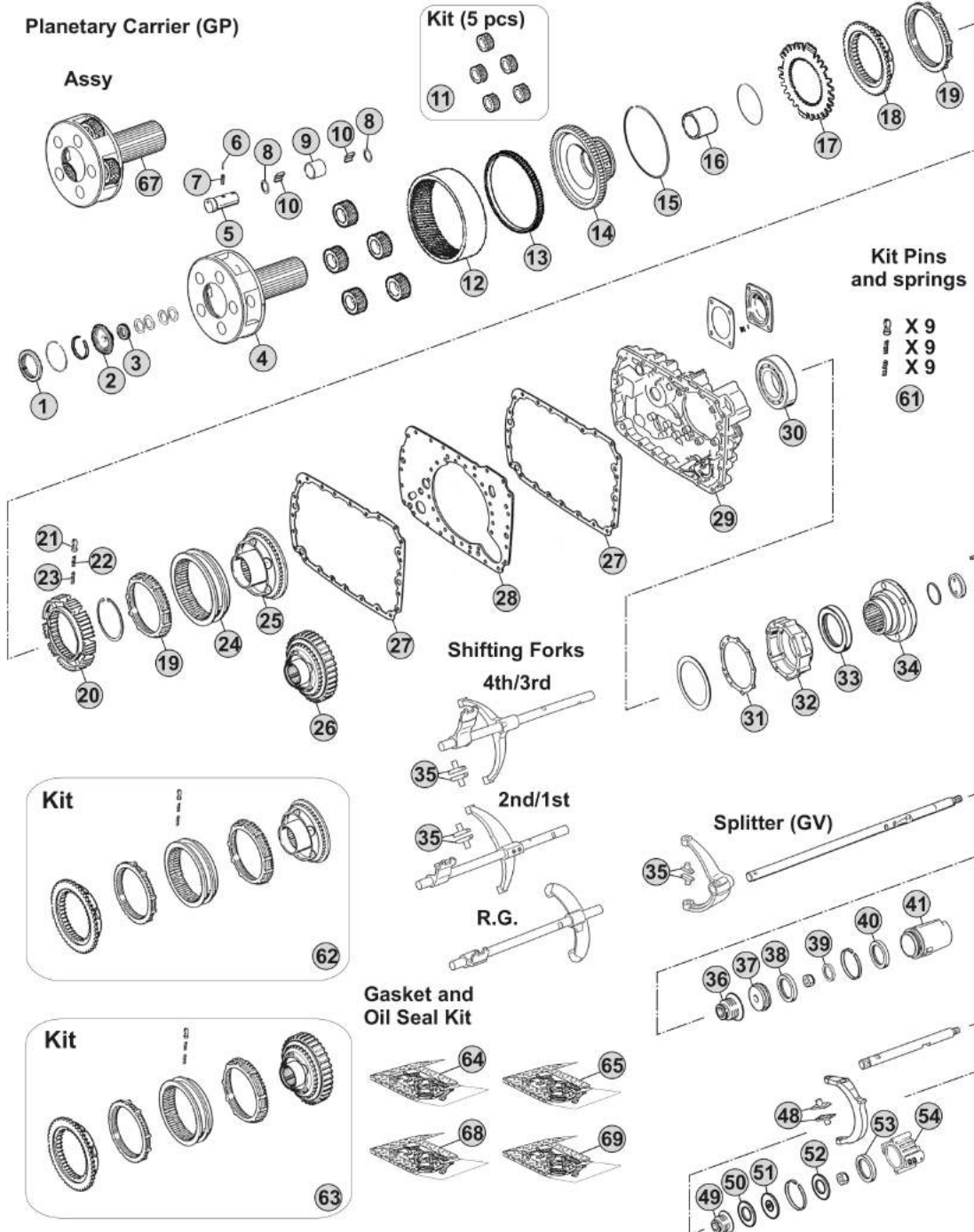
(61) Only for new version

MODELS:

- NEW ECOSPLIT III

VERSIONS:

- 16S2723 (1345 xxx xxx)



Notes

16S2723 R. 13,80-0,84

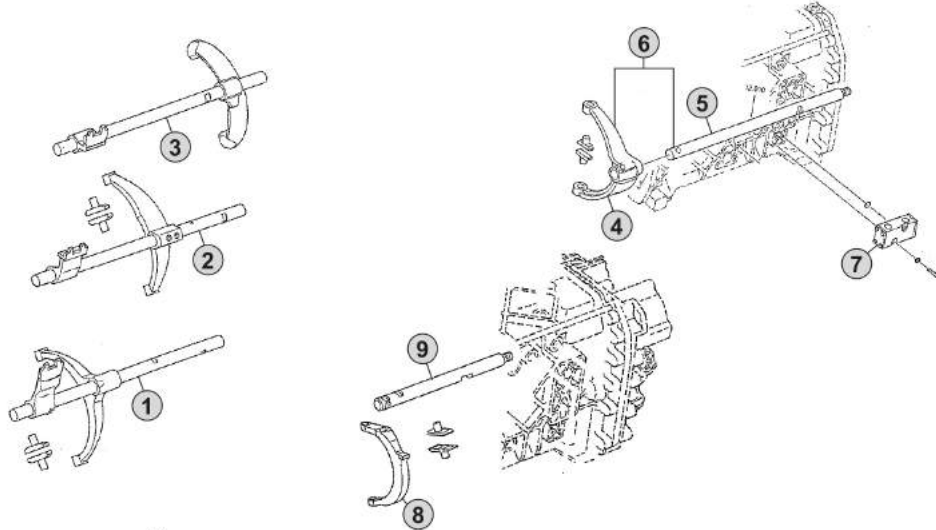
MODELS:

- NEW ECOSPLIT III

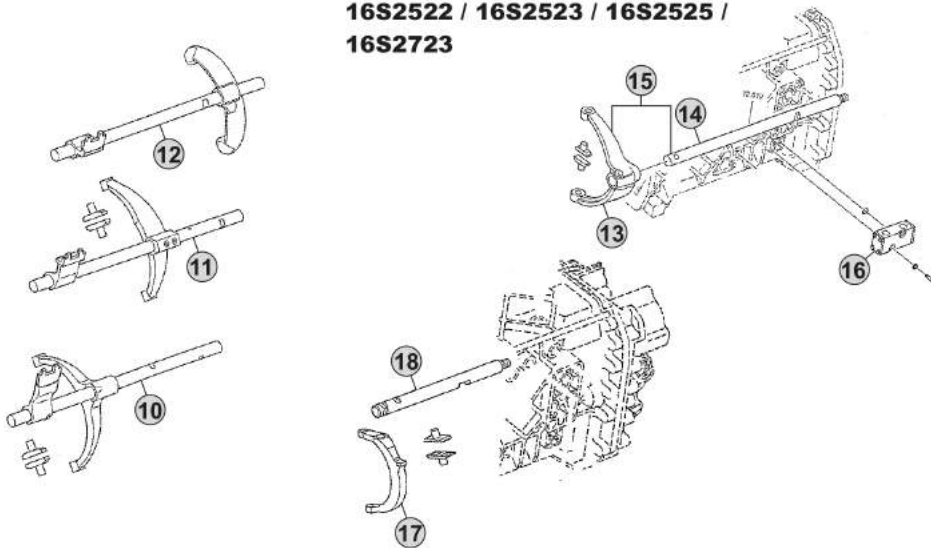
VERSIONS:

- Forks

(1315 xxx xxx) Models: 8S162 / 16S162 / 8S182 / 16S182 / 8S1620 / 16S1620 / 8S1621 / 16S1621 / 16S1625 / 8S1820 / 16S1820 / 8S1821 / 8S1822 / 8S1823 / 16S1823 / 16S1825



(1316 xxx xxx) Models: 16S192 / 16S222 / 16S232 / 16S252 / 16S1920 / 16S1921 / 16S1922 / 16S1923 / 16S1925 / 16S2020 / 16S2023 / 16S2220 / 16S2221 / 16S2222 / 16S2223 / 16S2225 / 16S2320 / 16S2321 / 16S2322 / 16S2323 / 16S2325 / 16S2520 / 16S2521 / 16S2522 / 16S2523 / 16S2525 / 16S2723



Notes

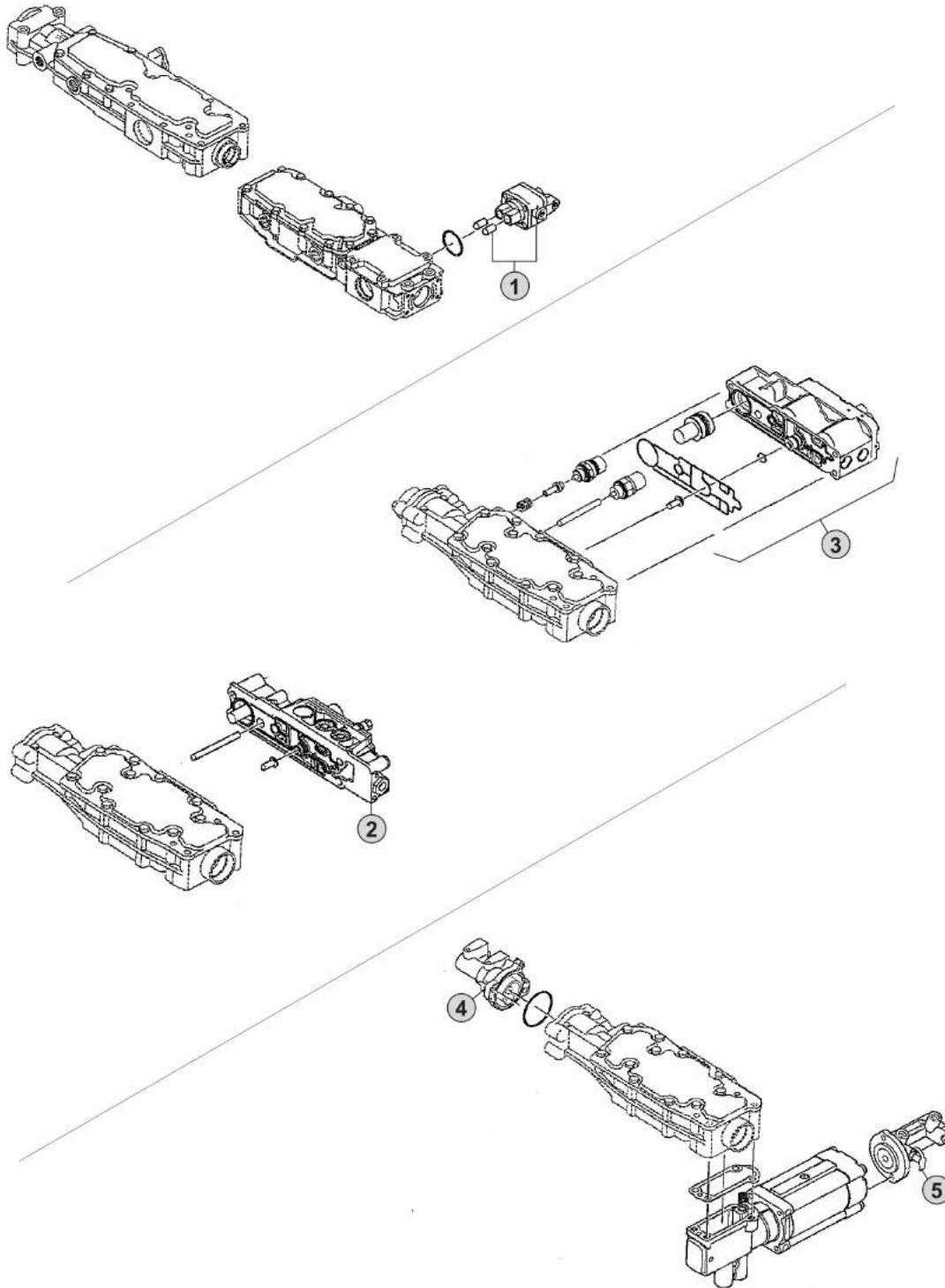
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MODELS:

- NEW ECOSPLIT III

VERSIONS:

- Valves



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Notes

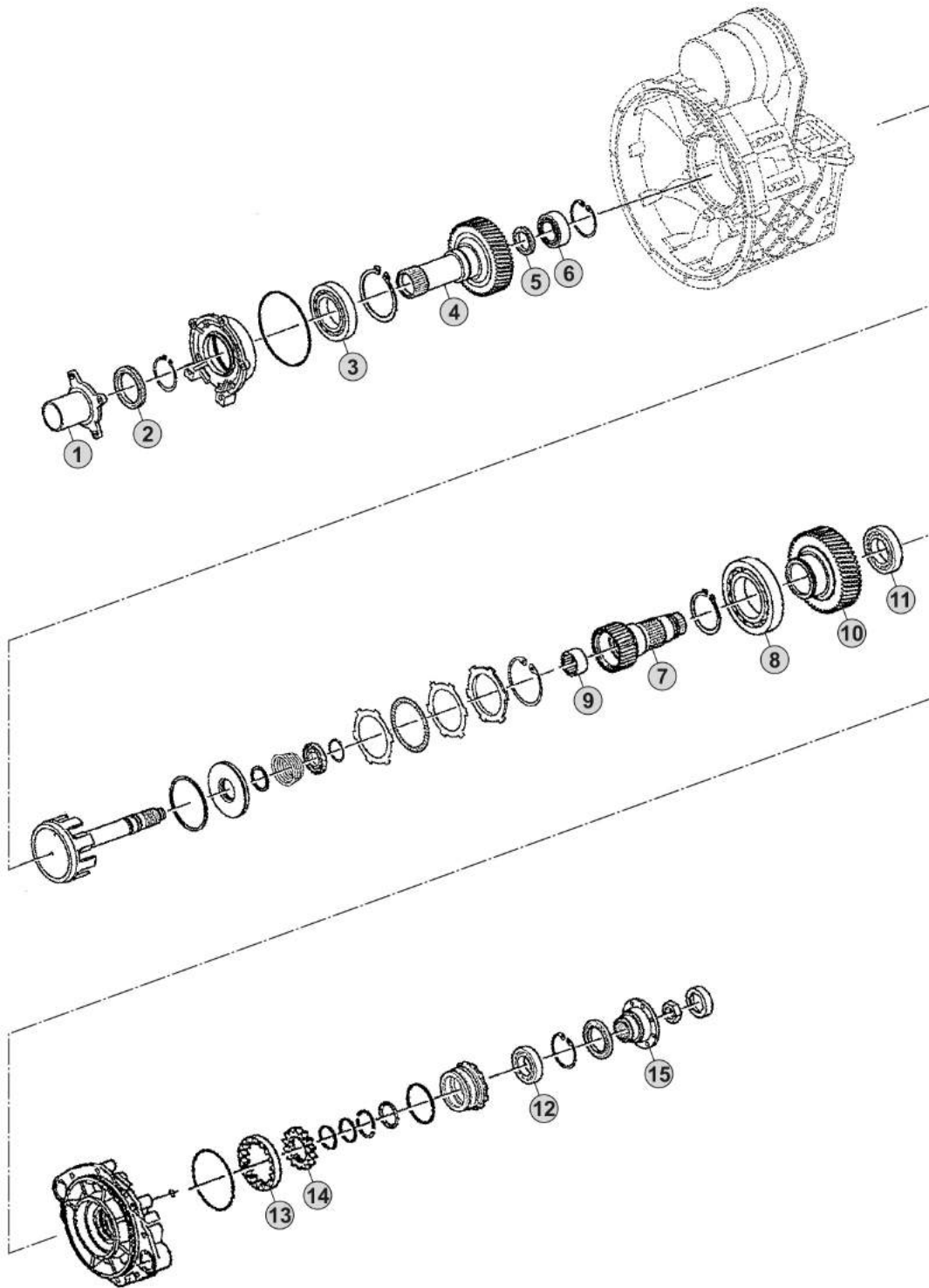


MODELS:

- NEW ECOSPLIT III

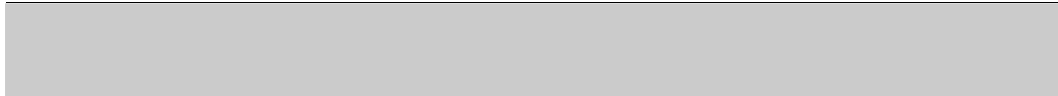
VERSIONS:

- Clutch PTO NMV



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Notes

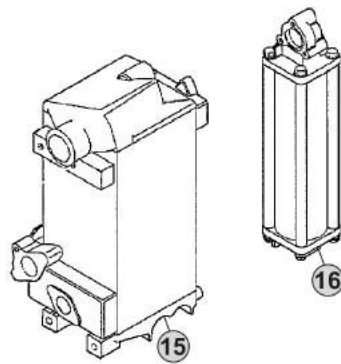
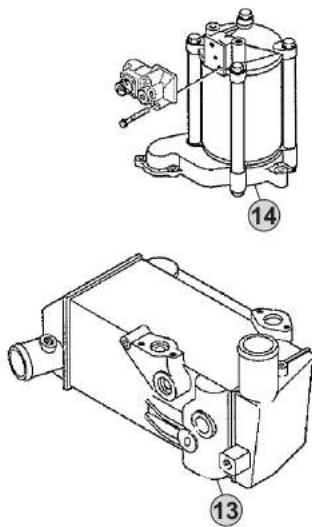
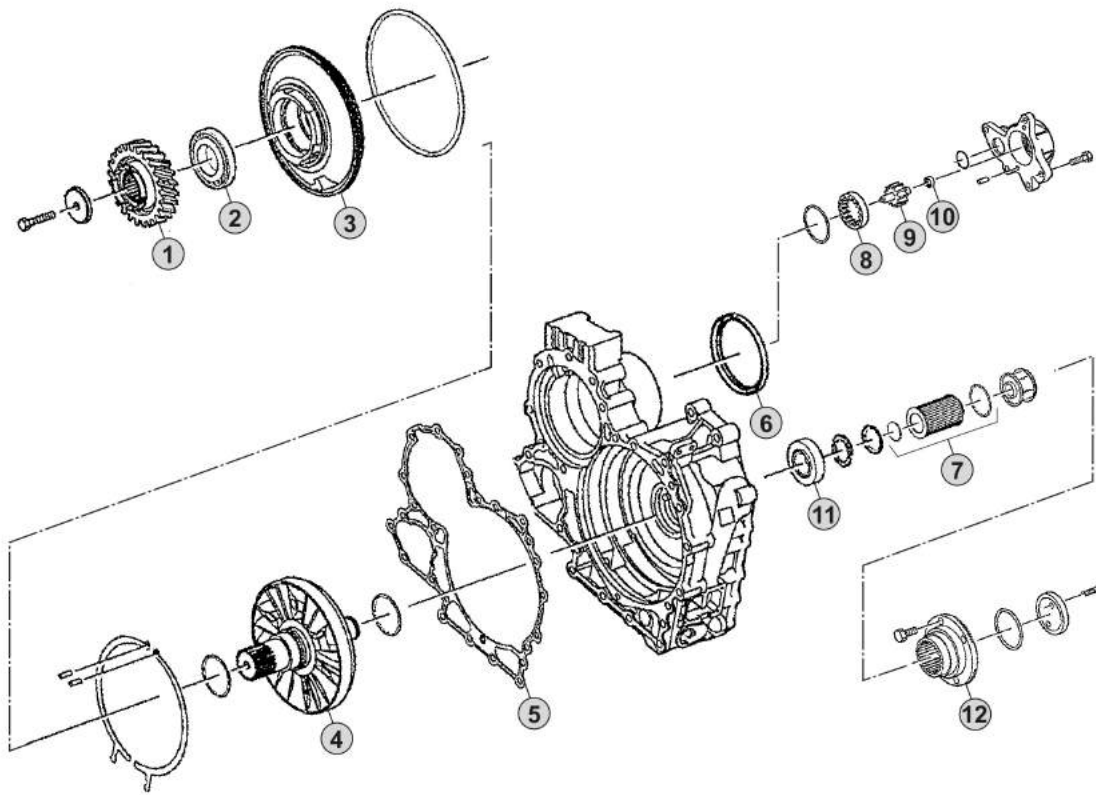


MODELS:

- NEW ECOSPLIT III

VERSIONS:

- Retarder



Notes

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