

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



QUALITY

The quality of CEI products is the result of experience and constant investments which raise the technological level of the manufacturing process in all departments: Design, Testing and Quality Control by use of most sophisticated control and analysis instruments present on the market.

CEI has been found to comply with the requirements of (TUV and GOST-R). As well, CEI has obtain the status of Authorized Exporter in compliance with FTA requirements.



QUALITÀ

La qualità del prodotto CEI è il frutto dell'esperienza e di continui investimenti, che, oltre ad elevare il livello tecnologico dei processi di produzione hanno interessato tutti i reparti di progettazione, collaudo e controllo qualità per i quali sono stati adottati i più avanzati strumenti di misura e di analisi presenti sul mercato.

Rispondiamo ai requisiti richiesti dai principali organi di certificazione (TÜV e GOST-R), per i quali riceviamo puntualmente i certificati di conformità. Rispettiamo inoltre le disposizioni della normativa FTA.



QUALITÉ

La qualité des produits CEI est le fruit de l'expérience et des investissements en continue, qui ont élevé notre niveau technologique dans tous les procès de fabrication et ont intéressé tous les bureaux de projet, essai et control de qualité pour lesquels on a installé les instruments de mesure et analyse les plus avancés présents sur le marché.

Nous sommes homologuées (TÜV e GOST-R), et nous recevons avec ponctualité les certificats de conformité. Nous respectons aussi les normes FTA.



CALIDAD

La calidad del producto CEI llega de la experiencia y de inversiones continuas, las cuales, además de elevar el nivel tecnológico de los procesos de producción, han interesado todos los departamentos de planificación, verificación y control de calidad, los cuales utilizan los más avanzados instrumentos de medida y de analysis en el mercado.

Cumplimos con las características requeridas para los mayores entes de certificación (TÜV y GOST-R), de los cuales recibimos puntualmente los certificados de conformidad. Además, cumplimos con las normas FTA.

ZERTIFIKAT ◆ CERTIFICATE ◆ 認 證 證 書 ◆ CERTIFICADO ◆ CERTIFICAT



CERTIFICATO

Nr 50 100 3413 - Rev. 03

Si attesta che / This is to certify that

IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF



C.E.I.

Costruzione Emiliana Ingranaggi S.p.A.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:

VIA EMILIA 239
I-40011 ANZOLA DELL' EMILIA (BO)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF

UNI EN ISO 9001:2008

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

Progettazione, fabbricazione e assemblaggi di parti ed accessori di ricambio
per veicoli industriali (IAF 22a, 18)

Design, manufacture and assembling of spare parts and accessories for
industrial vehicles (IAF 22a, 18)

<p style="margin: 0; font-weight: bold;">ACCREDIA</p> <p style="margin: 0; font-size: x-small;">Per l'Organismo di Certificazione For the Certification Body TÜV Italia S.r.l.</p> <p style="margin: 0; font-size: x-small;">SOG N° 048A SEI N° 005G PRD N° 0818 SQA N° 019D ITA N° 001L IAF N° 057E SCR N° 009E PRS N° 077C LAB N° 007S</p> <p style="margin: 0; font-size: x-small;">Membro degli Accordi di Mutuo Riconoscimento EA, IAF e IAC</p> <p style="margin: 0; font-size: x-small;">Signatory of EA, IAF and IAC Mutual Recognition Agreements</p>	<p style="margin: 0; font-size: x-small;">Validità / Validity</p> <p style="margin: 0; font-size: x-small;">Dal / From: 2012-10-10</p> <p style="margin: 0; font-size: x-small;">Al / To: 2015-10-10</p> <p style="margin: 0; font-size: x-small;">Data emissione / Printing Date</p> <p style="margin: 0; font-size: x-small;">2012-10-24</p>
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PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2003-10-21

LA VALIDITÀ DEL PRESENTE CERTIFICATO È SUBORDINATA A SORVEGLIANZA PERIODICA A 12 MESI E AL RIESAME COMPLETO DEL SISTEMA DI GESTIONE AZIENDALE CON PERIODICITÀ TRIENNALE

THE VALIDITY OF THE PRESENT CERTIFICATE DEPENDS ON THE ANNUAL SURVEILLANCE EVERY 12 MONTHS AND ON THE COMPLETE REVIEW OF COMPANY'S MANAGEMENT SYSTEM AFTER THREE-YEARS

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**
Ecosplit I-II-III models

2014
2015

n° 195/1

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:

ECOSPLIT I-II

Versions:

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16K130 (1295 xxx xxx) Pag.24 - **16S130** (1295 xxx xxx) Pag.34 - **16S130/1** (1295 xxx xxx) Pag.46
16S150 (1313 xxx xxx) Pag.56
16K160 (1297 xxx xxx) Pag.68 - **16S160** (1297 xxx xxx) Pag.78
16S160/A (1297 xxx xxx) Pag.88 - **16S160/1** (1297 xxx xxx) Pag.100
16K190 (1297 xxx xxx) Pag.110 - **16S190** (1297 xxx xxx) Pag.118
16S190/A (1297 xxx xxx) Pag.130 - **16S190/1** (1297 xxx xxx) Pag.142 - **16S190/A-1** (1297 xxx xxx) Pag.152
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Models:

ECOSPLIT III

Versions:

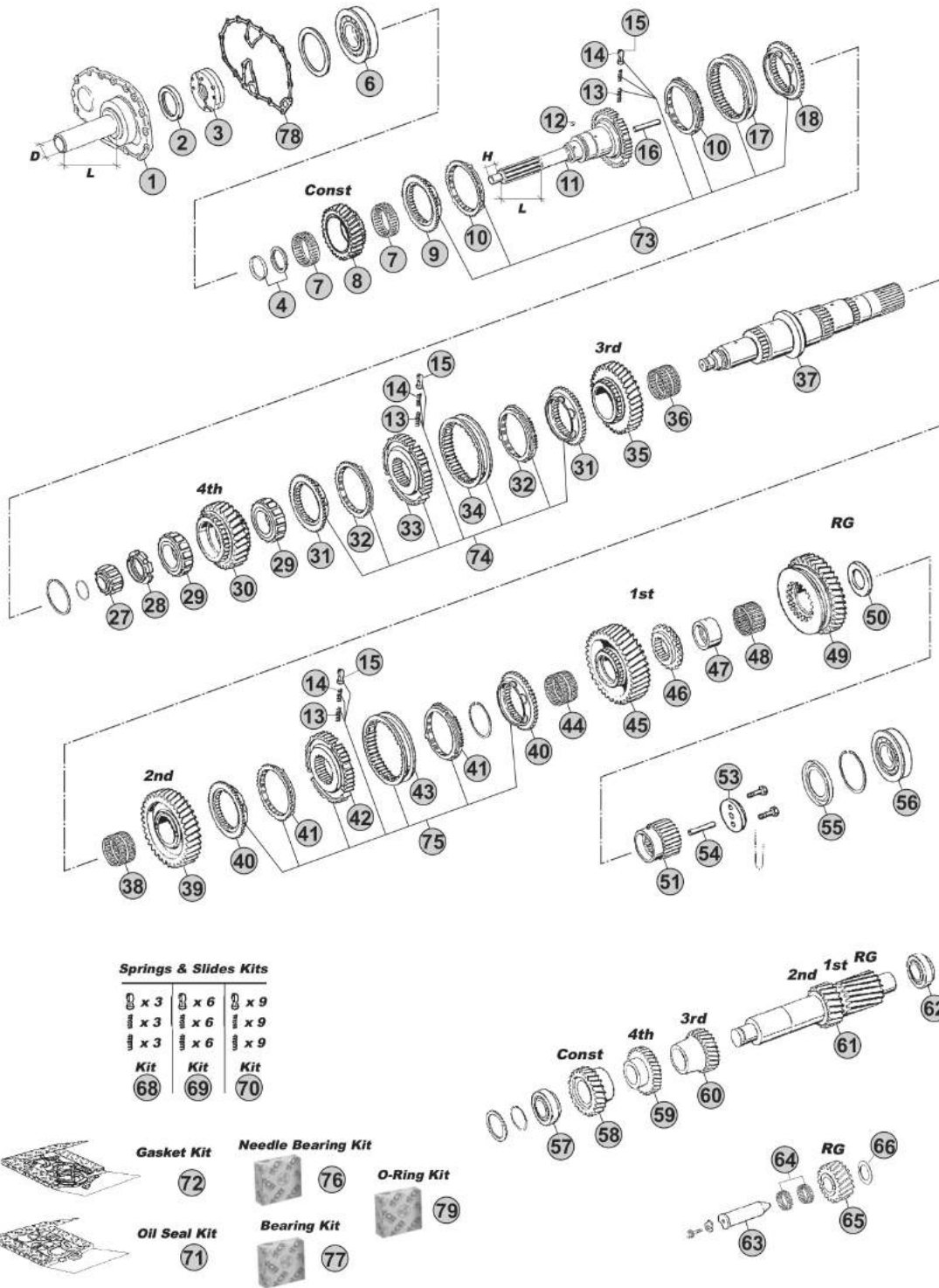
8S151 (1315 xxx xxx) (**GP Straight Teeth**) Pag.186 - **8S151** (1315 xxx xxx) (**GP Helical Teeth**) Pag.196
16S151 (1315 xxx xxx) (**GP Straight Teeth**) Pag.206 - **16S151** (1315 xxx xxx) (**GP Helical Teeth**) Pag.220
16S181 (1316 xxx xxx) Pag.232 - **16S182** (1316 xxx xxx) Pag.244
16S221 (1316 xxx xxx) (**GP Straight Teeth**) Pag.254 - **16S221** (1316 xxx xxx) (**GP Helical Teeth**) Pag.268
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MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S112 (1296 xxx xxx)



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Notes

(B) R. 11,46-0,85

(C) R. 13,68-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165112				
1	128.339	1297 302 011	Front Cover	1	(10)	●				
1	135.231	1297 302 012	Front Cover	1	(11) L=170 D=54	●				
1	128.337	1297 302 013	Front Cover	1	(12)	●				
2	139.937	0750 111 002	Oil Seal 48x75x8	1		●				
2	239.003	0634 100 182	Oil Seal	1	(13)	●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●				
6	130.517	0750 118 007	Bearing 75x150x31,5 mm	1	(20)	●				
7	137.139	0735 320 799	Needle Cage 88x96x23	2		●				
7	137.163	0735 358 155	Needle Cage	2	(20)	●				
8	145.535	1296 302 002	Constant Gear 30 T	1	B	●				
8	145.447	1296 302 003	Constant Gear 28 T	1	C	●				
8	145.448	1296 302 023	Constant Gear 28 T	1	(20) C	●				
9	109.072	1295 304 278	Synchronizer Cone	1		●				
9	109.083	1295 304 165	Synchronizer Cone	1	(20)	●				
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
11	102.222	1296 202 001	Input Shaft	1	L=115 H=32	●				
11	102.576	1296 221 001	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.577	1296 221 002	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.248	1296 202 004	Input Shaft	1	(20) L=115 H=32	●				
11	102.229	1296 202 006	Input Shaft	1		●				
11	102.578	1296 202 010	Input Shaft	1		●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.037	0732 040 385	Outer Spring De.6x34	3	3x3 pcs.	●				
14	156.036	0732 040 386	Inner Spring De.3x34	3	3x3 pcs.	●				
15	160.116	1240 304 278	Pressure Piece	3	3x3 pcs.	●				
16	188.211	0730 062 323	Oil Plug	1		●				
17	154.097	1295 304 002	Sliding Sleeve	1		●				
18	109.072	1295 304 278	Synchronizer Cone	1		●				
27	137.081	0750 118 010	Roller Cage D.30x60x25,50	1		●				
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
29	137.155	0750 118 012	Roller Cage D.63x97,5x31,7	2		●				
30	146.448	1296 304 091	Gear 4th Speed 28 T	1	B	●				
30	146.362	1296 304 090	Gear 4th Speed 30 T	1	C	●				
31	109.072	1295 304 278	Synchronizer Cone	2		●				
32	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
32	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
33	157.110	1297 304 031	Synchronizer Hub	1		●				
34	154.097	1295 304 002	Sliding Sleeve	1		●				

Date

09/2014

Notes

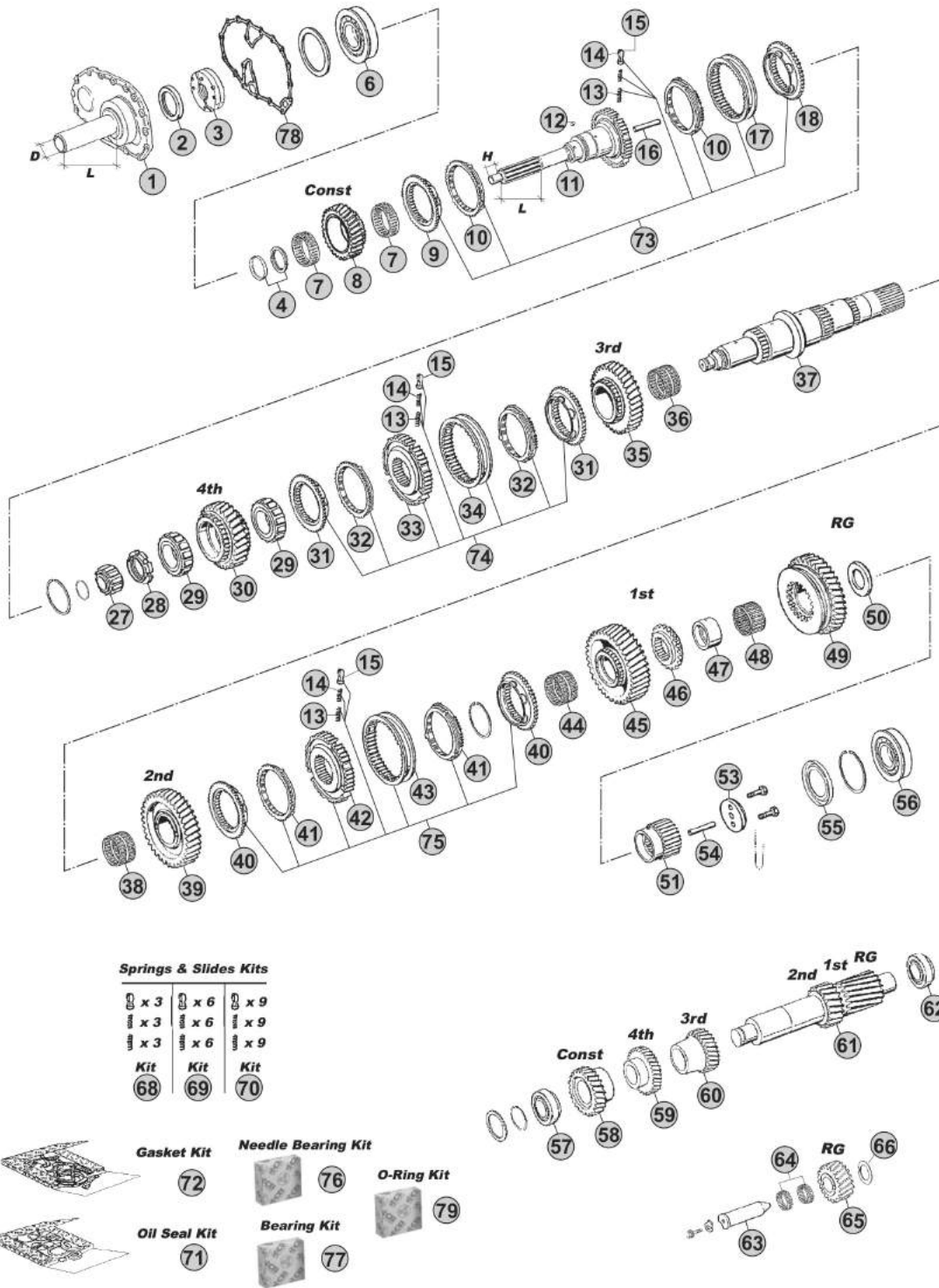
- (10) For Input shaft 1296 202 006
 (11) For Input shaft 1296 202 001
 (12) For Input shaft 1296 221 001; 1296 221 002
 (13) ONLY FOR INPUT SHAFT 1295 221 001/003 - 1296 221 001/002 - 1297 221 005/006/009
 (20) SPECIAL MB VERSION. USE ITEMS MARKED (4) TOGETHER

MODELS:

- ECOSPLIT I-II

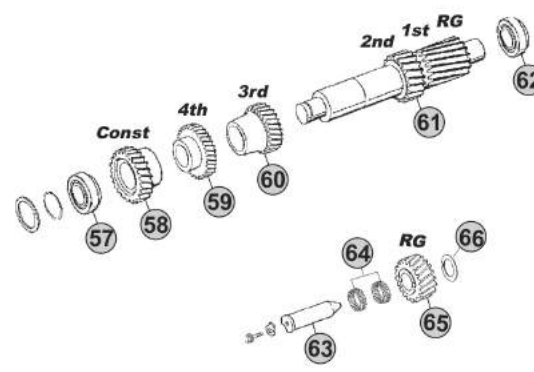
VERSIONS:

- 16S112 (1296 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit (68)	Kit (69)	Kit (70)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165112				
35	145.536	1296 304 088	Gear 3rd Speed 32 T	1	B	●				
35	145.494	1296 304 087	Gear 3rd Speed 34 T	1	C	●				
36	137.158	0735 320 460	Needle Cage D.82x90x46	1		●				
37	103.131	1296 304 119	Main Shaft	1		●				
38	137.407	0735 320 549	Needle Cage D.82x90x42	1		●				
39	145.537	1296 304 071	Gear 2nd Speed 37 T	1	B	●				
39	145.499	1296 304 070	Gear 2nd Speed 38 T	1	C	●				
40	109.074	1297 304 196	Synchronizer Cone	2		●				
40	109.072	1295 304 278	Synchronizer Cone	2	(30)	●				
41	119.125	1296 304 135	Synchronizer Ring	2	Z 54 - Alt. use 119.086	●				
41	119.086	1246 304 278	Synchronizer Ring	2	Z 42 - Alt. use 119.125	●				
41	119.084	1295 304 004	Synchronizer Ring	2	(30) Old Type	●				
41	119.175	1304 304 686	Synchronizer Ring	2	(30) New Type	●				
42	157.111	1297 304 195	Synchronizer Hub	1		●				
42	157.110	1297 304 031	Synchronizer Hub	1	(30)	●				
43	154.051	1257 304 020	Sliding Sleeve	1		●				
43	154.097	1295 304 002	Sliding Sleeve	1	(30)	●				
44	137.159	0735 320 548	Needle Cage 70x78x46	1		●				
45	145.538	1296 304 100	Gear 1st Speed 44 T	1	B	●				
45	145.505	1296 304 099	Gear 1st Speed 47 T	1	C	●				
46	109.075	1295 304 206	Synchronizer Cone	1		●				
47	117.203	1295 304 012	Bush D.60x75x38	1		●				
48	137.086	0750 115 059	Needle Cage 75x83x40	1		●				
49	147.151	1296 304 098	Reverse Gear 39 T	1	B	●				
49	147.136	1296 304 097	Reverse Gear 38 T	1	C	●				
50	169.756	1296 304 117	Thrust Washer	1		●				
51	157.211	1295 304 247	Sun Gear 27 T	1		●				
53	188.076	1272 304 021	Stop Washer	1		●				
54	189.671	0730 061 842	Oil Tube	1		●				
55	139.922	1295 304 129	Oil Collector	1		●				
56	130.240	0750 118 153	Bearing 60x130x31	1		●				
57	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
58	146.449	1296 303 013	Constant Gear 31 T	1	B	●				
58	146.364	1296 303 014	Constant Gear 34 T	1	C	●				
59	146.450	1296 303 003	Gear 4th Speed 34 T	1	B	●				
59	146.363	1296 303 002	Gear 4th Speed 31 T	1	C	●				
60	146.451	1296 303 008	Gear 3rd Speed 28 T	1	B	●				
60	146.419	1296 303 009	Gear 3rd Speed 25 T	1	C	●				
61	105.117	1296 303 026	Countershaft 19/23 T	1	B	●				
61	105.104	1296 303 025	Countershaft 17/20 T	1	C	●				
62	130.307	0750 117 011	Bearing 50,8x104,7x39,6	1		●				
63	107.108	1295 305 056	Reverse Gear Pin	1		●				
64	137.007	0750 115 011	Needle Cage 45x53x21	2		●				

Date

09/2014

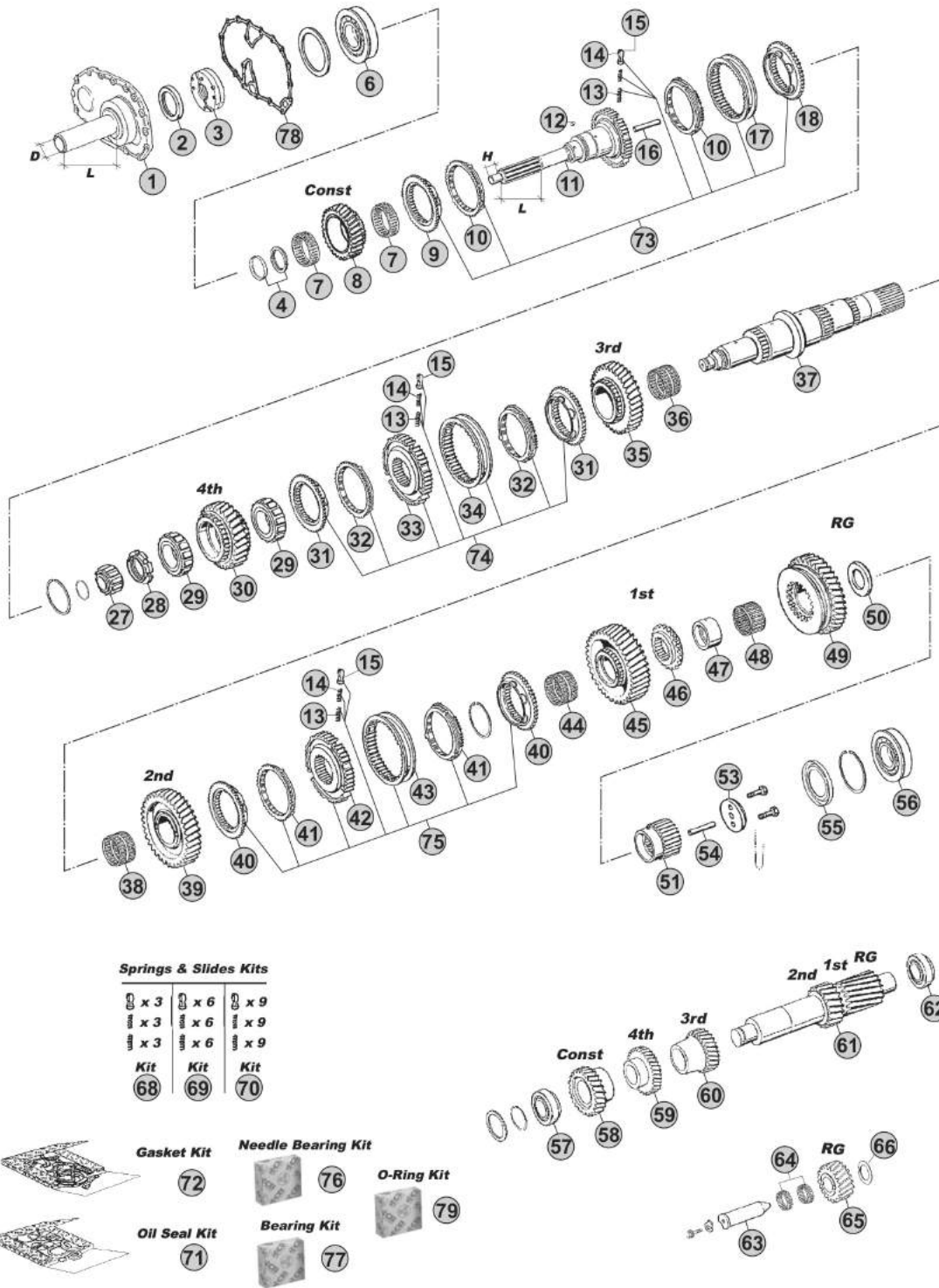
Notes
 (30) OLD TYPE. OLD SYNCHRO RING Ø 175,5 MM (Z 57 OR 30) -
 STANDARD SYNCHRO RING Ø 192 MM (Z 63 OR 54) USE ITEMS
 MARKED (6) TOGETHER

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S112 (1296 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
68	69	70



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00

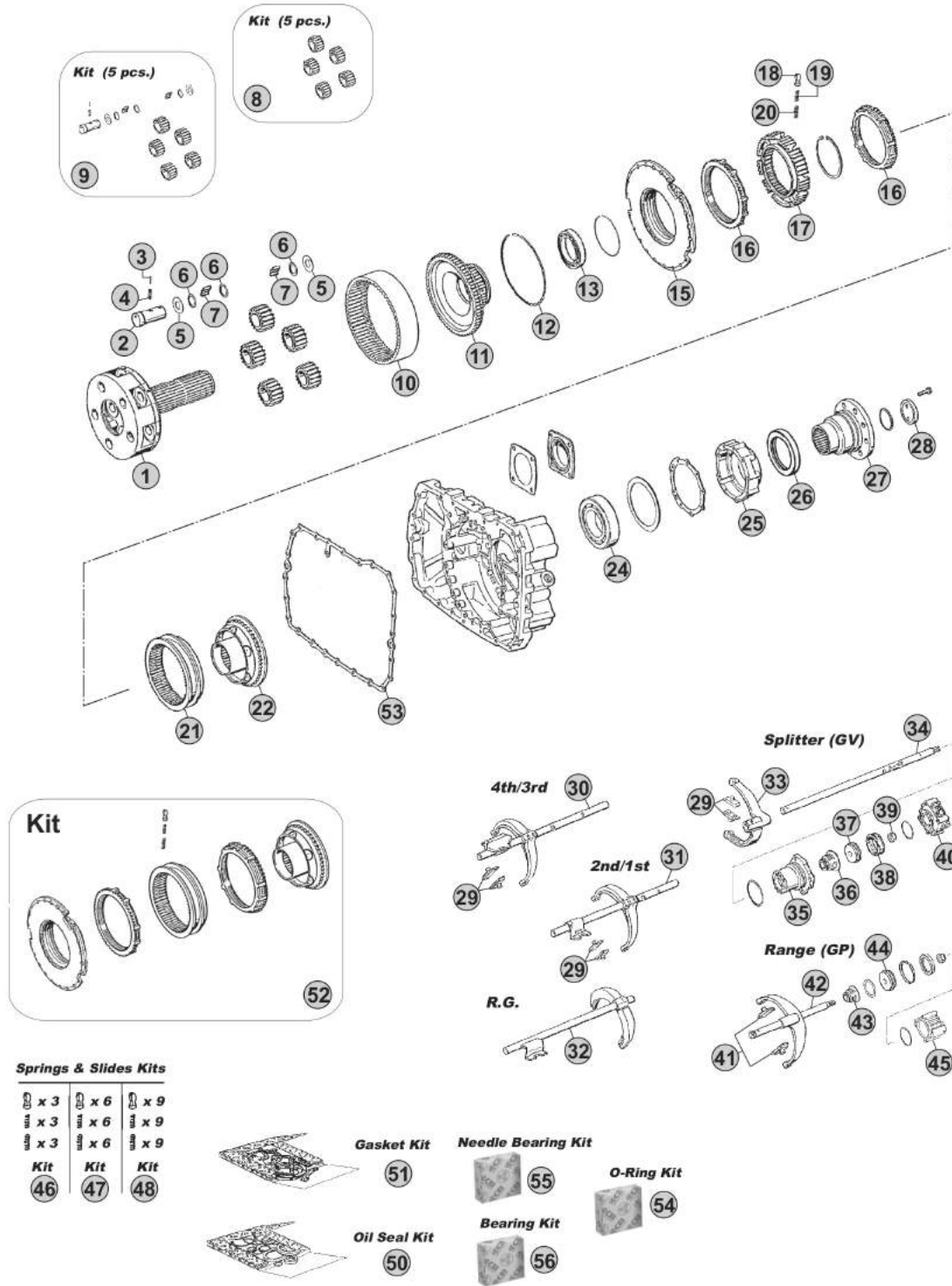
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S112 (1296 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S112			
1	190.169	1295 232 044	Planetary Carrier	1		●			
2	107.089	1269 332 036	Planetary Pin	5		●			
3	160.191	0631 329 017	Lock Pin 3x24	5		●			
4	160.192	0631 329 050	Lock Pin 5x24	5		●			
5	169.408	0501 305 887	Thrust Washer 29x57,5x1,5	10		●			
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●			
7	171.016	0735 470 057	Needle D.6x14,75 (180 pcs)	180		●			
8	198.357	1295 232 027	Planetary Gear Set (5 pcs)	1		●			
9	198.562	1296 298 904	Planetary Gear Set	1		●			
10	123.162	1295 332 053	Crown Gear 83 T	1		●			
11	150.112	1295 332 021	Carrier Hub 83 T	1		●			
12	111.129	0730 505 055	Locking Wire	1		●			
13	130.244	0750 116 166	Bearing 75x105x16	1		●			
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●			
22	198.359	1295 233 025	Synchronizer Cone (36 Spl.)	1		●			
24	130.245	0750 116 394	Bearing 90x160x30	1		●			
25	128.260	1296 301 067	Cover	1		●			
25	128.098	1315 301 220	Cover	1		●			
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
27	197.235	1295 238 003	Output Flange D.165 mm	1	D.165-8 H.	●			
27	197.161	1295 338 061	Output Flange D.180 mm	1	D.180-4 H.	●			
27	197.051	1295 338 014	Output Flange D.180 mm	1	D.180-10 H.	●			
27	197.168	1295 338 059	Output Flange D.180 mm	1	D.180-10 H.	●			
28	188.077	1295 332 051	Stop Washer	1		●			
28	188.250	1295 332 064	Stop Washer	1	Only with 1295 238 003	●			
29	141.068	1295 306 132	Bronze Slide	2	3x2 pcs.	●			
30		1296 206 064	Fork	1		●			
30		1296 206 061	Fork	1		●			
31		1296 206 063	Fork	1		●			
31		1296 206 062	Fork	1		●			
32		1296 206 077	Fork	1		●			
32		1296 206 078	Fork	1		●			
33	141.086	1313 312 002	Shift Yoke	1		●			
34	149.277	1296 312 001	Selector Rod	1		●			
35	132.046	1296 312 042	Cylinder	1		●			
36	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			

 ECOSPLIT I-II
16S112

Date

09/2014

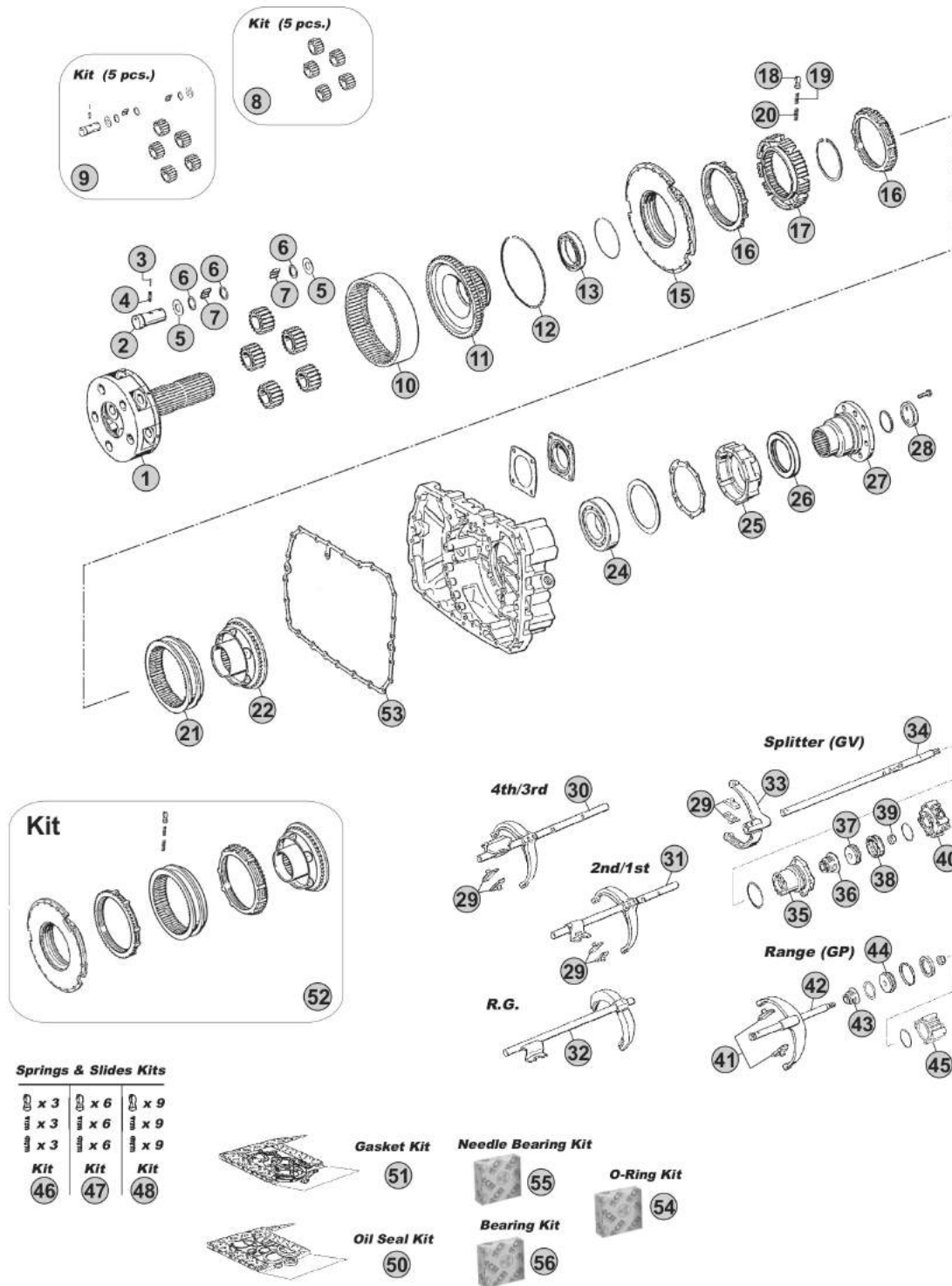
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S112 (1296 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
46	47	48

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Notes

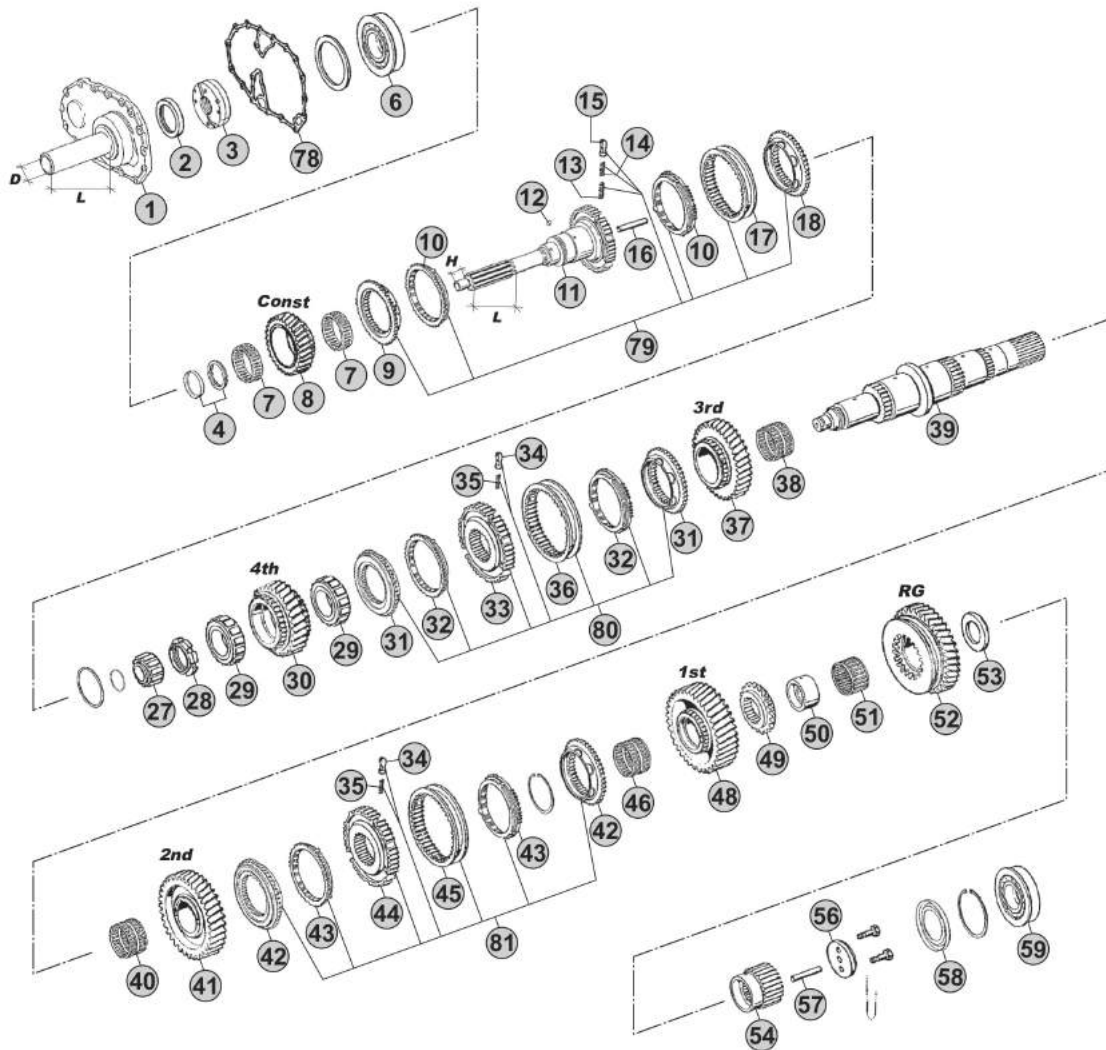
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S112/1 (1296 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
70	71	72

Springs & Slides Kits

x 3
x 3
Kit
73



Gasket Kit
75

Needle Bearing Kit



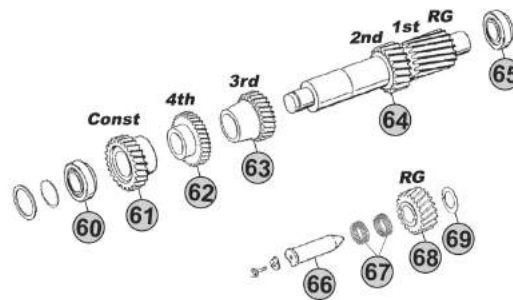
Bearing Kit
77



O-Ring Kit
82



Oil Seal Kit
74



Notes

16S112/1 R. 13,68-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S112/1			
1	128.339	1297 302 011	Front Cover	1	L=147-D=57	●			
2	139.937	0750 111 002	Oil Seal 48x75x8	1		●			
3	280.348	1295 202 041	Oil Pump	1		●			
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●			
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●			
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●			
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●			
7	137.139	0735 320 799	Needle Cage 88x96x23	2		●			
8	145.447	1296 302 003	Constant Gear 28 T	1		●			
9	109.072	1295 304 278	Synchronizer Cone	1		●			
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●			
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●			
11	102.229	1296 202 006	Input Shaft	1		●			
12	171.084	0635 470 012	Needle D.7x7	1		●			
13	156.037	0732 040 385	Outer Spring De.6x34	3		●			
14	156.036	0732 040 386	Inner Spring De.3x34	3		●			
15	160.116	1240 304 278	Pressure Piece	3		●			
16	188.211	0730 062 323	Oil Plug	1		●			
17	154.097	1295 304 002	Sliding Sleeve	1		●			
18	109.072	1295 304 278	Synchronizer Cone	1		●			
27	137.081	0750 118 010	Roller Cage D.30x60x25,50	1		●			
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●			
29	137.155	0750 118 012	Roller Cage D.63x97,5x31,7	2		●			
30	146.362	1296 304 090	Gear 4th Speed 30 T	1		●			
31	109.114	1297 304 369	Synchronizer Cone	2		●			
32	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●			
32	119.167	1297 304 484	Synchronizer Ring	2	New Type	●			
33	157.140	1297 304 446	Synchronizer Hub	1		●			
34	160.189	1297 304 436	Pressure Piece	3	2x3 pcs.	●			
35	156.140	0732 040 409	Spring De.6,5x23,50	3	2x3 pcs.	●			
36	154.135	1310 304 202	Sliding Sleeve	1		●			
37	145.494	1296 304 087	Gear 3rd Speed 34 T	1		●			
38	137.158	0735 320 460	Needle Cage D.82x90x46	1		●			
39	103.131	1296 304 119	Main Shaft	1		●			
40	137.407	0735 320 549	Needle Cage D.82x90x42	1		●			
41	145.499	1296 304 070	Gear 2nd Speed 38 T	1		●			
42	109.113	1297 304 371	Synchronizer cone	2		●			
43	119.122	1297 304 401	Synchronizer Ring	2	Old Type	●			
43	119.166	1297 304 485	Synchronizer Ring	2	New Type	●			
44	157.139	1297 304 445	Synchronizer Hub	1		●			
45	154.136	1297 304 450	Sliding Sleeve	1		●			
46	137.159	0735 320 548	Needle Cage 70x78x46	1		●			
48	145.505	1296 304 099	Gear 1st Speed 47 T	1		●			

 ECOSPLIT I-II
16S112/1

Date

09/2014

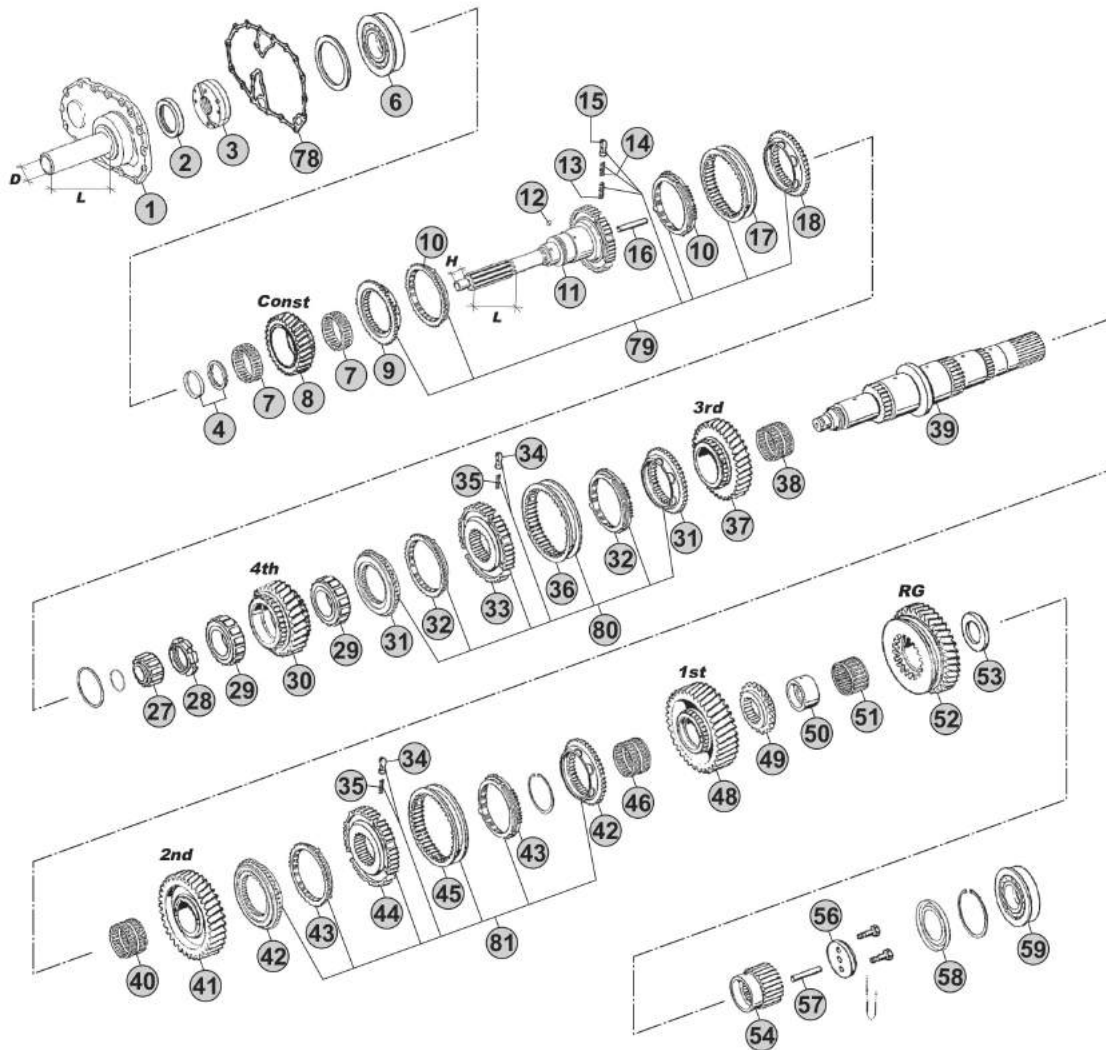
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S112/1 (1296 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
(70)	(71)	(72)

Springs & Slides Kits

x 3
x 3
Kit
(73)



Gasket Kit
(75)

Needle Bearing Kit



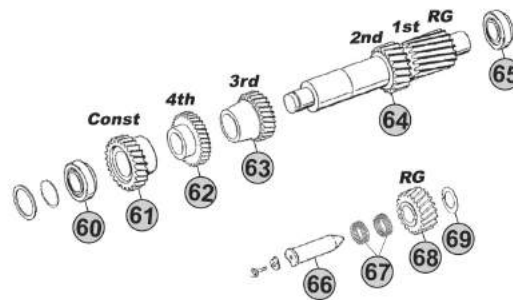
Bearing Kit
(77)



O-Ring Kit
(82)



Oil Seal Kit
(74)



Notes

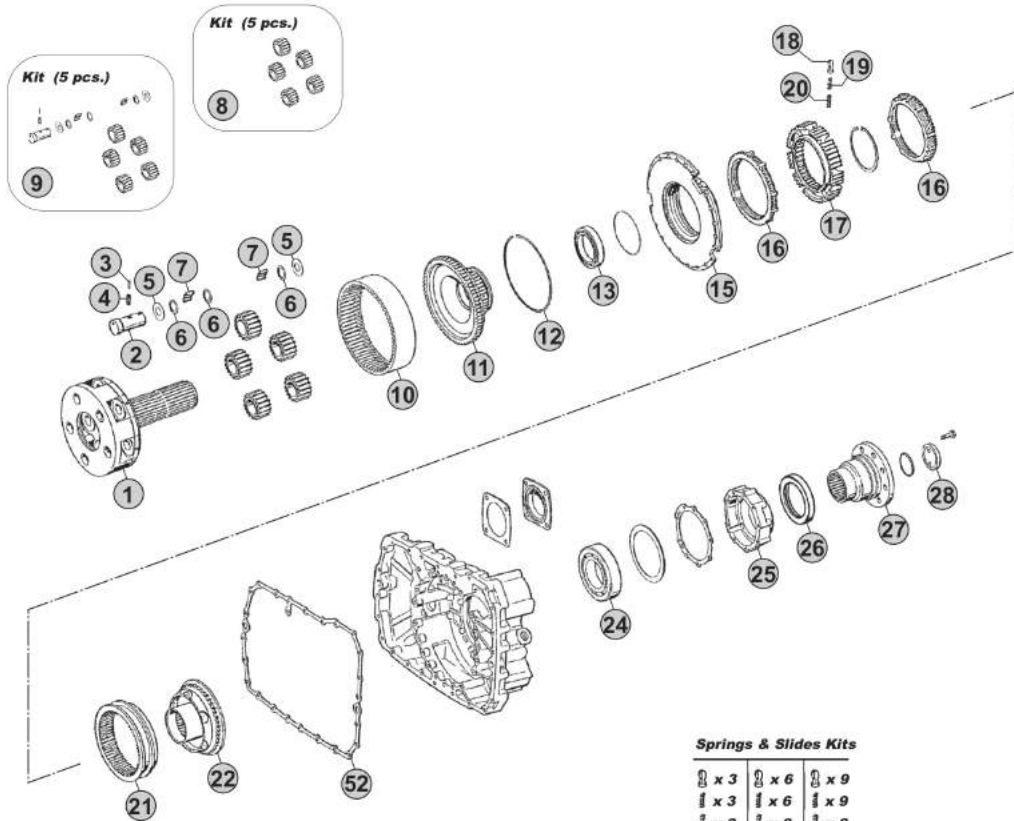
16S112/1 R. 13,68-1,00

MODELS:

- ECOSPLIT I-II

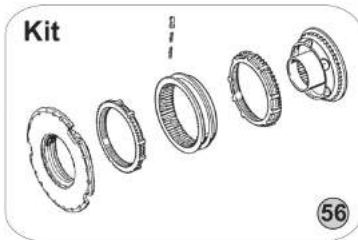
VERSIONS:

- 16S112/1 (1296 xxx xxx)

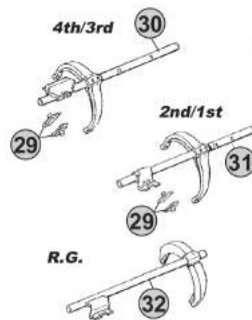


Springs & Slides Kits

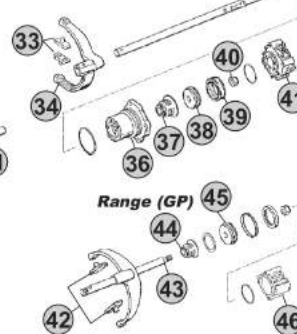
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
47	48	49



Shifting Forks



Splitter (GV)



Notes

16S112/1 R. 13,68-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S112/1				
1	190.169	1295 232 044	Planetary Carrier	1		●				
2	107.089	1269 332 036	Planetary Pin	5		●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
5	169.408	0501 305 887	Thrust Washer 29x57,5x1,5	10		●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
7	171.016	0735 470 057	Needle D.6x14,75 (180 pcs)	180		●				
8	198.357	1295 232 027	Planetary Gear Set (5 pcs)	1		●				
9	198.562	1296 298 904	Planetary Gear Set	1		●				
10	123.162	1295 332 053	Crown Gear 83 T	1		●				
11	150.112	1295 332 021	Carrier Hub 83 T	1		●				
12	111.129	0730 505 055	Locking Wire	1		●				
13	130.244	0750 116 166	Bearing 75x105x16	1		●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●				
22	198.359	1295 233 025	Synchronizer Cone (36 Spl.)	1		●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.260	1296 301 067	Cover	1		●				
25	128.098	1315 301 220	Cover	1		●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.051	1295 338 014	Output Flange D.180 mm	1	D.180-10 H.	●				
28	188.077	1295 332 051	Stop Washer	1		●				
29	141.163	1297 306 120	Slide	2	2x2 pcs.	●				
30		1296 206 061	Fork	1		●				
31		1296 206 062	Fork	1		●				
32		1296 206 078	Fork	1		●				
33	141.068	1295 306 132	Bronze Slide	2		●				
34	141.086	1313 312 002	Shift Yoke	1		●				
35	149.277	1296 312 001	Selector Rod	1		●				
36	132.046	1296 312 042	Cylinder	1		●				
37	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
38	189.421	1296 312 053	Piston	1		●				
39	139.912	0750 112 089	Ring 53x63x16,2	1		●				
40	287.091	0737 300 037	Nut	1		●				
41	132.084	0750 132 032	Cylinder	1		●				
41	280.350	0750 132 033	Cylinder	1		●				
42	141.085	1296 334 004	Bronze Slide	2		●				

 ECOSPLIT H-II
16S112/1

Date

09/2014

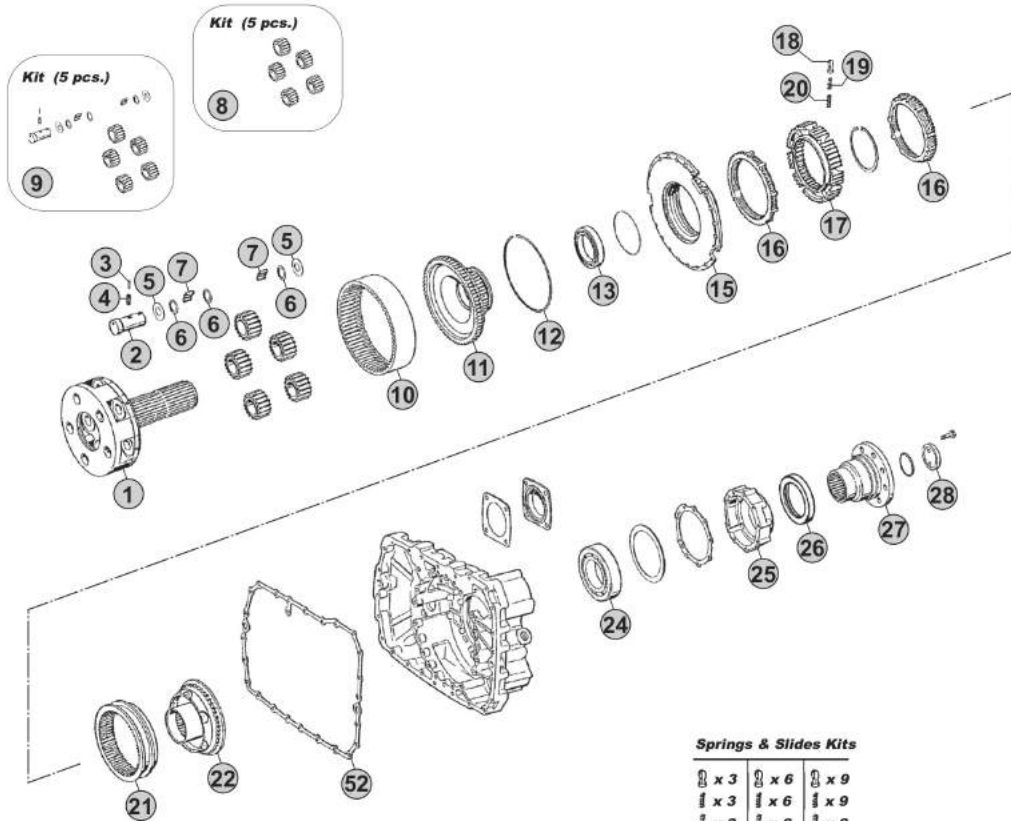
Notes

MODELS:

- ECOSPLIT I-II

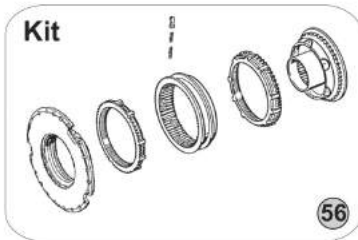
VERSIONS:

- 16S112/1 (1296 xxx xxx)

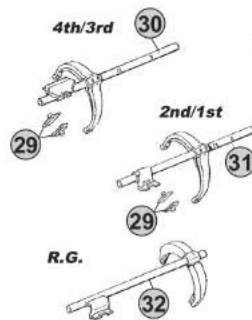


Springs & Slides Kits

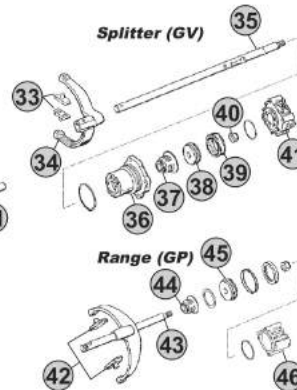
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
47	48	49



Shifting Forks



Splitter (GV)



Notes

16S112/1 R. 13,68-1,00

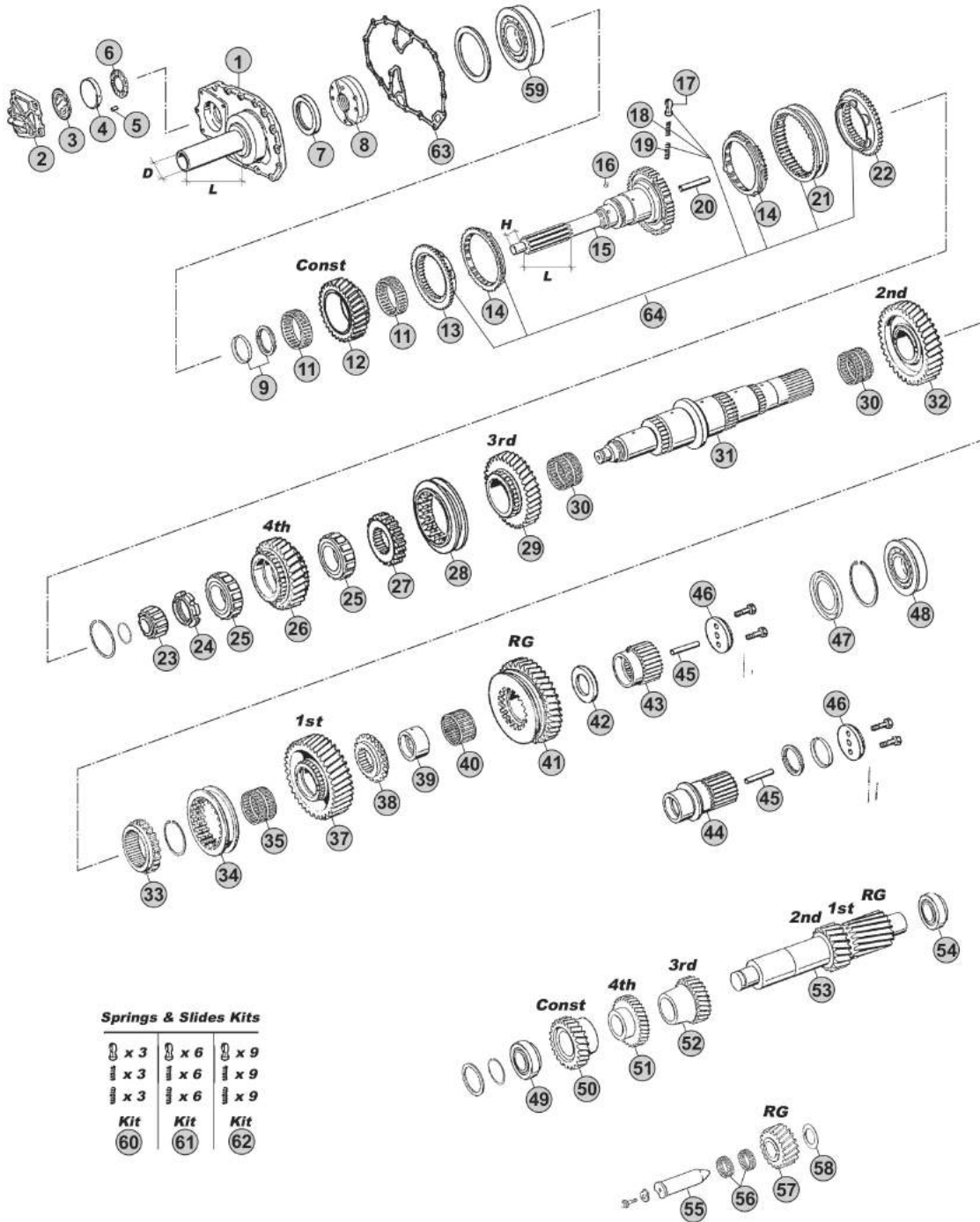
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MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K130 (1295 xxx xxx)



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Notes

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K130				
1	128.366	1297 302 018	Front Cover	1	(9) L=170 D=54	●				
1	128.367	1297 302 053	Front Cover	1	(9) L=170 D=60	●				
1	128.223	1297 302 019	Front Cover	1	(8)	●				
1	128.368	1297 302 238	Front Cover	1	(9)	●				
2	128.369	1295 303 030	Oil Pump Cover	1		●				
2	128.344	1295 303 031	Oil ring cover	1		●				
3	269.072	0750 190 012	Washer	1		●				
4	188.275	1268 303 062	Piston	1		●				
5	160.318	0731 302 032	Pin	1		●				
6	269.670	1268 203 059	Washer	1		●				
7	239.003	0634 100 182	Oil Seal	1	(13)	●				
7	139.937	0750 111 002	Oil Seal 48x75x8	1	(14)	●				
7	139.879	0734 310 387	Oil Seal 55x75x8	1	(15)	●				
8	280.348	1295 202 041	Oil Pump	1		●				
9	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
9	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
9	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
11	137.082	0735 320 786	Needle Cage 88x96x24,50	2		●				
12	145.489	1295 302 070	Constant Gear 30 T	1	A	●				
12	145.276	1295 302 071	Constant Gear 28 T	1	B	●				
12	145.541	1295 302 122	Constant Gear 29 T	1	C	●				
13	109.072	1295 304 278	Synchronizer Cone	1		●				
14	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
14	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
15	102.230	1295 202 004	Input Shaft	1	L=118 H=32	●				
15	102.232	1295 202 007	Input Shaft	1		●				
15	102.579	1295 221 001	Input Shaft	1	NMV130 (Clutch PTO)	●				
15	102.254	1295 202 039	Input Shaft	1		●				
16	171.084	0635 470 012	Needle D.7x7	1		●				
17	160.116	1240 304 278	Pressure Piece	3		●				
18	156.036	0732 040 386	Inner Spring De.3x34	3		●				
19	156.037	0732 040 385	Outer Spring De.6x34	3		●				
20	188.211	0730 062 323	Oil Plug	1		●				
21	154.097	1295 304 002	Sliding Sleeve	1		●				
22	109.072	1295 304 278	Synchronizer Cone	1		●				
23	137.081	0750 118 010	Roller Cage D.30x60x25,50	1		●				
24	187.588	3081 303 063	Grooved Nut M50x1.5	1		●				
25	130.435	0750 118 017	Bearing D.55x90x33	2		●				
26	146.464	1295 304 181	Gear 4th Speed 28 T	1	A	●				
26	146.465	1295 304 182	Gear 4th Speed 30 T	1	B	●				
26	146.466	1295 304 303	Gear 4th Speed 26 T	1	C	●				
27	157.208	1295 304 234	Fixed Hub 3rd/4th Speed	1		●				
28	154.211	1295 304 179	Sliding Sleeve 3rd-4th Speed	1		●				

 ECOSPLIT I-II
16K130
Date

09/2014

Notes

(9) For oil pump cover 1295 303 030

(8) For oil pump cover 1295 303 031

(13) For Input shaft 1295 221 001

(14) For Oil pump cover 1297 302 019 - 1297 302 018

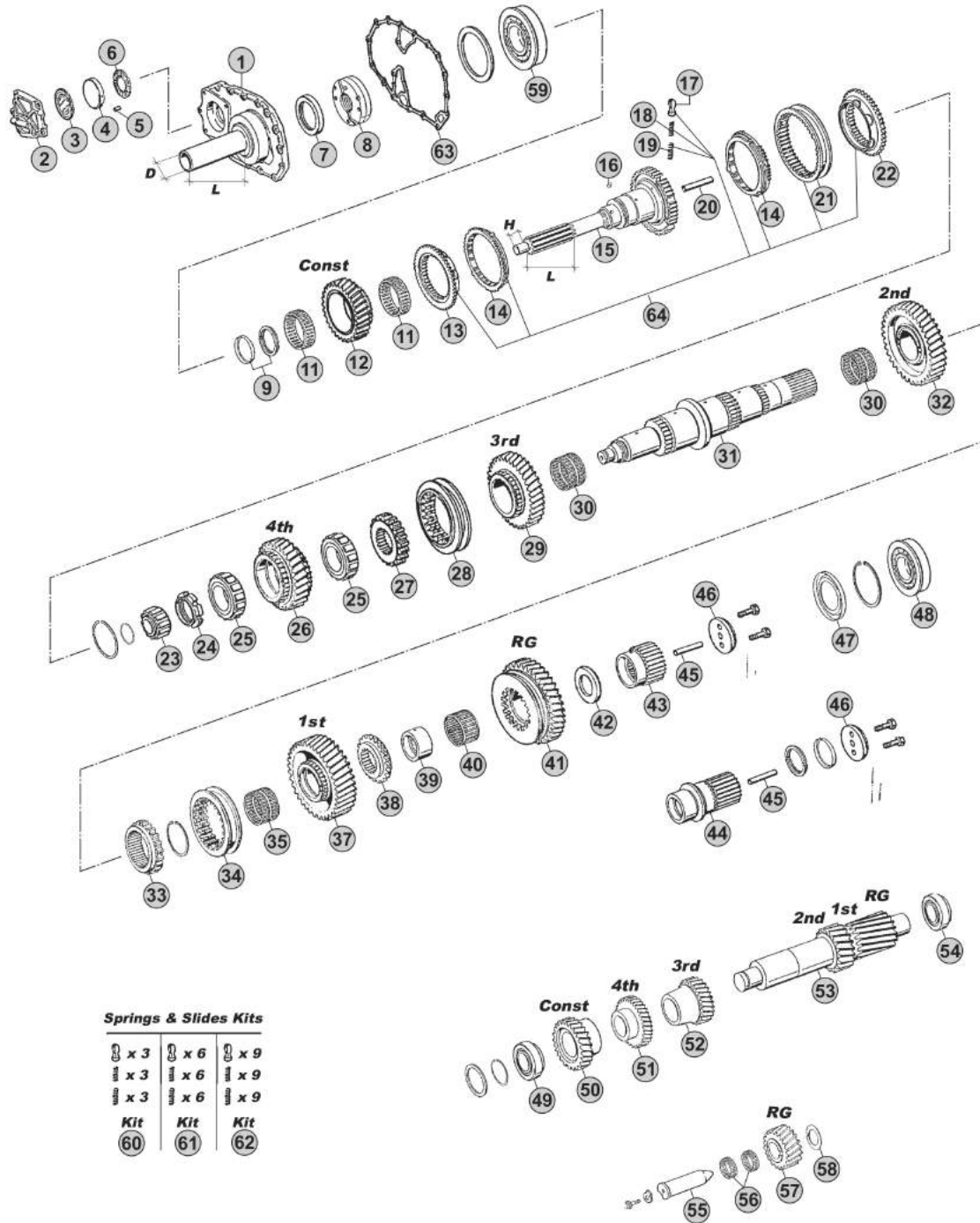
(15) For Oil pump cover 1295 302 053 - 1295 302 238

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K130 (1295 xxx xxx)



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Notes

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K130				
29	145.551	1295 304 188	Gear 3rd Speed 32 T	1	AC	●				
29	145.552	1295 304 187	Gear 3rd Speed 34 T	1	B	●				
30	137.158	0735 320 460	Needle Cage D.82x90x46	2		●				
31	103.141	1295 304 243	Main Shaft	1	AB	●				
31	103.142	1295 304 304	Main Shaft	1	C	●				
32	145.547	1295 304 185	Gear 2nd Speed 37 T	1	AC	●				
32	145.546	1295 304 184	Gear 2nd Speed 38 T	1	B	●				
33	157.197	1295 304 235	Fixed Hub 1st/2nd Speed	1		●				
34	154.212	1295 304 178	Sliding Sleeve 1st-2nd Speed	1		●				
35	137.406	0735 320 461	Needle Cage D.72x80x46	1		●				
37	145.548	1295 304 204	Gear 1st Speed 44 T	1	AC	●				
37	145.550	1295 304 205	Gear 1st Speed 47 T	1	B	●				
38	109.075	1295 304 206	Synchronizer Cone	1		●				
39	117.203	1295 304 012	Bush D.60x75x38	1	AB	●				
40	137.086	0750 115 059	Needle Cage 75x83x40	1		●				
41	147.138	1295 304 201	Reverse Gear 39 T	1	AC	●				
41	147.093	1295 304 200	Reverse Gear 38 T	1	B	●				
42	269.833	1295 304 241	Thrust Washer	1	AB	●				
43	157.211	1295 304 247	Sun Gear 27 T	1	AB	●				
44	157.207	1295 304 251	Sun Gear 24 T	1	C	●				
45	189.671	0730 061 842	Oil Tube	1		●				
46	188.076	1272 304 021	Stop Washer	1		●				
47	139.922	1295 304 129	Oil Collector	1	AB	●				
47	139.923	1297 301 004	Oil Collector	1	C	●				
48	130.240	0750 118 153	Bearing 60x130x31	1	AB	●				
48	130.934	0750 118 137	Bearing 80x140x26	1	C	●				
49	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
50	146.354	1295 303 036	Constant Gear 31 T	1	A	●				
50	146.210	1295 303 101	Constant Gear 34 T	1	B	●				
50	146.457	1295 303 060	Constant Gear 32 T	1	C	●				
51	146.413	1295 303 028	Gear 4th Speed 34 T	1	A	●				
51	146.209	1295 303 027	Gear 4th Speed 31 T	1	B	●				
51	146.461	1295 303 094	Gear 4th Speed 35 T	1	C	●				
52	146.467	1295 303 005	Gear 3rd Speed 28 T	1	AC	●				
52	146.468	1295 303 006	Gear 3rd Speed 25 T	1	B	●				
53	105.120	1295 303 056	Countershaft 19/23 T	1	AC	●				
53	105.308	1295 303 089	Countershaft 19/23 T	1	(20) AC	●				
53	105.122	1295 303 055	Countershaft 17/20 T	1	B	●				
54	130.307	0750 117 011	Bearing 50,8x104,7x39,6	1		●				
55	107.108	1295 305 056	Reverse Gear Pin	1		●				
56	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
57	147.133	1295 305 051	Reverse Gear 21 T	1	AC	●				
57	147.094	1295 305 052	Reverse Gear 24 T	1	B	●				

 ECOSPLIT I-II
16K130

Date

09/2014

Notes

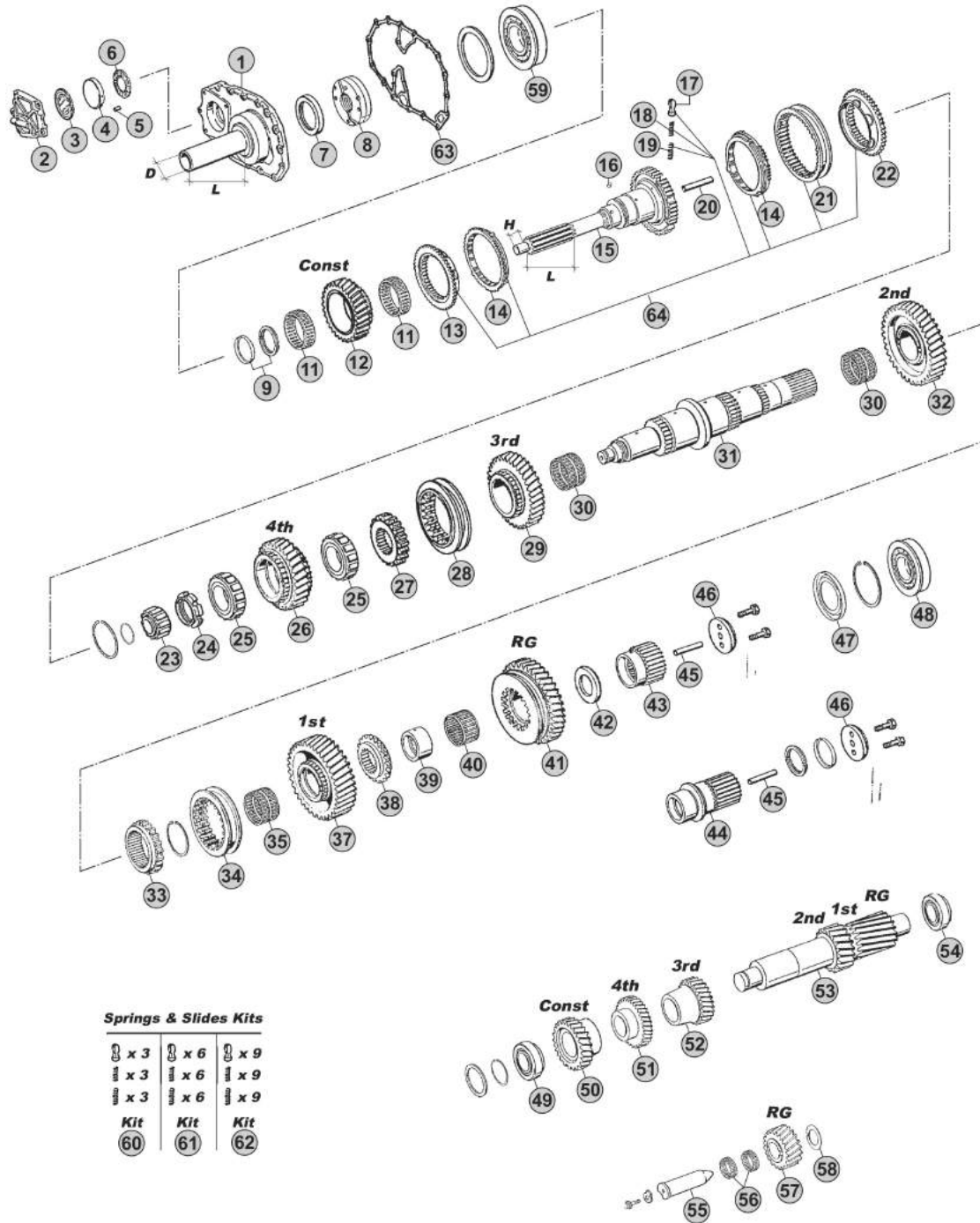
(20) Only for models having MNV130 (CLUTCH PTO)

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K130 (1295 xxx xxx)



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Notes

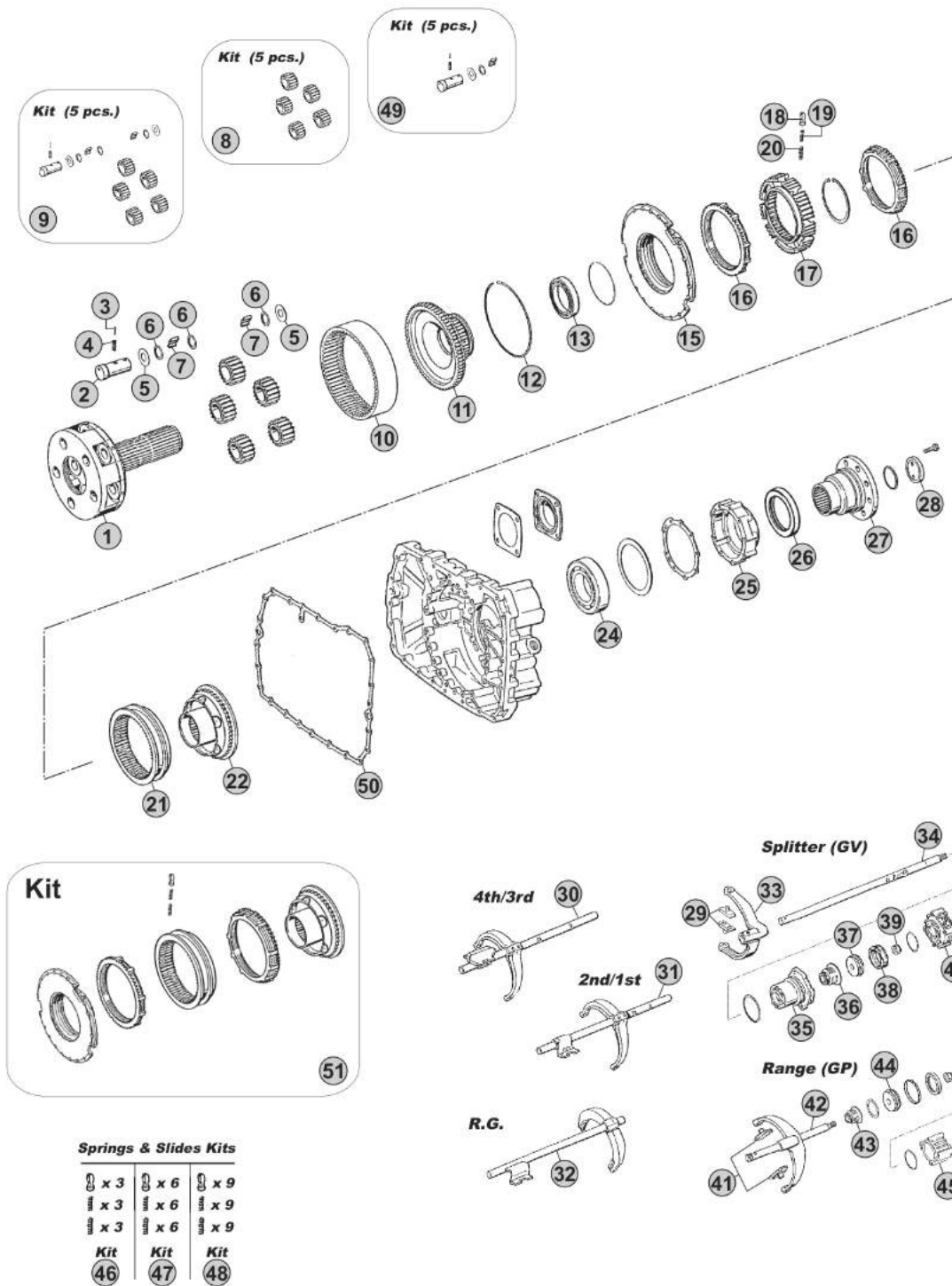
- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K130 (1295 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
46	47	48

Notes

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K130				
1	190.169	1295 232 044	Planetary Carrier	1	AB	●				
1	190.555	1295 232 045	Planetary Carrier	1	C	●				
2	107.089	1269 332 036	Planetary Pin	5		●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
5	169.408	0501 305 887	Thrust Washer 29x57,5x1,5	10		●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
7	171.016	0735 470 057	Needle D.6x14,75 (180 pcs)	180		●				
8	198.357	1295 232 027	Planetary Gear Set (5 pcs)	1	AB	●				
8	198.437	1295 232 038	Planetary Gear Set (5 pcs)	1	C	●				
9	198.562	1296 298 904	Planetary Gear Set	1	AB	●				
10	123.162	1295 332 053	Crown Gear 83 T	1	AB	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	C	●				
11	150.112	1295 332 021	Carrier Hub 83 T	1	AB	●				
11	150.142	1295 332 084	Carrier hub 86 T	1	C	●				
12	111.129	0730 505 055	Locking Wire	1	AB	●				
12	111.198	0730 505 056	Locking Wire	1	C	●				
13	130.244	0750 116 166	Bearing 75x105x16	1		●				
15	198.358	1296 233 006	Synchro Cone	1		●				
16	119.085	1296 333 022	Synchronizer Ring	2		●				
16	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
17	157.113	1296 333 002	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		●				
22	198.359	1295 233 025	Synchronizer Cone (36 Spl.)	1		●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.098	1315 301 220	Cover	1		●				
25	128.260	1296 301 067	Cover	1		●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.161	1295 338 061	Output Flange D.180 mm	1	D.180-4 H.	●				
27	197.051	1295 338 014	Output Flange D.180 mm	1	D.180-10 H.	●				
28	188.077	1295 332 051	Stop Washer	1		●				
29	141.068	1295 306 132	Bronze Slide	2		●				
30		1295 206 184	Fork	1		●				
30		1295 206 189	Fork	1		●				
31		1295 206 182	Fork	1		●				
31		1295 206 188	Fork	1		●				
32		1295 206 253	Fork	1		●				
32		1295 206 252	Fork	1		●				
33	141.086	1313 312 002	Shift Yoke	1		●				
34	149.275	1295 312 017	Rod	1		●				

ECOSPLIT I-II
16K130

Date

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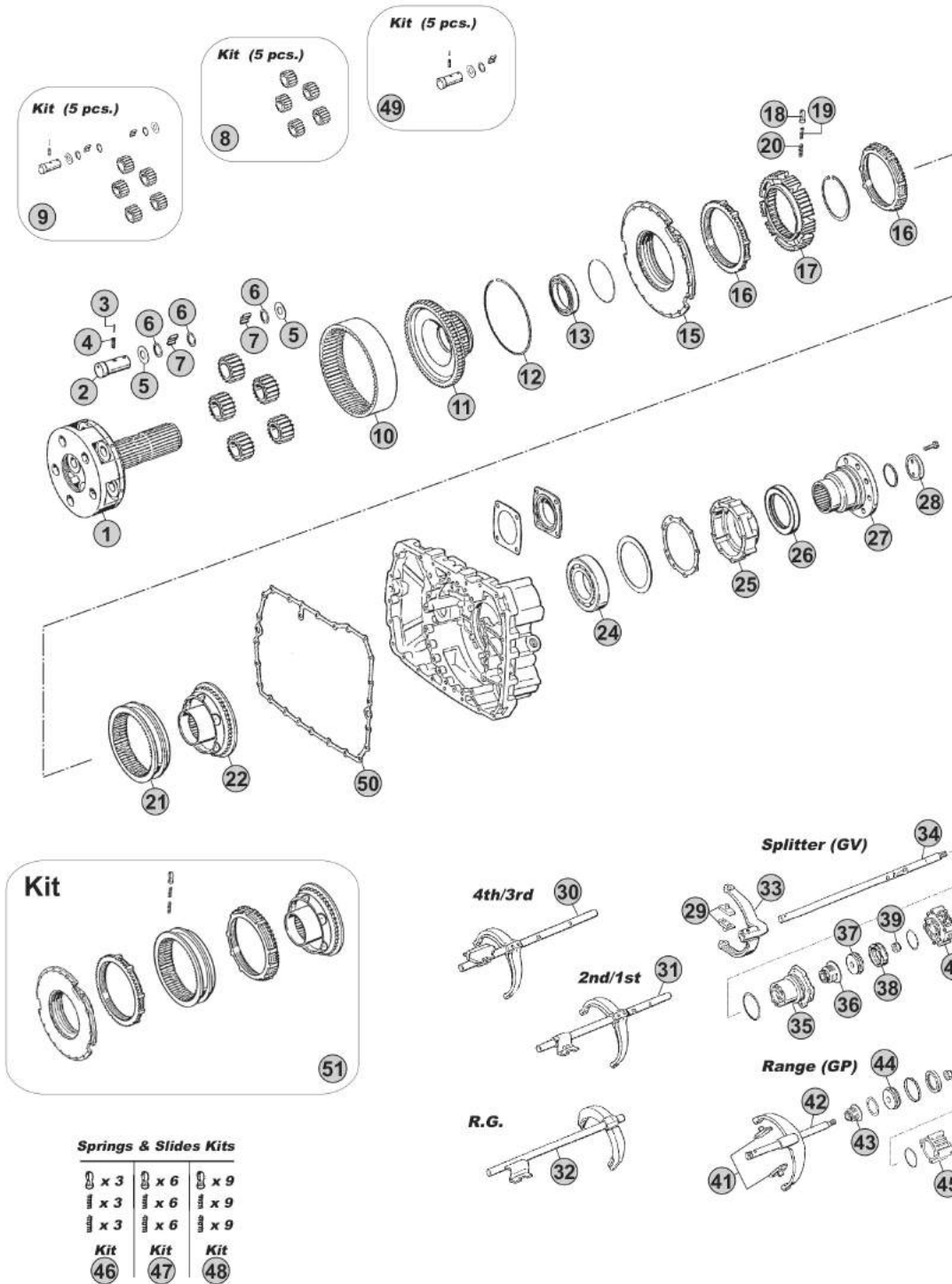
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K130 (1295 xxx xxx)



Notes

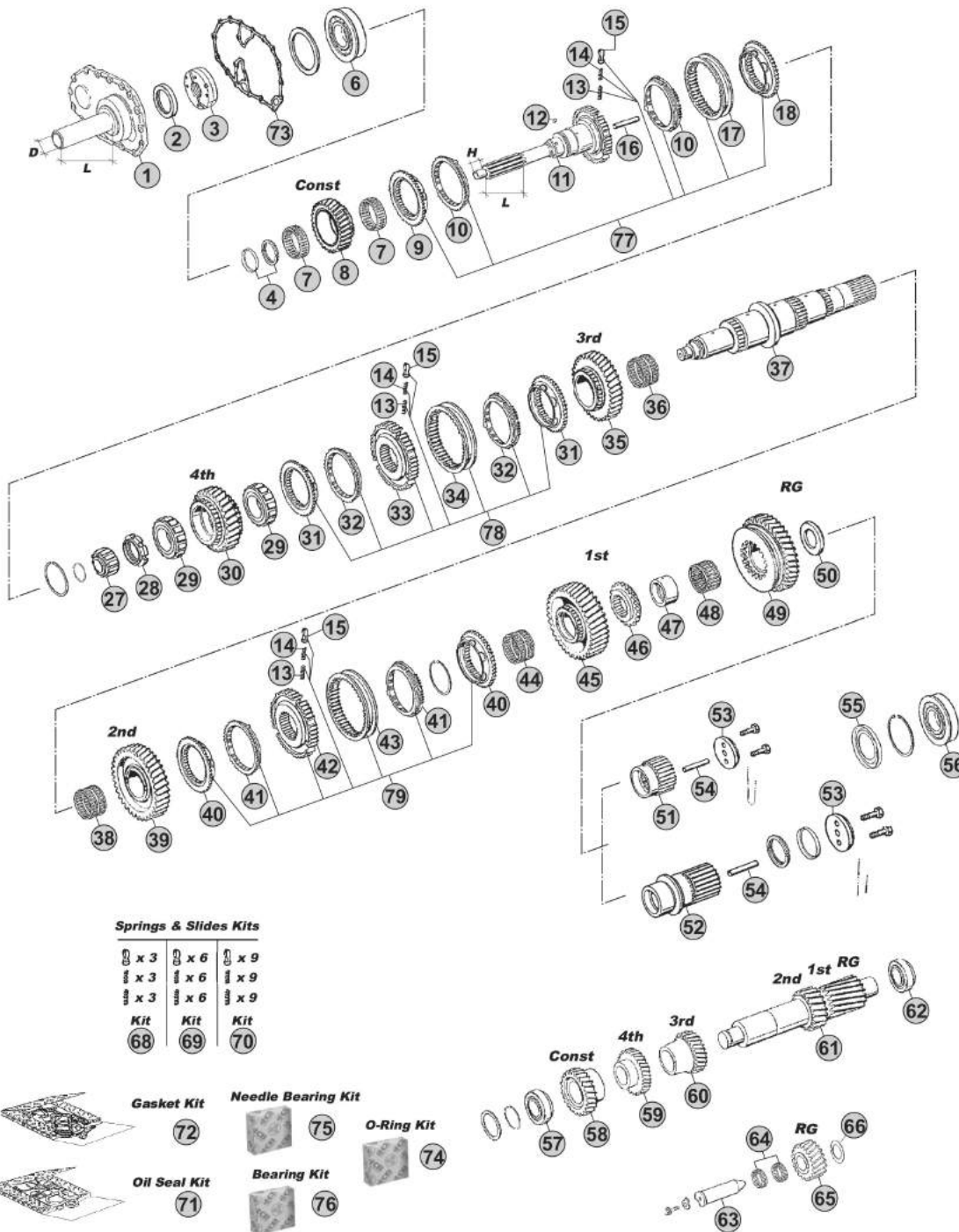
- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130 (1295 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

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S130				
1	135.231	1297 302 012	Front Cover	1	L=170 D=54	●				
1	135.201	1297 302 042	Front Cover	1	L=170 D=60	●				
1	128.339	1297 302 011	Front Cover	1		●				
1	128.337	1297 302 013	Front Cover	1		●				
2	139.937	0750 111 002	Oil Seal 48x75x8	1		●				
2	239.003	0634 100 182	Oil Seal	1	(13)	●				
2	139.879	0734 310 387	Oil Seal 55x75x8	1	(14)	●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●				
6	130.517	0750 118 007	Bearing 75x150x31,5 mm	1	(20)	●				
7	137.082	0735 320 786	Needle Cage 88x96x24,50	2		●				
7	137.163	0735 358 155	Needle Cage	2	(20)	●				
8	145.276	1295 302 071	Constant Gear 28 T	1	AC	●				
8	145.408	1295 302 074	Constant Gear 28 T	1	(20) C	●				
8	145.489	1295 302 070	Constant Gear 30 T	1	B	●				
8	145.541	1295 302 122	Constant Gear 29 T	1	D	●				
9	109.072	1295 304 278	Synchronizer Cone	1		●				
9	109.083	1295 304 165	Synchronizer Cone	1	(20)	●				
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
11	102.221	1295 202 028	Input Shaft 57 T	1	L=125 H=30	●				
11	102.230	1295 202 004	Input Shaft	1	L=118 H=32	●				
11	102.251	1295 202 008	Input Shaft	1	L=116 H=21	●				
11	102.252	1295 202 011	Input Shaft	1	L=120 H=32	●				
11	102.250	1295 202 005	Input Shaft	1		●				
11	102.580	1295 202 006	Input Shaft	1		●				
11	102.232	1295 202 007	Input Shaft	1		●				
11	102.253	1295 202 012	Input Shaft	1		●				
11	102.579	1295 221 001	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.581	1295 221 002	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.582	1295 221 003	Input shaft	1	NMV130 (Clutch PTO)	●				
11	102.583	1295 221 008	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.231	1295 202 001	Input Shaft	1	(20)	●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.037	0732 040 385	Outer Spring De.6x34	3	3x3 pcs.	●				
14	156.036	0732 040 386	Inner Spring De.3x34	3	3x3 pcs.	●				
15	160.116	1240 304 278	Pressure Piece	3	3x3 pcs.	●				
16	188.211	0730 062 323	Oil Plug	1		●				
17	154.097	1295 304 002	Sliding Sleeve	1		●				
18	109.072	1295 304 278	Synchronizer Cone	1		●				

Date

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Notes

(13) For Input shaft 1295 221 001/002/003/008

(14) For Input shaft 1295 202 008/013/024/025/028/039/045

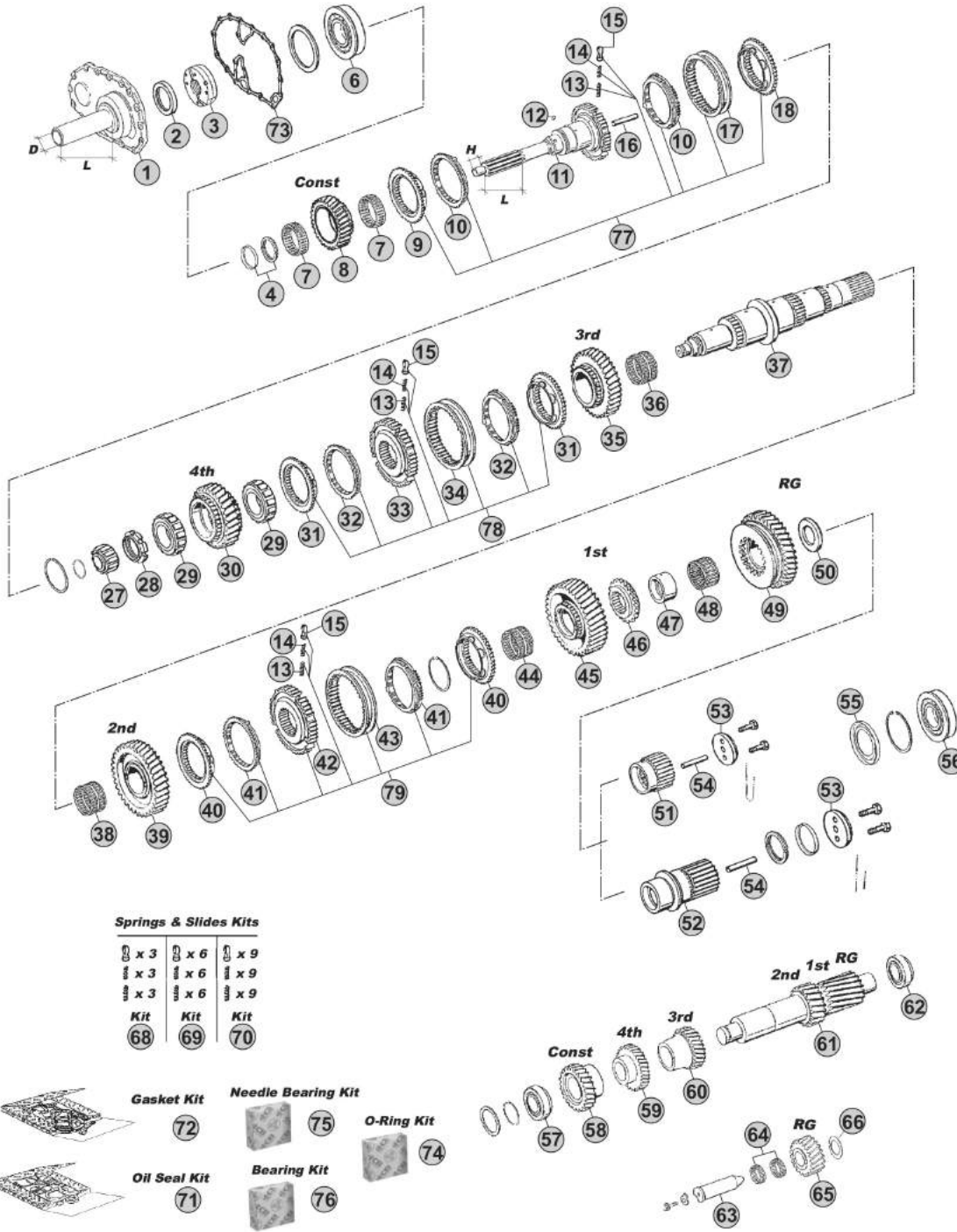
(20) SPECIAL MB VERSION. USE ITEMS MARKED (4) TOGETHER

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130 (1295 xxx xxx)



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Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S130				
27	137.081	0750 118 010	Roller Cage D.30x60x25,50	1		●				
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
29	137.083	0750 118 005	Roller Cage 63x97,5x34,80	2		●				
30	146.212	1295 304 135	Gear 4th Speed 30 T	1	AC	●				
30	146.356	1295 304 136	Gear 4th Speed 28 T	1	B	●				
30	146.454	1295 304 236	Gear 4th Speed 26 T	1	D	●				
31	109.072	1295 304 278	Synchronizer Cone	2		●				
32	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
32	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
33	157.110	1297 304 031	Synchronizer Hub	1		●				
34	154.097	1295 304 002	Sliding Sleeve	1		●				
35	244.163	1295 304 269	Gear 3rd Speed 25 T	1	A	●				
35	145.495	1295 304 127	Gear 3rd Speed 32 T	1	BD	●				
35	145.277	1295 304 128	Gear 3rd Speed 34 T	1	C	●				
36	137.084	0735 320 418	Needle Cage 82x90x49	1		●				
37	103.274	1295 304 273	Main Shaft	1	A	●				
37	103.075	1295 304 245	Main Shaft	1	BC	●				
37	103.140	1295 304 250	Main Shaft	1	D	●				
38	137.112	0735 320 451	Needle Cage 82x90x60	1	A	●				
38	137.084	0735 320 418	Needle Cage 82x90x49	1	BCD	●				
39	244.164	1295 304 271	Gear 2nd Speed 34 T	1	A	●				
39	145.501	1295 304 120	Gear 2nd Speed 37 T	1	BD	●				
39	145.278	1295 304 121	Gear 2nd Speed 38 T	1	C	●				
40	109.074	1297 304 196	Synchronizer Cone	2		●				
40	109.072	1295 304 278	Synchronizer Cone	2	(30)	●				
41	119.125	1296 304 135	Synchronizer Ring	2	Z 54 - Alt. use 119.086	●				
41	119.086	1246 304 278	Synchronizer Ring	2	Z 42 - Alt. use 119.125	●				
41	119.084	1295 304 004	Synchronizer Ring	2	(30)	●				
42	157.111	1297 304 195	Synchronizer Hub	1		●				
42	157.110	1297 304 031	Synchronizer Hub	1	(30)	●				
43	154.051	1257 304 020	Sliding Sleeve	1		●				
43	154.097	1295 304 002	Sliding Sleeve	1	(30)	●				
44	137.159	0735 320 548	Needle Cage 70x78x46	1	A	●				
44	137.085	0735 320 496	Needle Cage 70x78x55	1	BCD	●				
45	244.165	1295 304 270	Gear 1st Speed 41 T	1	A	●				
45	145.506	1295 304 203	Gear 1st Speed 44 T	1	BD	●				
45	145.279	1295 304 202	Gear 1st Speed 47 T	1	C	●				
46	109.184	1295 304 024	Synchronizer Cone	1	A	●				
46	109.075	1295 304 206	Synchronizer Cone	1	BCD	●				
47	117.203	1295 304 012	Bush D.60x75x38	1	ABC	●				
48	137.086	0750 115 059	Needle Cage 75x83x40	1		●				
49	147.292	1295 304 272	Reverse Gear 39 T	1	A	●				
49	147.138	1295 304 201	Reverse Gear 39 T	1	BD	●				

Date

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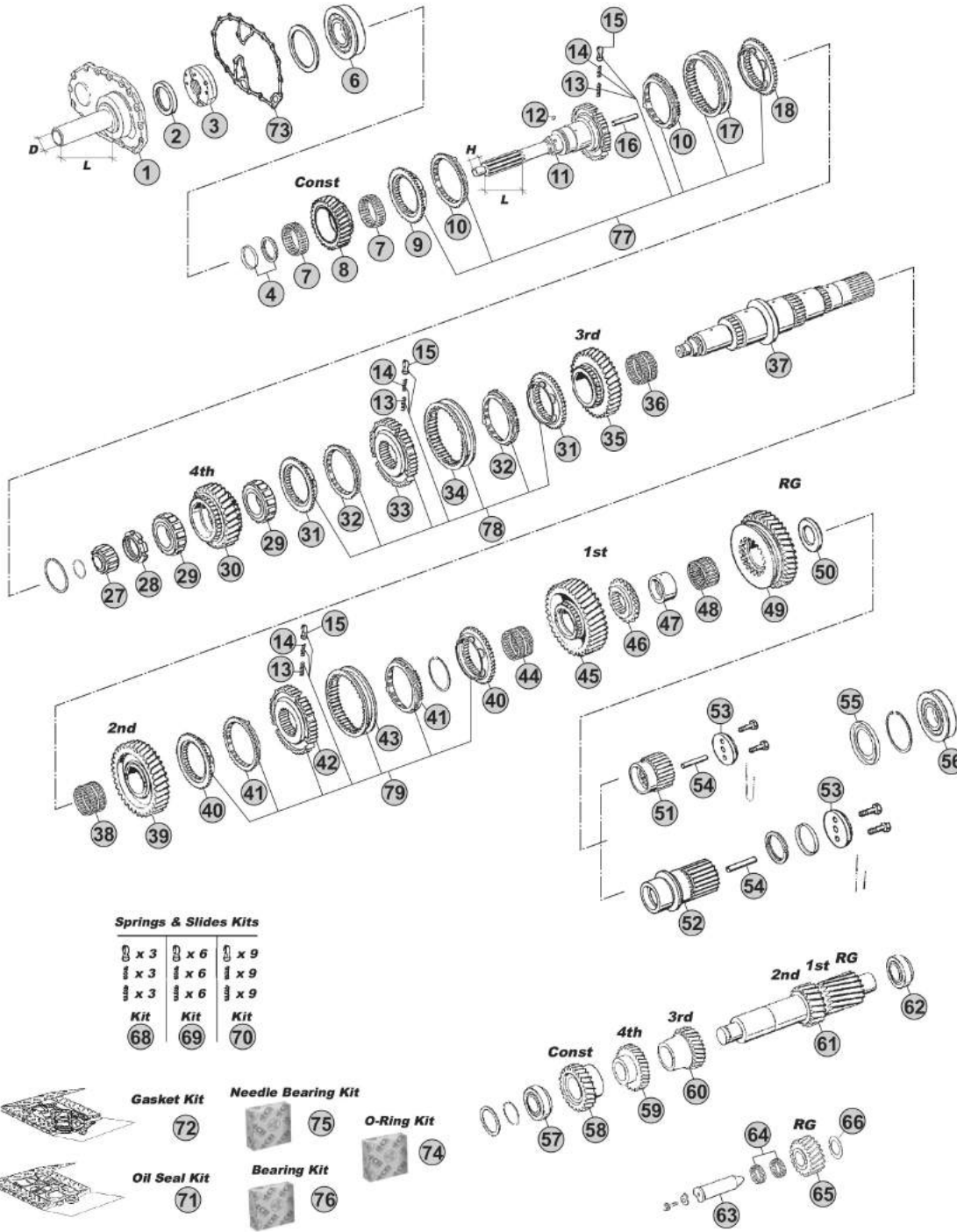
Notes
 (30) OLD TYPE. OLD SYNCHRO RING Ø 175,5 MM (Z 57 OR 30) -
 STANDARD SYNCHRO RING Ø 192 MM (Z 63 OR 54) USE ITEMS
 MARKED (6) TOGETHER

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130 (1295 xxx xxx)



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Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165130				
49	147.093	1295 304 200	Reverse Gear 38 T	1	C	●				
50	169.409	1295 304 240	Thrust Washer	1	ABC	●				
51	157.112	1295 304 248	Sun Gear 27 T	1	ABC	●				
52	157.207	1295 304 251	Sun Gear 24 T	1	D	●				
53	188.076	1272 304 021	Stop Washer	1		●				
54	189.671	0730 061 842	Oil Tube	1		●				
55	139.922	1295 304 129	Oil Collector	1	ABC	●				
55	139.923	1297 301 004	Oil Collector	1	D	●				
56	130.240	0750 118 153	Bearing 60x130x31	1	ABC	●				
56	130.934	0750 118 137	Bearing 80x140x26	1	D	●				
57	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
58	146.210	1295 303 101	Constant Gear 34 T	1	AC	●				
58	146.354	1295 303 036	Constant Gear 31 T	1	B	●				
58	146.457	1295 303 060	Constant Gear 32 T	1	D	●				
59	146.209	1295 303 027	Gear 4th Speed 31 T	1	AC	●				
59	146.413	1295 303 028	Gear 4th Speed 34 T	1	B	●				
59	146.461	1295 303 094	Gear 4th Speed 35 T	1	D	●				
60	146.751	1295 303 071	Gear 3rd Speed 36 T	1	A	●				
60	146.355	1295 303 025	Gear 3rd Speed 28 T	1	BD	●				
60	146.211	1295 303 026	Gear 3rd Speed 25 T	1	C	●				
61	105.278	1295 303 072	Countershaft 19/23 T	1	A	●				
61	105.119	1295 303 067	Countershaft 19/23 T	1	BD	●				
61	105.060	1295 303 066	Countershaft 17/20 T	1	C	●				
62	130.243	0750 117 008	Bearing 50x110x42	1		●				
63	107.108	1295 305 056	Reverse Gear Pin	1		●				
64	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
65	147.153	1297 305 003	Reverse Gear 21 T	1	A	●				
65	147.133	1295 305 051	Reverse Gear 21 T	1	BD	●				
65	147.094	1295 305 052	Reverse Gear 24 T	1	C	●				
66	169.234	0730 150 064	Thrust Washer	1		●				
68	198.339	1268 298 938	Spring Slide kit	1		●				
69	198.564		Spring Slide kit	1		●				
70	198.842	1295 298 933	Spring Slide kit	1		●				
71	198.428	1295 298 960	Oil Seal Ring Kit	1		●				
72	198.427	1295 298 915	Gasket Kit	1		●				
73	139.686	1313 302 014	Gasket	1		●				
74	298.405	1295 298 916	O-Ring Kit	1		●				
75	298.406	1295 298 946	Needle cages kit	1		●				
76	298.407	1295 298 941	Bearing kit	1		●				
77	198.724	1295 298 936	Synchro Kit	1	W/"Old Type" synchro rings	●				
77	298.323	1297 298 962	Synchro Kit	1	W/"New Type" synchro rings	●				
78	198.807	1297 298 958	Synchron.Kit 3rd-4th Speed	1	W/"New Type" synchro rings	●				
79	198.809	1297 298 956	Synchron.kit 1st-2nd Speed	1		●				

ECOSPLIT I-II
16S130

Date

Notes

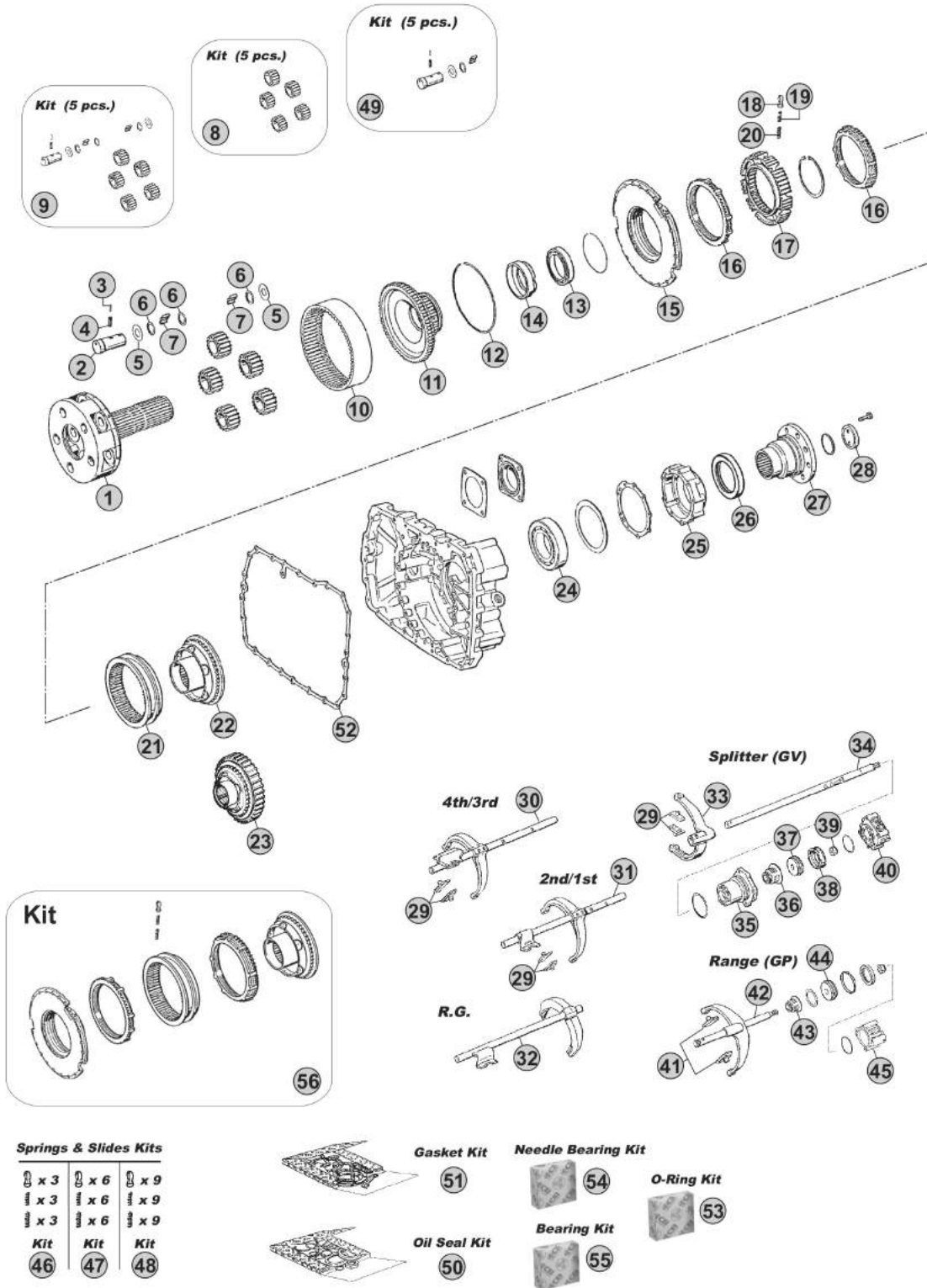
09/2014

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130 (1295 xxx xxx)



Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165130				
1	190.169	1295 232 044	Planetary Carrier	1	ABC	●				
1	190.395	1297 232 045	Planetary Carrier	1	D	●				
2	107.089	1269 332 036	Planetary Pin	5	ABC	●				
2	107.163	1297 332 109	Planet pin	5	D	●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
5	169.408	0501 305 887	Thrust Washer 29x57,5x1,5	10	ABC	●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10	D	●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
7	171.016	0735 470 057	Needle D.6x14,75 (180 pcs)	180	ABC	●				
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120	D	●				
8	198.357	1295 232 027	Planetary Gear Set (5 pcs)	1	ABC	●				
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	D	●				
9	198.562	1296 298 904	Planetary Gear Set	1	ABC	●				
10	123.162	1295 332 053	Crown Gear 83 T	1	ABC	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	D	●				
11	150.112	1295 332 021	Carrier Hub 83 T	1	ABC	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	D	●				
12	111.129	0730 505 055	Locking Wire	1	ABC	●				
12	111.198	0730 505 056	Locking Wire	1	D	●				
13	130.244	0750 116 166	Bearing 75x105x16	1	ABC	●				
13	130.310	0750 116 165	Bearing 80x110x16	1	D	●				
14	119.255	1297 332 122	Intermediate Ring	1	D	●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●				
22	198.359	1295 233 025	Synchronizer Cone (36 Spl.)	1	ABC	●				
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1	D	●				
23	109.845	1297 333 117	Synchronizer Cone	1	With Retarder ABC	●				
23	109.772	1297 333 118	Synchronizer Cone (38 Spl.)	1	With Retarder D	●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.260	1296 301 067	Cover	1		●				
25	128.098	1315 301 220	Cover	1		●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.235	1295 238 003	Output Flange D.165 mm	1	D.165-8 H. ABC	●				
27	197.161	1295 338 061	Output Flange D.180 mm	1	D.180-4 H.- ABC	●				
27	197.051	1295 338 014	Output Flange D.180 mm	1	D.180-10 H. ABC	●				
27	197.168	1295 338 059	Output Flange D.180 mm	1	D.180-10 H. ABC	●				

Date

09/2014

Notes

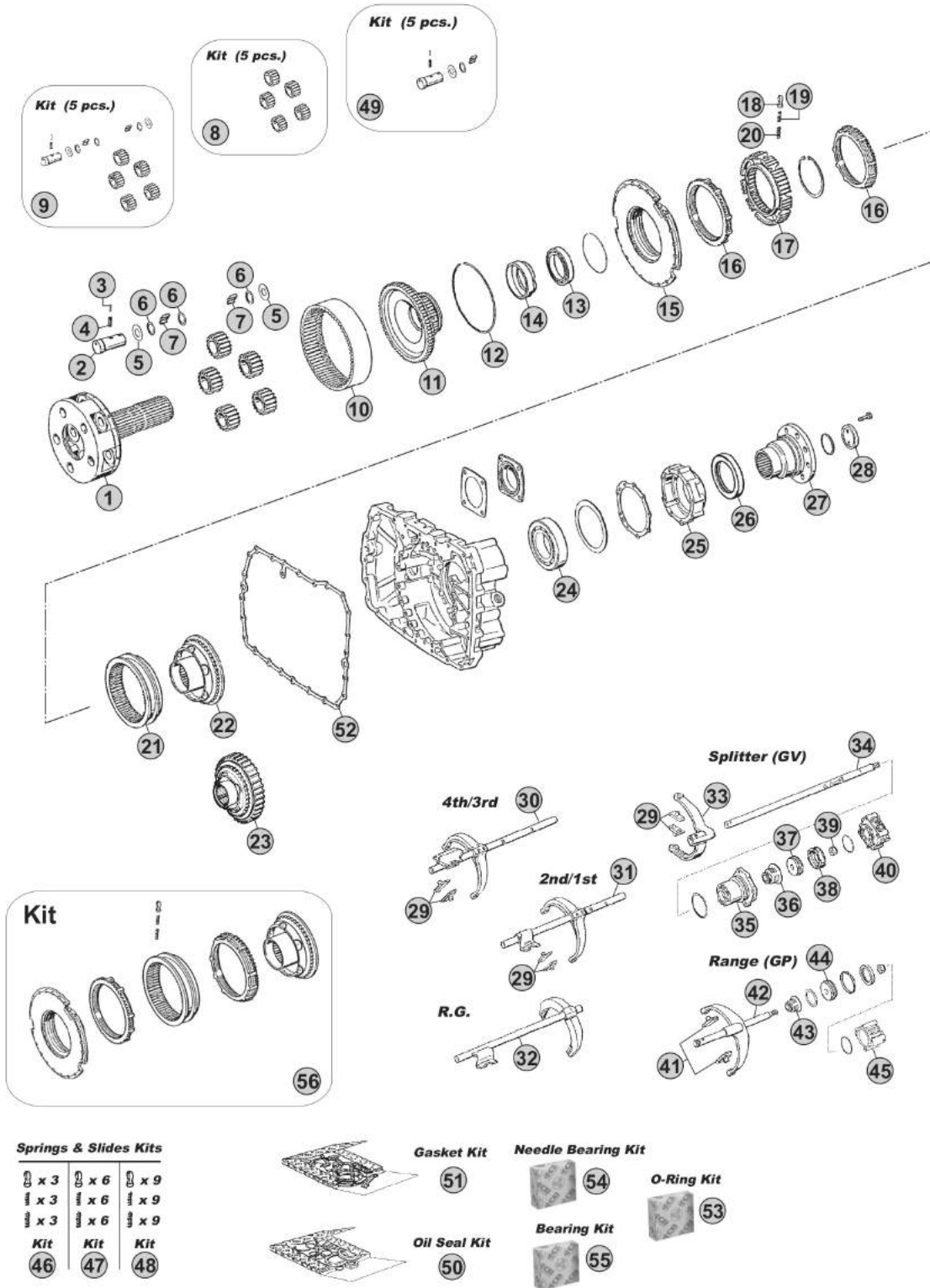
ECOSPLIT I-II
16S130

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130 (1295 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
46	47	48

Gasket Kit



51

Needle Bearing Kit



54

O-Ring Kit



53

Oil Seal Kit



50

Bearing Kit



55

Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165130			
27	197.074	1295 338 016	Output Flange D.204 mm	1	D.204-4 H. ABC	●			
27	197.234	1295 338 028	Output Flange D.204 mm	1	D.204-4 H. ABC	●			
27	197.167	1297 338 041	Output Flange D.180 mm	1	D.180-4 H. D	●			
27	197.162	1297 338 010	Output Flange D.180 mm	1	D.180-10 H. D	●			
28	188.077	1295 332 051	Stop Washer	1		●			
28	188.250	1295 332 064	Stop Washer	1	Only with 1295 238 003	●			
29	141.068	1295 306 132	Bronze Slide	2	3x2 pcs.	●			
30	298.811	1295 206 219	Complete Fork	1		●			
30	298.812	1295 206 212	Complete Fork	1		●			
30	198.362	1295 206 213	Complete Fork	1		●			
31	298.815	1295 206 223	Complete Fork	1		●			
31	298.816	1295 206 217	Complete Fork	1		●			
31	298.817	1295 206 214	Complete Fork	1		●			
31	298.818	1295 206 215	Complete Fork	1		●			
32	298.821	1295 206 250	Complete Fork	1		●			
32	298.822	1295 206 249	Complete Fork	1		●			
32	198.360	1295 206 255	Complete Fork	1		●			
32	298.823	1295 206 254	Complete Fork	1		●			
33	141.086	1313 312 002	Shift Yoke	1		●			
34	149.172	1295 312 018	Selector Rod	1		●			
35	132.046	1296 312 042	Cylinder	1		●			
36	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
37	189.421	1296 312 053	Piston	1		●			
38	139.912	0750 112 089	Ring 53x63x16,2	1		●			
39	287.091	0737 300 037	Nut	1		●			
40	132.084	0750 132 032	Cylinder	1		●			
40	280.350	0750 132 033	Cylinder	1		●			
41	141.085	1296 334 004	Bronze Slide	2		●			
42	149.171	1312 234 002	Fork	1		●			
42		1295 334 025	Fork	1		●			
43	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
44	189.422	1296 334 039	Piston	1		●			
45	132.047	1295 334 075	Cylinder	1		●			
46	198.339	1268 298 938	Spring Slide kit	1		●			
47	198.564		Spring Slide kit	1		●			
48	198.842	1295 298 933	Spring Slide kit	1		●			
49	198.447		Overhaul Planetary Gear Kit	1	ABC	●			
50	198.428	1295 298 960	Oil Seal Ring Kit	1		●			
51	198.427	1295 298 915	Gasket Kit	1		●			
52	139.685	1313 301 037	Gasket	1		●			
53	298.405	1295 298 916	O-Ring Kit	1		●			
54	298.406	1295 298 946	Needle cages kit	1		●			
55	298.407	1295 298 941	Bearing kit	1		●			

 ECOSPLIT I-II
16S130

Date

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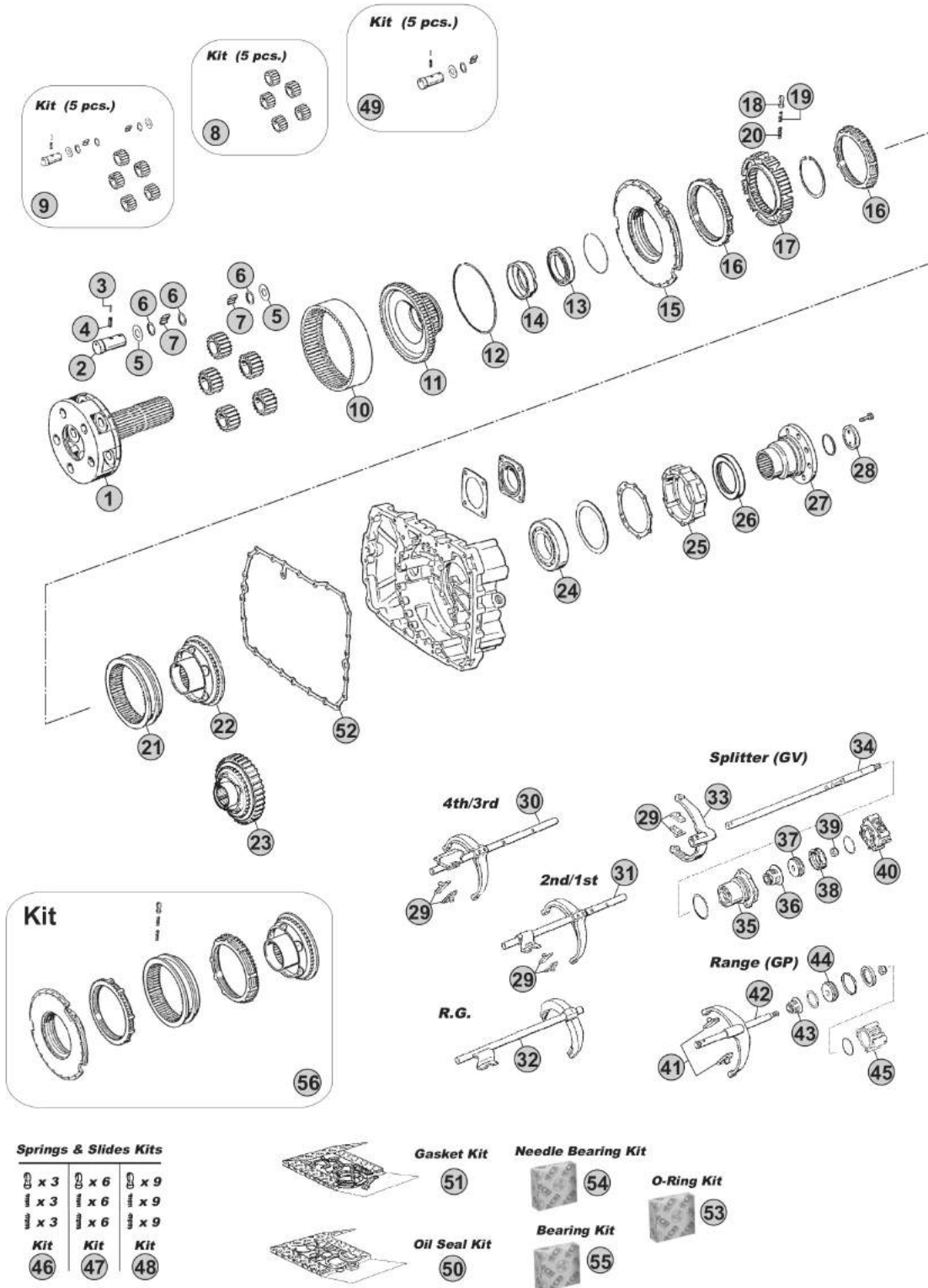
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130 (1295 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
46	47	48



Notes

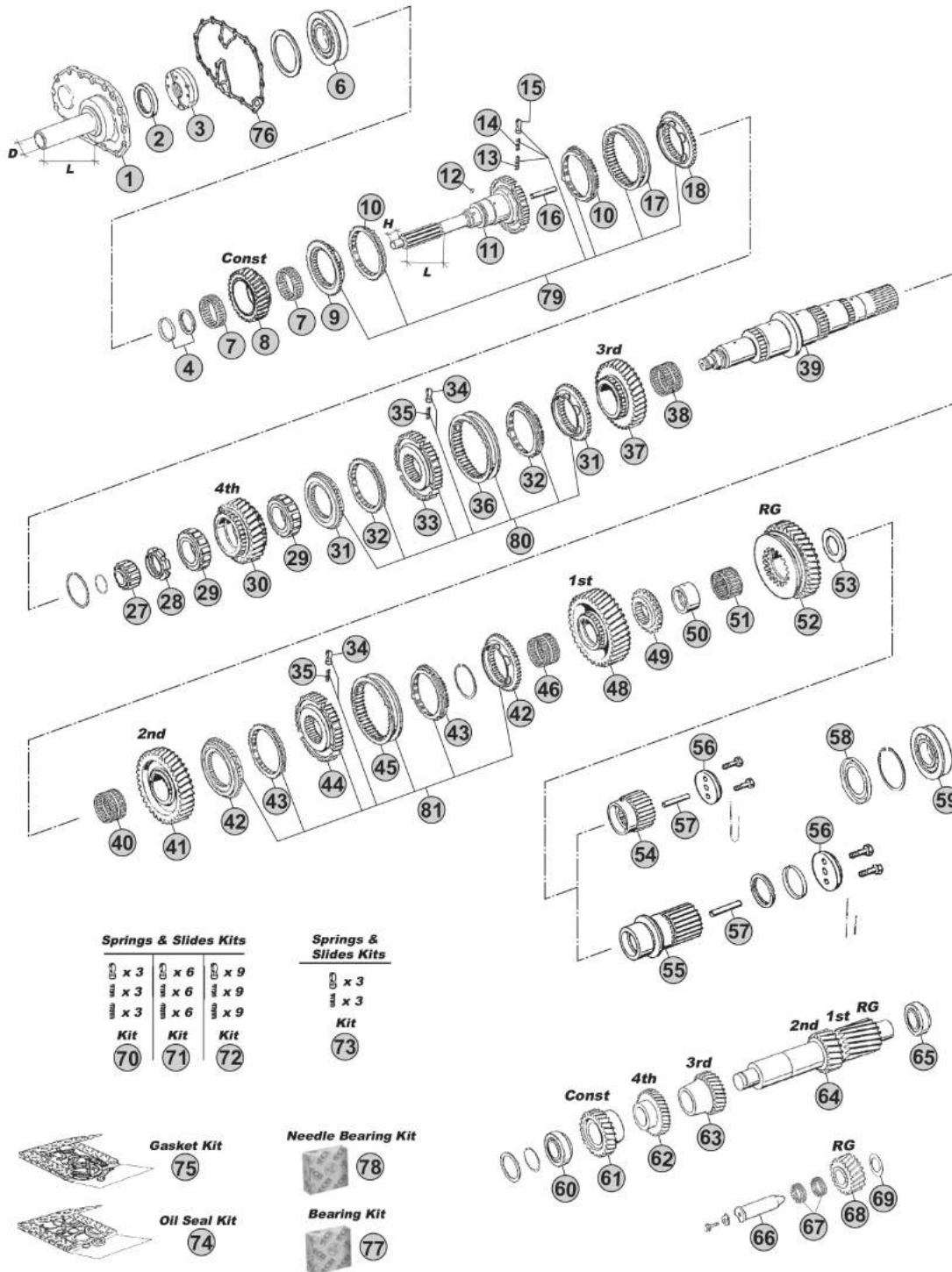
- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130/1 (1295 xxx xxx)



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Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S130/1				
1	128.339	1297 302 011	Front Cover	1	L=147-D=57	●				
2	139.937	0750 111 002	Oil Seal 48x75x8	1		●				
2	139.879	0734 310 387	Oil Seal 55x75x8	1	(13)	●				
2	239.003	0634 100 182	Oil Seal	1	(14)	●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●				
7	137.082	0735 320 786	Needle Cage 88x96x24,50	2		●				
8	145.276	1295 302 071	Constant Gear 28 T	1	AC	●				
8	145.489	1295 302 070	Constant Gear 30 T	1	B	●				
8	145.541	1295 302 122	Constant Gear 29 T	1	D	●				
9	109.072	1295 304 278	Synchronizer Cone	1		●				
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
11	102.250	1295 202 005	Input Shaft	1	L=95 D=32	●				
11	102.584	1295 202 052	Input shaft	1		●				
11	102.582	1295 221 003	Input shaft	1	With NMV130 (Clutch PTO)	●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.037	0732 040 385	Outer Spring De.6x34	3		●				
14	156.036	0732 040 386	Inner Spring De.3x34	3		●				
15	160.116	1240 304 278	Pressure Piece	3		●				
16	188.211	0730 062 323	Oil Plug	1		●				
17	154.097	1295 304 002	Sliding Sleeve	1		●				
18	109.072	1295 304 278	Synchronizer Cone	1		●				
27	137.081	0750 118 010	Roller Cage D.30x60x25,50	1		●				
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
29	137.083	0750 118 005	Roller Cage 63x97,5x34,80	2		●				
30	146.212	1295 304 135	Gear 4th Speed 30 T	1	AC	●				
30	146.356	1295 304 136	Gear 4th Speed 28 T	1	B	●				
30	146.454	1295 304 236	Gear 4th Speed 26 T	1	D	●				
31	109.114	1297 304 369	Synchronizer Cone	2		●				
32	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●				
32	119.167	1297 304 484	Synchronizer Ring	2	New Type	●				
33	157.140	1297 304 446	Synchronizer Hub	1		●				
34	160.189	1297 304 436	Pressure Piece	3	2x3 pcs.	●				
35	156.140	0732 040 409	Spring De.6,5x23,50	3	2x3 pcs.	●				
36	154.135	1310 304 202	Sliding Sleeve	1		●				
37	244.163	1295 304 269	Gear 3rd Speed 25 T	1	A	●				
37	145.495	1295 304 127	Gear 3rd Speed 32 T	1	BD	●				
37	145.277	1295 304 128	Gear 3rd Speed 34 T	1	C	●				
38	137.084	0735 320 418	Needle Cage 82x90x49	1		●				

Date

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Notes

(13) For Input shaft 1295 202 052

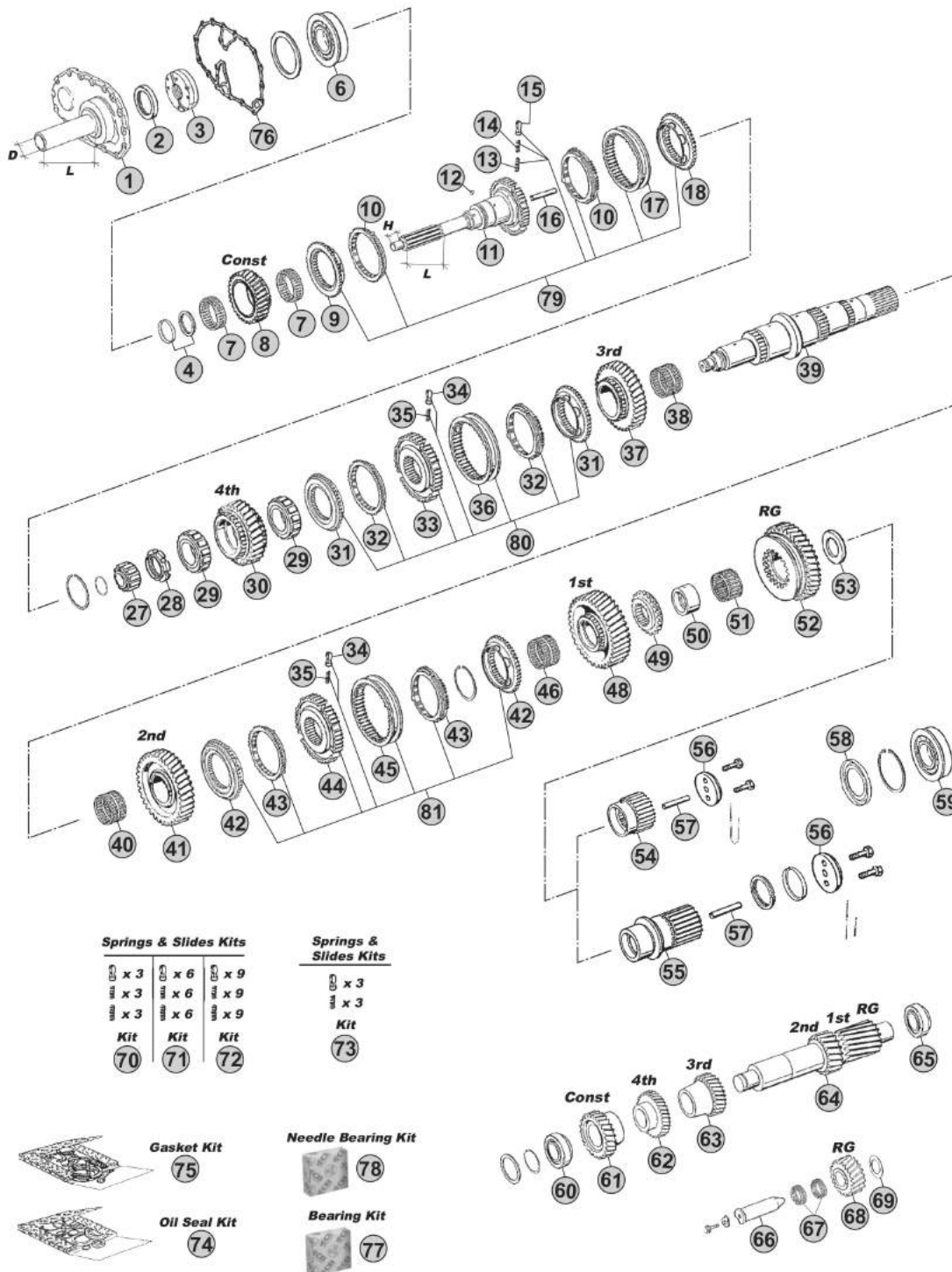
(14) For Input shaft 1295 221 003

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130/1 (1295 xxx xxx)



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Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S130/1				
39	103.274	1295 304 273	Main Shaft	1	A	●				
39	103.075	1295 304 245	Main Shaft	1	BC	●				
39	103.140	1295 304 250	Main Shaft	1	D	●				
40	137.112	0735 320 451	Needle Cage 82x90x60	1	A	●				
40	137.084	0735 320 418	Needle Cage 82x90x49	1	BCD	●				
41	244.164	1295 304 271	Gear 2nd Speed 34 T	1	A	●				
41	145.501	1295 304 120	Gear 2nd Speed 37 T	1	BD	●				
41	145.278	1295 304 121	Gear 2nd Speed 38 T	1	C	●				
42	109.113	1297 304 371	Synchronizer cone	2		●				
43	119.122	1297 304 401	Synchronizer Ring	2	Old Type	●				
43	119.166	1297 304 485	Synchronizer Ring	2	New Type	●				
44	157.139	1297 304 445	Synchronizer Hub	1		●				
45	154.136	1297 304 450	Sliding Sleeve	1		●				
46	137.159	0735 320 548	Needle Cage 70x78x46	1	A	●				
46	137.085	0735 320 496	Needle Cage 70x78x55	1	BCD	●				
48	244.165	1295 304 270	Gear 1st Speed 41 T	1	A	●				
48	145.506	1295 304 203	Gear 1st Speed 44 T	1	BD	●				
48	145.279	1295 304 202	Gear 1st Speed 47 T	1	C	●				
49	109.184	1295 304 024	Synchronizer Cone	1	A	●				
49	109.075	1295 304 206	Synchronizer Cone	1	BCD	●				
50	117.203	1295 304 012	Bush D.60x75x38	1	ABC	●				
51	137.086	0750 115 059	Needle Cage 75x83x40	1		●				
52	147.292	1295 304 272	Reverse Gear 39 T	1	A	●				
52	147.138	1295 304 201	Reverse Gear 39 T	1	BD	●				
52	147.093	1295 304 200	Reverse Gear 38 T	1	C	●				
53	169.409	1295 304 240	Thrust Washer	1	ABC	●				
54	157.112	1295 304 248	Sun Gear 27 T	1	ABC	●				
55	157.207	1295 304 251	Sun Gear 24 T	1	D	●				
56	188.076	1272 304 021	Stop Washer	1		●				
57	189.671	0730 061 842	Oil Tube	1		●				
58	139.922	1295 304 129	Oil Collector	1	ABC	●				
58	139.923	1297 301 004	Oil Collector	1	D	●				
59	130.240	0750 118 153	Bearing 60x130x31	1	ABC	●				
59	130.934	0750 118 137	Bearing 80x140x26	1	D	●				
60	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
61	146.210	1295 303 101	Constant Gear 34 T	1	AC	●				
61	146.354	1295 303 036	Constant Gear 31 T	1	B	●				
61	146.457	1295 303 060	Constant Gear 32 T	1	D	●				
62	146.209	1295 303 027	Gear 4th Speed 31 T	1	AC	●				
62	146.413	1295 303 028	Gear 4th Speed 34 T	1	B	●				
62	146.461	1295 303 094	Gear 4th Speed 35 T	1	D	●				
63	146.751	1295 303 071	Gear 3rd Speed 36 T	1	A	●				
63	146.355	1295 303 025	Gear 3rd Speed 28 T	1	BD	●				

 ECOSPLIT-II
16S130/1

Date

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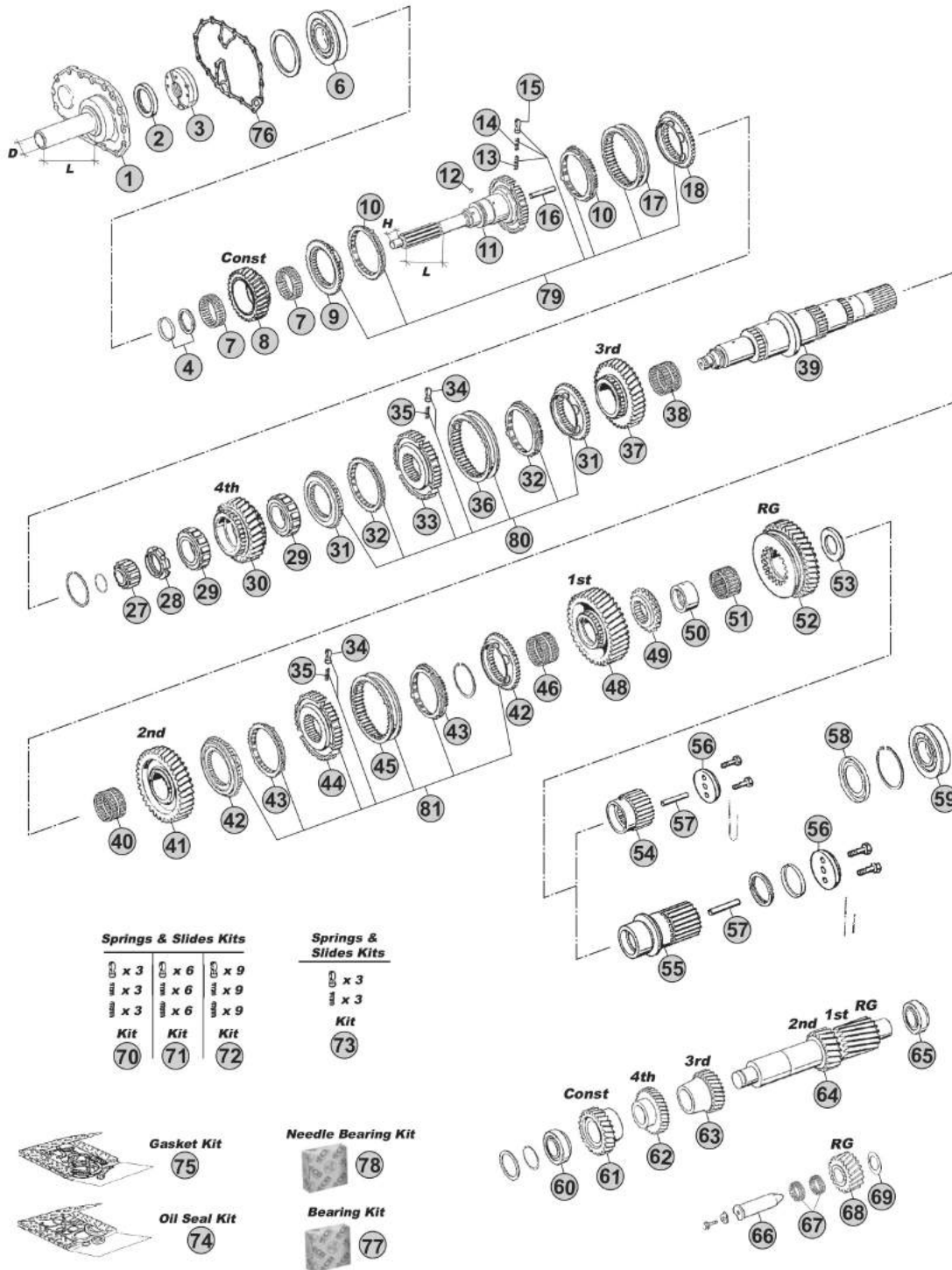
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S130/1 (1295 xxx xxx)



Notes

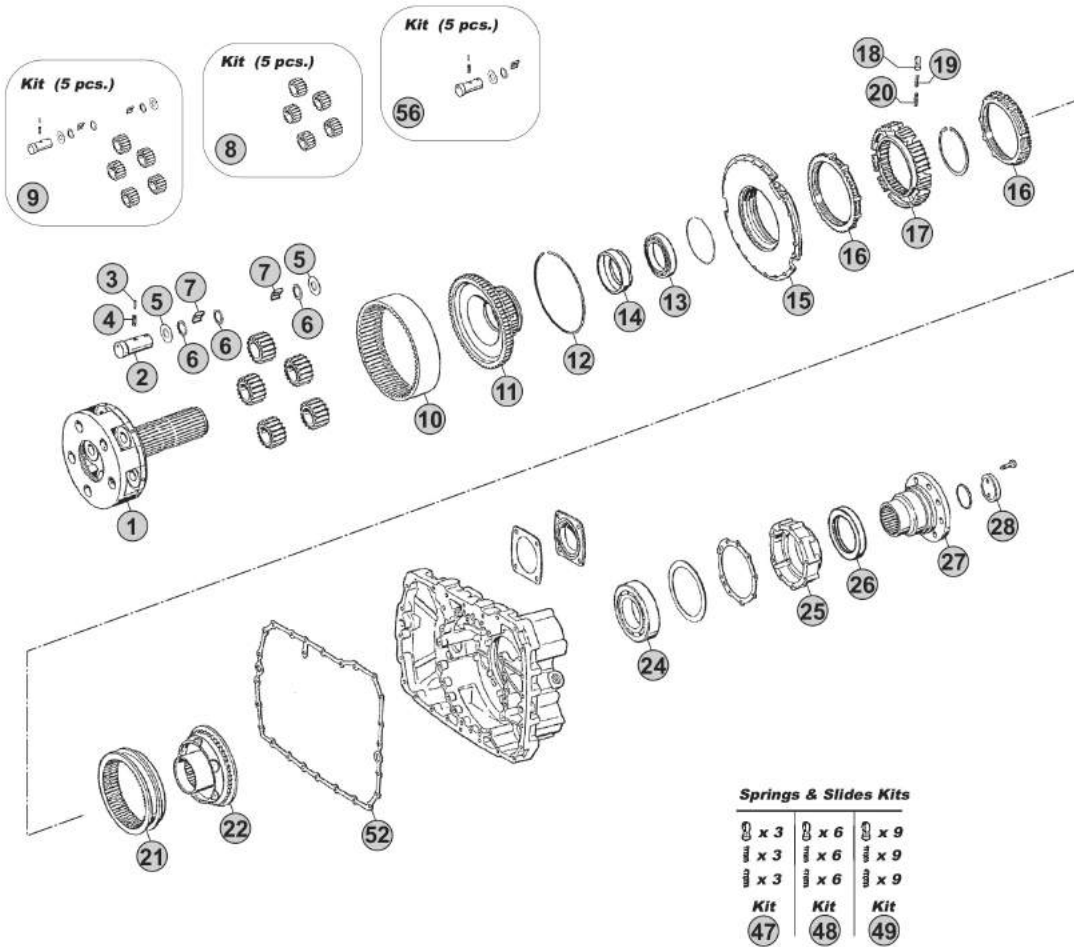
- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

MODELS:

- ECOSPLIT I-II

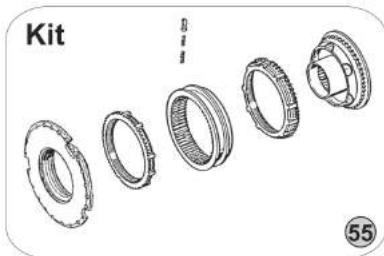
VERSIONS:

- 16S130/1 (1295 xxx xxx)

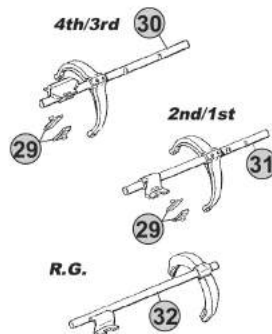


Springs & Slides Kits

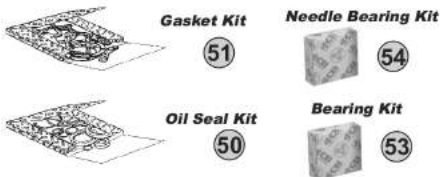
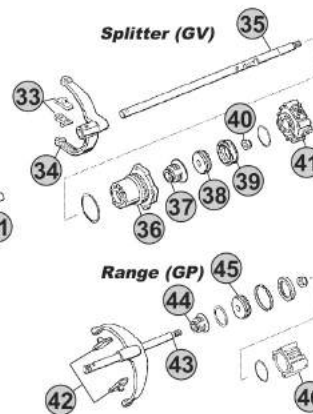
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
47	48	49



Shifting Forks



Splitter (GV)



Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S130/1			
1	190.169	1295 232 044	Planetary Carrier	1	ABC	●			
1	190.395	1297 232 045	Planetary Carrier	1	D	●			
2	107.089	1269 332 036	Planetary Pin	5	ABC	●			
2	107.163	1297 332 109	Planet pin	5	D	●			
3	160.191	0631 329 017	Lock Pin 3x24	5		●			
4	160.192	0631 329 050	Lock Pin 5x24	5		●			
5	169.408	0501 305 887	Thrust Washer 29x57,5x1,5	10	ABC	●			
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10	D	●			
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●			
7	171.016	0735 470 057	Needle D.6x14,75 (180 pcs)	180	ABC	●			
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120	D	●			
8	198.357	1295 232 027	Planetary Gear Set (5 pcs)	1	ABC	●			
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	D	●			
9	198.562	1296 298 904	Planetary Gear Set	1	ABC	●			
10	123.162	1295 332 053	Crown Gear 83 T	1	ABC	●			
10	123.208	1295 332 086	Crown Gear 86 T	1	D	●			
11	150.112	1295 332 021	Carrier Hub 83 T	1	ABC	●			
11	150.137	1297 332 035	Carrier Hub 86 T	1	D	●			
12	111.129	0730 505 055	Locking Wire	1	ABC	●			
12	111.198	0730 505 056	Locking Wire	1	D	●			
13	130.244	0750 116 166	Bearing 75x105x16	1	ABC	●			
13	130.310	0750 116 165	Bearing 80x110x16	1	D	●			
14	119.255	1297 332 122	Intermediate Ring	1	D	●			
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●			
22	198.359	1295 233 025	Synchronizer Cone (36 Spl.)	1	ABC	●			
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1	D	●			
24	130.245	0750 116 394	Bearing 90x160x30	1		●			
25	128.260	1296 301 067	Cover	1		●			
25	128.098	1315 301 220	Cover	1		●			
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●			
27	197.161	1295 338 061	Output Flange D.180 mm	1	D.180-4 H. ABC	●			
27	197.167	1297 338 041	Output Flange D.180 mm	1	D.180-4 H. D	●			
28	188.077	1295 332 051	Stop Washer	1		●			
29	141.163	1297 306 120	Slide	2	2x2 pcs.	●			
30	298.812	1295 206 212	Complete Fork	1		●			
31	298.816	1295 206 217	Complete Fork	1		●			

ECOSPLIT-II
16S130/1

Date

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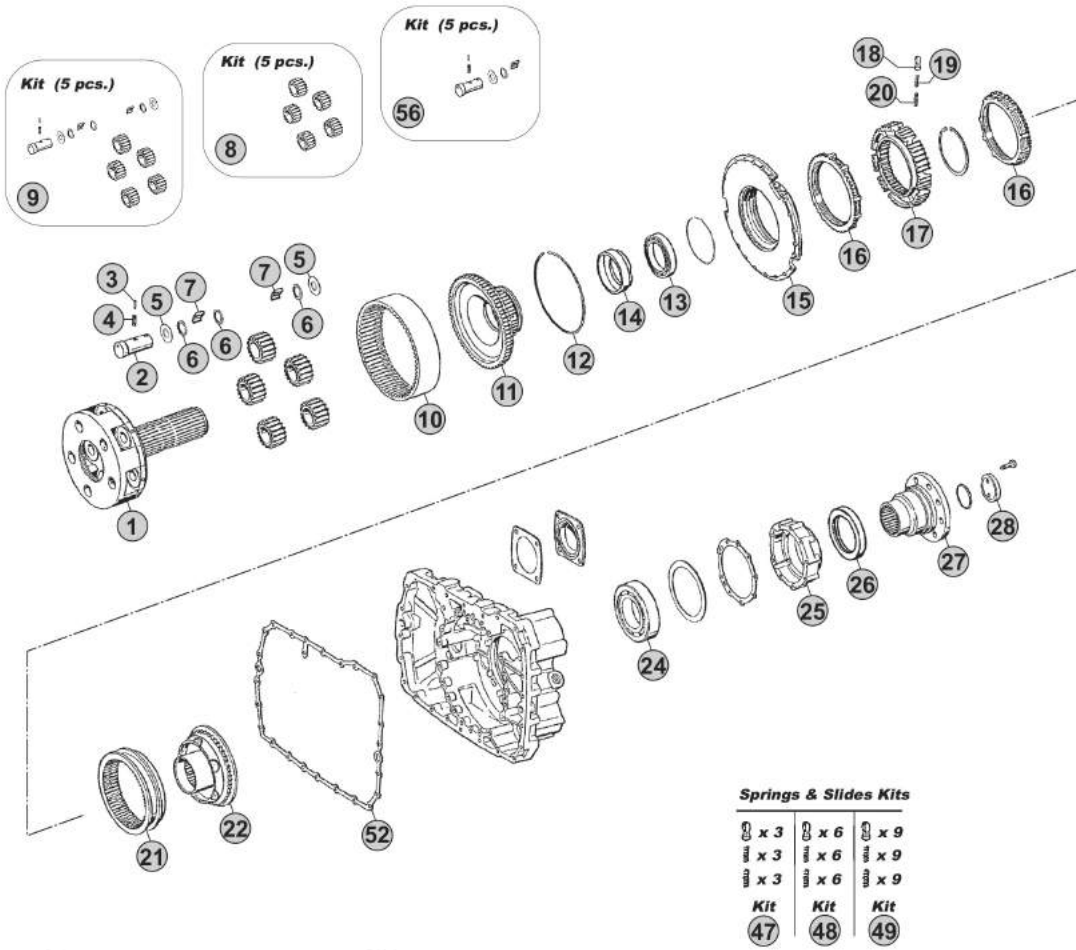
Notes

MODELS:

- ECOSPLIT I-II

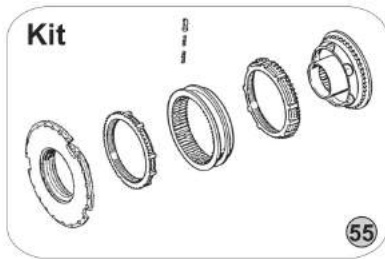
VERSIONS:

- 16S130/1 (1295 xxx xxx)

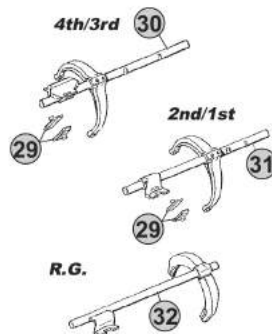


Springs & Slides Kits

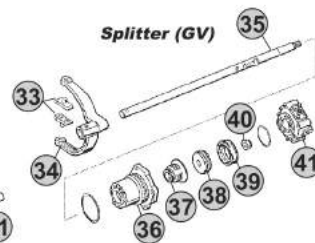
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
47	48	49



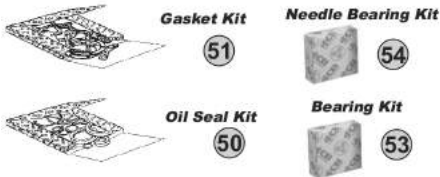
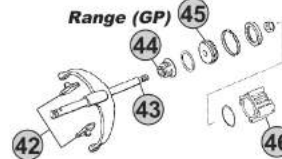
Shifting Forks



Splitter (GV)



Range (GP)



Notes

- (A) R. 10,14-0,72
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165150				
1	128.346	1312 302 036	Front Cover	1	L=170 -D=60	●				
1	128.347	1312 302 096	Front Cover	1	L=147-D=60	●				
1	128.371	1312 302 054	Front Cover	1		●				
2	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
2	239.003	0634 100 182	Oil Seal	1	(13)	●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.408	1499 298 136	Shims Kit Th. 4,35mm	1		●				
4	298.409	1499 298 135	Shims Kit Th. 4,30mm	1		●				
4	298.410	1499 298 134	Shims Kit Th. 4,25mm	1		●				
4	298.411	1499 298 133	Shims Kit Th. 4,20mm	1		●				
4	298.412	1499 298 132	Shims Kit Th. 4,15mm	1		●				
4	298.413	1499 298 131	Shims Kit Th. 4,10mm	1		●				
4	298.419	1499 298 130	Shims Kit Th. 4,05mm	1		●				
4	298.420	1499 298 129	Shims Kit Th.4,00 mm	1		●				
4	298.421	1499 298 128	Shims Kit Th.3,95 mm	1		●				
4	298.422	1499 298 127	Shims Kit Th.3,90 mm	1		●				
4	298.423	1499 298 126	Shims Kit Th.3,85 mm	1		●				
4	298.424	1499 298 125	Shims Kit Th.3,80 mm	1		●				
6	130.306	0750 117 431	Bearing 75x150x30,50	1		●				
7	137.148	0750 115 310	Needle Cage D.93x101x25	2		●				
8	145.557	1313 302 036	Constant Gear 34 T	1	B	●				
8	145.525	1313 302 035	Constant Gear 30 T	1	C	●				
9	109.134	1312 304 027	Synchronizer Cone	1		●				
10	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●				
10	119.167	1297 304 484	Synchronizer Ring	2	New Type	●				
11	102.234	1313 202 013	Input Shaft	1	L=115 H=32	●				
11	102.590	1313 202 016	Input Shaft	1		●				
11	102.591	1313 221 004	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.241	1313 202 015	Input Shaft	1		●				
11		1313 202 017	Input Shaft	1		●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.140	0732 040 409	Spring De.6,5x23,50	3	3x3 pcs.	●				
14	160.189	1297 304 436	Pressure Piece	3	3x3 pcs.	●				
15	189.630	1315 302 196	Tube	1		●				
16	189.631	0630 502 027	Ring	1		●				
17	189.632	0501 314 060	Diaphragm	1		●				
18	154.135	1310 304 202	Sliding Sleeve	1		●				
19	109.133	1312 304 056	Synchronizer Cone	1		●				
20	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				
20	298.393	1499 298 026	Shims Kit Th=4,90mm	1		●				
20	298.394	1499 298 025	Shims Kit Th=4,80mm	1		●				
20	298.395	1499 298 024	Shims Kit Th=4,70mm	1		●				
20	298.396	1499 298 023	Shims Kit Th=4,60mm	1		●				

Date

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Notes

(13) For Input shaft 1313 221 004

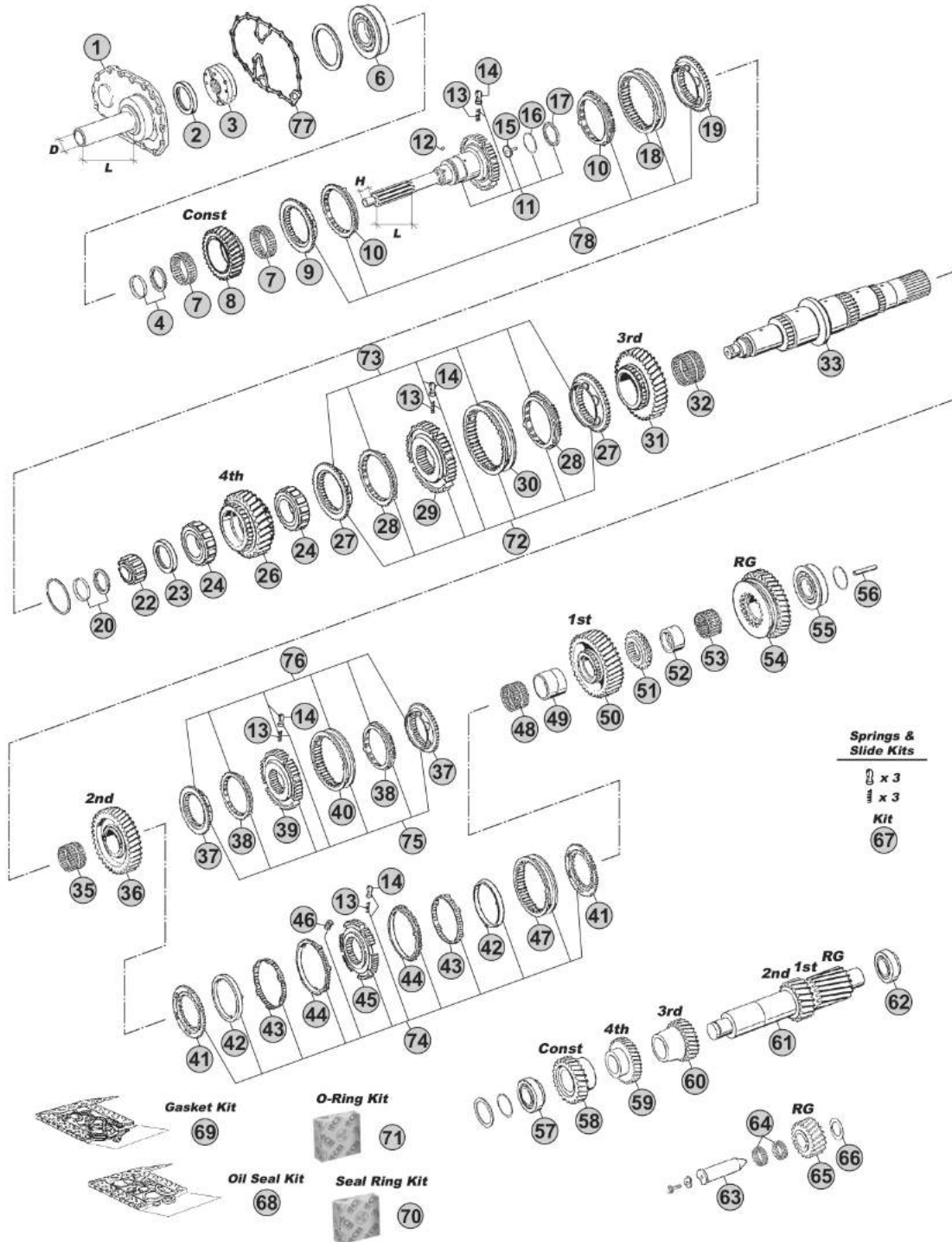
 ECOSPLIT I-II
16S150

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S150 (1313 xxx xxx)



Notes

(B) R. 13,80-0,84

(C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S150			
22	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
23	111.445	1315 304 051	Ring	1	S.8,30 mm	●			
24	137.156	0750 118 198	Roller Cage 67x101x32	2		●			
26	146.476	1313 304 005	Gear 4th Speed 30 T	1	B	●			
26	146.442	1296 304 131	Gear 4th Speed 34 T	1	C	●			
27	109.134	1312 304 027	Synchronizer Cone	2	(20)	●			
27	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
27	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
27	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
28	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●			
28	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●			
28	119.217	1316 304 168	Synchronizer Ring	2	(21)	●			
28	119.308	1316 304 189	Synchronizer Ring	2	(22)	●			
28	119.327	1316 304 196	Synchronizer Ring	2	(23)	●			
29	157.180	1312 304 052	Synchronizer Hub	1	(20)	●			
29	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
29	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
30	154.135	1310 304 202	Sliding Sleeve	1	(20)	●			
30	154.357	1316 304 167	Sliding Sleeve	1	(21)	●			
30	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●			
31	145.496	1313 304 080	Gear 3rd Speed 32 T	1	B	●			
31	145.526	1313 304 081	Gear 3rd Speed 34 T	1	C	●			
32	137.137	0735 321 087	Needle Cage 92x100x53	1		●			
33	103.135	1315 304 130	Main Shaft	1		●			
35	137.137	0735 321 087	Needle Cage 92x100x53	1		●			
36	145.502	1313 304 078	Gear 2nd Speed 37 T	1	B	●			
36	145.527	1313 304 077	Gear 2nd Speed 38 T	1	C	●			
37	109.132	1313 304 009	Synchronizer Cone	2	(31)	●			
37	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●			
37	109.824	1356 304 026	Synchronizer Cone	2	(34)	●			
38	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●			
38	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●			
38	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●			
38	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
39	157.189	1313 304 008	Synchronizer Hub	1	(31)	●			
39	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
39	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
40	154.202	1316 304 078	Sliding Sleeve	1	(31)	●			
40	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
40	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
41	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			
42	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●			
43	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●			

Date

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Notes

(20) Only for 3rd/4th Speed - First version - Do not mix

(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

(31) Only for 1st/2nd speed - First version (single 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

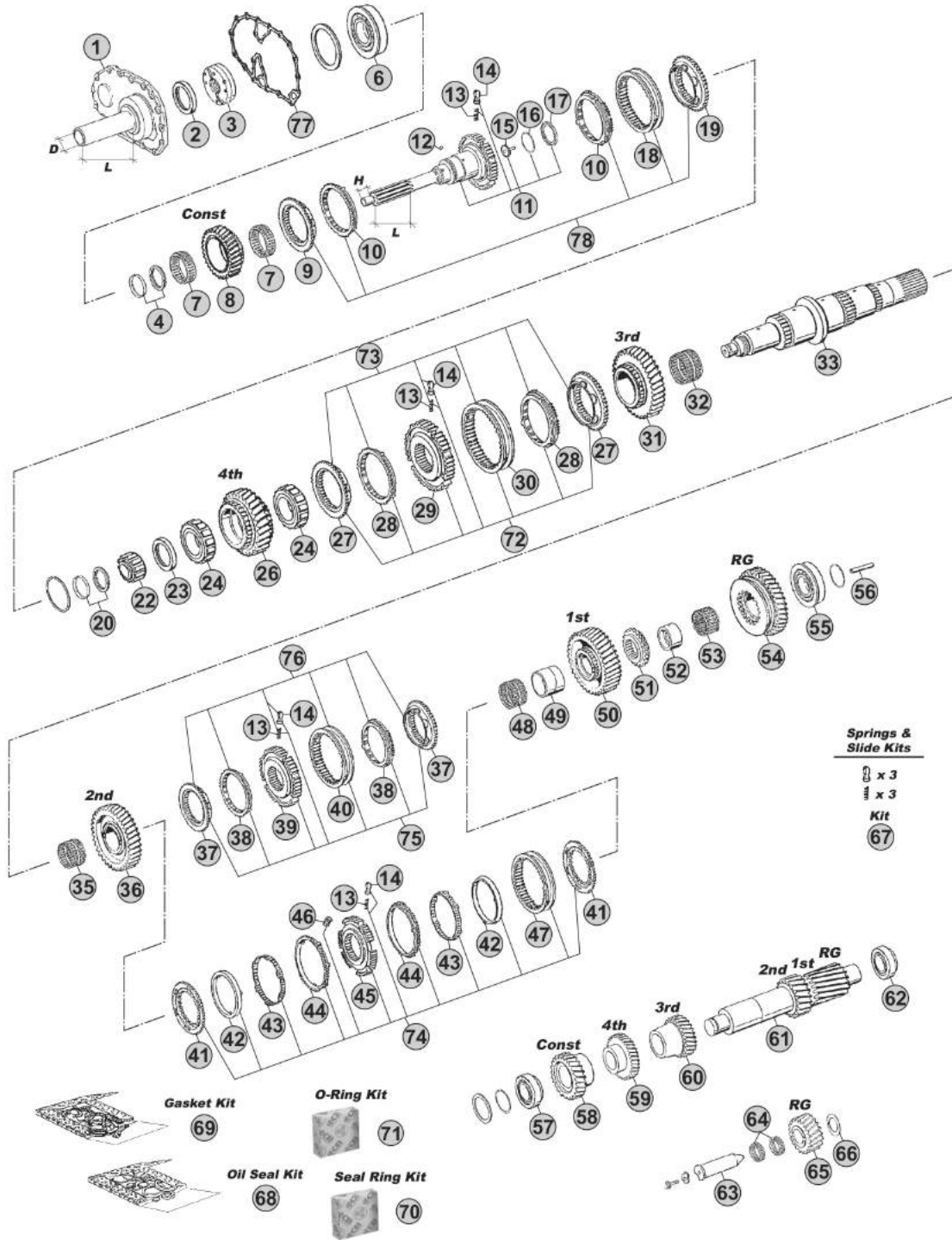
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S150 (1313 xxx xxx)



Notes

(B) R. 13,80-0,84

(C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S150				
44	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
45	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
46	156.176	1312 304 159	Slide	3	(30)	●				
47	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
48	137.160	0750 115 325	Needle Cage 96x104x55	1		●				
49	117.294	1313 304 038	Bush 95,94x85x54,95	1		●				
50	145.508	1313 304 039	Gear 1st Speed 44 T	1	B	●				
50	145.528	1313 304 070	Gear 1st Speed 47 T	1	C	●				
51	109.177	1313 304 037	Synchronizer cone	1		●				
52	117.293	1315 304 132	Bush 89,94x80x40,95	1		●				
53	137.162	0750 115 324	Roller Cage 90x98x41	1		●				
54	147.137	1313 304 042	Reverse Gear 39 T	1	B	●				
54	147.147	1313 304 041	Reverse Gear 38 T	1	C	●				
55	130.309	0750 117 677	Bearing 80x130x36	1		●				
56	188.209	1312 304 150	Oil Tube	1		●				
57	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
58	146.475	1313 303 004	Constant Gear 37 T	1	B	●				
58	146.443	1296 303 037	Constant Gear 39 T	1	C	●				
59	146.414	1313 303 003	Gear 4th Speed 39 T	1	B	●				
59	146.444	1296 303 036	Gear 4th Speed 37 T	1	C	●				
60	146.420	1313 303 002	Gear 3rd Speed 28 T	1	B	●				
60	146.445	1296 303 035	Gear 3rd Speed 26 T	1	C	●				
61	105.106	1313 303 010	Countershaft 19/23 T	1	B	●				
61	105.113	1313 303 011	Countershaft 17/20 T	1	C	●				
62	130.307	0750 117 011	Bearing 50,8x104,7x39,6	1		●				
63	107.108	1295 305 056	Reverse Gear Pin	1		●				
64	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
65	147.132	1313 305 002	Reverse Gear 21 T	1	B	●				
65	147.148	1313 305 001	Reverse Gear 24 T	1	C	●				
66	169.234	0730 150 064	Thrust Washer	1		●				
67	198.843		Spring Slide kit	1		●				
68	298.881	1312 298 902	Oil Seal Kit	1		●				
69	198.427	1295 298 915	Gasket Kit	1		●				
70	298.427	1312 298 901	Seal Ring Kit	1		●				
71	298.405	1295 298 916	O-Ring Kit	1		●				
72	198.812	1315 298 018	Synchro Kit	1	(20)	●				
72	298.021	1315 298 061	Synchro Kit	1	(21)	●				
73	298.291	1315 298 067	Synchro Kit	1	(21)	●				
73	298.288	1325 298 008	Synchro Kit	1	(22)	●				
73	196.442	1316 298 037	Synchro Kit	1	(23)	●				
74	198.969	1312 298 911	Synchro Kit	1	(30)	●				
75	198.972	1313 298 909	Synchro Kit	1	(31)	●				
75	298.020	1315 298 060	Synchro Kit	1	(32)	●				

 ECOSPLIT I-II
16S150
Date

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Notes

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

(20) Only for 3rd/4th Speed - First version - Do not mix

(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

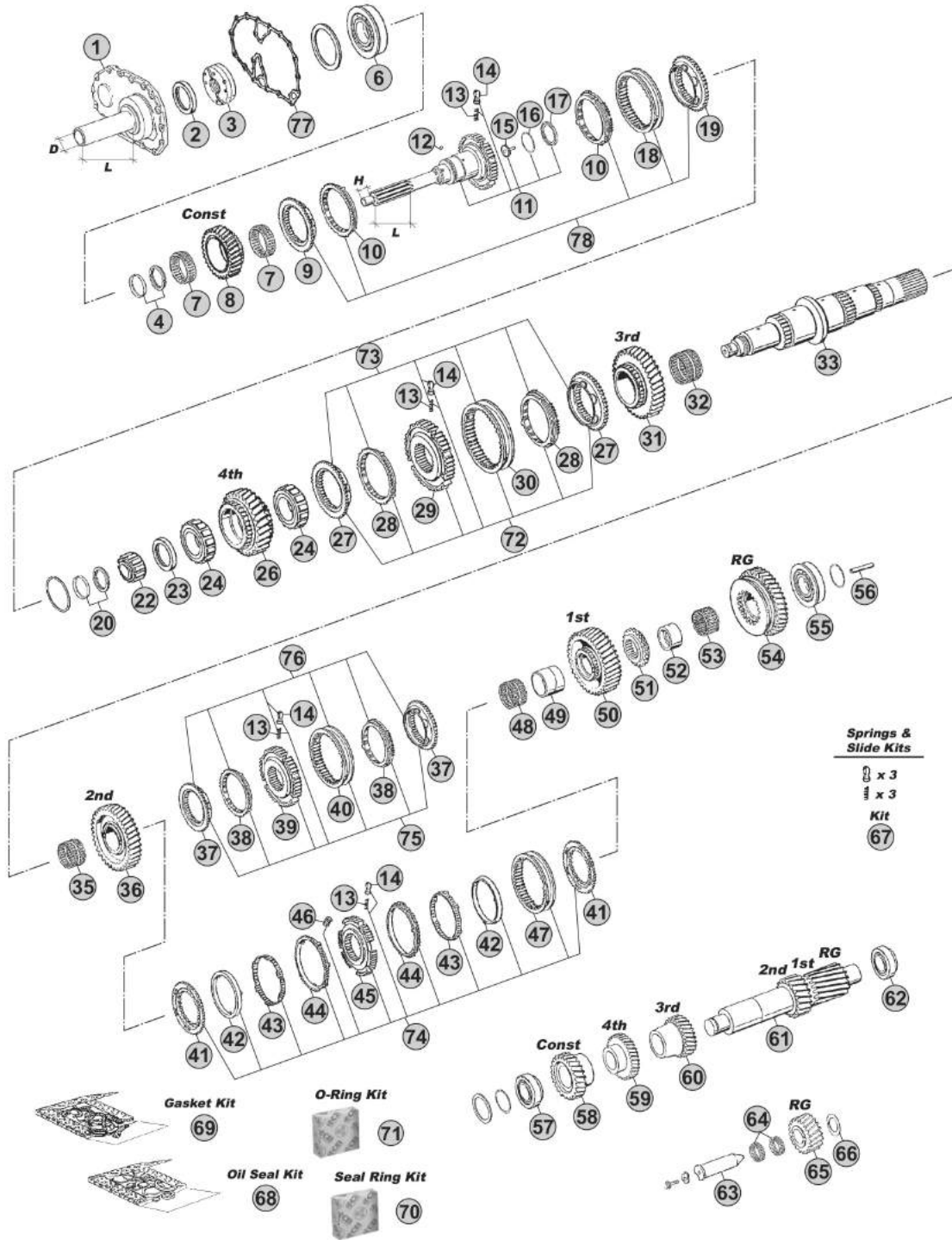
(31) Only for 1st/2nd speed - First version (single cone) - Do not mix

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S150 (1313 xxx xxx)



Notes

(B) R. 13,80-0,84

(C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S150						
76	298.286	1315 298 066	Synchro Kit	1	(32)	●						
76	298.287	1325 298 007	Synchro Kit	1	(33)	●						
76	196.440	1316 298 036	Synchro Kit	1	(34)	●						
77	139.686	1313 302 014	Gasket	1		●						
78	298.319	1297 298 955	Synchro Kit	1	W/"New Type" synchro rings	●						

ECOSPLIT I-II
16S150

Date
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Notes
 (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

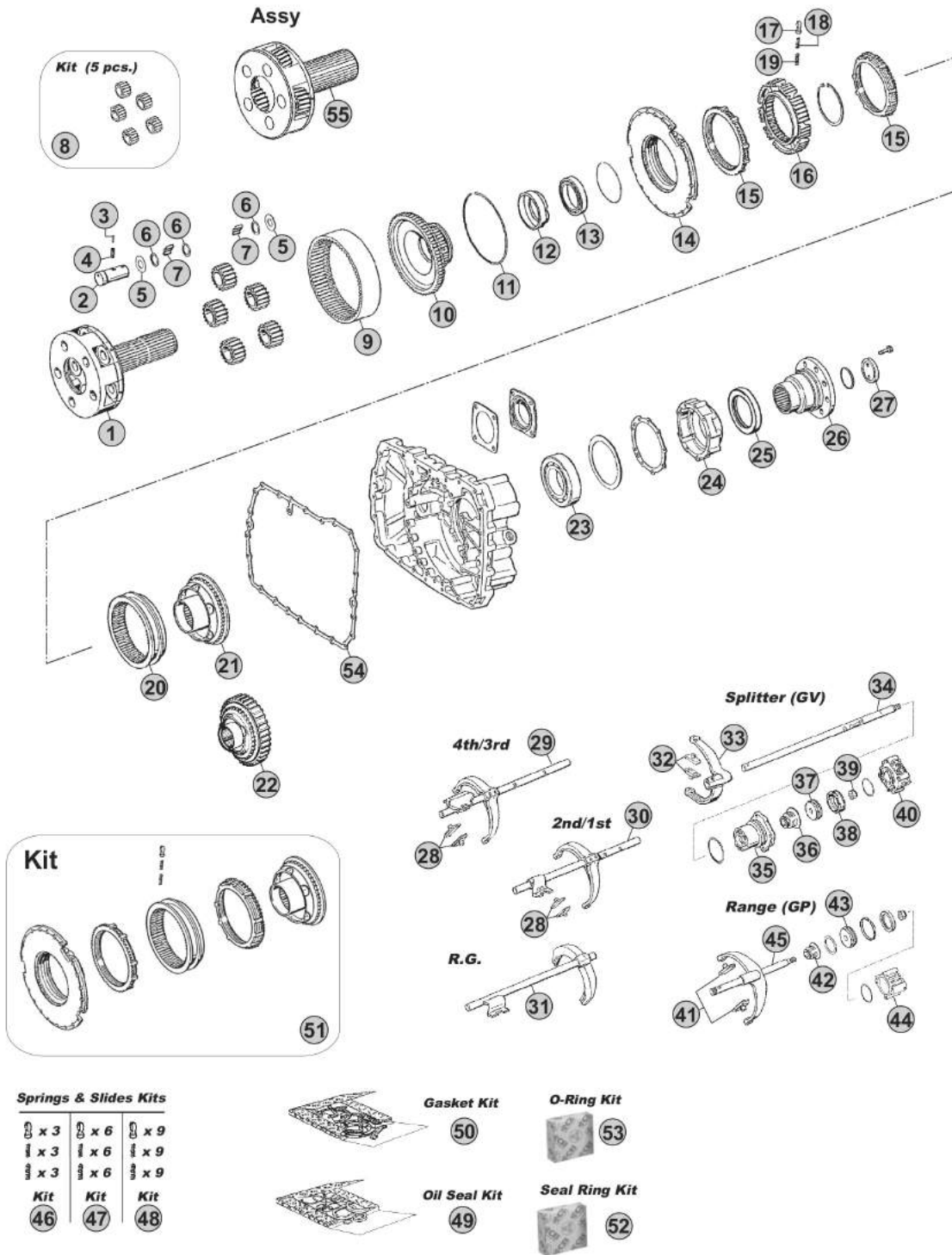


MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S150 (1313 xxx xxx)



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Notes

- (B) R. 13,80-0,84
- (C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165150				
1	190.393	1315 232 023	Planetary Carrier	1		●				
2	107.164	1296 332 005	Planet Shaft	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	123.208	1295 332 086	Crown Gear 86 T	1		●				
10	150.133	1313 332 020	Carrier Hub 86 T	1		●				
11	111.198	0730 505 056	Locking Wire	1		●				
12	119.255	1297 332 122	Intermediate Ring	1		●				
13	130.310	0750 116 165	Bearing 80x110x16	1		●				
14	198.358	1296 233 006	Synchro Cone	1		●				
15	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
15	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
16	157.182	1313 333 001	Synchronizer Hub	1		●				
17	160.116	1240 304 278	Pressure Piece	9		●				
18	156.036	0732 040 386	Inner Spring De.3x34	9		●				
19	156.037	0732 040 385	Outer Spring De.6x34	9		●				
20	154.098	1296 333 023	Sliding Sleeve	1	(60)	●				
20	154.434	1316 333 034	Sliding Sleeve	1	(61)	●				
21	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1	(60)	●				
21	109.775	1315 233 030	Synchronizer Cone (38 Spl.)	1	(61)	●				
22	109.772	1297 333 118	Synchronizer Cone (38 Spl.)	1	(60) With Retarder	●				
23	130.245	0750 116 394	Bearing 90x160x30	1		●				
24	128.098	1315 301 220	Cover	1		●				
25	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
26	197.251	1313 338 002	Output Flange	1	D.180-4 H.	●				
26	197.252	1313 338 011	Output Flange	1	D.204-4 H.	●				
27	188.077	1295 332 051	Stop Washer	1		●				
28	141.163	1297 306 120	Slide	2	2x2 pcs.	●				
29		1313 206 002	Fork	1		●				
29		1313 206 005	Fork	1		●				
29		1313 206 011	Fork	1	(10)	●				
30		1313 206 001	Fork	1		●				
30		1313 206 004	Fork	1		●				
30		1313 206 031	Fork	1	(10)	●				
31		1313 206 015	Fork	1		●				
31		1313 206 016	Fork	1		●				
31		1313 206 026	Fork	1	(10)	●				
32	141.163	1297 306 120	Slide	2		●				
33	141.086	1313 312 002	Shift Yoke	1		●				

 ECOSPLIT I-II
16S150
Date

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Notes

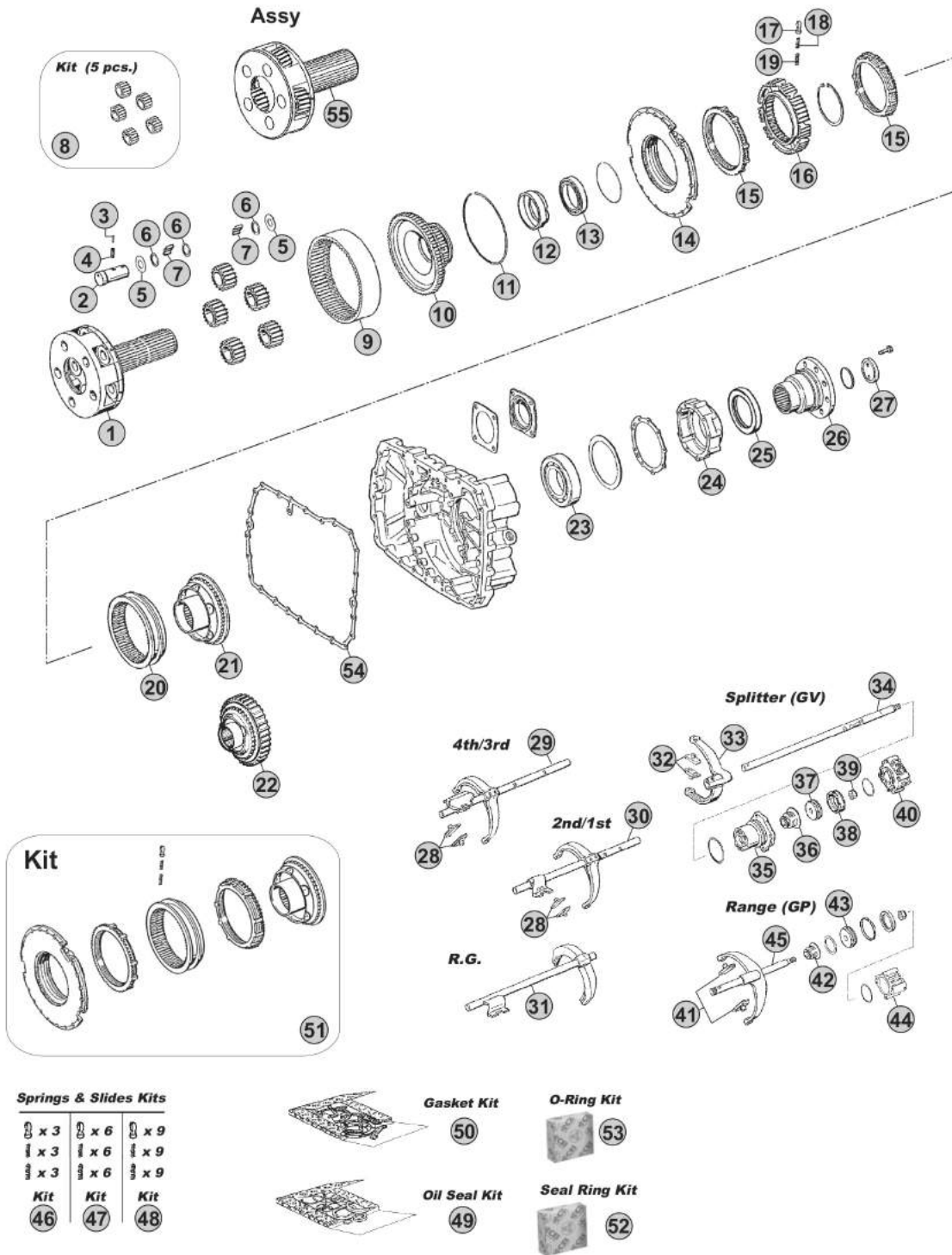
(60) Only for old version
 (61) Only for new version
 (10) Only pneumatic version

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S150 (1313 xxx xxx)



Notes

(B) R. 13,80-0,84

(C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S150			
34	149.278	1312 312 002	Rod	1		●			
35	132.046	1296 312 042	Cylinder	1		●			
36	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
37	188.276	1312 312 003	Piston	1		●			
37	188.277	1312 312 015	Piston	1	(10)	●			
38	139.912	0750 112 089	Ring 53x63x16,2	1		●			
38	111.446	0750 112 048	Ring 53x63x5	1	(10)	●			
39	287.091	0737 300 037	Nut	1		●			
40	132.084	0750 132 032	Cylinder	1		●			
40	280.350	0750 132 033	Cylinder	1		●			
41	141.085	1296 334 004	Bronze Slide	2		●			
42	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
43	189.422	1296 334 039	Piston	1	(1)	●			
43	188.278	1297 334 056	Piston	1	(2)	●			
44	132.047	1295 334 075	Cylinder	1	(1)	●			
44	132.036	1297 334 055	Cylinder	1	(2)	●			
45		1313 234 011	Fork	1		●			
45		1313 234 012	Fork	1	(10)	●			
46	198.339	1268 298 938	Spring Slide kit	1		●			
47	198.564		Spring Slide kit	1		●			
48	198.842	1295 298 933	Spring Slide kit	1		●			
49	298.881	1312 298 902	Oil Seal Kit	1		●			
50	198.427	1295 298 915	Gasket Kit	1		●			
51	198.748	1295 298 939	Synchronizer kit	1	(60) Old Type	●			
52	298.427	1312 298 901	Seal Ring Kit	1		●			
53	298.405	1295 298 916	O-Ring Kit	1		●			
54	139.685	1313 301 037	Gasket	1		●			
55	298.865		Planetary Carrier	1		●			

ECOSPLIT I-II
16S150

Date
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Notes
(10) Only pneumatic version
(1) To be coupled together
(2) To be coupled together
(60) Only for old version

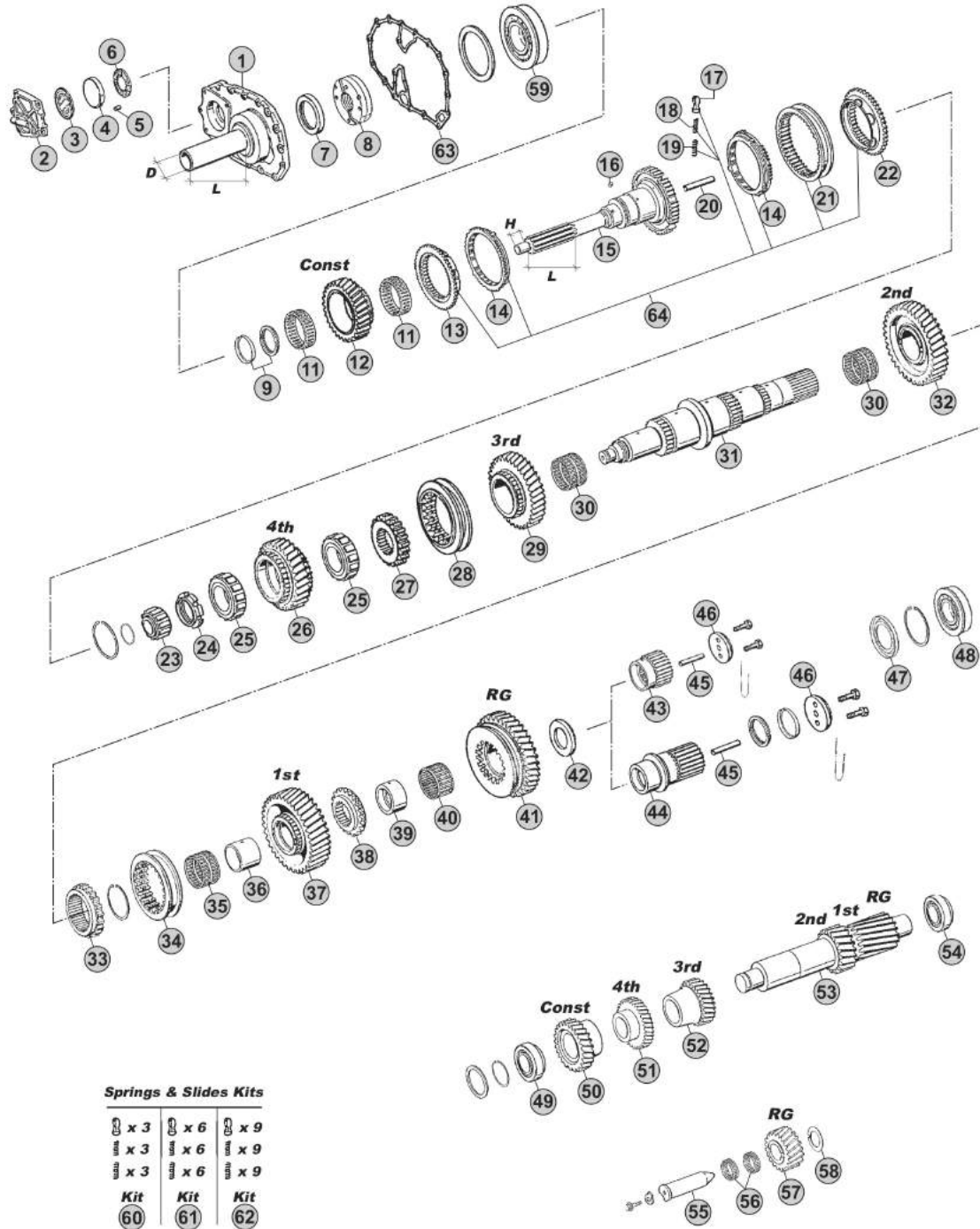


MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K160 (1297 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

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K160				
1	128.366	1297 302 018	Front Cover	1	L=170 D=54	●				
1	128.367	1297 302 053	Front Cover	1	L=170 D=60	●				
1	128.223	1297 302 019	Front Cover	1		●				
2	128.369	1295 303 030	Oil Pump Cover	1		●				
3	269.072	0750 190 012	Washer	1		●				
4	188.275	1268 303 062	Piston	1		●				
5	160.318	0731 302 032	Pin	1		●				
6	269.670	1268 203 059	Washer	1		●				
7	139.937	0750 111 002	Oil Seal 48x75x8	1	(10)	●				
7	139.879	0734 310 387	Oil Seal 55x75x8	1	(11)	●				
7	239.003	0634 100 182	Oil Seal	1	(12)	●				
8	280.348	1295 202 041	Oil Pump	1		●				
9	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
9	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
9	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
11	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
12	145.466	1297 302 177	Constant Gear 30 T	1	A	●				
12	145.406	1297 302 176	Constant Gear 28 T	1	B	●				
12	145.405	1297 302 250	Constant Gear 29 T	1	C	●				
13	109.072	1295 304 278	Synchronizer Cone	1		●				
14	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
14	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
15	102.223	1297 202 053	Input Shaft	1	L=125 H=30	●				
15	102.247	1297 202 008	Input Shaft	1	L=118 H=25	●				
15	102.235	1297 202 011	Input Shaft	1	L=118 H=32	●				
15	102.585	1297 202 045	Input Shaft	1		●				
15	102.588	1297 221 006	Input Shaft	1	NMV130 (Clutch PTO)	●				
16	171.084	0635 470 012	Needle D.7x7	1		●				
17	160.116	1240 304 278	Pressure Piece	3		●				
18	156.036	0732 040 386	Inner Spring De.3x34	3		●				
19	156.037	0732 040 385	Outer Spring De.6x34	3		●				
20	188.211	0730 062 323	Oil Plug	1		●				
21	154.097	1295 304 002	Sliding Sleeve	1		●				
22	109.072	1295 304 278	Synchronizer Cone	1		●				
23	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
24	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
25	137.083	0750 118 005	Roller Cage 63x97,5x34,80	2		●				
26	145.529	1297 304 128	Gear 4th Speed 28 T	1	A	●				
26	145.420	1297 304 127	Gear 4th Speed 30 T	1	B	●				
26	145.530	1297 304 258	Gear 4th Speed 29 T	1	C	●				
27	157.195	1297 304 188	Fixed Hub 4th/5th Speed	1		●				
28	154.189	1297 304 120	Sliding Sleeve	1		●				
29	145.531	1297 304 116	Gear 3rd Speed 32 T	1	AC	●				

Date

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Notes

(10) For Input shaft 1297 202 008

(11) For Input shaft 1297 202 053

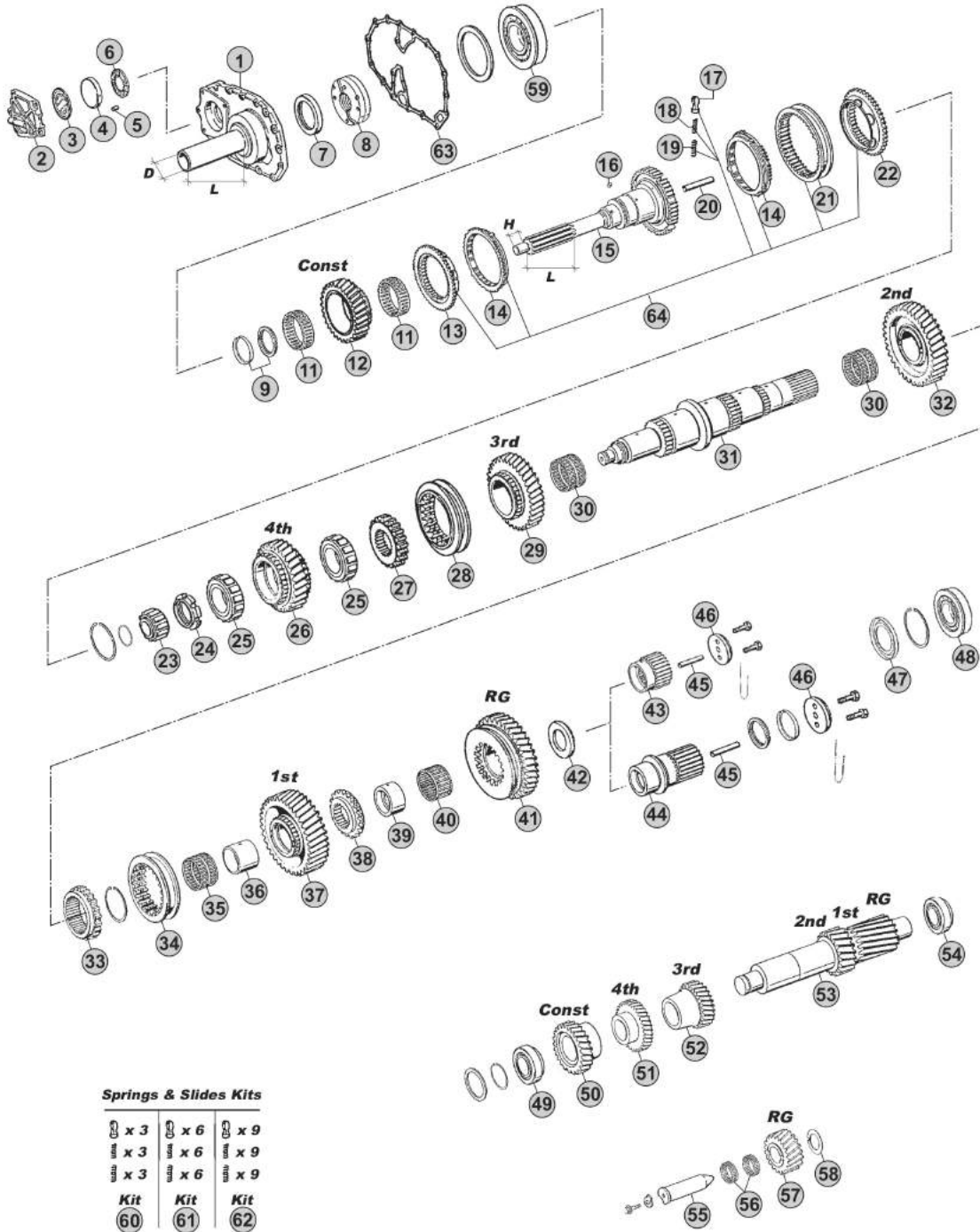
(12) For Input shaft 1297 221 006

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K160 (1297 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
60	61	62

Notes

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K160				
29	145.468	1297 304 115	Gear 3rd Speed 34 T	1	B	●				
30	137.084	0735 320 418	Needle Cage 82x90x49	2		●				
31	103.134	1297 304 179	Main Shaft	1	AB	●				
31	103.139	1297 304 264	Main Shaft	1	C	●				
32	145.532	1297 304 113	Gear 2nd Speed 37 T	1	AC	●				
32	145.467	1297 304 112	Gear 2nd Speed 38 T	1	B	●				
33	157.197	1295 304 235	Fixed Hub 1st/2nd Speed	1		●				
34	154.188	1297 304 119	Sliding Sleeve	1		●				
35	137.161	0735 320 568	Needle Cage D.82x90x53	1		●				
36	117.317	1297 304 055	Bush	1		●				
37	145.534	1297 304 151	Gear 1st Speed 44 T	1	AC	●				
37	145.469	1297 304 150	Gear 1st Speed 47 T	1	B	●				
38	109.178	1297 304 154	Synchronizer Cone	1		●				
39	117.318	1297 304 034	Bush	1	AB	●				
40	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
41	147.109	1297 304 149	Reverse Gear 39 T	1	AC	●				
41	147.140	1297 304 148	Reverse Gear 38 T	1	B	●				
42	169.758	1297 304 177	Thrust Washer	1	AB	●				
43	157.177	1297 304 187	Sun Gear 27 T	1	AB	●				
44	157.206	1297 304 265	Side Gear 24 T	1	C	●				
45	189.671	0730 061 842	Oil Tube	1		●				
46	188.076	1272 304 021	Stop Washer	1		●				
47	139.922	1295 304 129	Oil Collector	1	AB	●				
47	139.923	1297 301 004	Oil Collector	1	C	●				
48	130.240	0750 118 153	Bearing 60x130x31	1	AB	●				
48	130.934	0750 118 137	Bearing 80x140x26	1	C	●				
49	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
50	146.383	1297 303 074	Constant Gear 31 T	1	A	●				
50	146.322	1297 303 066	Constant Gear 34 T	1	B	●				
50	146.319	1297 303 098	Constant Gear 32 T	1	C	●				
51	146.382	1297 303 072	Gear 4th Speed 34 T	1	A	●				
51	146.381	1297 303 065	Gear 4th Speed 31 T	1	B	●				
51	146.447	1297 303 114	Gear 4th Speed 39 T	1	C	●				
52	146.446	1297 303 081	Gear 3rd Speed 28 T	1	AC	●				
52	146.380	1297 303 077	Gear 3rd Speed 25 T	1	B	●				
53	105.116	1297 303 048	Countershaft 19/23 T	1	AC	●				
53	105.309	1297 303 070	Countershaft 19-23 T	1	(20) AC	●				
53	105.091	1297 303 047	Countershaft 17/20 T	1	B	●				
54	130.243	0750 117 008	Bearing 50x110x42	1		●				
55	107.108	1295 305 056	Reverse Gear Pin	1		●				
56	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
57	147.133	1295 305 051	Reverse Gear 21 T	1	AC	●				
57	147.094	1295 305 052	Reverse Gear 24 T	1	B	●				

 ECOSPLIT I-II
16K160

Date

09/2014

Notes

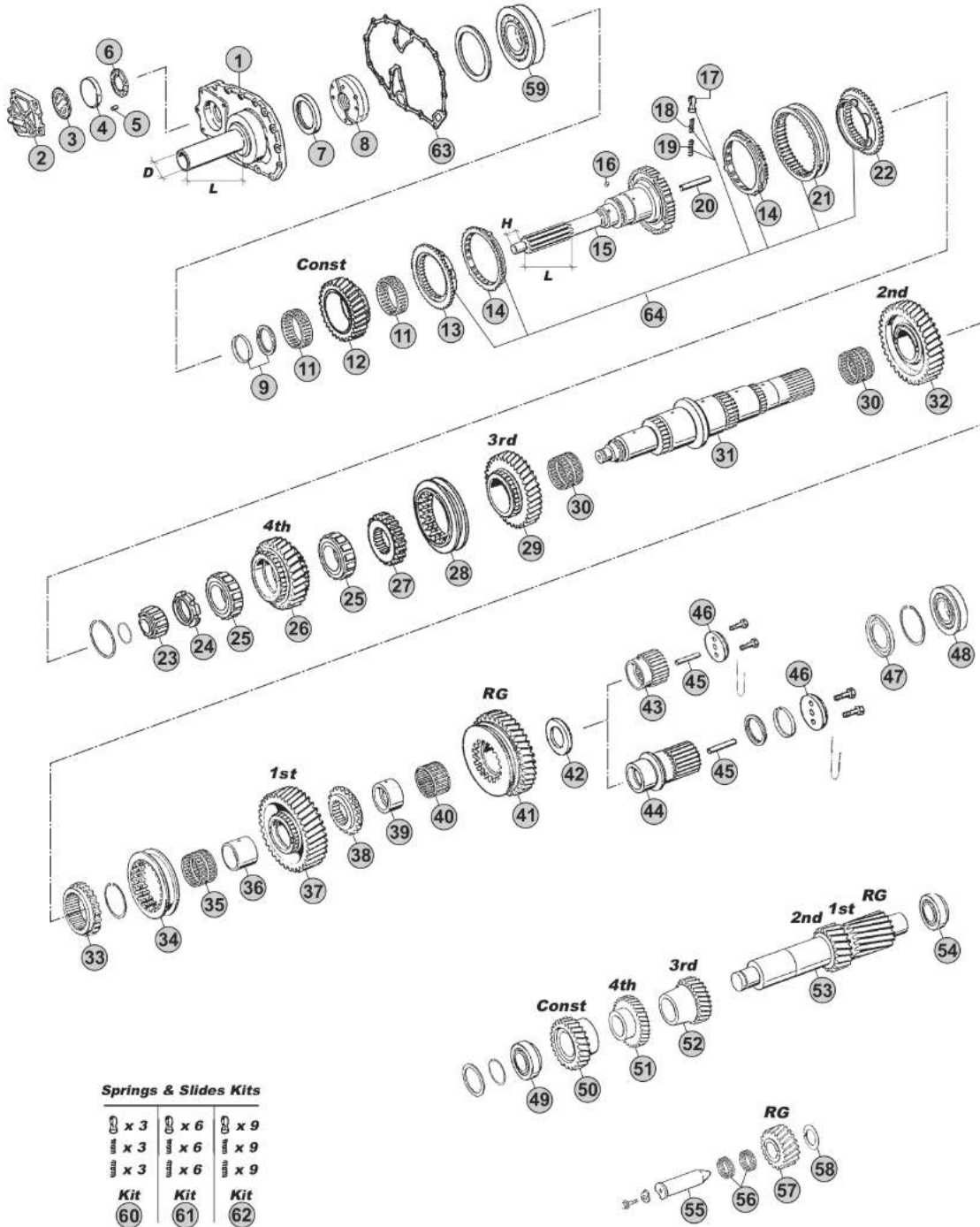
(20) Only for models having MNV130 (CLUTCH PTO)

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K160 (1297 xxx xxx)



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Notes

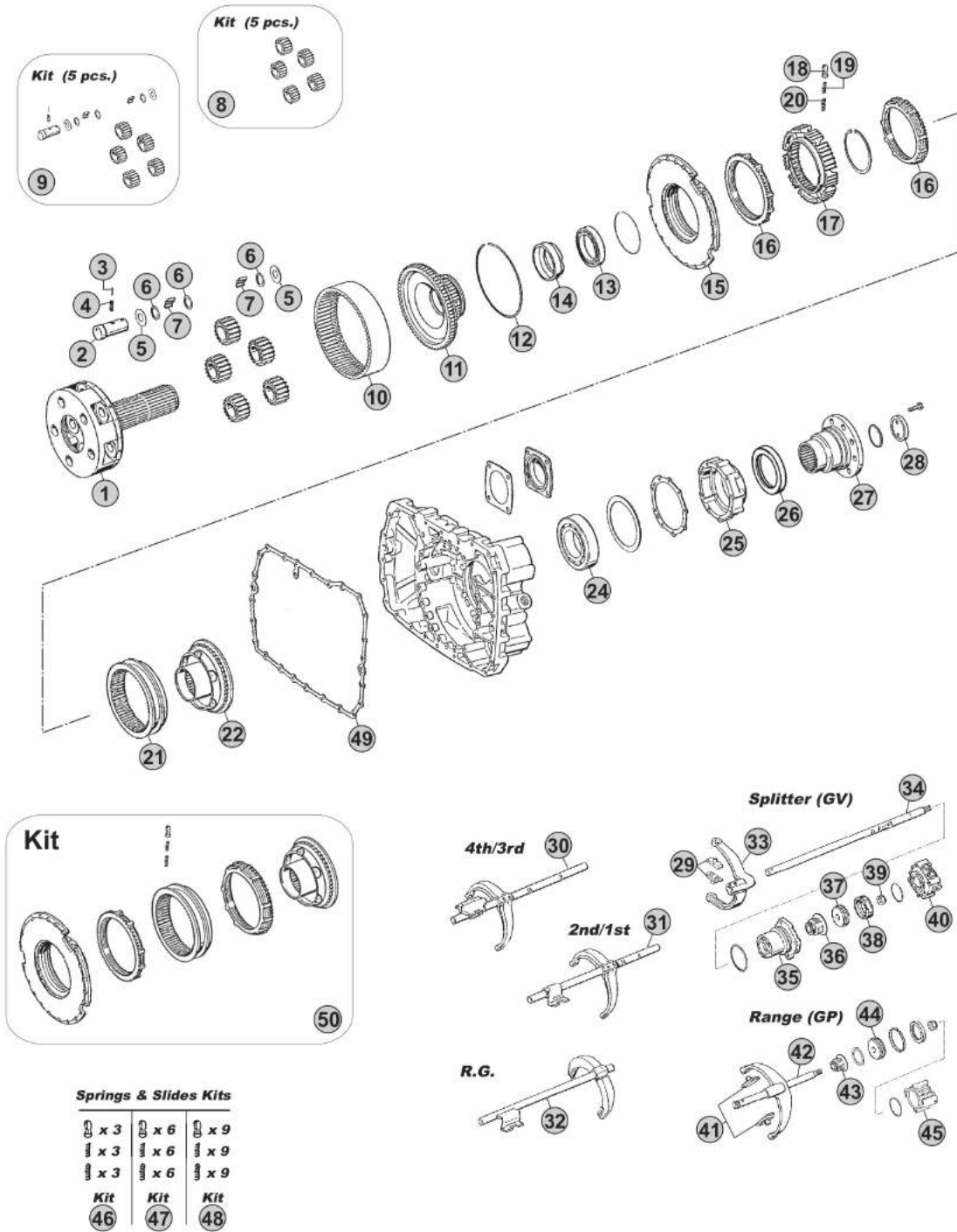
- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K160 (1297 xxx xxx)



Notes

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K160				
1	190.396	1297 232 039	Planetary Carrier	1	AB	●				
1	190.395	1297 232 045	Planetary Carrier	1	C	●				
2	107.163	1297 332 109	Planet pin	5		●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●				
8	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	AB	●				
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	C	●				
9	198.704	1297 298 912	Planetary Gear Set (5 pcs)	1	AB	●				
9	298.807	1297 298 919	Planetary Gear Set	1	C	●				
10	123.217	1297 332 080	Crown Gear 83 T	1	AB	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	C	●				
11	150.138	1297 332 017	Carrier Hub 83 T	1	AB	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	C	●				
12	111.129	0730 505 055	Locking Wire	1	AB	●				
12	111.198	0730 505 056	Locking Wire	1	C	●				
13	130.310	0750 116 165	Bearing 80x110x16	1		●				
14	119.255	1297 332 122	Intermediate Ring	1		●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●				
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.260	1296 301 067	Cover	1		●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.167	1297 338 041	Output Flange D.180 mm	1	D.180-4 H.	●				
27	197.162	1297 338 010	Output Flange D.180 mm	1	D.180-10 H.	●				
28	188.077	1295 332 051	Stop Washer	1		●				
29	141.068	1295 306 132	Bronze Slide	2		●				
30		1297 206 077	Fork	1		●				
30		1297 206 083	Fork	1		●				
31	141.248	1297 206 076	Fork	1		●				
31		1297 206 082	Fork	1		●				
32		1297 206 172	Fork	1		●				
32		1297 206 173	Fork	1		●				
32		1297 206 184	Fork	1		●				

ECOSPLIT I-II
16K160

Date

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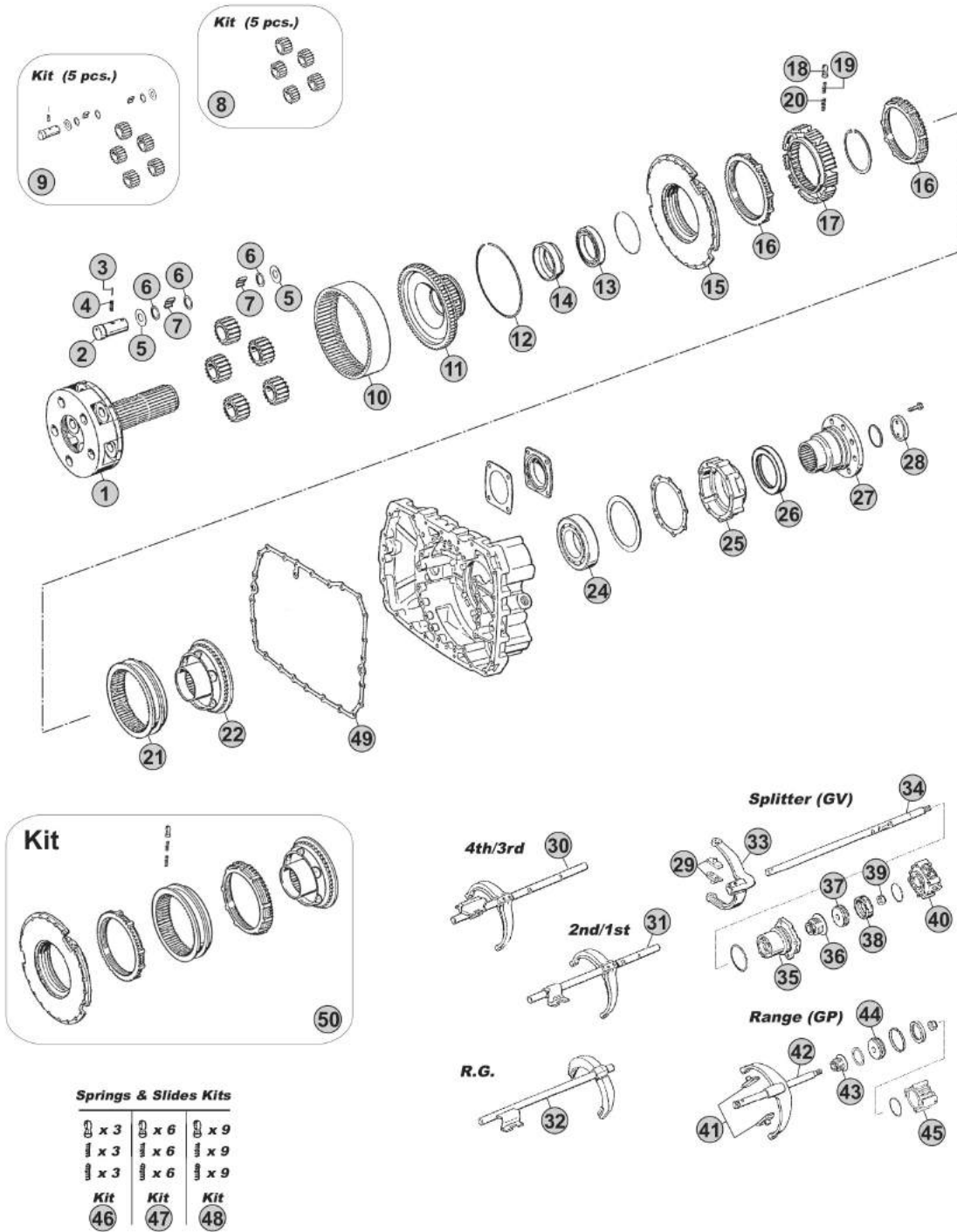
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K160 (1297 xxx xxx)



Notes

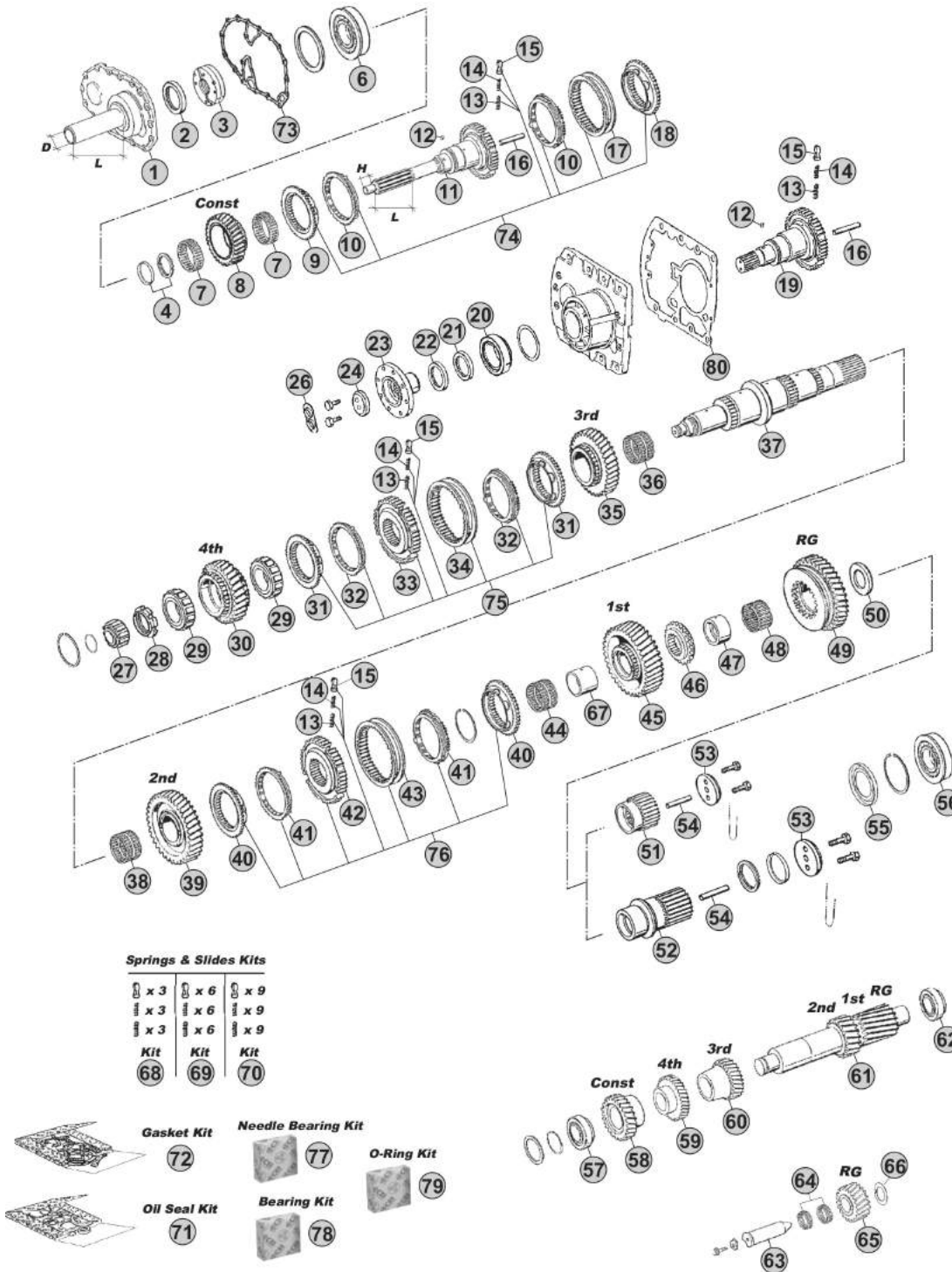
- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165160				
1	135.201	1297 302 042	Front Cover	1	L=170 D=60	●				
1	128.337	1297 302 013	Front Cover	1		●				
1	128.349	1297 302 107	Front Cover	1		●				
1	128.370	1297 302 239	Front Cover	1		●				
2	139.937	0750 111 002	Oil Seal 48x75x8	1		●				
2	239.003	0634 100 182	Oil Seal	1	(13)	●				
2	139.879	0734 310 387	Oil Seal 55x75x8	1	(14)	●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●				
6	130.517	0750 118 007	Bearing 75x150x31,5 mm	1	(20)	●				
7	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
7	137.163	0735 358 155	Needle Cage	2	(20)	●				
8	145.466	1297 302 177	Constant Gear 30 T	1	B	●				
8	145.406	1297 302 176	Constant Gear 28 T	1	C	●				
8	145.449	1297 302 074	Constant Gear 28 T	1	(20) C	●				
8	145.405	1297 302 250	Constant Gear 29 T	1	D	●				
8	145.407	1297 302 241	Constant Gear 26 T	1	E	●				
9	109.072	1295 304 278	Synchronizer Cone	1		●				
9	109.083	1295 304 165	Synchronizer Cone	1	(20)	●				
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
11	102.223	1297 202 053	Input Shaft	1	L=125 H=30	●				
11	102.586	1297 202 061	Input Shaft	1		●				
11	102.233	1297 202 030	Input Shaf 48 T	1	L=145 H=30	●				
11	102.587	1297 221 005	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.588	1297 221 006	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.589	1297 221 009	Input Shaft	1	NMV130 (Clutch PTO)	●				
11	102.245	1297 202 004	Input Shaft	1		●				
11	102.247	1297 202 008	Input Shaft	1	L=118 H=25	●				
11	102.236	1297 202 009	Input Shaft	1	L=126 H=32	●				
11	102.235	1297 202 011	Input Shaft	1	L=118 H=32	●				
11	102.237	1297 202 044	Input Shaft	1		●				
11	102.540	1297 202 054	Input Shaft	1		●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.037	0732 040 385	Outer Spring De.6x34	3	3x3 pcs.	●				
14	156.036	0732 040 386	Inner Spring De.3x34	3	3x3 pcs.	●				
15	160.116	1240 304 278	Pressure Piece	3	3x3 pcs.	●				
16	188.211	0730 062 323	Oil Plug	1		●				
17	154.097	1295 304 002	Sliding Sleeve	1		●				
18	109.072	1295 304 278	Synchronizer Cone	1		●				

Date

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Notes

(13) For Input shaft 1297 221 005/006/009

(14) For Input shaft 1295 202 028 - 1297 202 030/061

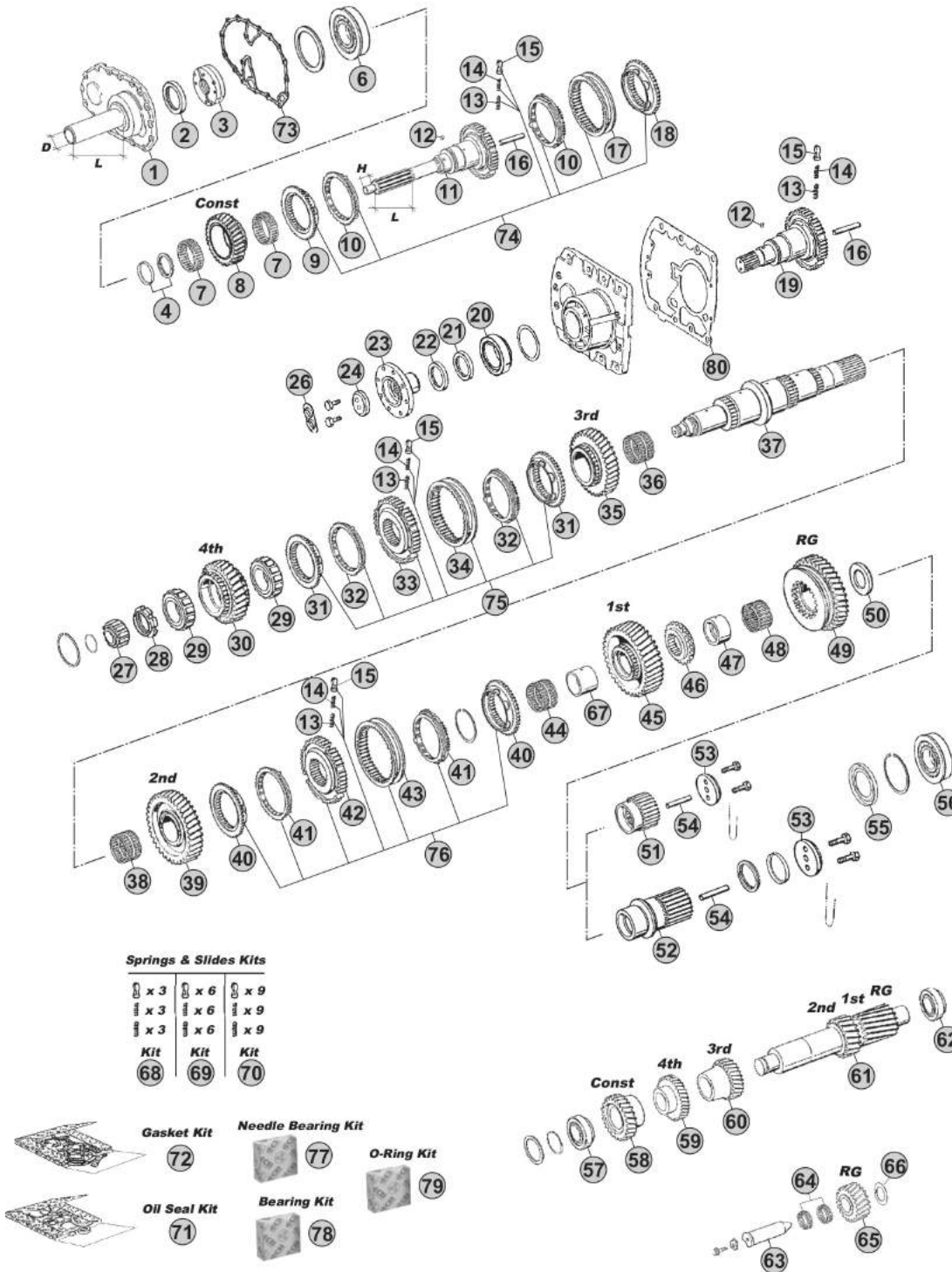
(20) SPECIAL MB VERSION. USE ITEMS MARKED (4) TOGETHER

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160 (1297 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
68	69	70

Gasket Kit

72

Needle Bearing Kit

77

O-Ring Kit

79

Oil Seal Kit

71

Bearing Kit

78

Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165160			
19	102.237	1297 202 044	Input Shaft	1		●			
20	130.432	0750 117 418	Bearing	1		●			
21	139.974	0634 310 648	Oil Seal 70x90x10	1		●			
22	139.973	0734 300 140	Oil Seal 70x90x10	1		●			
23	155.135	1286 304 026	Drive Flange	1	D.150-8 H.	●			
24	188.078	1269 302 065	Stop Washer	1		●			
26	188.274	1269 302 164	Stop Washer	1		●			
27	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●			
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●			
29	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●			
30	146.384	1297 304 267	Gear 4th Speed 28 T	1	B	●			
30	146.318	1297 304 260	Gear 4th Speed 30 T	1	C	●			
30	146.315	1297 304 318	Gear 4th Speed 26 T	1	D	●			
30	146.294	1297 304 413	Gear 4th Speed 29 T	1	E	●			
31	109.072	1295 304 278	Synchronizer Cone	2		●			
32	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●			
32	119.175	1304 304 686	Synchronizer Ring	2	New Type	●			
33	157.110	1297 304 031	Synchronizer Hub	1		●			
34	154.097	1295 304 002	Sliding Sleeve	1		●			
35	145.470	1297 304 266	Gear 3rd Speed 32 T	1	BD	●			
35	145.450	1297 304 261	Gear 3rd Speed 34 T	1	C	●			
35	145.377	1297 304 414	Gear 3rd Speed 34 T	1	E	●			
36	137.112	0735 320 451	Needle Cage 82x90x60	1		●			
37	103.132	1297 304 181	Main Shaft	1	BC	●			
37	103.098	1297 304 193	Main Shaft	1	DE	●			
38	137.109	0735 320 452	Needle Cage 82x90x55	1		●			
39	145.500	1297 304 269	Gear 2nd Speed 37 T	1	BD	●			
39	145.375	1297 304 442	Gear 2nd Speed 38 T	1	CE	●			
40	109.074	1297 304 196	Synchronizer Cone	2		●			
41	119.125	1296 304 135	Synchronizer Ring	2	Z 54 - Alt. use 119.086	●			
41	119.086	1246 304 278	Synchronizer Ring	2	Z 42 - Alt. use 119.125	●			
42	157.111	1297 304 195	Synchronizer Hub	1		●			
43	154.051	1257 304 020	Sliding Sleeve	1		●			
44	137.110	0735 320 487	Needle Cage 82x90x68	1		●			
45	145.507	1297 304 270	Gear 1st Speed 44 T	1	BD	●			
45	145.376	1297 304 441	Gear 1st Speed 47 T	1	CE	●			
46	109.178	1297 304 154	Synchronizer Cone	1		●			
47	117.318	1297 304 034	Bush	1	BC	●			
48	137.111	0735 320 486	Needle Cage 78x86x44	1		●			
49	147.109	1297 304 149	Reverse Gear 39 T	1	BD	●			
49	147.140	1297 304 148	Reverse Gear 38 T	1	CE	●			
50	169.757	1297 304 381	Thrust Washer	1	BC	●			
51	157.177	1297 304 187	Sun Gear 27 T	1	BC	●			

ECOSPLIT I-II
16S160

Date

09/2014

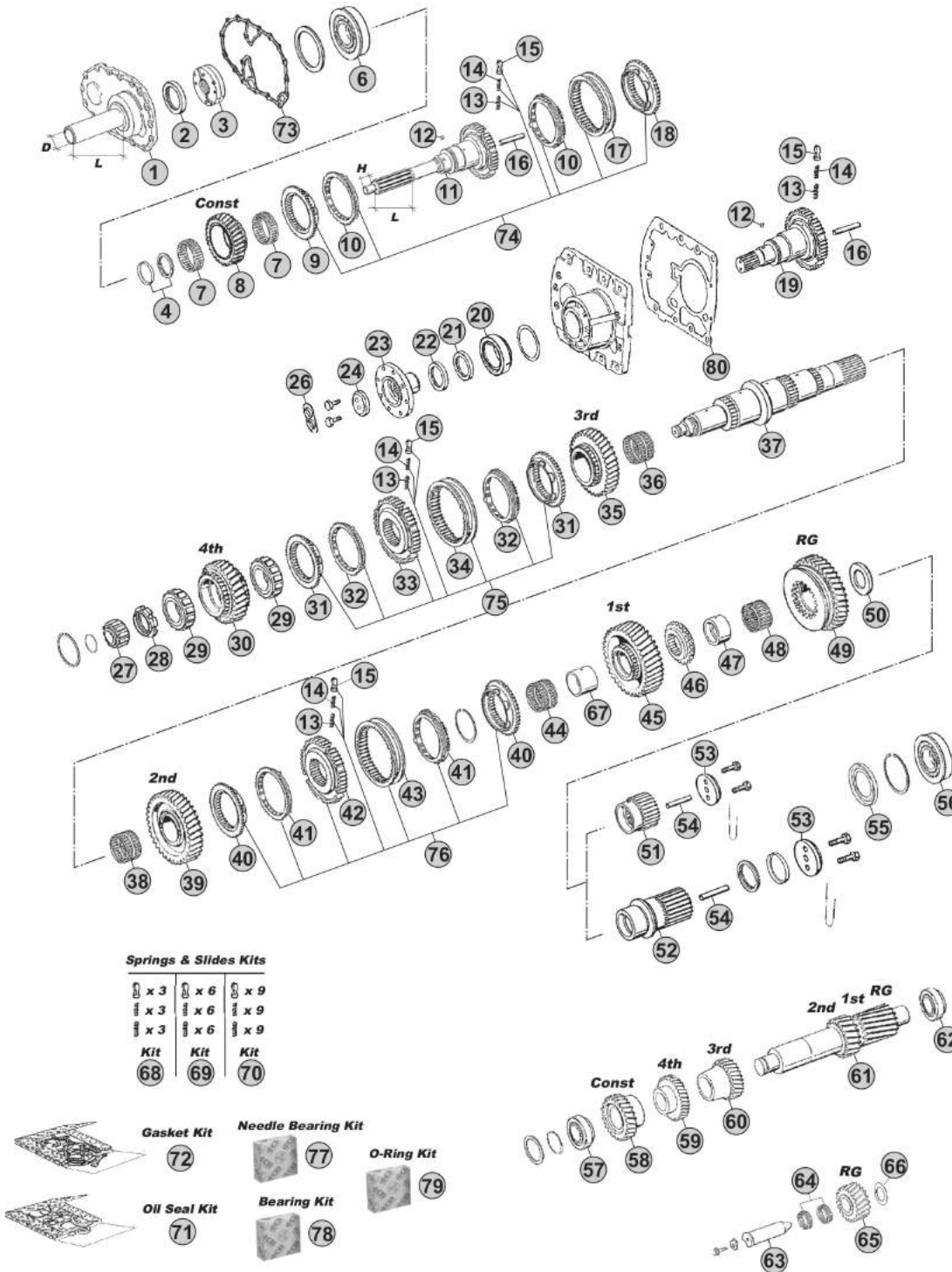
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160 (1297 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
68	69	70

Gasket Kit

72

Needle Bearing Kit

77

O-Ring Kit

79

Oil Seal Kit

71

Bearing Kit

78

Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165160				
52	157.198	1297 304 439	Sun Gear 24 T	1	DE	●				
53	188.076	1272 304 021	Stop Washer	1		●				
54	189.671	0730 061 842	Oil Tube	1		●				
55	139.923	1297 301 004	Oil Collector	1		●				
56	130.702	0750 118 006	Bearing 65x140x33	1	BC	●				
56	130.703	0750 118 471	Bearing 80x140x33	1	DE	●				
57	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
58	146.383	1297 303 074	Constant Gear 31 T	1	B	●				
58	146.322	1297 303 066	Constant Gear 34 T	1	C	●				
58	146.319	1297 303 098	Constant Gear 32 T	1	D	●				
58	146.321	1297 303 086	Constant Gear 35 T	1	E	●				
59	146.382	1297 303 072	Gear 4th Speed 34 T	1	B	●				
59	146.381	1297 303 065	Gear 4th Speed 31 T	1	C	●				
59	146.415	1297 303 097	Gear 4th Speed 35 T	1	D	●				
59	146.416	1297 303 123	Gear 4th Speed 32 T	1	E	●				
60	146.357	1297 303 073	Gear 3rd Speed 28 T	1	BD	●				
60	146.421	1297 303 067	Gear 3rd Speed 25 T	1	C	●				
60	146.422	1297 303 132	Gear 3rd Speed 26 T	1	E	●				
61	105.092	1297 303 075	Countershaft 19/23 T	1	BD	●				
61	105.093	1297 303 140	Countershaft 17/20 T	1	CE	●				
62	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
63	107.108	1295 305 056	Reverse Gear Pin	1		●				
64	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
65	147.133	1295 305 051	Reverse Gear 21 T	1	BD	●				
65	147.094	1295 305 052	Reverse Gear 24 T	1	CE	●				
66	169.234	0730 150 064	Thrust Washer	1		●				
67	117.246	1297 304 035	Bush	1		●				
68	198.339	1268 298 938	Spring Slide kit	1		●				
69	198.564		Spring Slide kit	1		●				
70	198.842	1295 298 933	Spring Slide kit	1		●				
71	198.428	1295 298 960	Oil Seal Ring Kit	1		●				
72	198.427	1295 298 915	Gasket Kit	1		●				
73	139.686	1313 302 014	Gasket	1		●				
74	198.724	1295 298 936	Synchro Kit	1	W/"Old Type" synchro rings	●				
74	298.323	1297 298 962	Synchro Kit	1	W/"New Type" synchro rings	●				
75	198.807	1297 298 958	Synchron.Kit 3rd-4th Speed	1	W/"New Type" synchro rings	●				
76	198.809	1297 298 956	Synchron.kit 1st-2nd Speed	1		●				
77	298.425	1295 298 947	Needle Cages Kit	1		●				
78	298.426	1295 298 943	Bearing kit	1		●				
79	298.405	1295 298 916	O-Ring Kit	1		●				
80	239.004	1313 302 044	Gasket	1		●				

ECOSPLIT I-II
16S160

Date

Notes

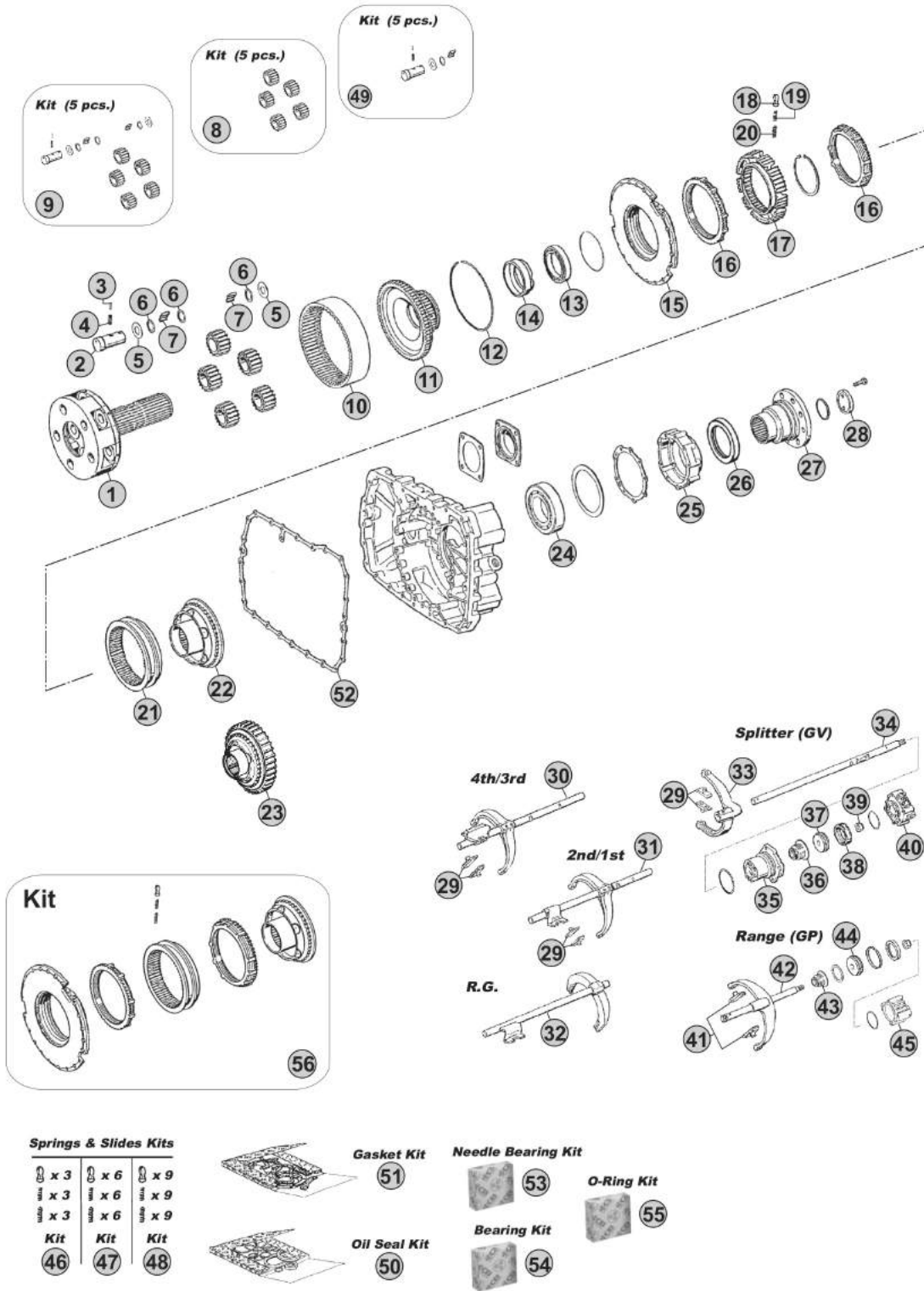
09/2014

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165160				
1	190.396	1297 232 039	Planetary Carrier	1	BC	●				
1	190.395	1297 232 045	Planetary Carrier	1	DE	●				
2	107.163	1297 332 109	Planet pin	5		●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●				
8	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	BC	●				
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	DE	●				
9	198.704	1297 298 912	Planetary Gear Set (5 pcs)	1	BC	●				
9	298.807	1297 298 919	Planetary Gear Set	1	DE	●				
10	123.217	1297 332 080	Crown Gear 83 T	1	BC	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	DE	●				
11	150.138	1297 332 017	Carrier Hub 83 T	1	BC	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	DE	●				
12	111.129	0730 505 055	Locking Wire	1	BC	●				
12	111.198	0730 505 056	Locking Wire	1	DE	●				
13	130.310	0750 116 165	Bearing 80x110x16	1		●				
14	119.255	1297 332 122	Intermediate Ring	1		●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●				
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●				
23	109.772	1297 333 118	Synchronizer Cone (38 Spl.)	1	With Retarder	●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.260	1296 301 067	Cover	1		●				
25	128.098	1315 301 220	Cover	1		●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.167	1297 338 041	Output Flange D.180 mm	1	D.180-4 H.	●				
27	197.163	1297 338 038	Output Flange D.180 mm	1	D.180-10 H.	●				
27	197.162	1297 338 010	Output Flange D.180 mm	1	D.180-10 H.	●				
28	188.077	1295 332 051	Stop Washer	1		●				
29	141.068	1295 306 132	Bronze Slide	2	3x2 pcs.	●				
30	298.813	1297 206 103	Complete Fork	1		●				
30	298.814	1297 206 104	Complete Fork	1		●				
31	298.819	1297 206 106	Complete Fork	1		●				
31	298.820	1297 206 105	Complete Fork	1		●				

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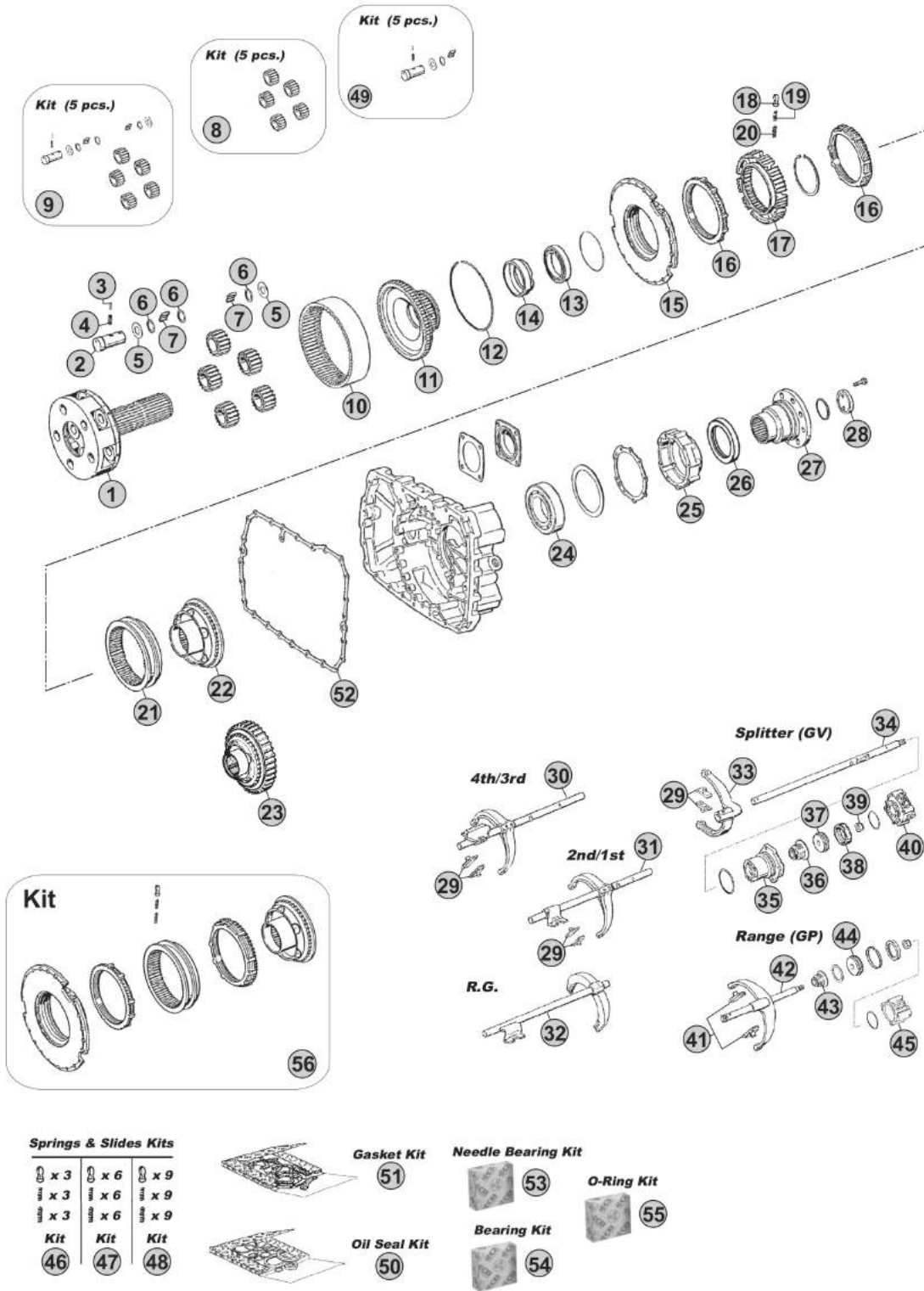
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160 (1297 xxx xxx)



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Notes

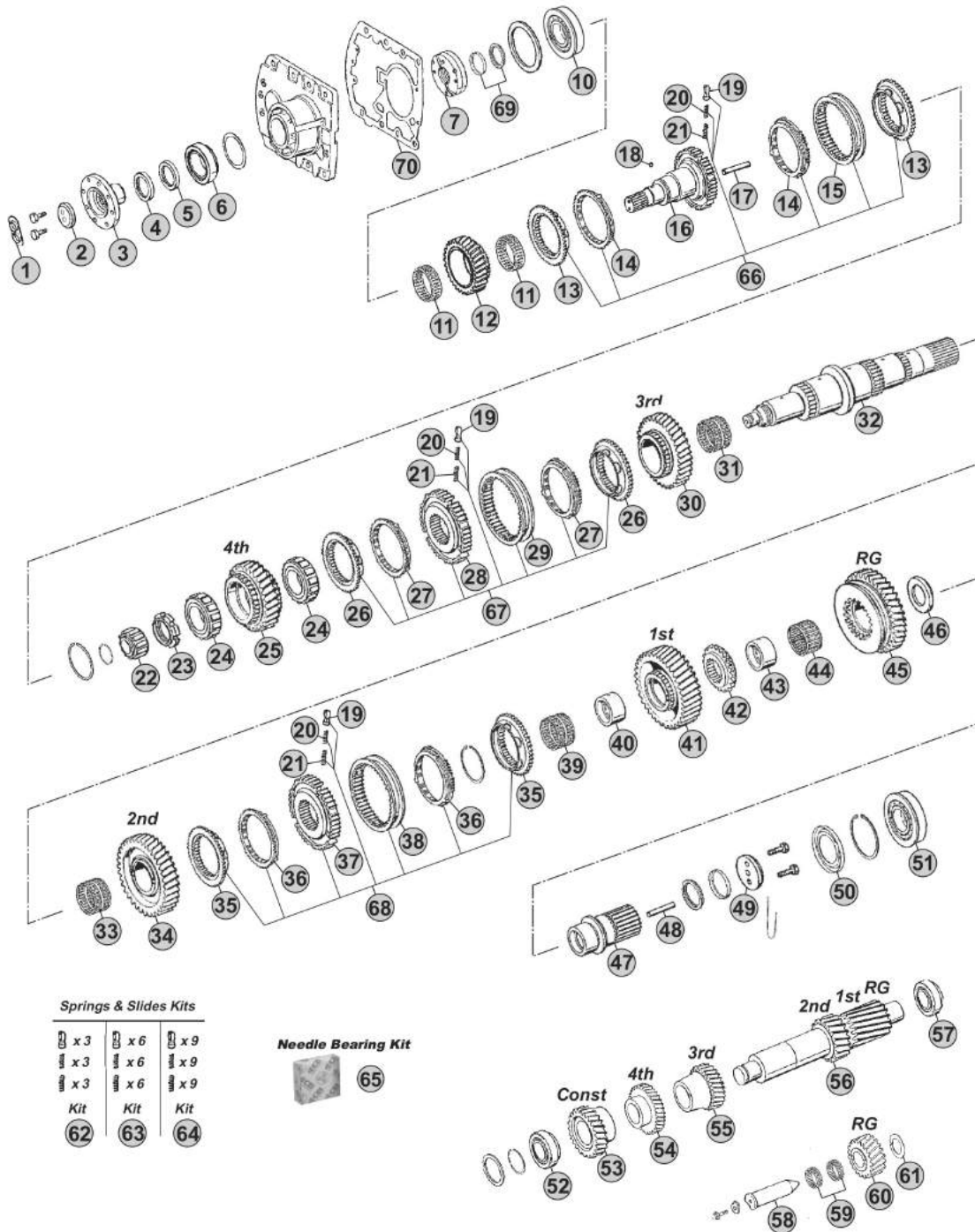
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/A (1297 xxx xxx)



Springs & Slides Kits

x3	x6	x9
x3	x6	x9
x3	x6	x9
Kit	Kit	Kit
62	63	64

Needle Bearing Kit



Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S160/A				
1	188.274	1269 302 164	Stop Washer	1		●				
2	188.078	1269 302 065	Stop Washer	1		●				
3	155.327	1286 304 043	Input Flange	1		●				
4	139.973	0734 300 140	Oil Seal 70x90x10	1		●				
5	139.974	0634 310 648	Oil Seal 70x90x10	1		●				
6	130.432	0750 117 418	Bearing	1		●				
7	280.348	1295 202 041	Oil Pump	1		●				
10	130.306	0750 117 431	Bearing 75x150x30,50	1		●				
11	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
12	145.466	1297 302 177	Constant Gear 30 T	1	A	●				
12	145.406	1297 302 176	Constant Gear 28 T	1	B	●				
12	145.407	1297 302 241	Constant Gear 26 T	1	C	●				
13	109.072	1295 304 278	Synchronizer Cone	2		●				
14	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
14	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
15	154.097	1295 304 002	Sliding Sleeve	1		●				
16	102.237	1297 202 044	Input Shaft	1		●				
17	188.211	0730 062 323	Oil Plug	1		●				
18	171.084	0635 470 012	Needle D.7x7	1		●				
19	160.116	1240 304 278	Pressure Piece	3	3x3 pcs.	●				
20	156.036	0732 040 386	Inner Spring De.3x34	3	3x3 pcs.	●				
21	156.037	0732 040 385	Outer Spring De.6x34	3	3x3 pcs.	●				
22	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
23	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
24	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●				
25	146.384	1297 304 267	Gear 4th Speed 28 T	1	A	●				
25	146.318	1297 304 260	Gear 4th Speed 30 T	1	B	●				
25	146.294	1297 304 413	Gear 4th Speed 29 T	1	C	●				
26	109.072	1295 304 278	Synchronizer Cone	2		●				
27	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
27	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
28	157.110	1297 304 031	Synchronizer Hub	1		●				
29	154.097	1295 304 002	Sliding Sleeve	1		●				
30	145.470	1297 304 266	Gear 3rd Speed 32 T	1	A	●				
30	145.450	1297 304 261	Gear 3rd Speed 34 T	1	B	●				
30	145.377	1297 304 414	Gear 3rd Speed 34 T	1	C	●				
31	137.112	0735 320 451	Needle Cage 82x90x60	1		●				
32	103.322	1297 304 221	Main Shaft	1		●				
33	137.109	0735 320 452	Needle Cage 82x90x55	1		●				
34	145.500	1297 304 269	Gear 2nd Speed 37 T	1	A	●				
34	145.375	1297 304 442	Gear 2nd Speed 38 T	1	BC	●				
35	109.074	1297 304 196	Synchronizer Cone	2		●				
36	119.125	1296 304 135	Synchronizer Ring	2	Z 54 - Alt. use 119.086	●				

 ECOSPLIT-II
16S160/A

Date

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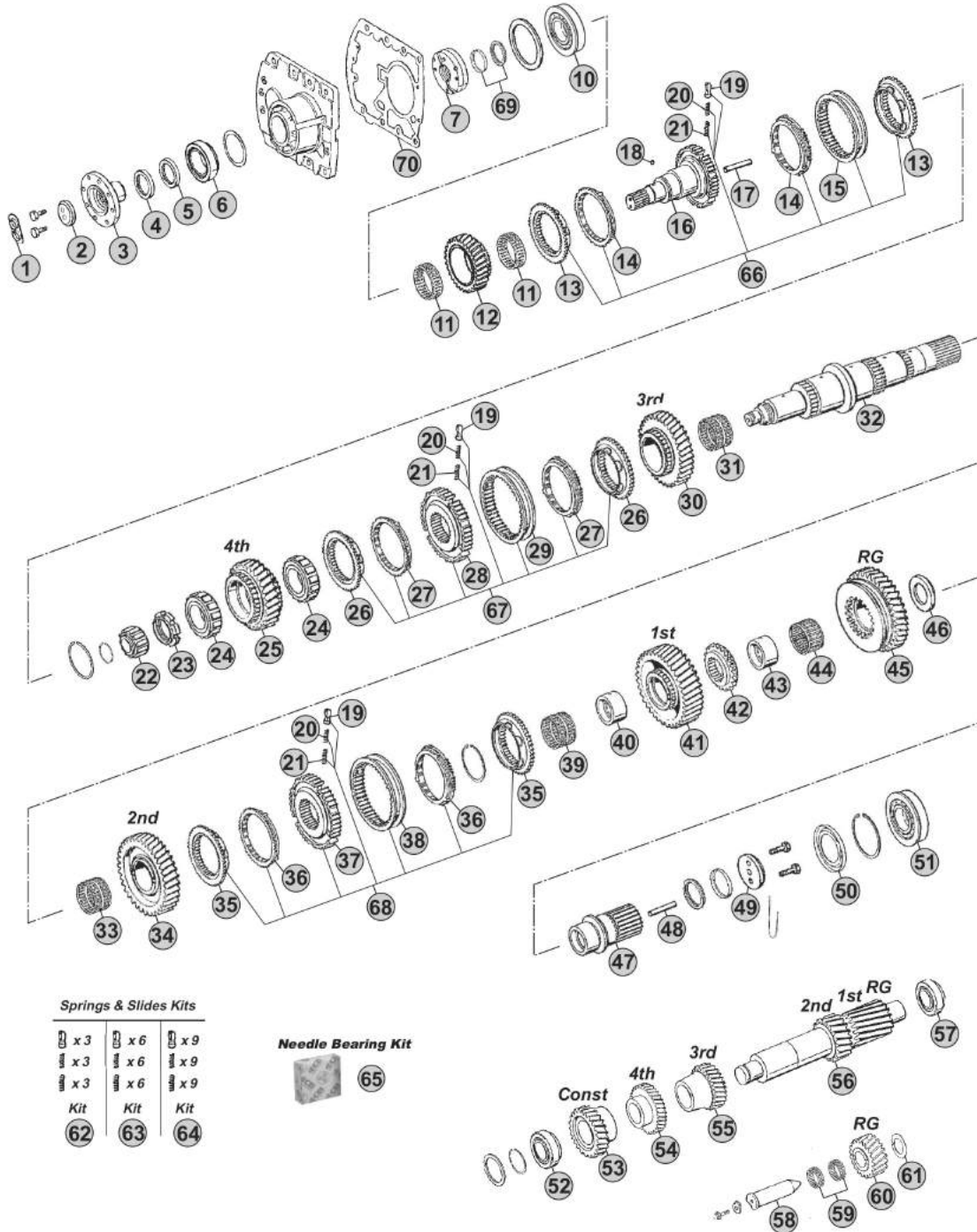
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/A (1297 xxx xxx)



Springs & Slides Kits

x3	x6	x9
x3	x6	x9
x3	x6	x9
Kit	Kit	Kit
62	63	64

Needle Bearing Kit



Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S160/A				
36	119.086	1246 304 278	Synchronizer Ring	2	Z 42 - Alt. use 119.125	●				
37	157.111	1297 304 195	Synchronizer Hub	1		●				
38	154.051	1257 304 020	Sliding Sleeve	1		●				
39	137.110	0735 320 487	Needle Cage 82x90x68	1		●				
40	117.246	1297 304 035	Bush	1		●				
41	145.507	1297 304 270	Gear 1st Speed 44 T	1	A	●				
41	145.376	1297 304 441	Gear 1st Speed 47 T	1	BC	●				
42	109.178	1297 304 154	Synchronizer Cone	1		●				
43	117.318	1297 304 034	Bush	1		●				
44	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
45	147.109	1297 304 149	Reverse Gear 39 T	1	A	●				
45	147.140	1297 304 148	Reverse Gear 38 T	1	BC	●				
46	169.757	1297 304 381	Thrust Washer	1		●				
47	157.239	1297 304 253	Sun Gear	1	AB	●				
47	157.243	1297 304 190	Sun gear	1	C	●				
48	189.671	0730 061 842	Oil Tube	1		●				
49	188.076	1272 304 021	Stop Washer	1		●				
50	139.923	1297 301 004	Oil Collector	1		●				
51	130.702	0750 118 006	Bearing 65x140x33	1		●				
52	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
53	146.383	1297 303 074	Constant Gear 31 T	1	A	●				
53	146.322	1297 303 066	Constant Gear 34 T	1	B	●				
53	146.321	1297 303 086	Constant Gear 35 T	1	C	●				
54	146.382	1297 303 072	Gear 4th Speed 34 T	1	A	●				
54	146.381	1297 303 065	Gear 4th Speed 31 T	1	B	●				
54	146.416	1297 303 123	Gear 4th Speed 32 T	1	C	●				
55	146.357	1297 303 073	Gear 3rd Speed 28 T	1	A	●				
55	146.421	1297 303 067	Gear 3rd Speed 25 T	1	B	●				
55	146.422	1297 303 132	Gear 3rd Speed 26 T	1	C	●				
56	105.092	1297 303 075	Countershaft 19/23 T	1	A	●				
56	105.093	1297 303 140	Countershaft 17/20 T	1	BC	●				
57	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
58	107.276	1297 305 008	Reverse Gear Pin	1		●				
59	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
60	147.133	1295 305 051	Reverse Gear 21 T	1	A	●				
60	147.094	1295 305 052	Reverse Gear 24 T	1	BC	●				
61	169.234	0730 150 064	Thrust Washer	1		●				
62	198.339	1268 298 938	Spring Slide kit	1		●				
63	198.564		Spring Slide kit	1		●				
64	198.842	1295 298 933	Spring Slide kit	1		●				
65	298.425	1295 298 947	Needle Cages Kit	1		●				
66	198.724	1295 298 936	Synchro Kit	1	W/"Old Type" synchro rings	●				
66	298.323	1297 298 962	Synchro Kit	1	W/"New Type" synchro rings	●				

Date

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Notes

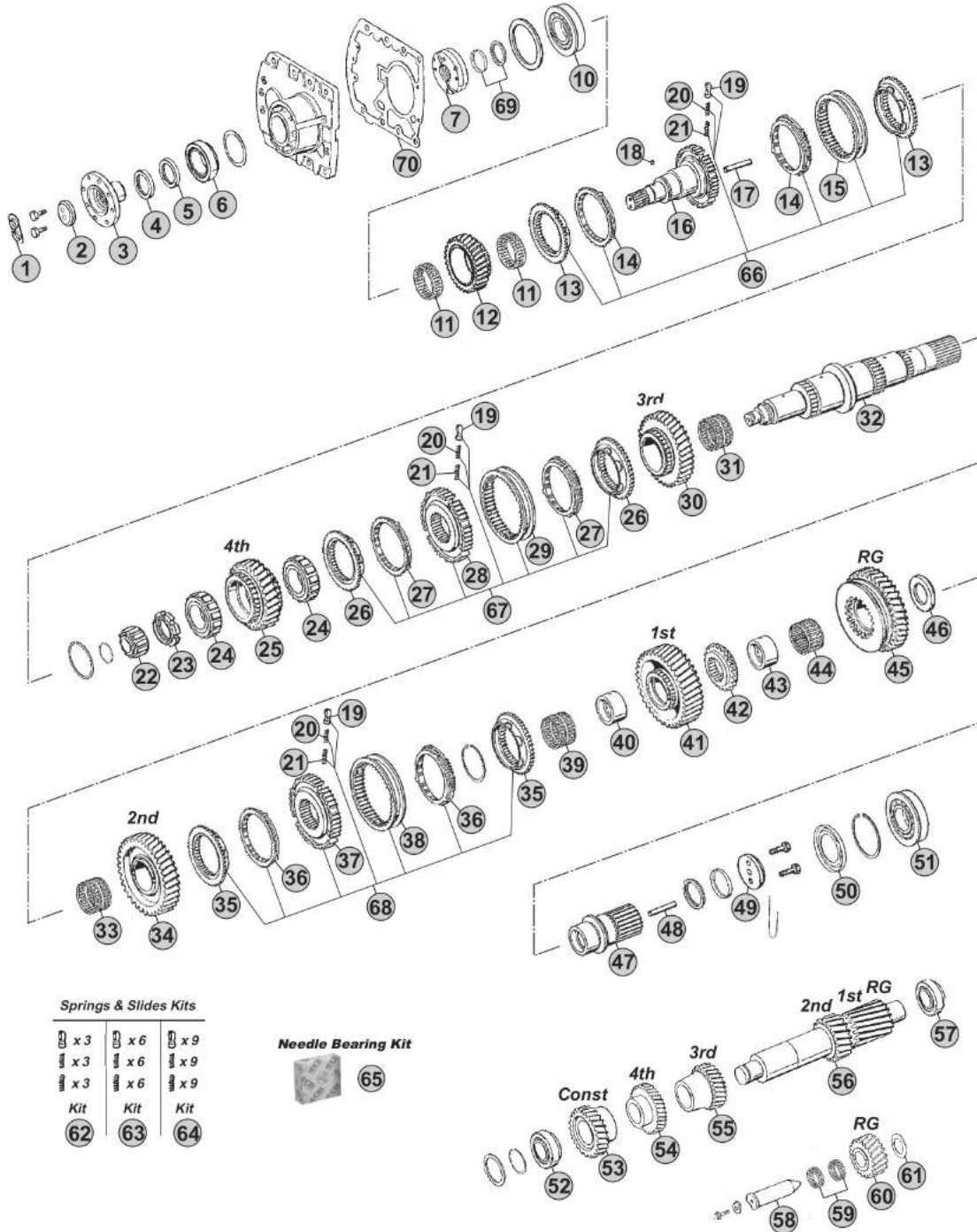
 ECOSPLIT I-II
16S160/A

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/A (1297 xxx xxx)



Springs & Slides Kits

x3	x6	x9
x3	x6	x9
x3	x6	x9
Kit	Kit	Kit
62	63	64

Needle Bearing Kit



Notes

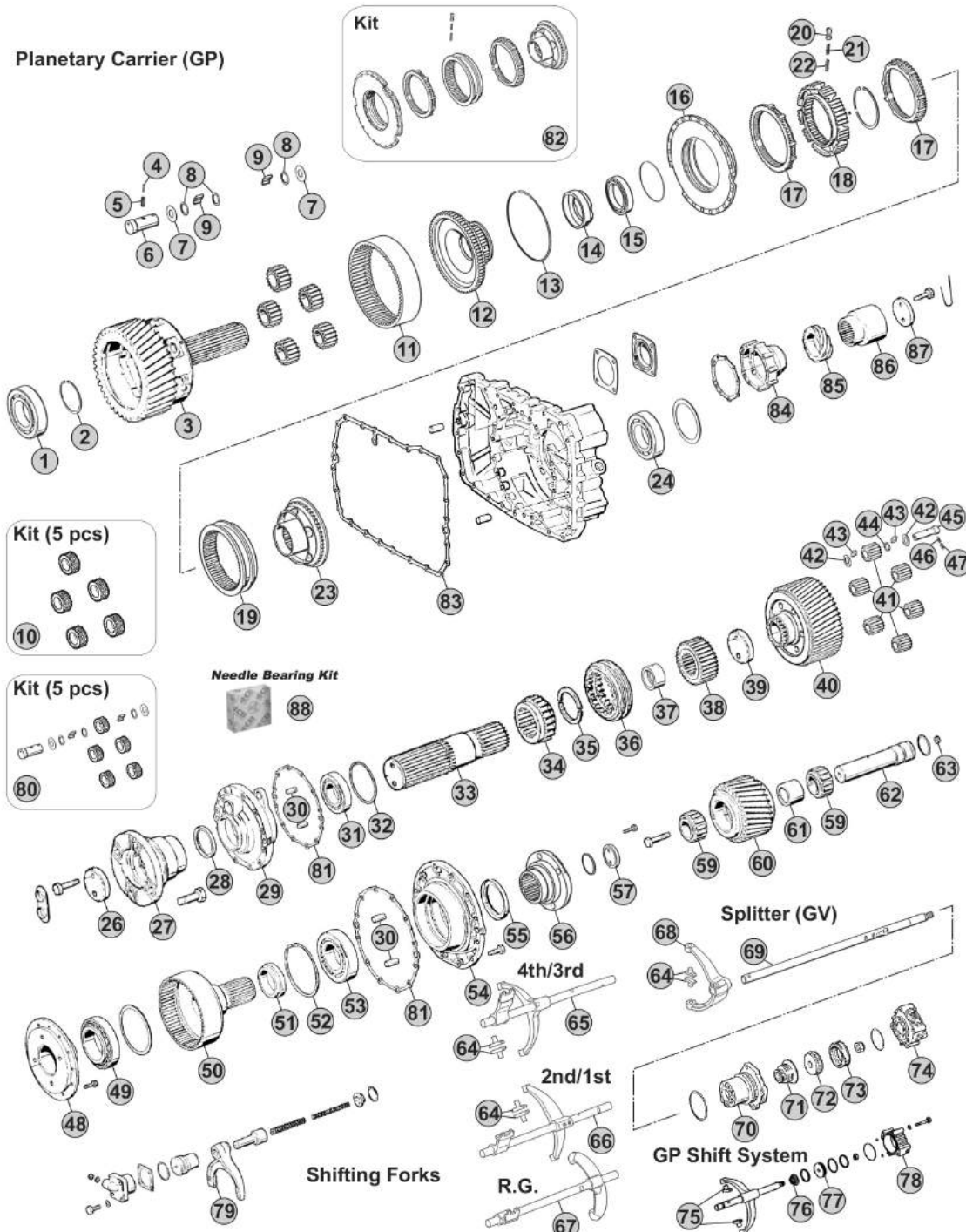
- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/A (1297 xxx xxx)



Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S160/A			
1	130.433	0735 410 110	Bearing 110x200x38	1		●			
2	111.440	0630 501 058	Retainer Ring	1		●			
3	190.553	1297 232 057	Planetary Carrier	1	AB	●			
3	190.557	1297 232 058	Planetary Carrier	1	C	●			
4	160.191	0631 329 017	Lock Pin 3x24	5		●			
5	160.192	0631 329 050	Lock Pin 5x24	5		●			
6	107.163	1297 332 109	Planet pin	5		●			
7	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●			
8	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●			
9	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●			
10	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	AB	●			
10	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	C	●			
11	123.217	1297 332 080	Crown Gear 83 T	1	AB	●			
11	123.331	1297 332 086	Crown Gear 86 T	1	C	●			
12	150.138	1297 332 017	Carrier Hub 83 T	1	AB	●			
12	150.137	1297 332 035	Carrier Hub 86 T	1	C	●			
13	111.129	0730 505 055	Locking Wire	1	AB	●			
13	111.198	0730 505 056	Locking Wire	1	C	●			
14	119.255	1297 332 122	Intermediate Ring	1		●			
15	130.310	0750 116 165	Bearing 80x110x16	1		●			
16	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	Synchronizer Hub	1		●			
19	154.098	1296 333 023	Sliding Sleeve	1		●			
20	160.116	1240 304 278	Pressure Piece	9		●			
21	156.036	0732 040 386	Inner Spring De.3x34	9		●			
22	156.037	0732 040 385	Outer Spring De.6x34	9		●			
23	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●			
24	130.245	0750 116 394	Bearing 90x160x30	1		●			
26	188.077	1295 332 051	Stop Washer	1		●			
27	197.167	1297 338 041	Output Flange D.180 mm	1		●			
27	197.162	1297 338 010	Output Flange D.180 mm	1		●			
28	139.975	0750 111 107	Oil Seal	1		●			
29	128.341	1297 339 030	Rear Cover	1		●			
30	160.313	0631 306 776	Pin	2	2x2 pcs.	●			
31	130.245	0750 116 394	Bearing 90x160x30	1		●			
32	111.441	0630 502 054	Retainer Ring	1		●			
33	103.313	1297 339 029	Output Shaft 38 T	1	AB	●			
33	103.315	1297 339 028	Output Shaft	1	C	●			
34	155.328	1297 339 024	Fixed Hub	1		●			
35	269.814	1297 339 005	Shim	1		●			
36	154.514	1297 339 035	Sliding Sleeve	1		●			

ECOSPLIT II
16S160/A

Date

09/2014

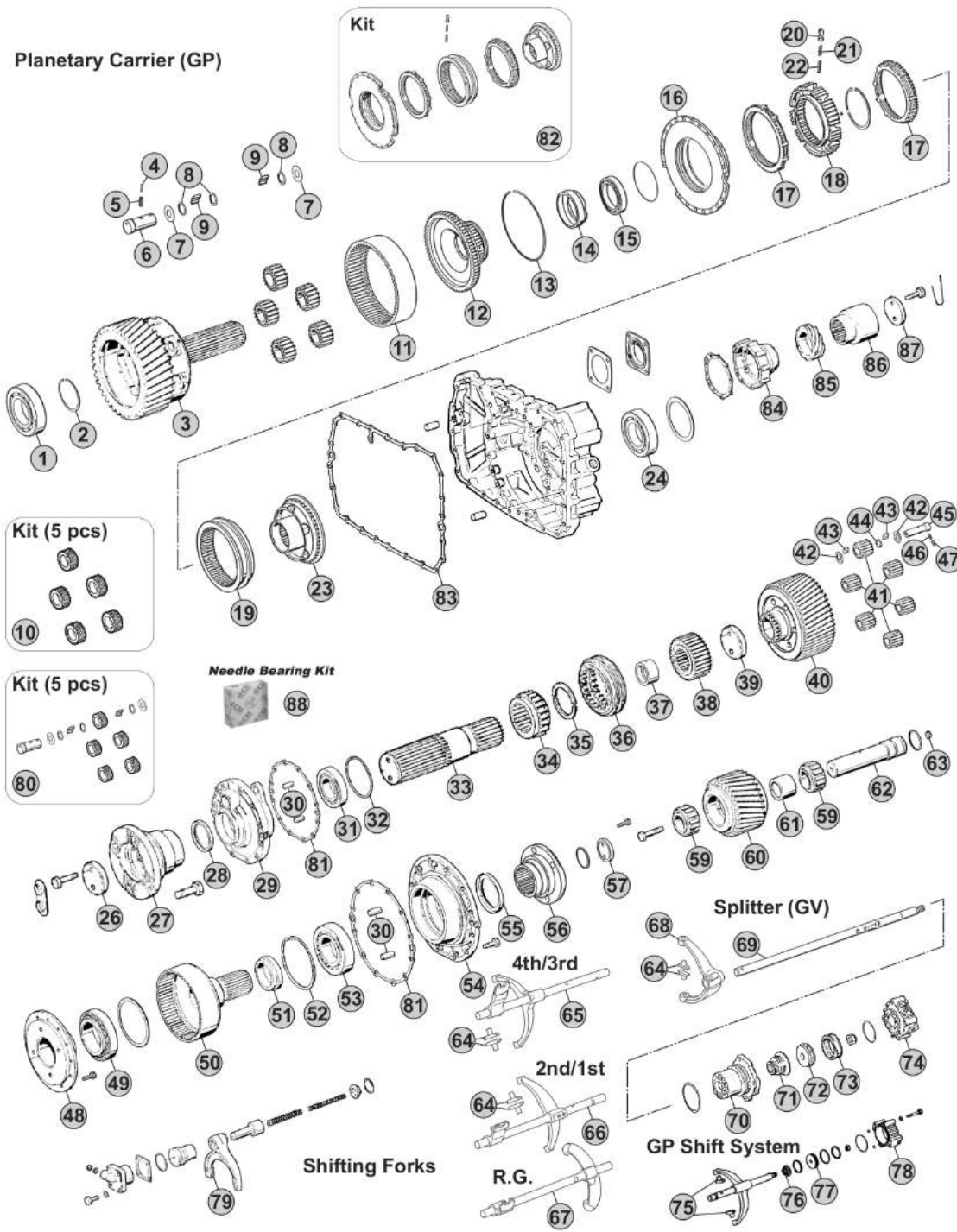
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/A (1297 xxx xxx)



Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S160/A				
37	117.481	1297 339 003	Bush	1		●				
38	157.240	1297 339 002	Sun Gear 41 T	1		●				
39	269.815	1259 303 004	Washer	1		●				
40	190.558	1312 237 002	Planetary Carrier	1	AC	●				
40	190.554	1312 237 001	Planetary Carrier	1	B	●				
41	298.156	1297 237 005	Planetary Gear Set	1	AC	●				
41	298.115	1297 237 006	Planetary Gear Set	1	B	●				
42	269.671	0730 002 088	Washer	10	AC	●				
42	269.816	0730 002 087	Washer	12	B	●				
43	171.088	0635 490 013	Needle 3,5x17,8	300	AC	●				
43	171.008	0635 490 053	Needle	300	B	●				
44	269.672	0730 104 292	Ring	5	AC	●				
44	269.817	0730 104 290	Ring	6	B	●				
45	107.222	1297 337 009	Planetary pin	5	AC	●				
45	160.314	1297 337 027	Planetary pin	6	B	●				
46	160.315	0631 329 014	Lock Pin	6		●				
47	160.316	0631 329 046	Lock pin	6		●				
48	128.342	1297 337 017	Rear Cover	1		●				
49	130.434	0635 370 030	Bearing	2		●				
50	103.314	1297 338 048	Output Shaft	1		●				
51	269.818	1297 338 019	Thrust Ring	1		●				
52	111.441	0630 502 054	Retainer Ring	1		●				
53	130.245	0750 116 394	Bearing 90x160x30	1		●				
54	128.343	1297 338 083	Cover	1		●				
55	139.975	0750 111 107	Oil Seal	1		●				
56	197.167	1297 338 041	Output Flange D.180 mm	1		●				
56	197.162	1297 338 010	Output Flange D.180 mm	1		●				
57	188.077	1295 332 051	Stop Washer	1		●				
59	137.016	0750 118 016	Needle Cage 55x106,5x43	2		●				
60	244.207	1312 336 001	Gear Low Speed	1		●				
61	117.505	1297 336 008	Bush	1		●				
62	160.317	1297 336 010	Pin	1		●				
63	185.065	0636 301 048	Screw Plug	1		●				
64	141.068	1295 306 132	Bronze Slide	2	3x2 pcs.	●				
65		1297 206 110	Complete Fork	1		●				
66		1297 206 109	Complete Fork	1		●				
67	298.824	1297 206 174	Complete Fork	1		●				
68	141.086	1313 312 002	Shift Yoke	1		●				
69	149.274	1297 312 011	Gear Shift Rail	1		●				
70	132.046	1296 312 042	Cylinder	1		●				
71	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
72	189.421	1296 312 053	Piston	1		●				
73	139.912	0750 112 089	Ring 53x63x16,2	1		●				

ECOSPLIT II
16S160/A

Date

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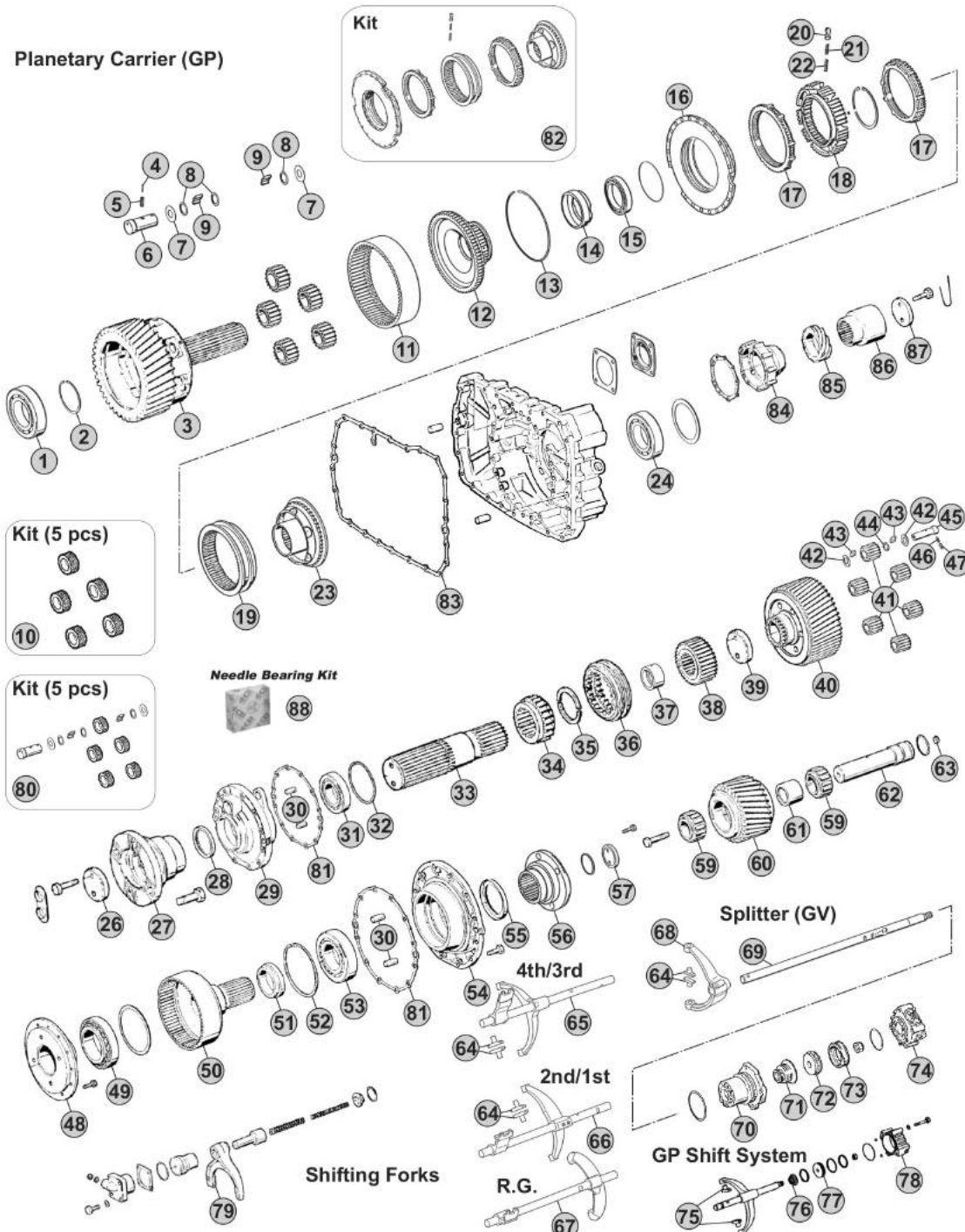
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/A (1297 xxx xxx)



Notes

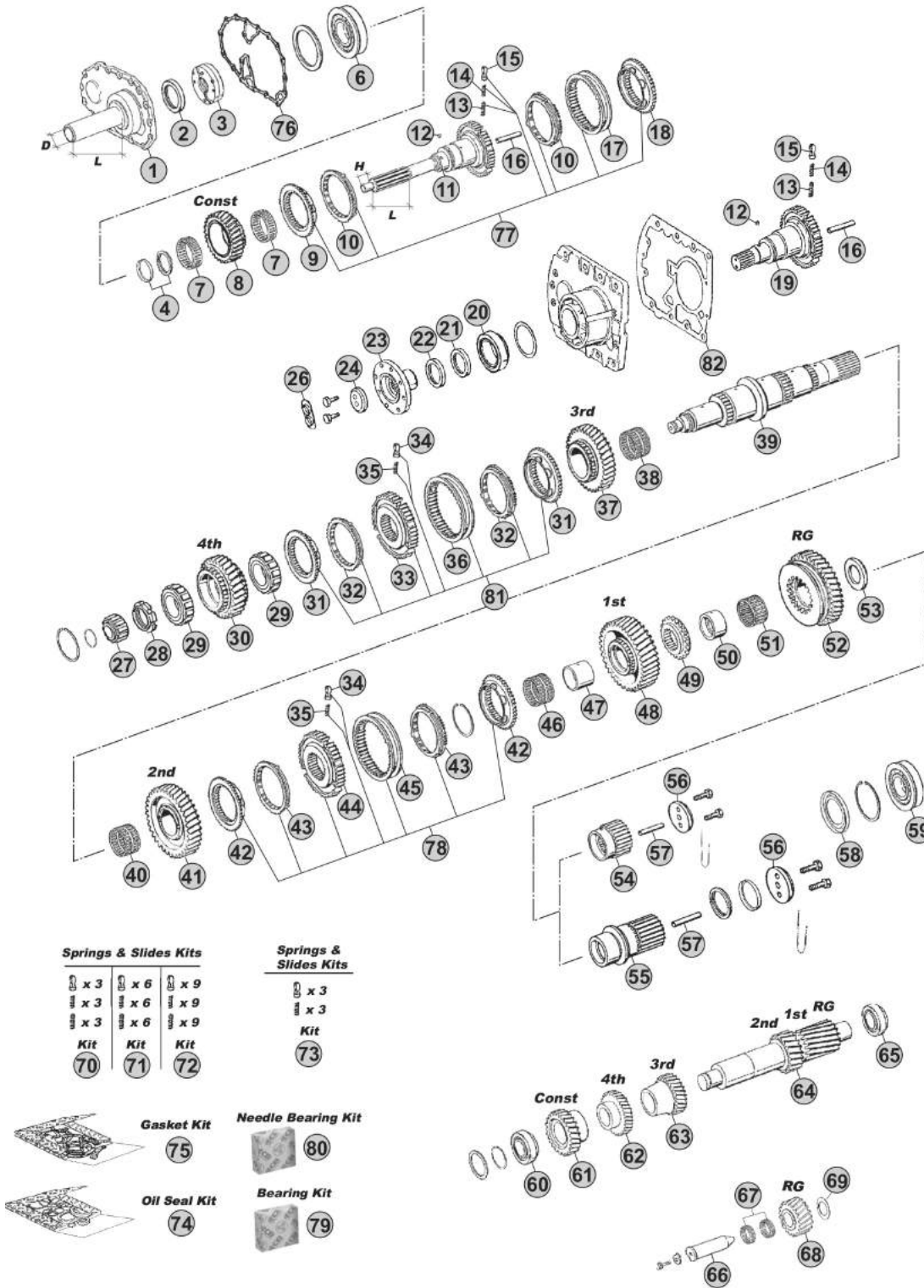
- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/1 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S160/1				
1	128.339	1297 302 011	Front Cover	1		●				
2	139.937	0750 111 002	Oil Seal 48x75x8	1		●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●				
7	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
8	145.466	1297 302 177	Constant Gear 30 T	1	B	●				
8	145.406	1297 302 176	Constant Gear 28 T	1	C	●				
8	145.405	1297 302 250	Constant Gear 29 T	1	D	●				
8	145.407	1297 302 241	Constant Gear 26 T	1	E	●				
9	109.072	1295 304 278	Synchronizer Cone	1		●				
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
11	102.246	1297 202 052	Input Shaft	1		●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.037	0732 040 385	Outer Spring De.6x34	3		●				
14	156.036	0732 040 386	Inner Spring De.3x34	3		●				
15	160.116	1240 304 278	Pressure Piece	3		●				
16	188.211	0730 062 323	Oil Plug	1		●				
17	154.097	1295 304 002	Sliding Sleeve	1		●				
18	109.072	1295 304 278	Synchronizer Cone	1		●				
19	102.237	1297 202 044	Input Shaft	1		●				
20	130.432	0750 117 418	Bearing	1		●				
21	139.974	0634 310 648	Oil Seal 70x90x10	1		●				
22	139.973	0734 300 140	Oil Seal 70x90x10	1		●				
23	155.135	1286 304 026	Drive Flange	1	D.150-8 H.	●				
24	188.078	1269 302 065	Stop Washer	1		●				
26	188.274	1269 302 164	Stop Washer	1		●				
27	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
29	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●				
30	146.384	1297 304 267	Gear 4th Speed 28 T	1	B	●				
30	146.318	1297 304 260	Gear 4th Speed 30 T	1	C	●				
30	146.315	1297 304 318	Gear 4th Speed 26 T	1	D	●				
30	146.294	1297 304 413	Gear 4th Speed 29 T	1	E	●				
31	109.114	1297 304 369	Synchronizer Cone	2		●				
32	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●				
32	119.167	1297 304 484	Synchronizer Ring	2	New Type	●				
33	157.140	1297 304 446	Synchronizer Hub	1		●				
34	160.189	1297 304 436	Pressure Piece	3	2x3 pcs.	●				
35	156.140	0732 040 409	Spring De.6,5x23,50	3	2x3 pcs.	●				

ECOSPLIT H-II
16S160/1

Date

09/2014

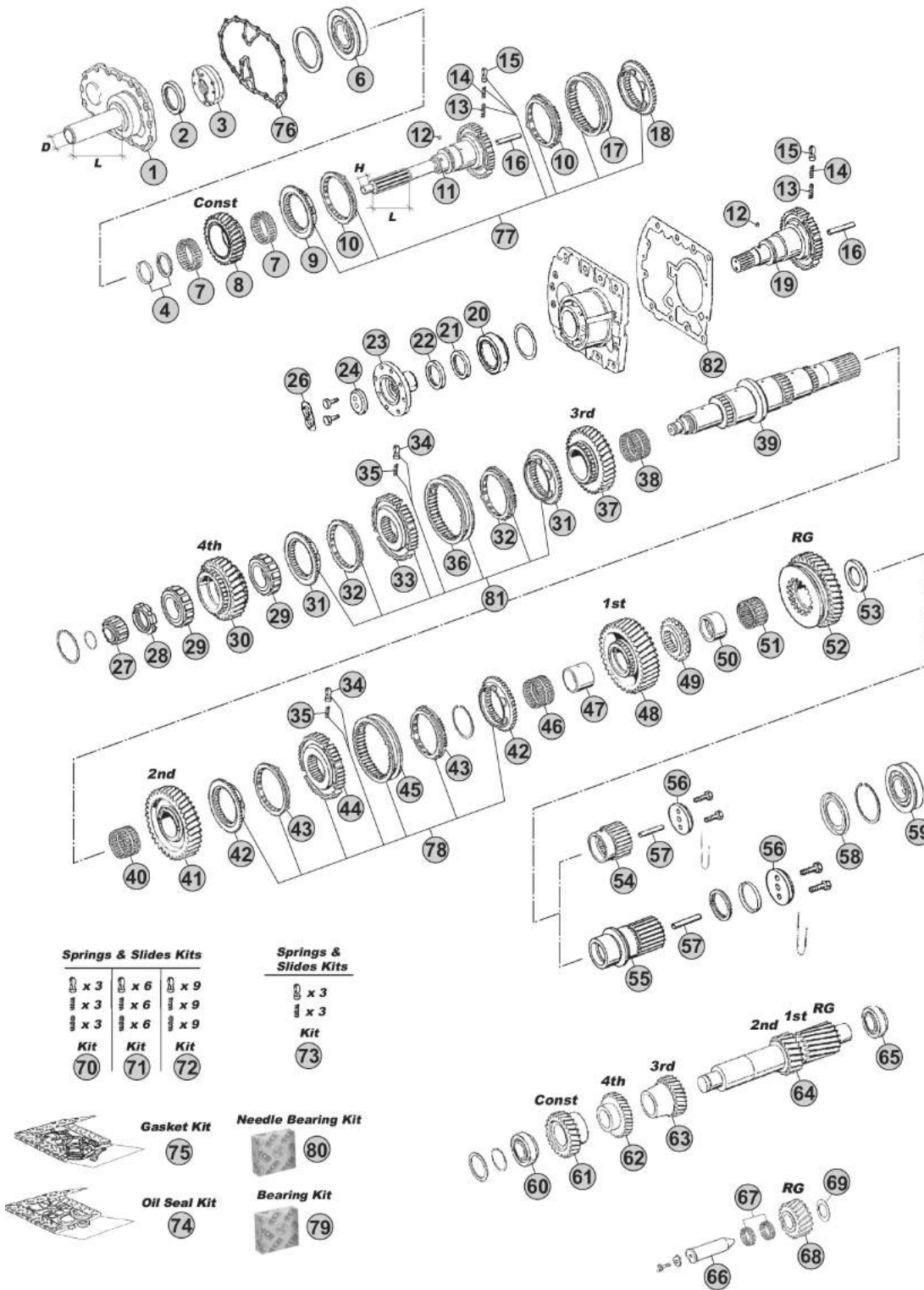
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/1 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S160/1				
36	154.135	1310 304 202	Sliding Sleeve	1		●				
37	145.470	1297 304 266	Gear 3rd Speed 32 T	1	BD	●				
37	145.450	1297 304 261	Gear 3rd Speed 34 T	1	C	●				
37	145.377	1297 304 414	Gear 3rd Speed 34 T	1	E	●				
38	137.112	0735 320 451	Needle Cage 82x90x60	1		●				
39	103.132	1297 304 181	Main Shaft	1	BC	●				
39	103.098	1297 304 193	Main Shaft	1	DE	●				
40	137.109	0735 320 452	Needle Cage 82x90x55	1		●				
41	145.500	1297 304 269	Gear 2nd Speed 37 T	1	BD	●				
41	145.375	1297 304 442	Gear 2nd Speed 38 T	1	CE	●				
42	109.113	1297 304 371	Synchronizer cone	2		●				
43	119.122	1297 304 401	Synchronizer Ring	2	Old Type	●				
43	119.166	1297 304 485	Synchronizer Ring	2	New Type	●				
44	157.139	1297 304 445	Synchronizer Hub	1		●				
45	154.136	1297 304 450	Sliding Sleeve	1		●				
46	137.110	0735 320 487	Needle Cage 82x90x68	1		●				
47	117.246	1297 304 035	Bush	1		●				
48	145.507	1297 304 270	Gear 1st Speed 44 T	1	BD	●				
48	145.376	1297 304 441	Gear 1st Speed 47 T	1	CE	●				
49	109.178	1297 304 154	Synchronizer Cone	1		●				
50	117.318	1297 304 034	Bush	1	BC	●				
51	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
52	147.109	1297 304 149	Reverse Gear 39 T	1	BD	●				
52	147.140	1297 304 148	Reverse Gear 38 T	1	CE	●				
53	169.757	1297 304 381	Thrust Washer	1	BC	●				
54	157.177	1297 304 187	Sun Gear 27 T	1	BC	●				
55	157.198	1297 304 439	Sun Gear 24 T	1	DE	●				
56	188.076	1272 304 021	Stop Washer	1		●				
57	189.671	0730 061 842	Oil Tube	1		●				
58	139.923	1297 301 004	Oil Collector	1		●				
59	130.702	0750 118 006	Bearing 65x140x33	1	BC	●				
59	130.703	0750 118 471	Bearing 80x140x33	1	DE	●				
60	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
61	146.383	1297 303 074	Constant Gear 31 T	1	B	●				
61	146.322	1297 303 066	Constant Gear 34 T	1	C	●				
61	146.319	1297 303 098	Constant Gear 32 T	1	D	●				
61	146.321	1297 303 086	Constant Gear 35 T	1	E	●				
62	146.382	1297 303 072	Gear 4th Speed 34 T	1	B	●				
62	146.381	1297 303 065	Gear 4th Speed 31 T	1	C	●				
62	146.415	1297 303 097	Gear 4th Speed 35 T	1	D	●				
62	146.416	1297 303 123	Gear 4th Speed 32 T	1	E	●				
63	146.357	1297 303 073	Gear 3rd Speed 28 T	1	BD	●				
63	146.421	1297 303 067	Gear 3rd Speed 25 T	1	C	●				

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Date

09/2014

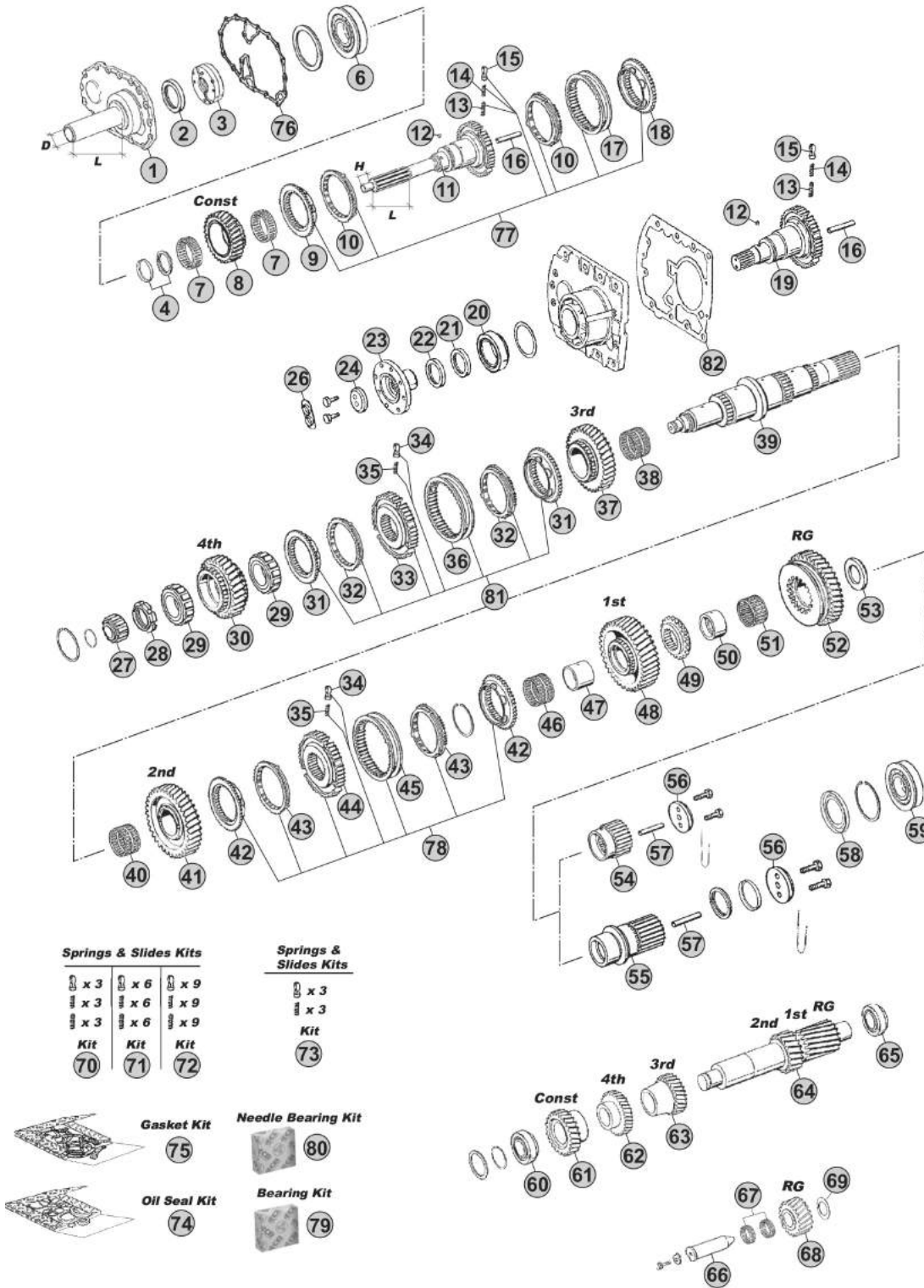
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/1 (1297 xxx xxx)



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Notes

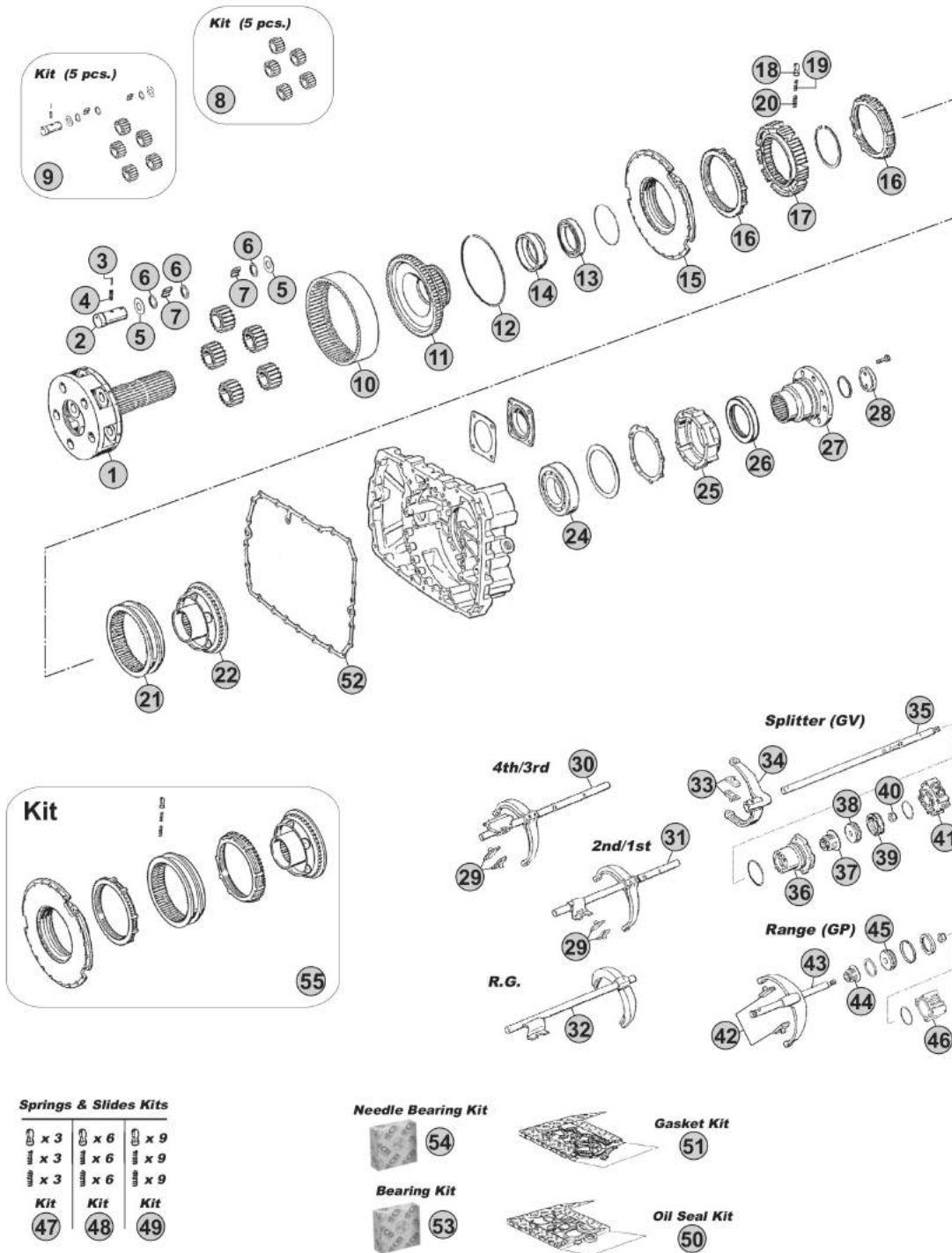
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/1 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S160/1				
1	190.396	1297 232 039	Planetary Carrier	1	BC	●				
1	190.395	1297 232 045	Planetary Carrier	1	DE	●				
2	107.163	1297 332 109	Planet pin	5		●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●				
8	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	BC	●				
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	DE	●				
9	198.704	1297 298 912	Planetary Gear Set (5 pcs)	1	BC	●				
9	298.807	1297 298 919	Planetary Gear Set	1	DE	●				
10	123.217	1297 332 080	Crown Gear 83 T	1	BC	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	DE	●				
11	150.138	1297 332 017	Carrier Hub 83 T	1	BC	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	DE	●				
12	111.129	0730 505 055	Locking Wire	1	BC	●				
12	111.198	0730 505 056	Locking Wire	1	DE	●				
13	130.310	0750 116 165	Bearing 80x110x16	1		●				
14	119.255	1297 332 122	Intermediate Ring	1		●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●				
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.260	1296 301 067	Cover	1		●				
25	128.098	1315 301 220	Cover	1		●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.167	1297 338 041	Output Flange D.180 mm	1	D.180-4 H.	●				
28	188.077	1295 332 051	Stop Washer	1		●				
29	141.163	1297 306 120	Slide	2	2x2 pcs.	●				
30	298.813	1297 206 103	Complete Fork	1		●				
31	298.819	1297 206 106	Complete Fork	1		●				
32	298.824	1297 206 174	Complete Fork	1		●				
33	141.068	1295 306 132	Bronze Slide	2		●				
34	141.086	1313 312 002	Shift Yoke	1		●				
35	149.268	1297 312 008	Selector Rod	1		●				
36	132.046	1296 312 042	Cylinder	1		●				

 ECOSPLIT-II
16S160/1

Date

09/2014

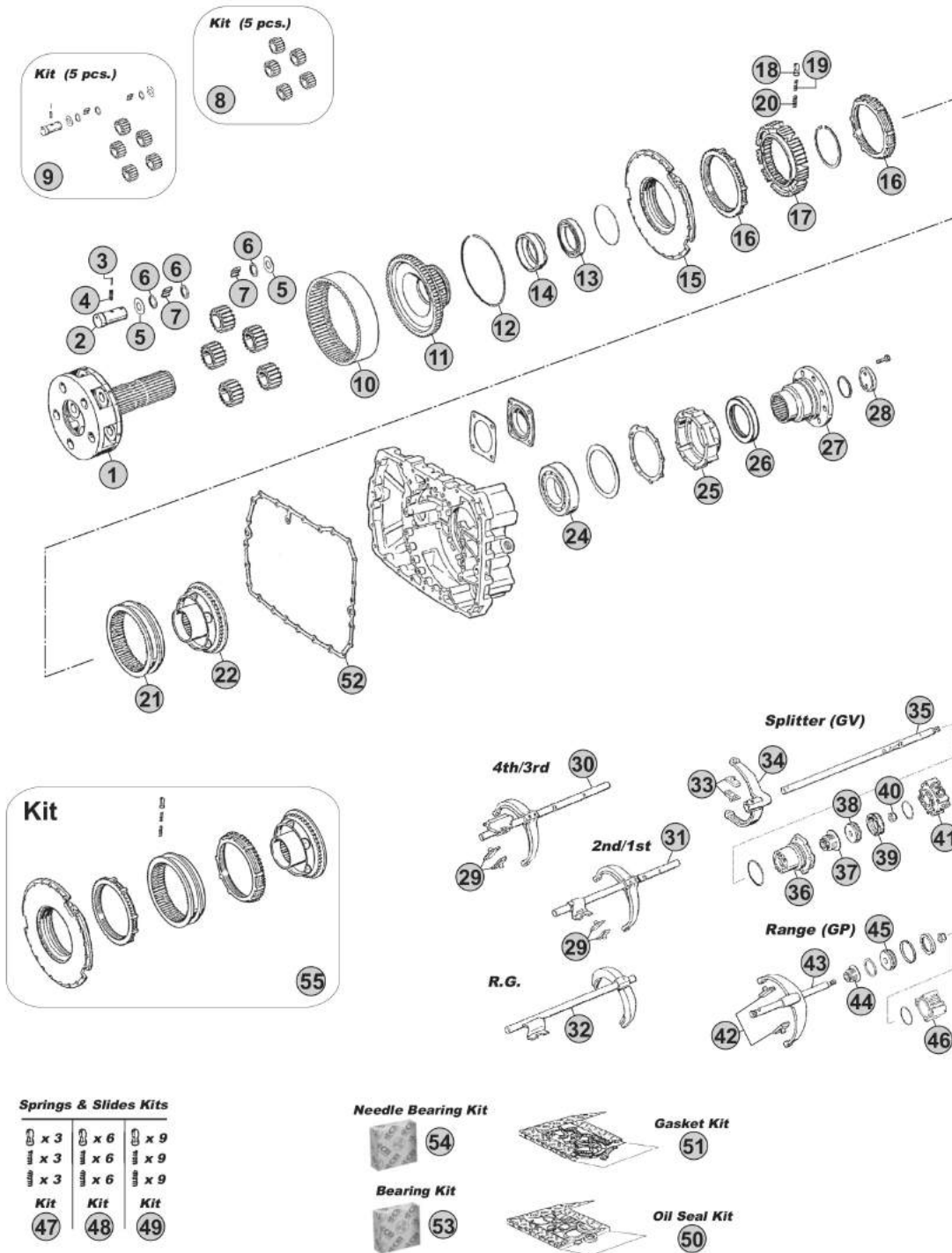
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S160/1 (1297 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
47	48	49

Needle Bearing Kit



Bearing Kit



Gasket Kit



Oil Seal Kit



Notes

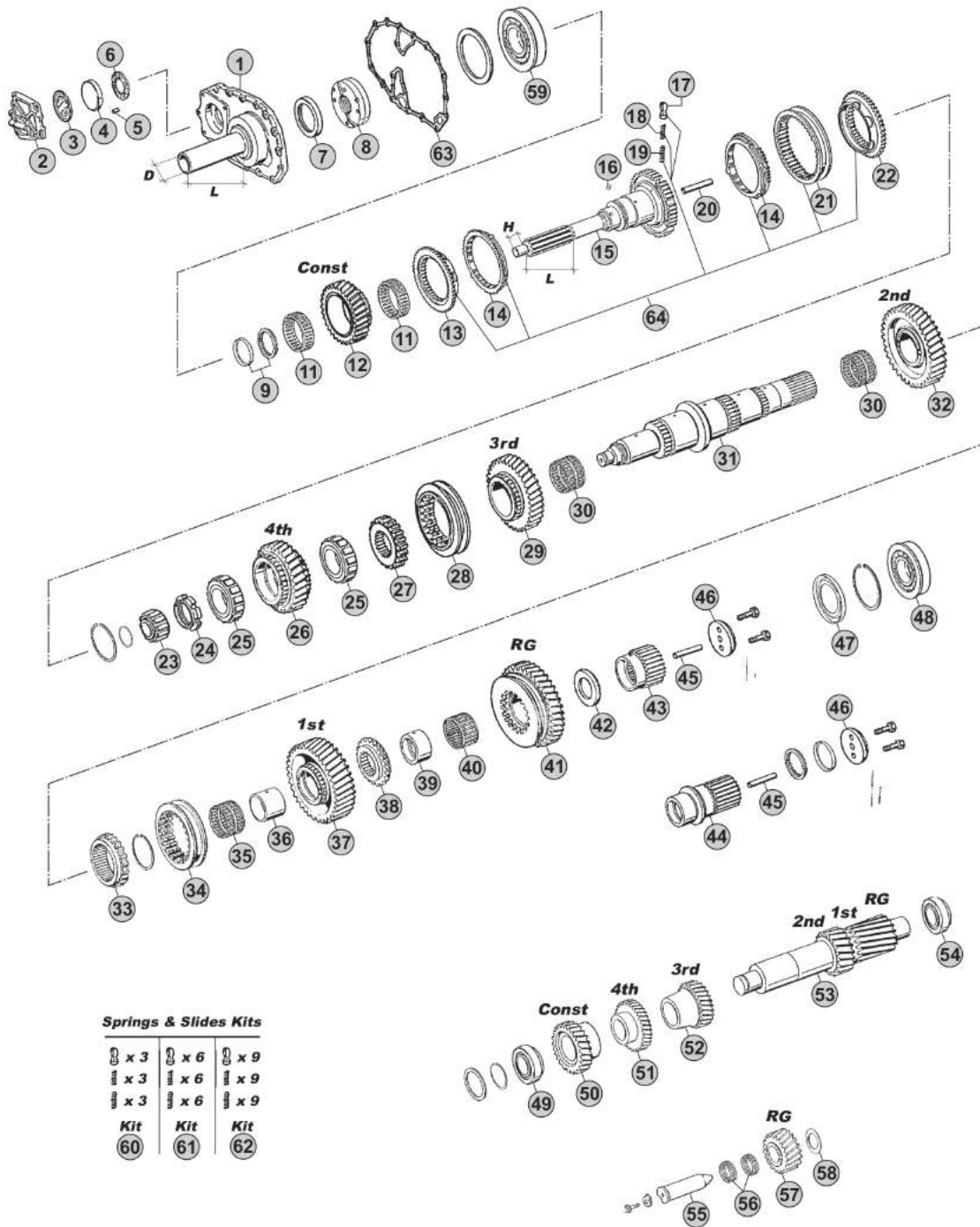
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K190 (1297 xxx xxx)



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Notes

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K190				
1	128.367	1297 302 053	Front Cover	1	L=170 D=60	●				
2	128.369	1295 303 030	Oil Pump Cover	1		●				
3	269.072	0750 190 012	Washer	1		●				
4	188.275	1268 303 062	Piston	1		●				
5	160.318	0731 302 032	Pin	1		●				
6	269.670	1268 203 059	Washer	1		●				
7	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
8	280.348	1295 202 041	Oil Pump	1		●				
9	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
9	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
9	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
11	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
12	145.466	1297 302 177	Constant Gear 30 T	1	A	●				
12	145.406	1297 302 176	Constant Gear 28 T	1	B	●				
12	145.405	1297 302 250	Constant Gear 29 T	1	C	●				
13	109.072	1295 304 278	Synchronizer Cone	1		●				
14	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
14	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
15	102.223	1297 202 053	Input Shaft	1	L=125 H=30	●				
16	171.084	0635 470 012	Needle D.7x7	1		●				
17	160.116	1240 304 278	Pressure Piece	3		●				
18	156.036	0732 040 386	Inner Spring De.3x34	3		●				
19	156.037	0732 040 385	Outer Spring De.6x34	3		●				
20	188.211	0730 062 323	Oil Plug	1		●				
21	154.097	1295 304 002	Sliding Sleeve	1		●				
22	109.072	1295 304 278	Synchronizer Cone	1		●				
23	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
24	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
25	137.083	0750 118 005	Roller Cage 63x97,5x34,80	2		●				
26	244.346	1297 304 308	Gear 4th Speed 28 T	1	A	●				
26	244.342	1297 304 274	Gear 4th Speed 30 T	1	B	●				
26	244.347	1297 304 380	Gear 4th Speed 29 T	1	C	●				
27	157.195	1297 304 188	Fixed Hub 4th/5th Speed	1		●				
28	154.189	1297 304 120	Sliding Sleeve	1		●				
29	244.345	1297 304 279	Gear 3rd Speed 32 T	1	AC	●				
29	244.341	1297 304 273	Gear 3rd Speed 34 T	1	B	●				
30	137.084	0735 320 418	Needle Cage 82x90x49	2		●				
31	103.134	1297 304 179	Main Shaft	1	AB	●				
31	103.139	1297 304 264	Main Shaft	1	C	●				
32	244.344	1297 304 278	Gear 2nd Speed 37 T	1	AC	●				
32	244.339	1297 304 271	Gear 2nd Speed 38 T	1	B	●				
33	157.197	1295 304 235	Fixed Hub 1st/2nd Speed	1		●				
34	154.188	1297 304 119	Sliding Sleeve	1		●				

ECOSPLIT I-II
16K190

Date

09/2014

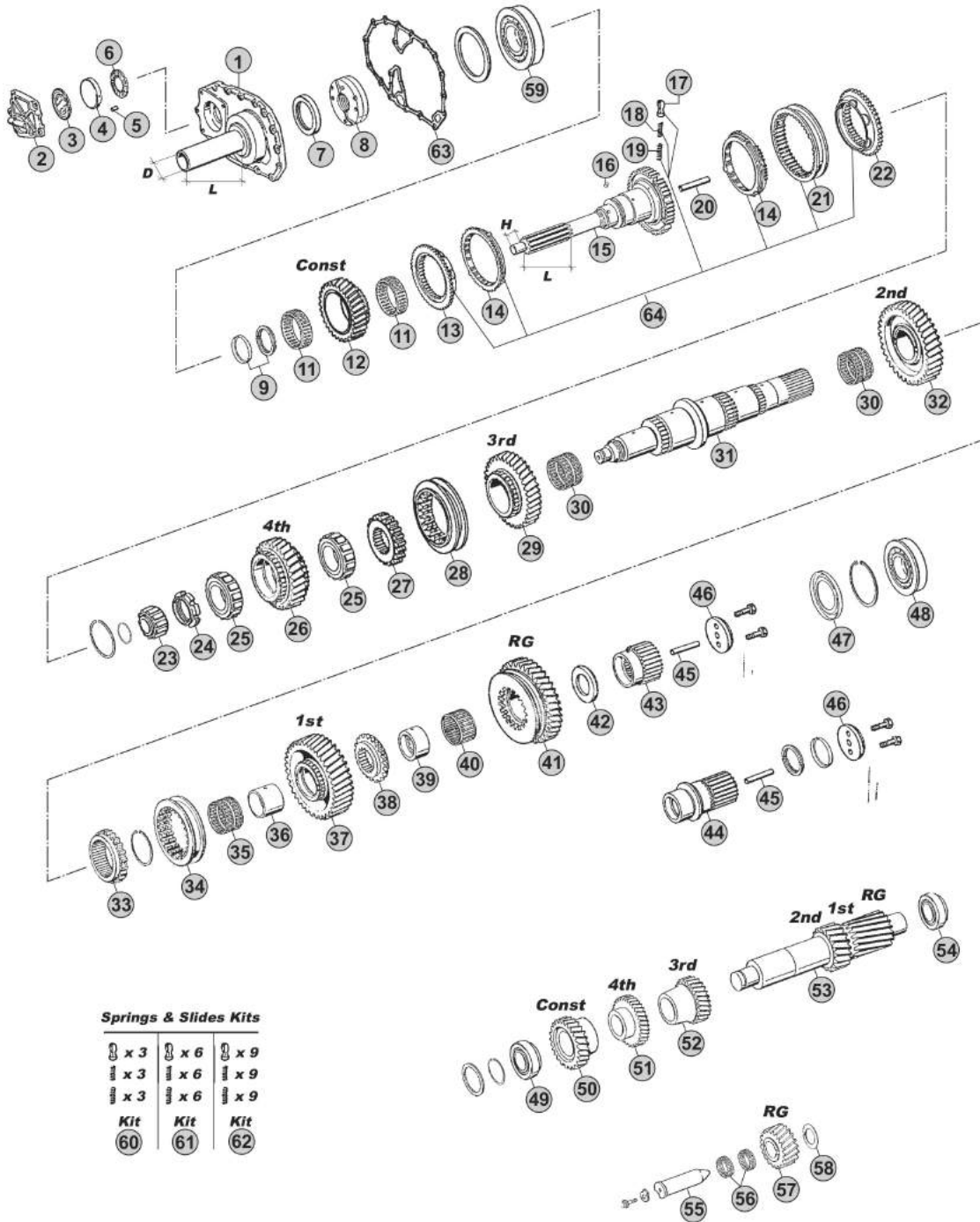
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K190 (1297 xxx xxx)



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Notes

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- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K190				
35	137.161	0735 320 568	Needle Cage D.82x90x53	1		●				
36	117.317	1297 304 055	Bush	1		●				
37	244.343	1297 304 277	Gear 1st Speed 44 T	1	AC	●				
37	244.340	1297 304 272	Gear 1st Speed 47 T	1	B	●				
38	109.178	1297 304 154	Synchronizer Cone	1		●				
39	117.318	1297 304 034	Bush	1	AB	●				
40	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
41	147.109	1297 304 149	Reverse Gear 39 T	1	AC	●				
41	147.140	1297 304 148	Reverse Gear 38 T	1	B	●				
42	169.758	1297 304 177	Thrust Washer	1		●				
43	157.177	1297 304 187	Sun Gear 27 T	1	AB	●				
44	157.206	1297 304 265	Side Gear 24 T	1	C	●				
45	189.671	0730 061 842	Oil Tube	1		●				
46	188.076	1272 304 021	Stop Washer	1		●				
47	139.922	1295 304 129	Oil Collector	1	AB	●				
47	139.923	1297 301 004	Oil Collector	1	C	●				
48	130.240	0750 118 153	Bearing 60x130x31	1	AB	●				
48	130.455	0750 118 181	Bearing 80x140x26	1	C	●				
49	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
50	146.383	1297 303 074	Constant Gear 31 T	1	A	●				
50	146.322	1297 303 066	Constant Gear 34 T	1	B	●				
50	146.319	1297 303 098	Constant Gear 32 T	1	C	●				
51	146.382	1297 303 072	Gear 4th Speed 34 T	1	A	●				
51	146.381	1297 303 065	Gear 4th Speed 31 T	1	B	●				
51	146.447	1297 303 114	Gear 4th Speed 39 T	1	C	●				
52	146.446	1297 303 081	Gear 3rd Speed 28 T	1	AC	●				
52	146.380	1297 303 077	Gear 3rd Speed 25 T	1	B	●				
53	105.311	1297 303 080	Countershaft	1	AC	●				
53	105.310	1297 303 076	Countershaft	1	B	●				
54	130.243	0750 117 008	Bearing 50x110x42	1		●				
55	107.108	1295 305 056	Reverse Gear Pin	1		●				
56	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
57	147.133	1295 305 051	Reverse Gear 21 T	1	AC	●				
57	147.094	1295 305 052	Reverse Gear 24 T	1	B	●				
58	169.234	0730 150 064	Thrust Washer	1		●				
59	130.305	0750 118 131	Bearing 80x150x27,50	1		●				
60	198.339	1268 298 938	Spring Slide kit	1		●				
61	198.564		Spring Slide kit	1		●				
62	198.842	1295 298 933	Spring Slide kit	1		●				
63	139.686	1313 302 014	Gasket	1		●				
64	198.724	1295 298 936	Synchro Kit	1	W/"Old Type" synchro rings	●				
64	298.323	1297 298 962	Synchro Kit	1	W/"New Type" synchro rings	●				

 ECOSPLIT I-II
16K190

Date

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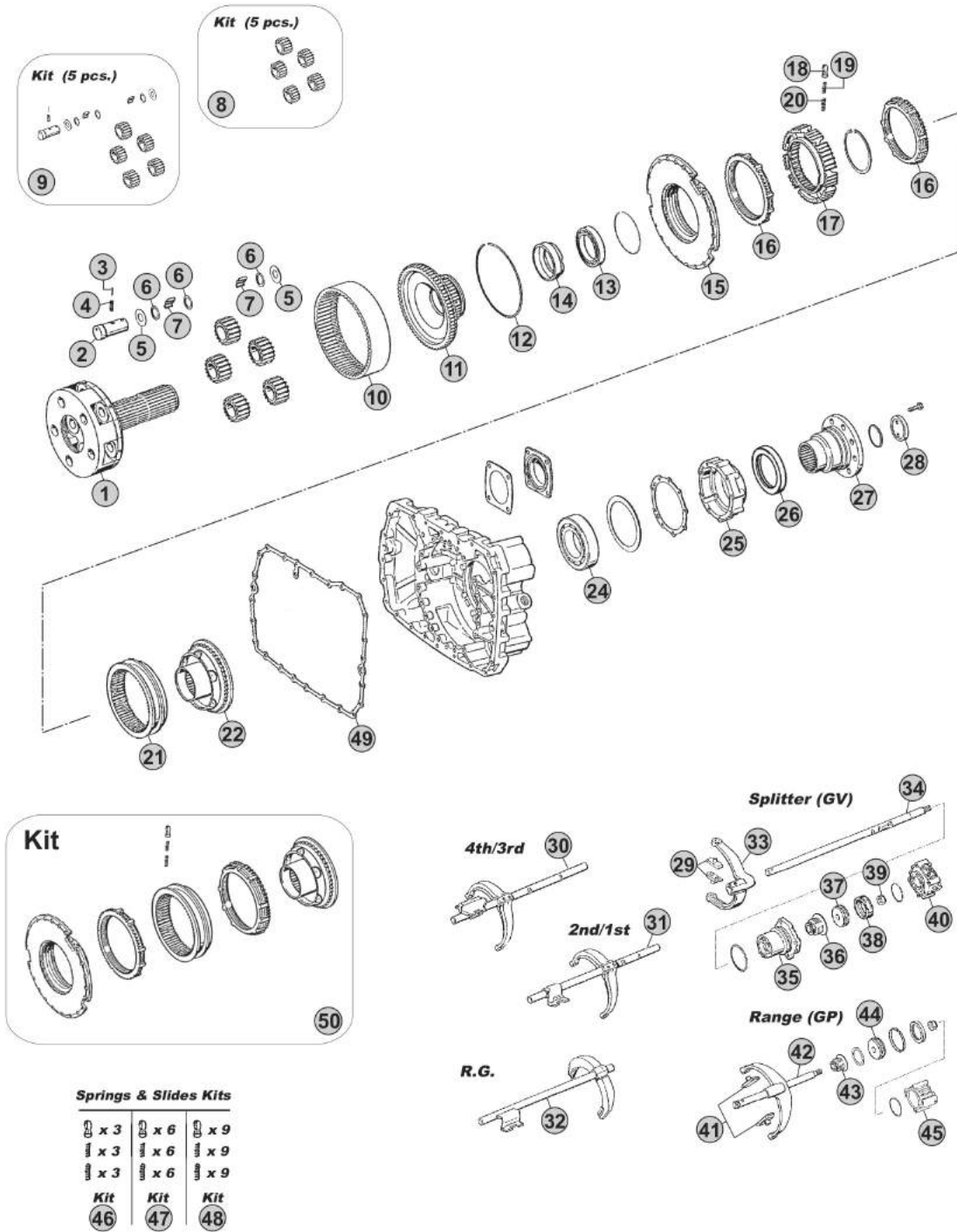
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K190 (1297 xxx xxx)



Notes

- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16K190				
1	190.396	1297 232 039	Planetary Carrier	1	AB	●				
1	190.395	1297 232 045	Planetary Carrier	1	C	●				
2	107.163	1297 332 109	Planet pin	5		●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●				
8	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	AB	●				
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	C	●				
9	198.704	1297 298 912	Planetary Gear Set (5 pcs)	1	AB	●				
9	298.807	1297 298 919	Planetary Gear Set	1	C	●				
10	123.217	1297 332 080	Crown Gear 83 T	1	AB	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	C	●				
11	150.138	1297 332 017	Carrier Hub 83 T	1	AB	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	C	●				
12	111.129	0730 505 055	Locking Wire	1	AB	●				
12	111.198	0730 505 056	Locking Wire	1	C	●				
13	130.310	0750 116 165	Bearing 80x110x16	1		●				
14	119.255	1297 332 122	Intermediate Ring	1		●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	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		●				
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.260	1296 301 067	Cover	1		●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.162	1297 338 010	Output Flange D.180 mm	1	D.180-10 H.	●				
27	197.163	1297 338 038	Output Flange D.180 mm	1	D.180-10 H.	●				
28	188.077	1295 332 051	Stop Washer	1		●				
29	141.068	1295 306 132	Bronze Slide	2		●				
30		1297 206 077	Fork	1	AC	●				
30		1297 206 083	Fork	1	B	●				
31	141.248	1297 206 076	Fork	1	AC	●				
31		1297 206 082	Fork	1	B	●				
32		1297 206 172	Fork	1	B	●				
32		1297 206 173	Fork	1	AC	●				
33	141.086	1313 312 002	Shift Yoke	1		●				

ECOSPLIT I-II
16K190

Date

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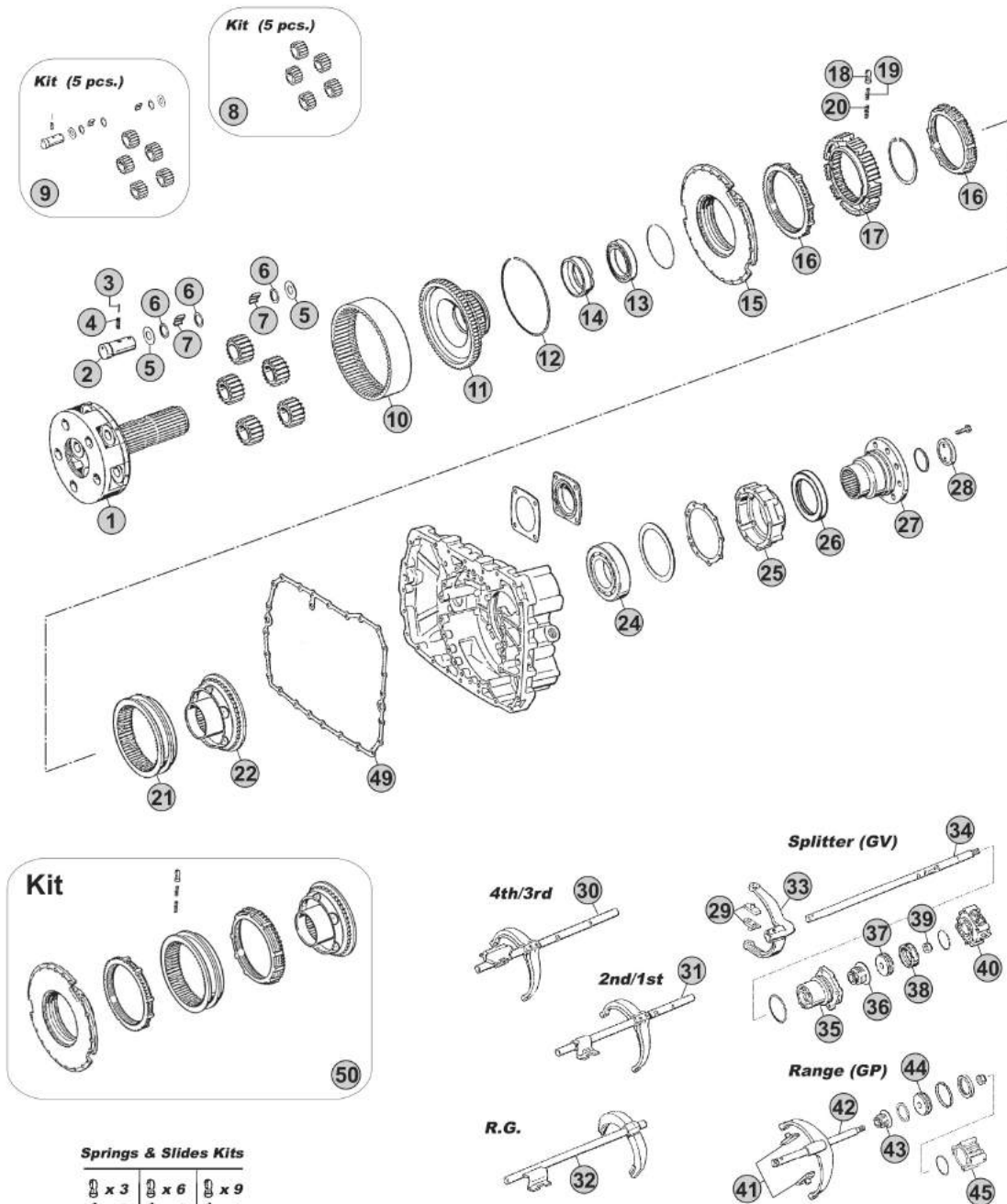
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16K190 (1297 xxx xxx)



Notes

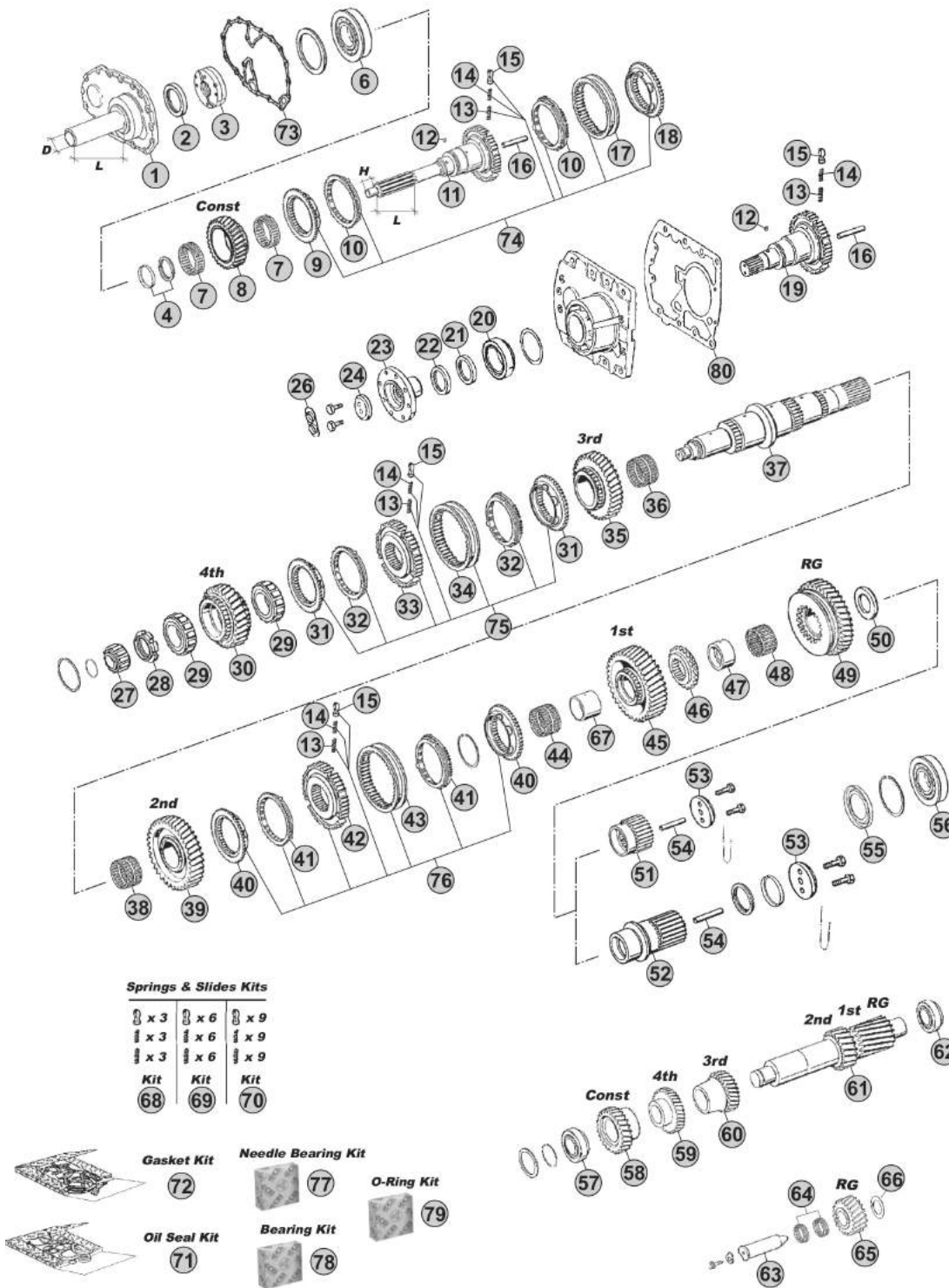
- (A) R. 11,46-0,85
- (B) R. 13,68-1,00
- (C) R. 14,29-0,82

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190 (1297 xxx xxx)



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Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165190			
1	135.201	1297 302 042	Front Cover	1	L=170 D=60	●			
1	128.338	1297 302 025	Front Cover	1		●			
1	128.350	1297 302 272	Front Cover	1		●			
2	139.937	0750 111 002	Oil Seal 48x75x8	1	(14)	●			
2	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
3	280.348	1295 202 041	Oil Pump	1		●			
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●			
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●			
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●			
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●			
7	137.153	0735 320 896	Needle Cage 88x96x29	2		●			
8	145.466	1297 302 177	Constant Gear 30 T	1	B	●			
8	145.406	1297 302 176	Constant Gear 28 T	1	C	●			
8	145.405	1297 302 250	Constant Gear 29 T	1	D	●			
8	145.407	1297 302 241	Constant Gear 26 T	1	E	●			
9	109.072	1295 304 278	Synchronizer Cone	1		●			
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●			
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●			
11	102.223	1297 202 053	Input Shaft	1	L=125 H=30	●			
11	102.236	1297 202 009	Input Shaft	1	L=126 H=32	●			
11	102.235	1297 202 011	Input Shaft	1	L=118 H=32	●			
11	102.586	1297 202 061	Input Shaft	1		●			
11	102.541	1297 202 003	Input Shaft	1		●			
11	102.259	1297 202 063	Input shaft	1		●			
11	102.245	1297 202 004	Input Shaft	1		●			
11	102.540	1297 202 054	Input Shaft	1		●			
12	171.084	0635 470 012	Needle D.7x7	1		●			
13	156.037	0732 040 385	Outer Spring De.6x34	3	3x3 pcs.	●			
14	156.036	0732 040 386	Inner Spring De.3x34	3	3x3 pcs.	●			
15	160.116	1240 304 278	Pressure Piece	3	3x3 pcs.	●			
16	188.211	0730 062 323	Oil Plug	1		●			
17	154.097	1295 304 002	Sliding Sleeve	1		●			
18	109.072	1295 304 278	Synchronizer Cone	1		●			
19	102.237	1297 202 044	Input Shaft	1		●			
20	130.432	0750 117 418	Bearing	1		●			
21	139.974	0634 310 648	Oil Seal 70x90x10	1		●			
22	139.973	0734 300 140	Oil Seal 70x90x10	1		●			
23	155.135	1286 304 026	Drive Flange	1	D.150-8 H.	●			
23	197.261	1297 302 171	Drive Flange	1	D.150-8 H.	●			
24	188.078	1269 302 065	Stop Washer	1		●			
26	188.274	1269 302 164	Stop Washer	1		●			
27	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●			
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●			

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16S190

Date

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Notes

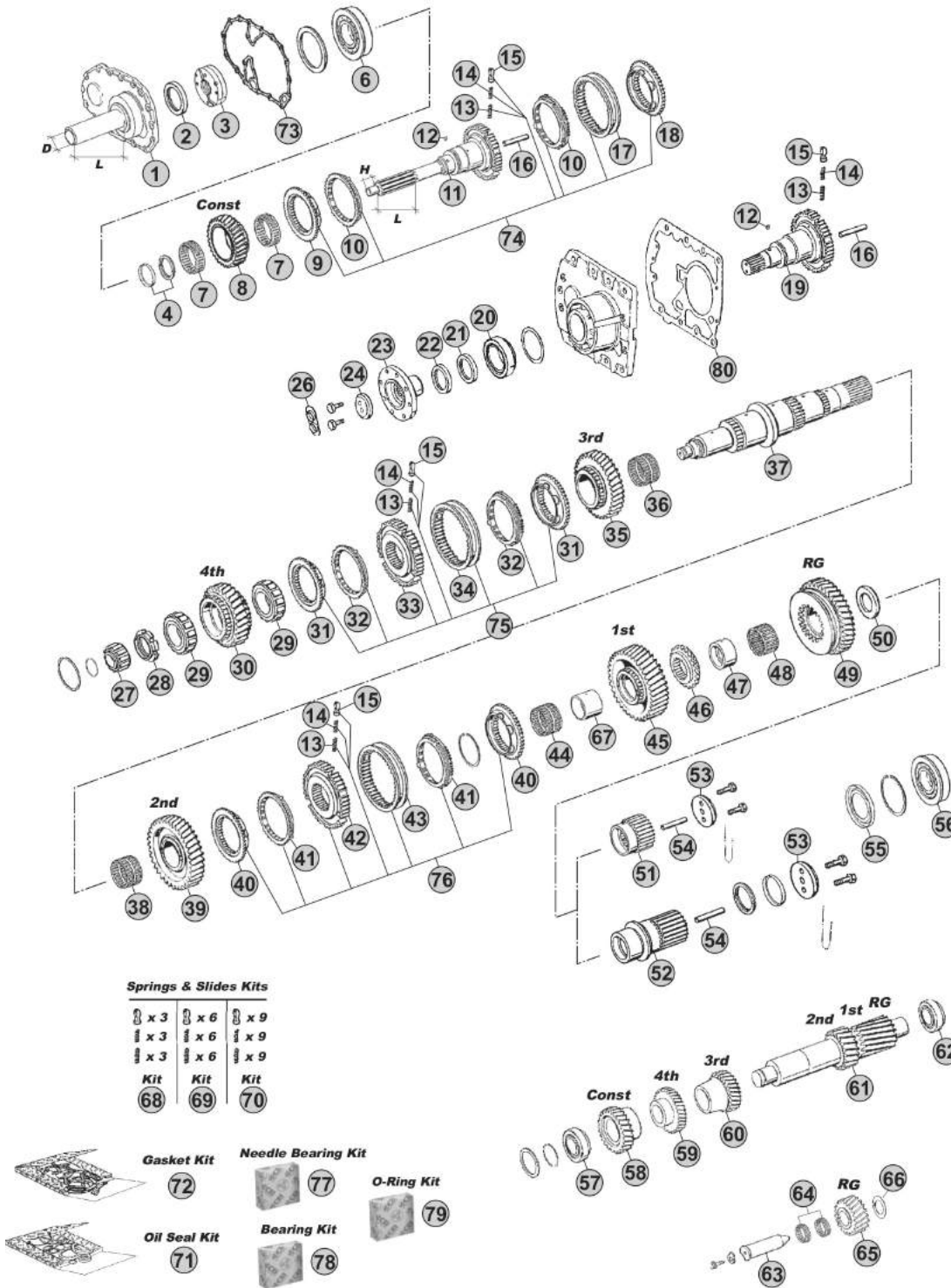
(14) For Input shaft 1297 202 004

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165190				
29	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●				
30	146.384	1297 304 267	Gear 4th Speed 28 T	1	B	●				
30	146.318	1297 304 260	Gear 4th Speed 30 T	1	C	●				
30	146.315	1297 304 318	Gear 4th Speed 26 T	1	D	●				
30	146.294	1297 304 413	Gear 4th Speed 29 T	1	E	●				
31	109.072	1295 304 278	Synchronizer Cone	2		●				
32	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
32	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
33	157.110	1297 304 031	Synchronizer Hub	1		●				
34	154.097	1295 304 002	Sliding Sleeve	1		●				
35	145.470	1297 304 266	Gear 3rd Speed 32 T	1	BD	●				
35	145.450	1297 304 261	Gear 3rd Speed 34 T	1	C	●				
35	145.377	1297 304 414	Gear 3rd Speed 34 T	1	E	●				
36	137.112	0735 320 451	Needle Cage 82x90x60	1		●				
37	103.132	1297 304 181	Main Shaft	1	BC	●				
37	103.098	1297 304 193	Main Shaft	1	DE	●				
38	137.109	0735 320 452	Needle Cage 82x90x55	1		●				
39	145.500	1297 304 269	Gear 2nd Speed 37 T	1	BD	●				
39	145.375	1297 304 442	Gear 2nd Speed 38 T	1	CE	●				
40	109.074	1297 304 196	Synchronizer Cone	2		●				
41	119.125	1296 304 135	Synchronizer Ring	2	Z 54 - Alt. use 119.086	●				
41	119.086	1246 304 278	Synchronizer Ring	2	Z 42 - Alt. use 119.125	●				
42	157.111	1297 304 195	Synchronizer Hub	1		●				
43	154.051	1257 304 020	Sliding Sleeve	1		●				
44	137.110	0735 320 487	Needle Cage 82x90x68	1		●				
45	145.507	1297 304 270	Gear 1st Speed 44 T	1	BD	●				
45	145.376	1297 304 441	Gear 1st Speed 47 T	1	CE	●				
46	109.178	1297 304 154	Synchronizer Cone	1		●				
47	117.318	1297 304 034	Bush	1	BC	●				
48	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
49	147.109	1297 304 149	Reverse Gear 39 T	1	BD	●				
49	147.140	1297 304 148	Reverse Gear 38 T	1	CE	●				
50	169.757	1297 304 381	Thrust Washer	1	BC	●				
51	157.177	1297 304 187	Sun Gear 27 T	1	BC	●				
52	157.198	1297 304 439	Sun Gear 24 T	1	DE	●				
53	188.076	1272 304 021	Stop Washer	1		●				
54	189.671	0730 061 842	Oil Tube	1		●				
55	139.923	1297 301 004	Oil Collector	1		●				
56	130.702	0750 118 006	Bearing 65x140x33	1	BC	●				
56	130.703	0750 118 471	Bearing 80x140x33	1	DE	●				
57	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
58	146.383	1297 303 074	Constant Gear 31 T	1	B	●				
58	146.322	1297 303 066	Constant Gear 34 T	1	C	●				

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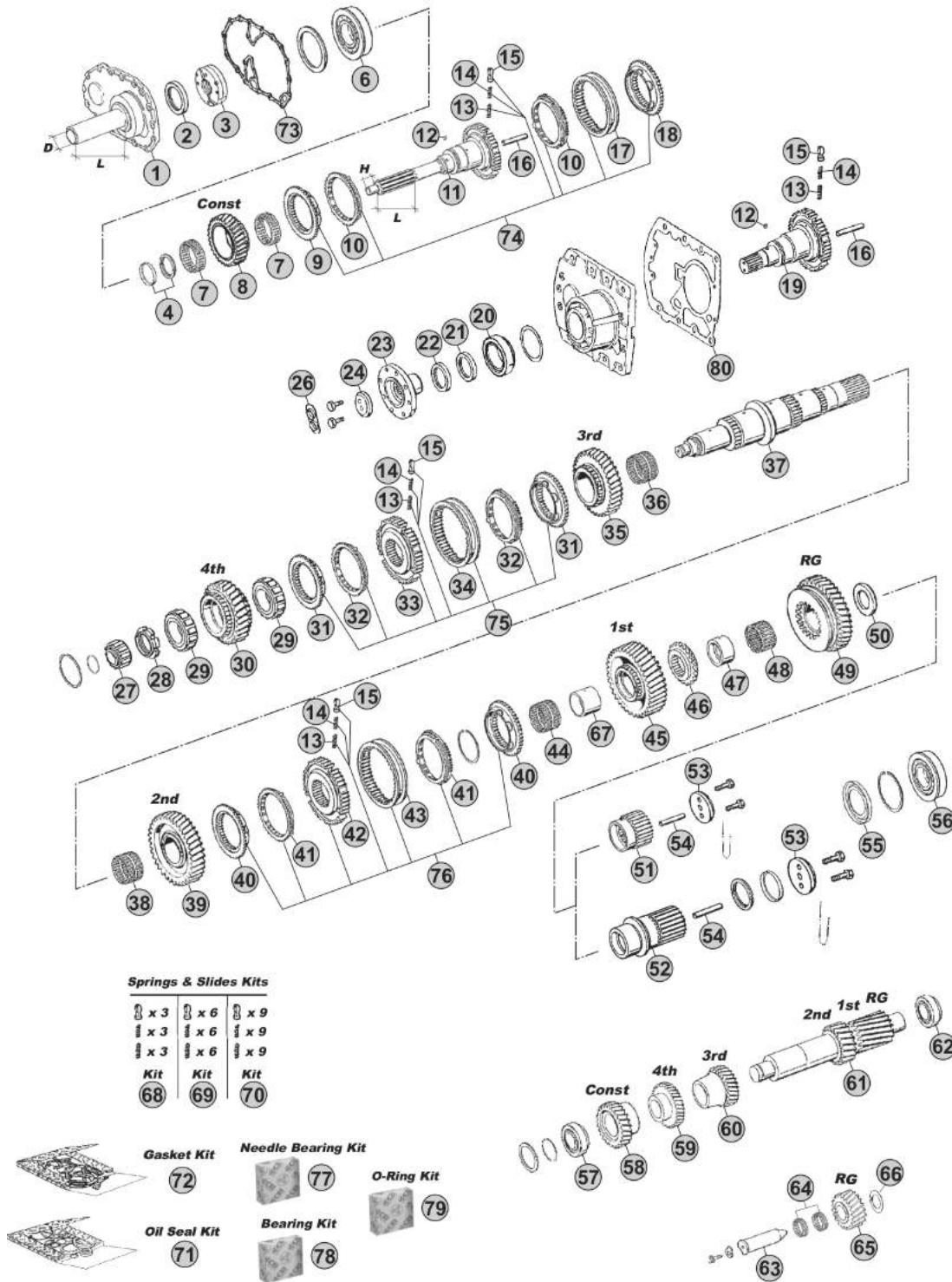
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190 (1297 xxx xxx)



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Notes

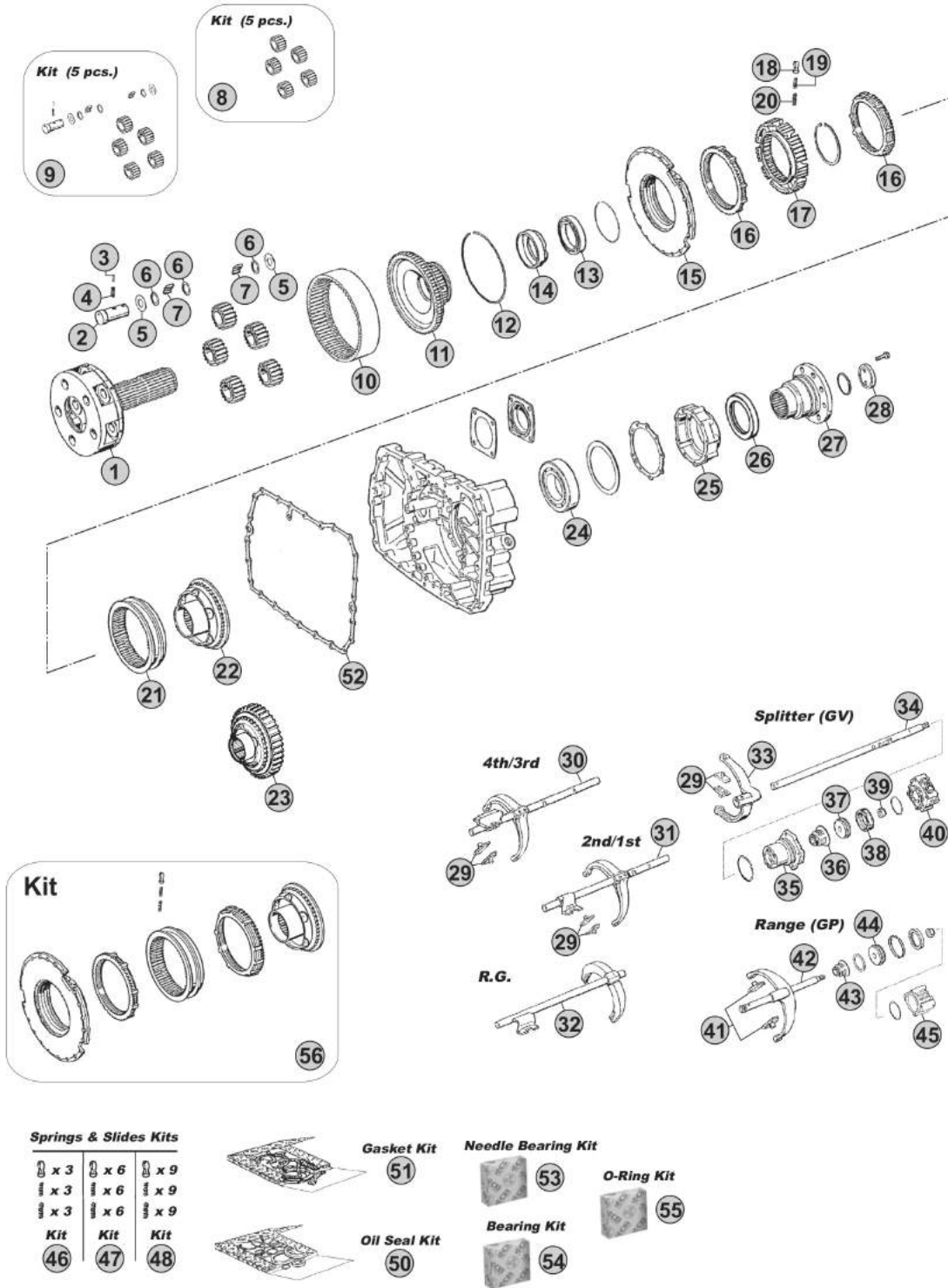
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165190				
1	190.396	1297 232 039	Planetary Carrier	1	BC	●				
1	190.395	1297 232 045	Planetary Carrier	1	DE	●				
1	190.556	1316 232 005	Planetary Carrier	1	(10) E	●				
2	107.163	1297 332 109	Planet pin	5		●				
2	107.165	1312 332 026	Planetary Pin	5	(10)	●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(10)	●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(10)	●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●				
5	169.759	0501 308 981	Thrust Washer	10	(10)	●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
6	169.744	0730 107 168	Spacer Ring	15	(10)	●				
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140	(10)	●				
8	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	BC	●				
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	DE	●				
8	198.801	1312 232 014	Planetary Gear Set (5 pcs)	1	(10) E	●				
9	198.704	1297 298 912	Planetary Gear Set (5 pcs)	1	BC	●				
9	298.807	1297 298 919	Planetary Gear Set	1	DE	●				
10	123.217	1297 332 080	Crown Gear 83 T	1	BC	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	DE	●				
11	150.138	1297 332 017	Carrier Hub 83 T	1	BC	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	DE	●				
11	150.134	1297 332 120	Carrier Hub 86 T	1	(10) E	●				
12	111.129	0730 505 055	Locking Wire	1	BC	●				
12	111.198	0730 505 056	Locking Wire	1	DE	●				
13	130.310	0750 116 165	Bearing 80x110x16	1		●				
13	130.311	0635 338 035	Bearing 100x125x13	1	(10)	●				
14	119.255	1297 332 122	Intermediate Ring	1		●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	Synchronizer Hub	1		●				
17	157.183	1297 333 115	Synchronizer Hub	1	(10)	●				
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		●				
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●				
22	198.790	1297 233 056	Synchronizer Cone (41 spl.)	1	(10)	●				
23	109.772	1297 333 118	Synchronizer Cone (38 Spl.)	1	With Retarder	●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				

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Notes

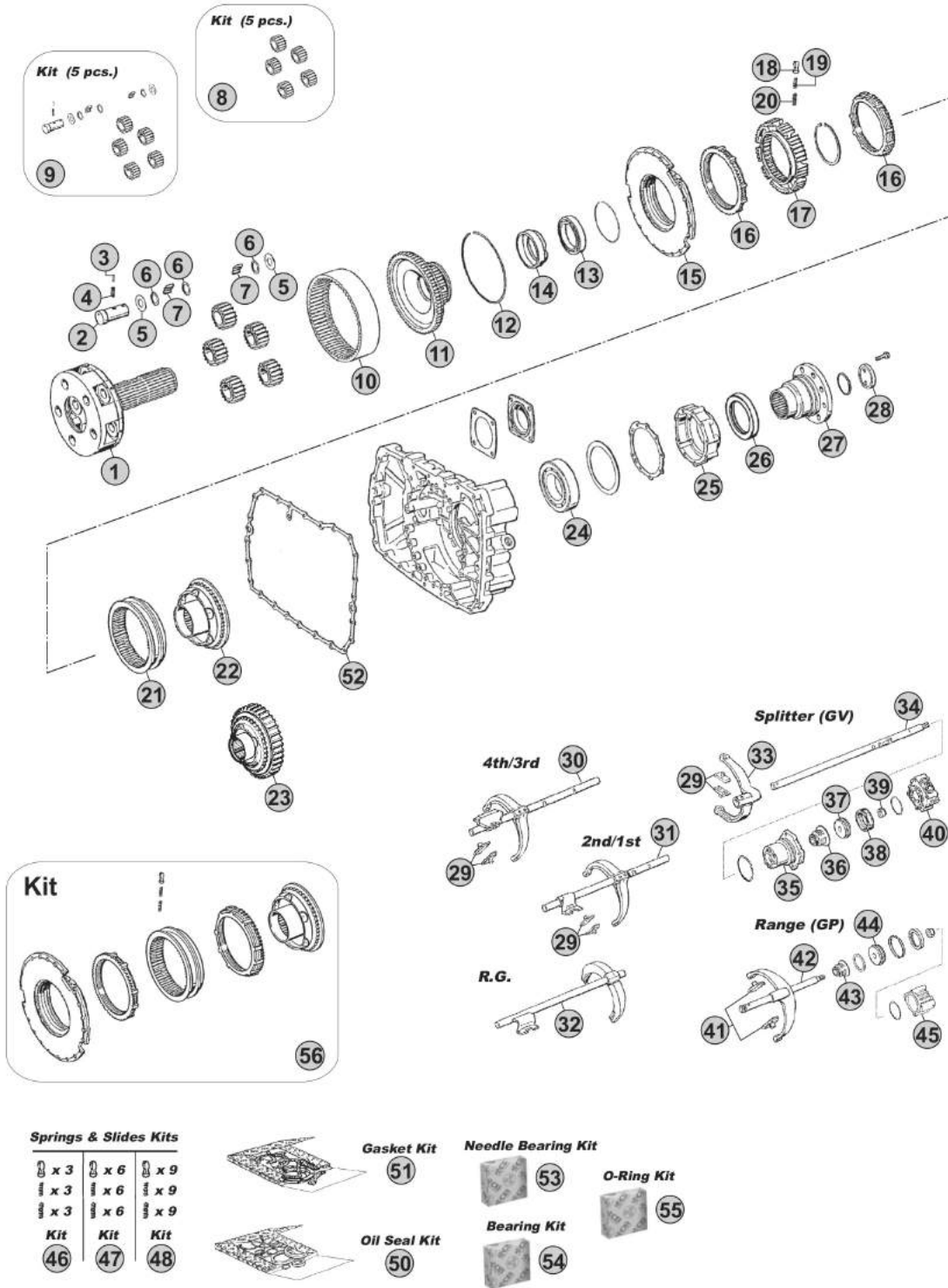
(10) New reinforced style. Use items marked (8) together

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190 (1297 xxx xxx)



Notes

- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165190				
25	128.260	1296 301 067	Cover	1		●				
25	128.098	1315 301 220	Cover	1	(10)	●				
26	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
27	197.167	1297 338 041	Output Flange D.180 mm	1	D.180-4 H.	●				
27	197.163	1297 338 038	Output Flange D.180 mm	1	D.180-10 H.	●				
27	197.162	1297 338 010	Output Flange D.180 mm	1	D.180-10 H.	●				
27	197.254	1297 333 110	Output Flange D.180 mm	1	(10) D.180-4 H.	●				
28	188.077	1295 332 051	Stop Washer	1		●				
28	188.121	1312 332 028	Stop Washer	1	(10)	●				
29	141.068	1295 306 132	Bronze Slide	2	3x2 pcs.	●				
30	298.813	1297 206 103	Complete Fork	1		●				
30	298.814	1297 206 104	Complete Fork	1		●				
30		1297 206 192	Complete Fork	1		●				
31	298.819	1297 206 106	Complete Fork	1		●				
31	298.820	1297 206 105	Complete Fork	1		●				
31		1297 206 191	Complete Fork	1		●				
32	298.824	1297 206 174	Complete Fork	1		●				
32	298.825	1297 206 175	Complete Fork	1		●				
32		1297 206 181	Complete Fork	1		●				
33	141.086	1313 312 002	Shift Yoke	1		●				
34	149.268	1297 312 008	Selector Rod	1		●				
35	132.046	1296 312 042	Cylinder	1		●				
36	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
37	189.421	1296 312 053	Piston	1		●				
38	139.912	0750 112 089	Ring 53x63x16,2	1		●				
39	287.091	0737 300 037	Nut	1		●				
40	132.084	0750 132 032	Cylinder	1		●				
40	280.350	0750 132 033	Cylinder	1		●				
41	141.085	1296 334 004	Bronze Slide	2		●				
42	149.171	1312 234 002	Fork	1		●				
43	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
44	189.422	1296 334 039	Piston	1		●				
44	188.278	1297 334 056	Piston	1	(10)	●				
45	132.047	1295 334 075	Cylinder	1		●				
45	132.036	1297 334 055	Cylinder	1	(10)	●				
46	198.339	1268 298 938	Spring Slide kit	1		●				
47	198.564		Spring Slide kit	1		●				
48	198.842	1295 298 933	Spring Slide kit	1		●				
50	198.428	1295 298 960	Oil Seal Ring Kit	1		●				
51	198.427	1295 298 915	Gasket Kit	1		●				
52	139.685	1313 301 037	Gasket	1		●				
53	298.425	1295 298 947	Needle Cages Kit	1		●				
54	298.426	1295 298 943	Bearing kit	1		●				

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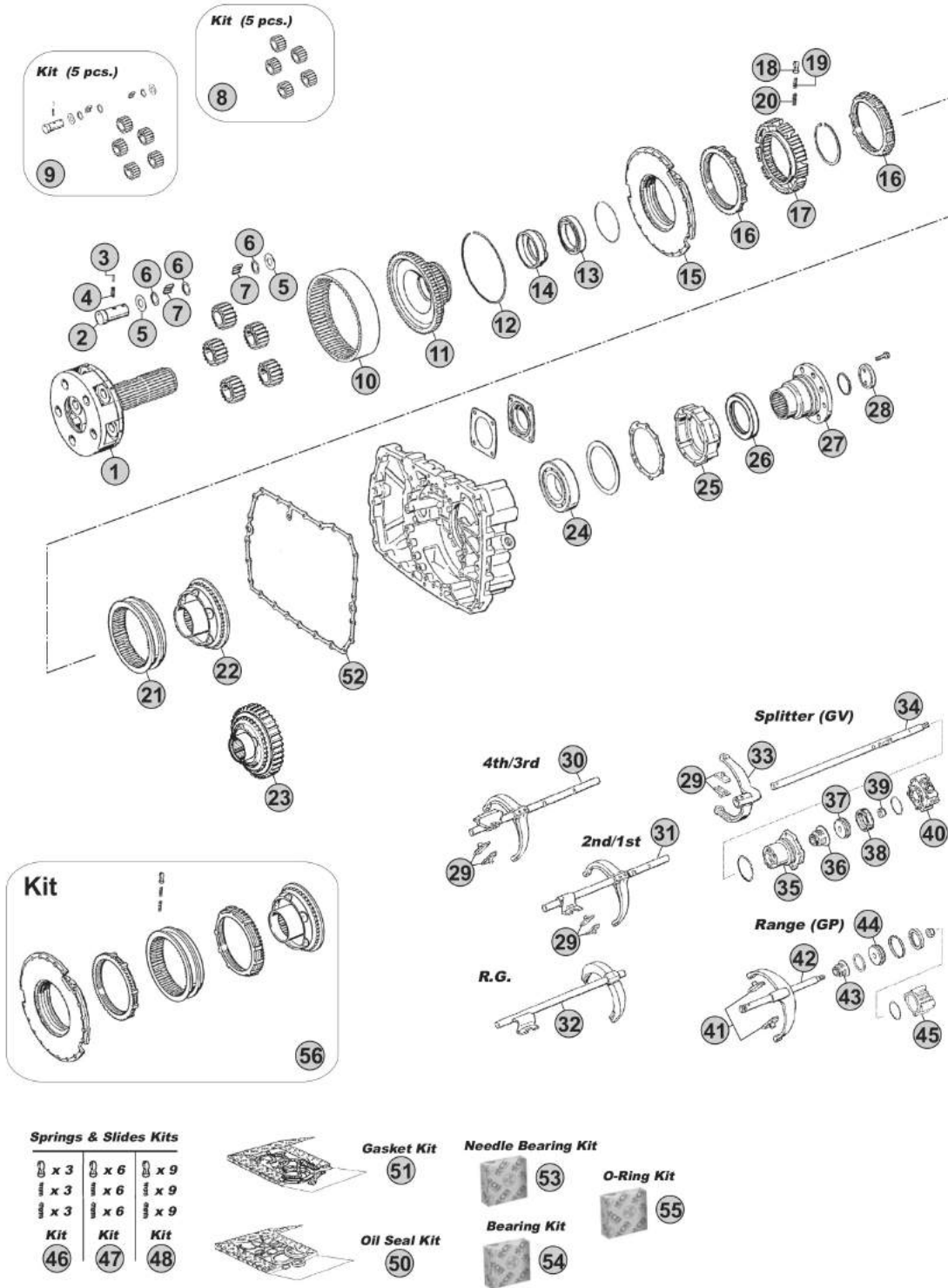
(10) New reinforced style. Use items marked (8) together

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190 (1297 xxx xxx)



Notes

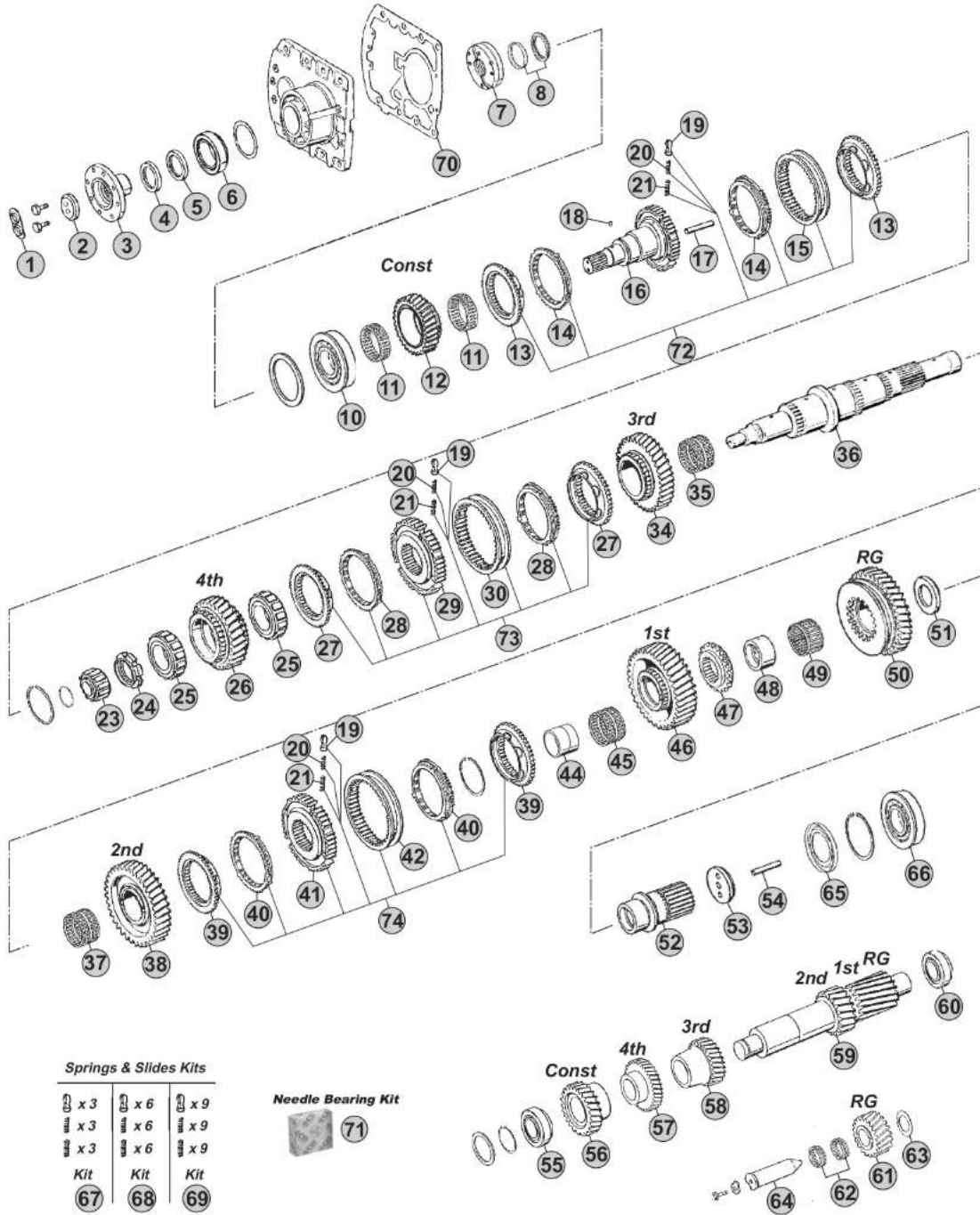
- (B) R. 11,46-0,85
- (C) R. 13,68-1,00
- (D) R. 14,29-0,82
- (E) R. 17,06-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A (1297 xxx xxx)



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Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	1651901/A				
1	188.274	1269 302 164	Stop Washer	1		●				
2	188.078	1269 302 065	Stop Washer	1		●				
3	155.135	1286 304 026	Drive Flange	1		●				
4	139.973	0734 300 140	Oil Seal 70x90x10	1		●				
5	139.974	0634 310 648	Oil Seal 70x90x10	1		●				
6	130.432	0750 117 418	Bearing	1		●				
7	280.348	1295 202 041	Oil Pump	1		●				
8	298.408	1499 298 136	Shims Kit Th. 4,35mm	1		●				
8	298.409	1499 298 135	Shims Kit Th. 4,30mm	1		●				
8	298.410	1499 298 134	Shims Kit Th. 4,25mm	1		●				
8	298.411	1499 298 133	Shims Kit Th. 4,20mm	1		●				
8	298.412	1499 298 132	Shims Kit Th. 4,15mm	1		●				
8	298.413	1499 298 131	Shims Kit Th. 4,10mm	1		●				
8	298.419	1499 298 130	Shims Kit Th. 4,05mm	1		●				
8	298.420	1499 298 129	Shims Kit Th.4,00 mm	1		●				
8	298.421	1499 298 128	Shims Kit Th.3,95 mm	1		●				
8	298.422	1499 298 127	Shims Kit Th.3,90 mm	1		●				
8	298.423	1499 298 126	Shims Kit Th.3,85 mm	1		●				
8	298.424	1499 298 125	Shims Kit Th.3,80 mm	1		●				
10	130.306	0750 117 431	Bearing 75x150x30,50	1		●				
11	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
12	145.466	1297 302 177	Constant Gear 30 T	1	A	●				
12	145.406	1297 302 176	Constant Gear 28 T	1	B	●				
12	145.407	1297 302 241	Constant Gear 26 T	1	C	●				
13	109.072	1295 304 278	Synchronizer Cone	2		●				
14	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
14	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
15	154.097	1295 304 002	Sliding Sleeve	1		●				
16	102.237	1297 202 044	Input Shaft	1		●				
17	188.211	0730 062 323	Oil Plug	1		●				
18	171.084	0635 470 012	Needle D.7x7	1		●				
19	160.116	1240 304 278	Pressure Piece	3	3x3 pcs.	●				
20	156.036	0732 040 386	Inner Spring De.3x34	3	3x3 pcs.	●				
21	156.037	0732 040 385	Outer Spring De.6x34	3	3x3 pcs.	●				
23	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
24	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
25	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●				
26	146.384	1297 304 267	Gear 4th Speed 28 T	1	A	●				
26	146.318	1297 304 260	Gear 4th Speed 30 T	1	B	●				
26	146.294	1297 304 413	Gear 4th Speed 29 T	1	C	●				
27	109.072	1295 304 278	Synchronizer Cone	2		●				
28	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
28	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				

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16S190/A

Date

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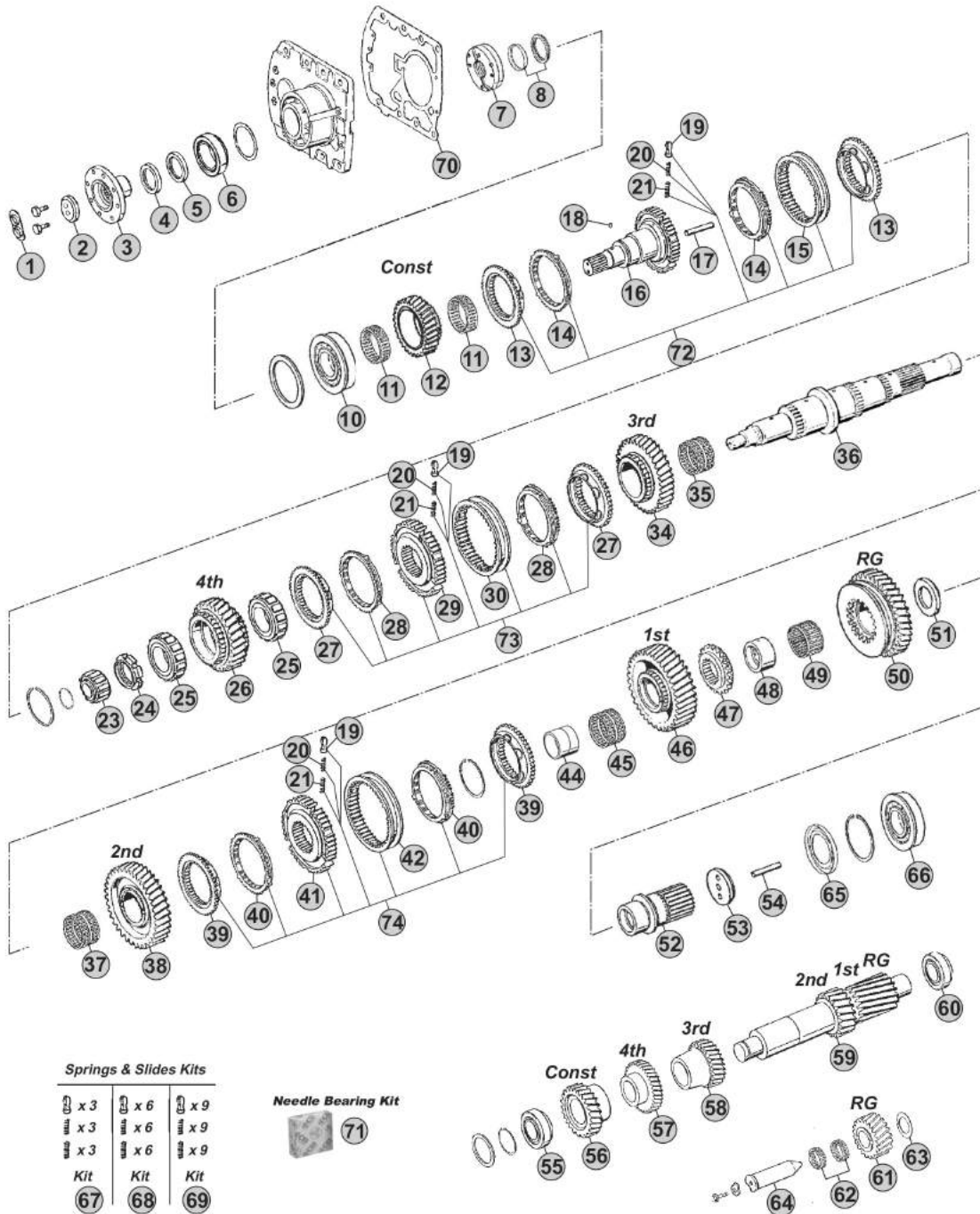
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A (1297 xxx xxx)



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Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A				
29	157.110	1297 304 031	Synchronizer Hub	1		●				
30	154.097	1295 304 002	Sliding Sleeve	1		●				
34	145.470	1297 304 266	Gear 3rd Speed 32 T	1	A	●				
34	145.450	1297 304 261	Gear 3rd Speed 34 T	1	B	●				
34	145.377	1297 304 414	Gear 3rd Speed 34 T	1	C	●				
35	137.112	0735 320 451	Needle Cage 82x90x60	1		●				
36	103.322	1297 304 221	Main Shaft	1		●				
37	137.109	0735 320 452	Needle Cage 82x90x55	1		●				
38	145.500	1297 304 269	Gear 2nd Speed 37 T	1	A	●				
38	145.375	1297 304 442	Gear 2nd Speed 38 T	1	BC	●				
39	109.074	1297 304 196	Synchronizer Cone	2		●				
40	119.125	1296 304 135	Synchronizer Ring	2	Z 54 - Alt. use 119.086	●				
40	119.086	1246 304 278	Synchronizer Ring	2	Z 42 - Alt. use 119.125	●				
41	157.111	1297 304 195	Synchronizer Hub	1		●				
42	154.051	1257 304 020	Sliding Sleeve	1		●				
44	117.246	1297 304 035	Bush	1		●				
45	137.110	0735 320 487	Needle Cage 82x90x68	1		●				
46	145.507	1297 304 270	Gear 1st Speed 44 T	1	A	●				
46	145.376	1297 304 441	Gear 1st Speed 47 T	1	BC	●				
47	109.178	1297 304 154	Synchronizer Cone	1		●				
48	117.318	1297 304 034	Bush	1		●				
49	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
50	147.109	1297 304 149	Reverse Gear 39 T	1	A	●				
50	147.140	1297 304 148	Reverse Gear 38 T	1	BC	●				
51	169.757	1297 304 381	Thrust Washer	1		●				
52	157.239	1297 304 253	Sun Gear	1	AB	●				
52	157.243	1297 304 190	Sun gear	1	C	●				
53	188.076	1272 304 021	Stop Washer	1		●				
54	189.671	0730 061 842	Oil Tube	1		●				
55	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
56	146.383	1297 303 074	Constant Gear 31 T	1	A	●				
56	146.322	1297 303 066	Constant Gear 34 T	1	B	●				
56	146.321	1297 303 086	Constant Gear 35 T	1	C	●				
57	146.382	1297 303 072	Gear 4th Speed 34 T	1	A	●				
57	146.381	1297 303 065	Gear 4th Speed 31 T	1	B	●				
57	146.416	1297 303 123	Gear 4th Speed 32 T	1	C	●				
58	146.357	1297 303 073	Gear 3rd Speed 28 T	1	A	●				
58	146.421	1297 303 067	Gear 3rd Speed 25 T	1	B	●				
58	146.422	1297 303 132	Gear 3rd Speed 26 T	1	C	●				
59	105.092	1297 303 075	Countershaft 19/23 T	1	A	●				
59	105.093	1297 303 140	Countershaft 17/20 T	1	BC	●				
60	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
61	147.133	1295 305 051	Reverse Gear 21 T	1	A	●				

ECOSPLIT-II
16S190/A

Date

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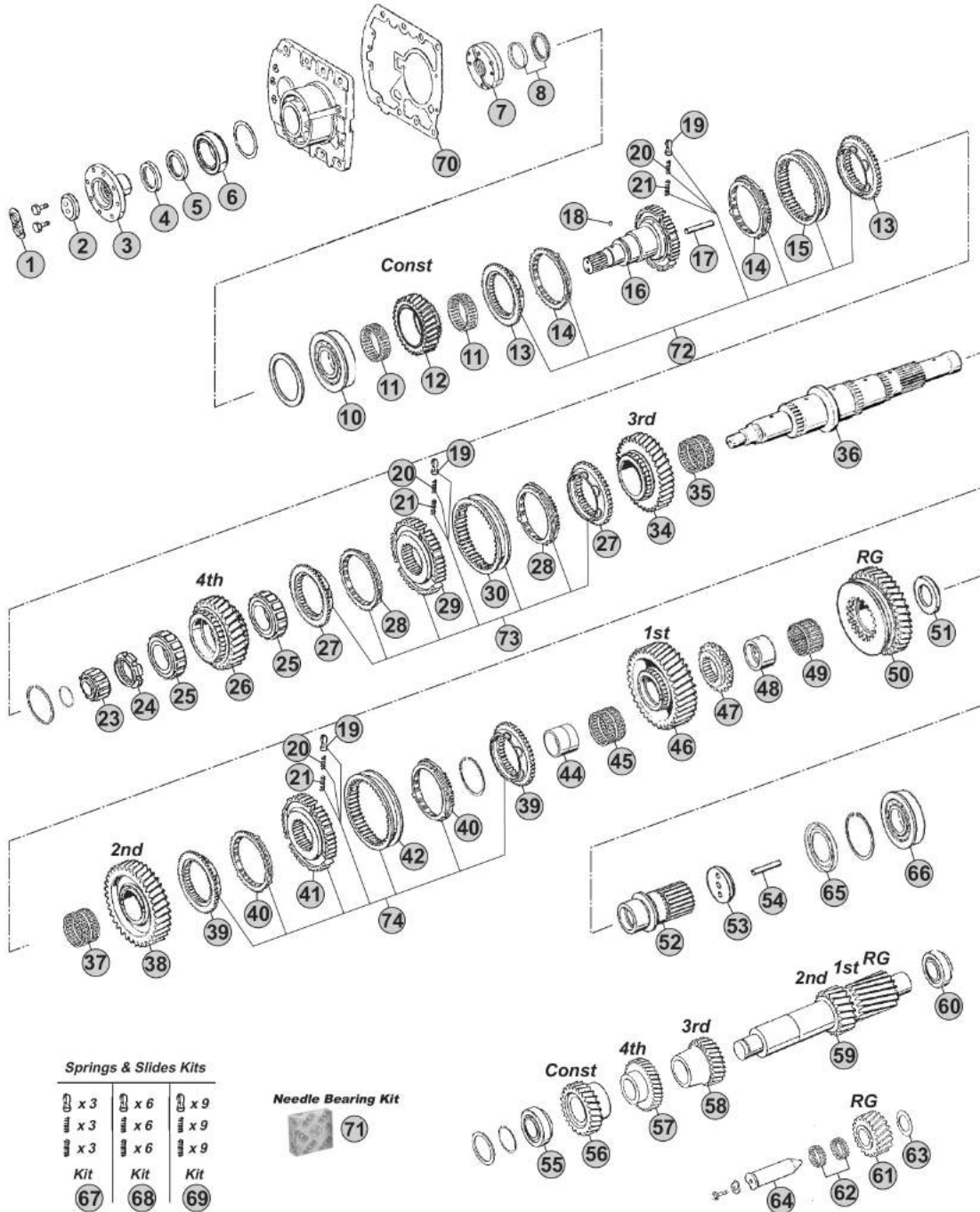
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A (1297 xxx xxx)



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Notes

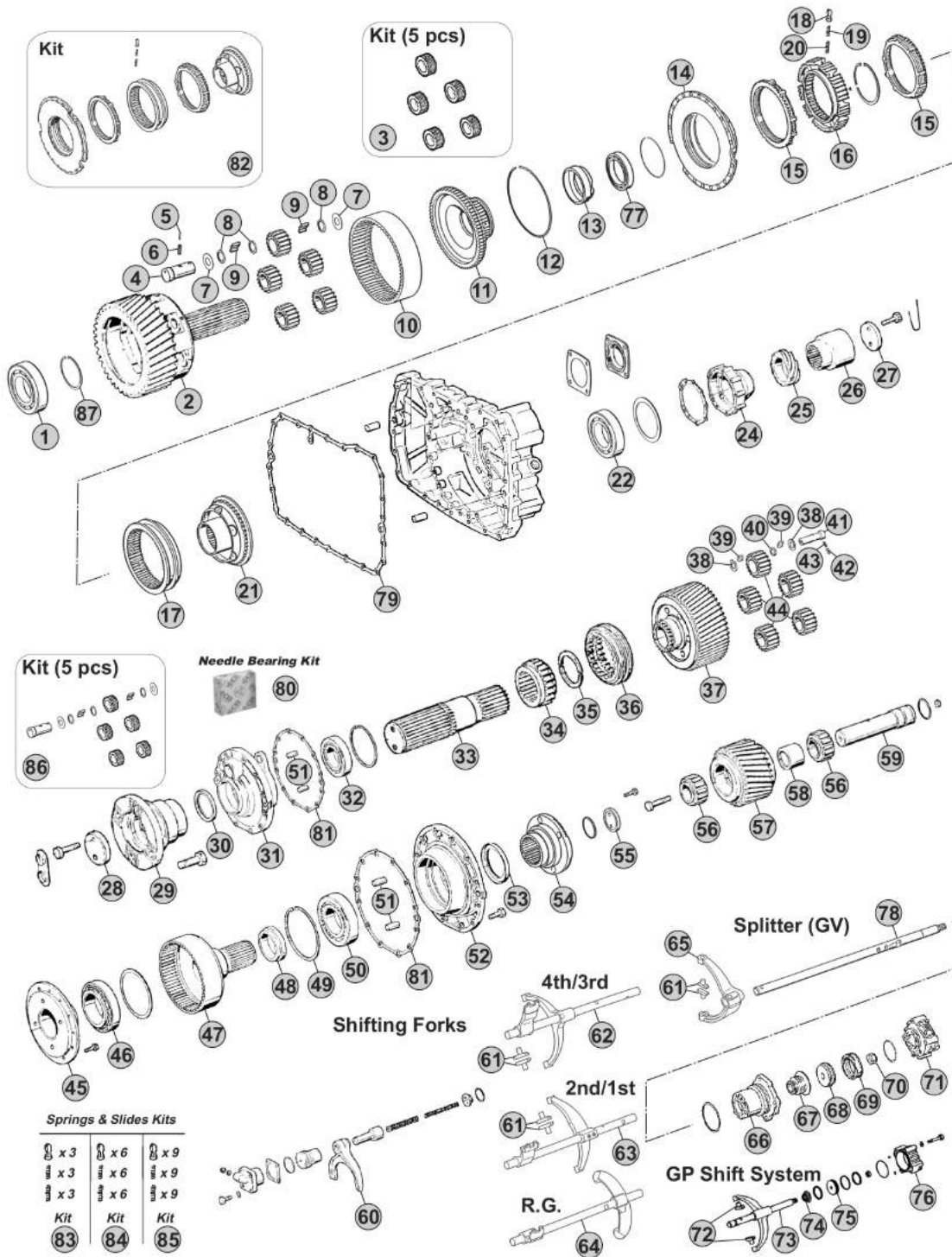
- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A (1297 xxx xxx)



Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A				
1	130.433	0735 410 110	Bearing 110x200x38	1		●				
2	190.553	1297 232 057	Planetary Carrier	1	AB	●				
2	190.557	1297 232 058	Planetary Carrier	1	C	●				
3	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	AB	●				
3	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	C	●				
4	107.163	1297 332 109	Planet pin	5		●				
5	160.191	0631 329 017	Lock Pin 3x24	5		●				
6	160.192	0631 329 050	Lock Pin 5x24	5		●				
7	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●				
8	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
9	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●				
10	123.217	1297 332 080	Crown Gear 83 T	1	AB	●				
10	123.331	1297 332 086	Crown Gear 86 T	1	C	●				
11	150.138	1297 332 017	Carrier Hub 83 T	1	AB	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	C	●				
12	111.129	0730 505 055	Locking Wire	1	AB	●				
12	111.198	0730 505 056	Locking Wire	1	C	●				
13	119.255	1297 332 122	Intermediate Ring	1		●				
14	198.358	1296 233 006	Synchro Cone	1		●				
15	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
15	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
16	157.113	1296 333 002	Synchronizer Hub	1		●				
17	154.098	1296 333 023	Sliding Sleeve	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	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●				
22	130.245	0750 116 394	Bearing 90x160x30	1		●				
24	128.352	1297 301 023	Cover	1		●				
25	126.029	1297 338 001	Speedometer gear	1		●				
26	117.506	1297 332 039	Bush	1		●				
27	188.077	1295 332 051	Stop Washer	1		●				
28	188.077	1295 332 051	Stop Washer	1		●				
29	197.162	1297 338 010	Output Flange D.180 mm	1		●				
30	139.975	0750 111 107	Oil Seal	1		●				
31	128.341	1297 339 030	Rear Cover	1		●				
32	130.245	0750 116 394	Bearing 90x160x30	1		●				
33	103.315	1297 339 028	Output Shaft	1		●				
34	155.328	1297 339 024	Fixed Hub	1		●				
35	269.814	1297 339 005	Shim	1		●				
36	154.514	1297 339 035	Sliding Sleeve	1		●				
37	190.558	1312 237 002	Planetary Carrier	1		●				
38	269.671	0730 002 088	Washer	10		●				

 ECOSPLIT H-II
16S190/A

Date _____ Notes _____

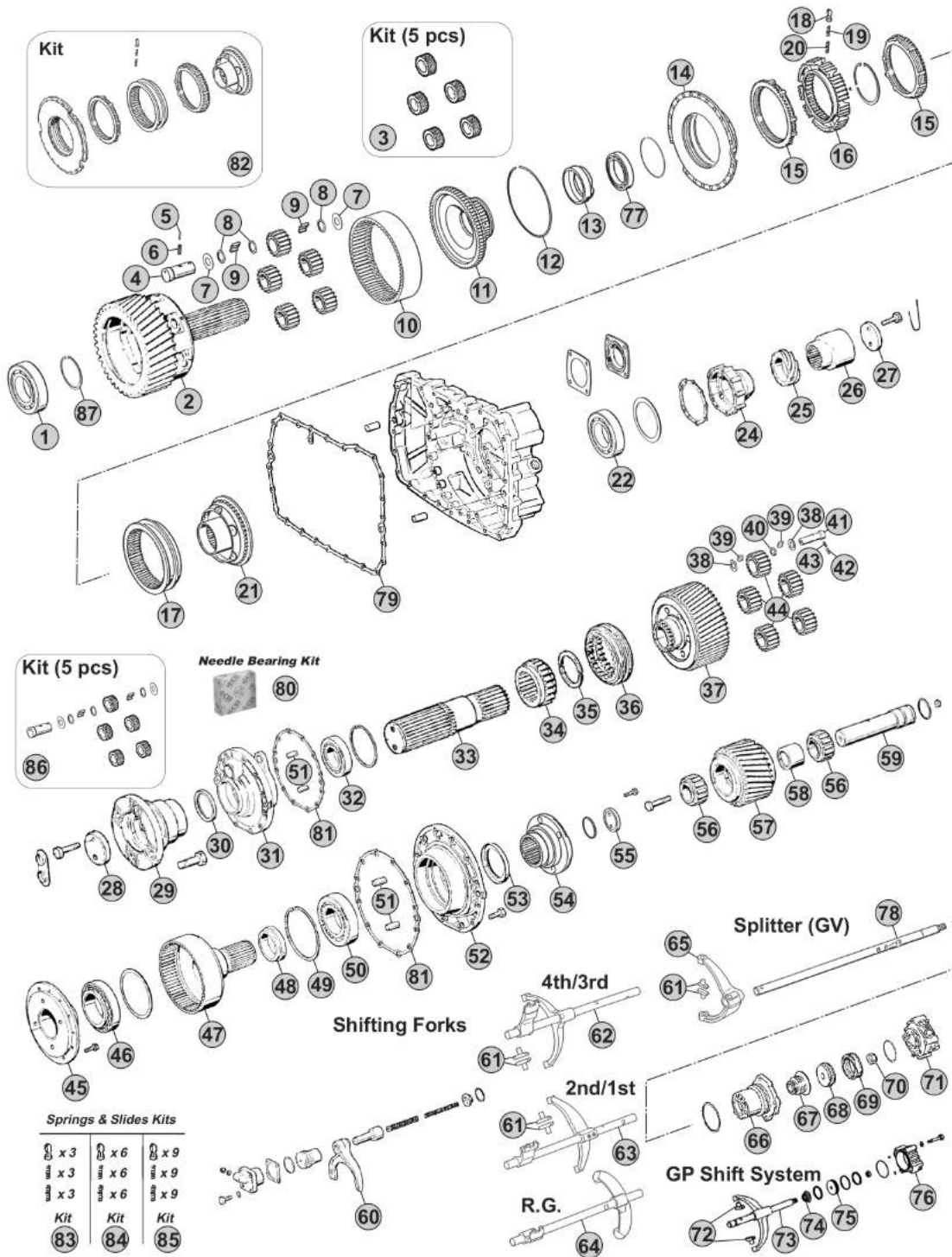
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MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A (1297 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit (83)	Kit (84)	Kit (85)

Notes

- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A				
39	171.088	0635 490 013	Needle 3,5x17,8	300		●				
40	269.672	0730 104 292	Ring	5		●				
41	107.222	1297 337 009	Planetary pin	5		●				
42	160.315	0631 329 014	Lock Pin	5		●				
43	160.316	0631 329 046	Lock pin	5		●				
44	298.156	1297 237 005	Planetary Gear Set	1		●				
45	128.342	1297 337 017	Rear Cover	1		●				
46	130.434	0635 370 030	Bearing	1		●				
47	103.314	1297 338 048	Output Shaft	1		●				
48	269.818	1297 338 019	Thrust Ring	1		●				
49	111.441	0630 502 054	Retainer Ring	1		●				
50	130.245	0750 116 394	Bearing 90x160x30	1		●				
51	160.313	0631 306 776	Pin	2	2x2 pcs.	●				
52	128.343	1297 338 083	Cover	1		●				
53	139.975	0750 111 107	Oil Seal	1		●				
54	128.372	1297 338 008	Rear Cover	1		●				
54	197.162	1297 338 010	Output Flange D.180 mm	1		●				
54	197.167	1297 338 041	Output Flange D.180 mm	1		●				
55	188.077	1295 332 051	Stop Washer	1		●				
56	137.016	0750 118 016	Needle Cage 55x106,5x43	2		●				
57	244.207	1312 336 001	Gear Low Speed	1		●				
58	117.505	1297 336 008	Bush	1		●				
59	160.317	1297 336 010	Pin	1		●				
60		1297 339 021	Fork	1		●				
61	141.068	1295 306 132	Bronze Slide	2	3x2 pcs.	●				
62		1297 206 110	Complete Fork	1	AB	●				
62		1297 206 108	Complete Fork	1	C	●				
63		1297 206 109	Complete Fork	1	AB	●				
63		1297 206 107	Complete Fork	1	C	●				
64	298.824	1297 206 174	Complete Fork	1	AB	●				
64	298.825	1297 206 175	Complete Fork	1	C	●				
65	141.086	1313 312 002	Shift Yoke	1		●				
66	132.046	1296 312 042	Cylinder	1		●				
67	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
68	189.421	1296 312 053	Piston	1		●				
69	139.912	0750 112 089	Ring 53x63x16,2	1		●				
70	287.091	0737 300 037	Nut	1		●				
71	132.084	0750 132 032	Cylinder	1		●				
71	132.085	0750 132 033	Cylinder	1		●				
72	141.085	1296 334 004	Bronze Slide	2		●				
73	149.279	1297 234 021	Selector Rod	1		●				
74	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
75	189.422	1296 334 039	Piston	1		●				

 ECOSPLIT H-II
16S190/A

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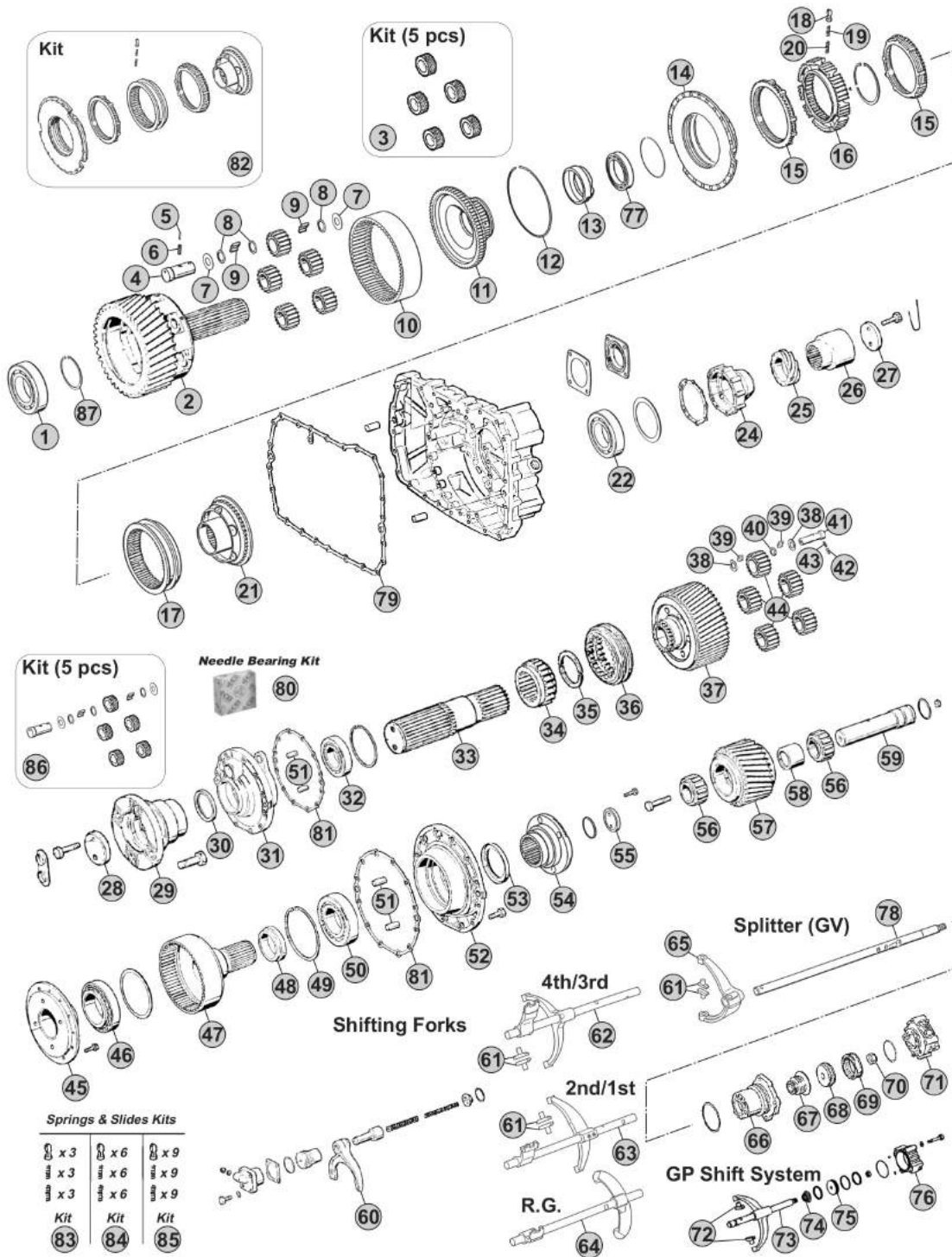
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A (1297 xxx xxx)



Notes

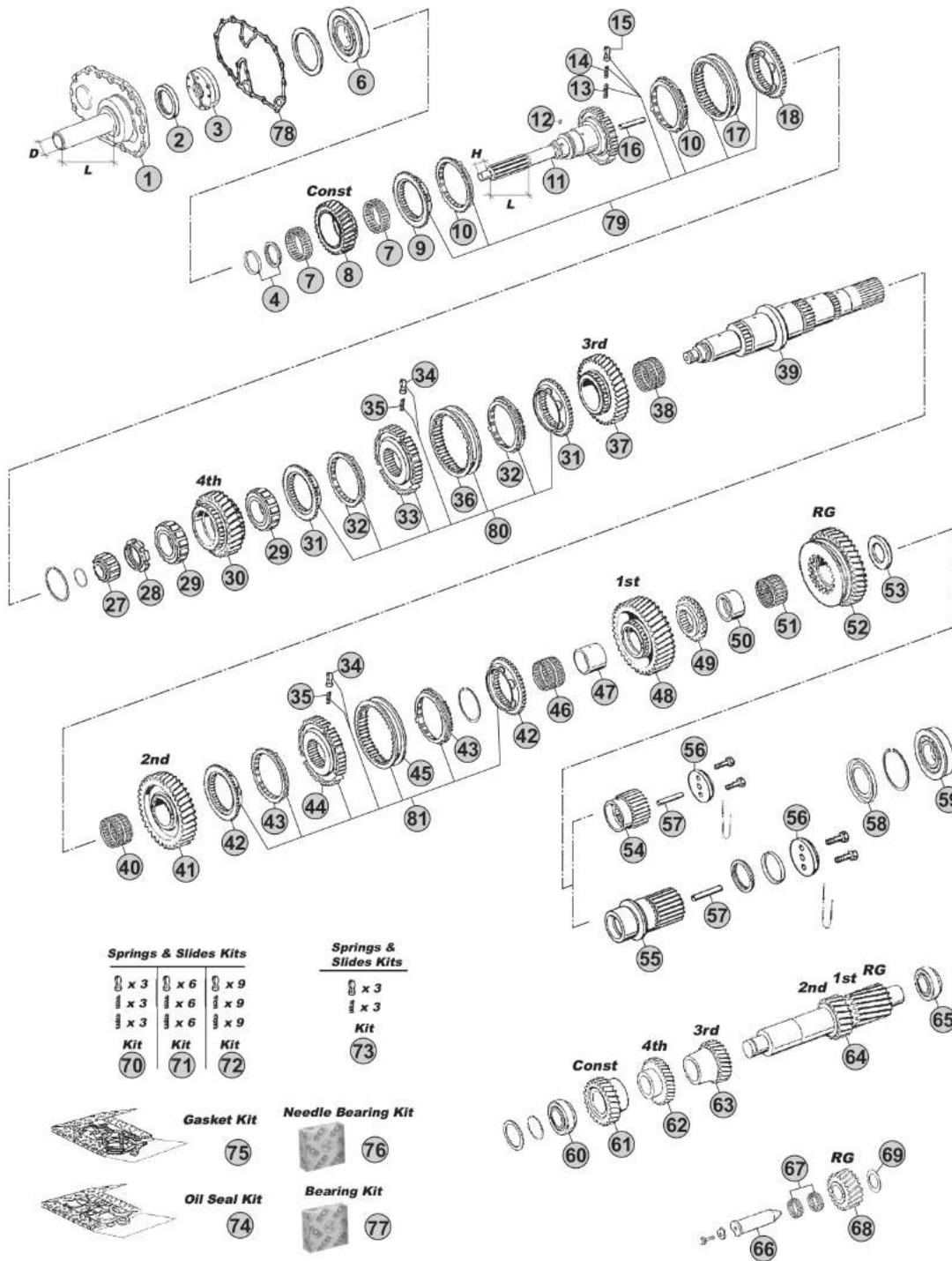
- (A) R. 11,74-0,87
- (B) R. 14,01-1,02
- (C) R. 17,47-1,02

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/1 (1297 xxx xxx)



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Notes

(C) R. 13,68-1,00

(E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/1				
1	128.338	1297 302 025	Front Cover	1	L=205 - H=68	●				
1	128.351	1297 302 043	Front Cover	1	L=170 - H=62,61	●				
2	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.400	1499 298 003	Washers Kit Th. 4,00mm	1		●				
4	298.401	1499 298 002	Washers Kit Th. 3,90mm	1		●				
4	298.402	1499 298 001	Washers Kit Th. 3,80mm	1		●				
6	130.305	0750 118 131	Bearing 80x150x27,50	1		●				
7	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
8	145.406	1297 302 176	Constant Gear 28 T	1	C	●				
8	145.407	1297 302 241	Constant Gear 26 T	1	E	●				
9	109.072	1295 304 278	Synchronizer Cone	1		●				
10	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
10	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
11	102.236	1297 202 009	Input Shaft	1	L=126 H=32	●				
11	102.540	1297 202 054	Input Shaft	1		●				
11	102.541	1297 202 003	Input Shaft	1		●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.037	0732 040 385	Outer Spring De.6x34	3		●				
14	156.036	0732 040 386	Inner Spring De.3x34	3		●				
15	160.116	1240 304 278	Pressure Piece	3		●				
16	188.211	0730 062 323	Oil Plug	1		●				
17	154.097	1295 304 002	Sliding Sleeve	1		●				
18	109.072	1295 304 278	Synchronizer Cone	1		●				
27	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
28	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
29	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●				
30	146.318	1297 304 260	Gear 4th Speed 30 T	1	C	●				
30	146.294	1297 304 413	Gear 4th Speed 29 T	1	E	●				
31	109.114	1297 304 369	Synchronizer Cone	2		●				
32	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●				
32	119.167	1297 304 484	Synchronizer Ring	2	New Type	●				
33	157.140	1297 304 446	Synchronizer Hub	1		●				
34	160.189	1297 304 436	Pressure Piece	3	2x3 pcs.	●				
35	156.140	0732 040 409	Spring De.6,5x23,50	3	2x3 pcs.	●				
36	154.135	1310 304 202	Sliding Sleeve	1		●				
37	145.450	1297 304 261	Gear 3rd Speed 34 T	1	C	●				
37	145.377	1297 304 414	Gear 3rd Speed 34 T	1	E	●				
38	137.112	0735 320 451	Needle Cage 82x90x60	1		●				
39	103.132	1297 304 181	Main Shaft	1	C	●				
39	103.098	1297 304 193	Main Shaft	1	E	●				
40	137.109	0735 320 452	Needle Cage 82x90x55	1		●				
41	145.375	1297 304 442	Gear 2nd Speed 38 T	1		●				

 ECOSPLIT II
16S190/1

Date

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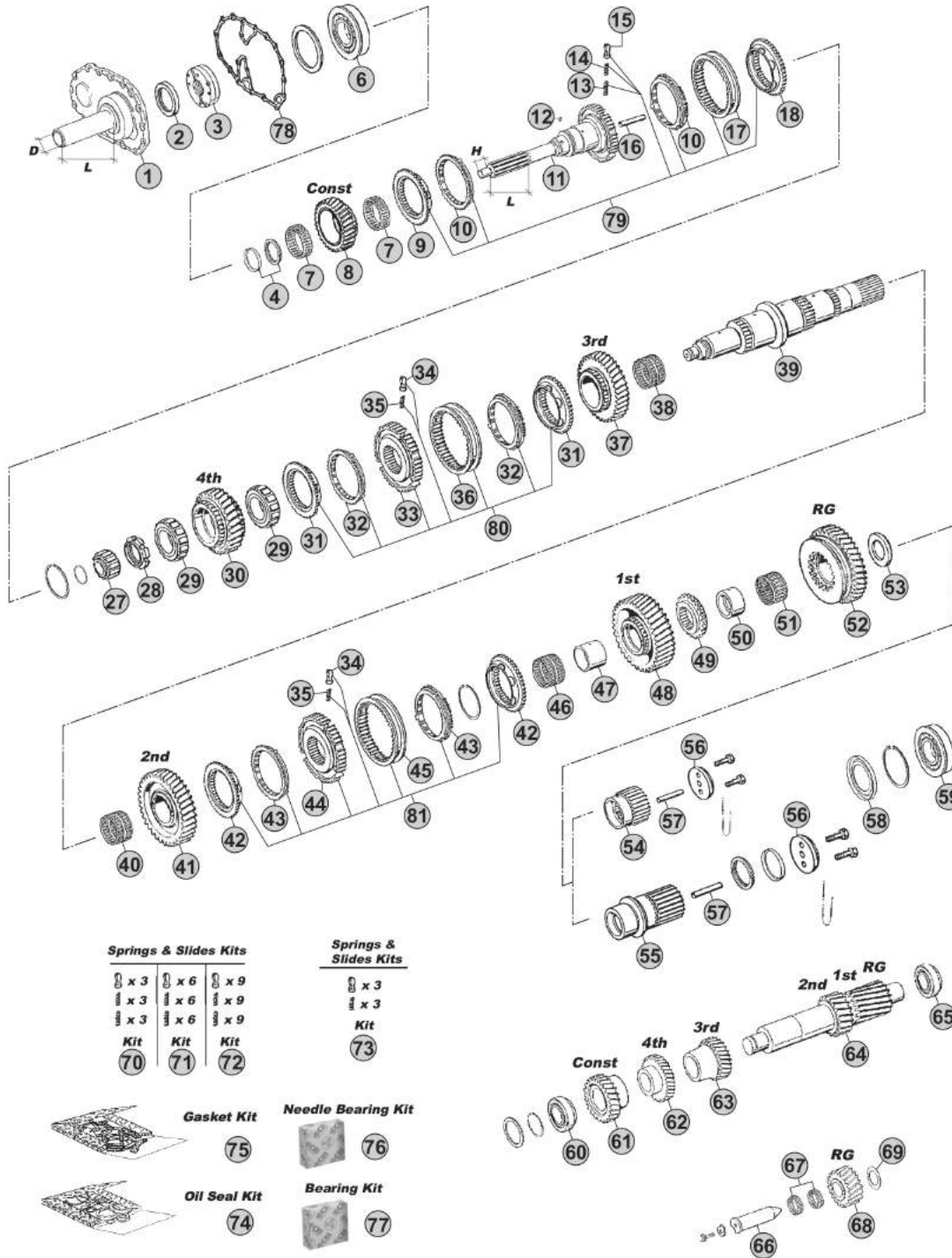
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/1 (1297 xxx xxx)



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Notes

(C) R. 13,68-1,00

(E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/1				
42	109.113	1297 304 371	Synchronizer cone	2		●				
43	119.122	1297 304 401	Synchronizer Ring	2	Old Type	●				
43	119.166	1297 304 485	Synchronizer Ring	2	New Type	●				
44	157.139	1297 304 445	Synchronizer Hub	1		●				
45	154.136	1297 304 450	Sliding Sleeve	1		●				
46	137.110	0735 320 487	Needle Cage 82x90x68	1		●				
47	117.246	1297 304 035	Bush	1		●				
48	145.376	1297 304 441	Gear 1st Speed 47 T	1		●				
49	109.178	1297 304 154	Synchronizer Cone	1		●				
50	117.318	1297 304 034	Bush	1	C	●				
51	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
52	147.140	1297 304 148	Reverse Gear 38 T	1		●				
53	169.757	1297 304 381	Thrust Washer	1	C	●				
54	157.177	1297 304 187	Sun Gear 27 T	1	C	●				
55	157.198	1297 304 439	Sun Gear 24 T	1	E	●				
56	188.076	1272 304 021	Stop Washer	1		●				
57	189.671	0730 061 842	Oil Tube	1		●				
58	139.923	1297 301 004	Oil Collector	1		●				
59	130.702	0750 118 006	Bearing 65x140x33	1	C	●				
59	130.703	0750 118 471	Bearing 80x140x33	1	E	●				
60	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
61	146.322	1297 303 066	Constant Gear 34 T	1	C	●				
61	146.321	1297 303 086	Constant Gear 35 T	1	E	●				
62	146.381	1297 303 065	Gear 4th Speed 31 T	1	C	●				
62	146.416	1297 303 123	Gear 4th Speed 32 T	1	E	●				
63	146.421	1297 303 067	Gear 3rd Speed 25 T	1	C	●				
63	146.422	1297 303 132	Gear 3rd Speed 26 T	1	E	●				
64	105.093	1297 303 140	Countershaft 17/20 T	1		●				
65	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
66	107.108	1295 305 056	Reverse Gear Pin	1		●				
67	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
68	147.094	1295 305 052	Reverse Gear 24 T	1		●				
69	169.234	0730 150 064	Thrust Washer	1		●				
70	198.339	1268 298 938	Spring Slide kit	1		●				
71	198.564		Spring Slide kit	1		●				
72	198.842	1295 298 933	Spring Slide kit	1		●				
73	198.843		Spring Slide kit	1		●				
74	198.428	1295 298 960	Oil Seal Ring Kit	1		●				
75	198.427	1295 298 915	Gasket Kit	1		●				
76	298.425	1295 298 947	Needle Cages Kit	1		●				
77	298.426	1295 298 943	Bearing kit	1		●				
78	139.686	1313 302 014	Gasket	1		●				
79	198.724	1295 298 936	Synchro Kit	1	W/"Old Type" synchro rings	●				

 ECOSPLIT-II
16S190/1

Date

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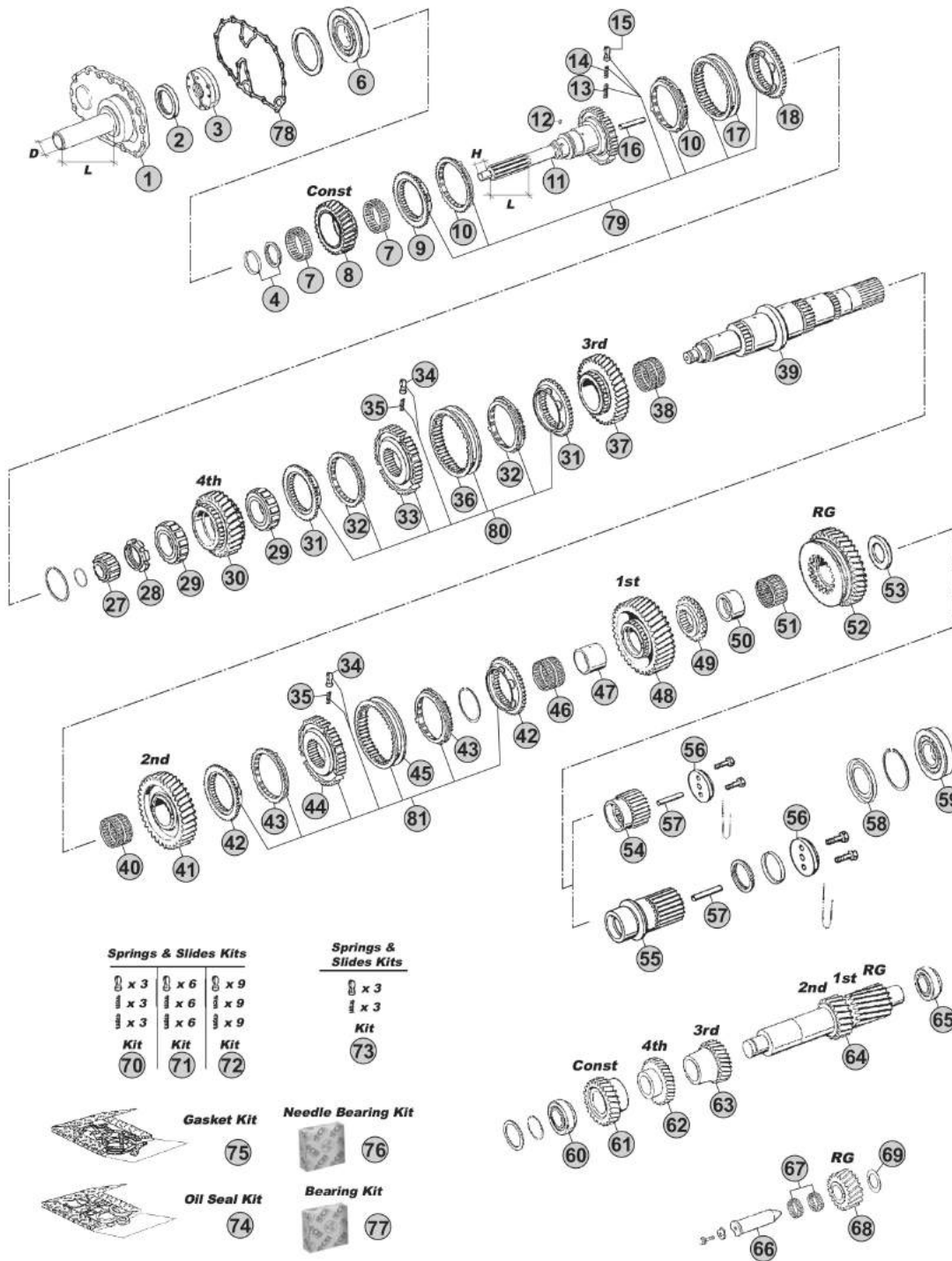
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/1 (1297 xxx xxx)



Notes

(C) R. 13,68-1,00

(E) R. 17,06-1,00

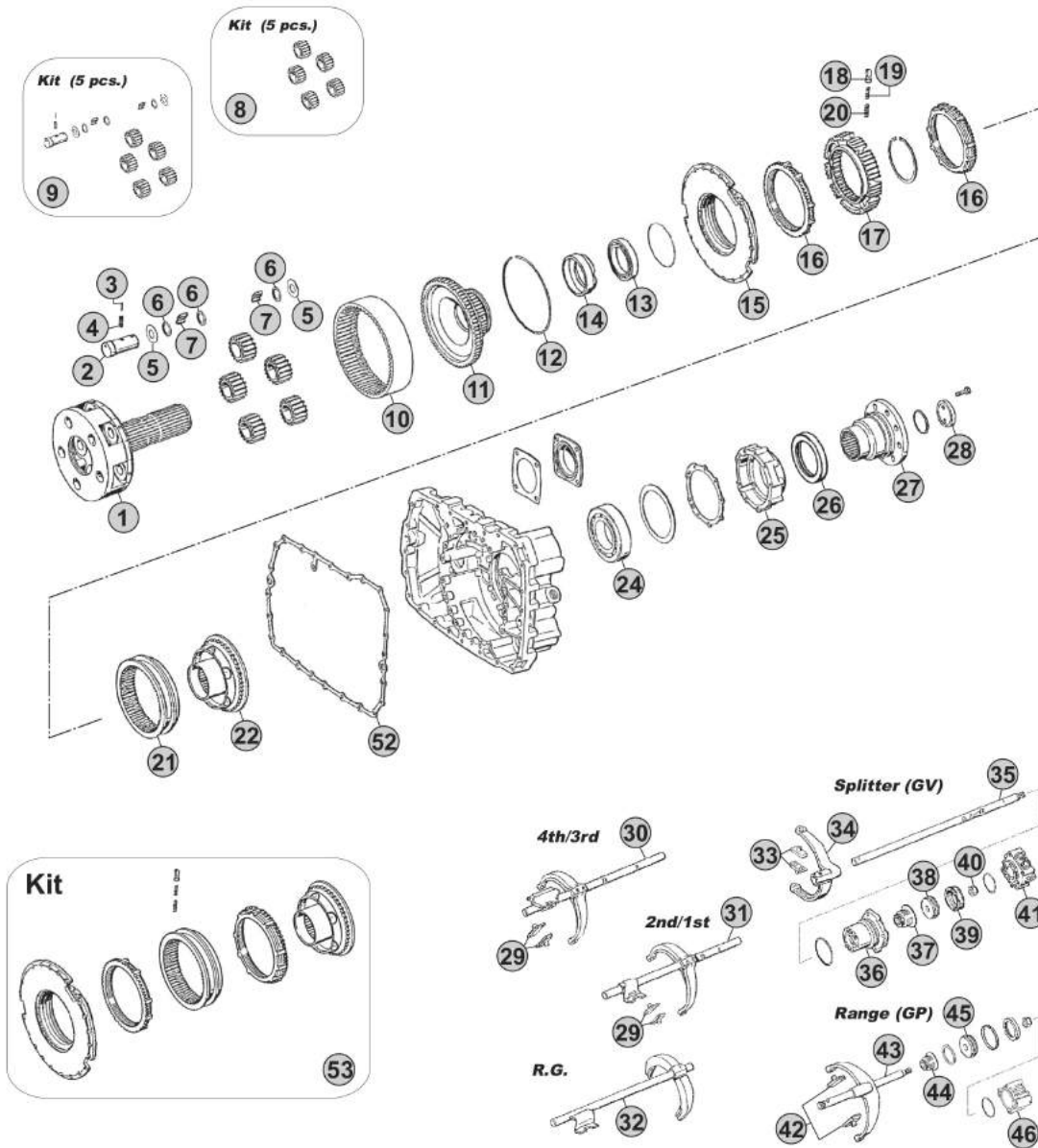
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MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/1 (1297 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit	Kit	Kit
47	48	49

Needle Bearing Kit



Gasket Kit



Oil Seal Kit



Notes

(C) R. 13,68-1,00

(E) R. 17,06-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	165190/1				
1	190.396	1297 232 039	Planetary Carrier	1	C	●				
1	190.395	1297 232 045	Planetary Carrier	1	E	●				
1	190.556	1316 232 005	Planetary Carrier	1	(10) E	●				
2	107.163	1297 332 109	Planet pin	5		●				
2	107.165	1312 332 026	Planetary Pin	5	(10)	●				
3	160.191	0631 329 017	Lock Pin 3x24	5		●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(10)	●				
4	160.192	0631 329 050	Lock Pin 5x24	5		●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(10)	●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●				
5	169.759	0501 308 981	Thrust Washer	10	(10)	●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●				
6	169.744	0730 107 168	Spacer Ring	15	(10)	●				
7	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140	(10)	●				
8	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	C	●				
8	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1	E	●				
8	198.801	1312 232 014	Planetary Gear Set (5 pcs)	1	(10) E	●				
9	198.704	1297 298 912	Planetary Gear Set (5 pcs)	1	C	●				
9	298.807	1297 298 919	Planetary Gear Set	1	E	●				
10	123.217	1297 332 080	Crown Gear 83 T	1	C	●				
10	123.208	1295 332 086	Crown Gear 86 T	1	E	●				
11	150.138	1297 332 017	Carrier Hub 83 T	1	C	●				
11	150.137	1297 332 035	Carrier Hub 86 T	1	E	●				
11	150.134	1297 332 120	Carrier Hub 86 T	1	(10) E	●				
12	111.129	0730 505 055	Locking Wire	1	C	●				
12	111.198	0730 505 056	Locking Wire	1	E	●				
13	130.310	0750 116 165	Bearing 80x110x16	1		●				
13	130.311	0635 338 035	Bearing 100x125x13	1	(10)	●				
14	119.255	1297 332 122	Intermediate Ring	1		●				
15	198.358	1296 233 006	Synchro 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	157.113	1296 333 002	Synchronizer Hub	1		●				
17	157.183	1297 333 115	Synchronizer Hub	1	(10)	●				
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		●				
22	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●				
22	198.790	1297 233 056	Synchronizer Cone (41 spl.)	1	(10)	●				
24	130.245	0750 116 394	Bearing 90x160x30	1		●				
25	128.260	1296 301 067	Cover	1		●				

 ECOSPLIT-II
16S190/1

Date

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Notes

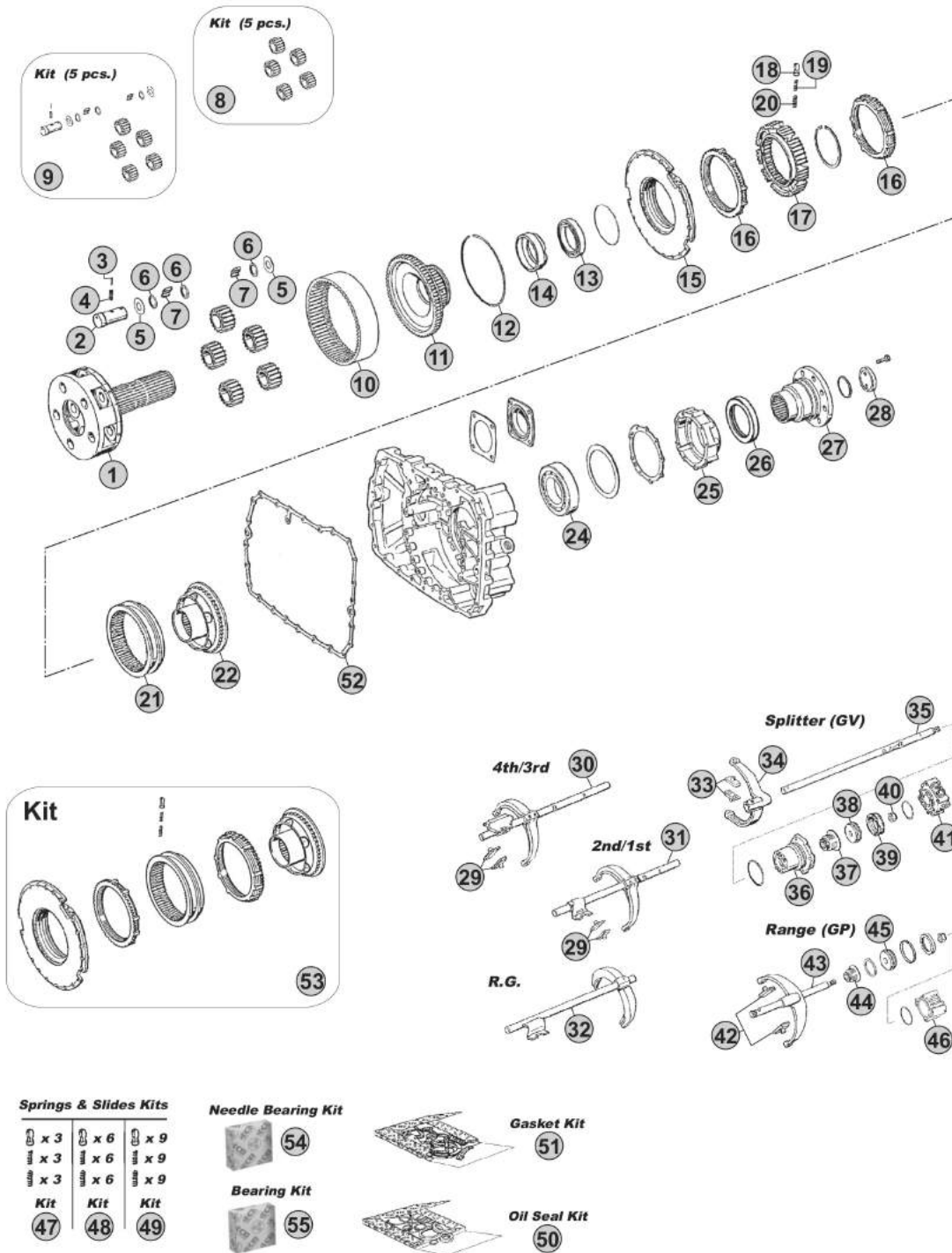
(10) New reinforce style. Use item marked (5) together

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/1 (1297 xxx xxx)



Notes

(C) R. 13,68-1,00

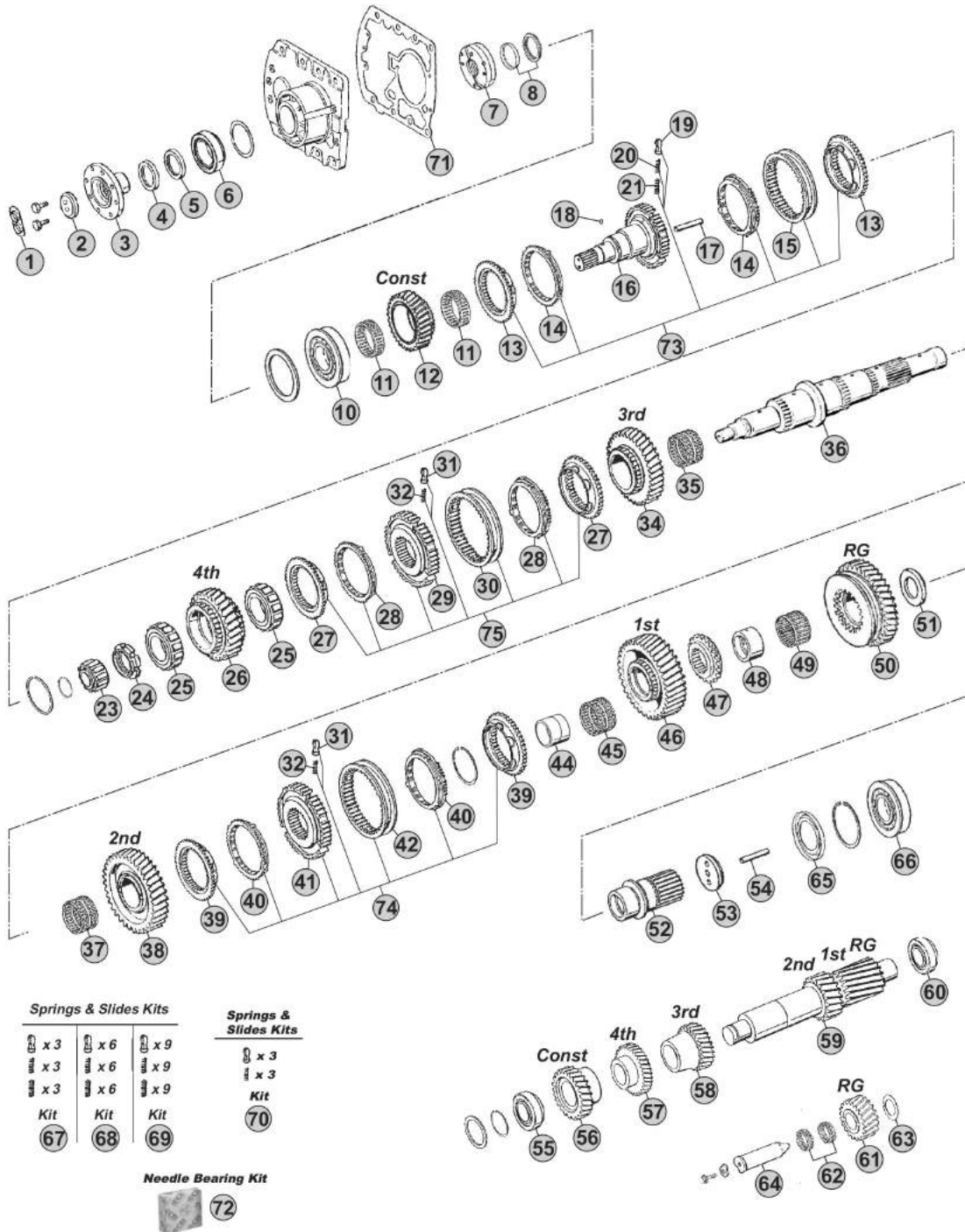
(E) R. 17,06-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



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Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1				
1	188.274	1269 302 164	Stop Washer	1		●				
2	188.078	1269 302 065	Stop Washer	1		●				
3	155.135	1286 304 026	Drive Flange	1		●				
4	139.973	0734 300 140	Oil Seal 70x90x10	1		●				
5	139.974	0634 310 648	Oil Seal 70x90x10	1		●				
6	130.432	0750 117 418	Bearing	1		●				
7	280.348	1295 202 041	Oil Pump	1		●				
8	298.408	1499 298 136	Shims Kit Th. 4,35mm	1		●				
8	298.409	1499 298 135	Shims Kit Th. 4,30mm	1		●				
8	298.410	1499 298 134	Shims Kit Th. 4,25mm	1		●				
8	298.411	1499 298 133	Shims Kit Th. 4,20mm	1		●				
8	298.412	1499 298 132	Shims Kit Th. 4,15mm	1		●				
8	298.413	1499 298 131	Shims Kit Th. 4,10mm	1		●				
8	298.419	1499 298 130	Shims Kit Th. 4,05mm	1		●				
8	298.420	1499 298 129	Shims Kit Th.4,00 mm	1		●				
8	298.421	1499 298 128	Shims Kit Th.3,95 mm	1		●				
8	298.422	1499 298 127	Shims Kit Th.3,90 mm	1		●				
8	298.423	1499 298 126	Shims Kit Th.3,85 mm	1		●				
8	298.424	1499 298 125	Shims Kit Th.3,80 mm	1		●				
10	130.306	0750 117 431	Bearing 75x150x30,50	1		●				
11	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
12	145.407	1297 302 241	Constant Gear 26 T	1		●				
13	109.072	1295 304 278	Synchronizer Cone	2		●				
14	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
14	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
15	154.097	1295 304 002	Sliding Sleeve	1		●				
16	102.237	1297 202 044	Input Shaft	1		●				
17	188.211	0730 062 323	Oil Plug	1		●				
18	171.084	0635 470 012	Needle D.7x7	1		●				
19	160.116	1240 304 278	Pressure Piece	3		●				
20	156.036	0732 040 386	Inner Spring De.3x34	3		●				
21	156.037	0732 040 385	Outer Spring De.6x34	3		●				
23	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
24	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
25	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●				
26	146.294	1297 304 413	Gear 4th Speed 29 T	1		●				
27	109.114	1297 304 369	Synchronizer Cone	2		●				
28	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●				
28	119.167	1297 304 484	Synchronizer Ring	2	New Type	●				
29	157.140	1297 304 446	Synchronizer Hub	1		●				
30	154.135	1310 304 202	Sliding Sleeve	1		●				
31	160.189	1297 304 436	Pressure Piece	3	2x3 pcs.	●				
32	156.140	0732 040 409	Spring De.6,5x23,50	3	2x3 pcs.	●				

ECOSPLIT I-II
16S190/A-1

Date

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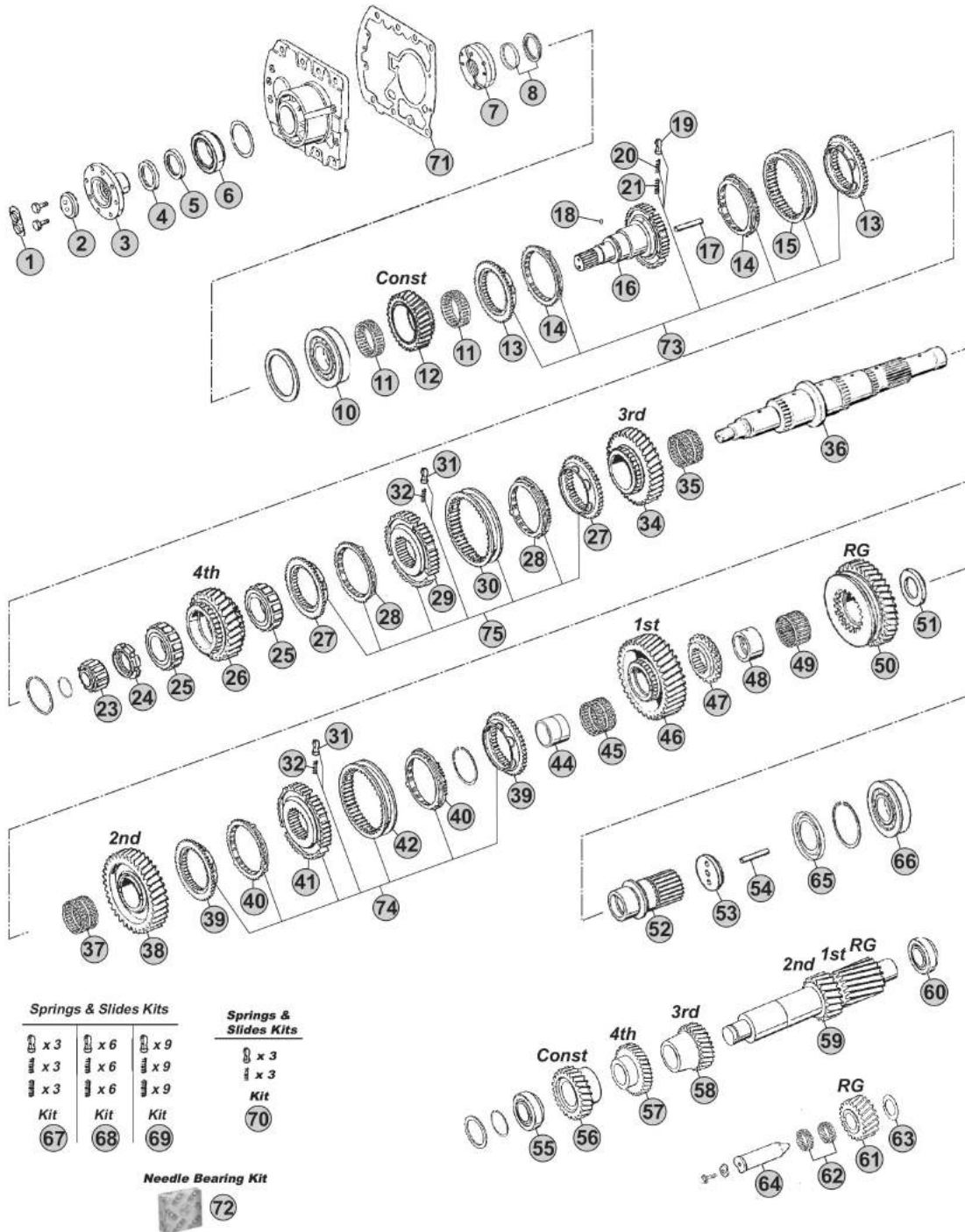
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



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Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1				
34	145.377	1297 304 414	Gear 3rd Speed 34 T	1		●				
35	137.112	0735 320 451	Needle Cage 82x90x60	1		●				
36	103.322	1297 304 221	Main Shaft	1		●				
37	137.109	0735 320 452	Needle Cage 82x90x55	1		●				
38	145.375	1297 304 442	Gear 2nd Speed 38 T	1		●				
39	109.113	1297 304 371	Synchronizer cone	2		●				
40	119.122	1297 304 401	Synchronizer Ring	2	Old Type	●				
40	119.166	1297 304 485	Synchronizer Ring	2	New Type	●				
41	157.139	1297 304 445	Synchronizer Hub	1		●				
42	154.136	1297 304 450	Sliding Sleeve	1		●				
44	117.246	1297 304 035	Bush	1		●				
45	137.110	0735 320 487	Needle Cage 82x90x68	1		●				
46	145.376	1297 304 441	Gear 1st Speed 47 T	1		●				
47	109.178	1297 304 154	Synchronizer Cone	1		●				
48	117.318	1297 304 034	Bush	1		●				
49	137.111	0735 320 486	Needle Cage 78x86x44	1		●				
50	147.140	1297 304 148	Reverse Gear 38 T	1		●				
51	169.757	1297 304 381	Thrust Washer	1		●				
52	157.241	1297 304 440	Sun Gear	1		●				
53	188.076	1272 304 021	Stop Washer	1		●				
54	189.671	0730 061 842	Oil Tube	1		●				
55	130.242	0750 117 010	Bearing 50,80x100x35	1		●				
56	146.321	1297 303 086	Constant Gear 35 T	1		●				
57	146.416	1297 303 123	Gear 4th Speed 32 T	1		●				
58	146.422	1297 303 132	Gear 3rd Speed 26 T	1		●				
59	105.093	1297 303 140	Countershaft 17/20 T	1		●				
60	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
61	147.094	1295 305 052	Reverse Gear 24 T	1		●				
62	137.007	0750 115 011	Needle Cage 45x53x21	2		●				
63	169.234	0730 150 064	Thrust Washer	1		●				
64	107.276	1297 305 008	Reverse Gear Pin	1		●				
65	139.923	1297 301 004	Oil Collector	1		●				
66	130.702	0750 118 006	Bearing 65x140x33	1		●				
67	198.339	1268 298 938	Spring Slide kit	1		●				
68	198.564		Spring Slide kit	1		●				
69	198.842	1295 298 933	Spring Slide kit	1		●				
70	198.843		Spring Slide kit	1		●				
71	239.004	1313 302 044	Gasket	1		●				
72	298.425	1295 298 947	Needle Cages Kit	1		●				
73	198.724	1295 298 936	Synchro Kit	1	W/"Old Type" synchro rings	●				
73	298.323	1297 298 962	Synchro Kit	1	W/"New Type" synchro rings	●				
74	298.321	1297 298 957	Synchro Kit	1	W/"Old Type" synchro rings	●				
75	298.802	1297 298 959	Synchro Kit	1	W/"New Type" synchro rings	●				

 ECOSPLIT I-II
16S190/A-1

Date

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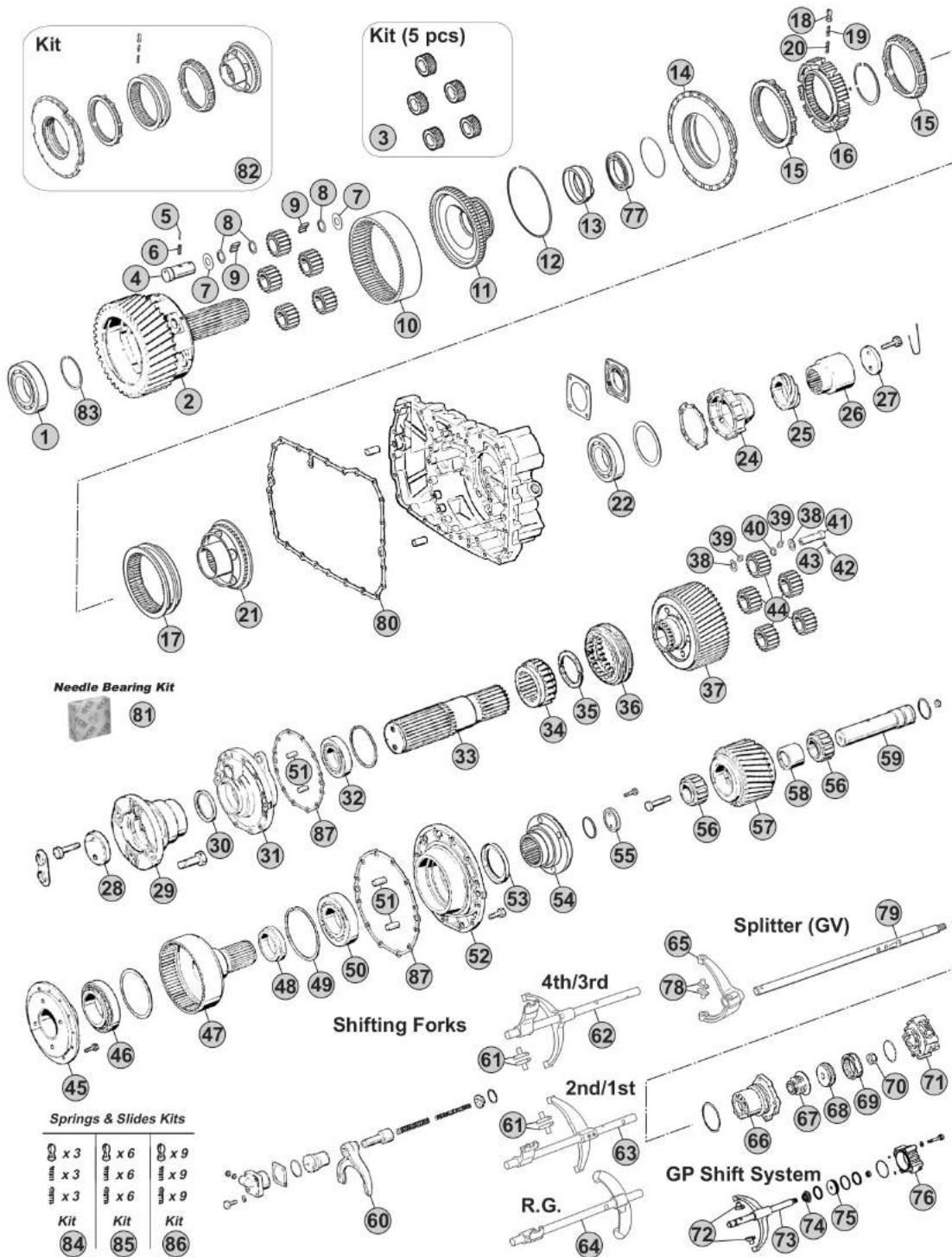
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



Springs & Slides Kits

Kit (84)	Kit (85)	Kit (86)
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9

Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1			
1	130.433	0735 410 110	Bearing 110x200x38	1		●			
2	190.557	1297 232 058	Planetary Carrier	1		●			
3	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1		●			
4	107.163	1297 332 109	Planet pin	5		●			
5	160.191	0631 329 017	Lock Pin 3x24	5		●			
6	160.192	0631 329 050	Lock Pin 5x24	5		●			
7	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●			
8	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●			
9	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●			
10	123.208	1295 332 086	Crown Gear 86 T	1		●			
11	150.137	1297 332 035	Carrier Hub 86 T	1		●			
12	111.198	0730 505 056	Locking Wire	1		●			
13	119.255	1297 332 122	Intermediate Ring	1		●			
14	198.358	1296 233 006	Synchro Cone	1		●			
15	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
15	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
16	157.113	1296 333 002	Synchronizer Hub	1		●			
17	154.098	1296 333 023	Sliding Sleeve	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	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●			
22	130.245	0750 116 394	Bearing 90x160x30	1		●			
24	128.352	1297 301 023	Cover	1		●			
25	126.029	1297 338 001	Speedometer gear	1		●			
26	117.506	1297 332 039	Bush	1		●			
27	188.077	1295 332 051	Stop Washer	1		●			
28	188.077	1295 332 051	Stop Washer	1		●			
29	197.162	1297 338 010	Output Flange D.180 mm	1		●			
30	139.975	0750 111 107	Oil Seal	1		●			
31	128.341	1297 339 030	Rear Cover	1		●			
32	130.245	0750 116 394	Bearing 90x160x30	1		●			
33	103.315	1297 339 028	Output Shaft	1		●			
34	155.328	1297 339 024	Fixed Hub	1		●			
35	269.814	1297 339 005	Shim	1		●			
36	154.514	1297 339 035	Sliding Sleeve	1		●			
37	190.558	1312 237 002	Planetary Carrier	1		●			
38	269.671	0730 002 088	Washer	10		●			
39	171.088	0635 490 013	Needle 3,5x17,8	300		●			
40	269.672	0730 104 292	Ring	5		●			
41	107.222	1297 337 009	Planetary pin	5		●			
42	160.315	0631 329 014	Lock Pin	5		●			
43	160.316	0631 329 046	Lock pin	5		●			

ECOSPLIT II
16S190/A-1

Date

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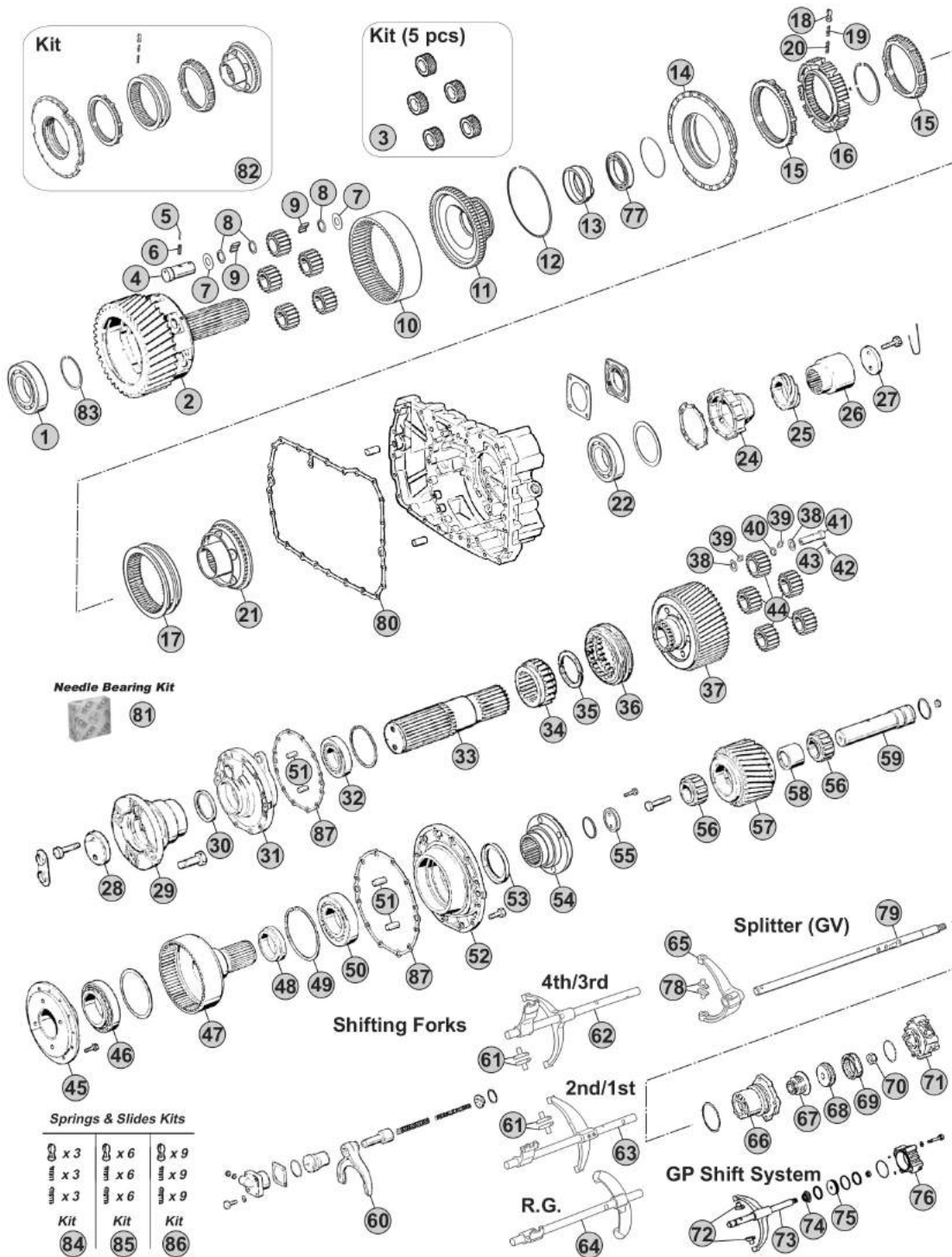
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



Springs & Slides Kits

Kit (84)	Kit (85)	Kit (86)
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9

Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1			
44	298.156	1297 237 005	Planetary Gear Set	1		●			
45	128.342	1297 337 017	Rear Cover	1		●			
46	130.434	0635 370 030	Bearing	1		●			
47	103.314	1297 338 048	Output Shaft	1		●			
48	269.818	1297 338 019	Thrust Ring	1		●			
49	111.441	0630 502 054	Retainer Ring	1		●			
50	130.245	0750 116 394	Bearing 90x160x30	1		●			
51	160.313	0631 306 776	Pin	2	2x2 pcs.	●			
52	128.343	1297 338 083	Cover	1		●			
53	139.975	0750 111 107	Oil Seal	1		●			
54	197.167	1297 338 041	Output Flange D.180 mm	1		●			
55	188.077	1295 332 051	Stop Washer	1		●			
56	137.016	0750 118 016	Needle Cage 55x106,5x43	2		●			
57	244.207	1312 336 001	Gear Low Speed	1		●			
58	117.505	1297 336 008	Bush	1		●			
59	160.317	1297 336 010	Pin	1		●			
60		1297 339 021	Fork	1		●			
61	141.163	1297 306 120	Slide	2	2x2 pcs.	●			
62		1297 206 110	Complete Fork	1		●			
63		1297 206 109	Complete Fork	1		●			
64	298.824	1297 206 174	Complete Fork	1		●			
65	141.086	1313 312 002	Shift Yoke	1		●			
66	132.046	1296 312 042	Cylinder	1		●			
67	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
68	189.421	1296 312 053	Piston	1		●			
69	139.912	0750 112 089	Ring 53x63x16,2	1		●			
70	287.091	0737 300 037	Nut	1		●			
71	132.085	0750 132 033	Cylinder	1		●			
72	141.085	1296 334 004	Bronze Slide	2		●			
73	149.279	1297 234 021	Selector Rod	1		●			
74	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
75	188.278	1297 334 056	Piston	1		●			
76	132.036	1297 334 055	Cylinder	1		●			
77	130.310	0750 116 165	Bearing 80x110x16	1		●			
78	141.068	1295 306 132	Bronze Slide	2		●			
79	149.274	1297 312 011	Gear Shift Rail	1		●			
80	239.005	0501 311 961	Gasket	1		●			
81	298.425	1295 298 947	Needle Cages Kit	1		●			
82	198.748	1295 298 939	Synchronizer kit	1	W/"Old Type" synchro rings	●			
83	111.440	0630 501 058	Retainer Ring	1		●			
84	198.339	1268 298 938	Spring Slide kit	1		●			
85	198.564		Spring Slide kit	1		●			
86	198.842	1295 298 933	Spring Slide kit	1		●			

ECOSPLIT I-II
16S190/A-1

Date

09/2014

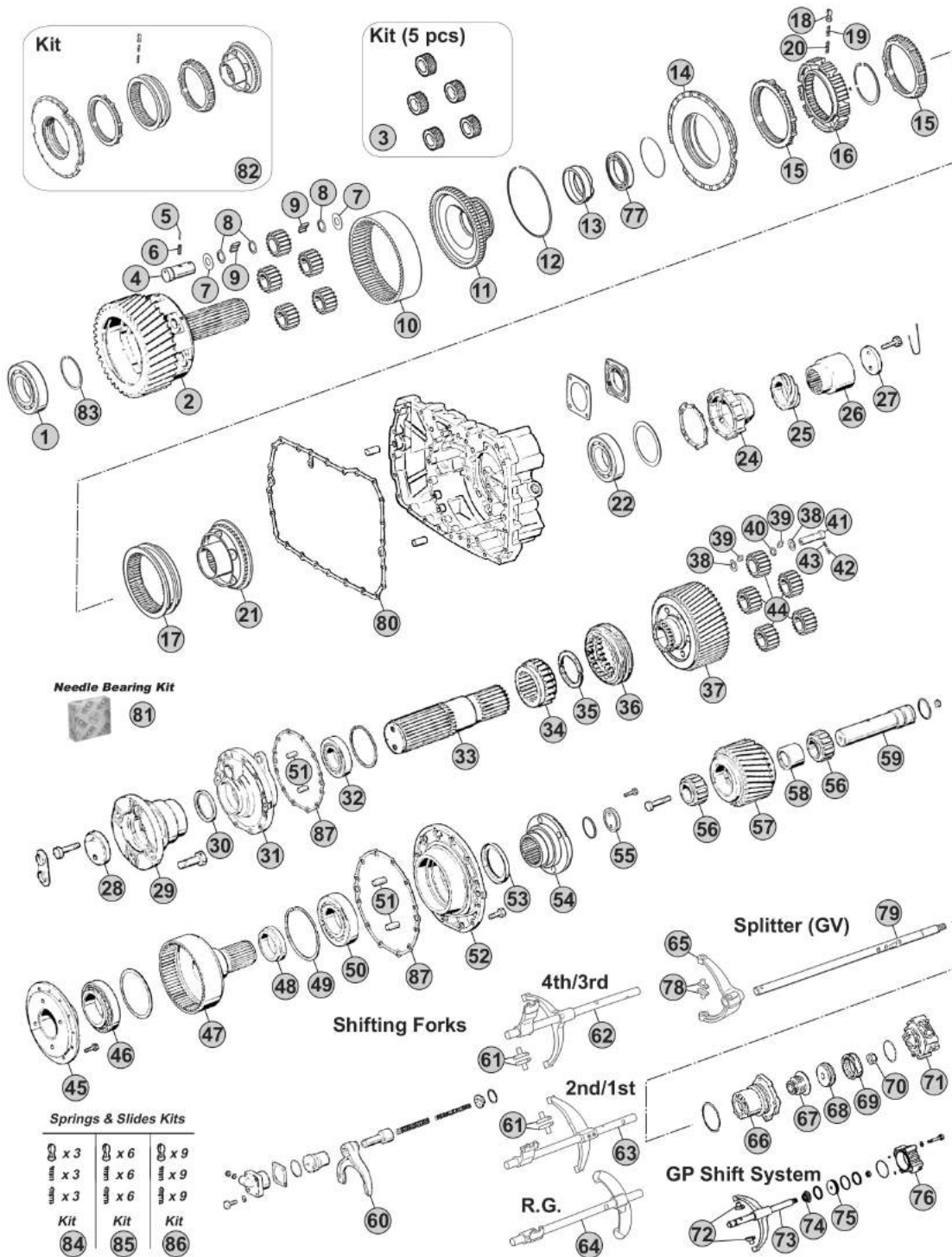
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



Springs & Slides Kits

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit (84)	Kit (85)	Kit (86)

Notes

16S190/A-1 R. 17,47-1,02

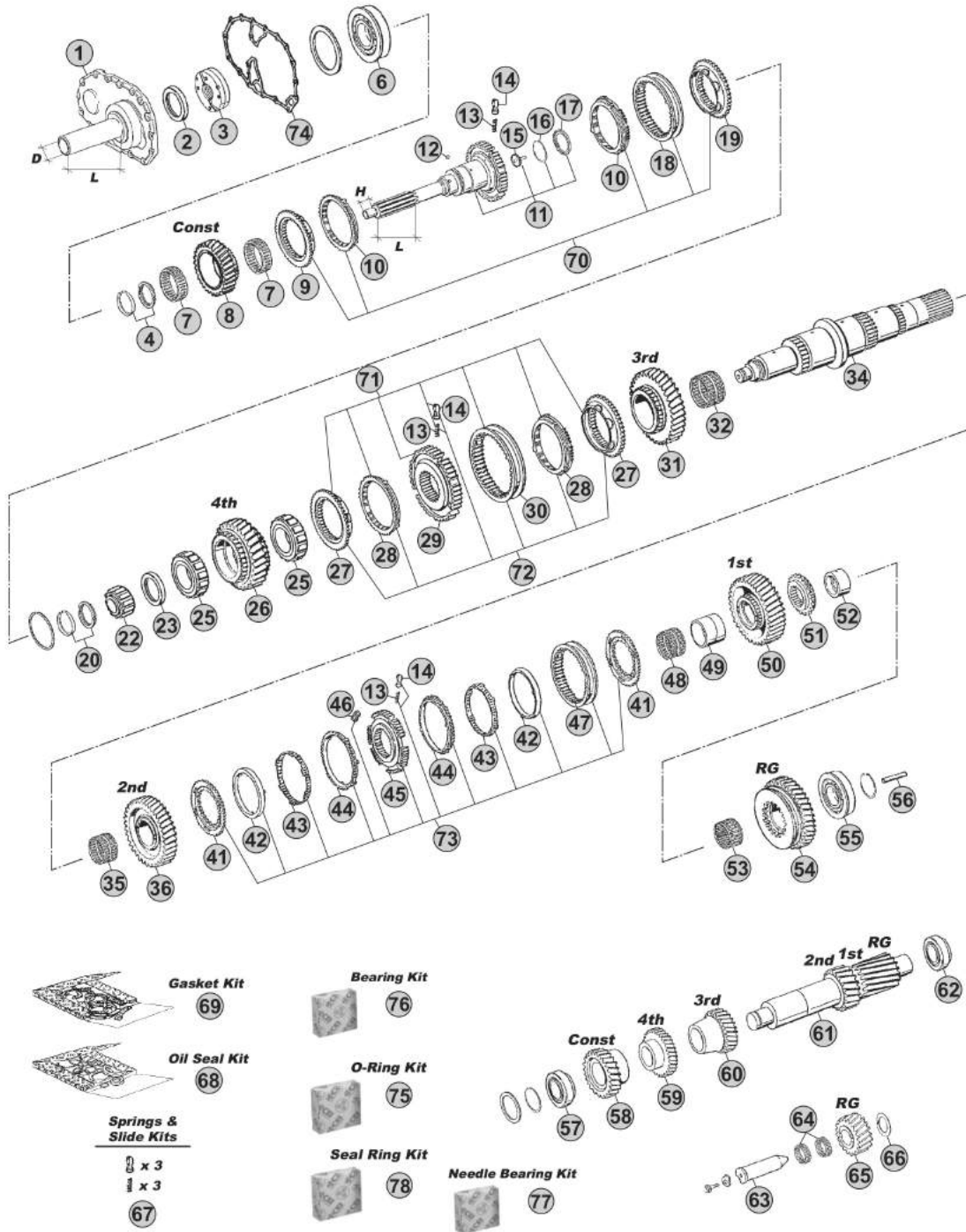
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MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220 (1312 xxx xxx)



Notes

- (A) R. 10,14-0,72
- (B) R. 13,80-0,84
- (C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S220				
1	128.353	1312 302 047	Front Cover	1	L=170 - D=60	●				
1	128.354	1312 302 044	Front Cover	1	L=190 - D=62,611	●				
1	128.346	1312 302 036	Front Cover	1		●				
1	128.347	1312 302 096	Front Cover	1		●				
2	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
3	280.348	1295 202 041	Oil Pump	1		●				
4	298.408	1499 298 136	Shims Kit Th. 4,35mm	1		●				
4	298.409	1499 298 135	Shims Kit Th. 4,30mm	1		●				
4	298.410	1499 298 134	Shims Kit Th. 4,25mm	1		●				
4	298.411	1499 298 133	Shims Kit Th. 4,20mm	1		●				
4	298.412	1499 298 132	Shims Kit Th. 4,15mm	1		●				
4	298.413	1499 298 131	Shims Kit Th. 4,10mm	1		●				
4	298.419	1499 298 130	Shims Kit Th. 4,05mm	1		●				
4	298.420	1499 298 129	Shims Kit Th.4,00 mm	1		●				
4	298.421	1499 298 128	Shims Kit Th.3,95 mm	1		●				
4	298.422	1499 298 127	Shims Kit Th.3,90 mm	1		●				
4	298.423	1499 298 126	Shims Kit Th.3,85 mm	1		●				
4	298.424	1499 298 125	Shims Kit Th.3,80 mm	1		●				
6	130.306	0750 117 431	Bearing 75x150x30,50	1		●				
7	137.134	0735 320 950	Needle Cage 93x101x32,50	2		●				
8	244.353	1312 302 077	Constant Gear 28 T	1	A	●				
8	145.491	1312 302 073	Constant Gear 34 T	1	B	●				
8	145.490	1312 302 074	Constant Gear 30 T	1	C	●				
9	109.134	1312 304 027	Synchronizer Cone	1		●				
10	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●				
10	119.167	1297 304 484	Synchronizer Ring	2	New Type	●				
11	102.244	1312 202 037	Input Shaft 57 T	1	L=125 H=32	●				
11	102.238	1312 202 038	Input Shaft	1	L=125 H=32	●				
11	102.243	1312 202 039	Input Shaft	1	L=115 H=32	●				
11	102.568	1312 202 036	Input Shaft	1		●				
11		1312 221 003	Input Shaft	1	NMV130 (Clutch PTO)	●				
12	171.084	0635 470 012	Needle D.7x7	1		●				
13	156.140	0732 040 409	Spring De.6,5x23,50	3	3x3 pcs.	●				
14	160.189	1297 304 436	Pressure Piece	3	3x3 pcs.	●				
15	189.630	1315 302 196	Tube	1		●				
16	189.631	0630 502 027	Ring	1		●				
17	189.632	0501 314 060	Diaphragm	1		●				
18	154.135	1310 304 202	Sliding Sleeve	1		●				
19	109.133	1312 304 056	Synchronizer Cone	1		●				
20	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				
20	298.393	1499 298 026	Shims Kit Th=4,90mm	1		●				
20	298.394	1499 298 025	Shims Kit Th=4,80mm	1		●				
20	298.395	1499 298 024	Shims Kit Th=4,70mm	1		●				

Date

09/2014

Notes

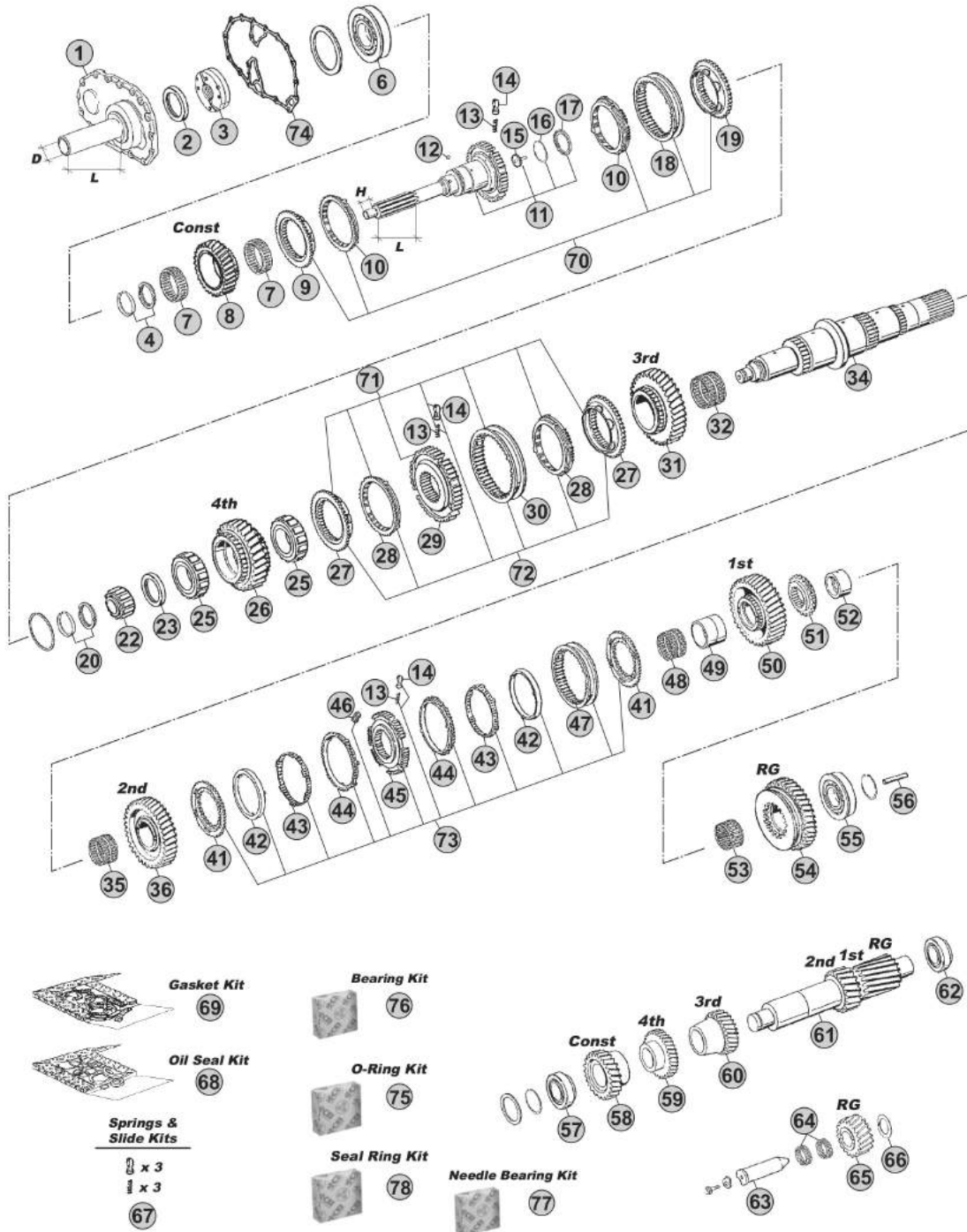
 ECOSPLIT I-II
16S220

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220 (1312 xxx xxx)



Notes

- (A) R. 10,14-0,72
- (B) R. 13,80-0,84
- (C) R. 16,47-1,00

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	16S220				
20	298.396	1499 298 023	Shims Kit Th=4,60mm	1		●				
22	137.150	0750 117 232	Roller Bearing 42x40,30	1		●				
23	111.445	1315 304 051	Ring	1	S.8,30 mm	●				
25	130.825	0750 118 258	Roller Cage 67x101x38	2		●				
26	244.349	1312 304 029	Gear 4th Speed 30 T	1	(13) A	●				
26	146.425	1312 304 032	Gear 4th Speed 30 T	1	B	●				
26	146.317	1312 304 031	Gear 4th Speed 34 T	1	C	●				
27	109.134	1312 304 027	Synchronizer Cone	2	(20)	●				
27	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
27	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
27	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
28	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●				
28	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
28	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
28	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
28	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
29	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
29	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
29	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
30	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
30	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
30	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
31	244.348	1312 304 075	Gear 3rd Speed 25 T	1	(13) A	●				
31	145.498	1312 304 137	Gear 3rd Speed 32 T	1	B	●				
31	145.497	1312 304 136	Gear 3rd Speed 34 T	1	C	●				
32	137.300	0735 321 451	Needle Cage 58x66x33	1	A	●				
32	137.138	0750 115 303	Needle Cage 92x100x63	1	BC	●				
34	103.323	1312 304 161	Main Shaft	1	A	●				
34	103.128	1316 304 130	Main Shaft 24 T	1	BC	●				
35	137.138	0750 115 303	Needle Cage 92x100x63	1		●				
36	244.352	1312 304 142	Gear 2nd Speed	1	A	●				
36	145.504	1312 304 141	Gear 2nd Speed 37 T	1	B	●				
36	145.503	1312 304 139	Gear 2nd Speed 38 T	1	C	●				
41	109.226	1312 304 092	Synchronizer Cone	2	A	●				
41	109.176	1312 304 106	Synchronizer Cone	2	BC	●				
42	119.152	1268 304 424	Intermediate Synchro Ring	2		●				
43	119.153	1268 304 494	Intermediate Synchro Ring	2		●				
44	119.144	1268 304 525	Synchronizer Ring	2		●				
45	157.181	1312 304 158	Synchronizer Hub	1		●				
46	156.176	1312 304 159	Slide	3		●				
47	154.190	1310 304 175	Sliding Sleeve	1		●				
48	137.413	0750 115 304	Needle Cage D.92x100x72	1	A	●				
48	137.151	0750 115 327	Needle Cage 96x104x72	1	BC	●				

Date

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Notes

(13) 16S220 special version - ratio 10,14 - 0,72. For this version to use: 4th speed - synchro cone 1312 304 027 / 3rd speed - synchro cone 1312 304 080

(20) Only for 3rd/4th Speed - First version - Do not mix

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

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

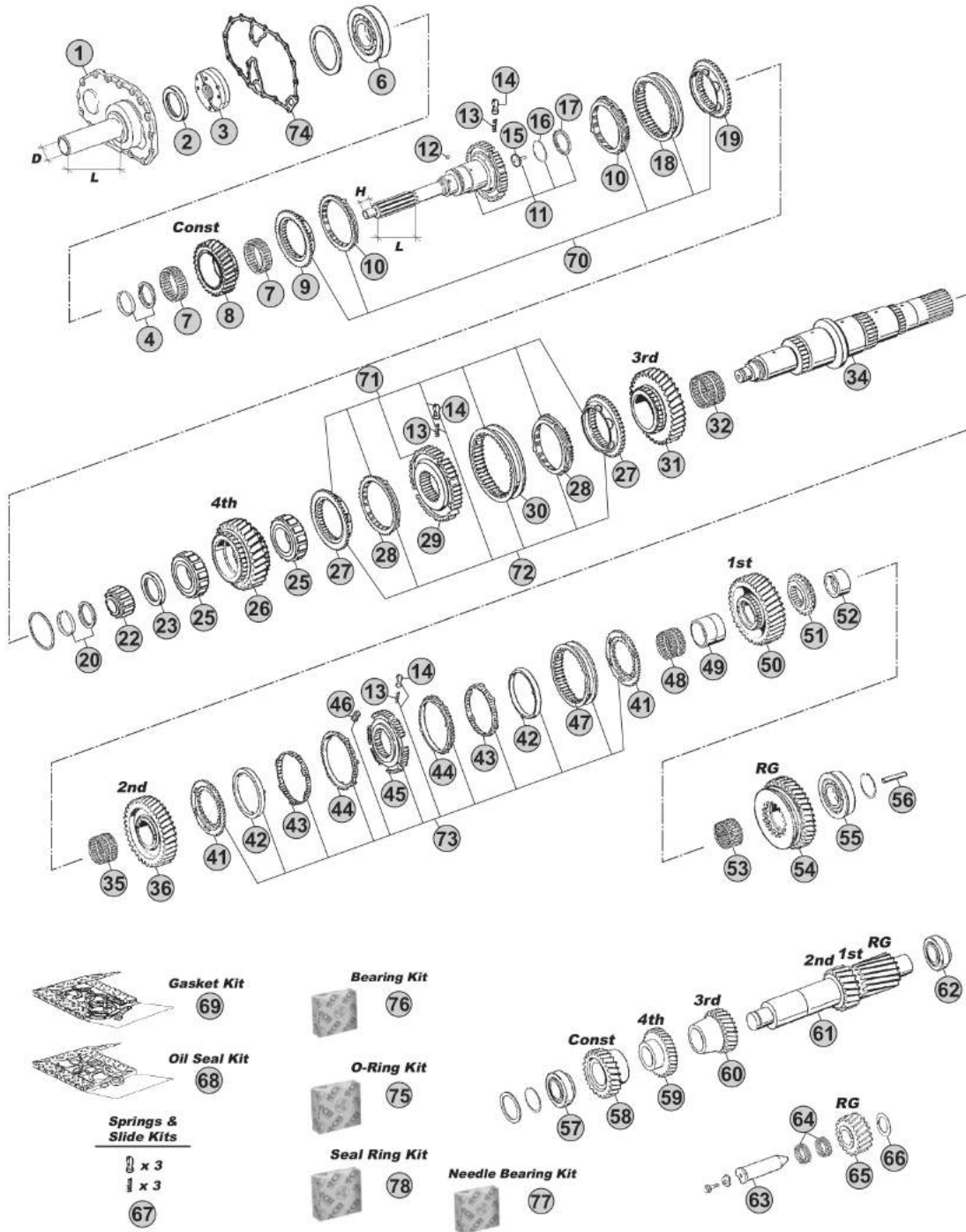
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220 (1312 xxx xxx)



Notes

- (A) R. 10,14-0,72
- (B) R. 13,80-0,84
- (C) R. 16,47-1,00

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	16S220				
49	117.516	1312 304 008	Bush	1	A	●				
49	117.310	1312 304 084	Bush 85x96x72	1	BC	●				
50	244.350	1312 304 077	Gear 1st Speed 34 T	1	A	●				
50	145.509	1312 304 086	Gear 1st Speed 44 T	1	B	●				
50	145.510	1312 304 085	Gear 1st Speed 47 T	1	C	●				
51	109.227	1312 304 037	Engaging Ring	1	A	●				
51	109.181	1312 304 083	Synchronizer cone	1	BC	●				
52	117.517	1312 304 011	Bush	1	A	●				
52	117.311	1316 304 133	Bush 80x90x50	1	BC	●				
53	137.412	0735 321 103	Roller Cage D.77x85x50	1	A	●				
53	137.140	0750 115 326	Roller Cage 90x98x50	1	BC	●				
54	244.351	1312 304 078	Reverse Gear 39 T	1	A	●				
54	147.141	1312 304 088	Reverse Gear 39 T	1	B	●				
54	147.139	1312 304 087	Reverse Gear 38 T	1	C	●				
55	130.454	0750 117 233	Bearing D.65x140x36,5	1	A	●				
55	130.304	0750 117 678	Bearing 80x140x36,50	1	BC	●				
56	188.209	1312 304 150	Oil Tube	1		●				
57	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
58	146.868	1312 303 003	Constant Gear 34 T	1	A	●				
58	146.411	1312 303 006	Constant Gear 37 T	1	B	●				
58	146.412	1312 303 005	Constant Gear 39 T	1	C	●				
59	146.869	1312 303 014	Gear 4th Speed 31 T	1	A	●				
59	146.417	1312 303 017	Gear 4th Speed 39 T	1	B	●				
59	146.418	1312 303 016	Gear 4th Speed 37 T	1	C	●				
60	146.870	1312 303 036	Gear 3rd Speed 36 T	1	A	●				
60	146.423	1312 303 020	Gear 3rd Speed 28 T	1	B	●				
60	146.424	1312 303 021	Gear 3rd Speed 26 T	1	C	●				
61	105.312	1312 303 037	Countershaft 20-24 T	1	A	●				
61	105.107	1312 303 009	Countershaft 19/23 T	1	B	●				
61	105.108	1312 303 008	Countershaft 17/20 T	1	C	●				
61	105.313	1312 303 043	Countershaft	1	(14) B	●				
61	105.314	1312 303 055	Countershaft	1	(15) C	●				
62	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
63	107.108	1295 305 056	Reverse Gear Pin	1		●				
64	137.154	0750 115 255	Needle Cage 45x53x25	2		●				
65	147.324	1312 305 003	Reverse Gear 21 T	1	A	●				
65	147.135	1297 305 012	Reverse Gear 21 T	1	B	●				
65	147.134	1297 305 011	Reverse Gear 24 T	1	C	●				
66	169.234	0730 150 064	Thrust Washer	1		●				
67	198.843		Spring Slide kit	1		●				
68	298.881	1312 298 902	Oil Seal Kit	1		●				
69	198.427	1295 298 915	Gasket Kit	1		●				
70	298.319	1297 298 955	Synchro Kit	1		●				

Date

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Notes

(14) Special version "HD"

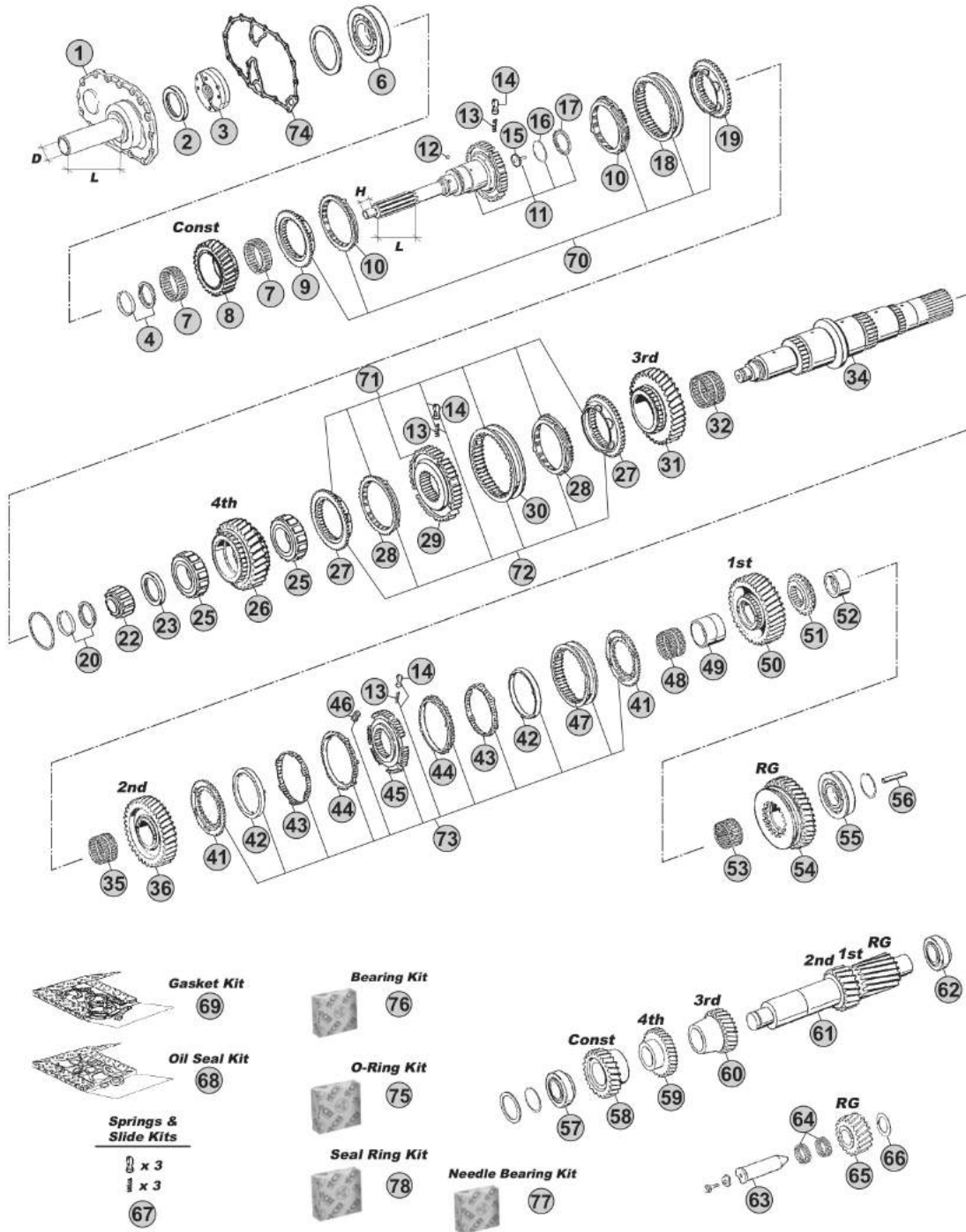
(15) Special version for Kamaz

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220 (1312 xxx xxx)



Notes

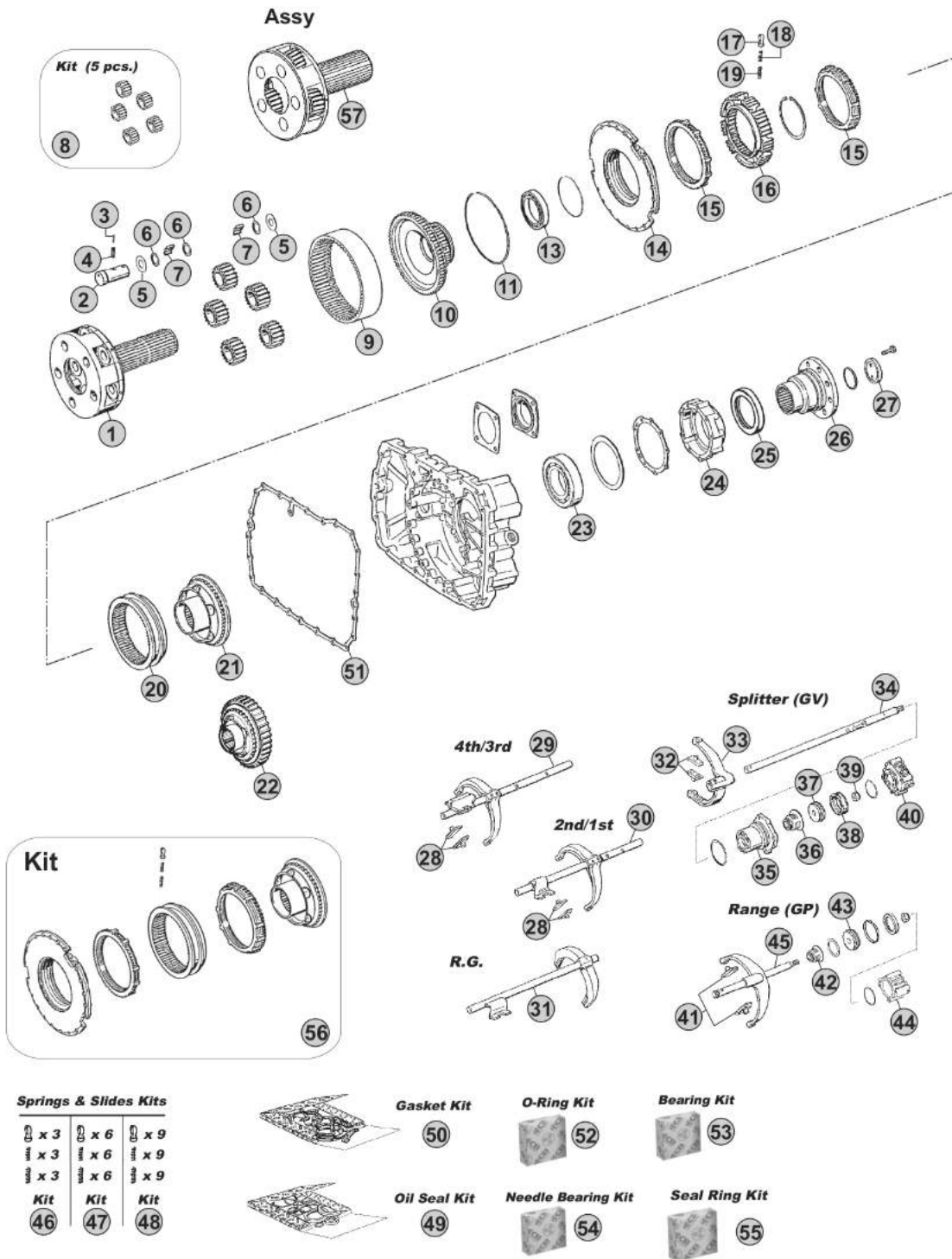
- (A) R. 10,14-0,72
- (B) R. 13,80-0,84
- (C) R. 16,47-1,00

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220 (1312 xxx xxx)



Notes

- (A) R. 10,14-0,72
- (B) R. 13,80-0,84
- (C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S220				
1	190.575	1312 232 016	Planetary Carrier	1	A	●				
1	190.392	1316 232 006	Planetary Carrier	1	BC	●				
2	107.163	1297 332 109	Planet pin	5	A	●				
2	107.165	1312 332 026	Planetary Pin	5	BC	●				
3	160.195	0631 329 167	Lock Pin 3x26	5		●				
4	160.194	0631 329 051	Lock Pin 5x26	5		●				
5	169.753	0501 306 212	Thrust Washer 29x64x1,5	10	A	●				
5	169.759	0501 308 981	Thrust Washer	10	BC	●				
6	169.410	0730 103 846	Spacer Ring 29x39x1,00	15	A	●				
6	169.744	0730 107 168	Spacer Ring	15	BC	●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	120	A	●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140	BC	●				
8	198.803	1297 232 023	Planetary Gear Set (5 pcs)	1	A	●				
8	198.801	1312 232 014	Planetary Gear Set (5 pcs)	1	BC	●				
9	123.217	1297 332 080	Crown Gear 83 T	1	A	●				
9	123.208	1295 332 086	Crown Gear 86 T	1	BC	●				
10	150.241	1297 332 108	Carrier hub 83 T	1	A	●				
10	150.134	1297 332 120	Carrier Hub 86 T	1	BC	●				
11	111.129	0730 505 055	Locking Wire	1	A	●				
11	111.198	0730 505 056	Locking Wire	1	BC	●				
13	130.311	0635 338 035	Bearing 100x125x13	1		●				
14	198.358	1296 233 006	Synchro Cone	1		●				
15	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●				
15	119.172	1296 333 045	Synchronizer Ring	2	New Type	●				
16	157.183	1297 333 115	Synchronizer Hub	1		●				
17	160.116	1240 304 278	Pressure Piece	9		●				
18	156.036	0732 040 386	Inner Spring De.3x34	9		●				
19	156.037	0732 040 385	Outer Spring De.6x34	9		●				
20	154.098	1296 333 023	Sliding Sleeve	1		●				
21	198.790	1297 233 056	Synchronizer Cone (41 spl.)	1		●				
22	109.215	1312 333 014	Synchronizer Cone (41 Spl.)	1	With Retarder	●				
23	130.245	0750 116 394	Bearing 90x160x30	1		●				
24	128.098	1315 301 220	Cover	1		●				
25	139.878	0750 111 341	Oil Seal 105x130x12	1		●				
26	197.254	1297 333 110	Output Flange D.180 mm	1	D.180-10 H.	●				
27	188.121	1312 332 028	Stop Washer	1		●				
28	141.163	1297 306 120	Slide	2	2x2 pcs.	●				
29		1312 206 025	Fork	1		●				
29		1312 206 026	Fork	1		●				
29		1312 206 045	Fork	1	(10)	●				
30		1312 206 013	Fork	1		●				
30		1312 206 017	Fork	1		●				
30		1312 206 043	Fork	1	(10)	●				

Date

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Notes

(10) Only pneumatic version

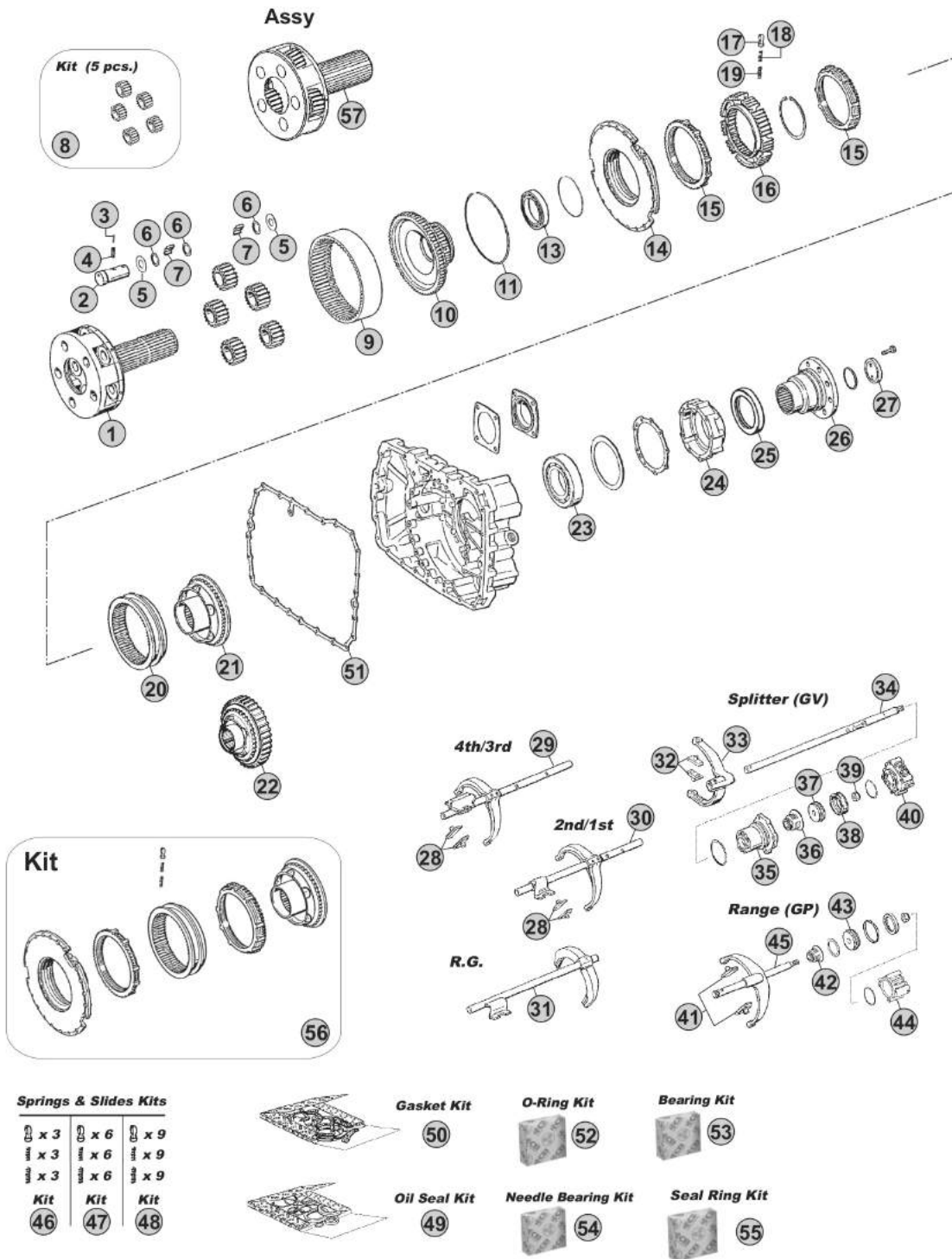
 ECOSPLIT I-II
16S220

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220 (1312 xxx xxx)



Notes

- (A) R. 10,14-0,72
- (B) R. 13,80-0,84
- (C) R. 16,47-1,00

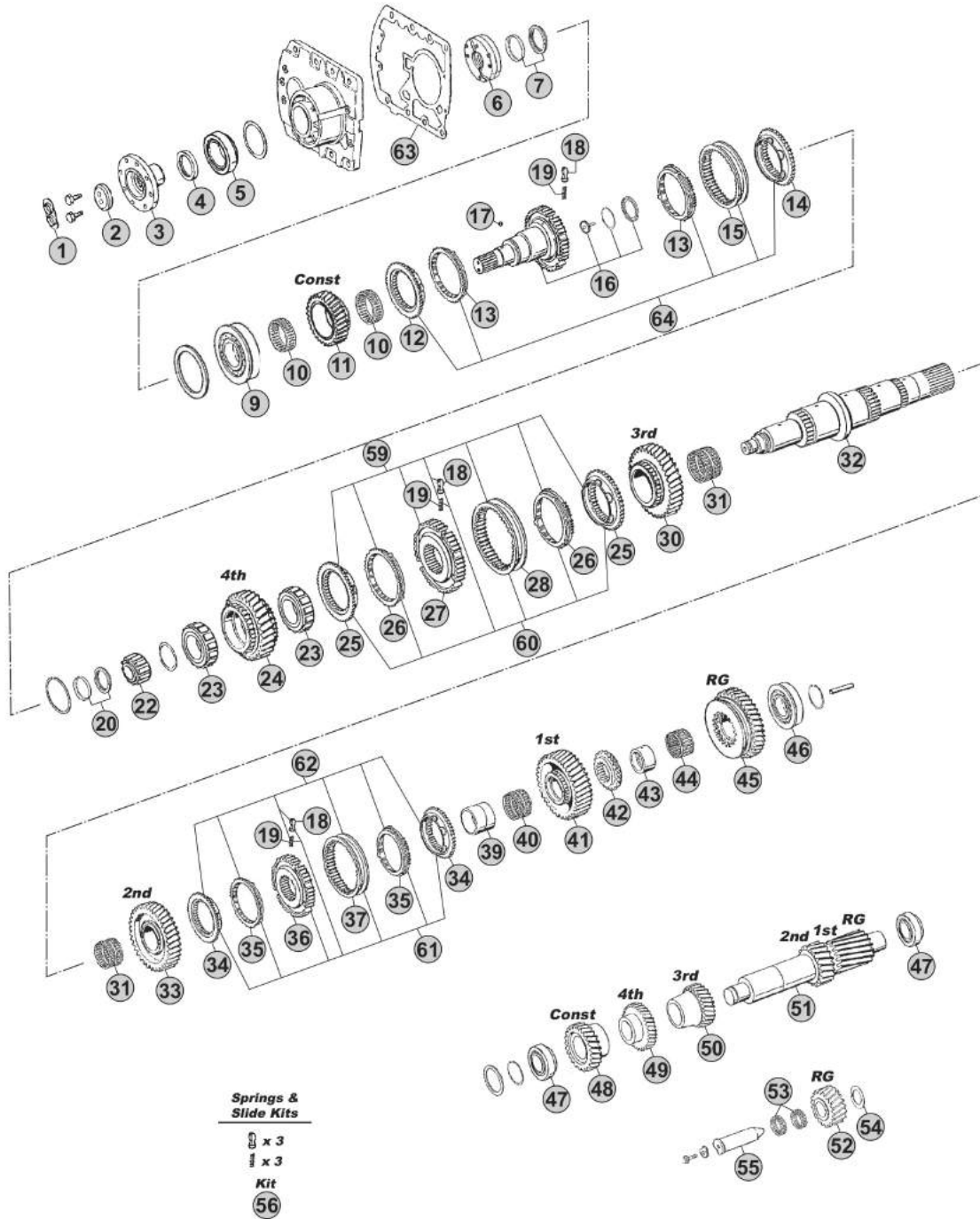
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MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220A (1312 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

(A) R. 14,14-0,86

(B) R. 16,87-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S220A			
1	188.274	1269 302 164	Stop Washer	1		●			
2	188.078	1269 302 065	Stop Washer	1		●			
3	155.329	1312 304 152	Input Flange	1		●			
4	139.675	0734 319 276	Oil Seal 75X105X14	1		●			
5	130.686	0750 117 312	Roller Bearing 50,8x104,7x30,1	1		●			
6	280.348	1295 202 041	Oil Pump	1		●			
7	298.408	1499 298 136	Shims Kit Th. 4,35mm	1		●			
7	298.409	1499 298 135	Shims Kit Th. 4,30mm	1		●			
7	298.410	1499 298 134	Shims Kit Th. 4,25mm	1		●			
7	298.411	1499 298 133	Shims Kit Th. 4,20mm	1		●			
7	298.412	1499 298 132	Shims Kit Th. 4,15mm	1		●			
7	298.413	1499 298 131	Shims Kit Th. 4,10mm	1		●			
7	298.419	1499 298 130	Shims Kit Th. 4,05mm	1		●			
7	298.420	1499 298 129	Shims Kit Th.4,00 mm	1		●			
7	298.421	1499 298 128	Shims Kit Th.3,95 mm	1		●			
7	298.422	1499 298 127	Shims Kit Th.3,90 mm	1		●			
7	298.423	1499 298 126	Shims Kit Th.3,85 mm	1		●			
7	298.424	1499 298 125	Shims Kit Th.3,80 mm	1		●			
9	130.306	0750 117 431	Bearing 75x150x30,50	1		●			
10	137.134	0735 320 950	Needle Cage 93x101x32,50	2		●			
11	145.491	1312 302 073	Constant Gear 34 T	1	A	●			
11	145.490	1312 302 074	Constant Gear 30 T	1	B	●			
12	109.134	1312 304 027	Synchronizer Cone	1		●			
13	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●			
13	119.167	1297 304 484	Synchronizer Ring	2	New Type	●			
14	109.133	1312 304 056	Synchronizer Cone	1		●			
15	154.135	1310 304 202	Sliding Sleeve	1		●			
16	190.559	1312 202 041	Input Shaft	1		●			
17	171.084	0635 470 012	Needle D.7x7	1		●			
18	160.189	1297 304 436	Pressure Piece	3	3x3 pcs.	●			
19	156.140	0732 040 409	Spring De.6,5x23,50	3	3x3 pcs.	●			
20	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●			
20	298.393	1499 298 026	Shims Kit Th=4,90mm	1		●			
20	298.394	1499 298 025	Shims Kit Th=4,80mm	1		●			
20	298.395	1499 298 024	Shims Kit Th=4,70mm	1		●			
20	298.396	1499 298 023	Shims Kit Th=4,60mm	1		●			
22	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
23	130.825	0750 118 258	Roller Cage 67x101x38	2		●			
24	146.425	1312 304 032	Gear 4th Speed 30 T	1	A	●			
24	146.317	1312 304 031	Gear 4th Speed 34 T	1	B	●			
25	109.134	1312 304 027	Synchronizer Cone	2	(20)	●			
25	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
25	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			

ECOSPLIT I-II
16S220A

Date

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Notes

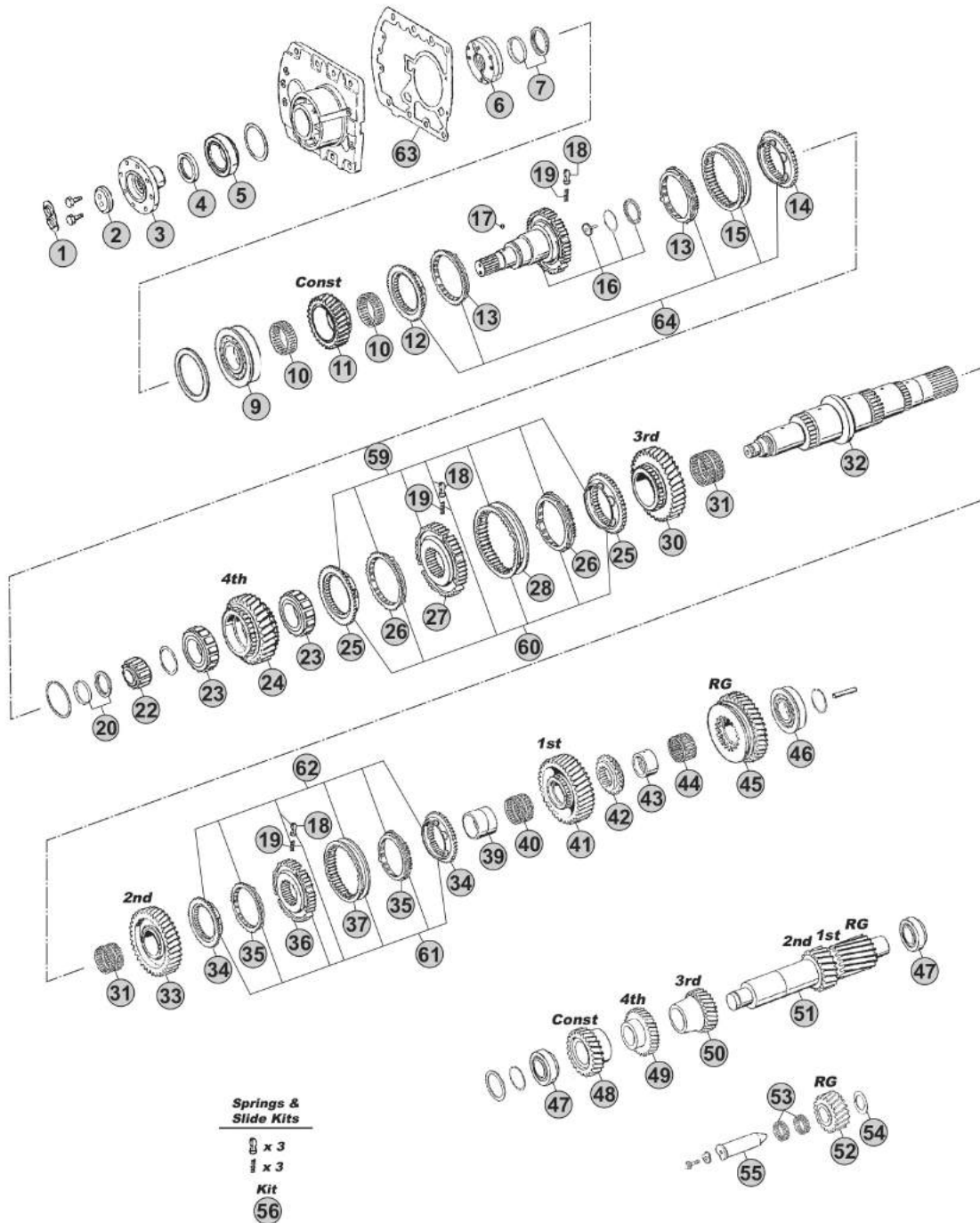
(20) Only for 3rd/4th Speed - First version - Do not mix
(21) Only for 3rd/4th Speed - Second version - Do not mix

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220A (1312 xxx xxx)



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Notes

(A) R. 14,14-0,86

(B) R. 16,87-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S220A				
25	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
26	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●				
26	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
26	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
26	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
26	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
27	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
27	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
27	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
28	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
28	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
28	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
30	145.498	1312 304 137	Gear 3rd Speed 32 T	1	A	●				
30	145.497	1312 304 136	Gear 3rd Speed 34 T	1	B	●				
31	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
32	103.316	1312 304 133	Main Shaft	1		●				
33	145.504	1312 304 141	Gear 2nd Speed 37 T	1	A	●				
33	145.503	1312 304 139	Gear 2nd Speed 38 T	1	B	●				
34	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
34	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
34	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
35	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
35	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
35	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
35	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
36	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
36	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
36	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
37	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
37	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
37	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
39	117.310	1312 304 084	Bush 85x96x72	1		●				
40	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
41	145.509	1312 304 086	Gear 1st Speed 44 T	1	A	●				
41	145.510	1312 304 085	Gear 1st Speed 47 T	1	B	●				
42	109.181	1312 304 083	Synchronizer cone	1		●				
43	117.311	1316 304 133	Bush 80x90x50	1		●				
44	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
45	147.141	1312 304 088	Reverse Gear 39 T	1	A	●				
45	147.139	1312 304 087	Reverse Gear 38 T	1	B	●				
46	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
47	130.308	0750 117 009	Bearing 49,2x103,1x43,6	2		●				
48	146.411	1312 303 006	Constant Gear 37 T	1	A	●				

Date

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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
 (20) Only for 3rd/4th Speed - First version - Do not mix
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (31) Only for 1st/2nd speed - First version (single cone) - Do not mix

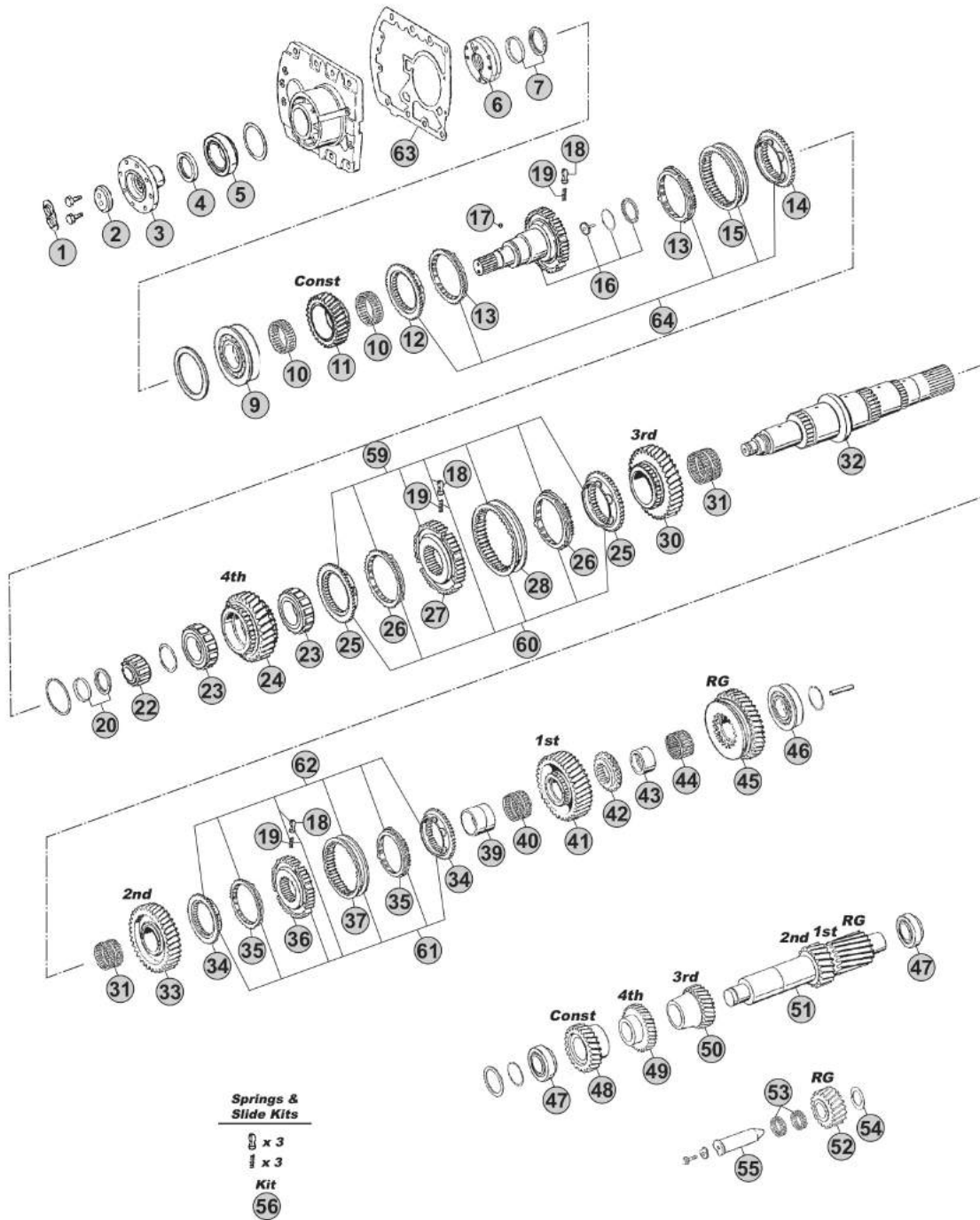
(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220A (1312 xxx xxx)



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Notes

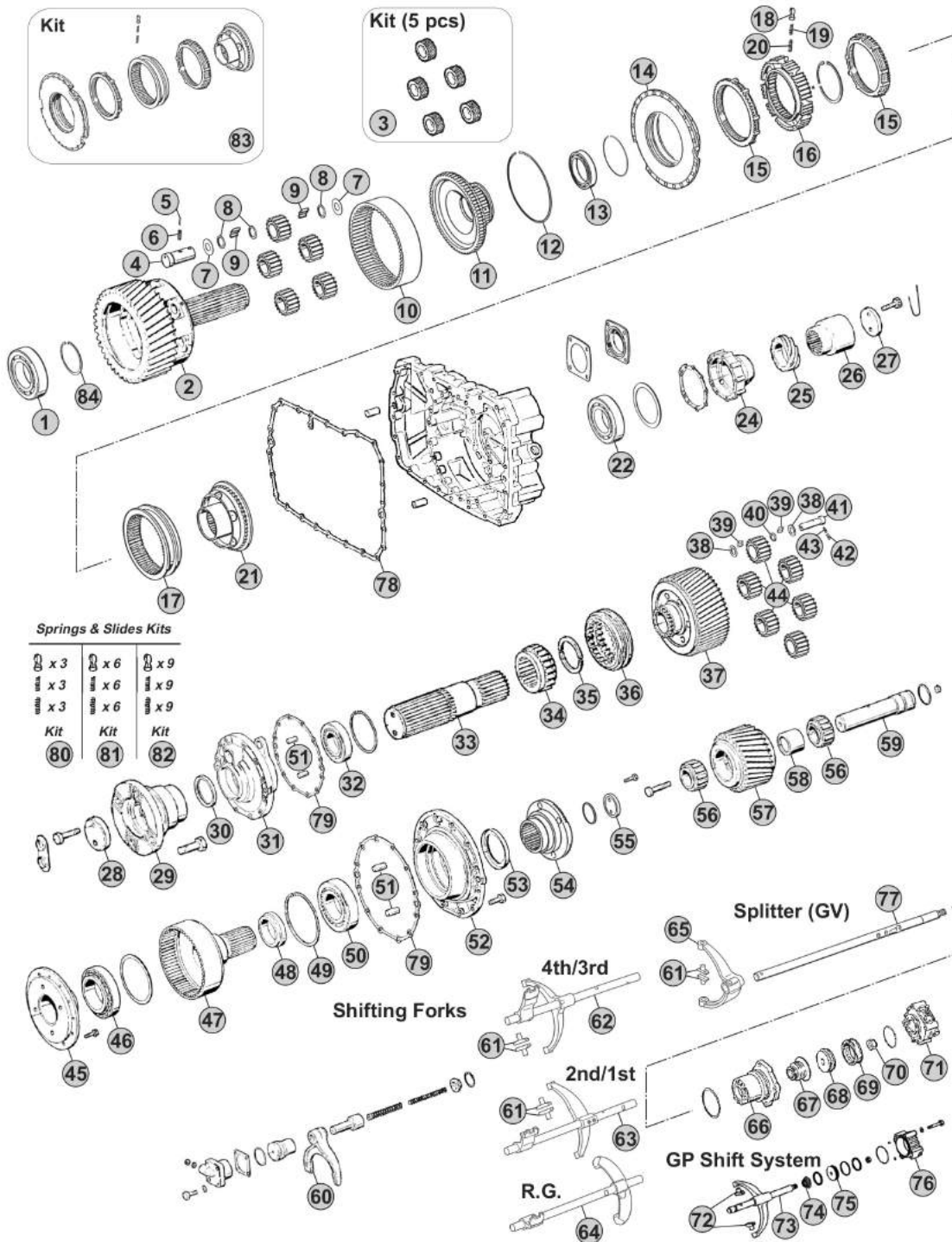
- (A) R. 14,14-0,86
- (B) R. 16,87-1,02

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220A (1312 xxx xxx)



Springs & Slides Kits

x3	x6	x9
x3	x6	x9
x3	x6	x9
Kit 80	Kit 81	Kit 82

Notes

(A) R. 14,14-0,86

(B) R. 16,87-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S220A			
1	130.433	0735 410 110	Bearing 110x200x38	1		●			
2	190.560	1312 232 025	Planetary Carrier	1		●			
3	198.801	1312 232 014	Planetary Gear Set (5 pcs)	1		●			
4	107.165	1312 332 026	Planetary Pin	5		●			
5	160.195	0631 329 167	Lock Pin 3x26	5		●			
6	160.194	0631 329 051	Lock Pin 5x26	5		●			
7	169.759	0501 308 981	Thrust Washer	10		●			
8	169.744	0730 107 168	Spacer Ring	15		●			
9	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
10	123.208	1295 332 086	Crown Gear 86 T	1		●			
11	150.134	1297 332 120	Carrier Hub 86 T	1		●			
12	111.198	0730 505 056	Locking Wire	1		●			
13	130.311	0635 338 035	Bearing 100x125x13	1		●			
14	198.358	1296 233 006	Synchro Cone	1		●			
15	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
15	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
16	157.183	1297 333 115	Synchronizer Hub	1		●			
17	154.098	1296 333 023	Sliding Sleeve	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	198.790	1297 233 056	Synchronizer Cone (41 spl.)	1		●			
22	130.245	0750 116 394	Bearing 90x160x30	1		●			
24	128.355	1312 301 037	Rear Cover	1		●			
25	117.507	1297 238 005	Bush	1		●			
26	117.508	1312 332 033	Bush	1		●			
27	188.121	1312 332 028	Stop Washer	1		●			
28	188.077	1295 332 051	Stop Washer	1		●			
29	197.167	1297 338 041	Output Flange D.180 mm	1		●			
30	139.975	0750 111 107	Oil Seal	1		●			
31	128.341	1297 339 030	Rear Cover	1		●			
32	130.245	0750 116 394	Bearing 90x160x30	1		●			
33	103.315	1297 339 028	Output Shaft	1		●			
34	155.328	1297 339 024	Fixed Hub	1		●			
35	269.814	1297 339 005	Shim	1		●			
36	154.514	1297 339 035	Sliding Sleeve	1		●			
37	190.558	1312 237 002	Planetary Carrier	1		●			
38	269.671	0730 002 088	Washer	10		●			
39	171.088	0635 490 013	Needle 3,5x17,8	300		●			
40	269.672	0730 104 292	Ring	5		●			
41	107.222	1297 337 009	Planetary pin	5		●			
42	160.315	0631 329 014	Lock Pin	5		●			
43	160.316	0631 329 046	Lock pin	5		●			

 ECOSPLIT I-II
16S220A

Date

09/2014

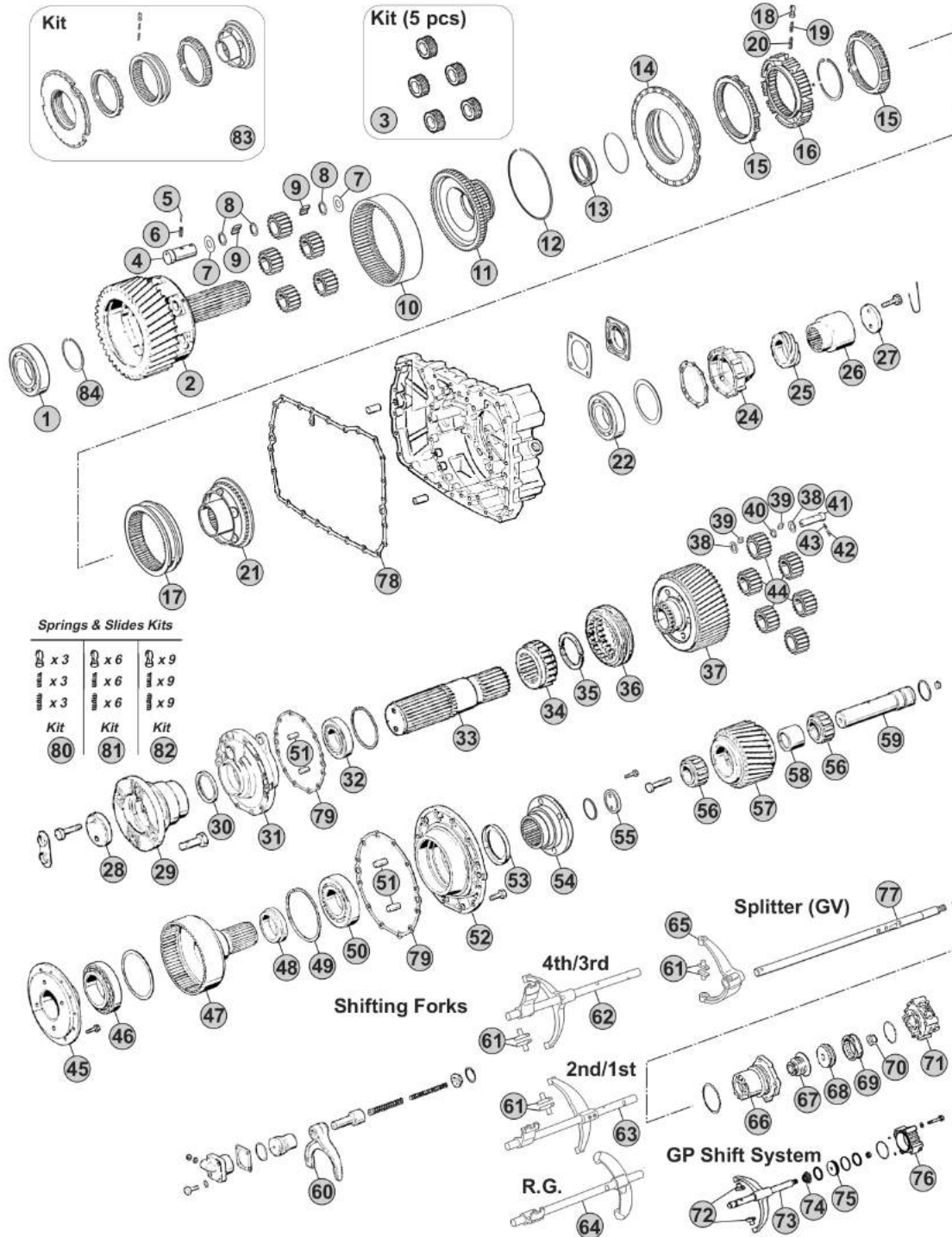
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S220A (1312 xxx xxx)



Notes

(A) R. 14,14-0,86

(B) R. 16,87-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S220A			
44	298.156	1297 237 005	Planetary Gear Set	1		●			
45	128.342	1297 337 017	Rear Cover	1		●			
46	130.434	0635 370 030	Bearing	2		●			
47	103.314	1297 338 048	Output Shaft	1		●			
48	269.818	1297 338 019	Thrust Ring	1		●			
49	111.441	0630 502 054	Retainer Ring	1		●			
50	130.245	0750 116 394	Bearing 90x160x30	1		●			
51	160.313	0631 306 776	Pin	2	2x2 pcs.	●			
52	128.343	1297 338 083	Cover	1		●			
53	139.975	0750 111 107	Oil Seal	1		●			
54	197.167	1297 338 041	Output Flange D.180 mm	1		●			
55	188.077	1295 332 051	Stop Washer	1		●			
56	137.016	0750 118 016	Needle Cage 55x106,5x43	2		●			
57	244.207	1312 336 001	Gear Low Speed	1		●			
58	117.505	1297 336 008	Bush	1		●			
59	160.317	1297 336 010	Pin	1		●			
60		1297 339 021	Fork	1		●			
61	141.163	1297 306 120	Slide	2	3x2 pcs.	●			
62		1312 206 046	Complete Fork	1		●			
63		1312 206 040	Complete Fork	1		●			
64		1312 206 033	Complete Fork	1		●			
65	141.086	1313 312 002	Shift Yoke	1		●			
66	132.046	1296 312 042	Cylinder	1		●			
67	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
68	188.276	1312 312 003	Piston	1		●			
69	139.912	0750 112 089	Ring 53x63x16,2	1		●			
70	287.091	0737 300 037	Nut	1		●			
71	132.084	0750 132 032	Cylinder	1		●			
71	132.085	0750 132 033	Cylinder	1		●			
72	141.085	1296 334 004	Bronze Slide	2		●			
73	149.279	1297 234 021	Selector Rod	1		●			
74	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
75	188.278	1297 334 056	Piston	1		●			
76	132.036	1297 334 055	Cylinder	1		●			
77		1312 312 008	Selector Rod	1		●			
78	239.005	0501 311 961	Gasket	1		●			
79	239.006	1313 339 002	Gasket	2		●			
80	198.339	1268 298 938	Spring Slide kit	1		●			
81	198.564		Spring Slide kit	1		●			
82	198.842	1295 298 933	Spring Slide kit	1		●			
83	298.113		Repair kit	1	W/"New Type" synchro rings	●			
84	111.440	0630 501 058	Retainer Ring	1		●			

ECOSPLIT I-II
16S220A

Date

09/2014

Notes

Models:

ECOSPLIT III

Versions:

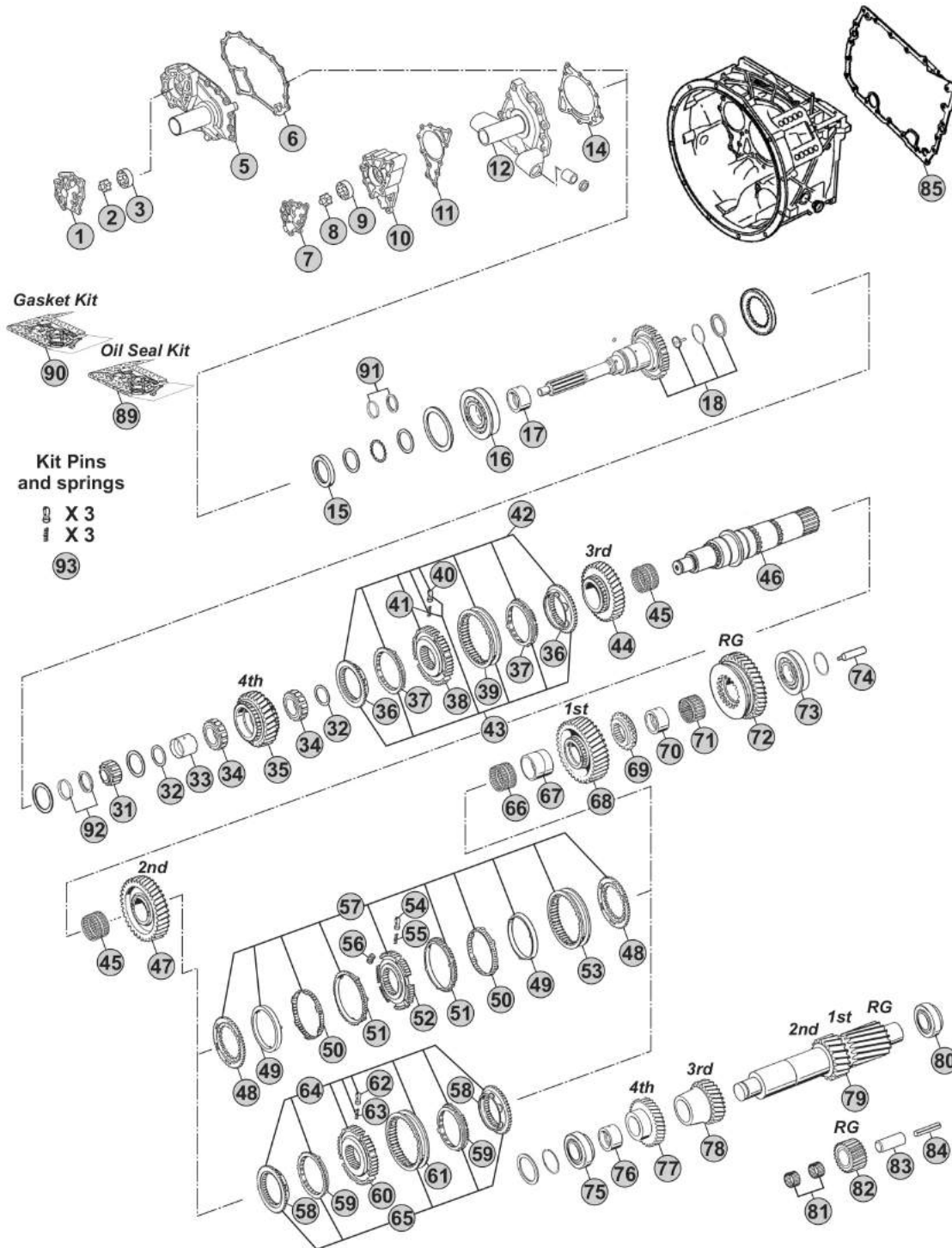
8S151 (1315 xxx xxx) **(GP Straight Teeth)** Pag.186 - **8S151** (1315 xxx xxx) **(GP Helical Teeth)** Pag.196
16S151 (1315 xxx xxx) **(GP Straight Teeth)** Pag.206 - **16S151** (1315 xxx xxx) **(GP Helical Teeth)** Pag.220
16S181 (1316 xxx xxx) Pag.232 - **16S182** (1316 xxx xxx) Pag.244
16S221 (1316 xxx xxx) **(GP Straight Teeth)** Pag.254 - **16S221** (1316 xxx xxx) **(GP Helical Teeth)** Pag.268
16S222 (1316 xxx xxx) Pag.280 - **16S251** (1316 xxx xxx) Pag.290

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

8S151 R. 13,86-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S151				
1	135.247	1315 302 013	Cover	1		●				
2	189.677	1315 202 014	Rotor	1		●				
3	189.678	1315 303 027	Rotor	1		●				
5	135.249	1315 302 047	Front Cover	1		●				
6	139.651	0501 314 246	Gasket	1		●				
7	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		●				
12	135.251	1315 202 055	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	117.495	0730 260 712	Bush	1		●				
18	190.304	1315 202 037	Input Shaft	1		●				
18	190.315	1315 202 040	Input Shaft	1		●				
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	109.134	1312 304 027	Synchronizer Cone	2	(20)	●				
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	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●				
37	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
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	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
39	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
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	(20-21-22-23)	●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3	(20-21-22-23)	●				
42	198.812	1315 298 018	Synchro Kit	1	(20)	●				
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)	●				

ECOSPLIT III
8S151

Date

09/2014

Notes

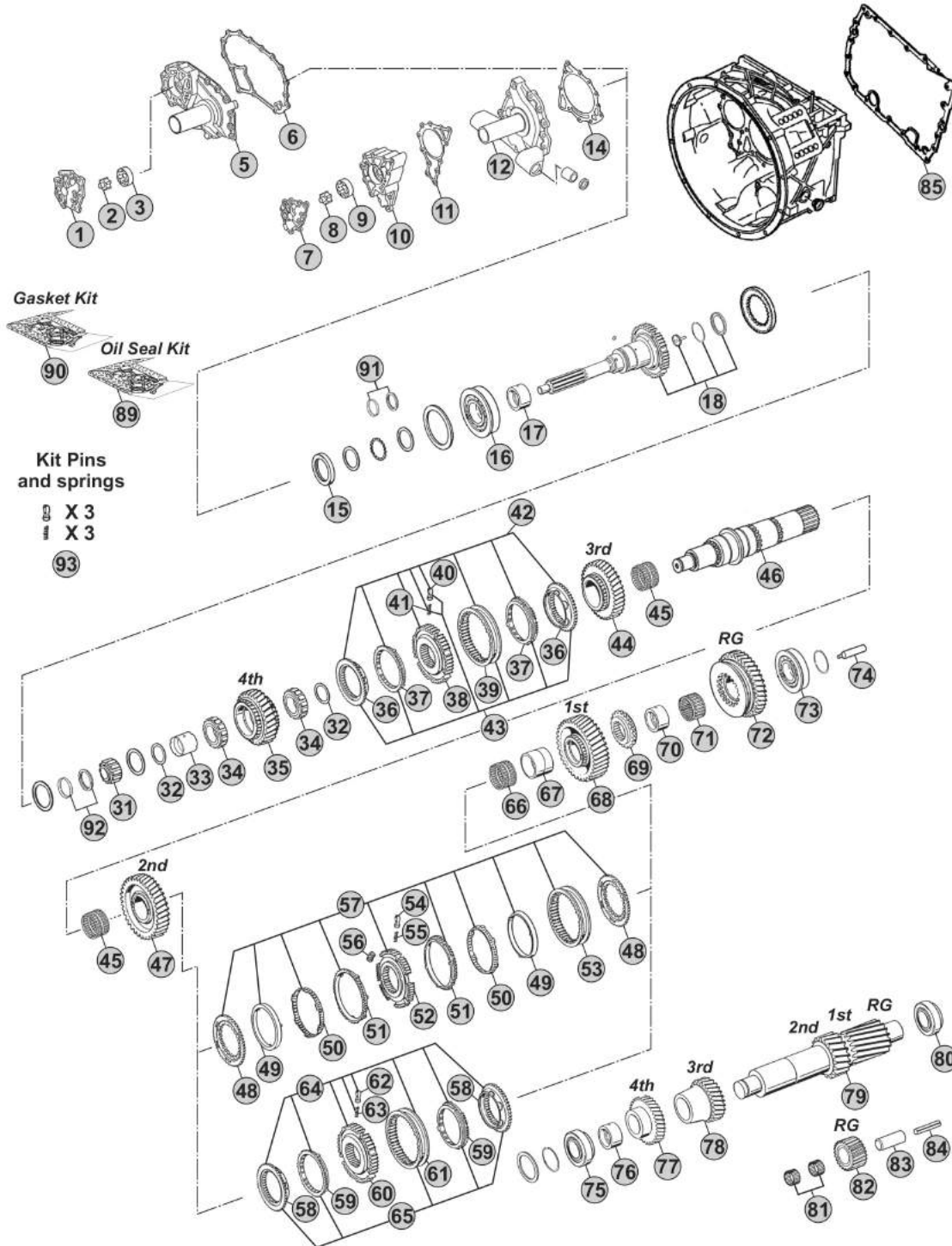
- (20) Only for 3rd/4th Speed - First version - Do not mix
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (22) Only for 3rd/4th Speed - Latest type - Do not mix
 (23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

8S151 R. 13,86-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S151				
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	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	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
59	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
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	(31-32-33-34)	●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3	(31-32-33-34)	●				
64	198.972	1313 298 909	Synchro Kit	1	(31)	●				
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		●				

Date

09/2014

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

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

(31) Only for 1st/2nd speed - First version (single 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

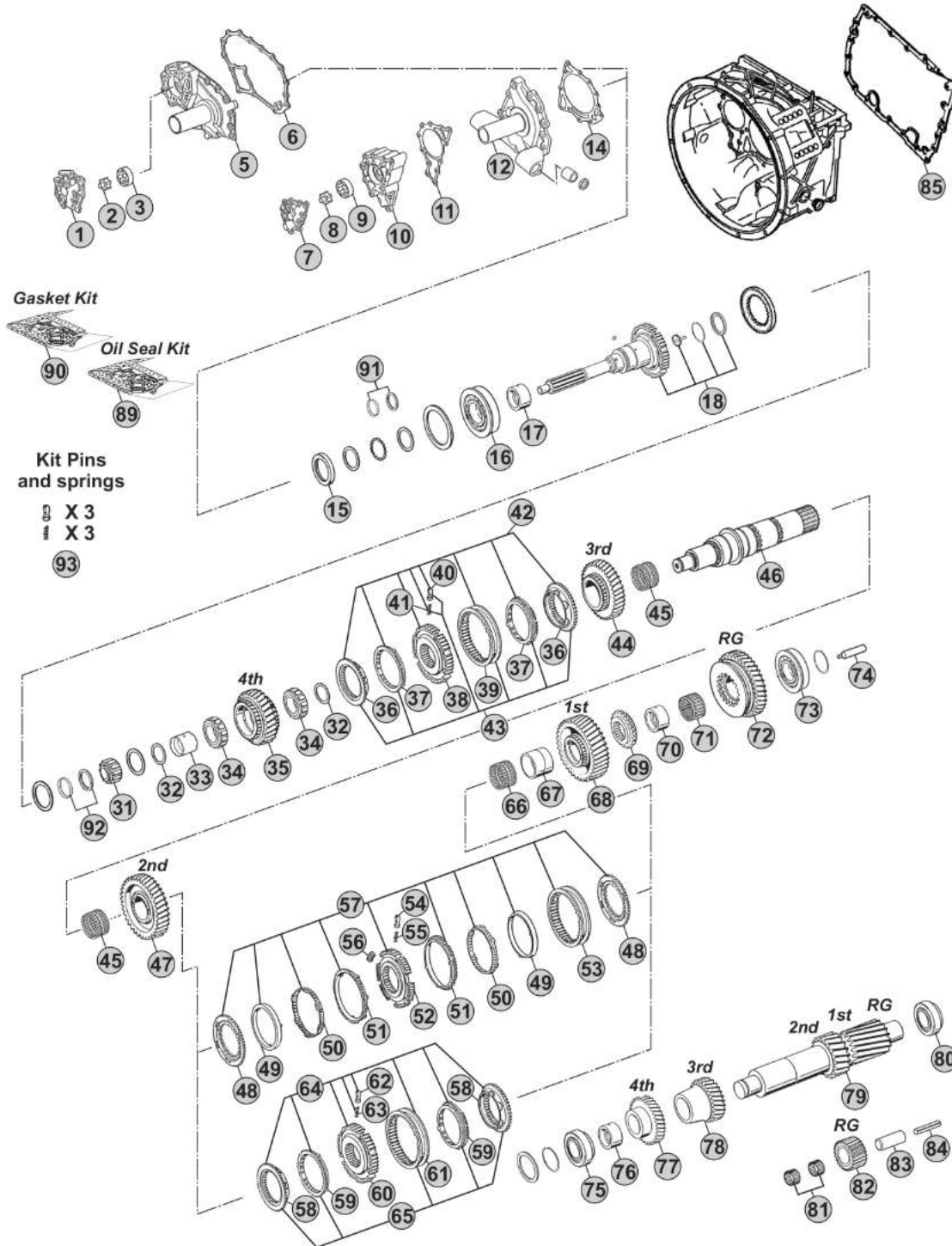
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

8S151 R. 13,86-1,00

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MODELS:

- ECOSPLIT III

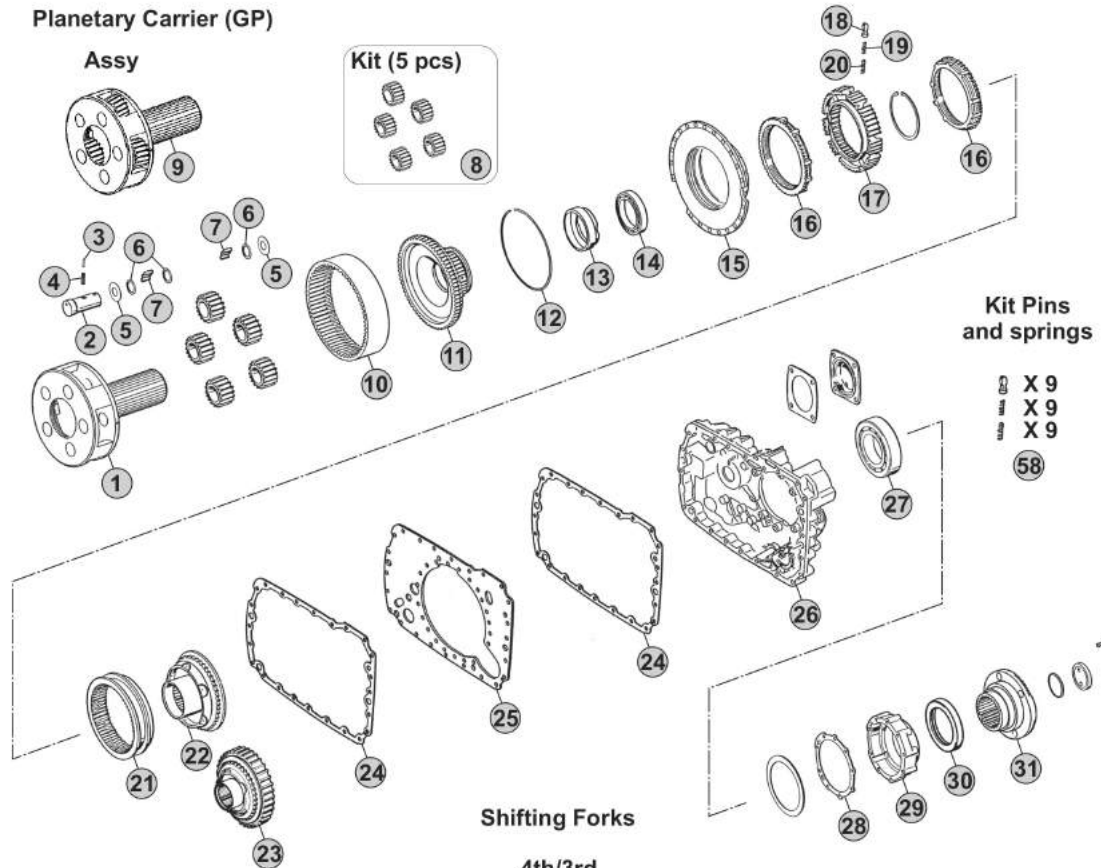
VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Straight Teeth)

Planetary Carrier (GP)

Assy

Kit (5 pcs)



Shifting Forks

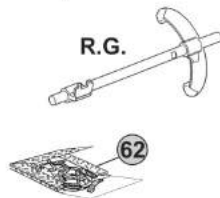
4th/3rd



2nd/1st



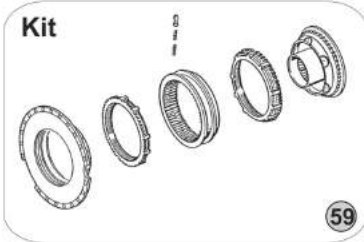
R.G.



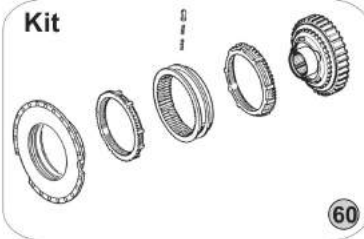
Gasket and Oil Seal Kit



Kit



Kit



Notes

8S151 R. 13,86-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S151				
1	190.393	1315 232 023	Planetary Carrier	1		●				
2	107.164	1296 332 005	Planet Shaft	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		●				
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) W/Retarder	●				
23	196.449	1315 233 031	Gear W/RET.	1	(61) W/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	197.253	1315 238 001	Output Flange	1		●				
32	141.163	1297 306 120	Slide	6	Old Type	●				
32	141.168	1316 306 015	Sliding pad	6	New Type	●				
45	141.085	1296 334 004	Bronze Slide	2		●				
46	139.655	0750 112 253	Cap Collar D.25x40x15	1		●				
47	139.659	0734 307 294	Oil Seal	1		●				

ECOSPLIT III
8S151

Date

09/2014

Notes

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

MODELS:

- ECOSPLIT III

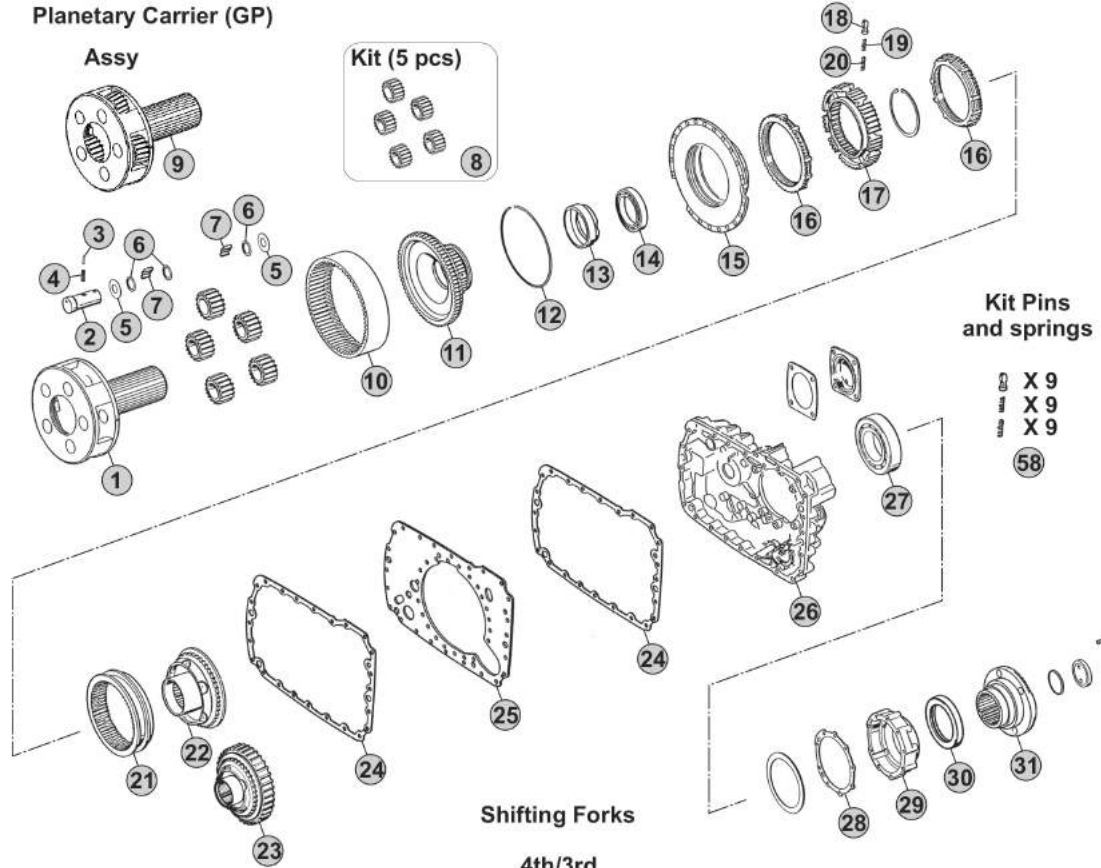
VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Straight Teeth)

Planetary Carrier (GP)

Assy

Kit (5 pcs)



Shifting Forks

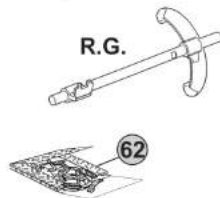
4th/3rd



2nd/1st



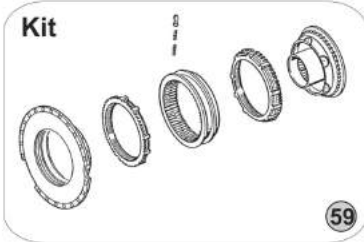
R.G.



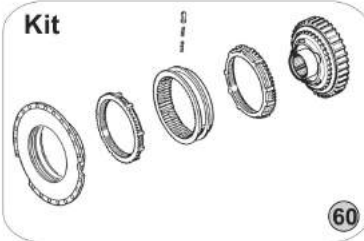
Gasket and Oil Seal Kit



Kit



Kit



Notes

8S151 R. 13,86-1,00

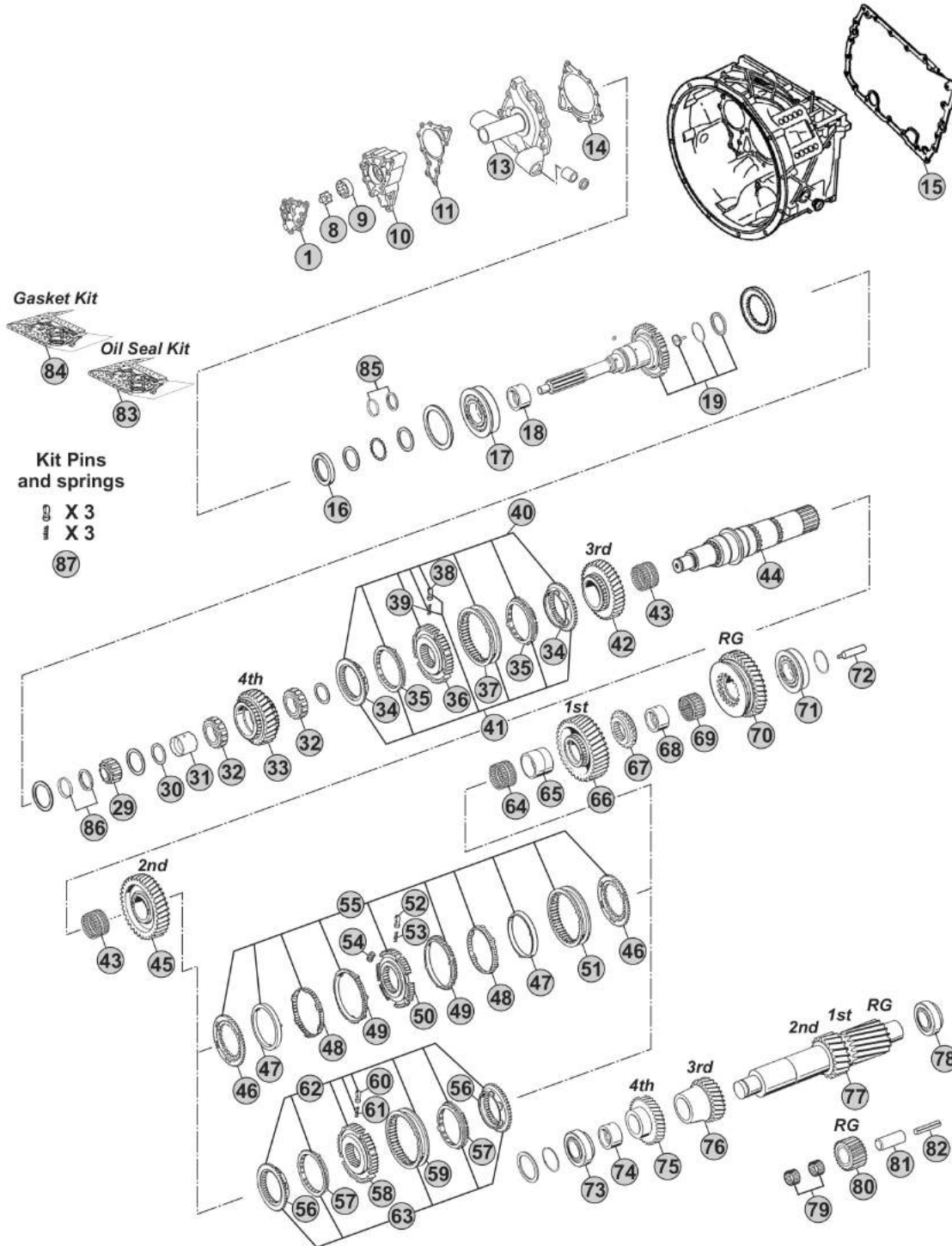
Our spare parts are not the originals but interchangeable with the originals ones. All original equipment manufacturers' numbers, pictures and models used in this catalogue are for reference only. Our products bear our trade-mark.

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

8S151 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S151				
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		●				
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	109.134	1312 304 027	Synchronizer Cone	2	(20)	●				
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	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●				
35	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
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	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
37	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
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	198.812	1315 298 018	Synchro Kit	1	(20)	●				
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	1		●				
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1		●				

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Notes

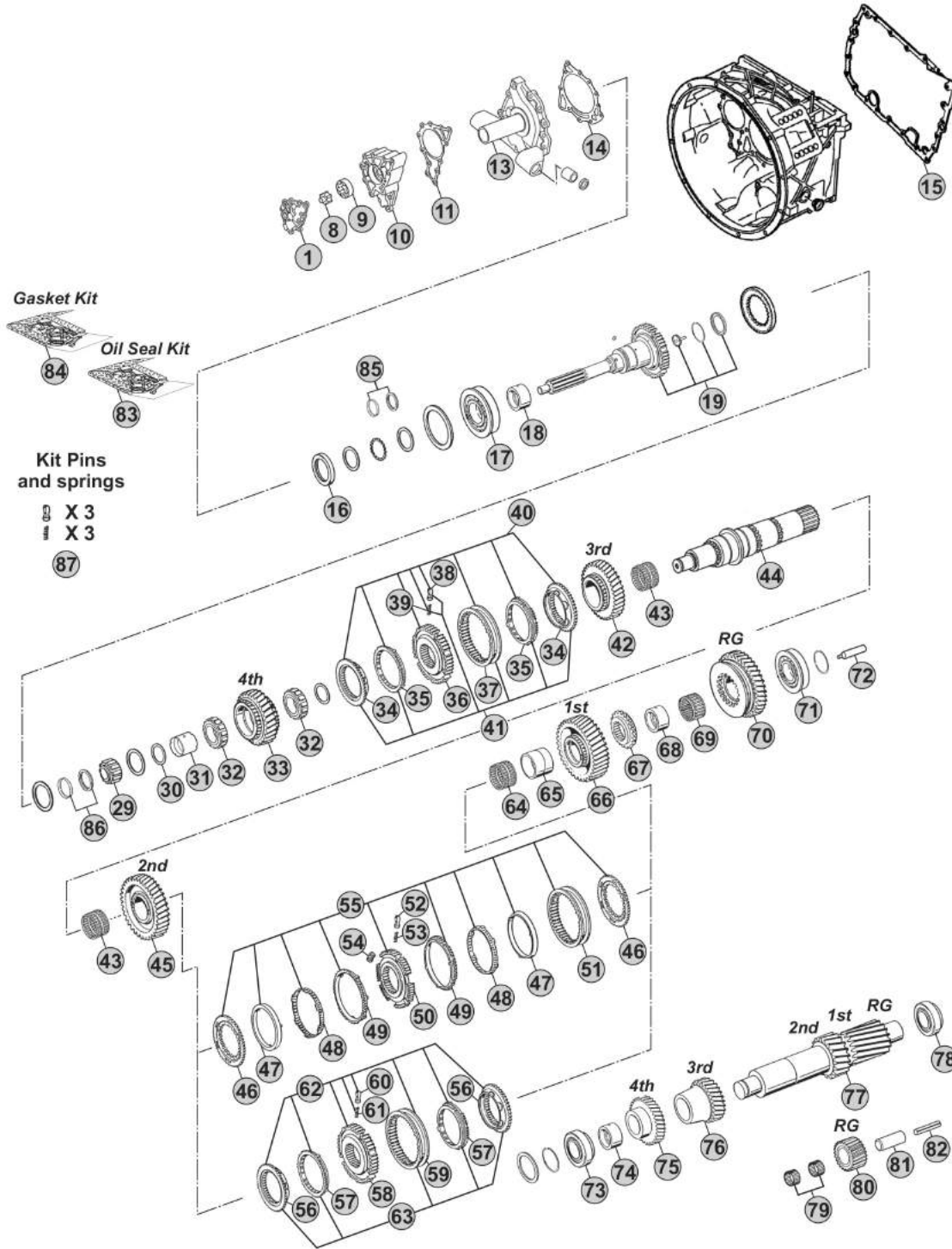
- (20) Only for 3rd/4th Speed - First version - Do not mix
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (22) Only for 3rd/4th Speed - Latest type - Do not mix
 (23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

8S151 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S151				
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)	●				
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	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
57	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
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	(31-32-33-34)	●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3	(31-32-33-34)	●				
62	198.972	1313 298 909	Synchro Kit	1	(31)	●				
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		●				

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Date

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Notes

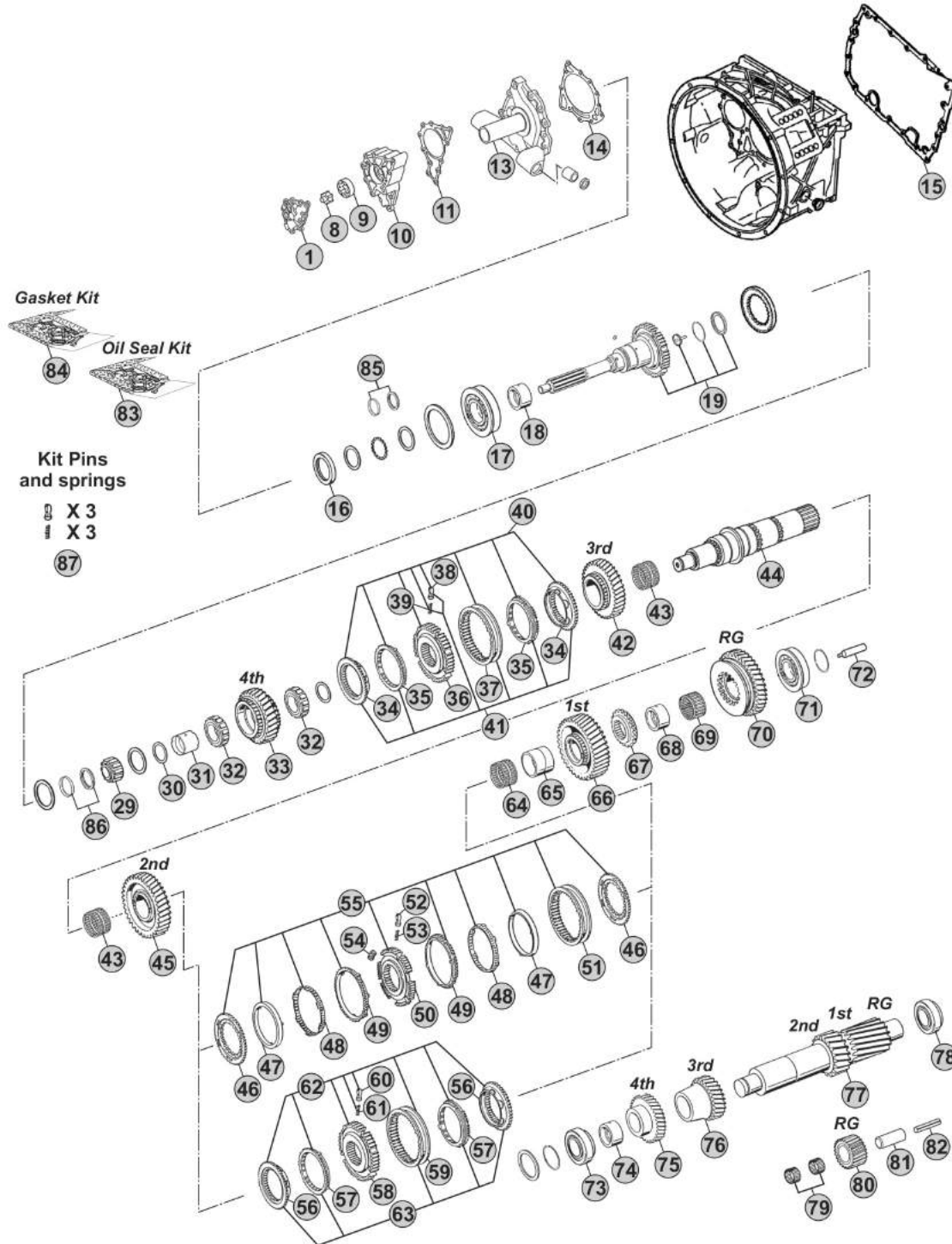
- (30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (31) Only for 1st/2nd speed - First version (single cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for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

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

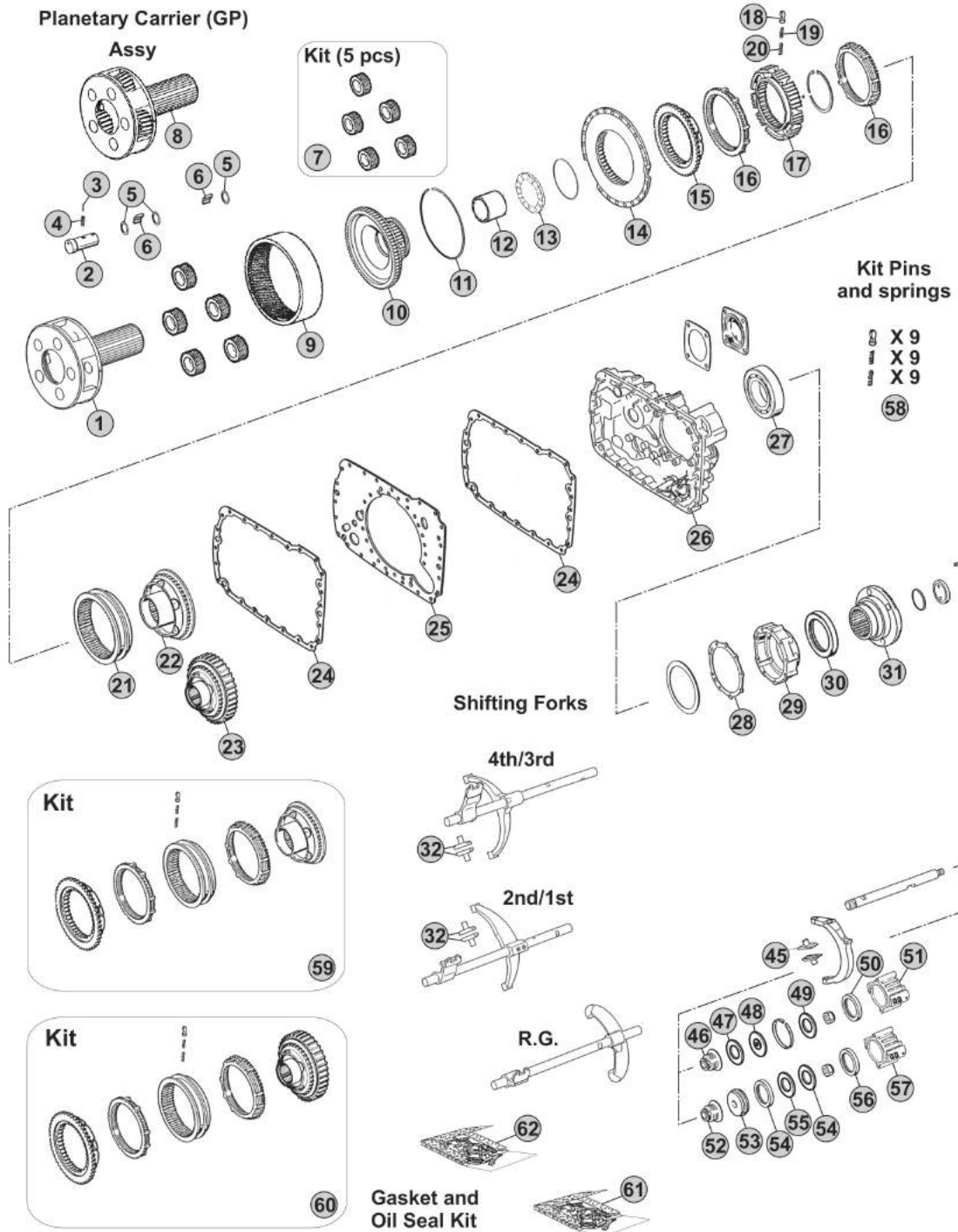
8S151 R. 13,80-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Helical Teeth)



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Notes

8S151 R. 13,80-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	8S151				
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	Planet Shaft	5	(70)	●				
2	107.255	1315 332 091	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin	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	Spur ring gear 82 T	1		●				
10	150.136	1316 332 130	Carrier Hub 82 T	1		●				
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	1	(61)	●				
23	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●				
23	109.773	1316 233 028	Synchronizer Cone	1	(61)	●				
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	Slide	2	Old Type	●				

 ECOSPLIT III
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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

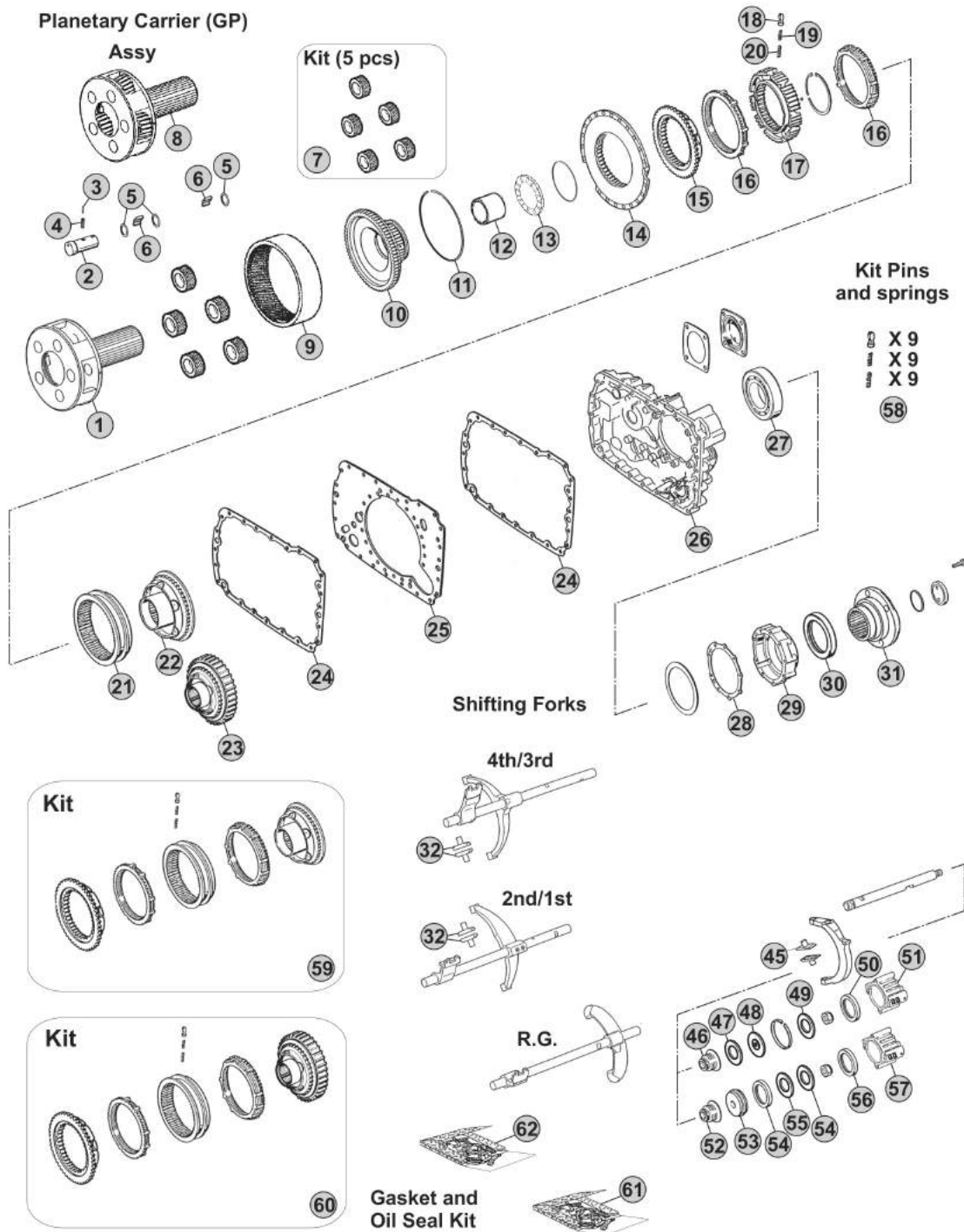
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 8S151 (1315 xxx xxx)
(GP Helical Teeth)



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Notes

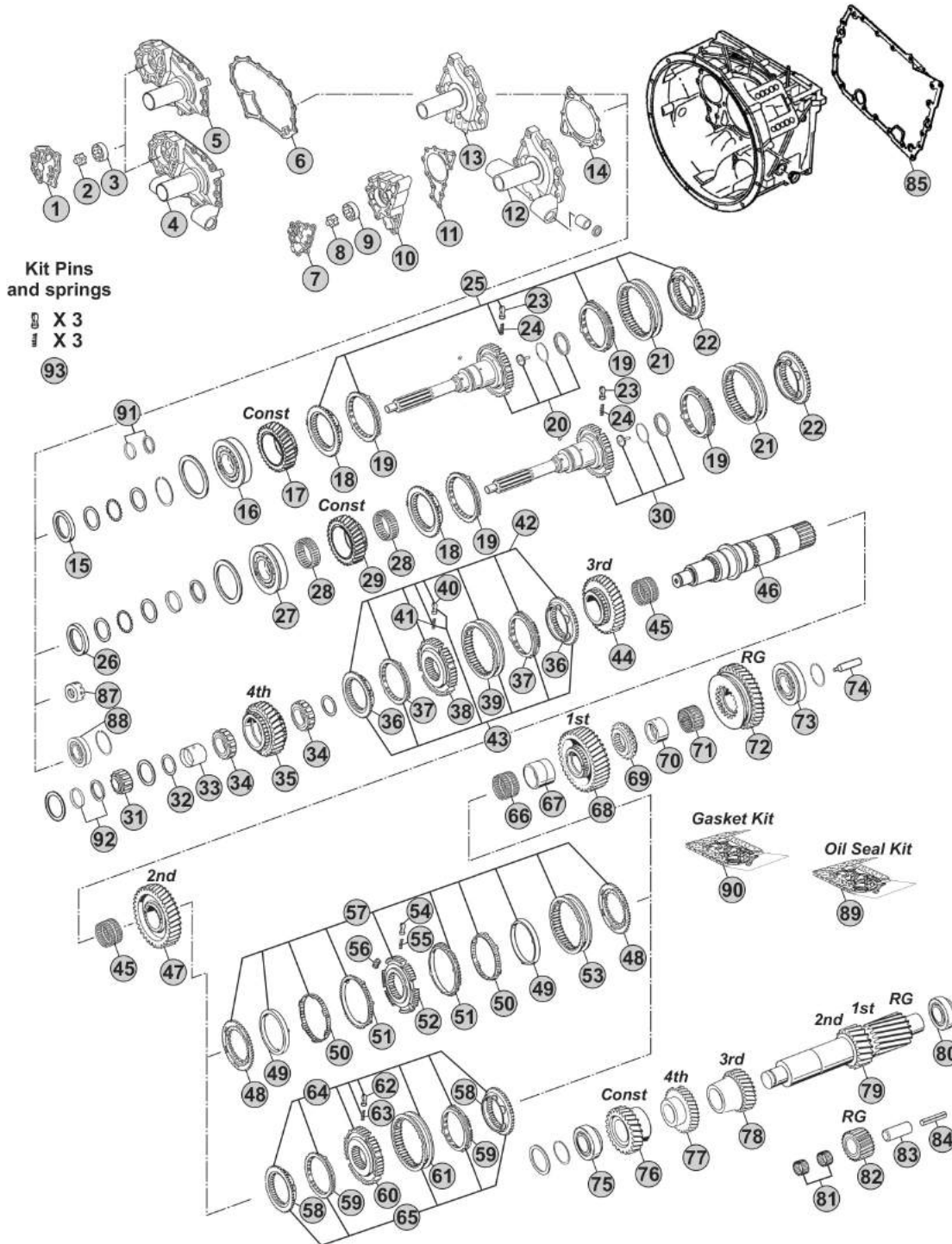
8S151 R. 13,80-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,85-0,84
- (C) R. 13,86-0,84
- (D) R. 16,47-1,00
- (E) R. 16,53-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151			
1	135.247	1315 302 013	Cover	1		●			
2	189.677	1315 202 014	Rotor	1		●			
3	189.678	1315 303 027	Rotor	1		●			
4	298.867	1315 202 053	Front cover assy	1	Assy	●			
4	128.323	1315 202 054	Front Cover	1	Assy	●			
5	135.248	1315 302 045	Front Cover	1		●			
5	135.249	1315 302 047	Front Cover	1		●			
5	135.250	1315 302 113	Front Cover	1		●			
6	139.651	0501 314 246	Gasket	1		●			
7	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		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.252	1315 202 058	Front Cover	1		●			
12	135.253	1315 202 061	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.255	1315 202 060	Front Cover	1	WWSK400	●			
13	135.256	1315 302 075	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.258	1315 302 181	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
15	139.871	0734 310 104	Oil Seal 52x68x8	1	(1)	●			
15	139.654	0734 319 514	Oil Seal 52x72x8	1	(2)	●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.513	1315 302 173	Constant Gear 34 T	1	A	●			
17	145.556	1315 302 158	Constant Gear 35 T	1	C	●			
17	145.553	1315 302 157	Constant Gear 30 T	1	D	●			
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	190.324	1315 202 039	Input Shaft 48 T	1		●			
20	190.315	1315 202 040	Input Shaft	1		●			
20	190.507	1315 202 041	Input shaft	1		●			
20	190.508	1315 202 044	Input shaft	1		●			

 ECOSPLIT III
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Notes

(1) Only for 1315 202 048

(2) Only for 1315 221 002

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

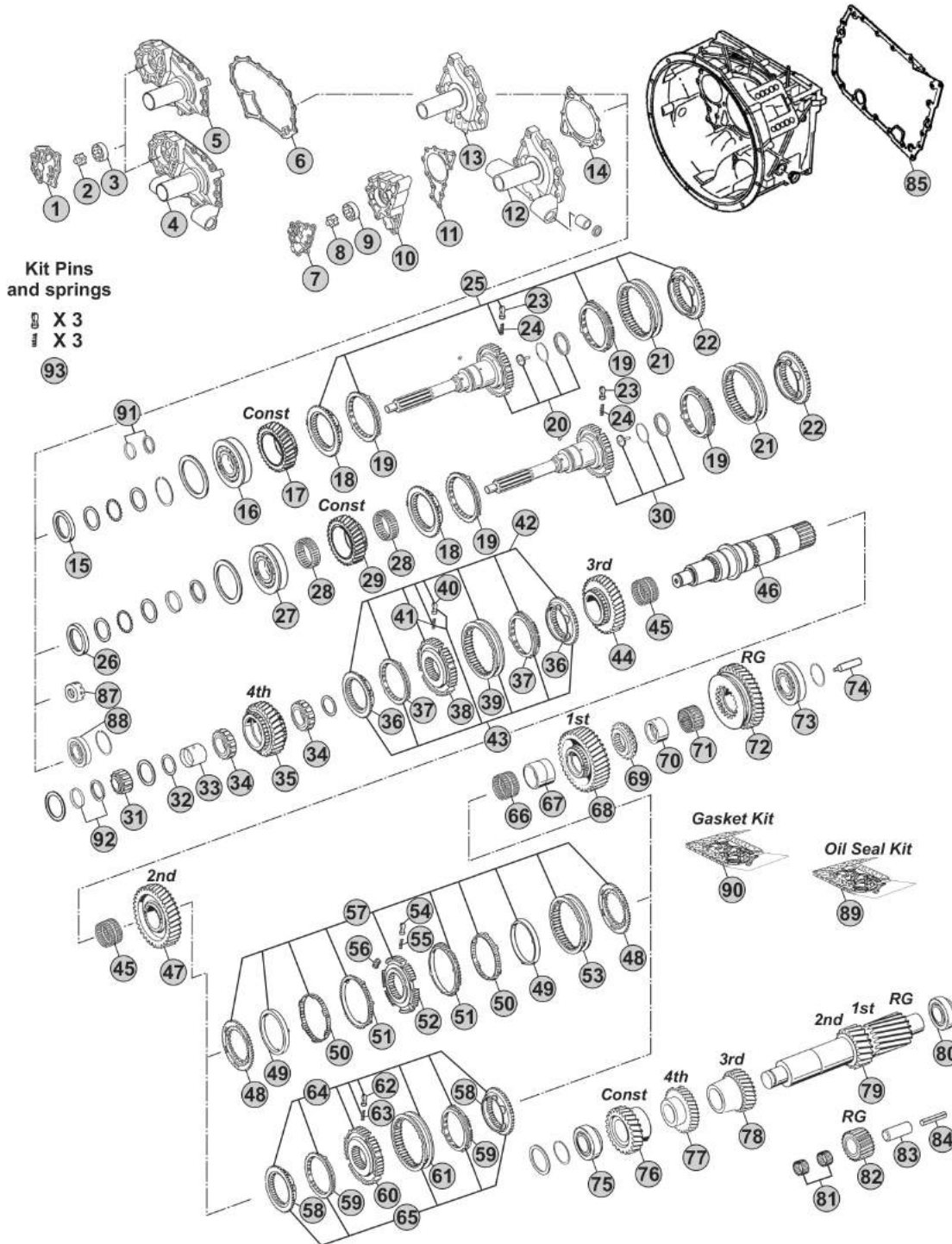
(52) Only for latest type with carbon rings - overdrive speeds

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,85-0,84
- (C) R. 13,86-0,84
- (D) R. 16,47-1,00
- (E) R. 16,53-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151				
20	190.509	1315 202 045	Input shaft	1		●				
20	190.510	1315 202 050	Input shaft	1		●				
20	190.511	1315 202 048	Input Shaft	1	W/WSK	●				
20	190.317	1315 221 002	Input Shaft 57 T	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	109.133	1312 304 056	Synchronizer Cone	1	(50) W/Step	●				
22	109.134	1312 304 027	Synchronizer Cone	1	(50) W/out Step	●				
22	109.839	1316 304 190	Synchronizer Cone	1	(51) W/out Step	●				
22	109.208	1356 304 025	Synchronizer Cone	1	(52) W/out Step	●				
23	160.189	1297 304 436	Pressure Piece	3		●				
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
25	298.319	1297 298 955	Synchro Kit	1	(50) W/Step	●				
25	298.169		Synchro Kit	1	(50) W/out Step	●				
25	298.288	1325 298 008	Synchro Kit	1	(51) W/out Step	●				
25	196.442	1316 298 037	Synchro Kit	1	(52) W/out Step	●				
26	139.879	0734 310 387	Oil Seal 55x75x8	1	Old Type	●				
27	130.306	0750 117 431	Bearing 75x150x30,50	1	Old Type	●				
28	137.133	0735 321 437	Needle Cage 93x101x25	2	(3) Old Type	●				
28	137.148	0750 115 310	Needle Cage D.93x101x25	2	(4) Old Type	●				
29	145.524	1315 302 008	Constant Gear 34 T	1	B Old Type	●				
29	145.451	1315 302 007	Constant Gear 30 T	1	E Old Type	●				
30	190.309	1315 202 022	Input Shaft	1		●				
30	190.296	1315 202 012	Input Shaft	1		●				
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	ACD	●				
34	137.156	0750 118 198	Roller Cage 67x101x32	2	(3-4) BE Old Type	●				
35	146.431	1315 304 017	Gear 4th Speed 30 T	1	AB	●				
35	146.320	1315 304 089	Gear 4th Speed 32 T	1	CDE	●				
36	109.134	1312 304 027	Synchronizer Cone	2	(20)	●				
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	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●				
37	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
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	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				

 ECOSPLIT III
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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

(3) Only for 1315 202 022 - Old version with needle cages

(4) Only for 1315 202 012 - Old version with needle cages

(20) Only for 3rd/4th Speed - First version - Do not mix

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

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

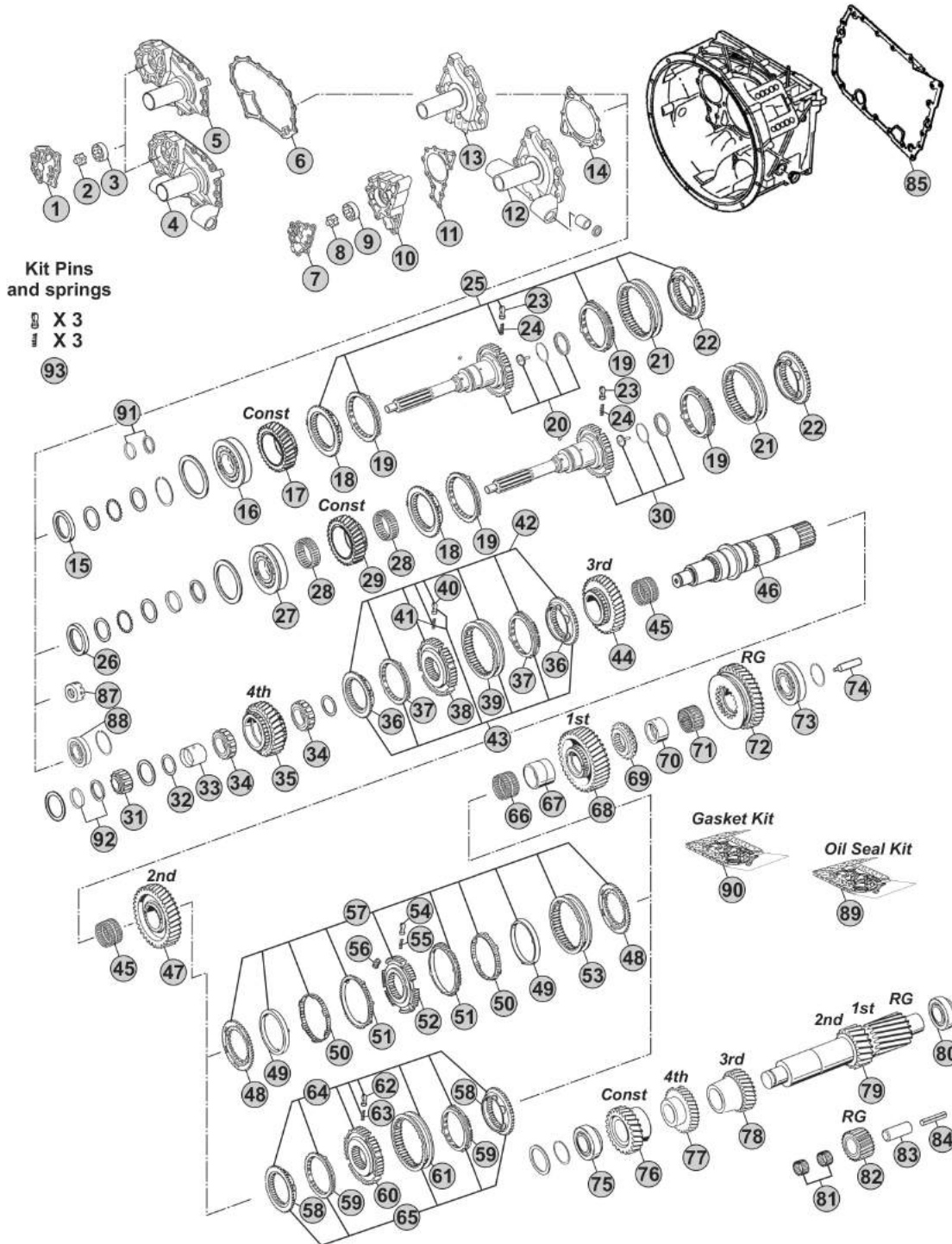
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,85-0,84
- (C) R. 13,86-0,84
- (D) R. 16,47-1,00
- (E) R. 16,53-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151				
39	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
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	(20-21-22-23)	●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3	(20-21-22-23)	●				
42	198.812	1315 298 018	Synchro Kit	1	(20)	●				
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	145.514	1315 304 028	Gear 3rd Speed 32 T	1	AB	●				
44	145.456	1315 304 027	Gear 3rd Speed 34 T	1	CDE	●				
45	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
46	103.135	1315 304 130	Main Shaft	1	ACD	●				
46	103.127	1315 304 029	Main Shaft	1	BE	●				
47	145.455	1315 304 026	Gear 2nd Speed 37 T	1	AB	●				
47	145.454	1315 304 025	Gear 2nd Speed 38 T	1	CDE	●				
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	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
59	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
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	(31-32-33-34)	●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3	(31-32-33-34)	●				
64	198.972	1313 298 909	Synchro Kit	1	(31)	●				

 ECOSPLIT III
16S151

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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
 (20) Only for 3rd/4th Speed - First version - Do not mix
 (21) Only for 3rd/4th Speed - Second version - Do not mix
 (30) Only for 1st/2nd speed - First version (triple cone) - Do not mix

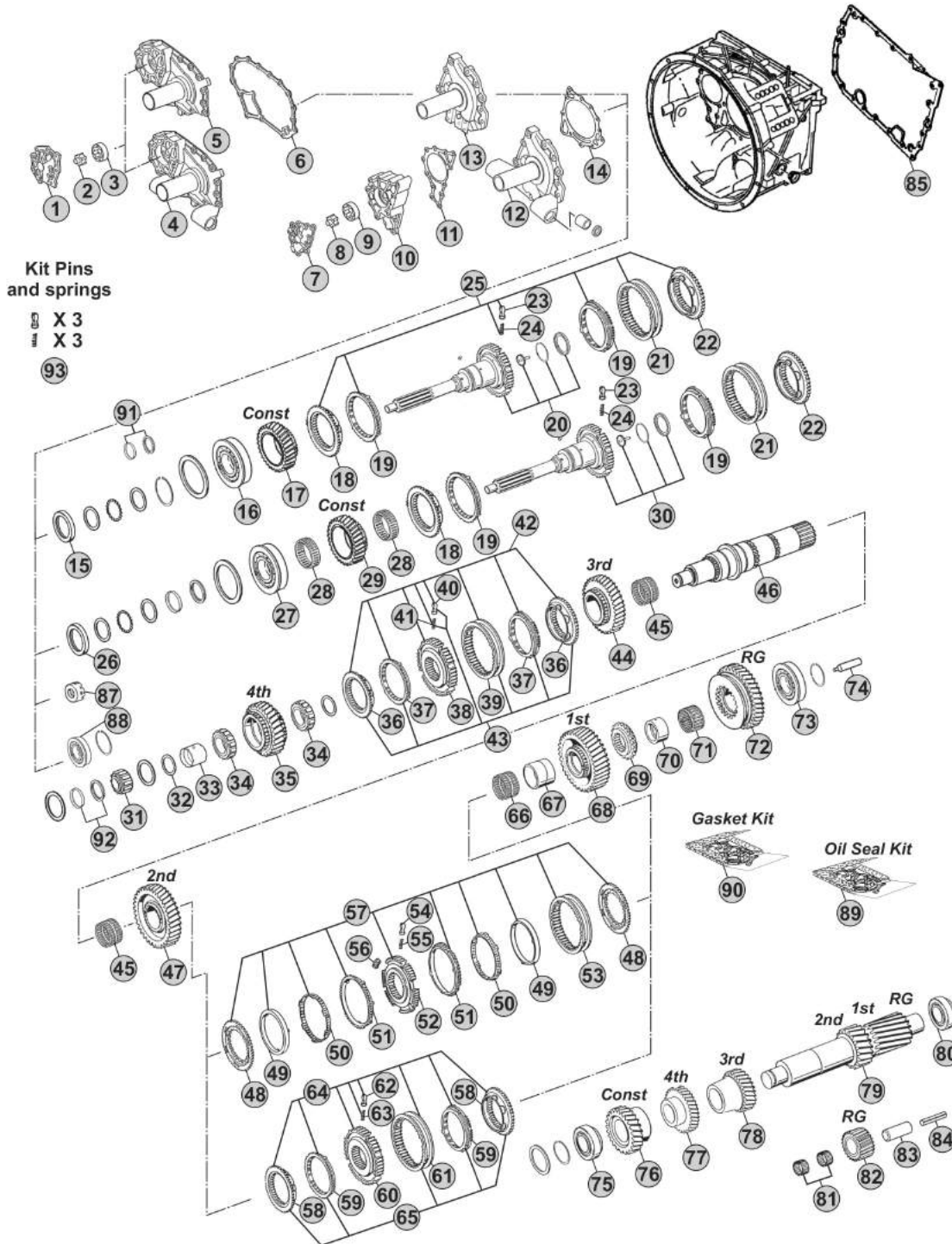
 (31) Only for 1st/2nd speed - First version (single cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,85-0,84
- (C) R. 13,86-0,84
- (D) R. 16,47-1,00
- (E) R. 16,53-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151				
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	145.453	1315 304 014	Gear 1st Speed 44 T	1	AB	●				
68	145.452	1315 304 004	Gear 1st Speed 47 T	1	CDE	●				
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	147.124	1315 304 013	Reverse Gear 42 T	1	AB	●				
72	147.123	1315 304 006	Reverse Gear 44 T	1	CDE	●				
73	130.309	0750 117 677	Bearing 80x130x36	1		●				
74	188.209	1312 304 150	Oil Tube	1		●				
75	130.242	0750 117 010	Bearing 50,80x100x35	1	(9)	●				
75	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1	(10)	●				
76	146.427	1315 303 052	Constant Gear 37 T	1	AB	●				
76	146.473	1315 303 064	Constant Gear 32 T	1	C	●				
76	146.367	1315 303 008	Constant Gear 39 T	1	DE	●				
77	146.429	1315 303 046	Gear 4th Speed 39 T	1	AB	●				
77	146.474	1315 303 050	Gear 4th Speed 35 T	1	CDE	●				
78	146.368	1315 303 010	Gear 3rd Speed 28 T	1	AB	●				
78	146.365	1315 303 004	Gear 3rd Speed 26 T	1	CDE	●				
79	105.112	1315 303 048	Countershaft 19/23 T	1	(9-40) AB	●				
79	105.095	1315 303 049	Countershaft 17/20 T	1	(9-40) DE	●				
79	105.109	1315 303 041	Countershaft 19/23 T	1	(10-40) A	●				
79	105.124	1315 303 042	Countershaft 17/20 T	1	(10-40) CD	●				
79	105.216	1315 303 063	Countershaft 17/20 T	1	(10-41) CDE	●				
80	130.307	0750 117 011	Bearing 50,8x104,7x39,6	1	(40)	●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1	(41)	●				
81	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
82	147.142	1315 305 005	Reverse Gear 20 T	1	AB	●				
82	147.126	1315 305 011	Reverse Gear 22 T	1	CDE	●				
83	190.302	1315 305 009	Reverse Shaft	1		●				
84	160.282	0631 329 293	Pin	1	AB	●				
84	160.290	0631 329 294	Pin	1	CDE	●				
85	139.854	1315 301 233	Gasket	1		●				
87	126.033	4130 309 063	Disk	1	(1)	●				
88	130.394	0635 450 098	Bearing 52x90x33	1	(2)	●				
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	●				

Date

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Notes

(31) Only for 1st/2nd speed - First version (single 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
 (9) Only for models with oil pump integrated into cover

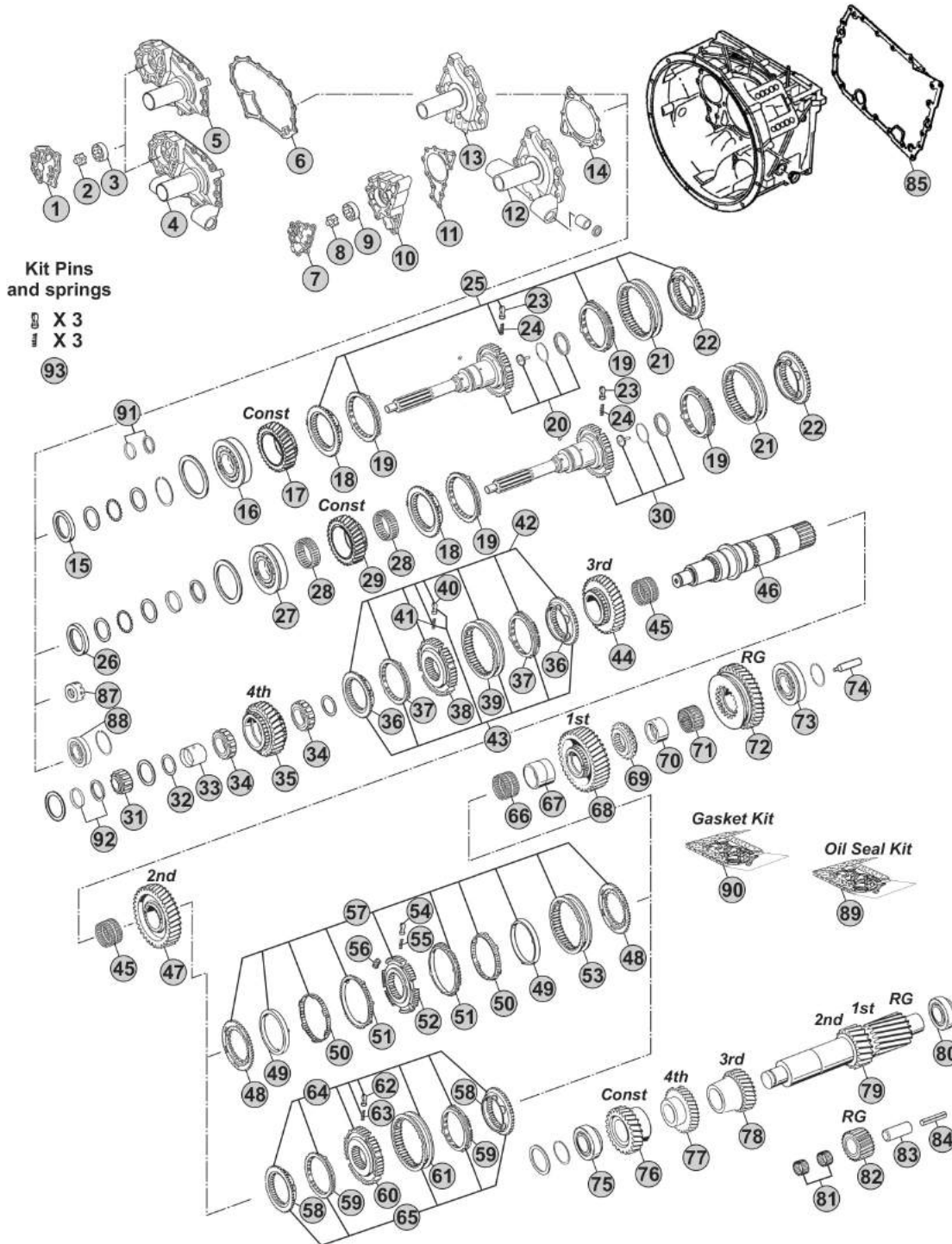
(10) Only for models w/out oil pump integrated into cover
 (40) To use with bearing 0750 117 011
 (41) To use with bearing 0750 117 009
 (1) Only for 1315 202 048
 (2) Only for 1315 221 002

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,85-0,84
- (C) R. 13,86-0,84
- (D) R. 16,47-1,00
- (E) R. 16,53-1,00

MODELS:

- ECOSPLIT III

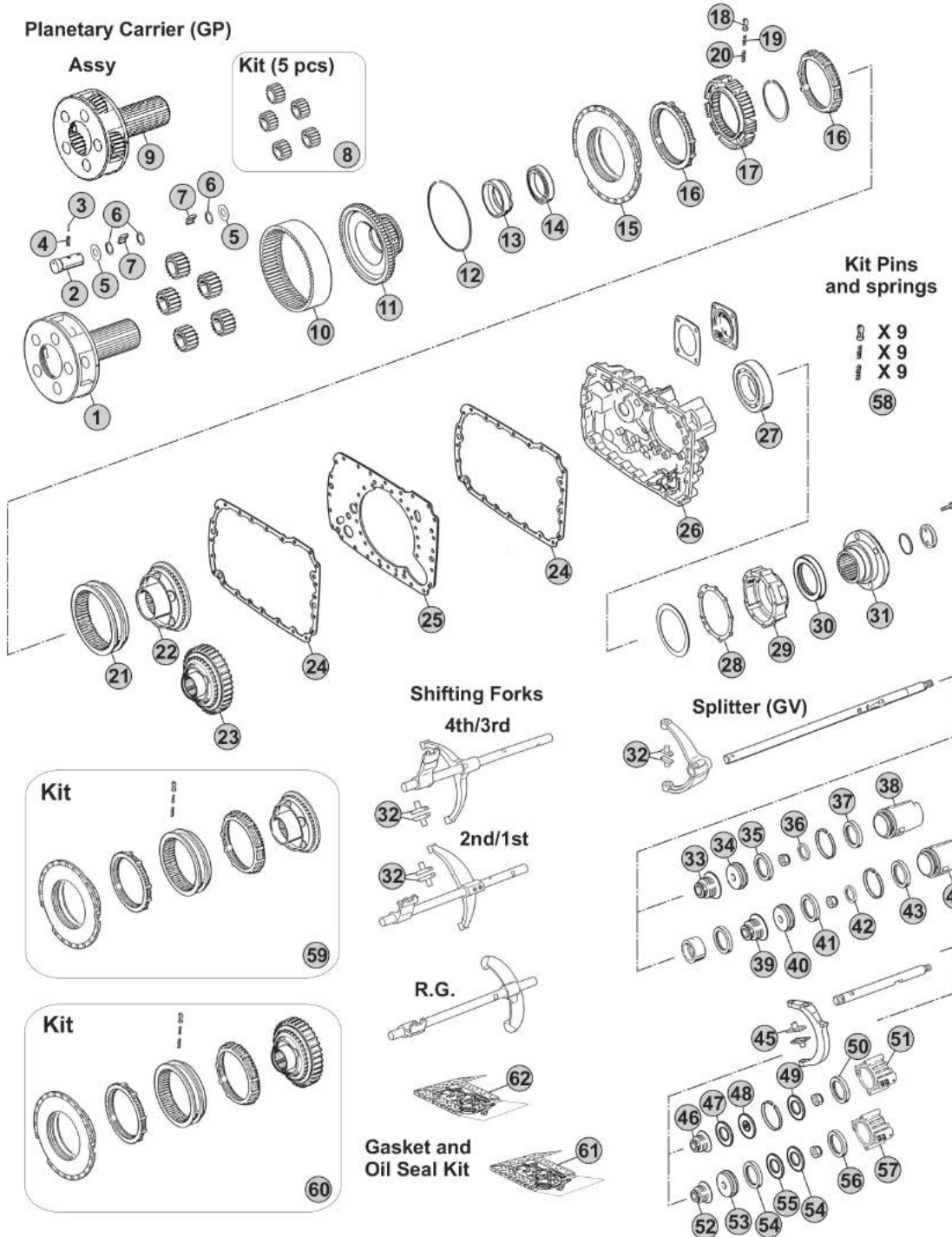
VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Straight Teeth)

Planetary Carrier (GP)

Assy

Kit (5 pcs)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,85-0,84
- (C) R. 13,86-0,84
- (D) R. 16,47-1,00
- (E) R. 16,53-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151			
1	190.393	1315 232 023	Planetary Carrier	1		●			
2	107.164	1296 332 005	Planet Shaft	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	ACD	●			
8	198.816	1315 232 001	Planetary Gear Set	1	BE	●			
9	298.865		Planetary Carrier	1	ACD	●			
9	298.866		Kit Planetary Carrier	1	BE	●			
10	123.208	1295 332 086	Crown Gear 86 T	1	ACD	●			
10	123.221	1315 332 003	Crown Gear 90 T	1	BE	●			
11	150.133	1313 332 020	Carrier Hub 86 T	1	ACD	●			
11	150.140	1315 332 002	Carrier hub 90 T	1	BE	●			
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) W/Retarder	●			
23	196.449	1315 233 031	Gear W/RET.	1	(61) W/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	197.165	1315 338 002	Output Flange	1		●			
31	197.251	1313 338 002	Output Flange	1		●			
31	197.252	1313 338 011	Output Flange	1		●			

 ECOSPLIT III
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Date

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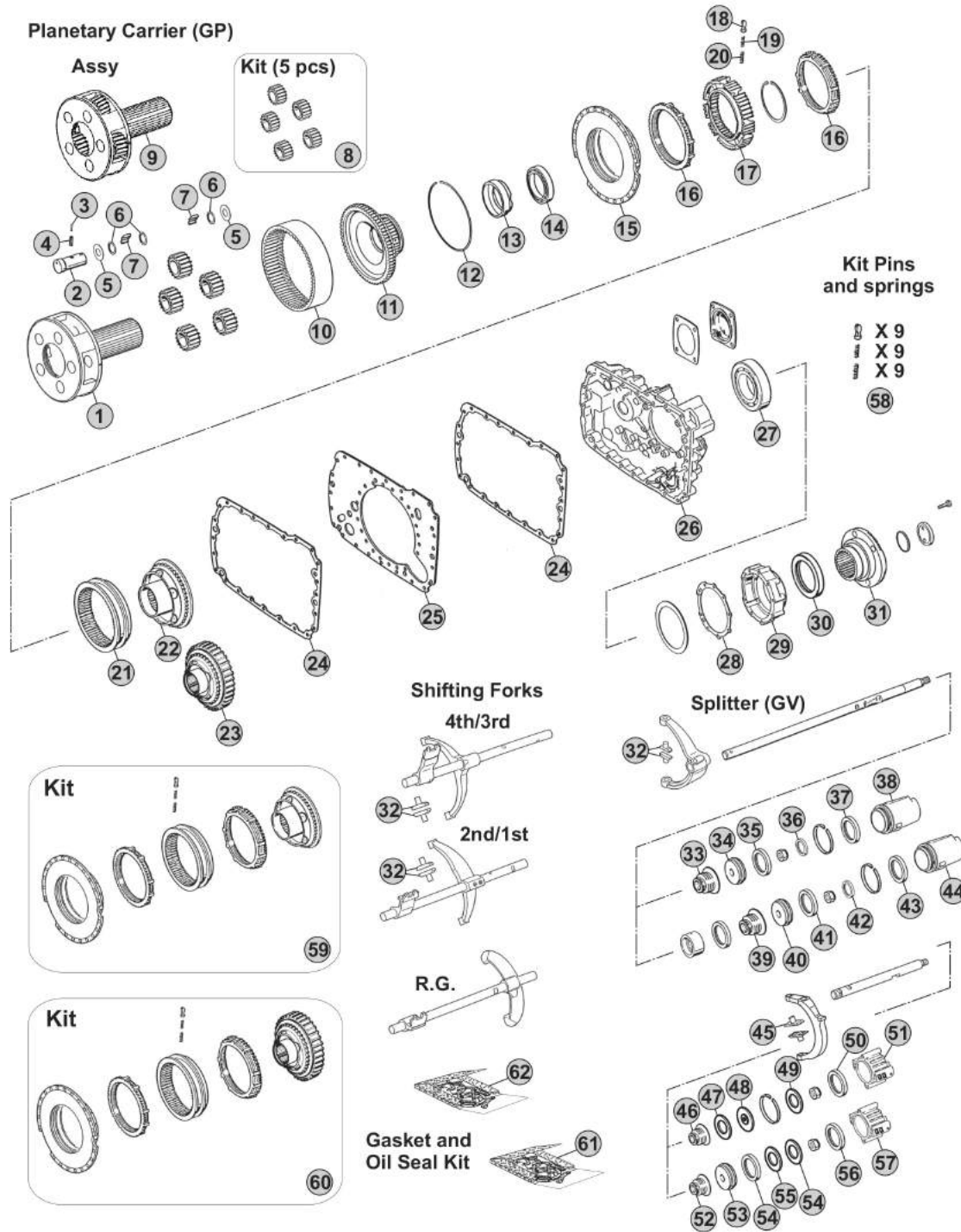
Notes(60) Only for old version
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Straight Teeth)



Notes

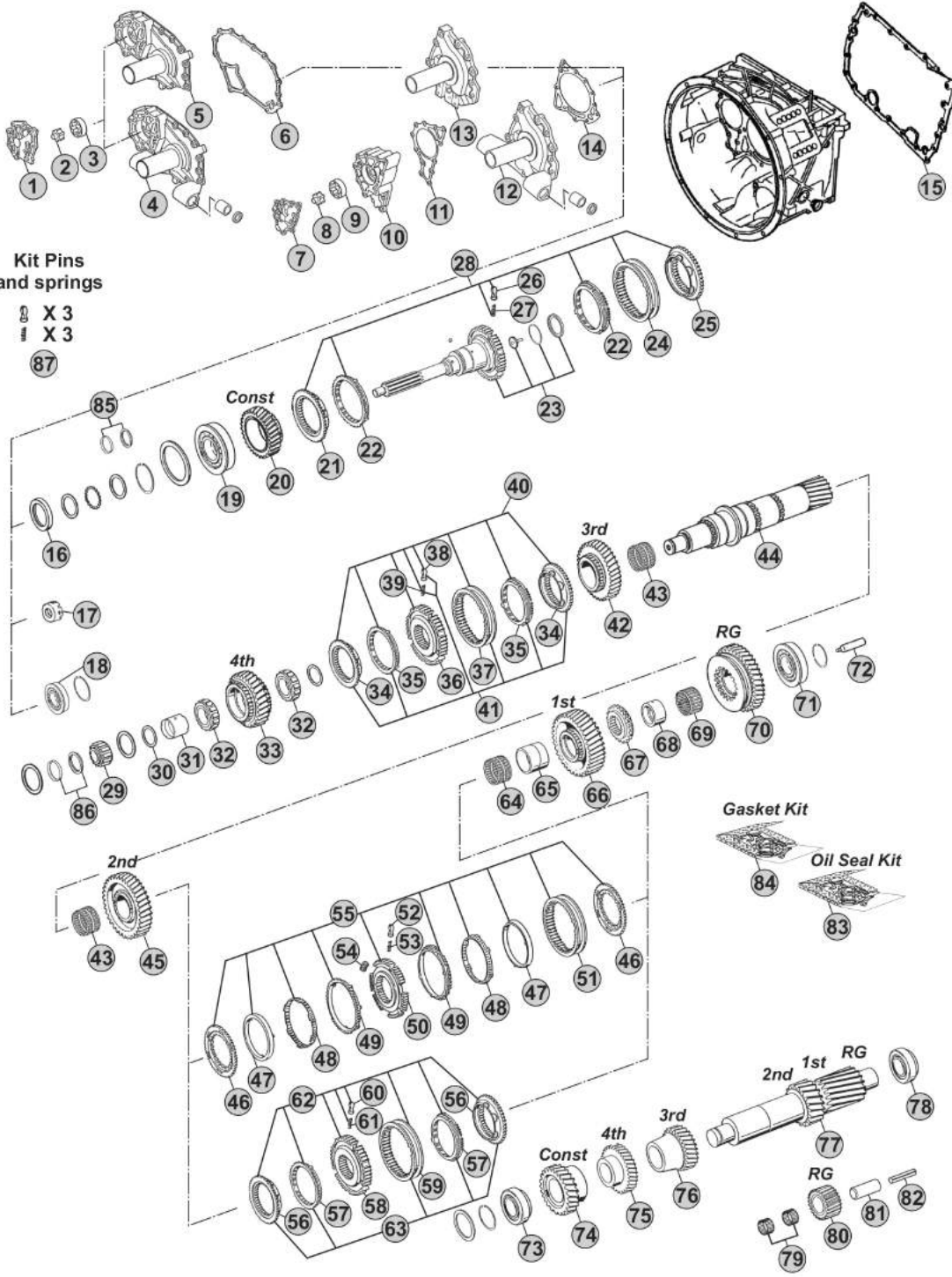
- (A) R. 13,80-0,84
- (B) R. 13,85-0,84
- (C) R. 13,86-0,84
- (D) R. 16,47-1,00
- (E) R. 16,53-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151			
1	135.247	1315 302 013	Cover	1		●			
2	189.677	1315 202 014	Rotor	1		●			
3	189.678	1315 303 027	Rotor	1		●			
4	128.324	1315 302 057	Front Cover	1		●			
5	135.249	1315 302 047	Front Cover	1		●			
6	139.651	0501 314 246	Gasket	1		●			
7	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		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.252	1315 202 058	Front Cover	1		●			
12	135.253	1315 202 061	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.255	1315 202 060	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	139.854	1315 301 233	Gasket	1		●			
16	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	139.871	0734 310 104	Oil Seal 52x68x8	1	(1)	●			
16	139.654	0734 319 514	Oil Seal 52x72x8	1	(2)	●			
17	126.033	4130 309 063	Disk	1		●			
18	130.394	0635 450 098	Bearing 52x90x33	1	(2)	●			
19	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
20	145.513	1315 302 173	Constant Gear 34 T	1	A	●			
20	145.556	1315 302 158	Constant Gear 35 T	1	B	●			
20	145.553	1315 302 157	Constant Gear 30 T	1	C	●			
21	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
21	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
21	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
22	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
22	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
22	119.308	1316 304 189	Synchronizer Ring	1	(51)	●			
22	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
23	190.304	1315 202 037	Input Shaft	1		●			
23	190.315	1315 202 040	Input Shaft	1		●			
23	190.317	1315 221 002	Input Shaft 57 T	1	NMV221 (Clutch PTO)	●			
23	190.511	1315 202 048	Input Shaft	1	WSK400	●			
24	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
24	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
25	109.133	1312 304 056	Synchronizer Cone	1	(50) W/Step	●			

 ECOSPLIT III
16S151
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Notes

(1) Only for 1315 202 048

(2) Only for 1315 221 002

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

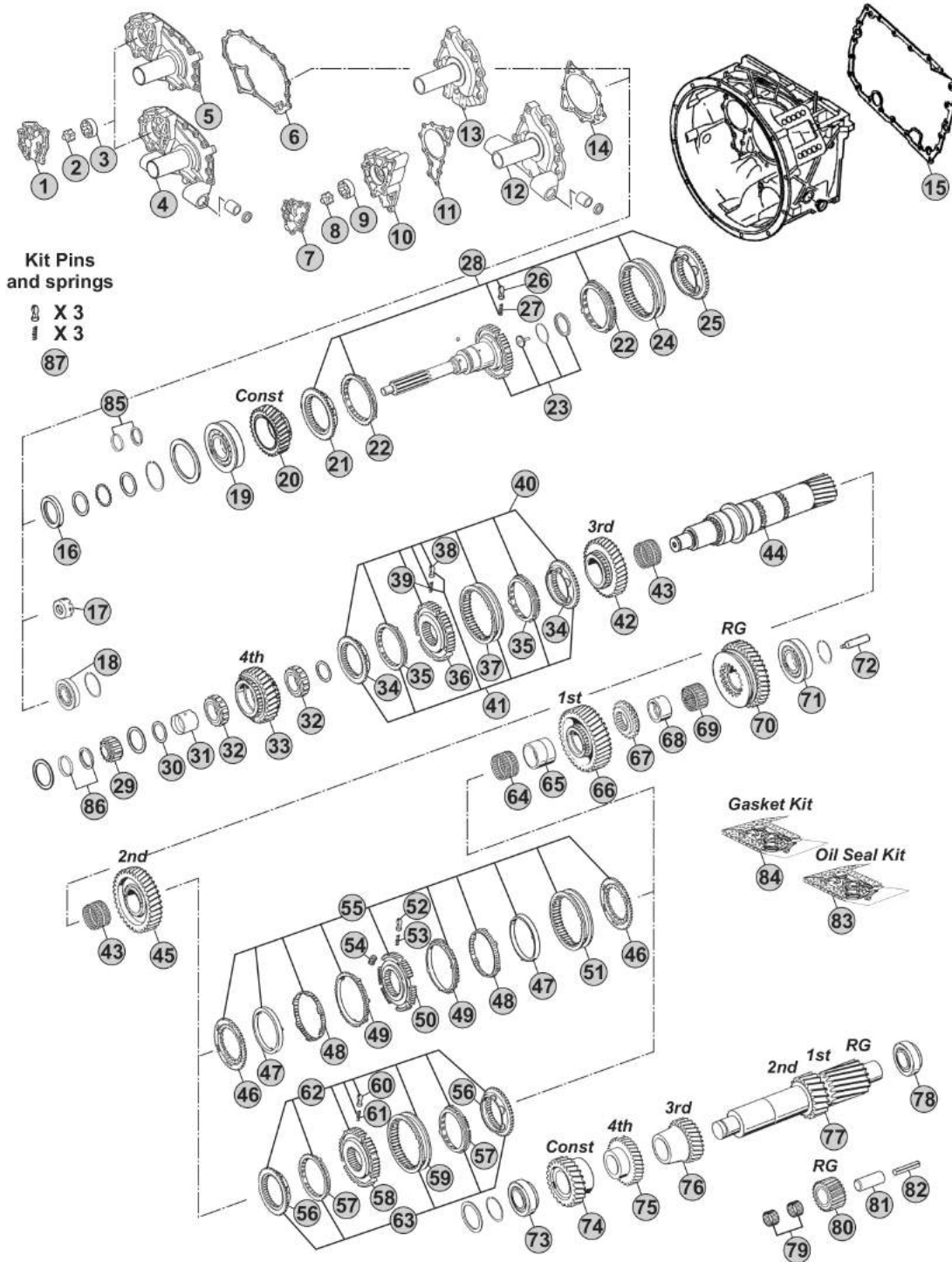
(52) Only for latest type with carbon rings - overdrive speeds

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151				
25	109.134	1312 304 027	Synchronizer Cone	1	(50) W/out Step	●				
25	109.839	1316 304 190	Synchronizer Cone	1	(51) W/out Step	●				
25	109.208	1356 304 025	Synchronizer Cone	1	(52) W/out Step	●				
26	160.189	1297 304 436	Pressure Piece	3		●				
27	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
28	298.319	1297 298 955	Synchro Kit	1	(50) W/Step	●				
28	298.169		Synchro Kit	1	(50) W/out Step	●				
28	298.288	1325 298 008	Synchro Kit	1	(51) W/out Step	●				
28	196.442	1316 298 037	Synchro Kit	1	(52) W/out Step	●				
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	146.431	1315 304 017	Gear 4th Speed 30 T	1	A	●				
33	146.320	1315 304 089	Gear 4th Speed 32 T	1	BC	●				
34	109.134	1312 304 027	Synchronizer Cone	2	(20)	●				
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	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●				
35	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
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	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
36	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
36	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
37	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
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	198.812	1315 298 018	Synchro Kit	1	(20)	●				
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	145.514	1315 304 028	Gear 3rd Speed 32 T	1	A	●				
42	145.456	1315 304 027	Gear 3rd Speed 34 T	1	BC	●				
43	137.137	0735 321 087	Needle Cage 92x100x53	2		●				
44	103.138	1315 304 131	Main Shaft	1		●				
45	145.455	1315 304 026	Gear 2nd Speed 37 T	1	A	●				
45	145.454	1315 304 025	Gear 2nd Speed 38 T	1	BC	●				

Date

09/2014

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

(20) Only for 3rd/4th Speed - First version - Do not mix

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

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

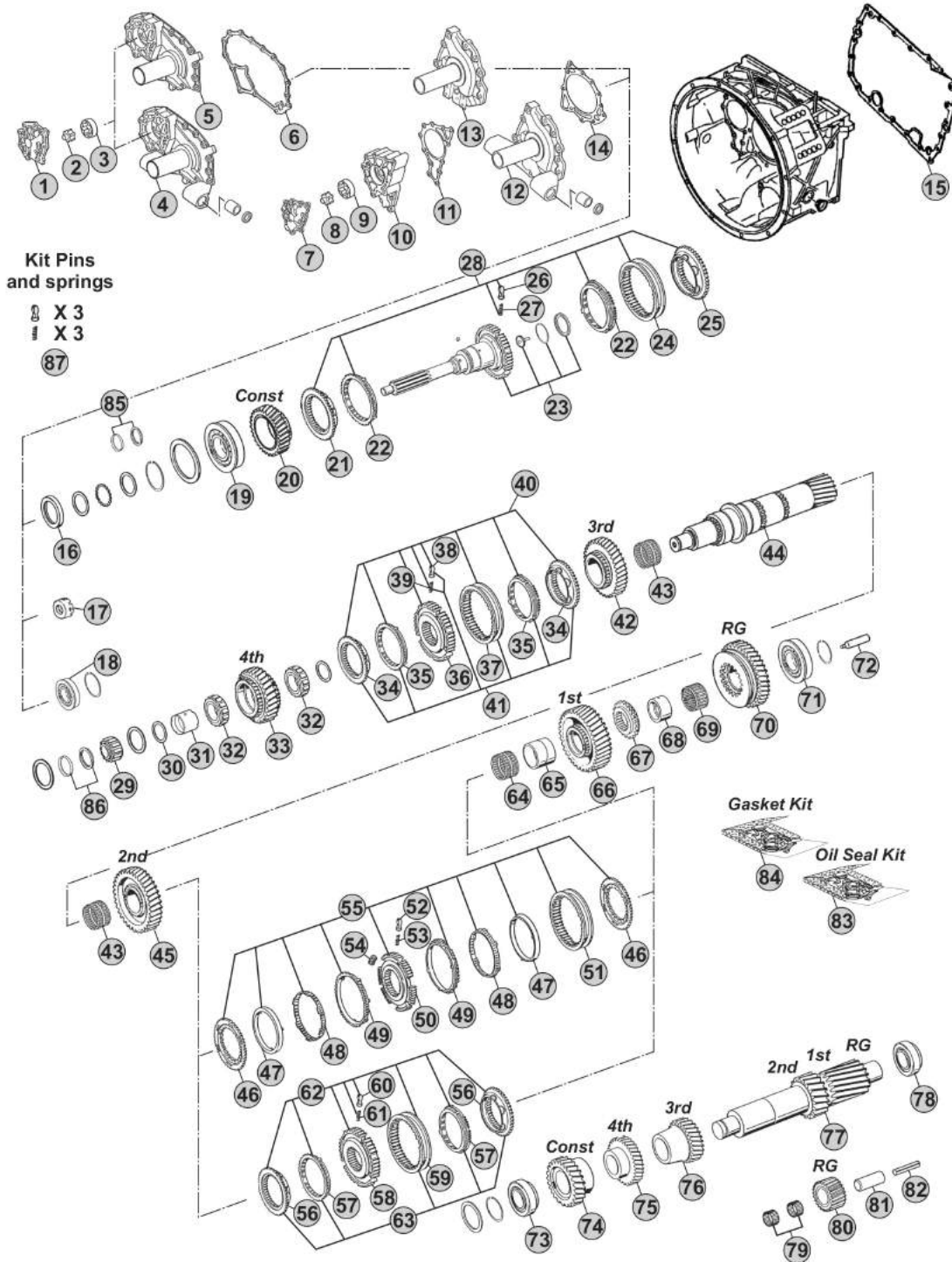
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) 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	16S151				
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)	●				
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	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
56	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
56	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
57	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
57	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
57	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
57	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
58	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
58	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
58	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
59	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
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	(31-32-33-34)	●				
61	156.140	0732 040 409	Spring De.6,5x23,50	3	(31-32-33-34)	●				
62	198.972	1313 298 909	Synchro Kit	1	(31)	●				
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	145.453	1315 304 014	Gear 1st Speed 44 T	1	A	●				
66	145.452	1315 304 004	Gear 1st Speed 47 T	1	BC	●				
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	147.124	1315 304 013	Reverse Gear 42 T	1	A	●				
70	147.123	1315 304 006	Reverse Gear 44 T	1	BC	●				
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	146.427	1315 303 052	Constant Gear 37 T	1	A	●				

 ECOSPLIT III
16S151
Date

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Notes

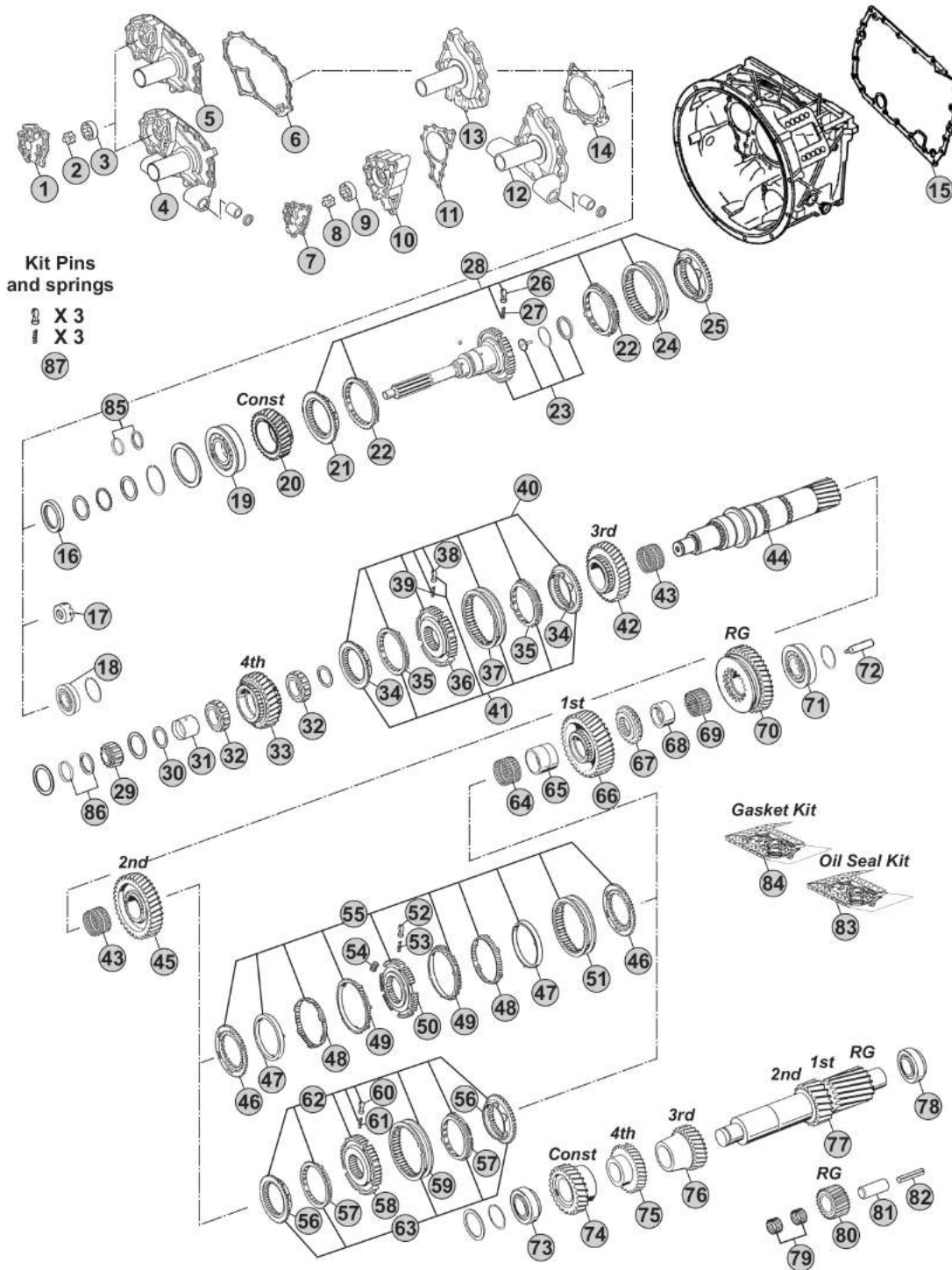
- (30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (31) Only for 1st/2nd speed - First version (single cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for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

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151				
74	146.473	1315 303 064	Constant Gear 32 T	1	B	●				
74	146.367	1315 303 008	Constant Gear 39 T	1	C	●				
75	146.429	1315 303 046	Gear 4th Speed 39 T	1	A	●				
75	146.474	1315 303 050	Gear 4th Speed 35 T	1	BC	●				
76	146.368	1315 303 010	Gear 3rd Speed 28 T	1	A	●				
76	146.365	1315 303 004	Gear 3rd Speed 26 T	1	BC	●				
77	105.109	1315 303 041	Countershaft 19/23 T	1	A	●				
77	105.216	1315 303 063	Countershaft 17/20 T	1	BC	●				
78	130.307	0750 117 011	Bearing 50,8x104,7x39,6	1	A	●				
78	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1	BC	●				
79	137.135	0750 115 366	Needle Cage 45x57x21	2		●				
80	147.142	1315 305 005	Reverse Gear 20 T	1	A	●				
80	147.126	1315 305 011	Reverse Gear 22 T	1	BC	●				
81	190.302	1315 305 009	Reverse Shaft	1		●				
82	160.282	0631 329 293	Pin	1	A	●				
82	160.290	0631 329 294	Pin	1	BC	●				
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	298.879	1499 298 038	Washers Kit	1		●				
85	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●				
85	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●				
85	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●				
85	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●				
86	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				
86	298.393	1499 298 026	Shims Kit Th=4,90mm	1		●				
86	298.394	1499 298 025	Shims Kit Th=4,80mm	1		●				
86	298.395	1499 298 024	Shims Kit Th=4,70mm	1		●				
86	298.396	1499 298 023	Shims Kit Th=4,60mm	1		●				
87	198.843		Spring Slide kit	1		●				

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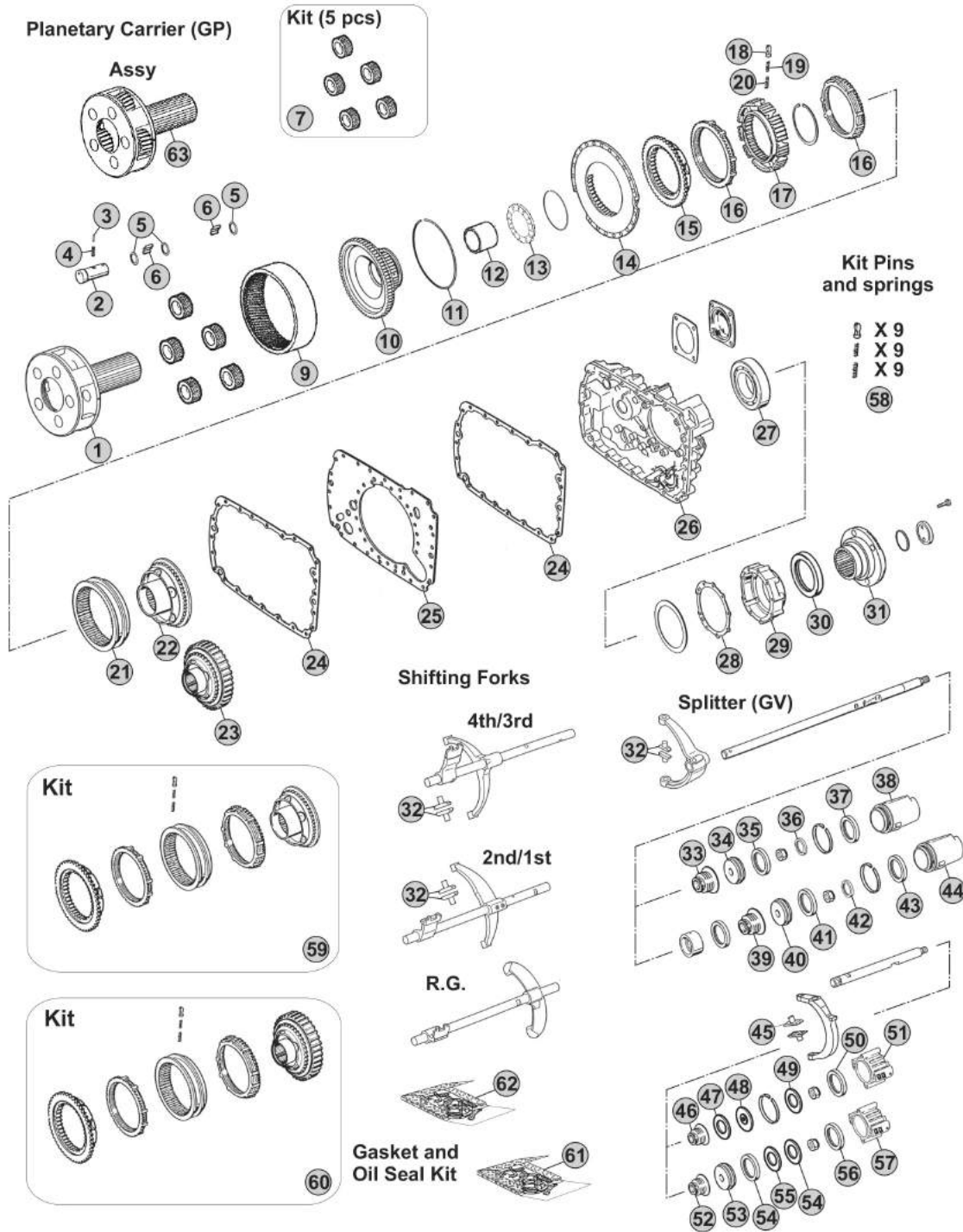


MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S151			
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	Planet Shaft	5	(70)	●			
2	107.255	1315 332 091	Planetary pin	5	(71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin	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	Spur ring gear 82 T	1		●			
10	150.136	1316 332 130	Carrier Hub 82 T	1		●			
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	1	(61)	●			
23	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●			
23	109.773	1316 233 028	Synchronizer Cone	1	(61)	●			
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	197.165	1315 338 002	Output Flange	1		●			
31	197.251	1313 338 002	Output Flange	1		●			

 ECOSPLIT III
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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

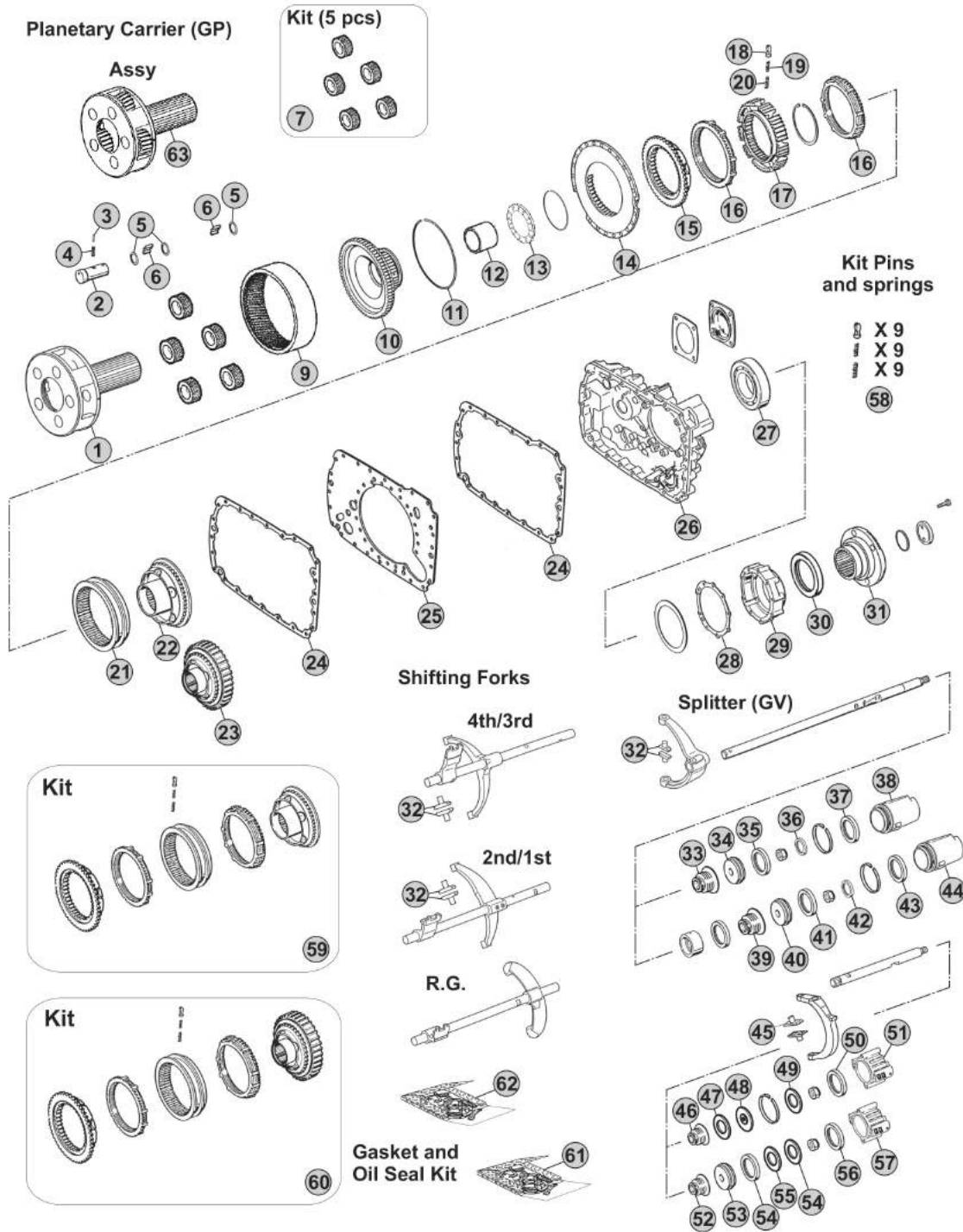
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S151 (1315 xxx xxx)
(GP Helical Teeth)



Notes

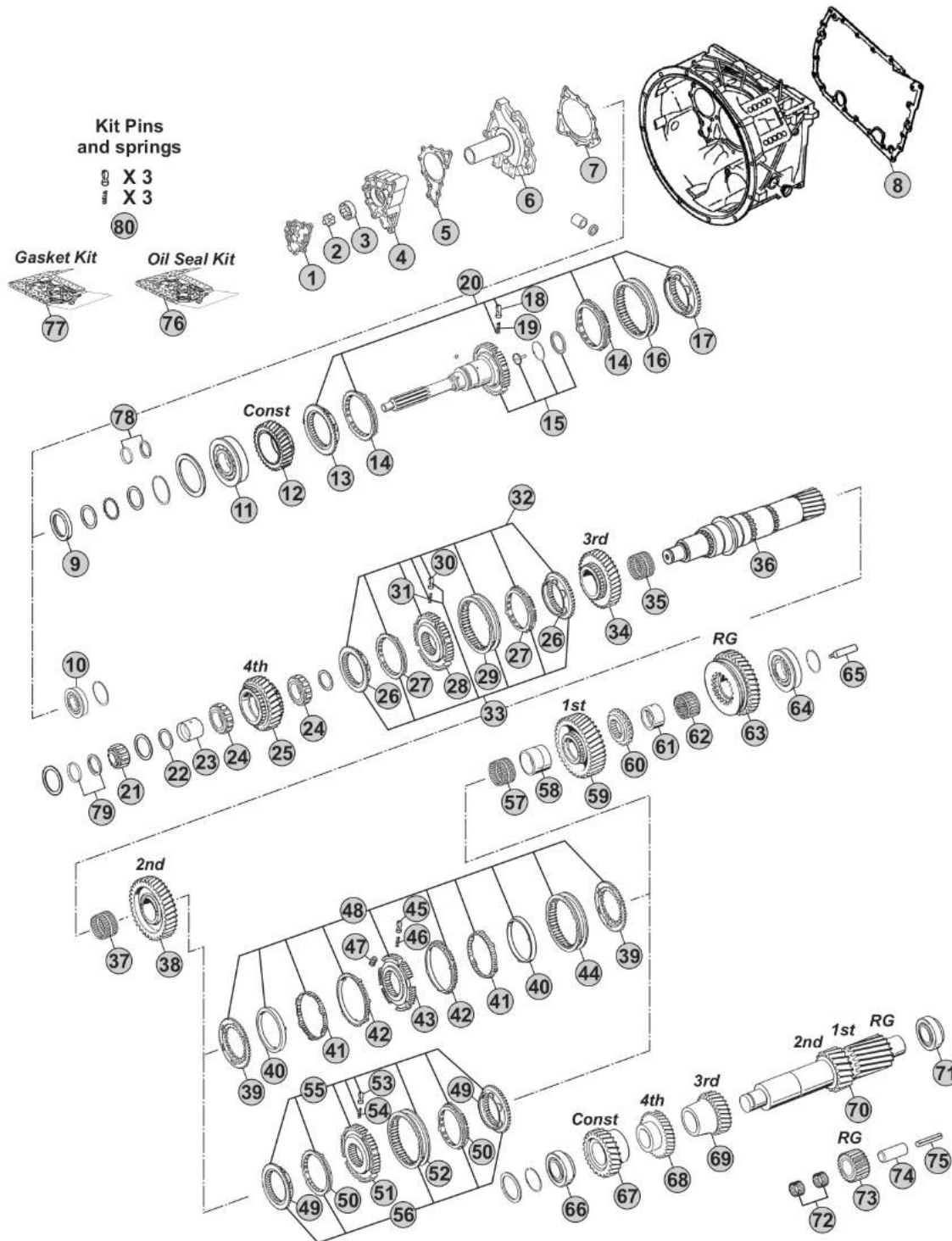
- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S181 (1316 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S181			
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		●			
4	189.691	1315 302 121	Oil Pump Housing	1		●			
5	139.652	1315 303 060	Gasket	1		●			
6	135.256	1315 302 075	Front Cover	1		●			
6	135.257	1315 302 136	Front Cover	1		●			
7	139.653	0501 314 587	Gasket	1		●			
8	139.854	1315 301 233	Gasket	1		●			
9	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
9	139.654	0734 319 514	Oil Seal 52x72x8	1	(1)	●			
10	130.394	0635 450 098	Bearing 52x90x33	1	(1)	●			
11	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
12	145.554	1316 302 067	Constant Gear 35 T	1	A	●			
12	145.483	1316 302 066	Constant Gear 30 T	1	B	●			
13	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
13	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
13	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
14	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
14	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
14	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
14	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
15	190.303	1316 202 025	Input Shaft 10 T	1		●			
15	190.300	1316 202 026	Input Shaft	1		●			
15	190.417	1316 202 038	Shaft Assy	1		●			
15	190.512	1316 221 017	Input Shaft	1	NMV221 (Clutch PTO)	●			
16	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
16	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
17	109.133	1312 304 056	Synchronizer Cone	1	(50) W/Step	●			
17	109.134	1312 304 027	Synchronizer Cone	1	(50) W/out Step	●			
17	109.839	1316 304 190	Synchronizer Cone	1	(51) W/out Step	●			
17	109.208	1356 304 025	Synchronizer Cone	1	(52) W/out Step	●			
18	160.189	1297 304 436	Pressure Piece	3		●			
19	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
20	298.319	1297 298 955	Synchro Kit	1	(50) W/Step	●			
20	298.169		Synchro Kit	1	(50) W/out Shim	●			
20	298.288	1325 298 008	Synchro Kit	1	(51) W/out Step	●			
20	196.442	1316 298 037	Synchro Kit	1	(52) W/out Step	●			
21	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
22	169.776	0750 101 158	Thrust Washer 81,5x5	1		●			
23	117.320	0750 119 124	Bush 67x77x66,10	1		●			
24	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
25	146.401	1316 304 103	Gear 4th Speed 32 T	1	AB	●			

 ECOSPLIT III
16S181
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Notes

(1) Only for 1316 221 017

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

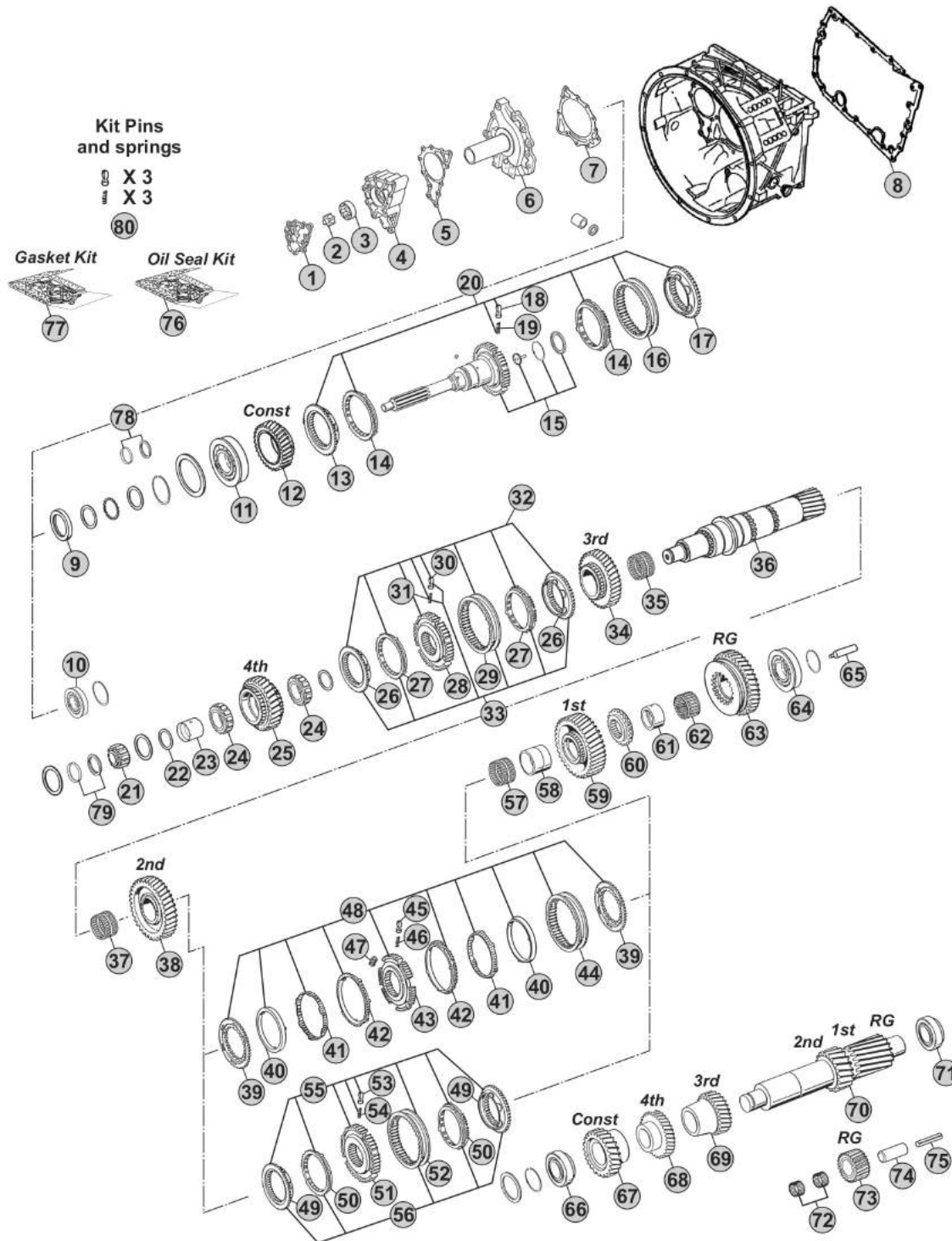
(52) Only for latest type with carbon rings - overdrive speeds

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S181 (1316 xxx xxx)
(GP Helical Teeth)



Notes

(A) R. 13,80-0,84

(B) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S181				
26	109.134	1312 304 027	Synchronizer Cone	2	(20)	●				
26	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
26	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
26	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
27	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●				
27	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
27	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
27	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
27	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
28	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
28	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
28	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
29	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
29	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
29	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
30	160.189	1297 304 436	Pressure Piece	3		●				
31	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
32	198.812	1315 298 018	Synchro Kit	1	(20)	●				
32	298.021	1315 298 061	Synchro Kit	1	(21)	●				
33	298.291	1315 298 067	Synchro Kit	1	(21)	●				
33	298.288	1325 298 008	Synchro Kit	1	(22)	●				
33	196.442	1316 298 037	Synchro Kit	1	(23)	●				
34	145.484	1316 304 094	Gear 3rd Speed 34 T	1	AB	●				
35	137.138	0750 115 303	Needle Cage 92x100x63	1		●				
36	103.130	1316 304 132	Main Shaft	1		●				
37	137.138	0750 115 303	Needle Cage 92x100x63	1		●				
38	145.474	1316 304 002	Gear 2nd Speed 38 T	1	AB	●				
39	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
40	119.152	1268 304 424	Intermediate Synchro Ring	2	(30)	●				
41	119.153	1268 304 494	Intermediate Synchro Ring	2	(30)	●				
42	119.144	1268 304 525	Synchronizer Ring	2	(30)	●				
43	157.181	1312 304 158	Synchronizer Hub	1	(30)	●				
44	154.190	1310 304 175	Sliding Sleeve	1	(30)	●				
45	160.189	1297 304 436	Pressure Piece	3	(30)	●				
46	156.140	0732 040 409	Spring De.6,5x23,50	3	(30)	●				
47	156.176	1312 304 159	Slide	3	(30)	●				
48	198.969	1312 298 911	Synchro Kit	1	(30)	●				
49	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
49	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
49	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
50	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
50	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
50	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				

Date

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Notes

(20) Only for 3rd/4th Speed - First version - Do not mix
 (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

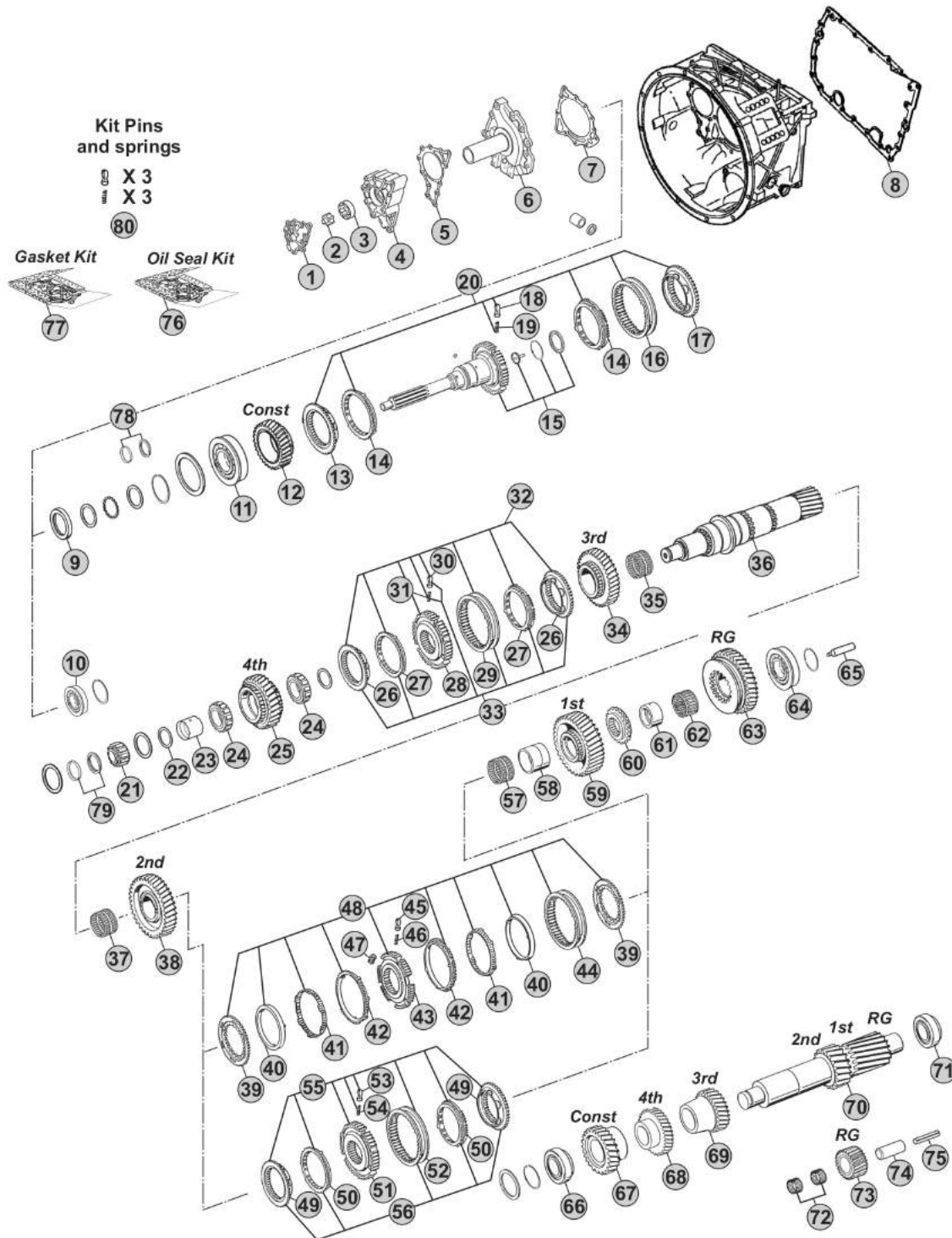
(31) Only for 1st/2nd speed - First version (single cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S181 (1316 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S181			
50	119.302	1316 304 173	Synchronizer Ring	2	(34)	●			
51	157.189	1313 304 008	Synchronizer Hub	1	(31)	●			
51	157.228	1316 304 163	Synchronizer Hub	1	(32)	●			
51	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●			
52	154.202	1316 304 078	Sliding Sleeve	1	(31)	●			
52	154.358	1316 304 169	Sliding Sleeve	1	(32)	●			
52	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●			
53	160.189	1297 304 436	Pressure Piece	3	(31-32-33-34)	●			
54	156.140	0732 040 409	Spring De.6,5x23,50	3	(31-32-33-34)	●			
55	198.972	1313 298 909	Synchro Kit	1	(31)	●			
55	298.020	1315 298 060	Synchro Kit	1	(32)	●			
56	298.286	1315 298 066	Synchro Kit	1	(32)	●			
56	298.287	1325 298 007	Synchro Kit	1	(33)	●			
56	196.440	1316 298 036	Synchro Kit	1	(34)	●			
57	137.151	0750 115 327	Needle Cage 96x104x72	1		●			
58	117.310	1312 304 084	Bush 85x96x72	1		●			
59	145.475	1316 304 010	Gear 1st Speed 47 T	1	AB	●			
60	109.163	1312 304 124	Engaging Ring	1		●			
61	117.311	1316 304 133	Bush 80x90x50	1		●			
62	137.140	0750 115 326	Roller Cage 90x98x50	1		●			
63	147.128	1316 304 012	Reverse Gear 44 T	1	AB	●			
64	130.304	0750 117 678	Bearing 80x140x36,50	1		●			
65	188.209	1312 304 150	Oil Tube	1		●			
66	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
67	146.485	1316 303 070	Constant Gear 32 T	1	(80) A	●			
67	146.780	1316 303 071	Constant Gear 32 D	1	(81) A	●			
67	146.398	1316 303 055	Constant Gear 39 T	1	(80) B	●			
67	146.486	1316 303 030	Costant Gear 39 T	1	(81) B	●			
68	146.399	1316 303 063	Gear 4th Speed 35 T	1	(80) AB	●			
68	146.426	1316 303 065	Gear 4th Speed 35 T	1	(81) AB	●			
69	146.400	1316 303 058	Gear 3rd Speed 26 T	1	AB	●			
70	105.100	1316 303 033	Countershaft 17/20 T	1	AB	●			
71	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
72	137.149	0750 115 369	Needle Cage 45x57x25	2		●			
73	147.127	1316 305 001	Reverse Gear 22 T	1	AB	●			
74	190.302	1315 305 009	Reverse Shaft	1		●			
75	160.301	0631 329 296	Pin	1	AB	●			
76	198.838	1315 298 002	Oil Seal Kit	1		●			
77	198.797	1315 298 001	Gasket Kit	1	Paper	●			
77	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●			
78	298.879	1499 298 038	Washers Kit	1		●			
78	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●			
78	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●			

 ECOSPLIT III
16S181
Date

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Notes

(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

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

(80) Only for the 1st version with Constant gear flat plane

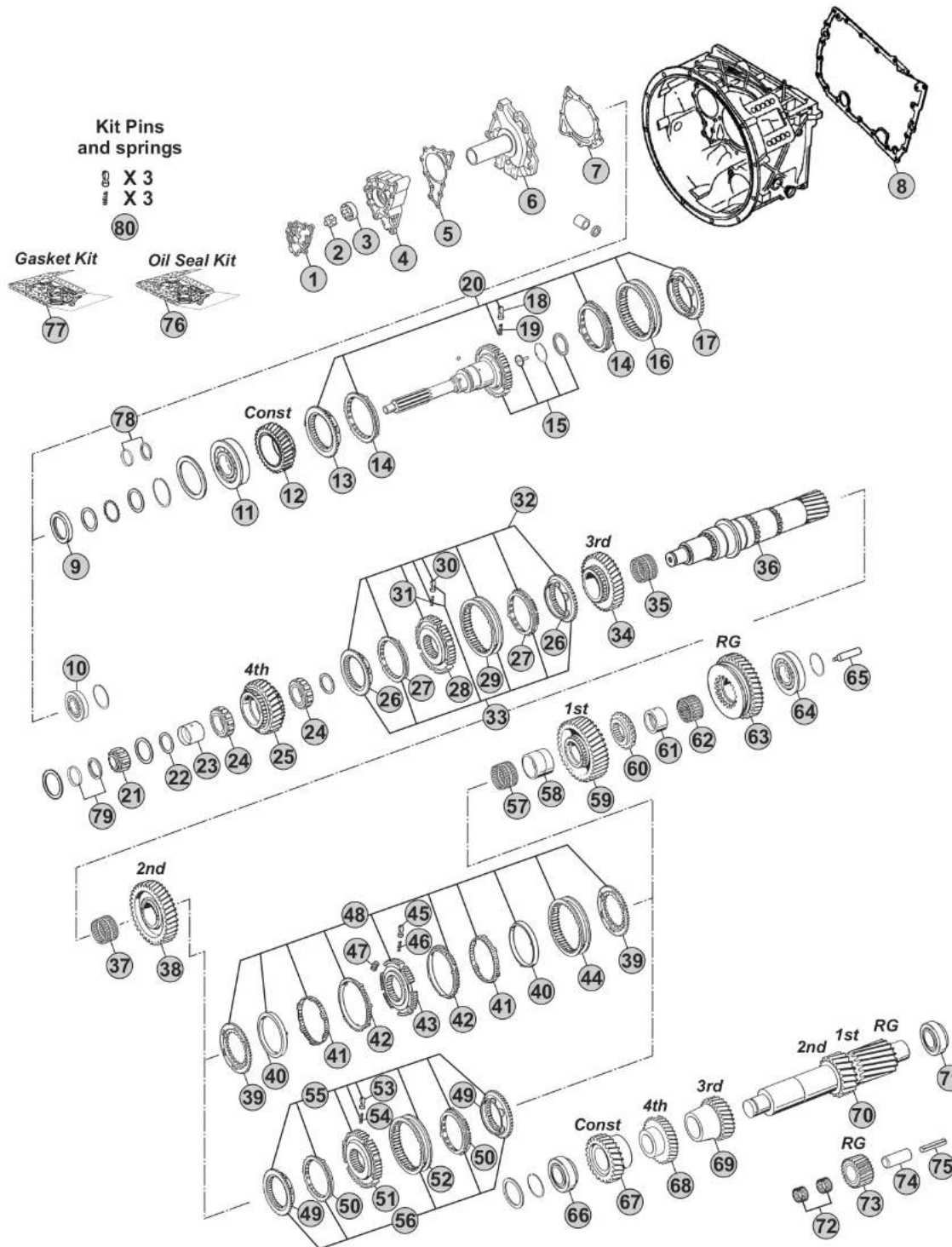
(81) Only for the 1st version with constant gear with lightened diameter

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S181 (1316 xxx xxx)
(GP Helical Teeth)



Notes

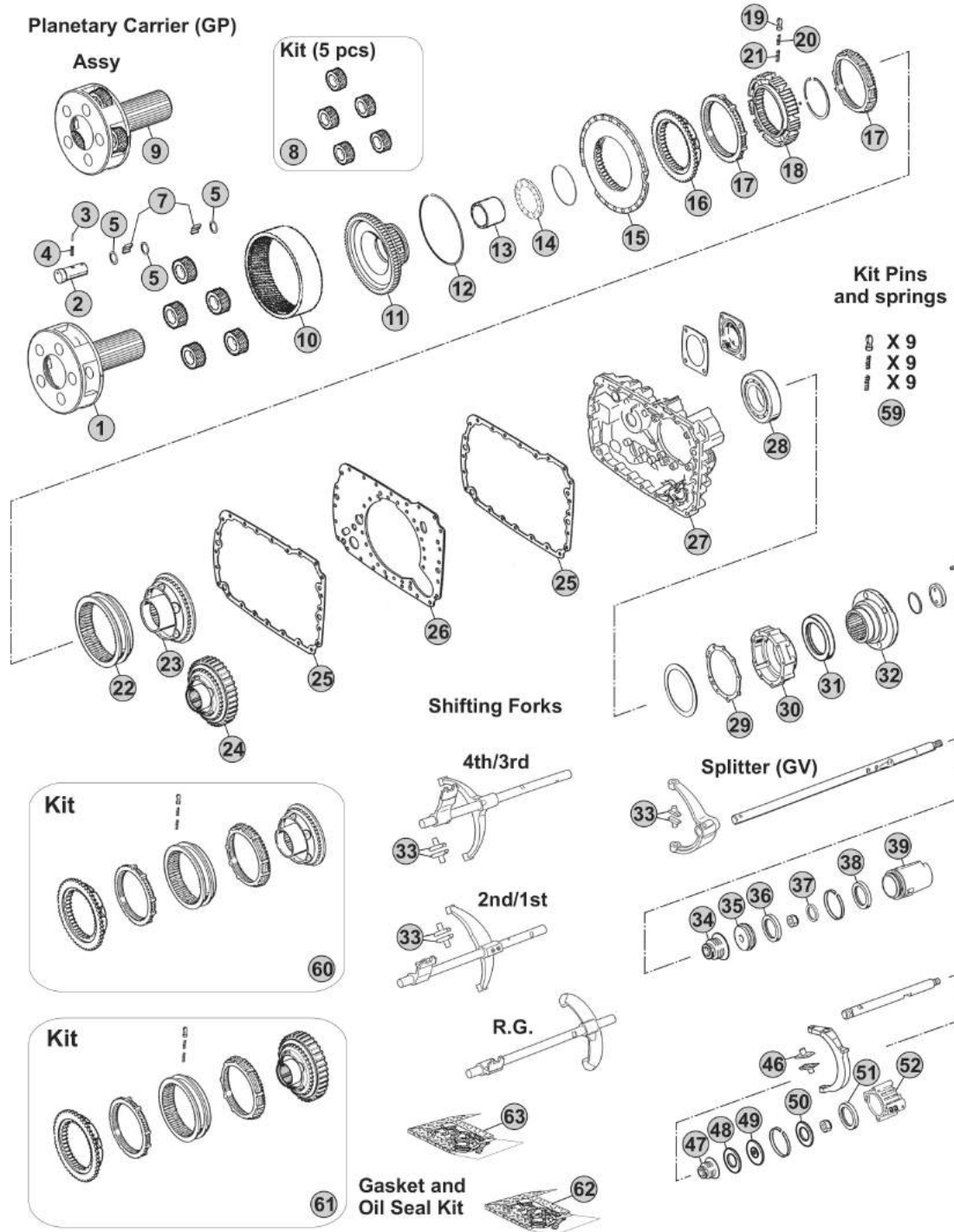
- (A) R. 13,80-0,84
- (B) R. 16,41-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S181 (1316 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,80-0,84
- (B) 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	16S181			
1	190.325	1316 232 019	Planetary Carrier	1	(70)	●			
1	190.394	1315 232 017	Planetary Carrier	1	(2-70)	●			
1	190.505	1316 232 039	Planetary Carrier	1	(71)	●			
1	190.504	1315 232 027	Planetary Carrier	1	(2-71)	●			
2	107.204	1316 332 096	Planet Shaft	5	(70)	●			
2	107.159	1315 332 053	Planet Shaft	5	(2-70)	●			
2	107.256	1316 332 140	Planerary pin	5	(71)	●			
2	107.255	1315 332 091	Planerary pin	5	(2-71)	●			
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
3	160.288	0631 329 261	Pin	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
5	169.744	0730 107 168	Spacer Ring	10	(2)	●			
6	269.010	0730 109 309	Spacer Ring	5		●			
6	169.744	0730 107 168	Spacer Ring	5	(2)	●			
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
8	198.798	1315 232 010	Planetary gear set (5 pcs)	1	(2)	●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
9	298.862		Planetary Carrier Assy	1	(2-71)	●			
10	123.211	1315 332 041	Spur ring gear 82 T	1		●			
11	150.136	1316 332 130	Carrier Hub 82 T	1		●			
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	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●			
24	109.773	1316 233 028	Synchronizer Cone	1	(61)	●			
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		●			

 ECOSPLIT III
16S181
Date

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Notes

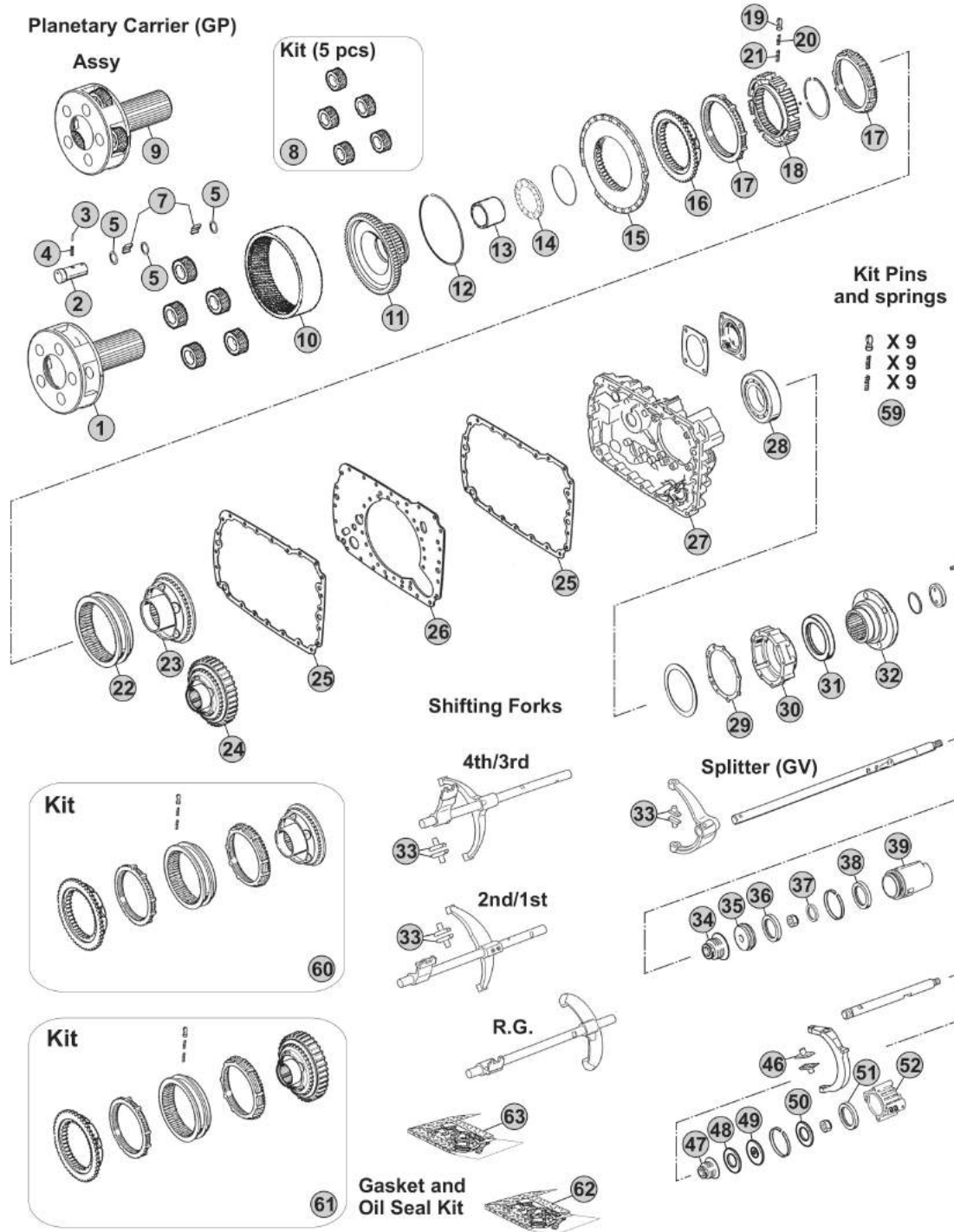
- (70) Standard version - Changing Planetary carrier
 (2) Only for special version that uses the GP of 16S151
 (71) Latest type -Changing Planetary carrier
 (60) Only for old version
 (61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S181 (1316 xxx xxx)
(GP Helical Teeth)



Notes

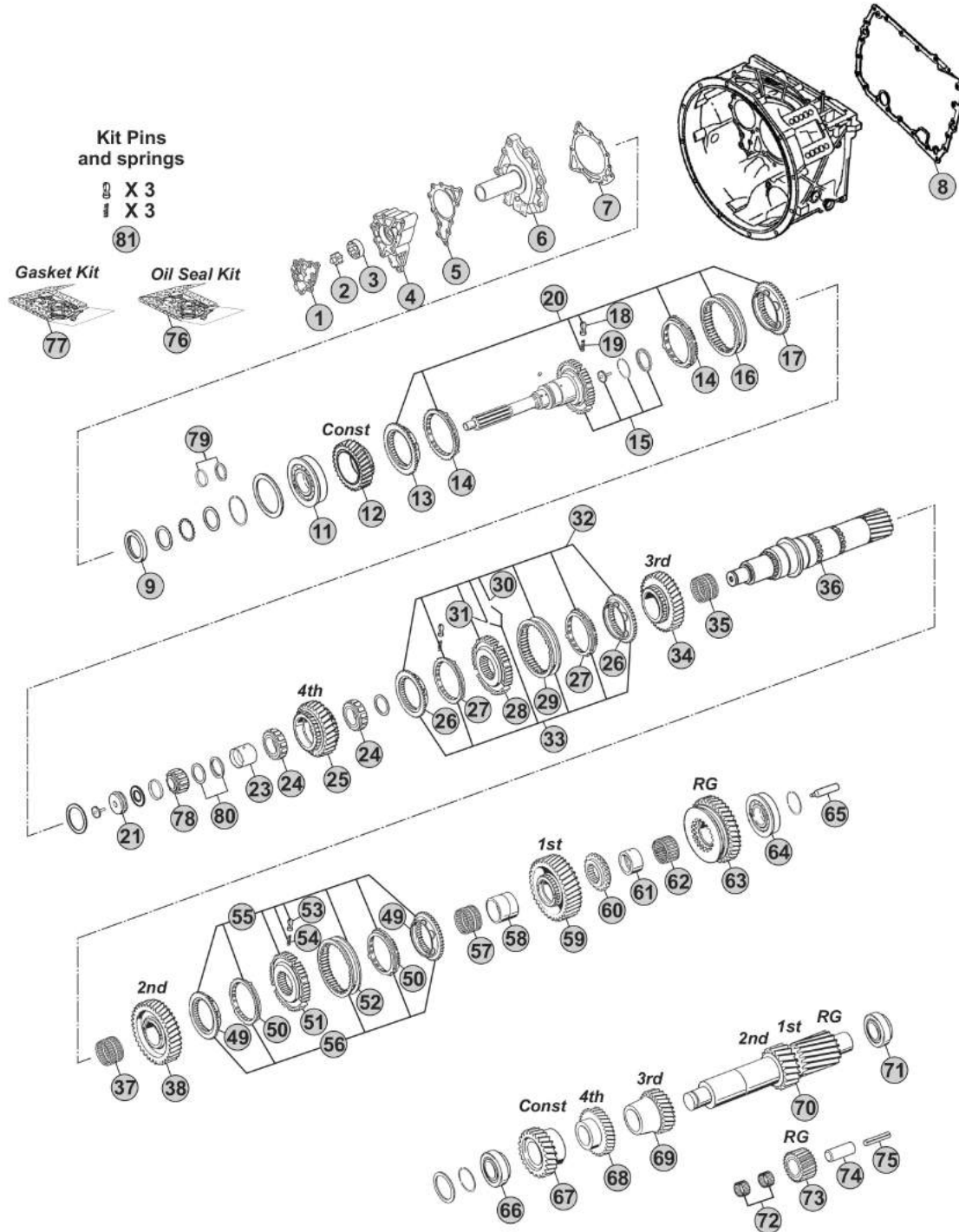
- (A) R. 13,80-0,84
- (B) R. 16,41-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S182 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S182 R. 16,41-1,00

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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		●				
4	189.691	1315 302 121	Oil Pump Housing	1		●				
5	139.652	1315 303 060	Gasket	1		●				
6	135.257	1315 302 136	Front Cover	1		●				
7	139.653	0501 314 587	Gasket	1		●				
8	139.854	1315 301 233	Gasket	1		●				
9	139.879	0734 310 387	Oil Seal 55x75x8	1		●				
11	130.414	0750 117 773	Bearing 85x150x30,5	1		●				
12	145.483	1316 302 066	Constant Gear 30 T	1		●				
13	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
13	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
13	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
14	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●				
14	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●				
14	119.308	1316 304 189	Synchronizer Ring	2	(51)	●				
14	119.327	1316 304 196	Synchronizer Ring	2	(52)	●				
15	102.666	1316 202 040	Input Shaft	1		●				
16	154.135	1310 304 202	Sliding Sleeve	1	(50)	●				
16	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●				
17	109.134	1312 304 027	Synchronizer Cone	1	(50)	●				
17	109.839	1316 304 190	Synchronizer Cone	1	(51)	●				
17	109.208	1356 304 025	Synchronizer Cone	1	(52)	●				
18	160.189	1297 304 436	Pressure Piece	3		●				
19	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
20	298.169		Synchro Kit	1	(50)	●				
20	298.288	1325 298 008	Synchro Kit	1	(51)	●				
20	196.442	1316 298 037	Synchro Kit	1	(52)	●				
21	137.395	0735 368 084	Needle Cage	1		●				
22	169.776	0750 101 158	Thrust Washer 81,5x5	1		●				
23	117.320	0750 119 124	Bush 67x77x66,10	1		●				
24	137.136	0750 115 531	Roller Cage 77x101x29	2		●				
25	146.401	1316 304 103	Gear 4th Speed 32 T	1		●				
26	109.385	1316 304 159	Synchronizer Cone	2	(21)	●				
26	109.839	1316 304 190	Synchronizer Cone	2	(22)	●				
26	109.208	1356 304 025	Synchronizer Cone	2	(23)	●				
27	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
27	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
27	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
28	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
28	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
29	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				

 ECOSPLIT III
16S182
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

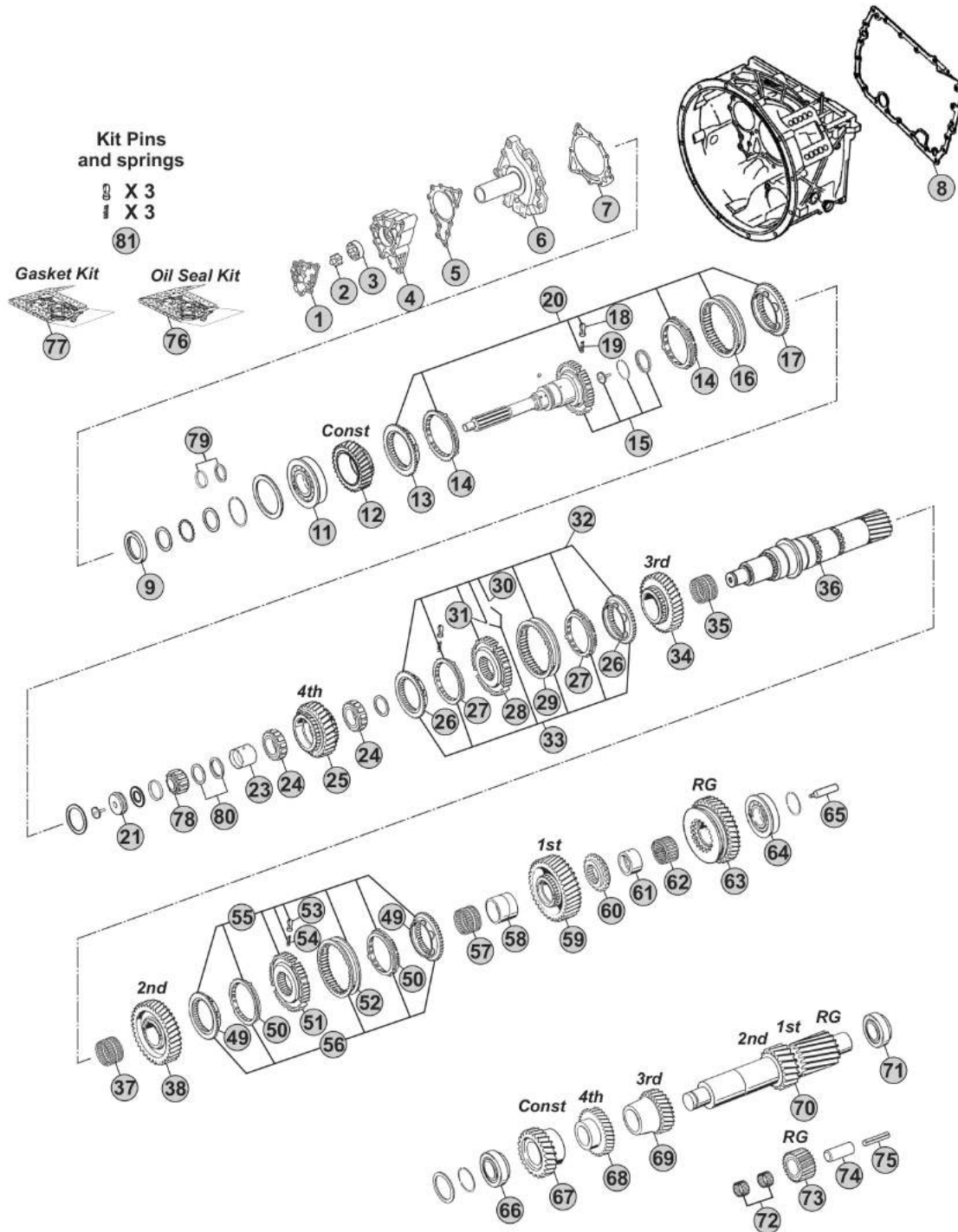
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S182 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S182 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S182				
29	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
30	160.189	1297 304 436	Pressure Piece	3		●				
31	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
32	298.021	1315 298 061	Synchro Kit	1	(21)	●				
33	298.291	1315 298 067	Synchro Kit	1	(21)	●				
33	298.288	1325 298 008	Synchro Kit	1	(22)	●				
33	196.442	1316 298 037	Synchro Kit	1	(23)	●				
34	145.484	1316 304 094	Gear 3rd Speed 34 T	1		●				
35	137.138	0750 115 303	Needle Cage 92x100x63	1		●				
36	103.290	1316 304 118	Main Shaft 38/44/41/23 T	1		●				
37	137.138	0750 115 303	Needle Cage 92x100x63	1		●				
38	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
49	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
49	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
50	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
50	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
51	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
51	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
52	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
52	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
53	160.189	1297 304 436	Pressure Piece	3		●				
54	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
55	298.020	1315 298 060	Synchro Kit	1	(32)	●				
56	298.286	1315 298 066	Synchro Kit	1	(32)	●				
56	298.287	1325 298 007	Synchro Kit	1	(33)	●				
56	196.440	1316 298 036	Synchro Kit	1	(34)	●				
57	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
58	117.310	1312 304 084	Bush 85x96x72	1		●				
59	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
60	109.163	1312 304 124	Engaging Ring	1		●				
61	117.311	1316 304 133	Bush 80x90x50	1		●				
62	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
63	147.128	1316 304 012	Reverse Gear 44 T	1		●				
64	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
65	188.209	1312 304 150	Oil Tube	1		●				
66	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
67	146.486	1316 303 030	Costant Gear 39 T	1		●				
68	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
69	146.400	1316 303 058	Gear 3rd Speed 26 T	1		●				
70	105.100	1316 303 033	Countershaft 17/20 T	1		●				
71	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
72	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
73	147.127	1316 305 001	Reverse Gear 22 T	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

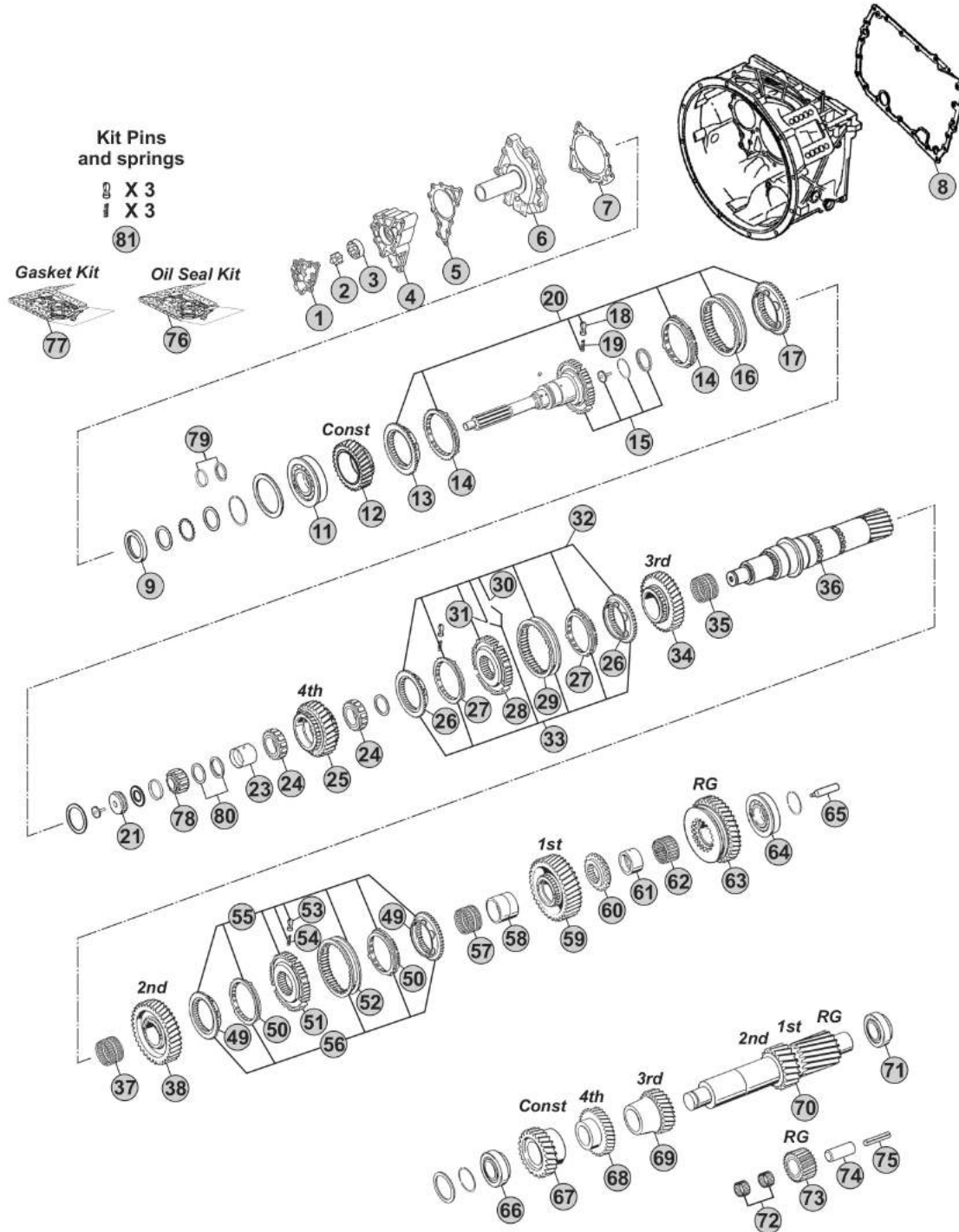
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S182 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S182 R. 16,41-1,00

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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	Planet Shaft	5	(70)	●				
2	107.255	1315 332 091	Planetary pin	5	(71)	●				
3	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●				
3	160.288	0631 329 261	Pin	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin	5	(71)	●				
5	169.744	0730 107 168	Spacer Ring	15		●				
7	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
8	198.798	1315 232 010	Planetary gear set (5 pcs)	1		●				
9	298.862		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Spur ring gear 82 T	1		●				
11	150.136	1316 332 130	Carrier Hub 82 T	1		●				
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	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●				
24	109.773	1316 233 028	Synchronizer Cone	1	(61)	●				
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		●				
33	141.163	1297 306 120	Slide	2	Old Type	●				
33	141.168	1316 306 015	Sliding pad	2	New Type	●				

 ECOSPLIT III
16S182
Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

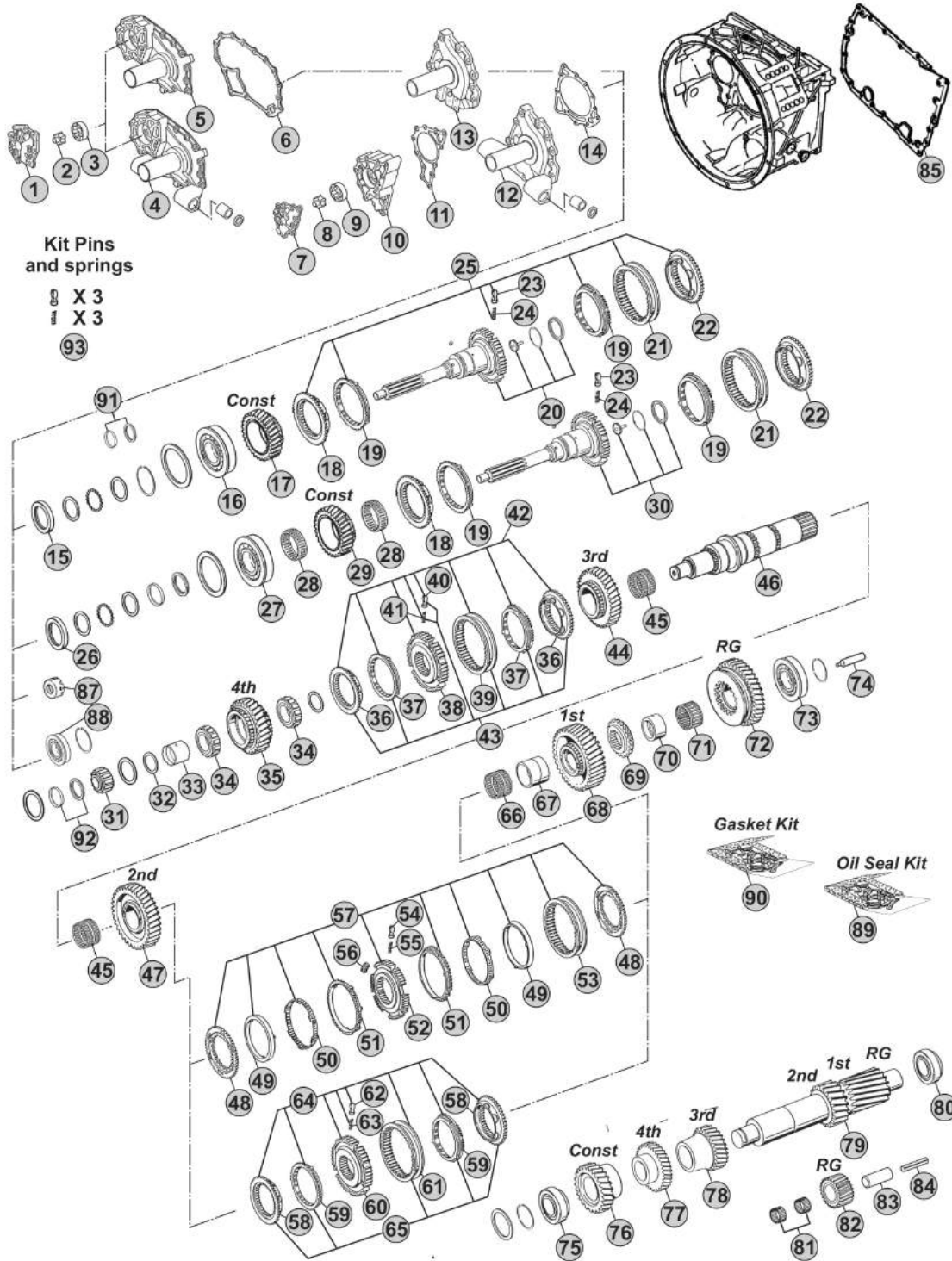
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,86-0,84
- (C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S221			
1	135.247	1315 302 013	Cover	1		●			
2	189.677	1315 202 014	Rotor	1		●			
3	189.678	1315 303 027	Rotor	1		●			
4	298.867	1315 202 053	Front cover assy	1	Assy	●			
5	135.248	1315 302 045	Front Cover	1		●			
5	135.249	1315 302 047	Front Cover	1		●			
5	135.250	1315 302 113	Front Cover	1		●			
6	139.651	0501 314 246	Gasket	1		●			
7	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		●			
12	135.251	1315 202 055	Front Cover	1		●			
12	135.252	1315 202 058	Front Cover	1		●			
12	135.253	1315 202 061	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
12	135.255	1315 202 060	Front Cover	1	W/WSK400	●			
13	135.256	1315 302 075	Front Cover	1		●			
13	135.257	1315 302 136	Front Cover	1		●			
13	135.258	1315 302 181	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
15	139.871	0734 310 104	Oil Seal 52x68x8	1	(1)	●			
15	139.654	0734 319 514	Oil Seal 52x72x8	1	(2)	●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.487	1316 302 065	Constant Gear 34 T	1	A	●			
17	145.554	1316 302 067	Constant Gear 35 T	1	B	●			
17	145.483	1316 302 066	Constant Gear 30 T	1	C	●			
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 10 T	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
20	190.536	1316 202 029	Input Shaft	1		●			
20	190.537	1316 202 030	Input Shaft	1		●			
20	190.538	1316 202 031	Input Shaft	1		●			
20	190.539	1316 202 032	Input Shaft	1		●			
20	190.540	1316 202 036	Input Shaft	1		●			

 ECOSPLIT III
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Notes

(1) Only for 1316 202 033

(2) Only for 1316 221 017 - 1316 221 018

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

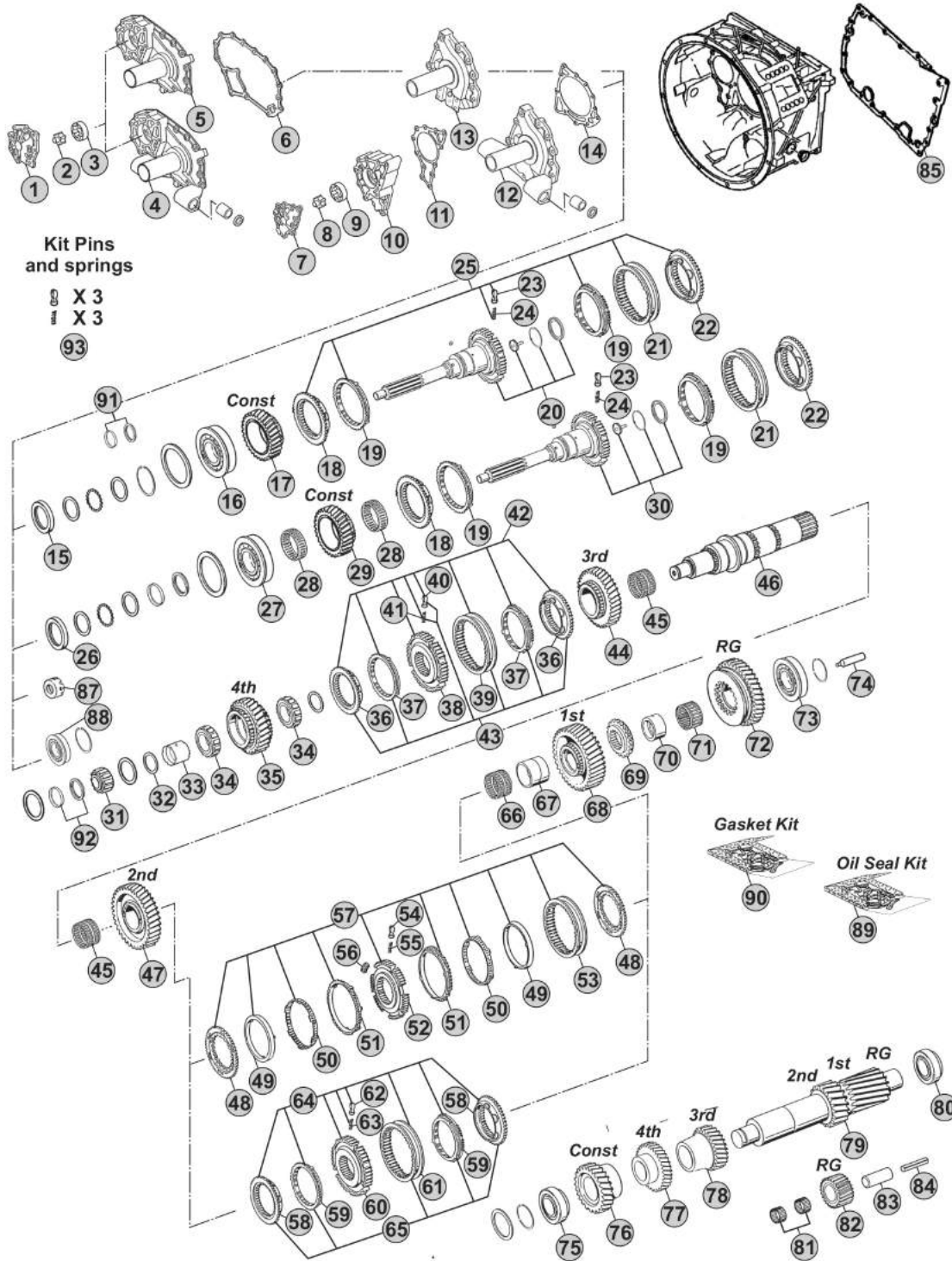
(52) Only for latest type with carbon rings - overdrive speeds

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,86-0,84
- (C) R. 16,47-1,00

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	16S221			
20	102.412	1316 202 037	Input Shaft Assy	1		●			
20	190.417	1316 202 038	Shaft Assy	1		●			
20	190.541	1316 202 039	Input Shaft	1		●			
20	102.566	1316 202 045	Input Shaft 57 T	1		●			
20	190.310	1316 202 033	Input Shaft 57 T Assy	1	WSK	●			
20	190.512	1316 221 017	Input Shaft	1	NMV	●			
20	190.542	1316 221 018	Input Shaft	1	NMV	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.133	1312 304 056	Synchronizer Cone	1	(50) W/Step	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50) W/out Step	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51) W/out Step	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52) W/out Step	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.319	1297 298 955	Synchro Kit	1	(50) W/Step	●			
25	298.169		Synchro Kit	1	(50) W/out Step	●			
25	298.288	1325 298 008	Synchro Kit	1	(51) W/out Step	●			
25	196.442	1316 298 037	Synchro Kit	1	(52) W/out Step	●			
26	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
27	130.306	0750 117 431	Bearing 75x150x30,50	1		●			
28	137.134	0735 320 950	Needle Cage 93x101x32,50	2		●			
29	145.472	1316 302 001	Constant Gear 30 T	1	C	●			
30	190.297	1316 202 005	Input Shaft	1		●			
31	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
32	169.776	0750 101 158	Thrust Washer 81,5x5	1		●			
33	117.320	0750 119 124	Bush 67x77x66,10	1		●			
34	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
35	146.410	1316 304 007	Gear 4th Speed 30 T	1	A	●			
35	146.401	1316 304 103	Gear 4th Speed 32 T	1	BC	●			
36	109.134	1312 304 027	Synchronizer Cone	2	(20)	●			
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	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●			
37	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●			
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	157.180	1312 304 052	Synchronizer Hub	1	(20)	●			
38	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
38	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
39	154.135	1310 304 202	Sliding Sleeve	1	(20)	●			

 ECOSPLIT III
16S221
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

(20) Only for 3rd/4th Speed - First version - Do not mix

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

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

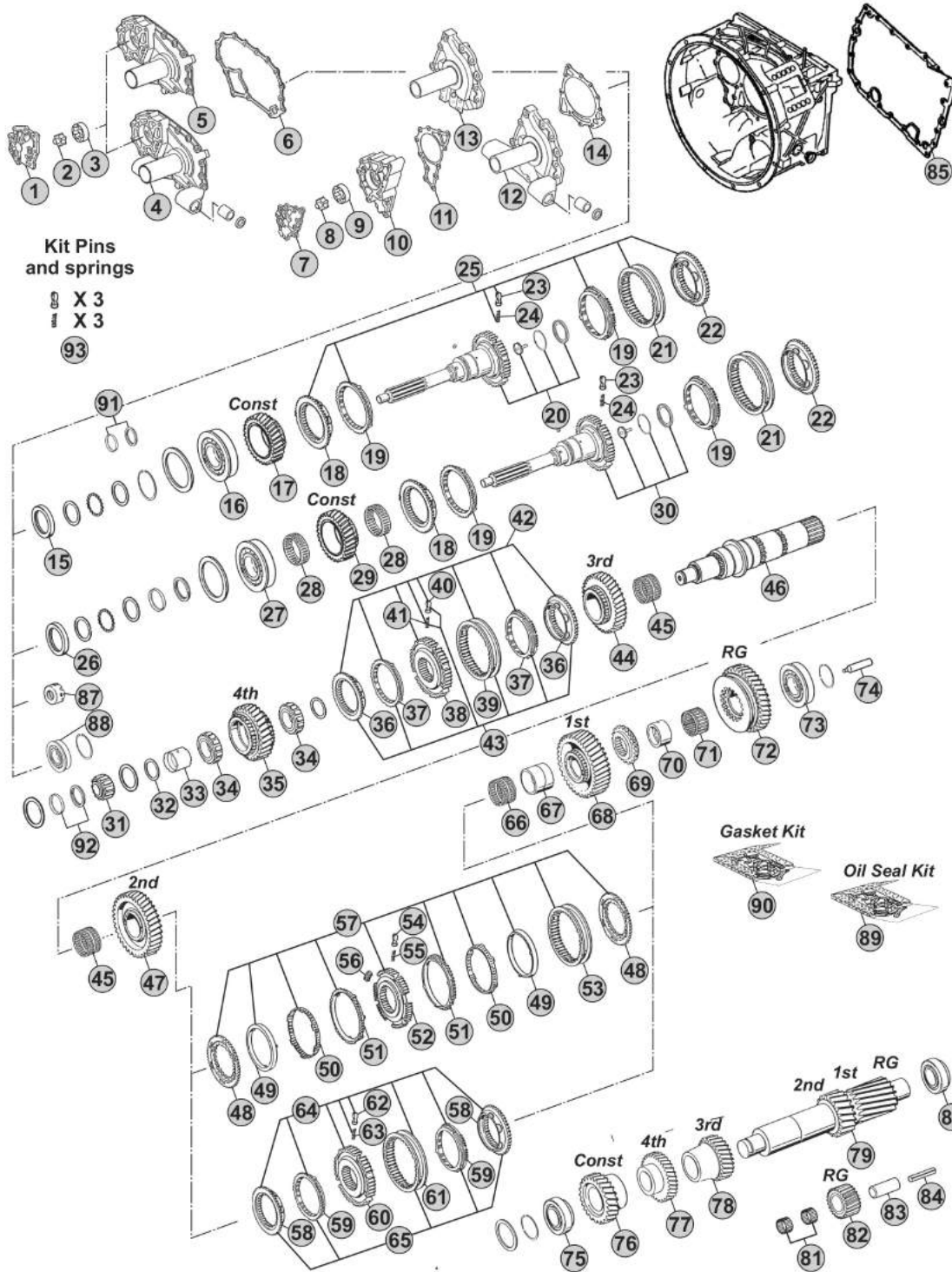
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,86-0,84
- (C) R. 16,47-1,00

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	16S221				
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	(20-21-22)	●				
41	156.140	0732 040 409	Spring De.6,5x23,50	3	(20-21-22)	●				
42	198.812	1315 298 018	Synchro Kit	1	(20)	●				
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	145.488	1316 304 009	Gear 3rd Speed 32 T	1	A	●				
44	145.473	1316 304 008	Gear 3rd Speed 34 T	1	BC	●				
45	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
46	103.128	1316 304 130	Main Shaft 24 T	1		●				
47	145.515	1316 304 003	Gear 2nd Speed 37 T	1	A	●				
47	145.474	1316 304 002	Gear 2nd Speed 38 T	1	BC	●				
48	109.176	1312 304 106	Synchronizer Cone	2	(30)	●				
49	119.152	1268 304 424	Intermediate Synchro Ring	1	(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	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
58	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
58	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
59	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
59	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
59	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
59	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
60	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
60	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
60	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
61	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
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	(31-32-33-34)	●				
63	156.140	0732 040 409	Spring De.6,5x23,50	3	(31-32-33-34)	●				
64	198.972	1313 298 909	Synchro Kit	1	(31)	●				
64	298.020	1315 298 060	Synchro Kit	1	(32)	●				
65	298.286	1315 298 066	Synchro Kit	1	(32)	●				

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Notes

(20) Only for 3rd/4th Speed - First version - Do not mix
 (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

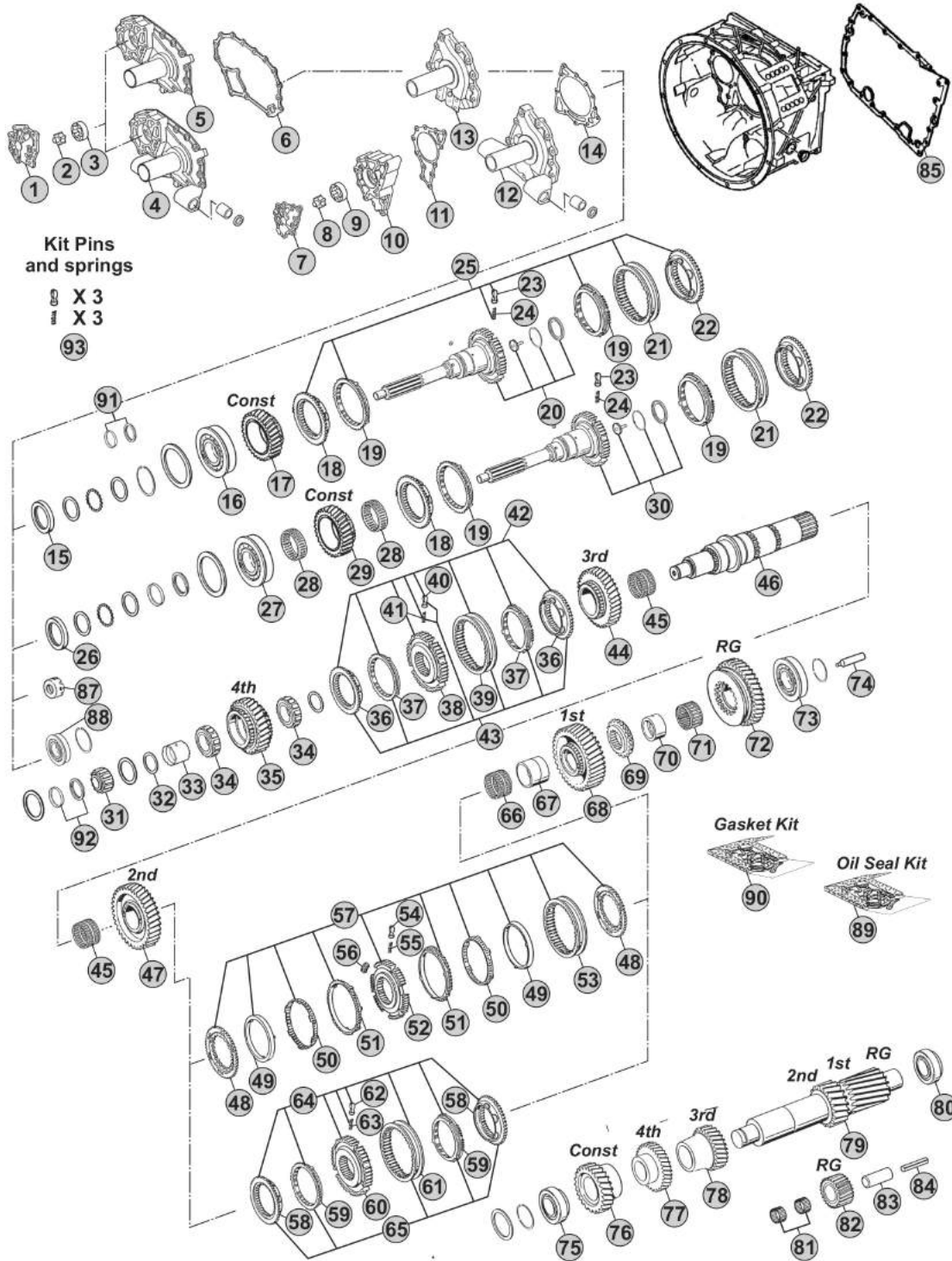
(31) Only for 1st/2nd speed - First version (single cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,86-0,84
- (C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S221				
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	145.522	1316 304 013	Gear 1st Speed 44 T	1	A	●				
68	145.475	1316 304 010	Gear 1st Speed 47 T	1	BC	●				
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	147.144	1316 304 015	Reverse Gear 42 T	1	A	●				
72	147.128	1316 304 012	Reverse Gear 44 T	1	BC	●				
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	146.407	1316 303 031	Constant Gear 37 T	1	A	●				
76	146.428	1316 303 002	Constant Gear 37 T	1	(3) A	●				
76	146.469	1316 303 064	Constant Gear 32 T	1	B	●				
76	146.780	1316 303 071	Constant Gear 32 D	1	B Latest Type	●				
76	146.486	1316 303 030	Constant Gear 39 T	1	C	●				
76	146.388	1316 303 001	Constant Gear 39 T	1	(4) C	●				
77	146.408	1316 303 004	Gear 4th Speed 39 T	1	A	●				
77	146.426	1316 303 065	Gear 4th Speed 35 T	1	BC	●				
78	146.409	1316 303 006	Gear 3rd Speed 28 T	1	A	●				
78	146.391	1316 303 005	Gear 3rd Speed 26 T	1	BC	●				
79	105.103	1316 303 034	Countershaft 19/23 T	1	A	●				
79	105.110	1316 303 053	Countershaft 19/23 T	1	(3) A	●				
79	105.100	1316 303 033	Countershaft 17/20 T	1	BC	●				
79	105.096	1316 303 052	Countershaft 17/20 T	1	(4) C	●				
80	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
81	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
82	147.143	1316 305 002	Reverse Gear 20 T	1	A	●				
82	147.127	1316 305 001	Reverse Gear 22 T	1	BC	●				
83	190.302	1315 305 009	Reverse Shaft	1		●				
84	160.302	0631 329 295	Pin	1	A	●				
84	160.301	0631 329 296	Pin	1	BC	●				
85	139.854	1315 301 233	Gasket	1		●				
87	126.033	4130 309 063	Disk	1	(1)	●				
88	130.394	0635 450 098	Bearing 52x90x33	1	(2)	●				
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	Washers Kit	1		●				
91	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●				

 ECOSPLIT III
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Notes

(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

(3) Old version - To be coupled 1316 303 002 + 1316 303 053

(4) Old version - To be coupled 1316 303 001 + 1316 303 052

(1) Only for 1316 202 033

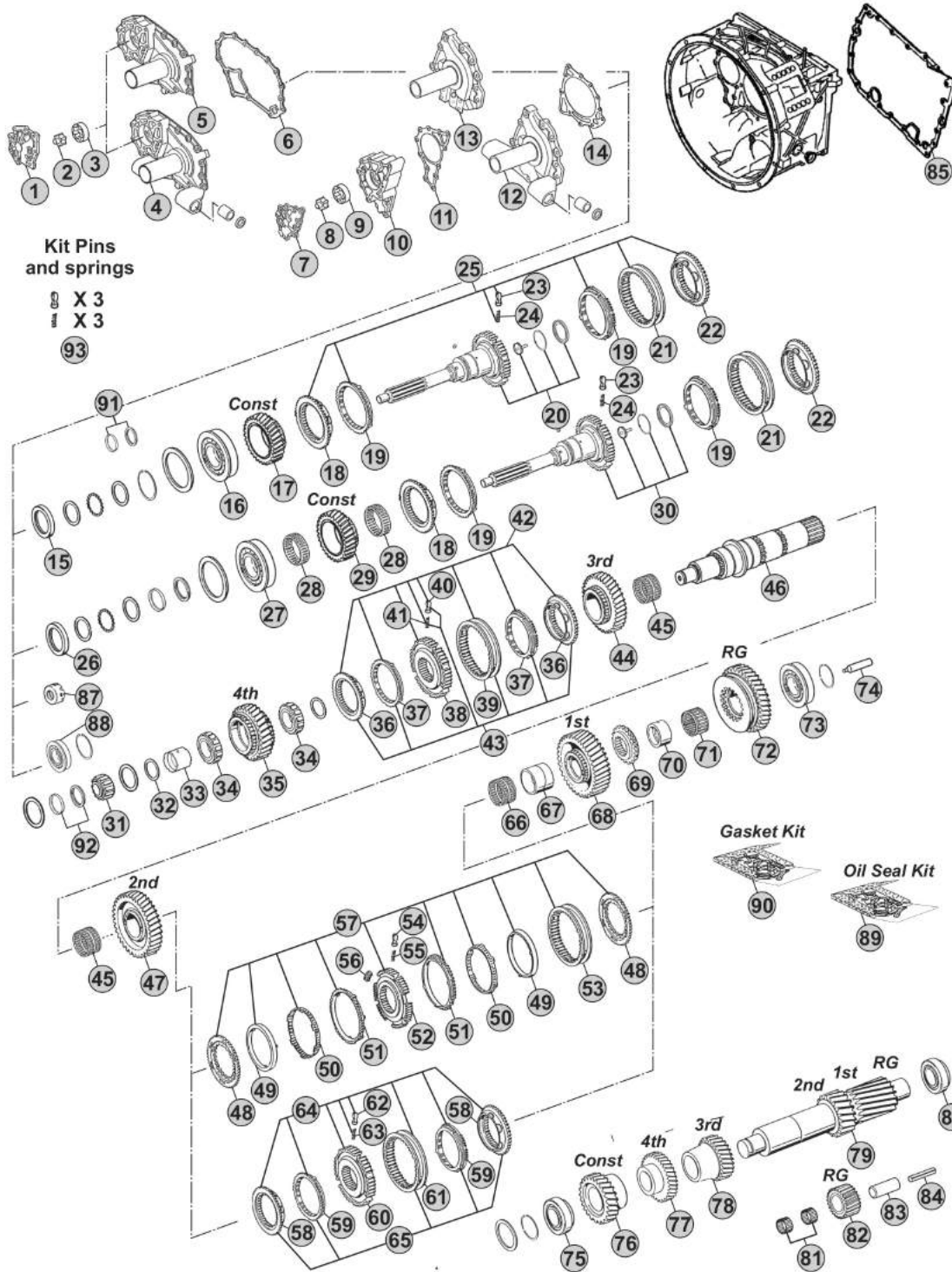
(2) Only for 1316 221 017 - 1316 221 018

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Straight Teeth)



Notes

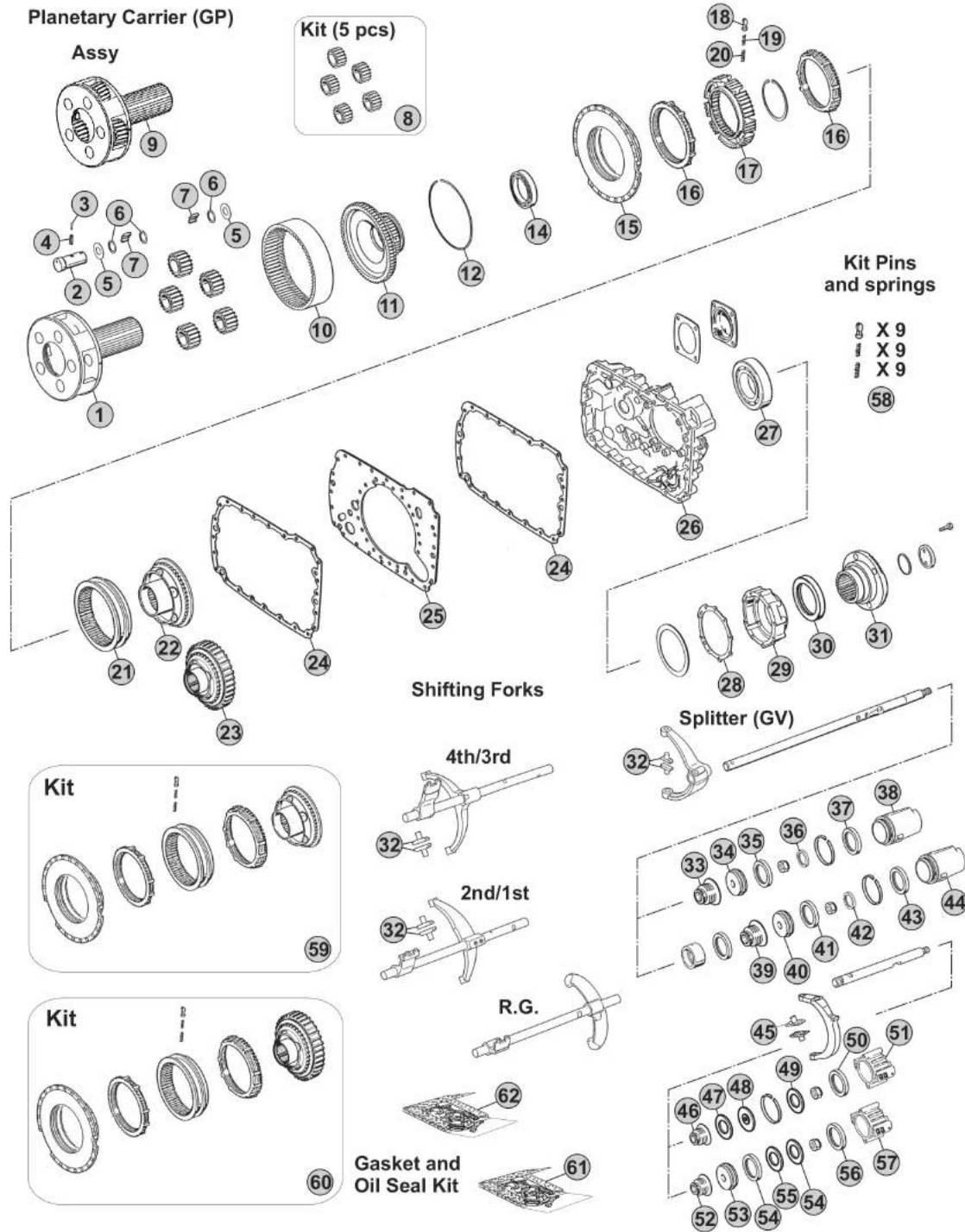
- (A) R. 13,80-0,84
- (B) R. 13,86-0,84
- (C) R. 16,47-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Straight Teeth)



Notes

- (A) R. 13,80-0,84
- (B) R. 13,86-0,84
- (C) R. 16,47-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S221			
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		●			
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	1	(61)	●			
23	196.352	1316 233 010	Synchronizer Cone (W/Retarder gear)	1	(60)	●			
23	109.207	1316 233 027	Synchronizer Cone W/RET.	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		●			
31	197.255	1316 338 002	Output Flange	1		●			
31	197.256	1312 333 018	Output Flange	1		●			
31	197.257	1316 338 003	Output Flange	1		●			
32	141.163	1297 306 120	Slide	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		●			

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Notes

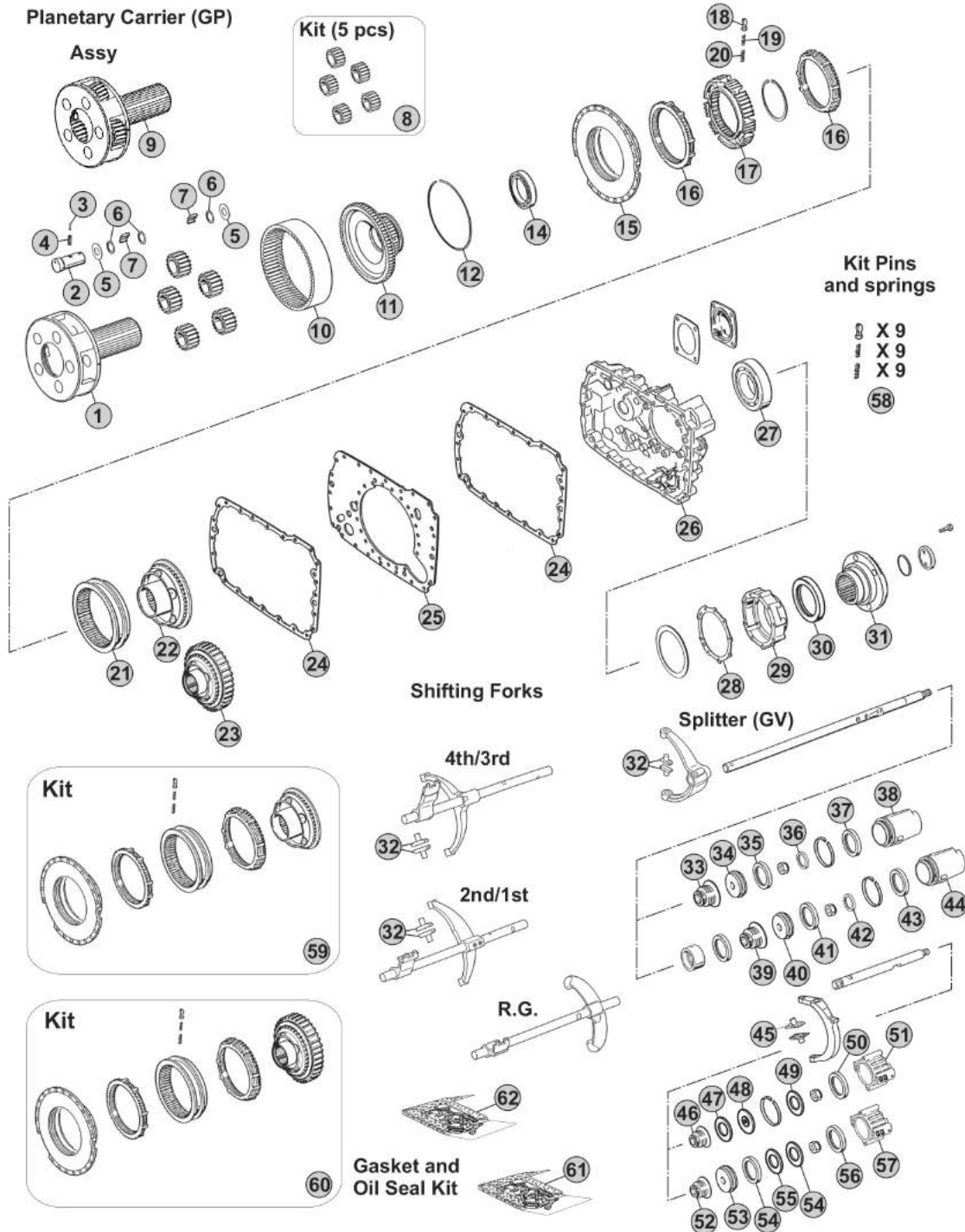
(60) Only for old version
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Straight Teeth)



Notes

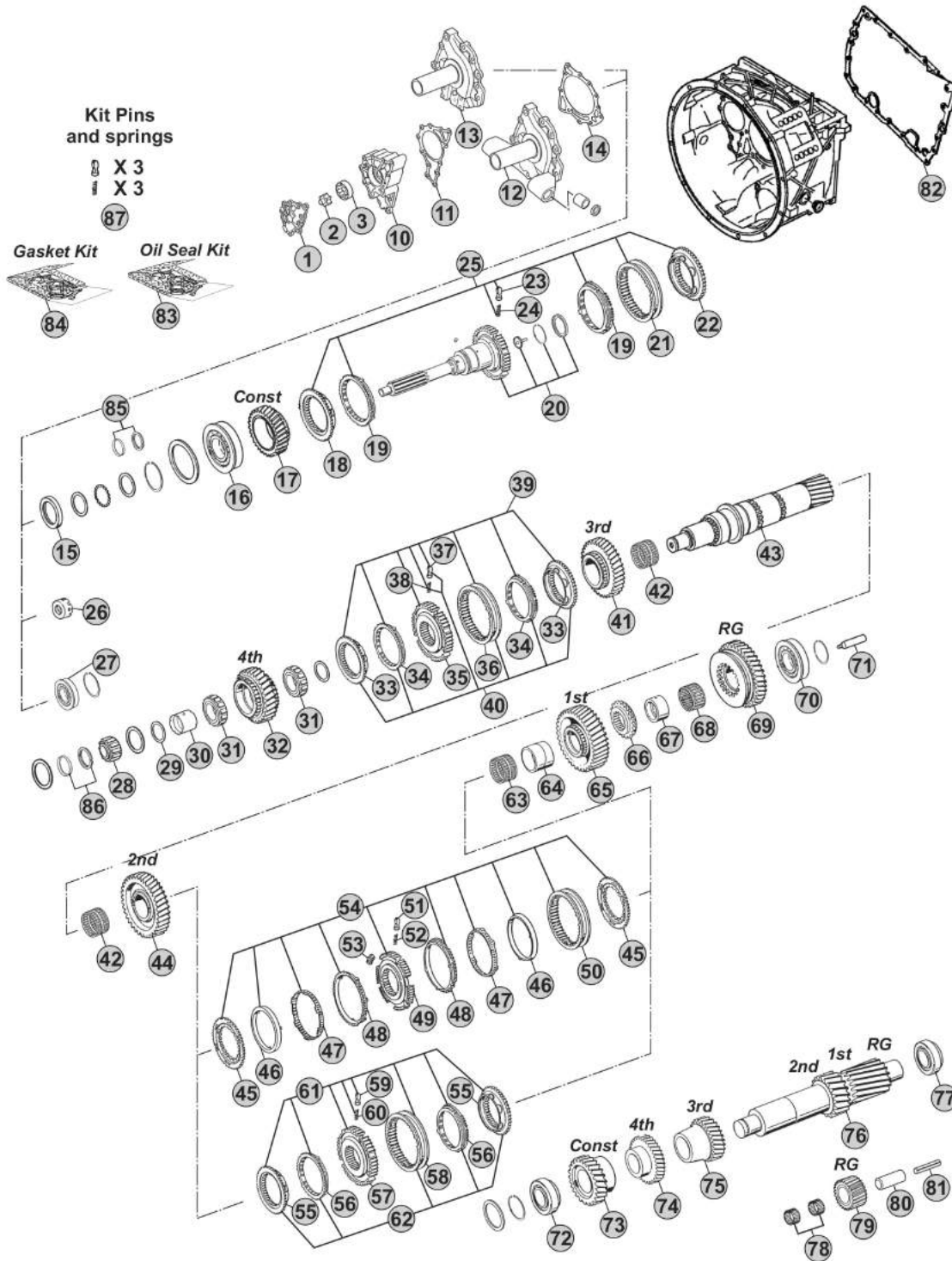
- (A) R. 13,80-0,84
- (B) R. 13,86-0,84
- (C) R. 16,47-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S221			
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	12		●			
12	135.253	1315 202 061	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		●			
15	139.871	0734 310 104	Oil Seal 52x68x8	1	(1)	●			
15	139.654	0734 319 514	Oil Seal 52x72x8	1	(2)	●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.487	1316 302 065	Constant Gear 34 T	1	A	●			
17	145.554	1316 302 067	Constant Gear 35 T	1	B	●			
17	145.483	1316 302 066	Constant Gear 30 T	1	C	●			
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 10 T	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
20	190.541	1316 202 039	Input Shaft	1		●			
20	190.537	1316 202 030	Input Shaft	1		●			
20	190.538	1316 202 031	Input Shaft	1		●			
20	190.539	1316 202 032	Input Shaft	1		●			
20	190.540	1316 202 036	Input Shaft	1		●			
20	102.412	1316 202 037	Input Shaft Assy	1		●			
20	190.417	1316 202 038	Shaft Assy	1		●			
20	102.566	1316 202 045	Input Shaft 57 T	1		●			
20	190.310	1316 202 033	Input Shaft 57 T Assy	1	WSK	●			
20	190.512	1316 221 017	Input Shaft	1	NMV	●			
20	190.542	1316 221 018	Input Shaft	1	NMW	●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.133	1312 304 056	Synchronizer Cone	1	(50) W/Step	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50) W/out Step	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			

 ECOSPLIT III
16S221
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Notes

(1) Only for 1316 202 033

(2) Only for 1316 221 017 - 1316 221 018

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

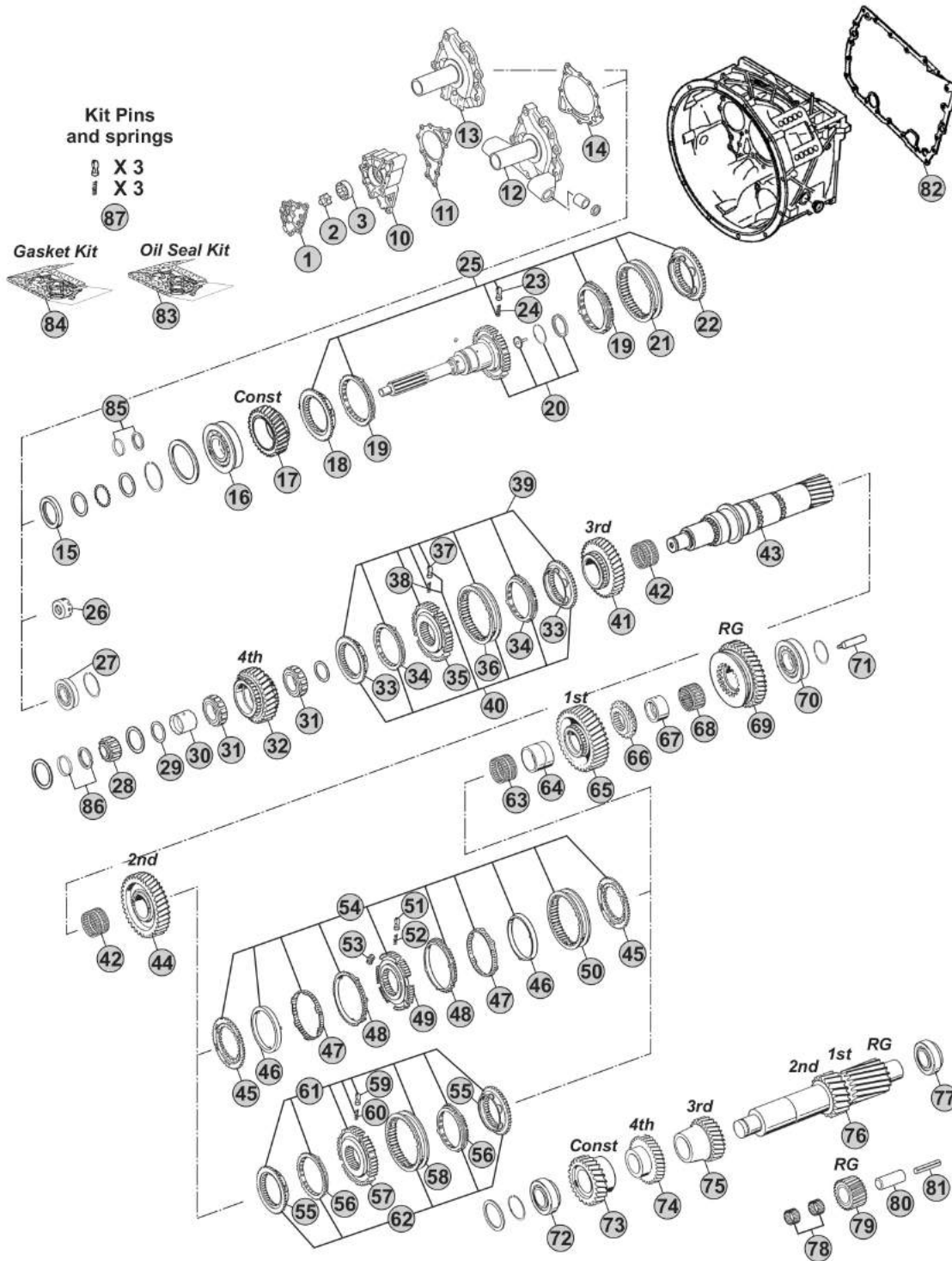
(52) Only for latest type with carbon rings - overdrive speeds

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) 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	16S221			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.319	1297 298 955	Synchro Kit	1	(50) W/Step	●			
25	298.169		Synchro Kit	1	(50) W/out Step	●			
25	298.288	1325 298 008	Synchro Kit	1	(51) W/out Step	●			
25	196.442	1316 298 037	Synchro Kit	1	(52) W/out Step	●			
26	126.033	4130 309 063	Disk	1	(1)	●			
27	130.394	0635 450 098	Bearing 52x90x33	1	(2)	●			
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
29	169.776	0750 101 158	Thrust Washer 81,5x5	1		●			
30	117.320	0750 119 124	Bush 67x77x66,10	1		●			
31	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
32	146.410	1316 304 007	Gear 4th Speed 30 T	1	A	●			
32	146.401	1316 304 103	Gear 4th Speed 32 T	1	BC	●			
33	109.134	1312 304 027	Synchronizer Cone	2	(20)	●			
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	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●			
34	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●			
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	157.180	1312 304 052	Synchronizer Hub	1	(20)	●			
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●			
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●			
36	154.135	1310 304 202	Sliding Sleeve	1	(20)	●			
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	198.812	1315 298 018	Synchro Kit	1	(20)	●			
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	145.488	1316 304 009	Gear 3rd Speed 32 T	1	A	●			
41	145.473	1316 304 008	Gear 3rd Speed 34 T	1	BC	●			
42	137.138	0750 115 303	Needle Cage 92x100x63	2		●			
43	103.130	1316 304 132	Main Shaft	1		●			
44	145.515	1316 304 003	Gear 2nd Speed 37 T	1	A	●			
44	145.474	1316 304 002	Gear 2nd Speed 38 T	1	BC	●			
45	109.176	1312 304 106	Synchronizer Cone	2	(30)	●			

 ECOSPLIT III
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Notes

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

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(1) Only for 1316 202 033

(2) Only for 1316 221 017 - 1316 221 018

(20) Only for 3rd/4th Speed - First version - Do not mix

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

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

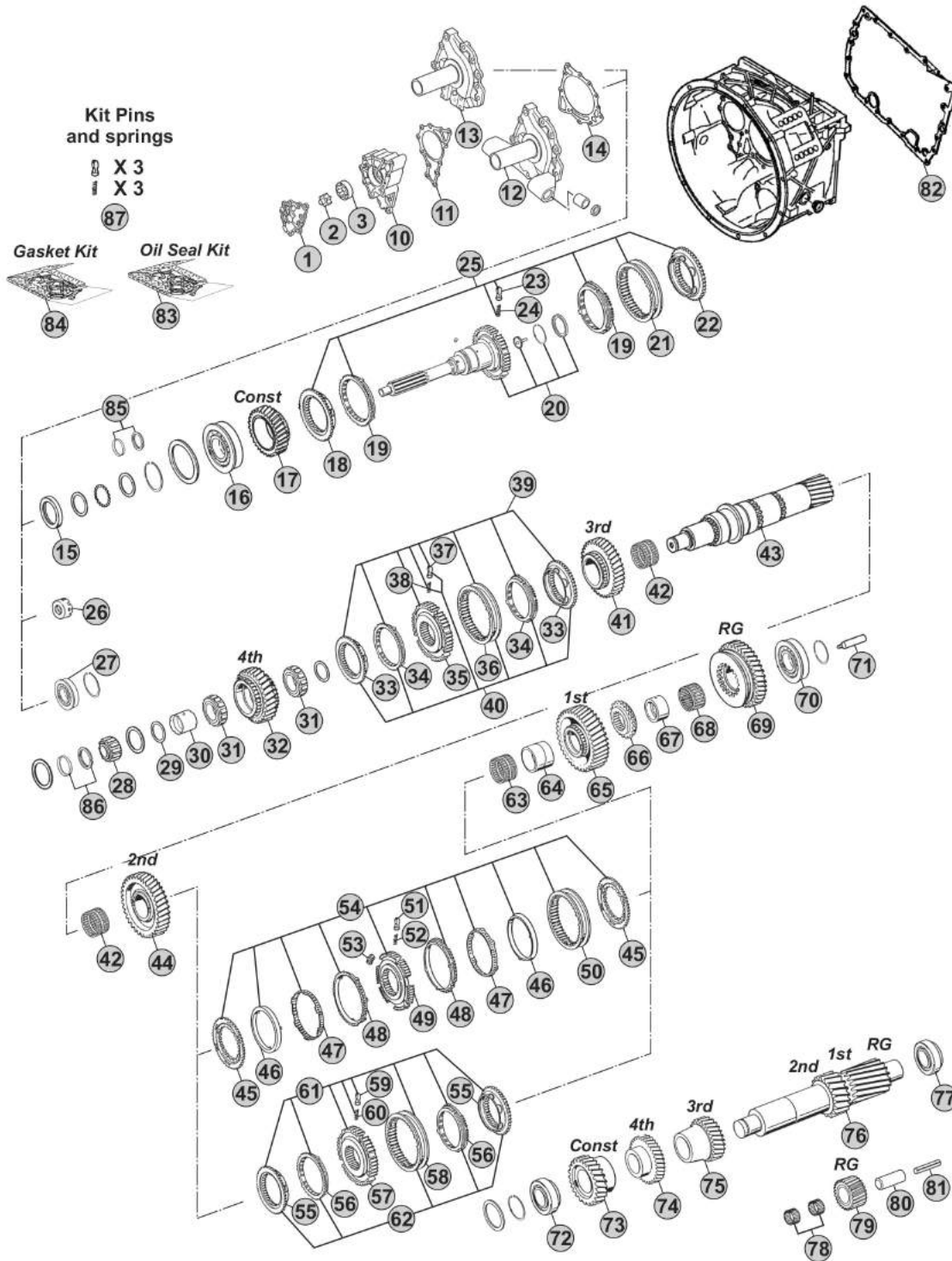
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S221				
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	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
56	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
56	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
57	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
58	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
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	(31-32-33)	●				
60	156.140	0732 040 409	Spring De.6,5x23,50	3	(31-32-33)	●				
61	198.972	1313 298 909	Synchro Kit	1	(31)	●				
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	145.522	1316 304 013	Gear 1st Speed 44 T	1	A	●				
65	145.475	1316 304 010	Gear 1st Speed 47 T	1	BC	●				
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	147.144	1316 304 015	Reverse Gear 42 T	1	A	●				
69	147.128	1316 304 012	Reverse Gear 44 T	1	BC	●				
70	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
71	188.209	1312 304 150	Oil Tube	1		●				
72	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
73	146.407	1316 303 031	Constant Gear 37 T	1	A	●				
73	146.469	1316 303 064	Constant Gear 32 T	1	B	●				

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Notes

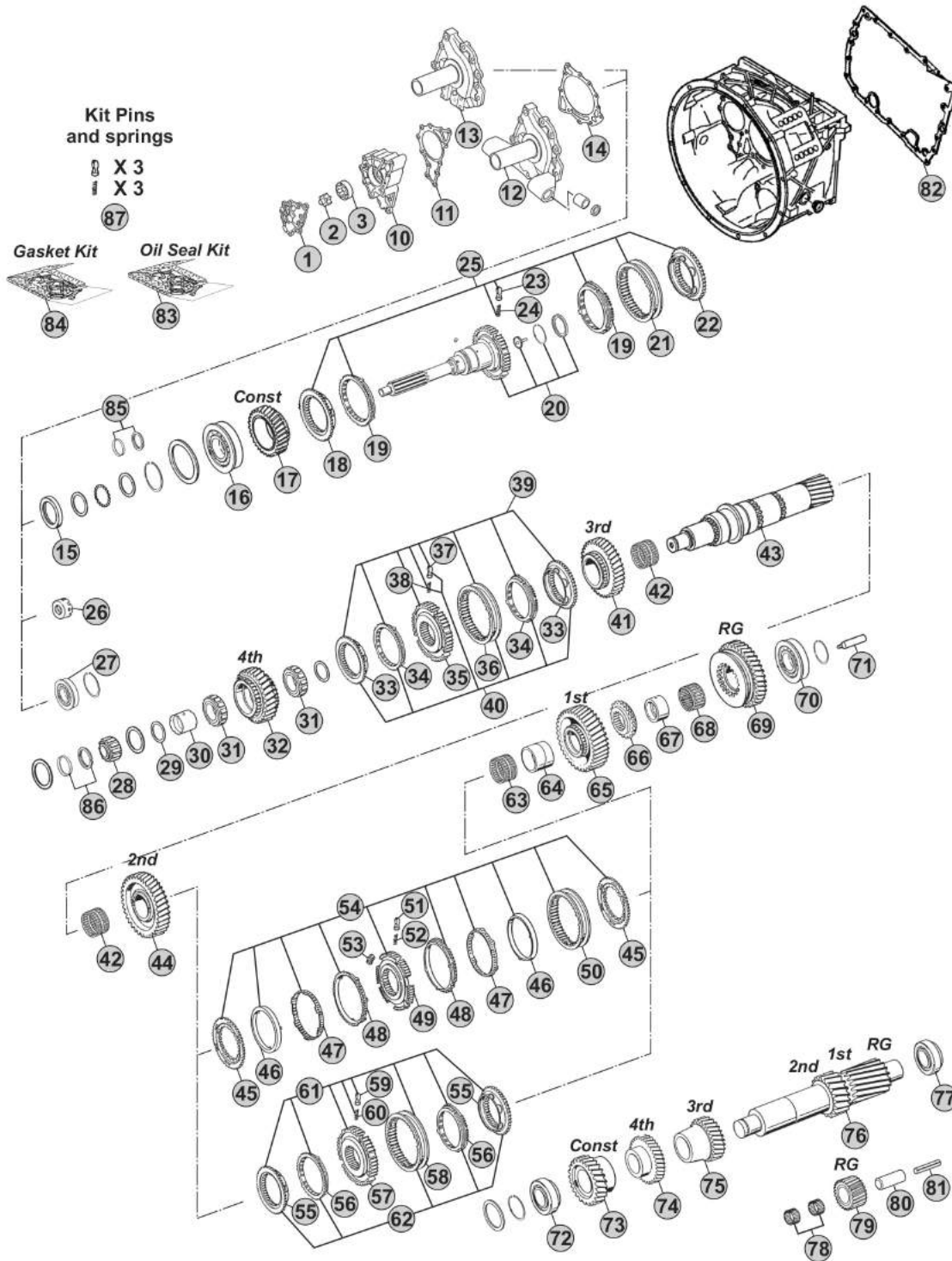
(30) Only for 1st/2nd speed - First version (triple cone) - Do not mix
 (31) Only for 1st/2nd speed - First version (single cone) - Do not mix
 (32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix
 (33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix
 (34) Only for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

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Helical Teeth)



Notes

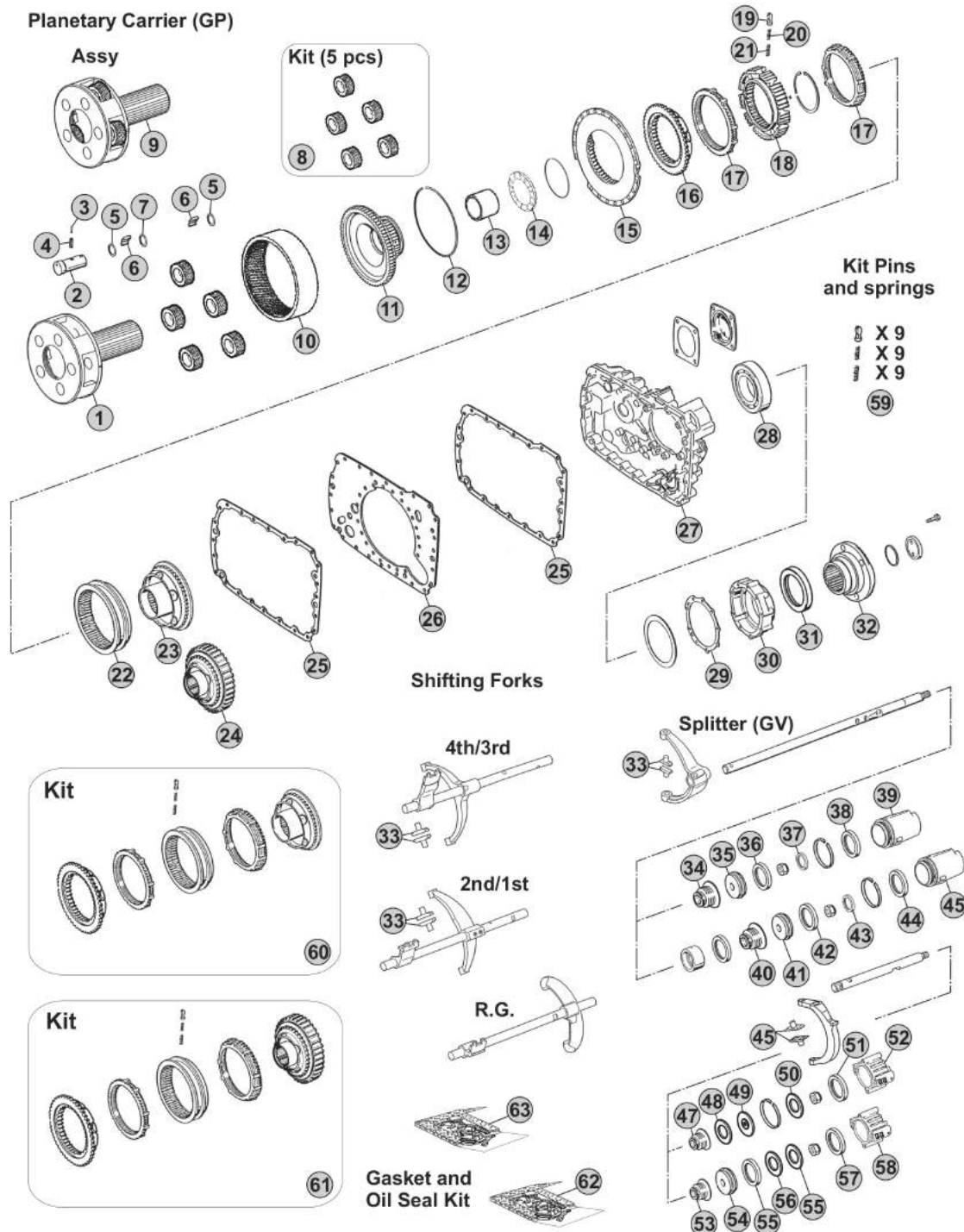
- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Helical Teeth)



Notes

- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S221				
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	5	(71)	●				
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●				
4	160.287	0631 329 147	Pin	5	(71)	●				
5	269.009	0730 109 323	Spacer Ring	10		●				
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●				
7	269.010	0730 109 309	Spacer Ring	5		●				
8	298.024	1316 232 011	Planetary Gear Set	1		●				
9	298.861		Planetary Carrier Assy	1	(71)	●				
10	123.211	1315 332 041	Spur ring gear 82 T	1		●				
11	150.136	1316 332 130	Carrier Hub 82 T	1		●				
11	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	1	(61)	●				
24	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●				
24	109.773	1316 233 028	Synchronizer Cone	1	(61)	●				
25	139.643	1316 301 042	Gasket	1	W/out Retarder	●				
25	139.547	1316 301 053	Intarder Gasket	1	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		●				
32	197.255	1316 338 002	Output Flange	1		●				

 ECOSPLIT III
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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type - Changing Planetary carrier

(60) Only for old version

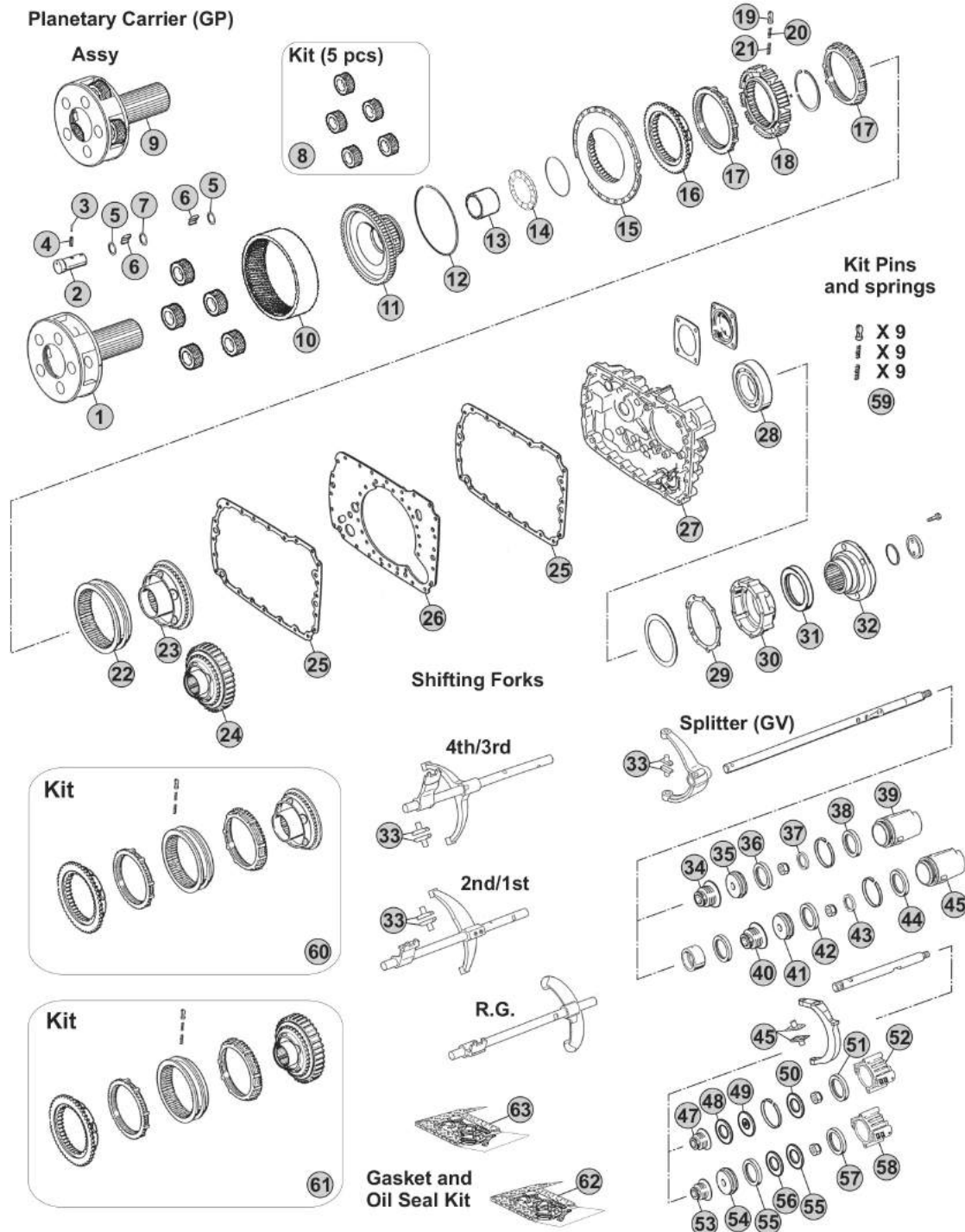
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S221 (1316 xxx xxx)
(GP Helical Teeth)



Notes

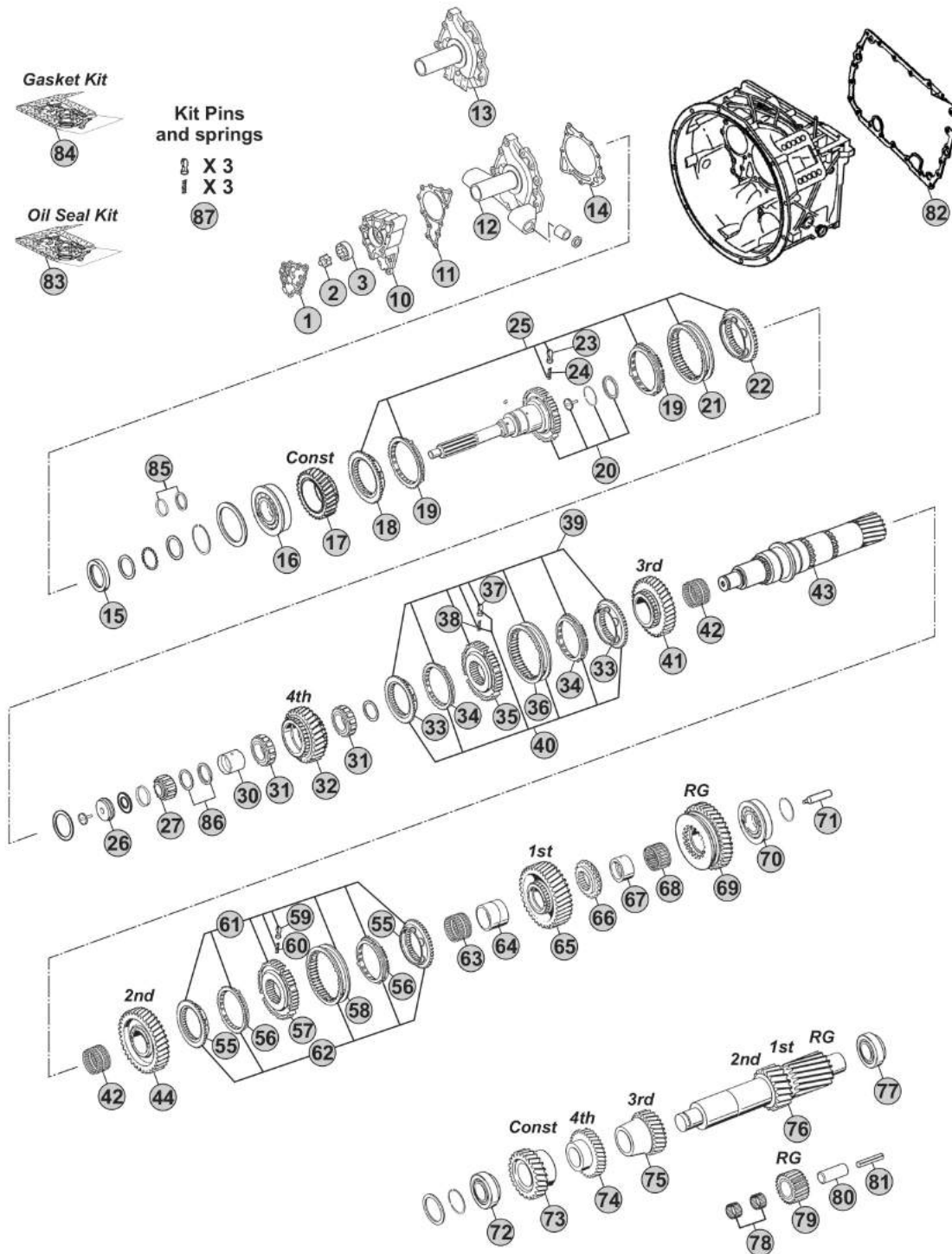
- (A) R. 13,74-0,84
- (B) R. 13,80-0,84
- (C) R. 16,41-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S222 (1316 xxx xxx)
(GP Helical Teeth)



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	128.325	1315 202 066	Front Cover	1		●				
12	135.253	1315 202 061	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	130.414	0750 117 773	Bearing 85x150x30,5	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)	●				
26	137.395	0735 368 084	Needle Cage	1		●				
27	137.396	0735 455 298	Needle Cage	1		●				
29	169.776	0750 101 158	Thrust Washer 81,5x5	1		●				
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)	●				

 ECOSPLIT III
16S222
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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

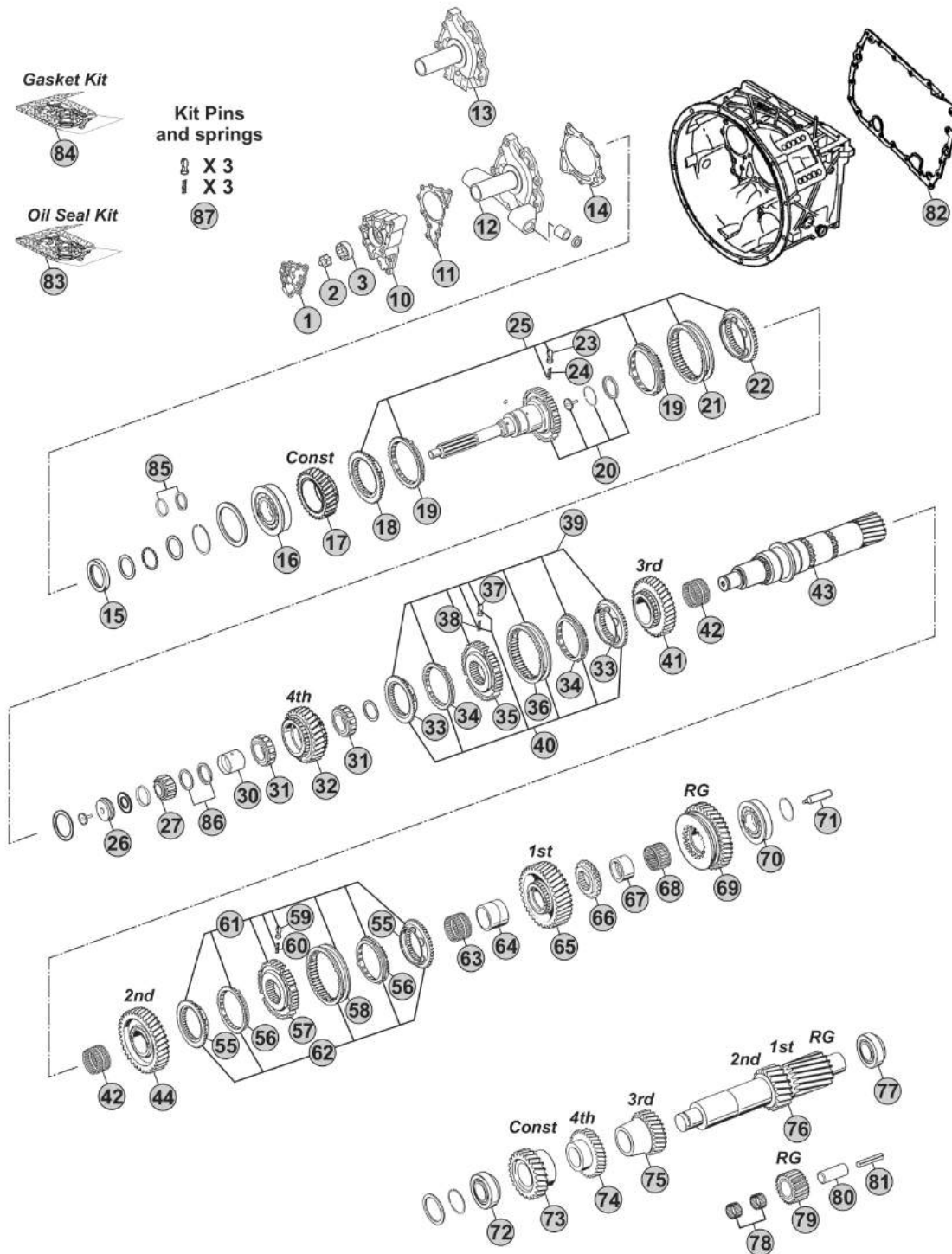
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S222 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S222 R. 16,41-1,00

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S222				
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	145.473	1316 304 008	Gear 3rd Speed 34 T	1		●				
42	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
43	103.290	1316 304 118	Main Shaft 38/44/41/23 T	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	188.209	1312 304 150	Oil Tube	1		●				
72	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●				
73	146.486	1316 303 030	Costant Gear 39 T	1		●				
74	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
75	146.391	1316 303 005	Gear 3rd Speed 26 T	1		●				
76	105.100	1316 303 033	Countershaft 17/20 T	1		●				
77	130.308	0750 117 009	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		●				

 ECOSPLIT III
16S222
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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

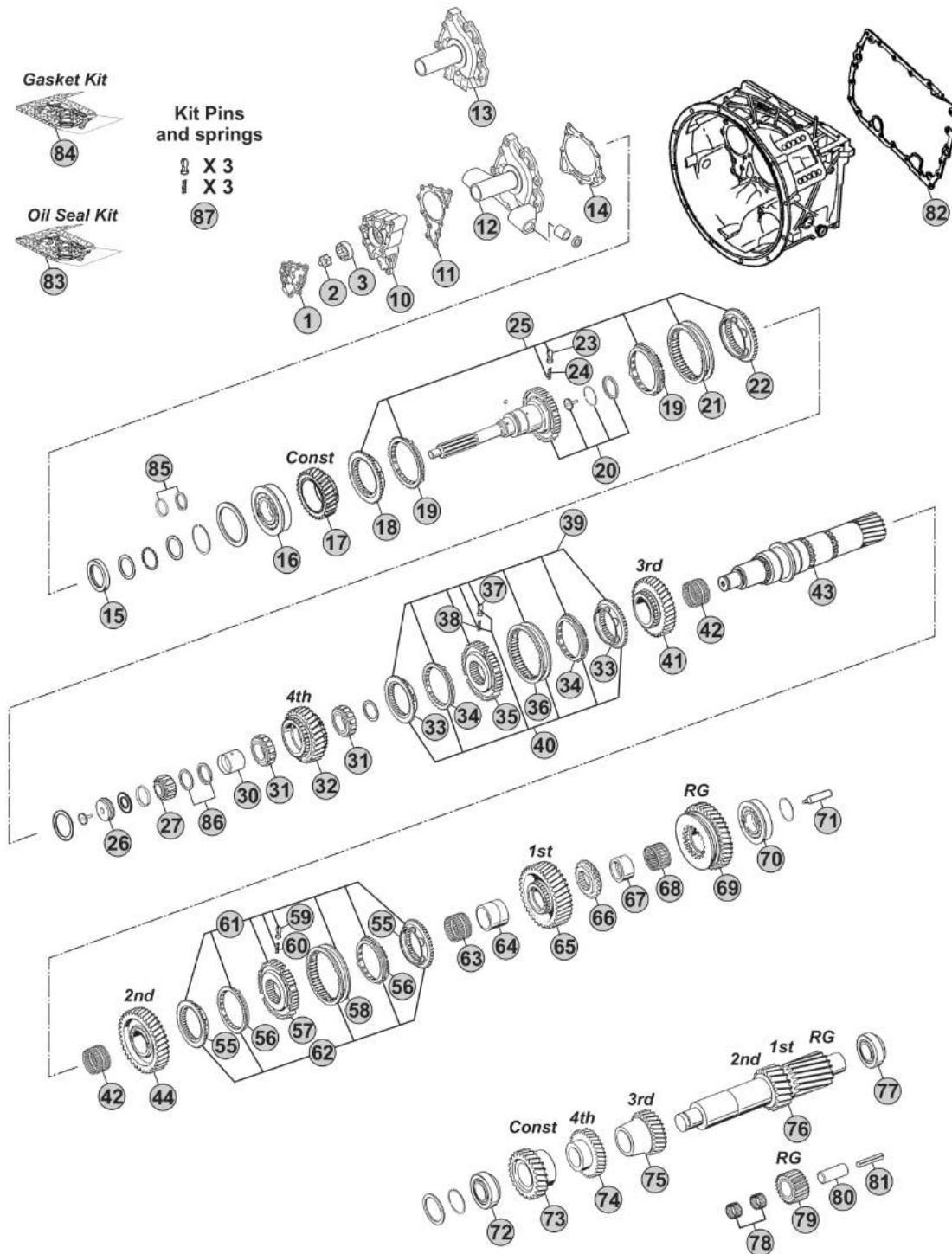
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S222 (1316 xxx xxx)
(GP Helical Teeth)



Notes

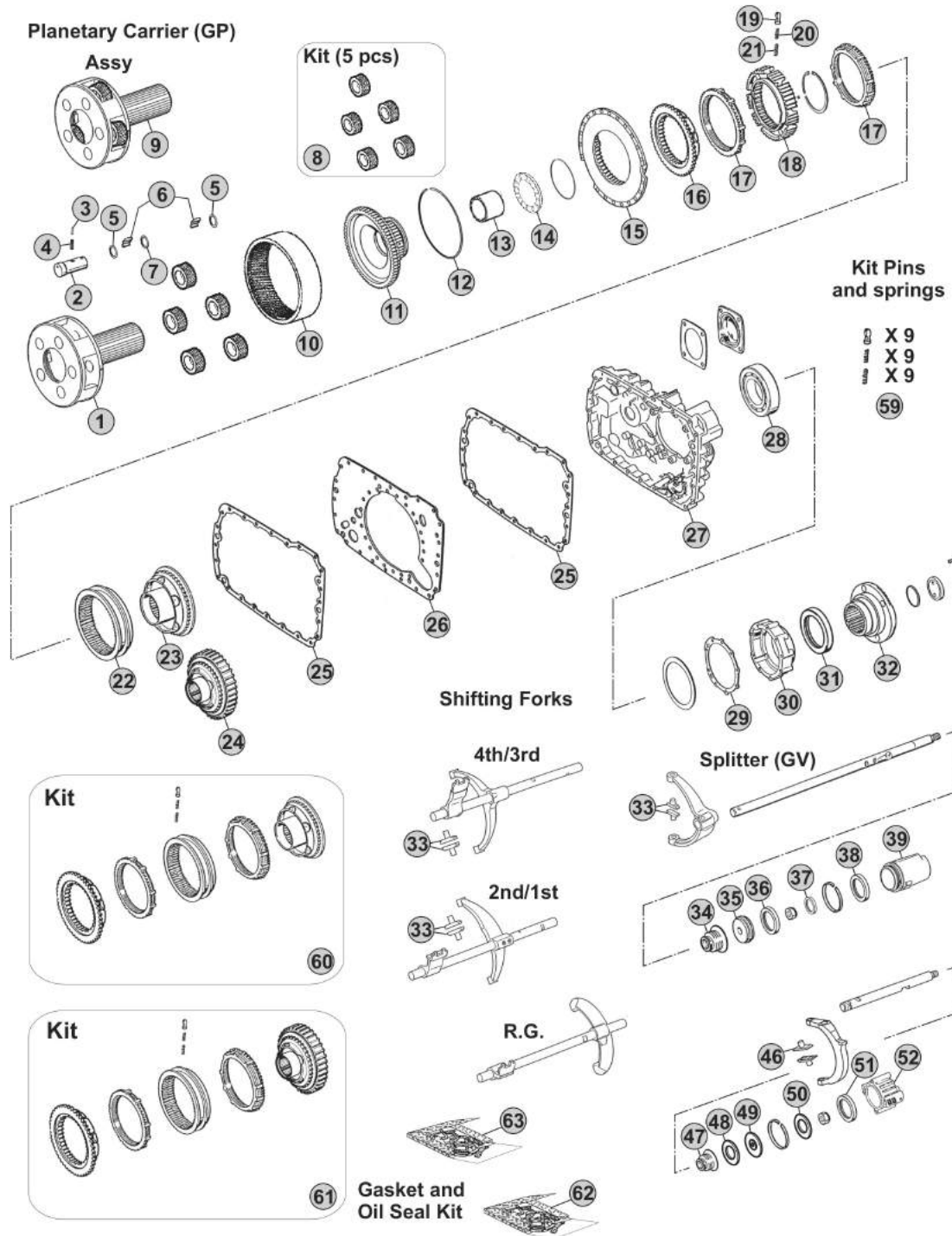
16S222 R. 16,41-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S222 (1316 xxx xxx)
(GP Helical Teeth)



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	5	(71)	●			
4	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
4	160.287	0631 329 147	Pin	5	(71)	●			
5	269.009	0730 109 323	Spacer Ring	10		●			
6	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
7	269.010	0730 109 309	Spacer Ring	5		●			
8	298.024	1316 232 011	Planetary Gear Set	1		●			
9	298.861		Planetary Carrier Assy	1	(71)	●			
10	123.211	1315 332 041	Spur ring gear 82 T	1		●			
11	150.136	1316 332 130	Carrier Hub 82 T	1		●			
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	1	(61)	●			
24	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●			
24	109.773	1316 233 028	Synchronizer Cone	1	(61)	●			
25	139.643	1316 301 042	Gasket	1	W/out Retarder	●			
25	139.547	1316 301 053	Intarder Gasket	1	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		●			
32	197.256	1312 333 018	Output Flange	1		●			

 ECOSPLIT III
16S222
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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type - Changing Planetary carrier

(60) Only for old version

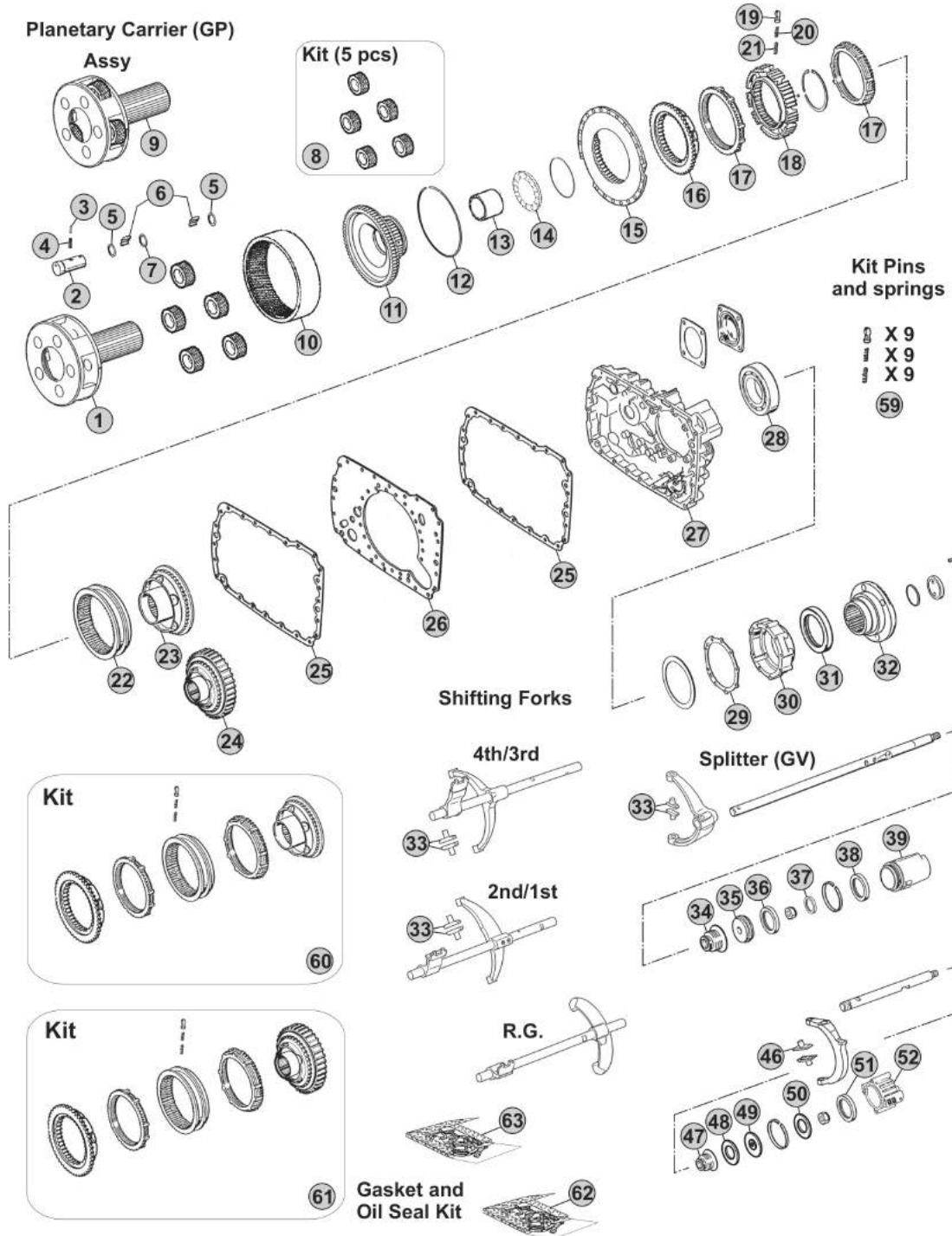
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S222 (1316 xxx xxx)
(GP Helical Teeth)



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Notes

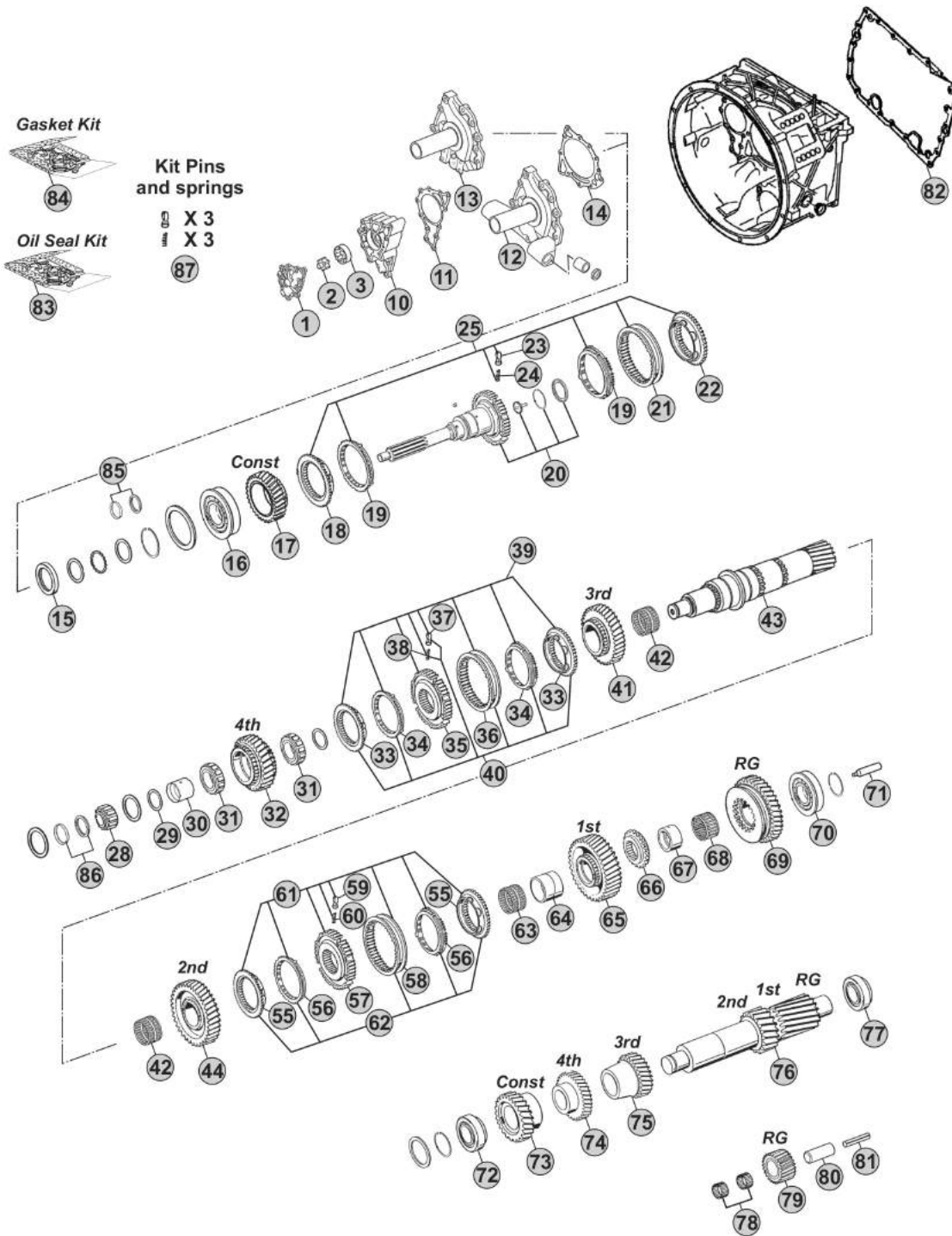
16S222 R. 16,41-1,00

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S251 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251			
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	135.253	1315 202 061	Front Cover	1		●			
12	128.325	1315 202 066	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	145.554	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 10 T	1		●			
20	102.412	1316 202 037	Input Shaft Assy	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)	●			
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
29	169.776	0750 101 158	Thrust Washer 81,5x5	1		●			
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	109.134	1312 304 027	Synchronizer Cone	2	(20)	●			
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	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●			

 ECOSPLIT III
16S251
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

(20) Only for 3rd/4th Speed - First version - Do not mix

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

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

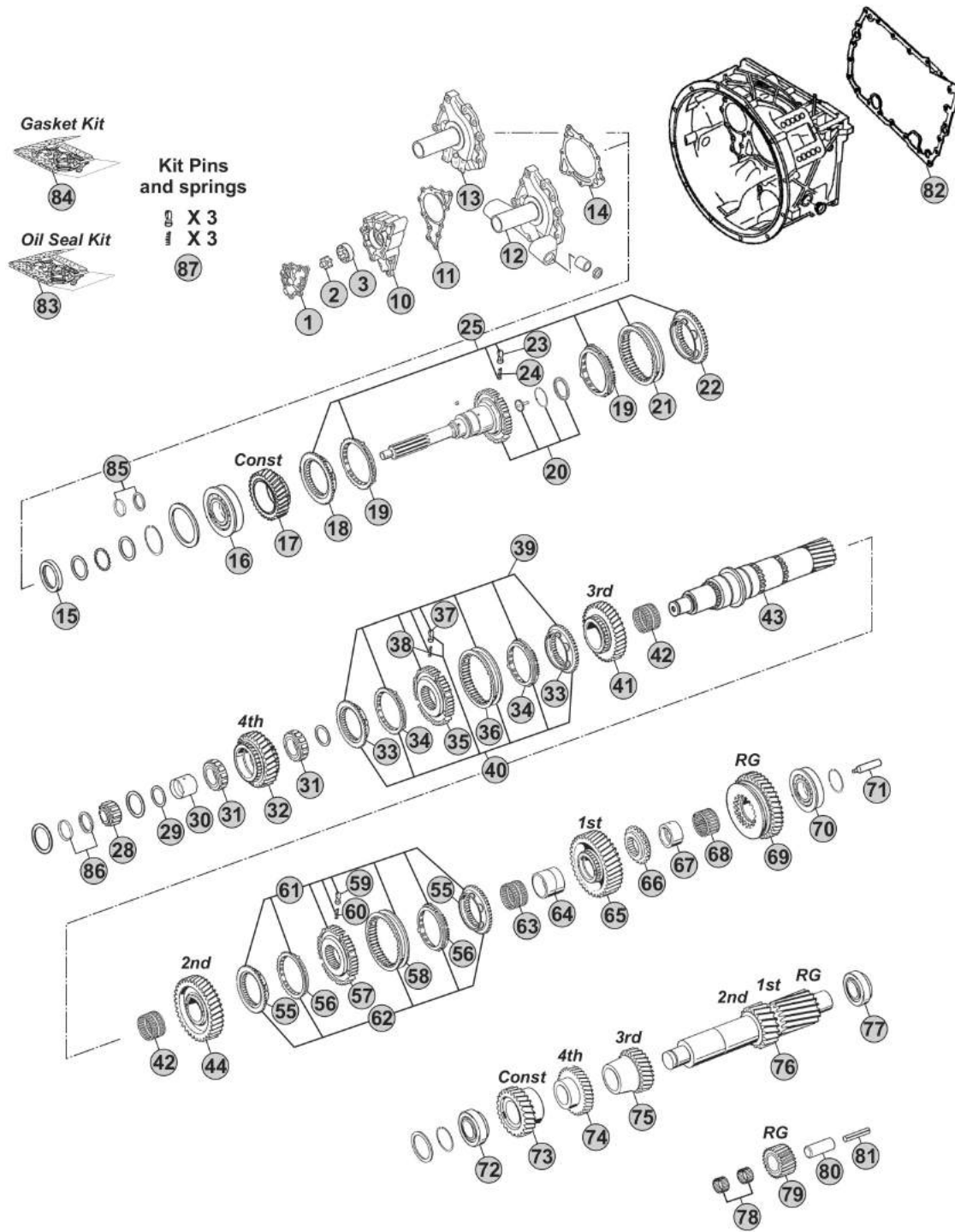
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S251 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251				
34	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
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	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
36	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
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	198.812	1315 298 018	Synchro Kit	1	(20)	●				
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	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
56	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
56	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
57	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
58	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
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	198.972	1313 298 909	Synchro Kit	1	(31)	●				
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		●				

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Notes

(20) Only for 3rd/4th Speed - First version - Do not mix

(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

(31) Only for 1st/2nd speed - First version (single 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

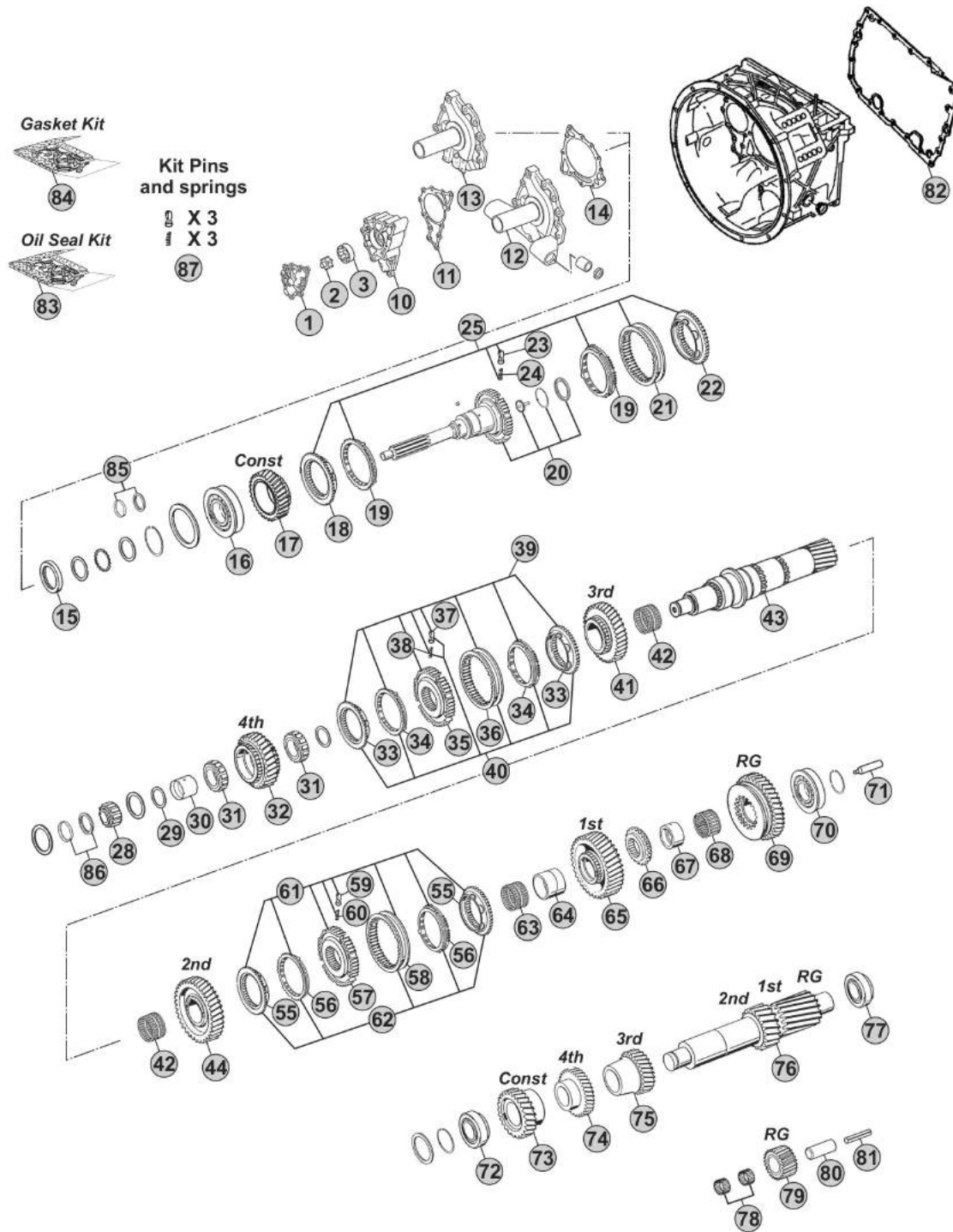
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

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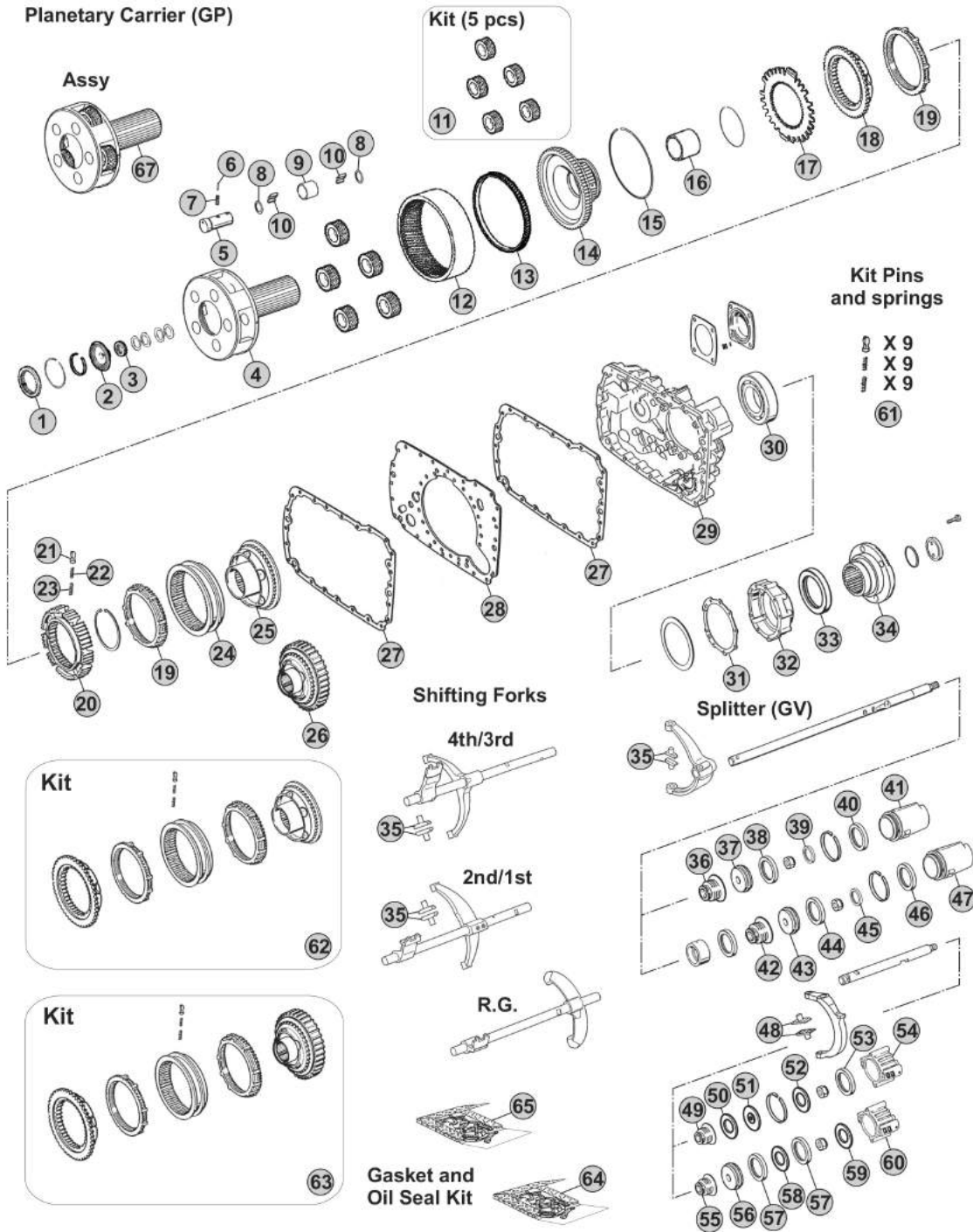
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- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251			
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	107.267	1324 332 016	Planetary pin	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	5	(71)	●			
7	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
7	160.287	0631 329 147	Pin	5		●			
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	1		●			
13	123.329	1316 332 044	Ring Gear	1		●			
14	150.267	1316 332 073	Carrier Hub	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	1	(61)	●			
26	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●			
26	109.773	1316 233 028	Synchronizer Cone	1	(61)	●			
27	139.643	1316 301 042	Gasket	1	W/out Retarder	●			
27	139.547	1316 301 053	Intarder Gasket	1	With Retarder	●			
28	135.266	1316 301 051	Clutch Body	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		●			

 ECOSPLIT III
16S251
Date

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Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

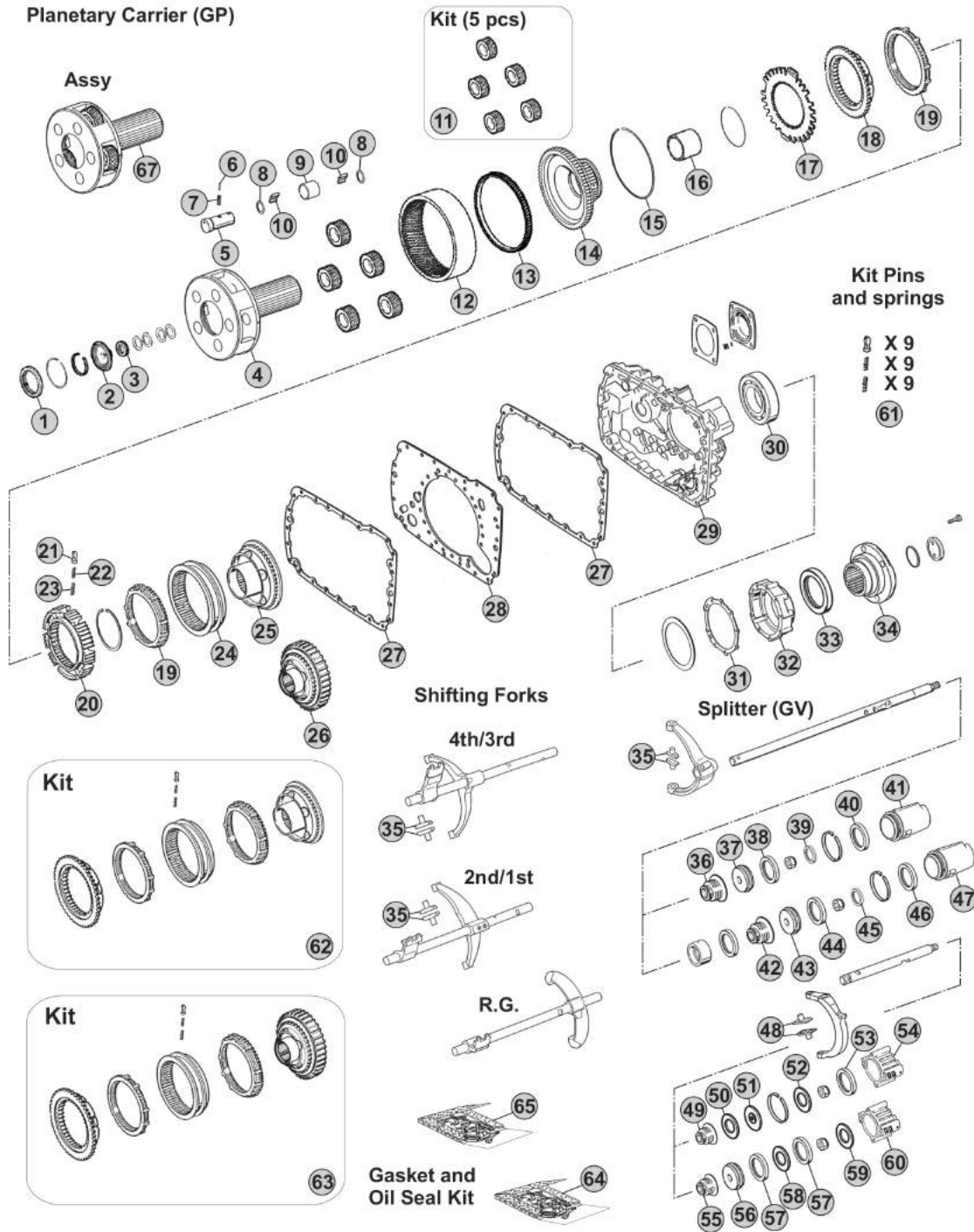
(61) Only for new version

MODELS:

- ECOSPLIT III

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- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

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