

AMENDMENTS TO GEAR BOX CATALOGUE IN MONTH OF NOVEMBER 2016

SR NO	GROUP	SUBGROUP	DIAGRAM NO	PAGE NO IN CAT.	SR NO IN CAT.	DESCRIPTION	DATE OF UPDATE	REVISION
1	GEAR BOX 9S & 6S	GEAR BOX HOUSING (EATON DD 6S)	38	52	20	PART NO CORRECTED FOR OIL SEAL	11.11.2016	01/11/16
2	GEAR BOX 9S & 6S	COUNTER SHAFT (EATON 6S DD)	40	54	ALL	NEW DIAGRAM & PART NO ADDED FOR BETTER CLARITY	14.11.2016	01/11/16
3	GEAR BOX 9S & 6S	COUNTER SHAFT (EATON 6S OD)	50	67	ALL	NEW DIAGRAM & PART NO ADDED FOR BETTER CLARITY	14.11.2016	01/11/16
4	GEAR BOX 9S & 6S	MAINSHAFT (EATON 6S OD)	53	71	31	NEW PART NO ADDED	14.11.2016	01/11/16
5	GEAR BOX 9S & 6S	GEAR BOX ASSEMBLY (EATON 6S OD) BUS	57 TO 65	76 TO 87	NEW	NEW CATALOGUE ADDED FOR BUS	15.11.2016	01/11/16

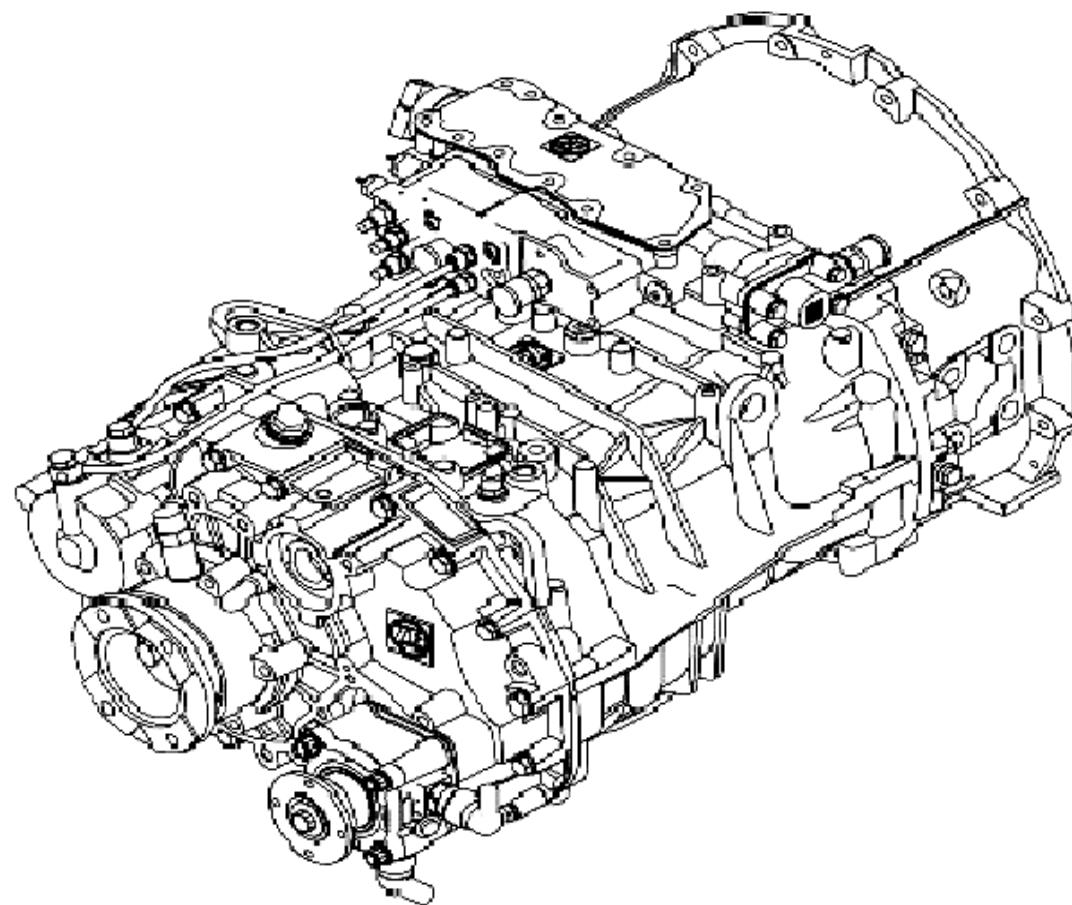
GEAR BOX 9S & 6S

CONTENTS

SR	DESCRIPTION	DIAGRAM NO.
1	GEAR BOX ZF 9S 1110HH	01 TO 24
2	GEAR BOX ZF 6S 850	25 TO 37
3	GEAR BOX ASSEMBLY (EATON 6S DD)	38 TO 47
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6	GEARBOX SUPPORT	67
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GEAR BOX ASSEMBLY - 9S1110 HH

Diagram No. 01



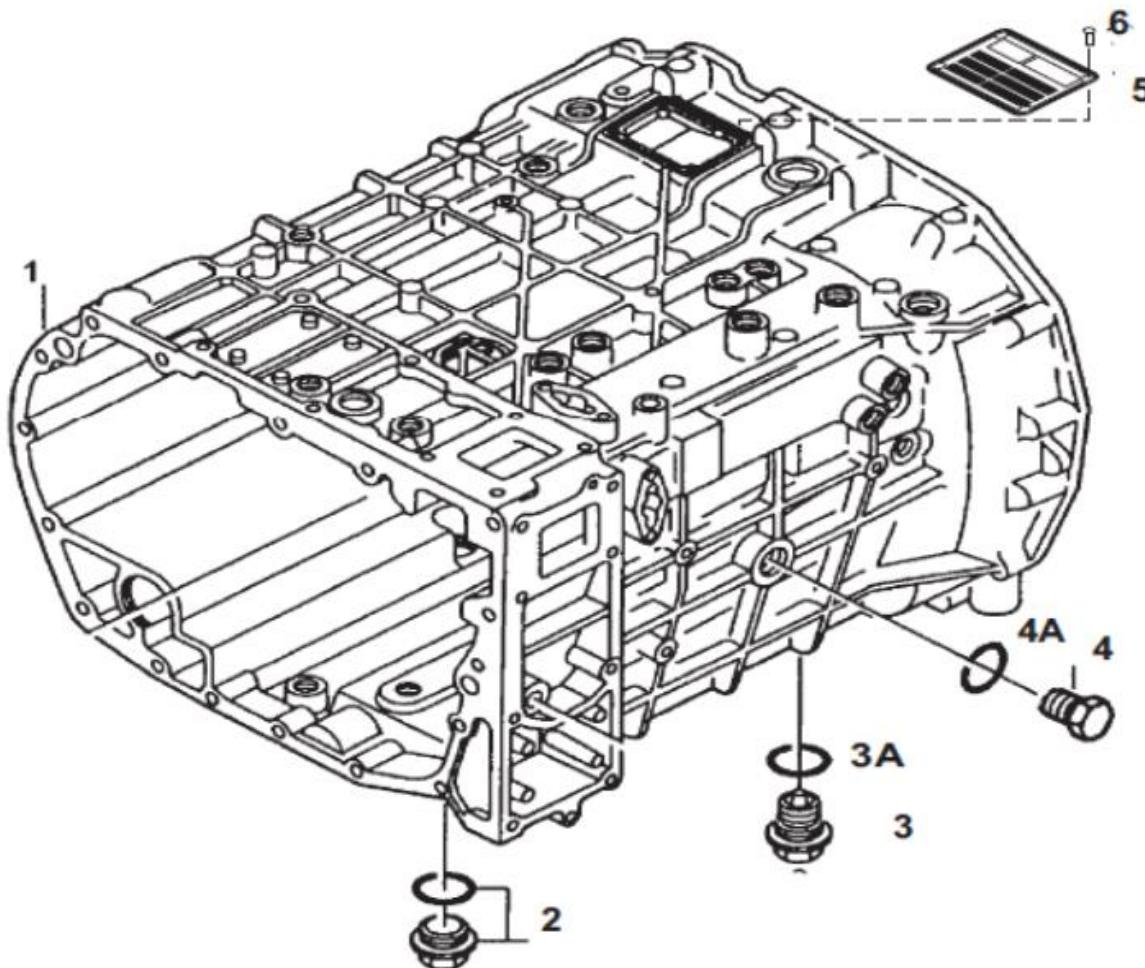
GEAR BOX ASSEMBLY - 9S1110 HH

Diagram No. 01

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32003-6034	GEAR BOX (9S1310-OD-HH)	1	COMMON FOR ALL MODELS WITH ZF 9S GEARBOX, EXCEPT RMC.	SUPERCEDED BY 64.32003-6037 FROM VIN CUT OFF 15060
1	64.32003-6028	GEAR BOX ASSY (9S1110-OD-HH)	1	COMMON FOR RMC MODELS WITH ZF 9S GEARBOX ONLY	SUPERCEDED BY 64.32003-6046
1	64.32003-6029	GEAR BOX ASSY (9S1110-DD HH)	1	COMMON FOR 40.220 TR , 49.220 TR , 31.220 HL ONLY	SUPERCEDED BY 64.32003-6039 FROM VIN CUT OFF 15273.
1	64.32003-6039	GEAR BOX 9S1110-TD HH RH SHIFT (SAE1)	1	COMMON FOR 40.220 TR , 49.220 TR , 31.220 HL ONLY	
		GEARBOX GASKET KITS			
1	64.96601-7001	GASKET KIT FOR 9S ZF GEAR BOX	1	FOR ZF 9S GEAR BOX	
1	64.96601-7002	GASKET KIT FOR 6S ZF GEAR BOX	1	FOR ZF 6S GEAR BOX	
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GEAR BOX HOUSING - 9S HH

Diagram No. 02

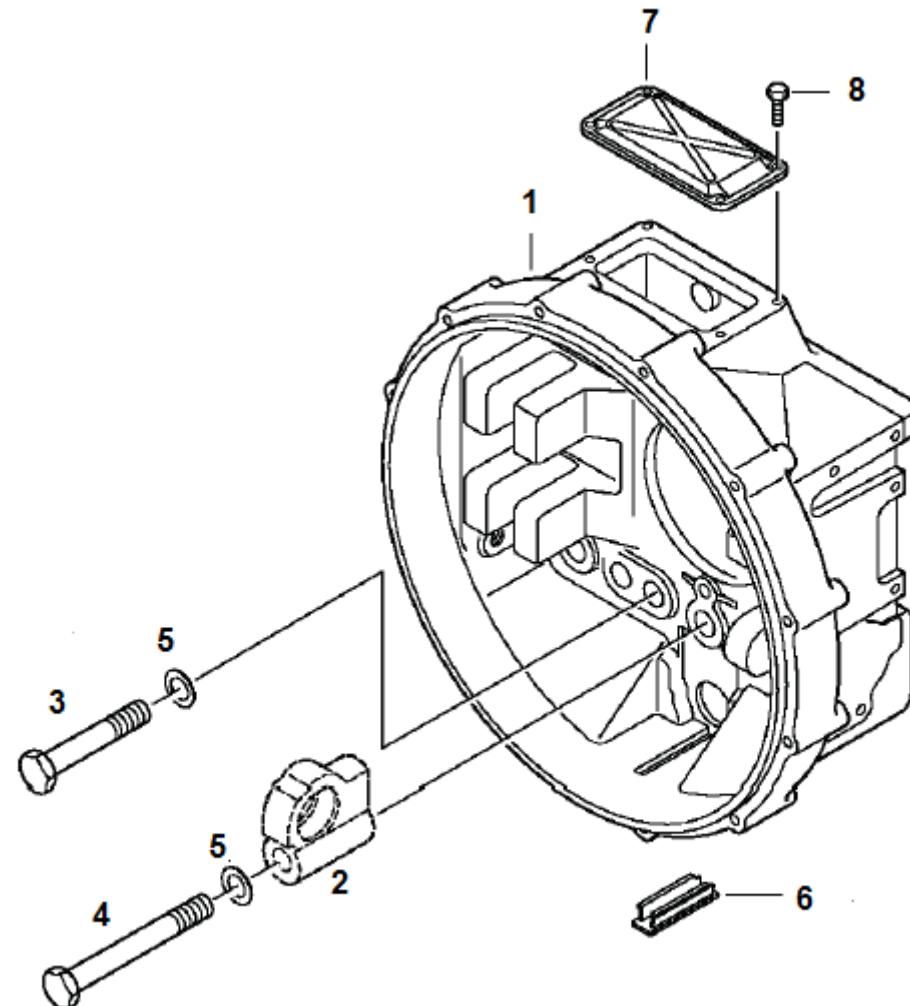


GEAR BOX HOUSING - 9S HH

Diagram No. 02

BELL HOUSING & MOUNTING - 9S HH

Diagram No. 03

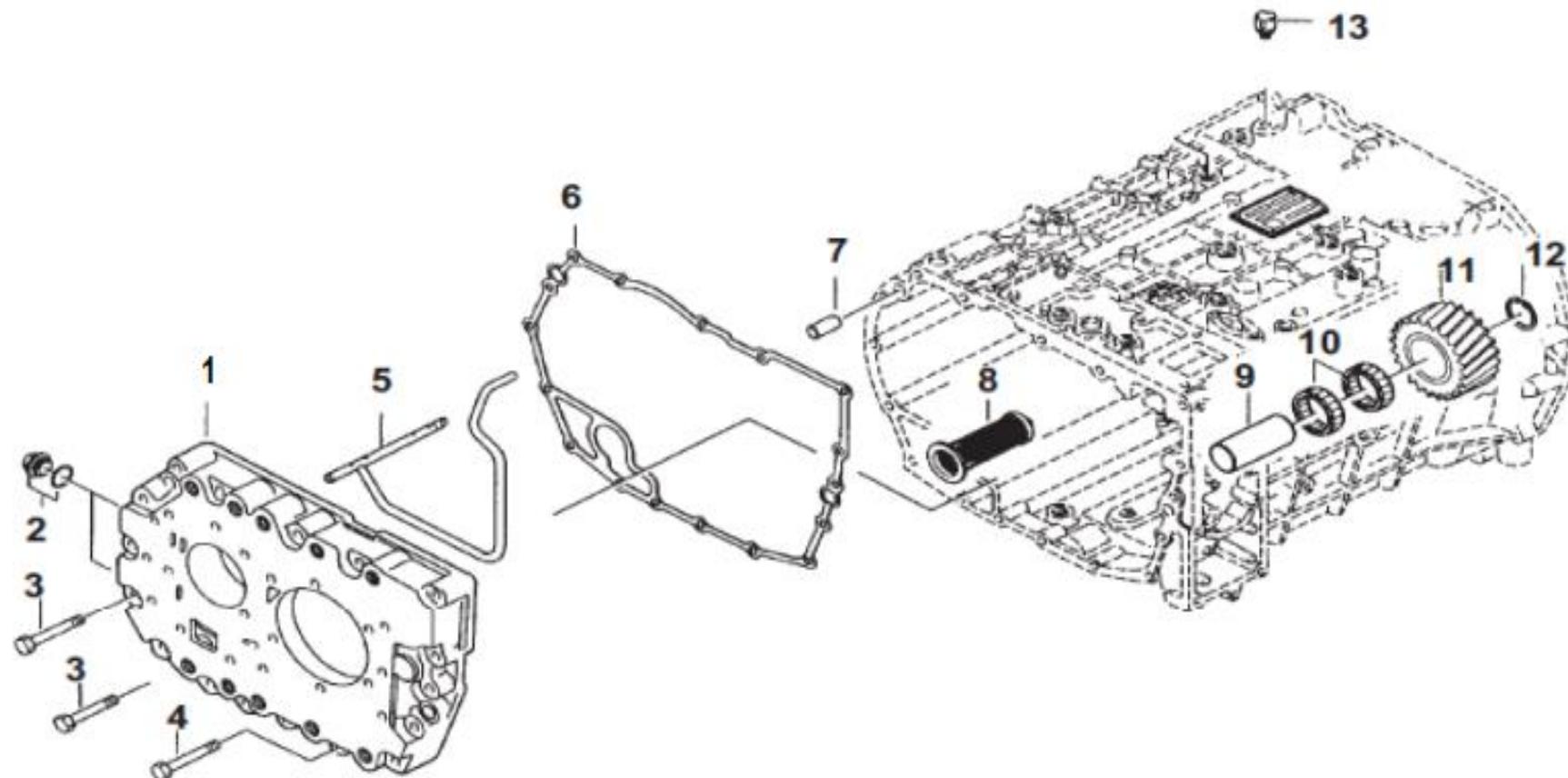


BELL HOUSING & MOUNTING - 9S HH

Diagram No. 03

FRONT HOUSING GEAR BOX - 9S HH

Diagram No. 04



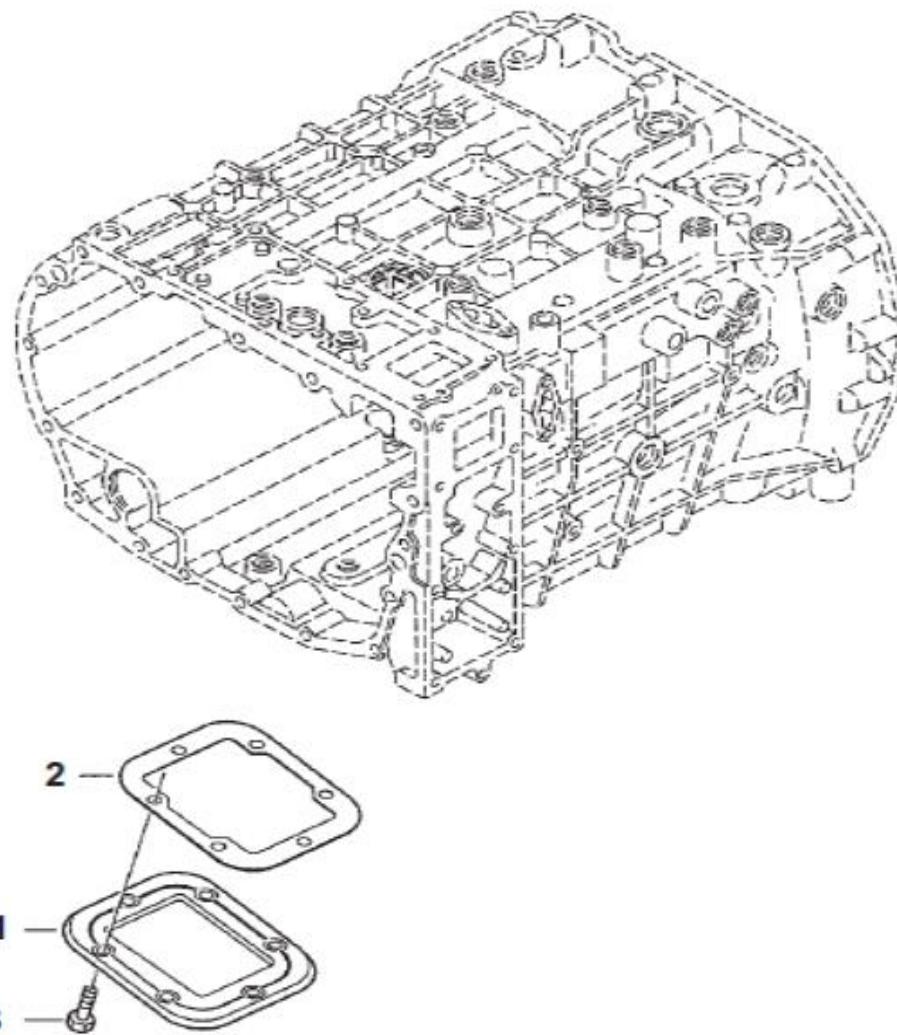
FRONT HOUSING GEAR BOX - 9S HH

Diagram No. 04

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32101-0002	HOUSING FRONT	1	COMMON FOR ZF 9S GEARBOX	
2	64.90490-0022	SCREW PLUG M16X1.5 DIN 910-ST A3C	2	COMMON FOR ZF 9S GEARBOX	
2	64.91710-0006	SEALING RING A16X20 DIN 7603 ST	2	COMMON FOR ZF 9S GEARBOX	
3	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	14	COMMON FOR ZF 9S GEARBOX	
3	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	14	COMMON FOR ZF 9S GEARBOX	
4	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	3	COMMON FOR ZF 9S GEARBOX	
4	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	3	COMMON FOR ZF 9S GEARBOX	
5	64.96330-0022	PIPE ASSLY	1	COMMON FOR ZF 9S GEARBOX	
6	64.96601-0015	GASKET	1	COMMON FOR ZF 9S GEARBOX	
7	64.91301-0004	CYLINDRICAL PIN 16M6X36 ZFN 6 NIROSTA	2	COMMON FOR ZF 9S GEARBOX	
8	64.99603-0001	SCREEN INSERT	1	COMMON FOR ZF 9S GEARBOX	
9	64.32523-0001	PIN (REV. IDLER GEAR)	1	COMMON FOR ZF 9S GEARBOX	
10	64.93420-0074	ROLLER CAGE 40X60X26 - FOR NRB	2	COMMON FOR ZF 9S GEARBOX	64.93420-0011 ALTERNATE
11	64.32501-0001	REV.IDLER GEAR	1	COMMON FOR ZF 9S GEARBOX	
12	64.90820-0008	CIRCLIP 40X1.75 DIN 472	1	COMMON FOR ZF 9S GEARBOX	
13	64.98181-6003	BREATHER	1	COMMON FOR ZF 6S & 9S GEARBOX	
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COVER - 9S HH

Diagram No. 05

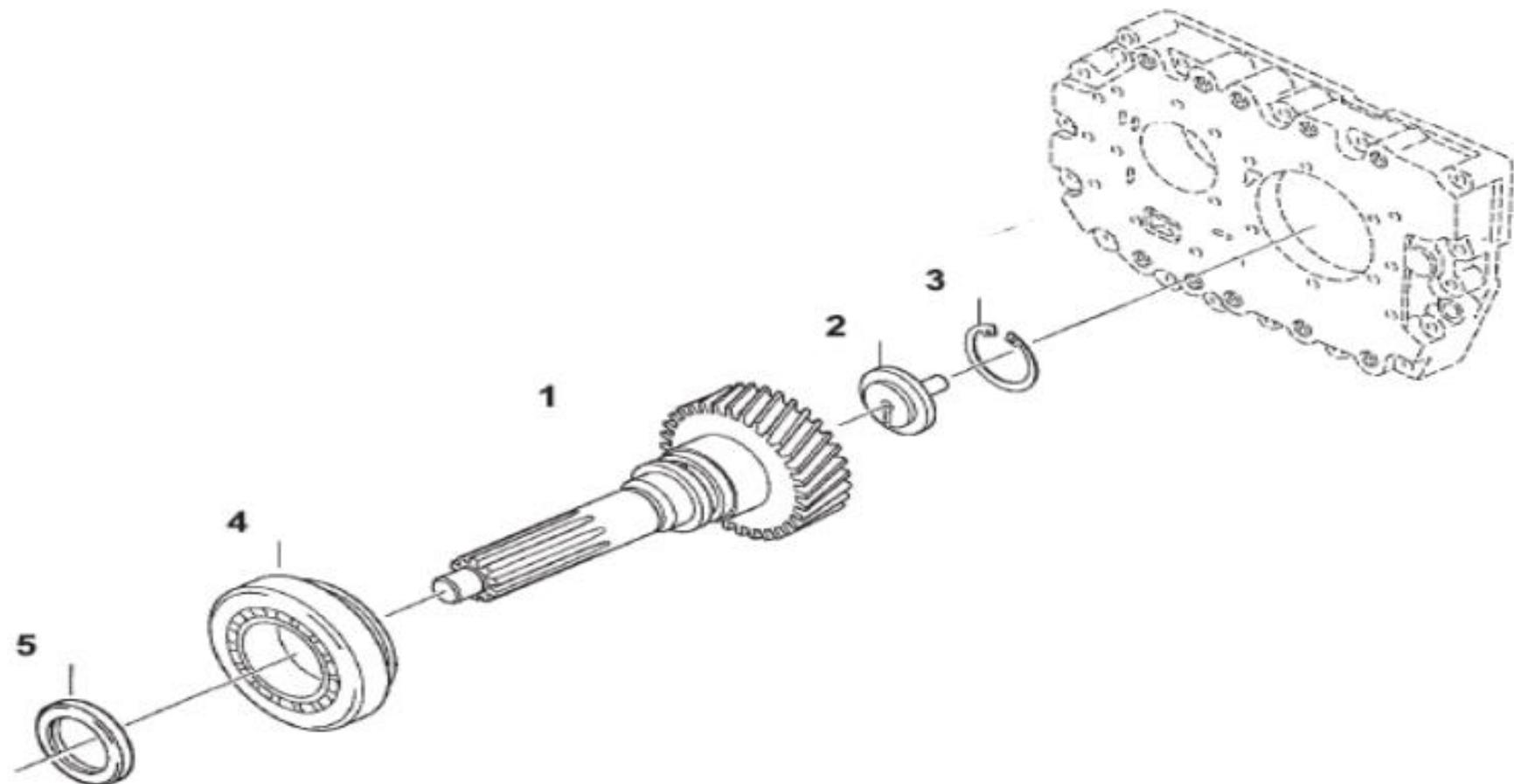


COVER - 9S HH

Diagram No. 05

INPUT SHAFT - 9S HH

Diagram No. 06



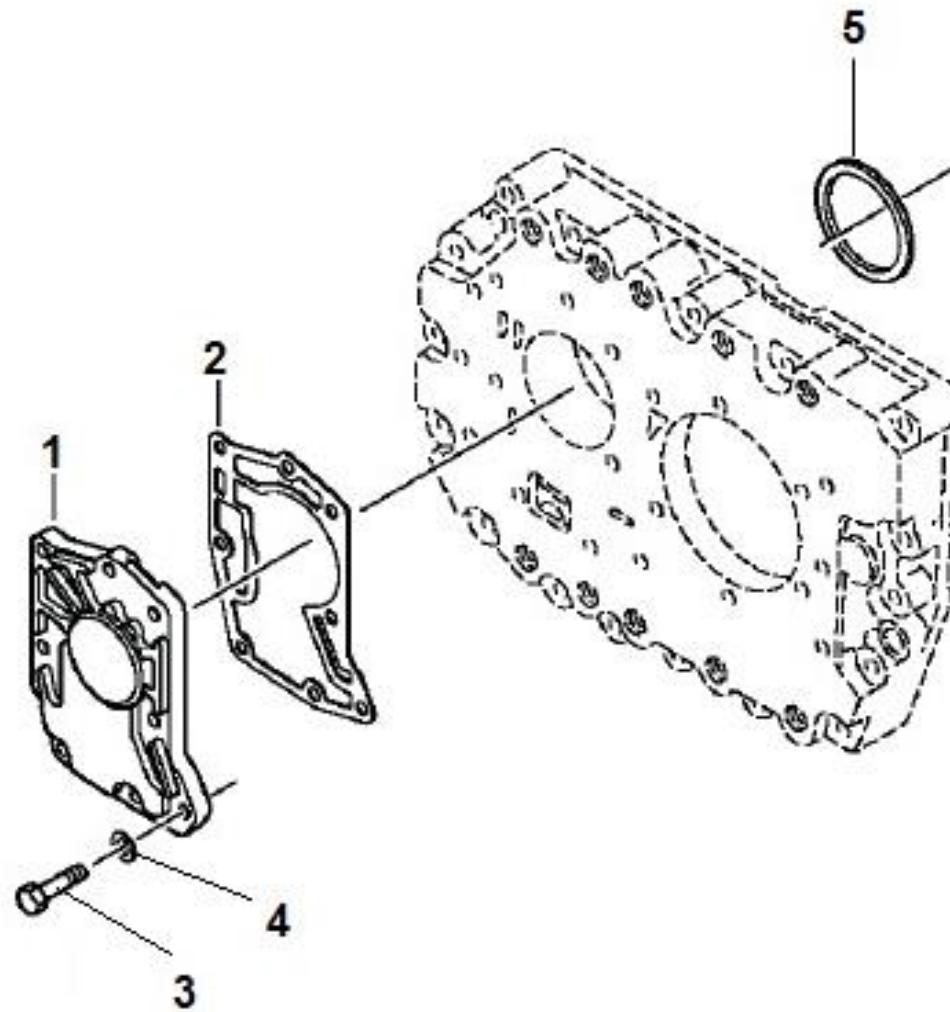
INPUT SHAFT - 9S HH
Diagram No. 06

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32206-0001	INPUT SHAFT	1	COMMON FOR ZF 9S OD GEARBOX ONLY	
1	64.32206-0008	INPUT SHAFT	1	COMMON FOR ZF 9S DD GEARBOX ONLY	40.220 TR,49.220 TR & 31.220 HL
2	64.32508-0004	COVER	1	COMMON FOR ZF 9S GEARBOX	
3	64.90810-0005	INTERNAL CIRCLIP 58X2 DIN 472	1	COMMON FOR ZF 9S GEARBOX	
4	64.93420-0006	TAPER ROLLER BRG. 71.4X120X32.50	1	COMMON FOR ZF 9S GEARBOX	64.93420-0079 ALTERNATE
5	64.32312-0000	SHIM 1.60MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0001	SHIM 1.55MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0002	SHIM 1.50MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0003	SHIM 1.45MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0004	SHIM 1.40MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0005	SHIM 1.35MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0006	SHIM 1.30 MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0007	SHIM 1.25MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0028	SHIM 1.20MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0029	SHIM 1.15MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0030	SHIM 1.10MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0031	SHIM 1.05MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0032	SHIM 1.00MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	

5	64.32312-0033	SHIM 0.95MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
5	64.32312-0034	SHIM 0.90MM THK	As reqd	COMMON FOR ZF 9S GEARBOX	
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GEAR BOX OIL PUMP

Diagram No. 07



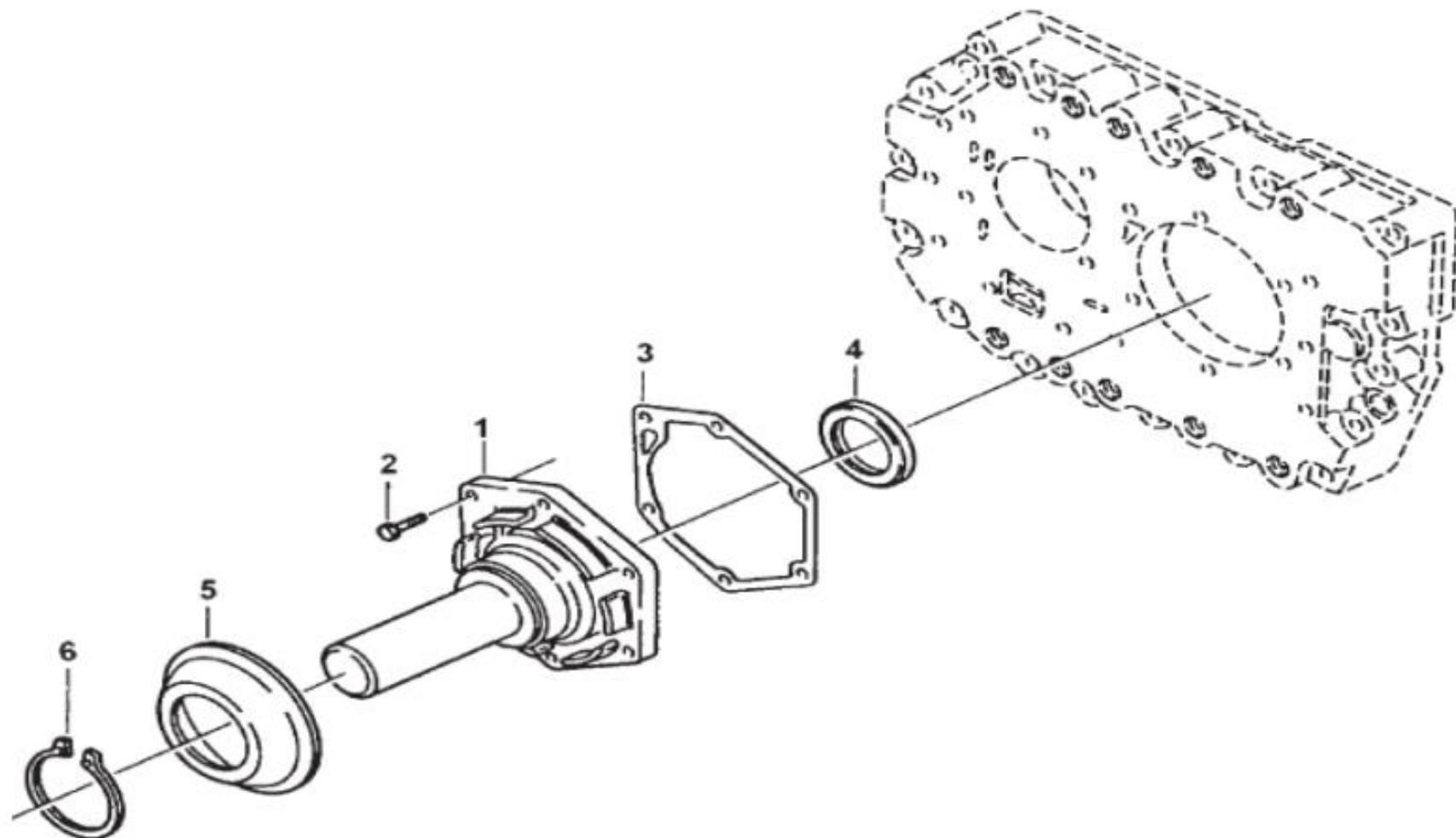
GEAR BOX OIL PUMP**Diagram No. 07**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32723-6003	OIL PUMP (GEAR BOX)	1		64.32723-6002 ALTERNATE
2	64.96601-0005	GASKET	1		
3	64.90020-0098	HHS M8 X 30 DIN 933 - 8.8 BTS 170202.22	8		
4	64.90801-0201	WAVE WASHER B 8 DIN 137 BTS 170202.12	8		
5	64.32312-0035	SHIM 1.40	1		
5	64.32312-0036	SHIM 1.45	As Reqd		
5	64.32312-0037	SHIM 1.50	As Reqd		
5	64.32312-0038	SHIM 1.55	As Reqd		
5	64.32312-0039	SHIM 1.60	As Reqd		
5	64.32312-0040	SHIM 1.65	As Reqd		
5	64.32312-0041	SHIM 1.70	As Reqd		
5	64.32312-0008	SHIM 1.75	As Reqd		
5	64.32312-0009	SHIM 1.80	As Reqd		
5	64.32312-0010	SHIM 1.85	As Reqd		
5	64.32312-0011	SHIM 1.90	As Reqd		
5	64.32312-0012	SHIM 1.95	As Reqd		
5	64.32312-0013	SHIM 2.00	As Reqd		
5	64.32312-0014	SHIM 2.05	As Reqd		

5	64.32312-0015	SHIM 2.10	As Reqd		
5	64.32312-0016	SHIM 2.15	As Reqd		
5	64.32312-0017	SHIM 2.20	As Reqd		
5	64.32312-0044	SHIM 1.35MM THK	As Reqd		
5	64.32312-0045	SHIM 1.30MM THK	As Reqd		
5	64.32312-0046	SHIM 1.25MM THK	As Reqd		
5	64.32312-0047	SHIM 1.20MM THK	As Reqd		
5	64.32312-0048	SHIM 2.40MM THK	As Reqd		
5	64.32312-0049	SHIM 2.35 MM THK	As Reqd		
5	64.32312-0050	SHIM 2.30 MM THK	As Reqd		
5	64.32312-0051	SHIM 2.25 MM THK	As Reqd		
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CONN. PLATE - 9S HH

Diagram No. 08

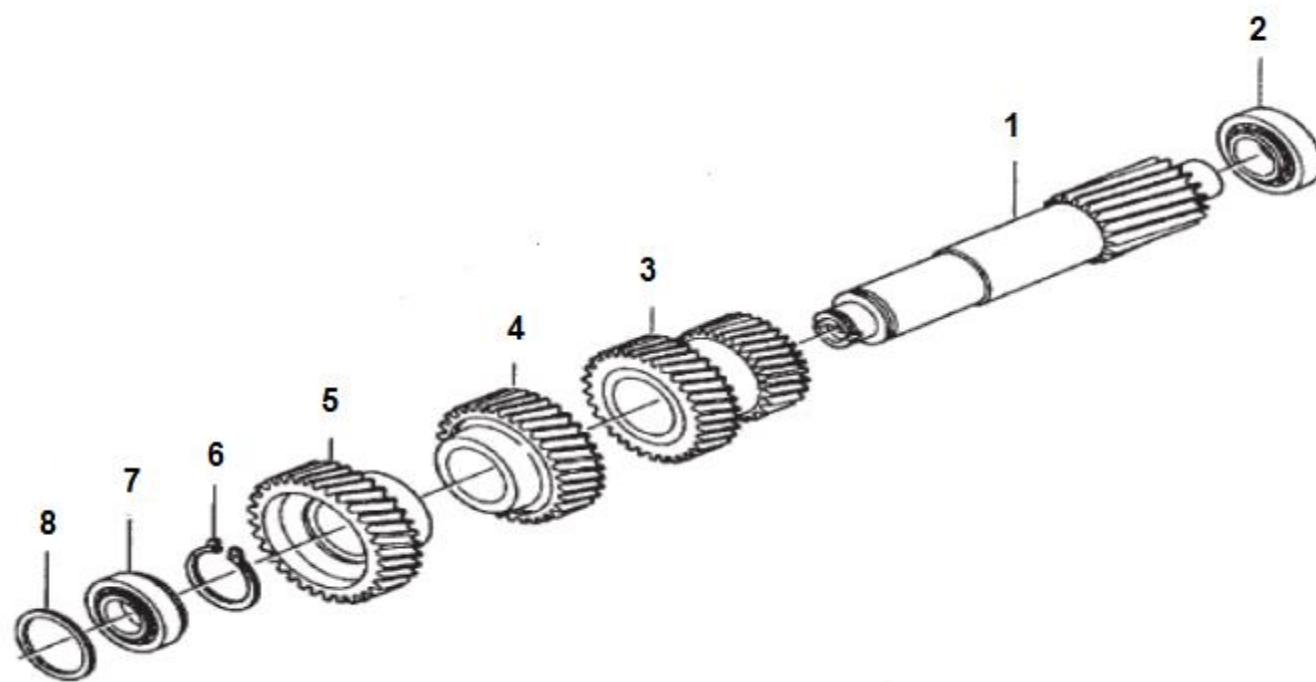


CONN. PLATE - 9S HH

Diagram No. 08

LAYSHAFT - 9S HH

Diagram No. 09



LAYSHAFT - 9S HH

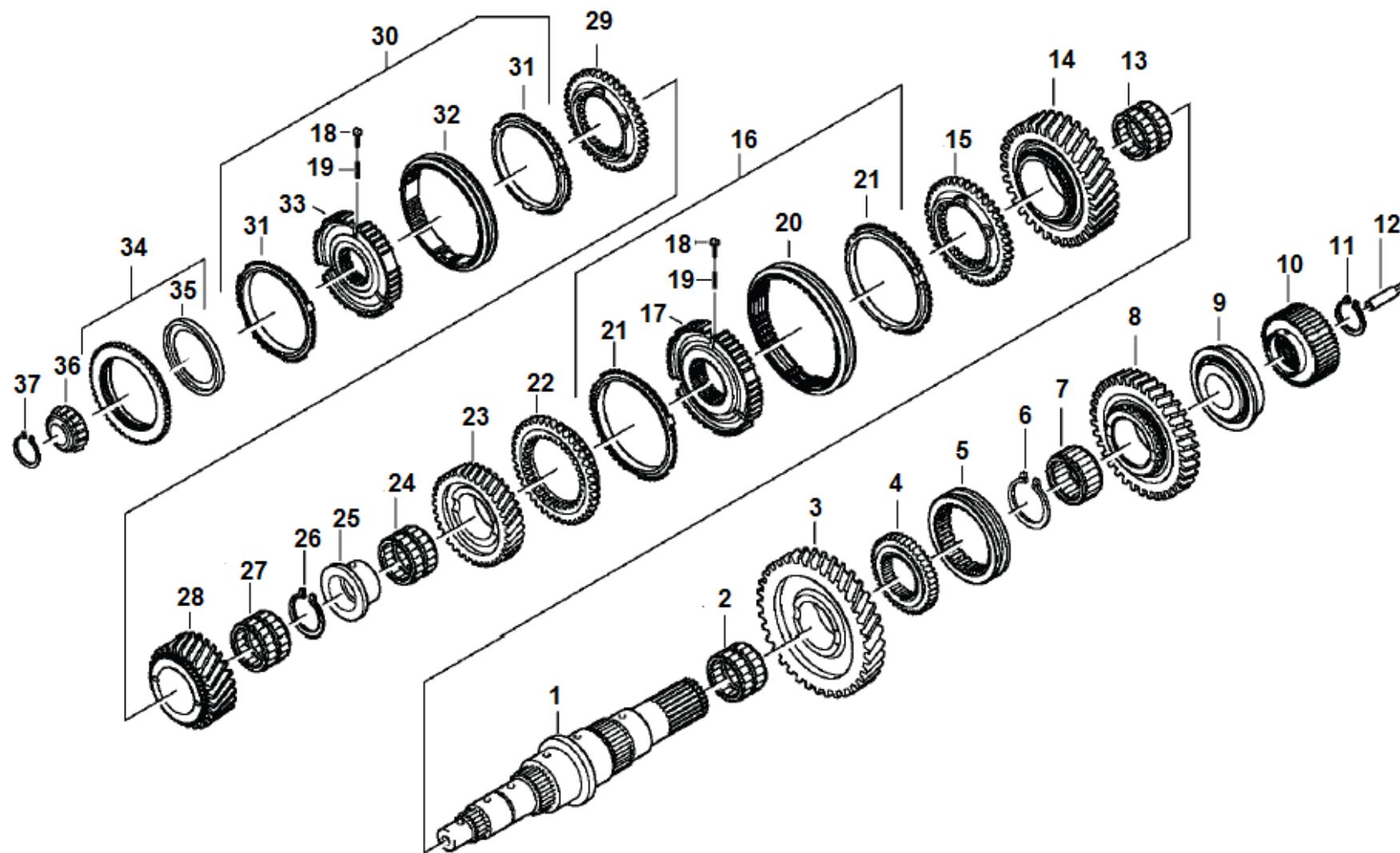
Diagram No. 09

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32205-0001	LAYSHAFT	1	COMMON FOR ZF 9S GEARBOX	
2	64.93420-0007	TAPER ROLLER BRG. 50.8X95.2X27.7 WTB	1	COMMON FOR ZF 9S GEARBOX	
3	64.32303-0001	DOUBLE GEAR (1/2)	1	COMMON FOR ZF 9S OD GEARBOX ONLY	
3	64.32303-0003	DOUBLE GEAR (1&2)	1	COMMON FOR ZF 9S DD GEARBOX ONLY	40.220TR , 49.220TR , 31.220 HL ONLY
4	64.32301-0001	HELICAL GEAR (4G LAY SHAFT)	1	COMMON FOR ZF 9S OD GEARBOX ONLY	
4	64.32301-0036	3RD GEAR ON LAYSHAFT	1	COMMON FOR ZF 9S DD GEARBOX ONLY	40.220TR , 49.220TR , 31.220 HL ONLY
5	64.32301-0002	HELICAL GEAR (CONSTANT MESH)	1	COMMON FOR ZF 9S OD GEARBOX ONLY	
5	64.32301-0035	CONSTANT MESH GEAR ON L/S	1	COMMON FOR ZF 9S DD GEARBOX ONLY	40.220TR , 49.220TR , 31.220 HL ONLY
6	64.90810-0006	EXT.CIRCLIP 58X2 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0007	EXT.CIRCLIP 58X2.1 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0008	EXT.CIRCLIP 58X2.2 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0009	EXT.CIRCLIP 58X2.3 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0010	EXT.CIRCLIP 58X2.4 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0011	EXT.CIRCLIP 58X2.5 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
7	64.93420-0078	TAPER ROLLER BEARING 40X85X33	1	COMMON FOR ZF 9S GEARBOX	64.93420-0073 ALTERNATE
8	64.32312-0011	SHIM 1.90	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0012	SHIM 1.95	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0013	SHIM 2.00	As reqd	COMMON FOR ZF 9S GEARBOX	

8	64.32312-0014	SHIM 2.05	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0015	SHIM 2.10	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0016	SHIM 2.15	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0017	SHIM 2.20	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0035	SHIM 1.40	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0036	SHIM 1.45	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0037	SHIM 1.50	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0038	SHIM 1.55	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0039	SHIM 1.60	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0040	SHIM 1.65	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0041	SHIM 1.70	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0008	SHIM 1.75	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0009	SHIM 1.80	As reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32312-0010	SHIM 1.85	As reqd	COMMON FOR ZF 9S GEARBOX	
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MAINSHAFT - 9S HH

Diagram No. 10



MAINSHAFT - 9S HH

Diagram No. 10

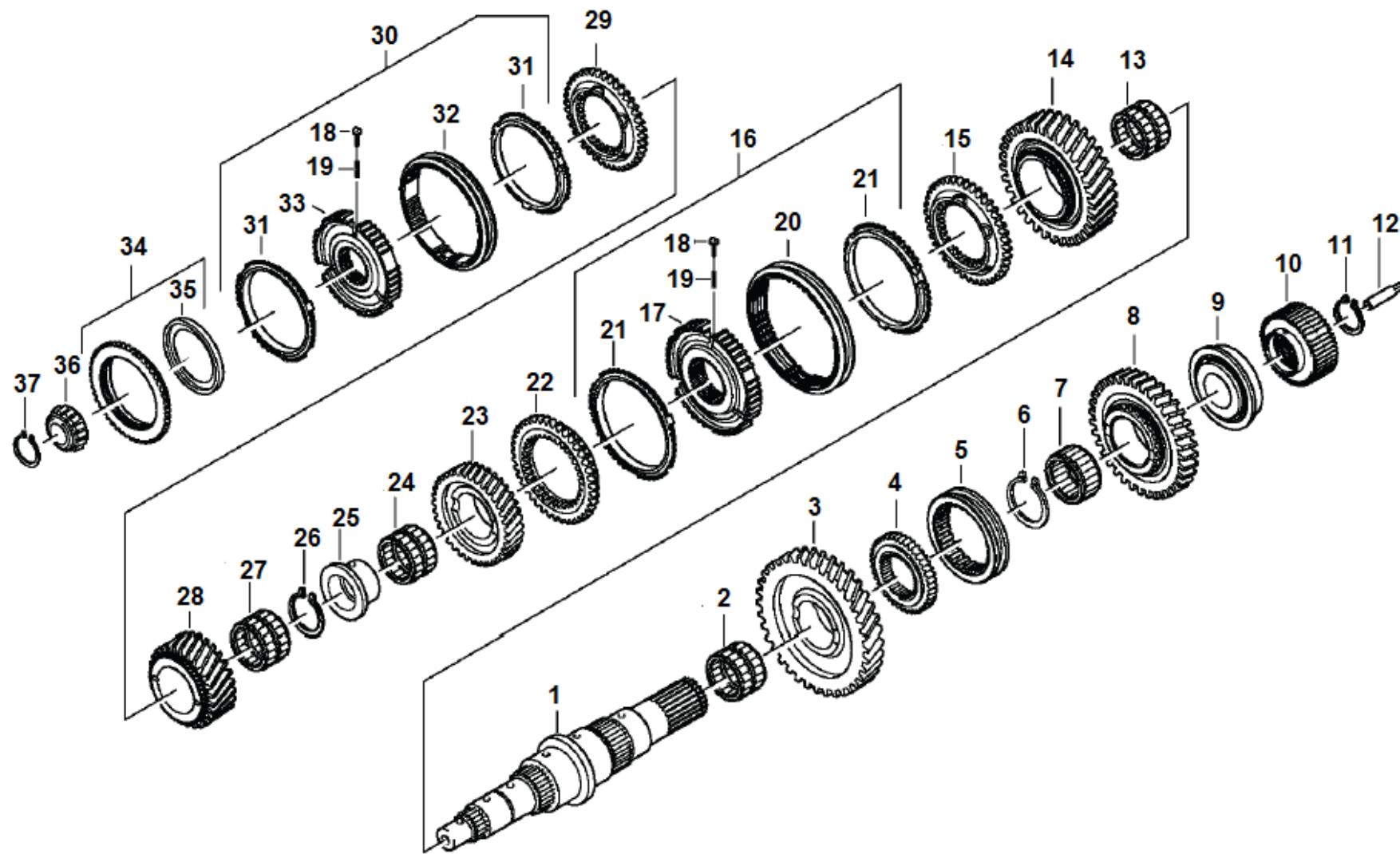
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32202-0001	MAIN SHAFT	1	COMMON FOR ZF 9S GEARBOX	
2	64.93401-0006	NEEDLE CAGE 75X83X35 (CR. GEAR)	1	COMMON FOR ZF 9S GEARBOX	SUPERCEDED BY 64.93401-0022
2	64.93401-0022	NEEDLE CAGE 75X83X35 FOR NRB	1	COMMON FOR ZF 9S GEARBOX	
3	64.32301-0003	HELICAL GEAR (CR)	1	COMMON FOR ZF 9S GEARBOX	
4	64.32402-0001	SLEEVE CARRIER (R/Cr)	1	COMMON FOR ZF 9S GEARBOX	
5	64.32402-0002	SLIDING SLEEVE (R/Cr)	1	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0017	EXT.CIRCLIP 60X2.8 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0016	EXT.CIRCLIP 60X2.7 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0015	EXT.CIRCLIP 60X2.6 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0014	EXT.CIRCLIP 60X2.5 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
6	64.90810-0012	EXT.CIRCLIP 60X2.4 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
7	64.93401-0013	NEEDLE CAGE 60X68X39 INA	1	COMMON FOR ZF 9S GEARBOX	SUPERCEDED BY 64.93401-0025
8	64.32301-0004	HELICAL GEAR (REV)	1	COMMON FOR ZF 9S GEARBOX	
9	64.93420-0009	TAPER ROLLER BRG.50.8X104.7X36.5 (ABC)	1	COMMON FOR ZF 9S GEARBOX	64.93420-0072, 64.93420-0080 & 64.93420-0009 ARE ALTERNATE
10	64.32301-0005	SUN GEAR	1	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0040	EXT.CIRCLIP 50X3.2DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0039	EXT.CIRCLIP 50X3.15 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0038	EXT.CIRCLIP 50X3.10 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	

11	64.90810-0037	EXT.CIRCLIP 50X3.05 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0036	EXT.CIRCLIP 50X3 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0035	EXT.CIRCLIP 50X2.95DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0034	EXT.CIRCLIP 50X2.9 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0033	EXT.CIRCLIP 50X2.85 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0032	EXT.CIRCLIP 50X2.8 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0031	EXT.CIRCLIP 50X2.75 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0030	EXT.CIRCLIP 50X2.70 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0029	EXT.CIRCLIP 50X2.65 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0028	EXT.CIRCLIP 50X2.60 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0027	EXT.CIRCLIP 50X2.55 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0026	EXT.CIRCLIP 50X2.50 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0025	EXT.CIRCLIP 50X2.45 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0024	EXT.CIRCLIP 50X2.40 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0023	EXT.CIRCLIP 50X2.35 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0022	CIRCLIP 50X2.30 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0021	EXT.CIRCLIP 50X2.25 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0020	EXT.CIRCLIP 50X2.20 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0019	EXT.CIRCLIP 50X2.15 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	
11	64.90810-0018	EXT.CIRCLIP 50X2.1 DIN 471	As reqd	COMMON FOR ZF 9S GEARBOX	

12	64.96330-0024	PIPE	1	COMMON FOR ZF 9S GEARBOX	
13	64.93401-0008	NEEDLE CAGE	2	COMMON FOR ZF 9S GEARBOX	SUPERCEDED BY 64.93401-0024
13	64.93401-0024	NEEDLE CAGE (75X83X23) FOR NRB	2	COMMON FOR ZF 9S GEARBOX	
14	64.32301-0006	HELICAL GEAR (1G ON MAIN SHAFT)	1	COMMON FOR ZF 9S GEARBOX	
15	64.32423-0001	CLUTCH BODY (1ST GEAR)	1	COMMON FOR ZF 9S GEARBOX	
16	64.32420-4001	SYNCHRONISER ASSY (1/2)	1	COMMON FOR ZF 9S GEARBOX	
17	64.32420-0001	SYNCHRONISER BODY 1/2	1	COMMON FOR ZF 9S GEARBOX	
18	64.32420-0004	PRESSURE PIECE	6	COMMON FOR ZF 9S & 6S GEARBOX	
19	64.97601-0012	COMPRESSON SPRING	6	COMMON FOR ZF 6S & 9S GEARBOX	
20	64.32402-0003	SLIDING SLEEVE (1/2)	1	COMMON FOR ZF 9S GEARBOX	
21	64.32420-0002	SYNCHRO.RING 1/2	2	COMMON FOR ZF 9S GEARBOX	
22	64.32423-0001	CLUTCH BODY (1ST GEAR)	1	COMMON FOR ZF 9S GEARBOX	
23	64.32301-0007	HELICAL GEAR	1	COMMON FOR ZF 9S GEARBOX	
24	64.93401-0023	NEEDLE CAGE (K75X83X40) - FOR NRB	1	COMMON FOR ZF 9S GEARBOX	64.93401-0012 ALTERNATE
24	64.93401-0012	NEEDLE CAGE -INA	1	COMMON FOR ZF 9S GEARBOX	64.93401-0023 ALTERNATE
25	64.93021-0005	BUSH	1	COMMON FOR ZF 9S GEARBOX	
26	64.90810-0012	EXT.CIRCLIP 60X2.4 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
26	64.90810-0045	EXT.CIRCLIP 60X2.3 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
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MAINSHAFT - 9S HH

Diagram No. 10



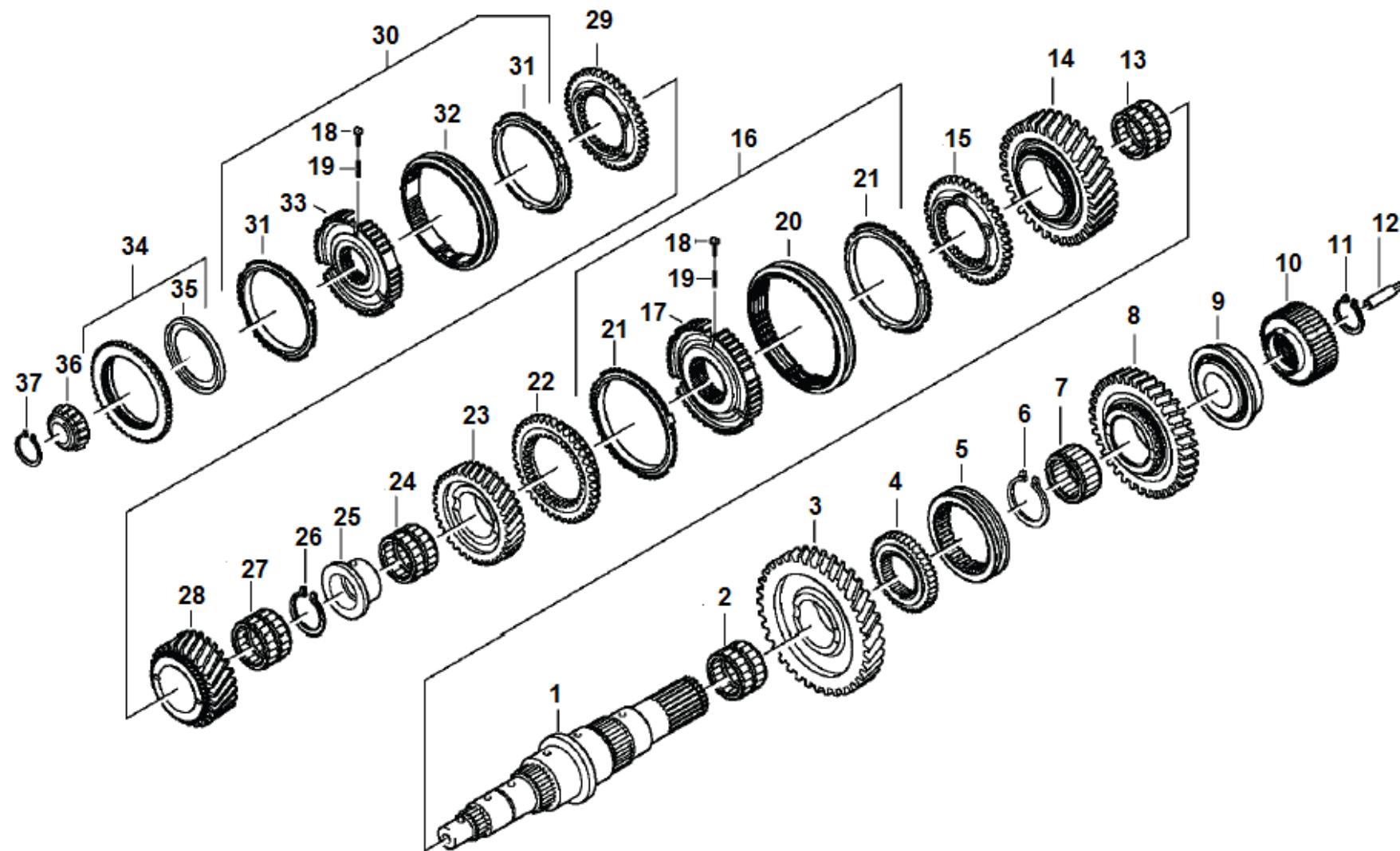
MAINSHAFT - 9S HH

Diagram No. 10

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
26	64.90810-0044	EXT.CIRCLIP 60X2.2 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
26	64.90810-0043	EXT.CIRCLIP 60X2.1 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
26	64.90810-0042	EXT.CIRCLIP 60X2. DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
26	64.90810-0041	EXT.CIRCLIP 60X1.9 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
27	64.93401-0010	NEEDLE CAGE (60X68X25) (4TH GEAR)	2	COMMON FOR ZF 9S GEARBOX	SUPERCEDED BY 64.93401-0027
28	64.32301-0008	HELICAL GEAR (4G ON MAIN SHAFT)	1	COMMON FOR ZF 9S OD GEARBOX ONLY	
28	64.32301-0037	3RD GEAR ON MAIN SHAFT	1	COMMON FOR ZF 9S DD GEARBOX ONLY	40.220TR , 49.220TR , 31.220 HL ONLY
29	64.32423-0002	CLUTCH BODY (3/4)	1	COMMON FOR ZF 9S GEARBOX	
30	64.32420-4002	SYNCRONISER ASSLY (3,4)	1	COMMON FOR ZF 9S GEARBOX	
31	64.32420-0006	SYN. RING (3/4)	2	COMMON FOR ZF 9S GEARBOX	
32	64.32402-0004	SLIDING SLEEVE (3/4)	1	COMMON FOR ZF 9S GEARBOX	
33	64.32420-0005	SYNCHRONISER BODY 3/4	1	COMMON FOR ZF 9S GEARBOX	
34	64.32423-4001	CLUTCH BODY ASSY (INPUT SHAFT)	1	COMMON FOR ZF 9S GEARBOX	
35	64.99614-0001	OIL DAM (OIL SEAL)	1	COMMON FOR ZF 9S GEARBOX	
36	64.93420-0010	TAPER ROLLER BEARING 42X40.30 WTB	1	COMMON FOR ZF 9S GEARBOX	
37	64.90810-0051	EXT.CIRCLIP 42X2.5 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
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MAINSHAFT - 9S HH

Diagram No. 10

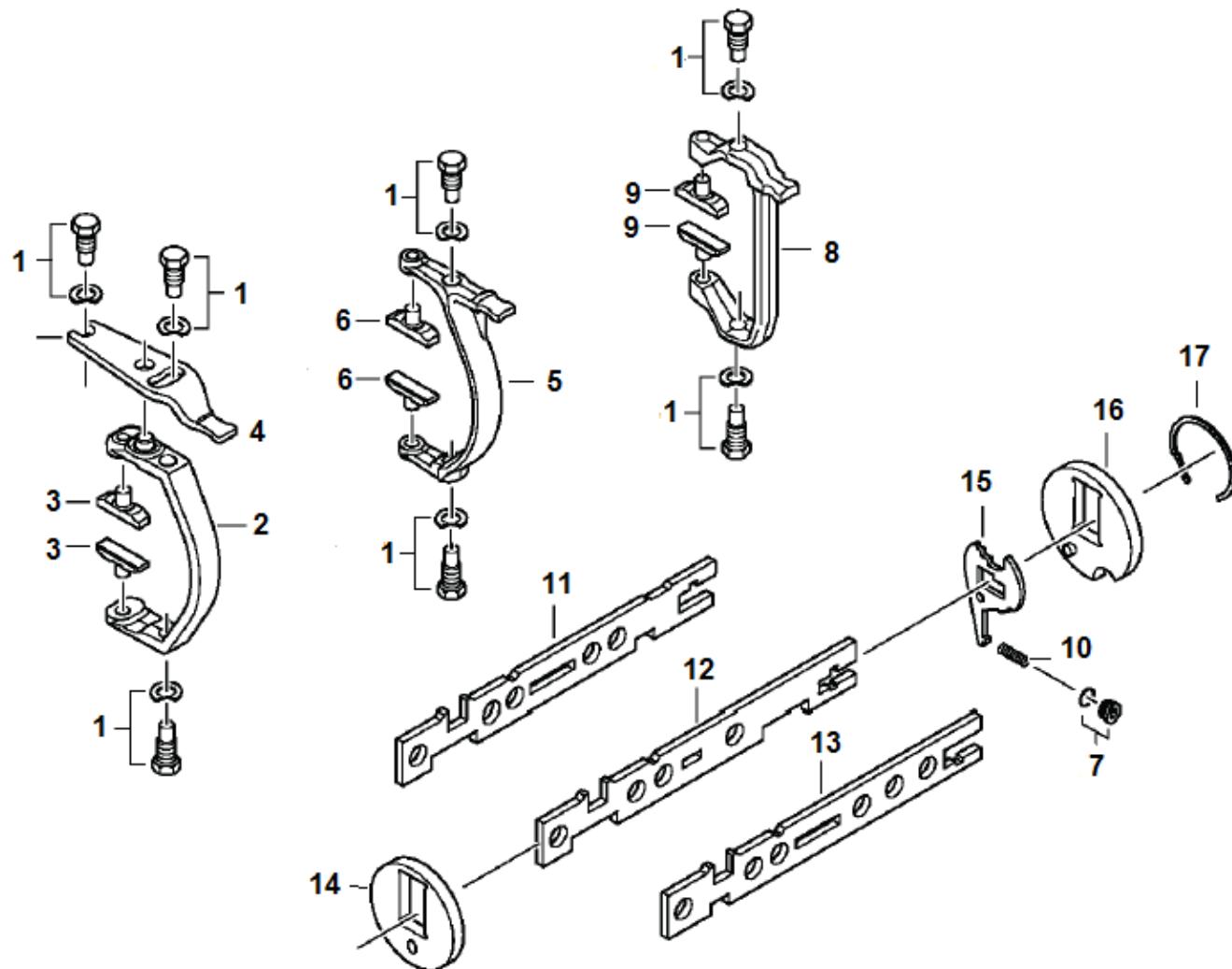


MAINSHAFT - 9S HH

Diagram No. 10

GEAR SHIFT SYSTEM - 9S HH (OD GB)

Diagram No. 11



GEAR SHIFT SYSTEM - 9S HH (OD GB)

Diagram No. 11

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90490-0003	ARTICULATION BOLT	7	COMMON FOR ZF 9S GEARBOX	
1	64.90801-0004	SPRING WASHER	7	COMMON FOR ZF 6S & 9S GEARBOX	
2	64.32515-0001	GEAR SHIFT FORK 3/4	1	FOR ZF 9S OD GEARBOX ONLY	
3	64.32526-0007	SLIDING PAD	2	FOR ZF 9S OD GEARBOX ONLY	
4	64.32530-0001	RELAY LEVER (3/4)	1	FOR ZF 9S OD GEARBOX ONLY.	64.32530-0015 ALTERNATE.
5	64.32515-0002	GEARSHIFTFORK (1/2)	1	COMMON FOR ZF 9S GEARBOX	
6	64.32526-0001	SLIDING PAD	2	COMMON FOR ZF 9S GEARBOX	
7	64.90490-0019	SCREW PLUG M14X1.5 DIN 908 ST A3C	1	COMMON FOR ZF 9S GEARBOX	
7	64.98701-0005	SEALING RING 1.50MM THK	1	COMMON FOR ZF 9S GEARBOX	
8	64.32515-0021	GEAR SHIFT FORK (R/CR)	1	COMMON FOR ZF 9S GEARBOX	
9	64.32526-0002	SLIDING PAD	2	COMMON FOR ZF 9S GEARBOX	
10	64.97601-0002	COMPRESSION SPRING	1	COMMON FOR ZF 9S GEARBOX	
11	64.32518-0001	GEAR SHIFT RAIL 3/4	1	COMMON FOR ZF 9S GEARBOX	
12	64.32518-0002	GEAR SHIFT RAIL 1/2	1	COMMON FOR ZF 9S GEARBOX	
13	64.32518-0021	GEAR SHIFT RAIL (R/C)	1	COMMON FOR ZF 9S GEARBOX	
14	64.32522-0001	BEARING PLATE	1	COMMON FOR ZF 9S GEARBOX	
15	64.32530-0002	LOCKING LEVER	1	COMMON FOR ZF 9S GEARBOX	
16	64.97680-0002	BEARING PLATE	1	COMMON FOR ZF 9S GEARBOX	
17	64.90810-0001	SNAP RING	1	COMMON FOR ZF 9S GEARBOX	

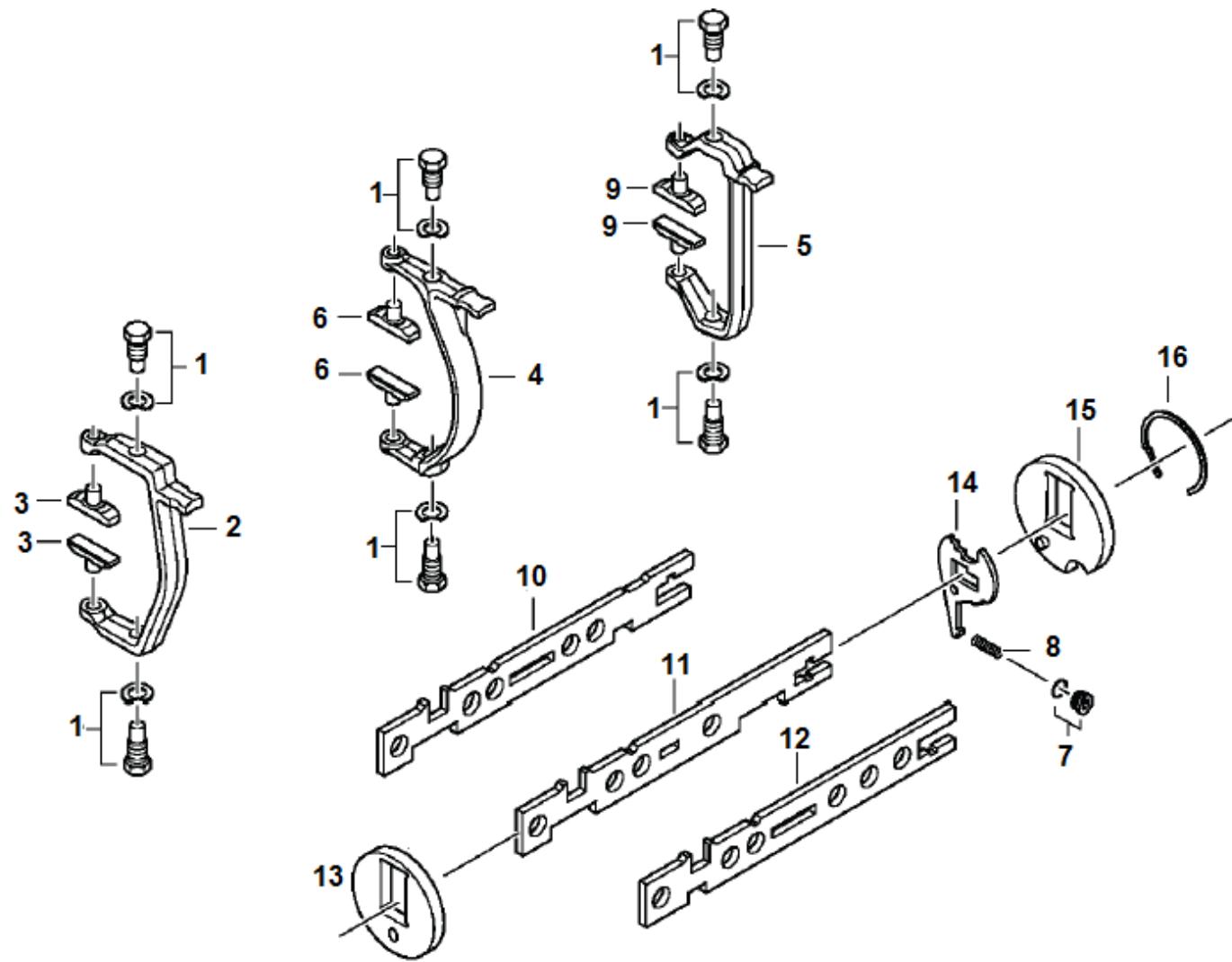
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GEAR SHIFT SYSTEM - 9S HH (DD GB)

Diagram No. 12



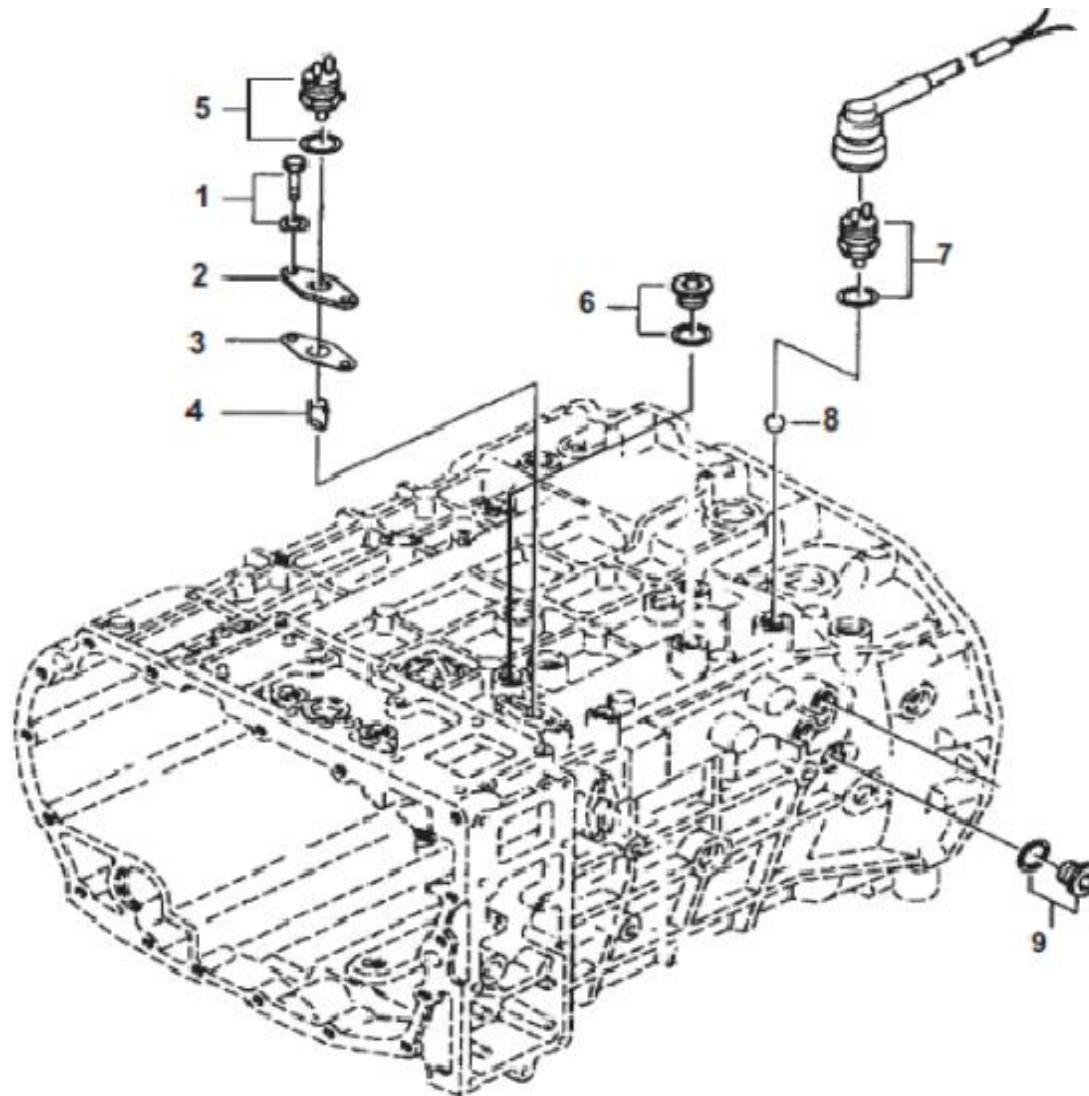
GEAR SHIFT SYSTEM - 9S HH (DD GB)

Diagram No. 12

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90490-0003	ARTICULATION BOLT	6	COMMON FOR ZF 9S GEARBOX	
1	64.90801-0004	SPRING WASHER	6	COMMON FOR ZF 6S & 9S GEARBOX	
2	64.32515-0026	GEAR SHIFT FORK 3/4	1	FOR ZF 9S DD GEARBOX ONLY	
3	64.32526-0001	SLIDING PAD	2	FOR ZF 9S DD GEARBOX ONLY	
4	64.32515-0002	GEARSHIFTFORK (1/2)	1	COMMON FOR ZF 9S GEARBOX	
5	64.32515-0021	GEAR SHIFT FORK (R/CR)	1	COMMON FOR ZF 9S GEARBOX	
6	64.32526-0001	SLIDING PAD	2	COMMON FOR ZF 9S GEARBOX	
7	64.90490-0019	SCREW PLUG M14X1.5 DIN 908 ST A3C	1	COMMON FOR ZF 9S GEARBOX	
7	64.98701-0005	SEALING RING 1.50MM THK	1	COMMON FOR ZF 9S GEARBOX	
8	64.97601-0002	COMPRESSION SPRING	1	COMMON FOR ZF 9S GEARBOX	
9	64.32526-0002	SLIDING PAD	2	COMMON FOR ZF 9S GEARBOX	
10	64.32518-0001	GEAR SHIFT RAIL 3/4	1	COMMON FOR ZF 9S GEARBOX	
11	64.32518-0002	GEAR SHIFT RAIL 1/2	1	COMMON FOR ZF 9S GEARBOX	
12	64.32518-0021	GEAR SHIFT RAIL (R/C)	1	COMMON FOR ZF 9S GEARBOX	
13	64.32522-0001	BEARING PLATE	1	COMMON FOR ZF 9S GEARBOX	
14	64.32530-0002	LOCKING LEVER	1	COMMON FOR ZF 9S GEARBOX	
15	64.97680-0002	BEARING PLATE	1	COMMON FOR ZF 9S GEARBOX	
16	64.90810-0001	SNAP RING	1	COMMON FOR ZF 9S GEARBOX	
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GEAR SHIFT SYSTEM CONNECTING PARTS - 9S HH

Diagram No. 13



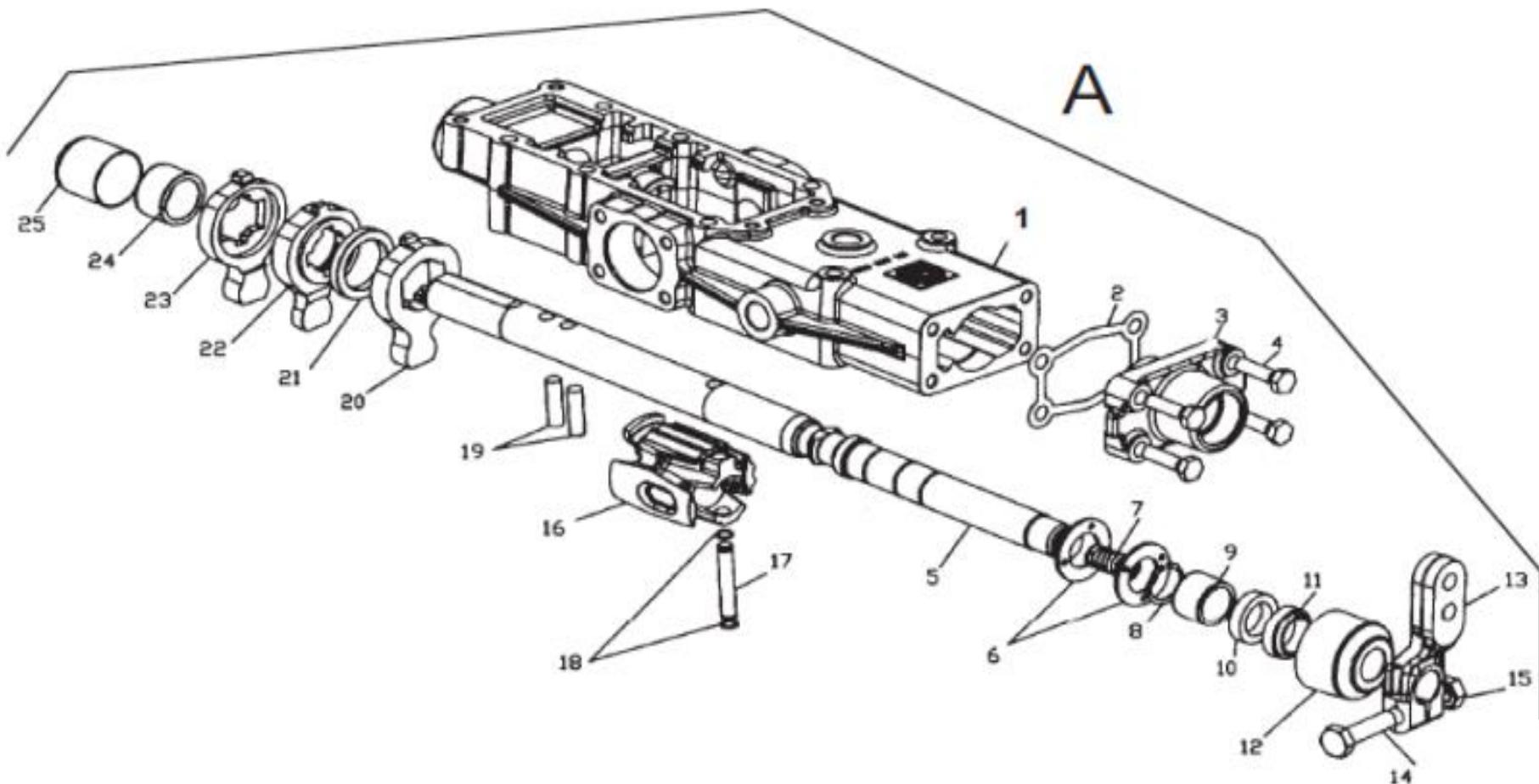
GEAR SHIFT SYSTEM CONNECTING PARTS - 9S HH

Diagram No. 13

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90020-0132	HEX HEAD SCREW M8X28 DIN933-8.8 A3C	2	COMMON FOR ZF 9S GEARBOX	
1	64.90801-0201	WAVE WASHER B 8 DIN 137 BTS 170202.12	2	COMMON FOR ZF 6S & 9S GEARBOX	
2	64.97680-0003	PLATE	1	COMMON FOR ZF 9S GEARBOX	
3	64.96601-0006	GASKET	1	COMMON FOR ZF 9S GEARBOX	
4	64.32523-4001	PIN ASSLY	1	COMMON FOR ZF 9S GEARBOX ONLY	
5	64.25525-0001	SWITCH	1	COMMON FOR ZF 9S GEARBOX	
5	64.91710-0003	SEALING RING A18X24 DIN 7603-AL	1	COMMON FOR ZF 6S & 9S GEARBOX	
6	64.90490-0037	LOCKING BOLT M18X1.5-ST-A3C DIN 908	1	COMMON FOR ZF 9S GEARBOX	
6	64.91710-0003	SEALING RING A18X24 DIN 7603-AL	1	COMMON FOR ZF 6S & 9S GEARBOX	
7	64.25525-0001	SWITCH	1	COMMON FOR ZF 9S GEARBOX	
7	64.91710-0003	SEALING RING A18X24 DIN 7603-AL	1	COMMON FOR ZF 6S & 9S GEARBOX	
8	64.96481-0004	BALL 13G20 DIN 5401	1	COMMON FOR ZF 9S GEARBOX	
9	64.90490-0019	SCREW PLUG M14X1.5 DIN 908 ST A3C	1	COMMON FOR ZF 9S GEARBOX	
9	64.98701-0005	SEALING RING 1.50MM THK	1	COMMON FOR ZF 9S GEARBOX	
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GEAR SHIFT HOUSING ASSLY - 9S HH

Diagram No. 14



GEAR SHIFT HOUSING ASSLY - 9S HH

Diagram No. 14

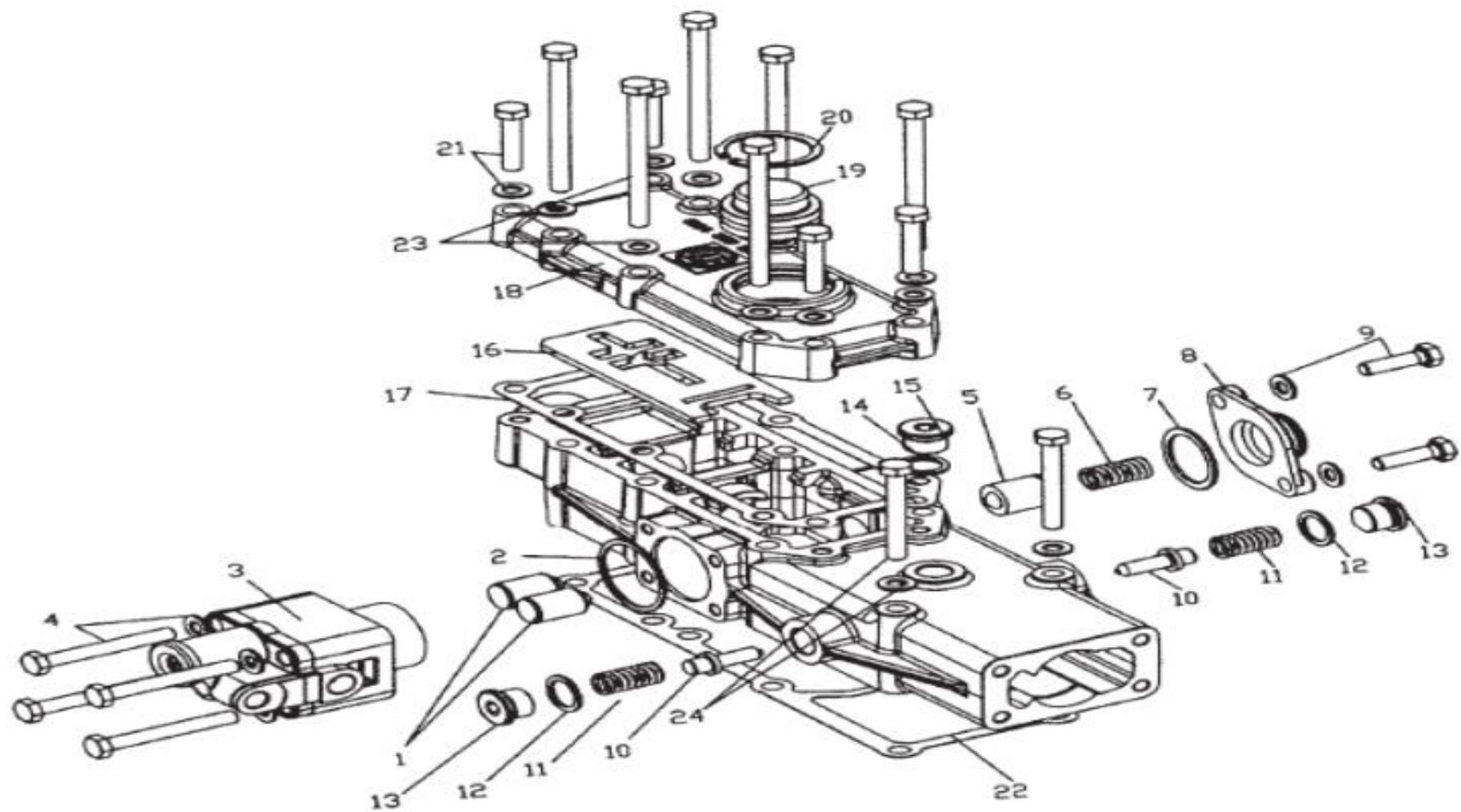
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
A	64.32103-4006	GEAR SHIFT HOUSING ASSEMBLY	1	COMMON FOR ZF 9S GEARBOX	
1	64.32103-0012	GEAR SHIFT HOUSING (HH)	1	COMMON FOR ZF 9S GEARBOX	
2	64.96601-0007	GASKET	1	COMMON FOR ZF 9S GEARBOX	
3	64.32508-0023	GEAR SHIFT COVER	1	COMMON FOR ZF 9S GEARBOX	
4	64.90020-0098	HHS M8 X 30 DIN 933 - 8.8 BTS 170202.22	4	COMMON FOR ZF 6S & 9S GEARBOX	
4	64.90710-0034	WASHER A8.4 200HV A3C DIN 125	4	COMMON FOR ZF 9S GEARBOX	
5	64.32201-0003	GEAR SHIFT SHAFT	1	COMMON FOR ZF 9S GEARBOX	
6	64.90701-0026	WASHER	2	COMMON FOR ZF 9S GEARBOX	
7	64.97601-0003	COMPRESSION SPRING	1	COMMON FOR ZF 9S GEARBOX	
8	64.98701-0014	V RING JV24 (0630 532 138)	1	COMMON FOR ZF 9S GEARBOX	
9	64.93021-0052	BEARING BUSH	1	COMMON FOR ZF 9S GEARBOX	
10	64.96501-0070	SHAFT SEAL 22X32X7B ZFN132NB	1	COMMON FOR ZF 9S GEARBOX	
11	64.32701-0003	ROD WIPER AS 22X32X7X10 ZFN 132NB	1	COMMON FOR ZF 9S GEARBOX ONLY	
12	64.96002-0048	CAP	1	COMMON FOR ZF 9S GEARBOX	
13	64.32670-0005	GEAR SHIFT LEVER	1	COMMON FOR ZF 9S GEARBOX ONLY	
14	64.90020-0063	HEX.HEAD SCREW M10X40 DIN 933-10.9 A3C	1	COMMON FOR ZF 6S & 9S GEARBOX	
15	64.90501-0106	HEX NUT M10 DIN934-10 MAN183-A3C	1	COMMON FOR ZF 6S & 9S GEARBOX	
16	64.32511-0002	DETENT PART	1	COMMON FOR ZF 9S GEARBOX	
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GEAR SHIFT HOUSING ASSLY - 9S HH**Diagram No. 14**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
17	64.91301-0303	PIN	1	COMMON FOR ZF 9S GEARBOX	
18	64.90820-0051	SNAP RING SW8	2	COMMON FOR ZF 9S GEARBOX	
19	64.91301-0302	CYLINDER PIN	2	COMMON FOR ZF 9S GEARBOX	
20	64.32203-0004	DRIVER (R/C)	1	COMMON FOR ZF 9S GEARBOX	
21	64.90713-0540	RING	1	COMMON FOR ZF 9S GEARBOX	
22	64.32203-0006	DRIVER 1/2 GEAR	1	COMMON FOR ZF 9S GEARBOX	
23	64.32203-0005	DRIVER 3/4 GEAR	1	COMMON FOR ZF 9S GEARBOX	
24	64.93021-0016	BEARING BUSH	1	COMMON FOR ZF 6S & 9S GEARBOX	
25	64.96410-0022	SEALING CAP	1	COMMON FOR ZF 9S GEARBOX	
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GEAR SHIFT HOUSING ASSLY - 9S HH

Diagram No. 15



GEAR SHIFT HOUSING ASSLY - 9S HH

Diagram No. 15

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.91301-6001	BALL ROLLER	2	COMMON FOR ZF 9S GEARBOX	
2	64.96504-0023	O RING 42X3 ZFN 744 ACM 80-10	1	COMMON FOR ZF 9S GEARBOX	
3	64.52170-6021	CUT OFF VALVE	1	COMMON FOR ZF 9S GEARBOX	
4	64.90020-0333	HEX SCREW M8X65 ISO 4014, 8.8 A3C	4	COMMON FOR ZF 9S GEARBOX	
4	64.90710-0034	WASHER A8.4 200HV A3C DIN 125	4	COMMON FOR ZF 9S GEARBOX	
5	64.91301-6002	STOP PIN	1	COMMON FOR ZF 9S GEARBOX	
6	64.97601-0025	COMPRESSION SPRING.	1	COMMON FOR ZF 9S GEARBOX	
7	64.96504-0024	O RING 32X4 ZFN 744 NBR 70-10	1	COMMON FOR ZF 9S GEARBOX	
8	64.32508-0021	COVER	1	COMMON FOR ZF 9S GEARBOX	
9	64.90020-0098	HHS M8 X 30 DIN 933 - 8.8 BTS 170202.22	2	COMMON FOR ZF 6S & 9S GEARBOX	
9A	64.90710-0034	WASHER A8.4 200HV A3C DIN 125	2	COMMON FOR ZF 9S GEARBOX	
10	64.91301-0301	BOLT	2	COMMON FOR ZF 9S GEARBOX	
11	64.97601-0004	COMPRESSION SPRING	2	COMMON FOR ZF 9S GEARBOX	
12	64.91710-0003	SEALING RING A18X24 DIN 7603-AL	2	COMMON FOR ZF 9S GEARBOX	
13	64.90490-0037	LOCKING BOLT M18X1.5-ST-A3C DIN 908	2	COMMON FOR ZF 9S GEARBOX	
14	64.91710-0006	SEALING RING A16X20 DIN 7603 ST	1	COMMON FOR ZF 9S GEARBOX	
15	64.90490-0022	SCREW PLUG M16X1.5 DIN 910-ST A3C	1	COMMON FOR ZF 9S GEARBOX	
16	64.32508-0033	SHIFT INTERLOCK	1	COMMON FOR ZF 9S GEARBOX	
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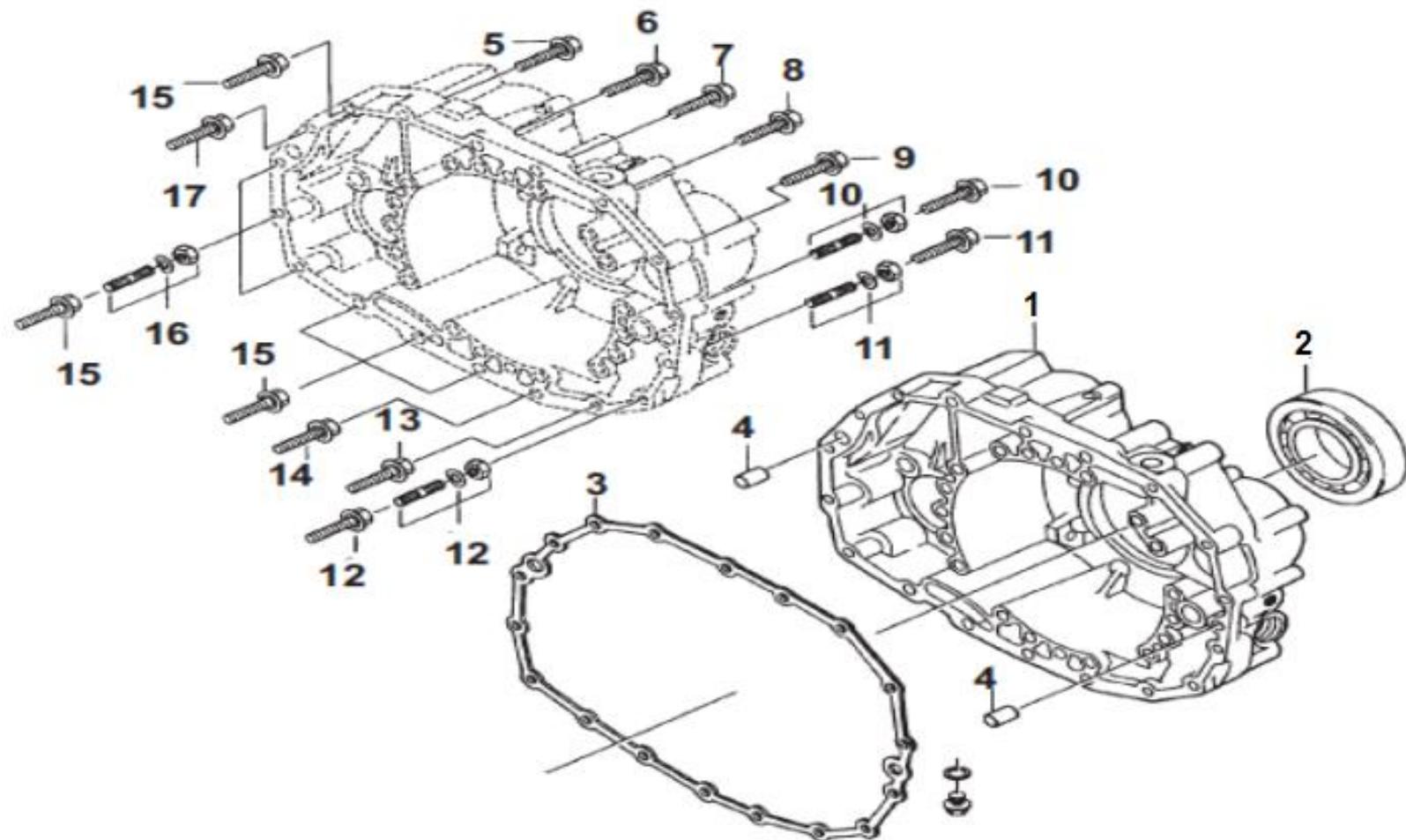
GEAR SHIFT HOUSING ASSLY - 9S HH

Diagram No. 15

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
17	64.96601-0101	GASKET	1	COMMON FOR ZF 9S GEARBOX	
18	64.32508-0022	COVER	1	COMMON FOR ZF 9S GEARBOX	
19	64.32523-0004	DETENT	1	COMMON FOR ZF 9S GEARBOX	
20	64.98701-0013	V RING (JV42)	1	COMMON FOR ZF 9S GEARBOX	
21	64.90020-0332	HEX SCREW M8X40 ISO 4017, 8.8 A3C	4	COMMON FOR ZF 9S GEARBOX	
21	64.90710-0034	WASHER A8.4 200HV A3C DIN 125	4	COMMON FOR ZF 9S GEARBOX	
22	64.96601-0009	GASKET	1	COMMON FOR ZF 9S GEARBOX	
23	64.90020-0252	SCREW M8X100 ISO 4014-8.8 A3C	6	COMMON FOR ZF 9S GEARBOX	
23	64.90710-0034	WASHER A8.4 200HV A3C DIN 125	6	COMMON FOR ZF 9S GEARBOX	
24	64.90020-0253	SCREW M8X75 ISO 4014-8.8 A3C	2	COMMON FOR ZF 9S GEARBOX	
24	64.90710-0034	WASHER A8.4 200HV A3C DIN 125	2	COMMON FOR ZF 9S GEARBOX	
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G.P. HOUSING ASSLY - 9S HH

Diagram No. 16



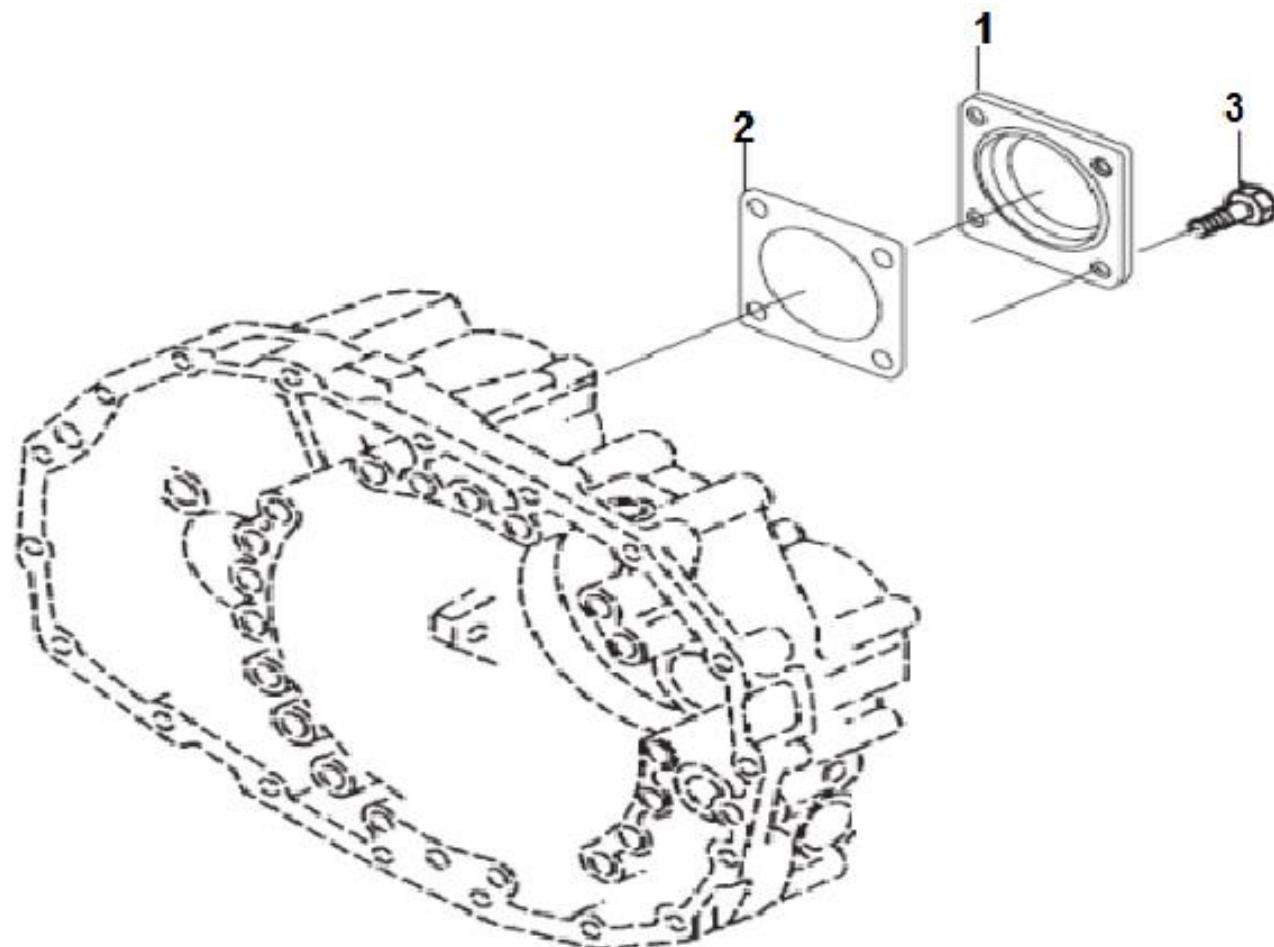
G.P. HOUSING ASSLY - 9S HH**Diagram No. 16**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32101-0003	HOUSING III	1	COMMON FOR ZF 9S GEARBOX	
2	64.93410-0002	BALL BEARING DIA. 80XDIAM. 140X26 FAG	1	COMMON FOR ZF 9S GEARBOX	
3	64.96601-0010	GASKET	1	COMMON FOR ZF 9S GEARBOX	
4	64.91301-0004	CYLINDRICAL PIN 16M6X36 ZFN 6 NIROSTA	2	COMMON FOR ZF 9S GEARBOX	
5	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	1	COMMON FOR ZF 9S GEARBOX	
5A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
6	64.90020-0052	HEX SCREW M10X110 DIN931-10.9 A3C	1	COMMON FOR ZF9S GEARBOX	
6A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
7	64.90020-0052	HEX SCREW M10X110 DIN931-10.9 A3C	1	COMMON FOR ZF9S GEARBOX	
7A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
8	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	1	COMMON FOR ZF 9S GEARBOX	
8A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
9	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	1	COMMON FOR ZF 9S GEARBOX	
9A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
10	64.90020-0053	HEX SCREW M10X50 DIN931-10.9 A3C	1	COMMON FOR ZF9S GEARBOX	
10A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
11	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	1	COMMON FOR ZF 9S GEARBOX	
11A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
12	64.90020-0052	HEX SCREW M10X110 DIN931-10.9 A3C	1	COMMON FOR ZF9S GEARBOX	

12A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
13	64.90020-0052	HEX SCREW M10X110 DIN931-10.9 A3C	1	COMMON FOR ZF9S GEARBOX	
13A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
14	64.90020-0052	HEX SCREW M10X110 DIN931-10.9 A3C	1	COMMON FOR ZF9S GEARBOX	
14A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	1	COMMON FOR ZF 9S GEARBOX	
15	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	3	COMMON FOR ZF 9S GEARBOX	
15A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	3	COMMON FOR ZF 9S GEARBOX	
16	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	3	COMMON FOR ZF 9S GEARBOX	
16A	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	3	COMMON FOR ZF 9S GEARBOX	
17	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	1	COMMON FOR ZF 9S GEARBOX	
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CLOSING COMPONENT - 9S HH

Diagram No. 17

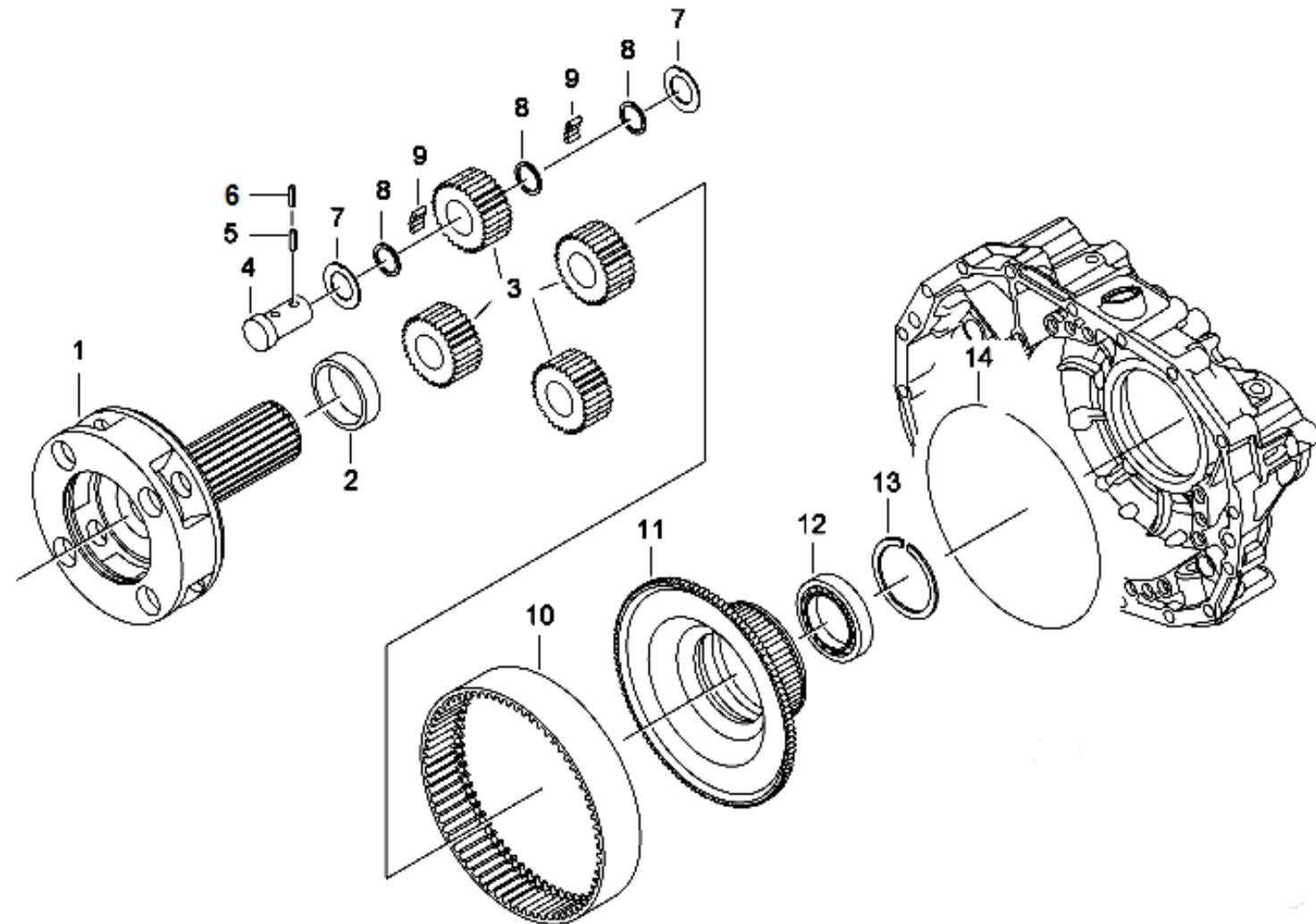


CLOSING COMPONENT - 9S HH

Diagram No. 17

PLANETARY DRIVE - 9S HH

Diagram No. 18



PLANETARY DRIVE - 9S HH
Diagram No. 18

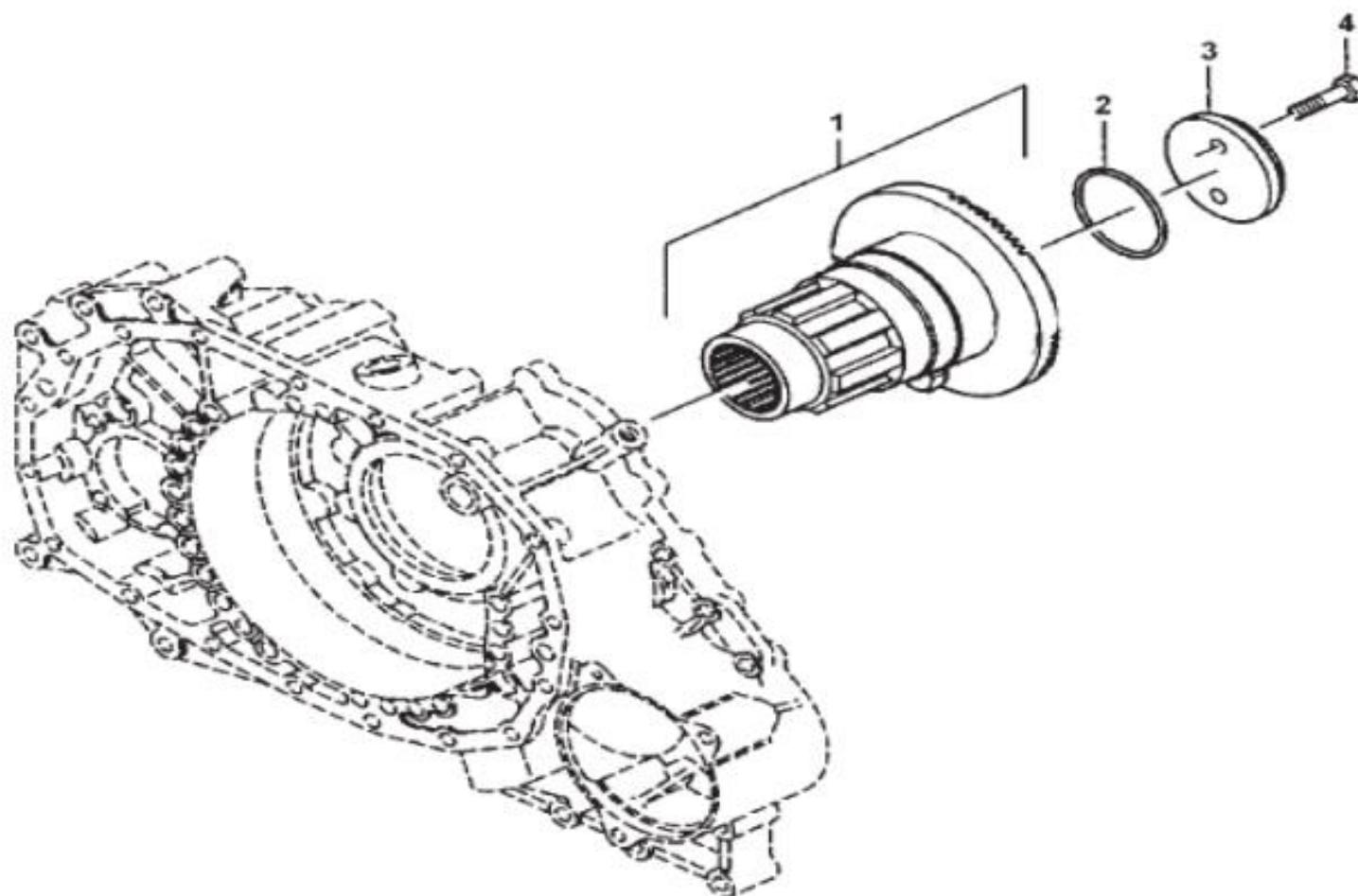
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.37501-4002	PLANET CARRIER ASSY	1	COMMON FOR ZF 9S GEARBOX	
2	64.96410-0004	SEALING CAP	1	COMMON FOR ZF 9S GEARBOX	
3	64.32112-0001	PLANET GEAR	4	COMMON FOR ZF 9S GEARBOX	
4	64.32523-0009	PLANET SHAFT	4	COMMON FOR ZF 9S GEARBOX	
5	64.91020-0005	SLOT.PIN 5X22 ISO 8752 ST	4	COMMON FOR ZF 9S GEARBOX	
6	64.91020-0006	SLOT.PIN 3X22 ISO 8752 ST	4	COMMON FOR ZF 9S GEARBOX	
7	64.90701-0029	WASHER	8	COMMON FOR ZF 9S GEARBOX	
8	64.90713-0005	INTERM. WASHER A=1.5	12	COMMON FOR ZF 9S GEARBOX	
9	64.93401-0011	NEEDLE ROLLER 5X15.3	160	COMMON FOR ZF 9S GEARBOX	
10	64.32301-0021	RING GEAR	1	COMMON FOR ZF 9S GEARBOX	
11	64.37511-0001	RING GEAR CARRIER	1	COMMON FOR ZF 9S GEARBOX	
12	64.93410-0004	BALL BEARING 16014 (70X110X13)	1	COMMON FOR ZF 9S GEARBOX	
13	64.90820-0007	SNAP RING (RING GEAR CARR) 2.5MM THK	as reqd	COMMON FOR ZF 9S GEARBOX	
13	64.90820-0006	SNAP RING (RING GEAR CARR) 2.4MM THK	as reqd	COMMON FOR ZF 9S GEARBOX	
13	64.90820-0005	SNAP RING (RING GEAR CARR) 2.3MM THK	as reqd	COMMON FOR ZF 9S GEARBOX	
13	64.90820-0005	SNAP RING (RING GEAR CARR) 2.2MM THK	as reqd	COMMON FOR ZF 9S GEARBOX	
13	64.90820-0003	SNAP RING (RING GEAR CARR) 2.1MM THK	as reqd	COMMON FOR ZF 9S GEARBOX	
13	64.90820-0002	SNAP RING (RING GEAR CARR) 2MM THK	as reqd	COMMON FOR ZF 9S GEARBOX	
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PLANETORY DRIVE - 9S HH

Diagram No. 18

PLANETARY DRIVE - 9S HH

Diagram No. 19

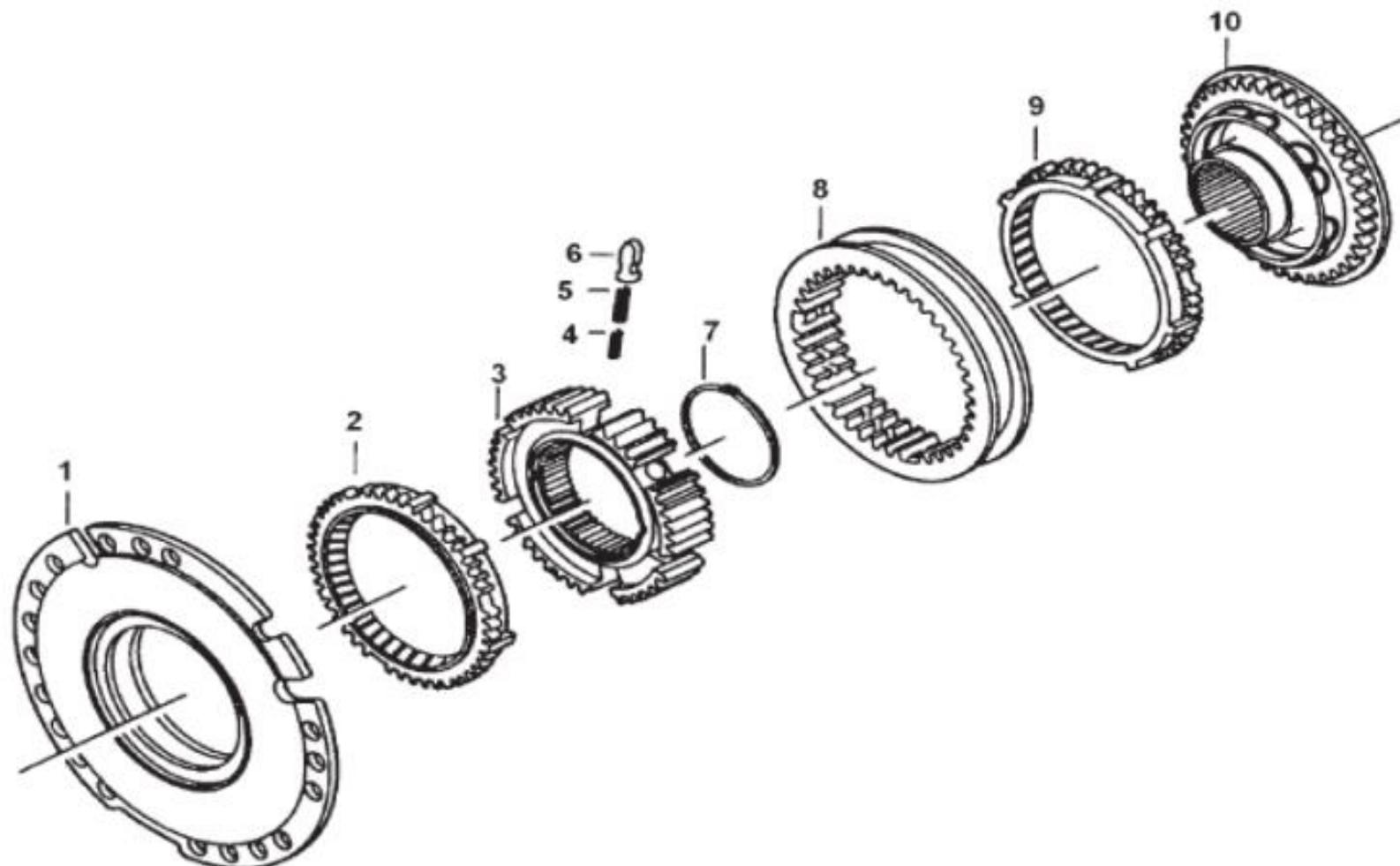


PLANETORY DRIVE - 9S HH

Diagram No. 19

SYNCHRONISER - 9S HH

Diagram No. 20



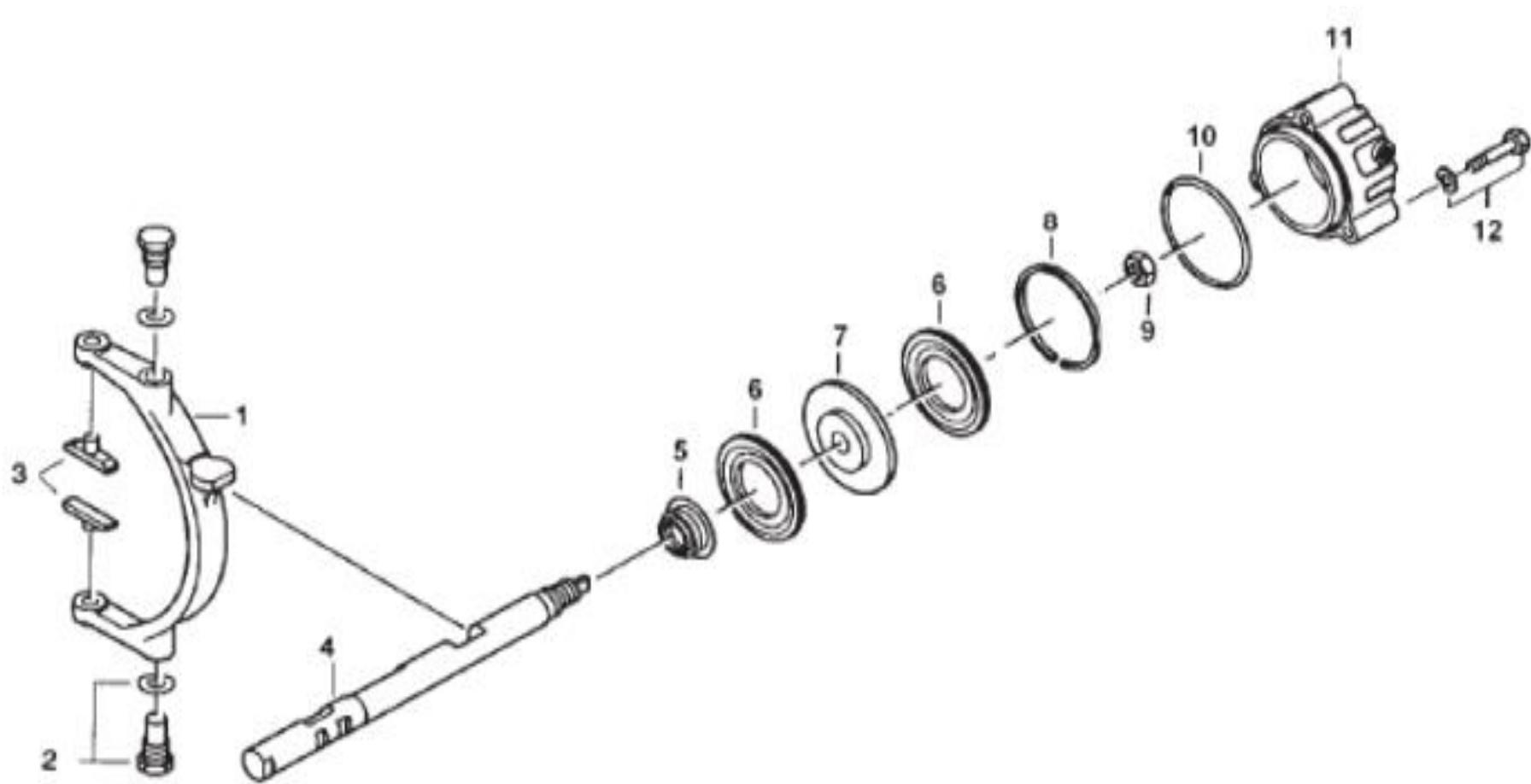
SYNCHRONISER - 9S HH

Diagram No. 20

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32423-4002	CLUTCH BODY ASSLY.	1	COMMON FOR ZF 9S GEARBOX	
2	64.32420-0008	SYNCHRONISER RING (H/L)	1	COMMON FOR ZF 9S GEARBOX	
3	64.32420-0007	SYNCHRONISER BODY (H/L)	1	COMMON FOR ZF 9S GEARBOX	
4	64.97601-0006	COMPRESSION SPRING (GROUP SYN)	9	COMMON FOR ZF 9S GEARBOX	
5	64.97601-0005	COMPR.SPRING (GROUP SYN)	9	COMMON FOR ZF 9S GEARBOX	
6	64.32420-0010	PRESSURE PIECE (GROUP SYN)	9	COMMON FOR ZF 9S GEARBOX	
7	64.90810-0057	EXT.CIRCLIP 125X4 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
7	64.90810-0056	EXT.CIRCLIP 125X3.9 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
7	64.90810-0055	EXT.CIRCLIP 125X3.8 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
7	64.90810-0054	EXT.CIRCLIP 125X3.7 DIN 471	as reqd	COMMON FOR ZF 9S GEARBOX	
8	64.32402-0005	SLIDING SLEEVE (H/L)	1	COMMON FOR ZF 9S GEARBOX	
9	64.32420-0008	SYNCHRONISER RING (H/L)	1	COMMON FOR ZF 9S GEARBOX	
10	64.32423-4003	CLUTCH BODY ASSY (GROUP)	1	COMMON FOR ZF 9S GEARBOX	
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GP SHIFT SYSTEM - 9S HH

Diagram No. 21

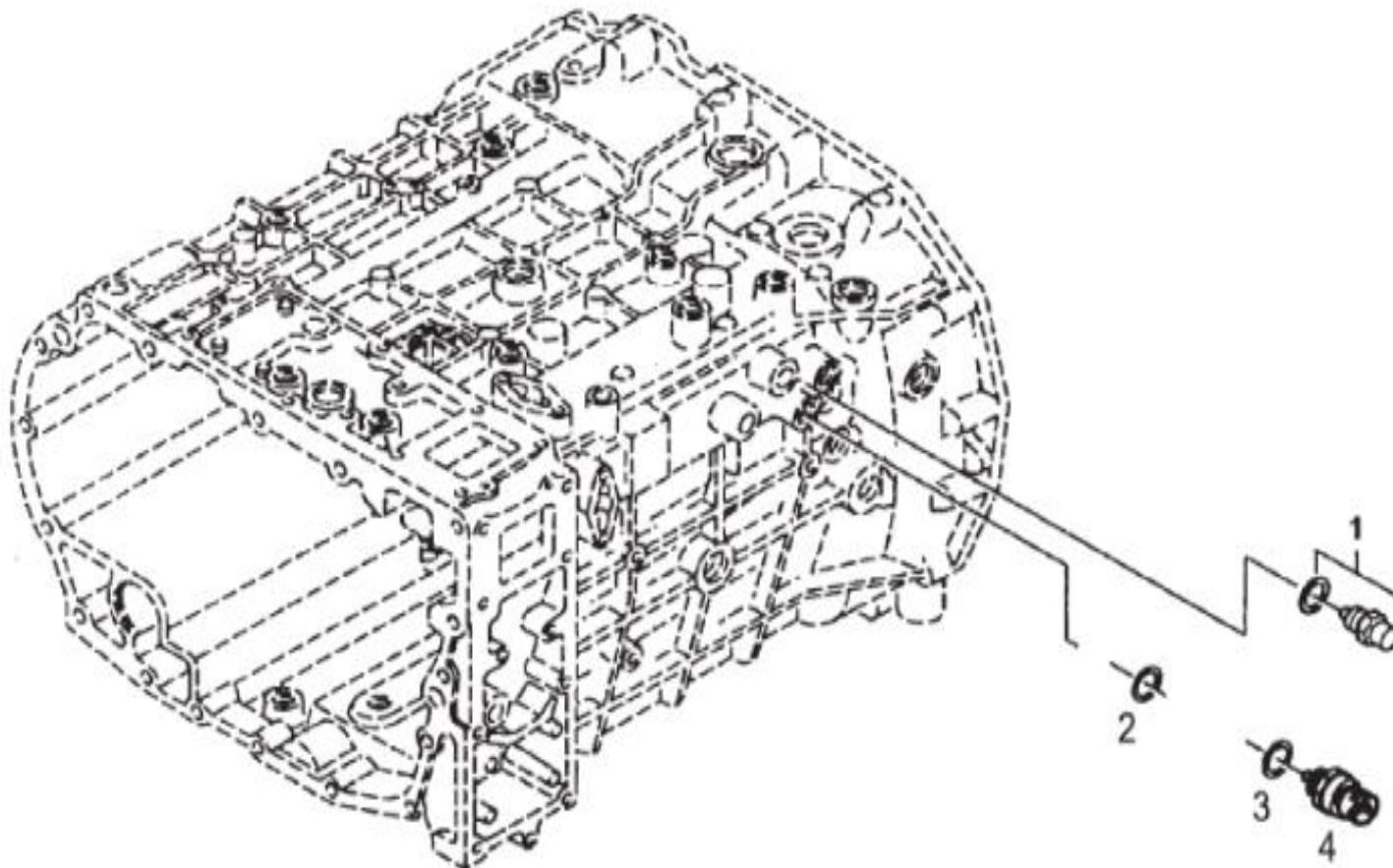


GP SHIFT SYSTEM - 9S**Diagram No. 21**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32515-0003	GEAR SHIFT FORK (H/L)	1	COMMON FOR ZF 9S GEARBOX	
2	64.90490-0018	ARTICULAT BOLT M24	2	COMMON FOR ZF 9S GEARBOX	
2A	64.90710-0005	SPRING WASHER	2	COMMON FOR ZF 9S GEARBOX	
3	64.32526-0003	SLIDING PAD	2	COMMON FOR ZF 9S GEARBOX	
4	64.32518-4002	GEAR SHIFT RAIL (H/L)	1	COMMON FOR ZF 9S GEARBOX	
5	64.96902-0003	FLANGE PACKING1	1	COMMON FOR ZF 9S GEARBOX	
6	64.98701-0006	SEALING RING 50X2100X7.5	2	COMMON FOR ZF 9S GEARBOX	
7	64.32511-0001	PISTON	1	COMMON FOR ZF 9S GEARBOX	
8	64.96504-0001	GUIDE RING	1	COMMON FOR ZF 9S GEARBOX	
9	64.90501-0010	LOCKING NUT M16X1.5 ZFN99	1	COMMON FOR ZF 9S GEARBOX	
10	64.96504-0005	O RING 108X3 ZFN 744 FPM 80-10	1	COMMON FOR ZF 9S GEARBOX	
11	64.30715-6001	CYLINDER	1	COMMON FOR ZF 9S GEARBOX	
12	64.90020-0049	HEX SCREW M10X70 DIN931-10.9 A3C	3	COMMON FOR ZF 9S GEARBOX	
12	64.90710-0027	PL WASHER A10.5 DIN125-ST BTS170202.12	3	COMMON FOR ZF 9S GEARBOX	
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GP SHIFT SYSTEM CONNECTED PARTS - 9S HH

Diagram No. 22

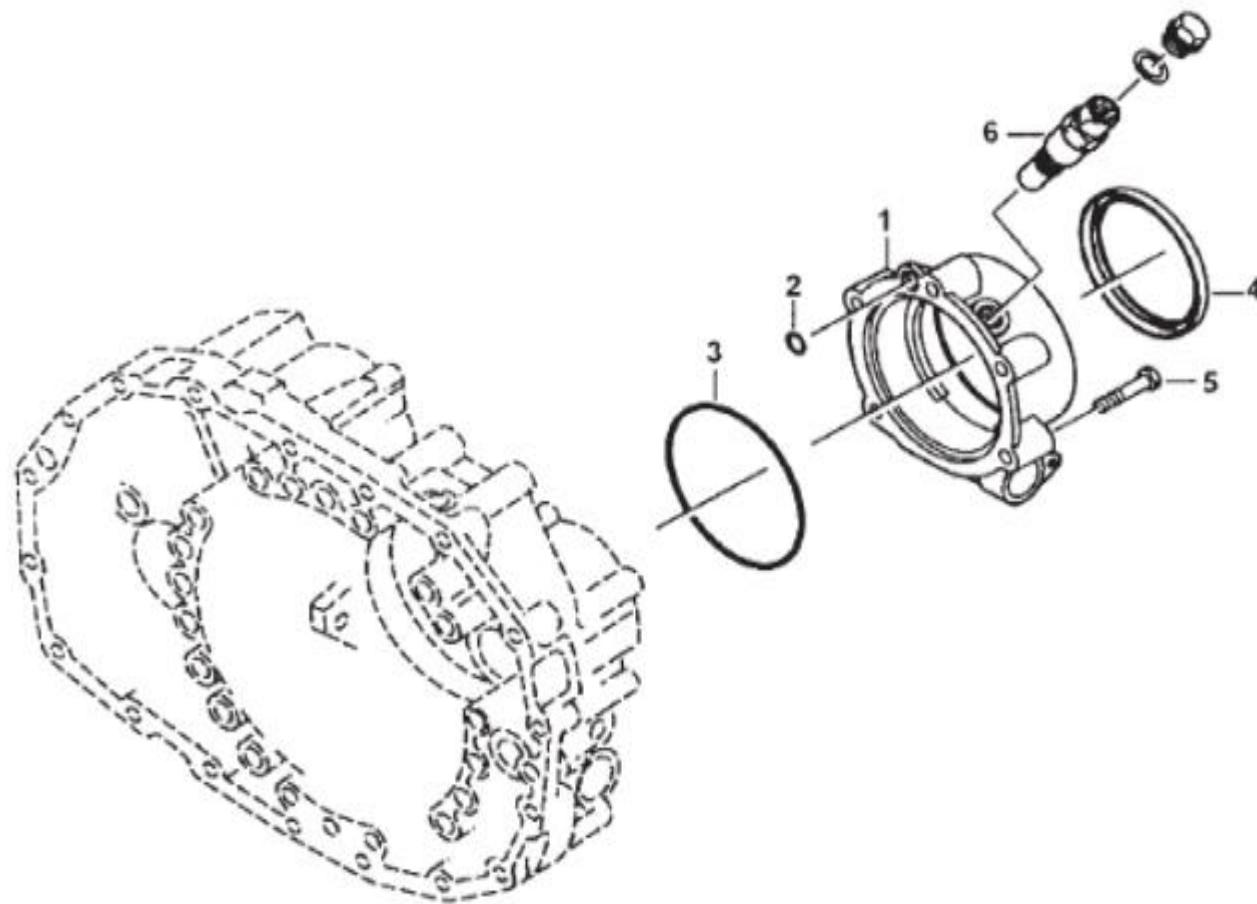


GP SHIFT SYSTEM CONNECTED PARTS - 9S HH

Diagram No. 22

SPEEDO COVER - 9S HH

Diagram No. 23

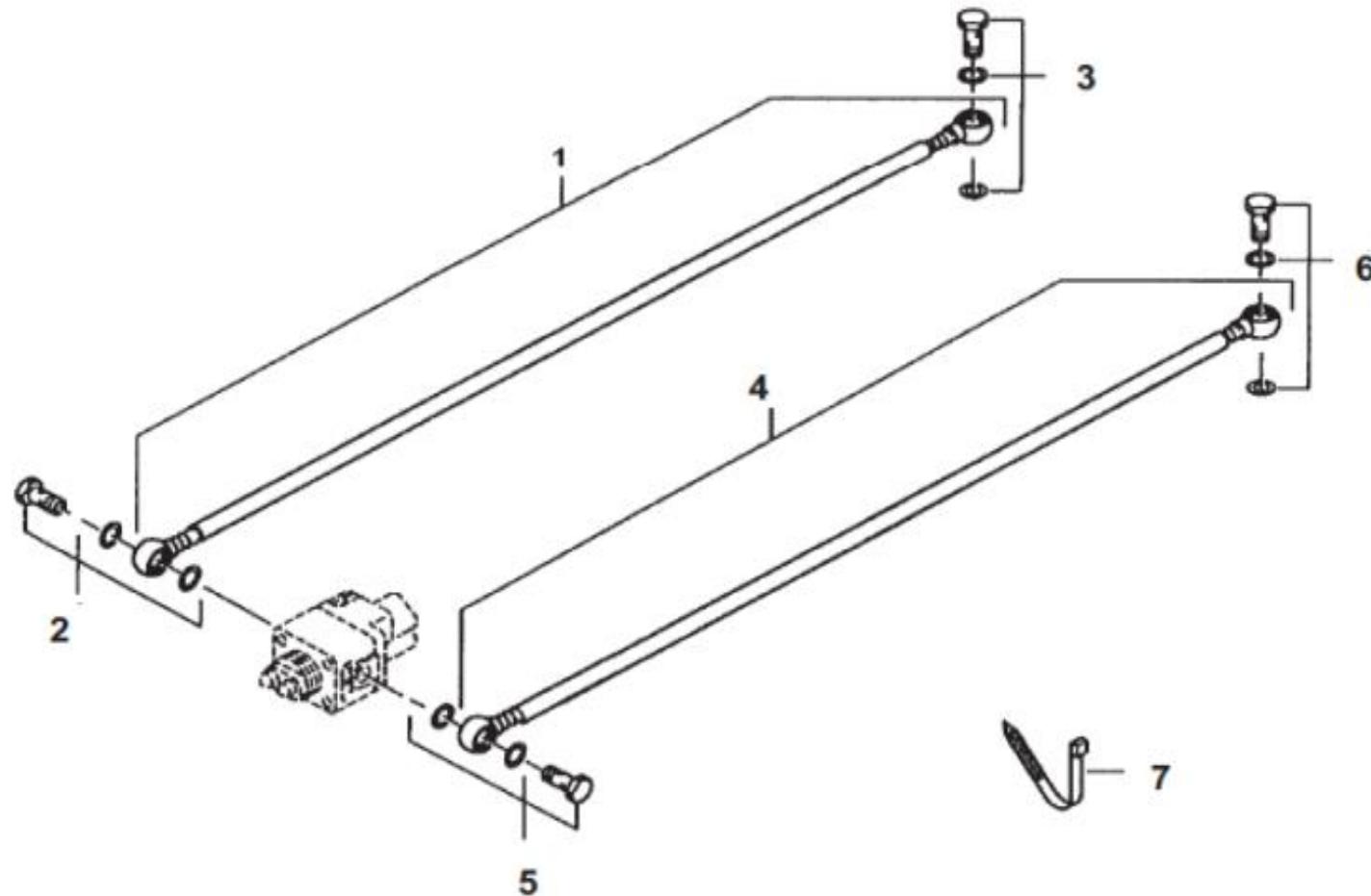


SPEEDO COVER - 9S HH

Diagram No. 23

RANGE SELECTION - 9S HH

Diagram No. 24

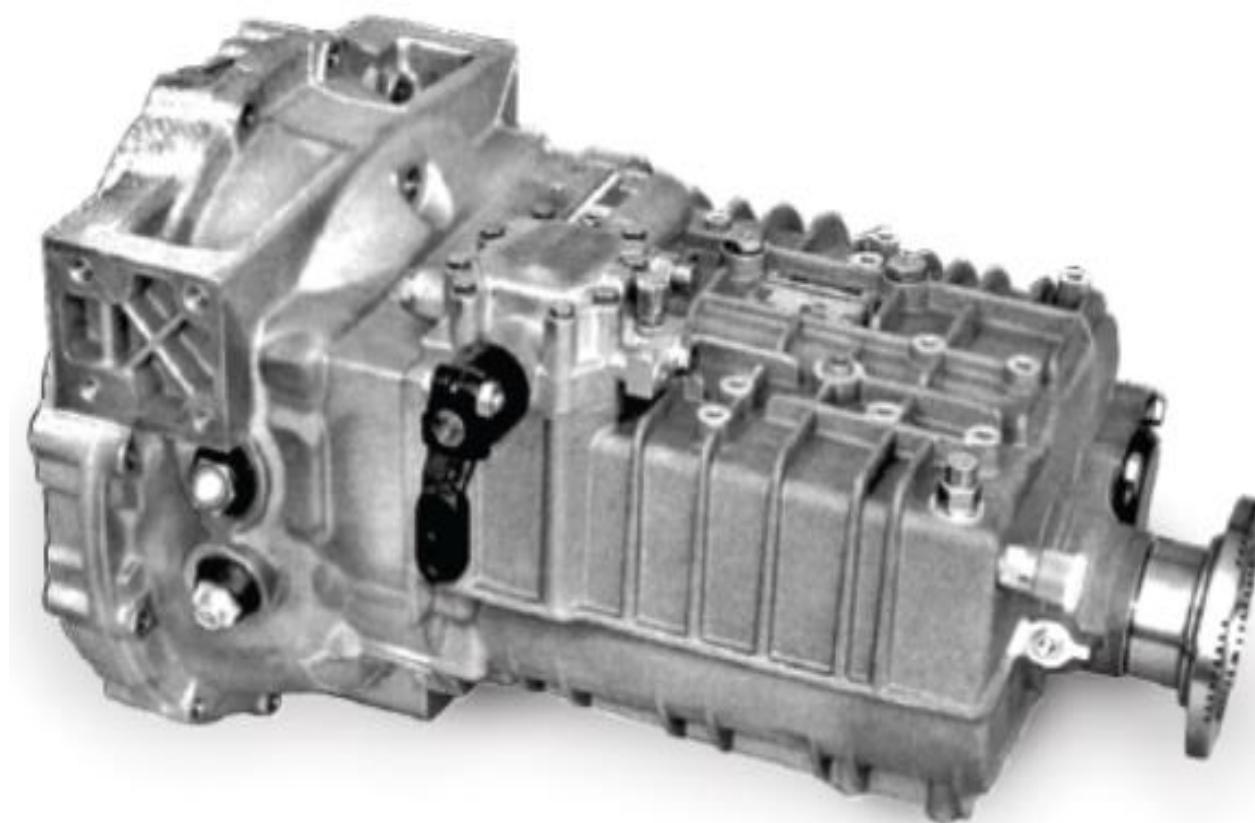


RANGE SELECTION - 9S HH**Diagram No. 24**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96320-7001	PIPE ASSY	1	COMMON FOR ZF 9S GEARBOX	
2	64.90020-0262	UNION SCREW 10 DIN 7643	1	COMMON FOR ZF 9S GEARBOX	
2	64.98701-0005	SEALING RING 1.50MM THK	2	COMMON FOR ZF 9S GEARBOX	
3	64.90020-0262	UNION SCREW 10 DIN 7643	1	COMMON FOR ZF 9S GEARBOX	
3	64.98701-0005	SEALING RING 1.50MM THK	2	COMMON FOR ZF 9S GEARBOX	
4	64.96320-7001	PIPE ASSY	1	COMMON FOR ZF 9S GEARBOX	
5	64.90020-0262	UNION SCREW 10 DIN 7643	1	COMMON FOR ZF 9S GEARBOX	
5	64.98701-0005	SEALING RING 1.50MM THK	2	COMMON FOR ZF 9S GEARBOX	
6	64.90020-0262	UNION SCREW 10 DIN 7643	1	COMMON FOR ZF 9S GEARBOX	
6	64.98701-0005	SEALING RING 1.50MM THK	2	COMMON FOR ZF 9S GEARBOX	
7	64.97401-0015	CABLE BINDER 2.4X92	3	COMMON FOR ZF 9S GEARBOX	
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GEAR BOX (ZF 6S 850)

Diagram No. 25

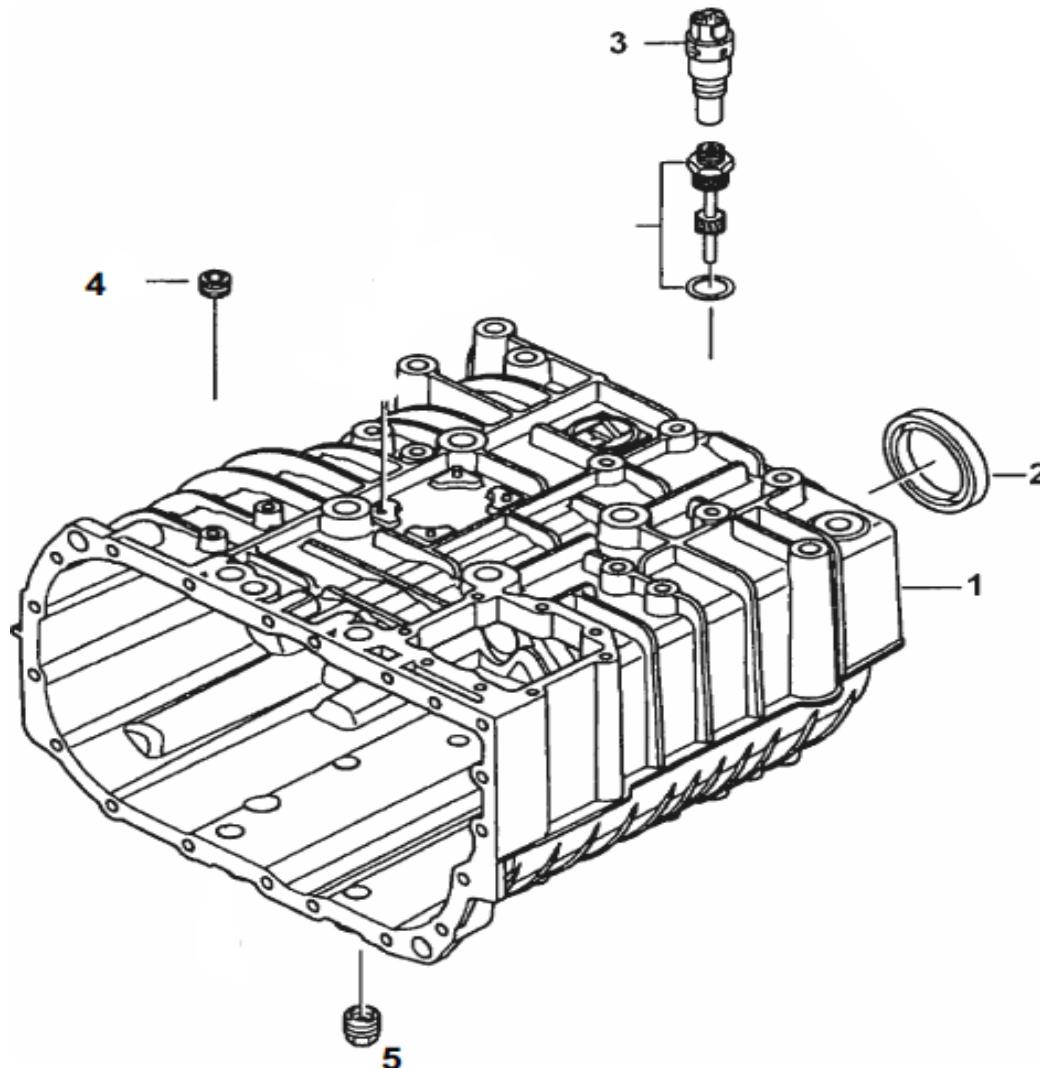


GEAR BOX (ZF 6S 850)

Diagram No. 25

GEAR BOX HOUSING (ZF 6S 850)

Diagram No. 26

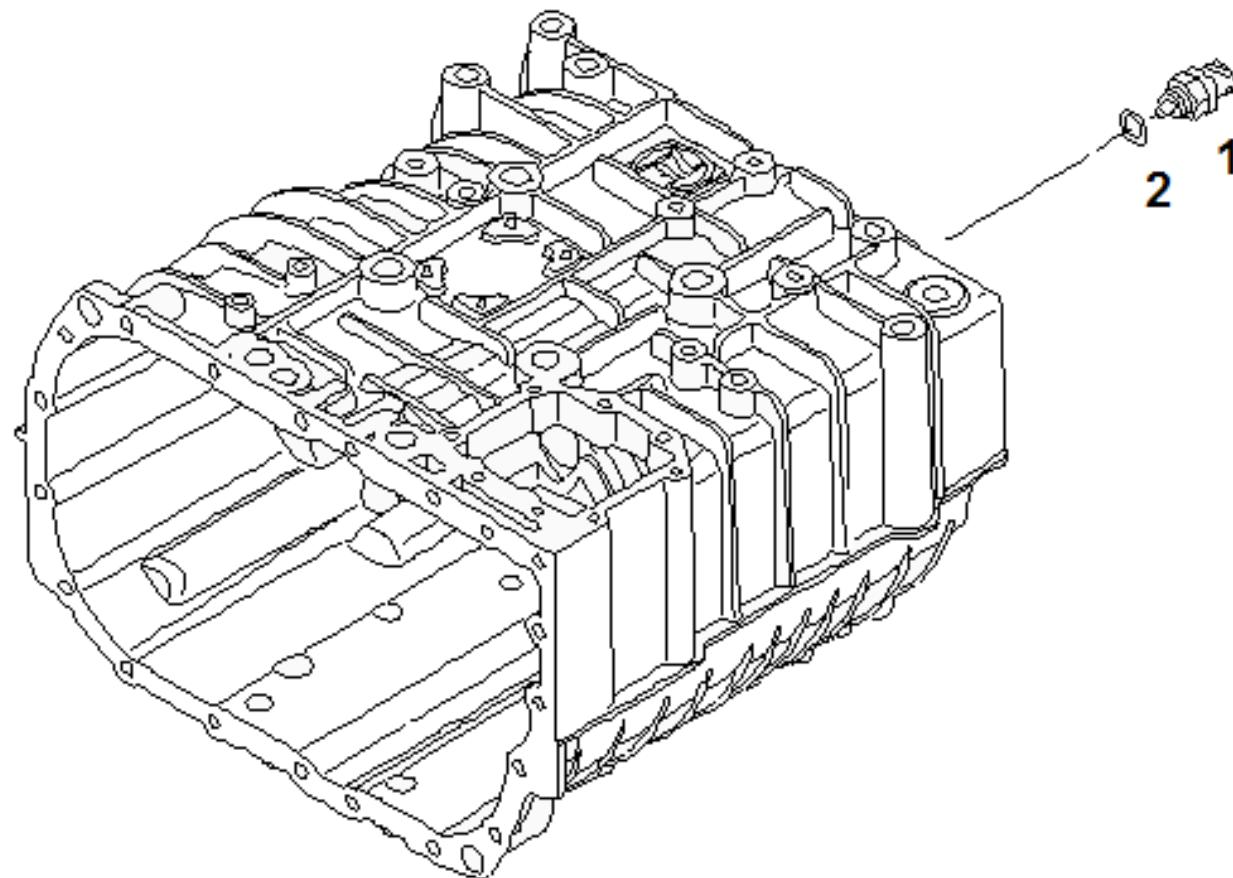


GEAR BOX HOUSING (ZF 6S 850)

Diagram No. 26

REVERSE SWITCH

Diagram No. 27

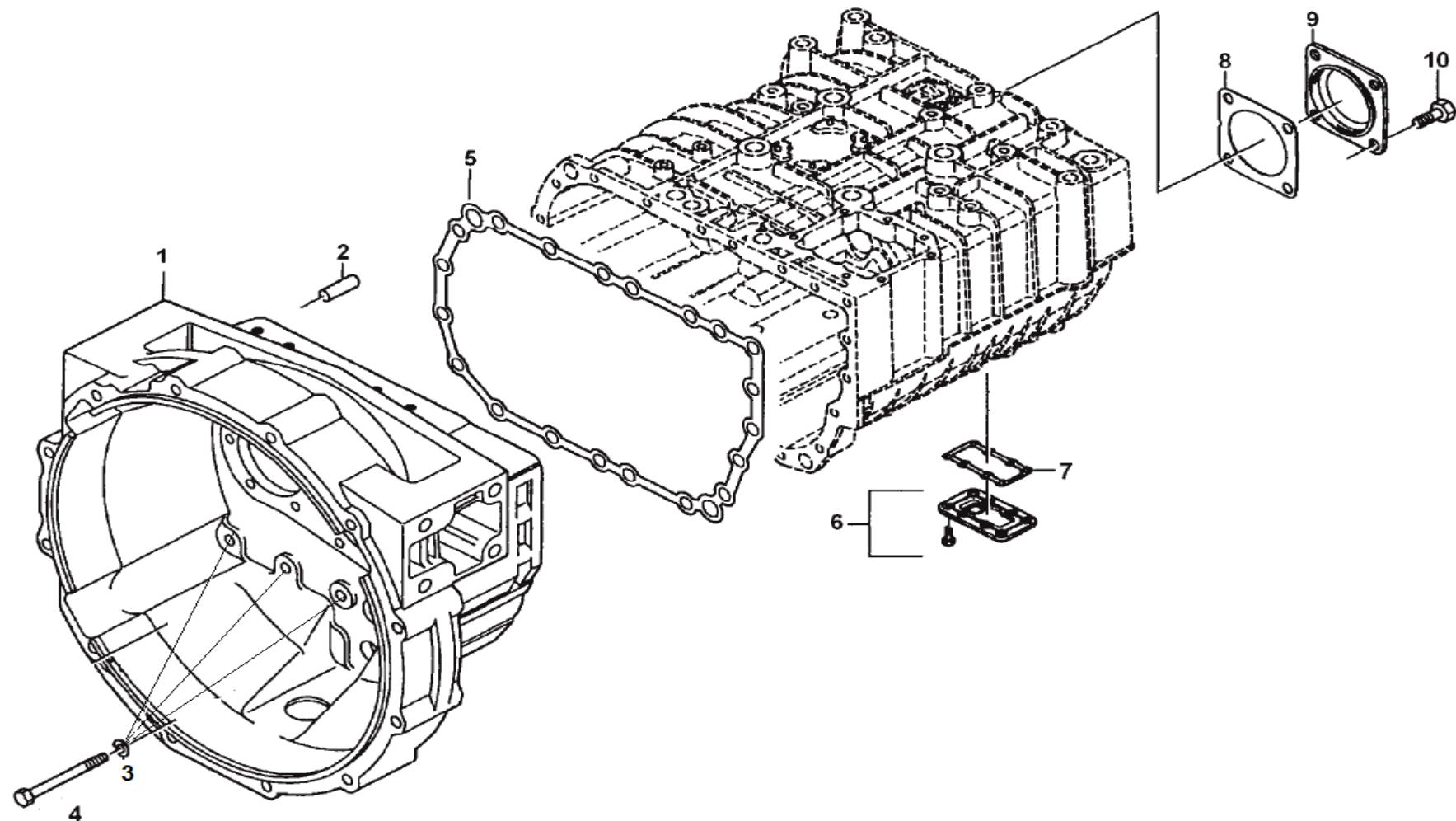


REVERSE SWITCH

Diagram No. 27

CLUTCH BELL HOUSING (ZF 6S 850)

Diagram No. 28

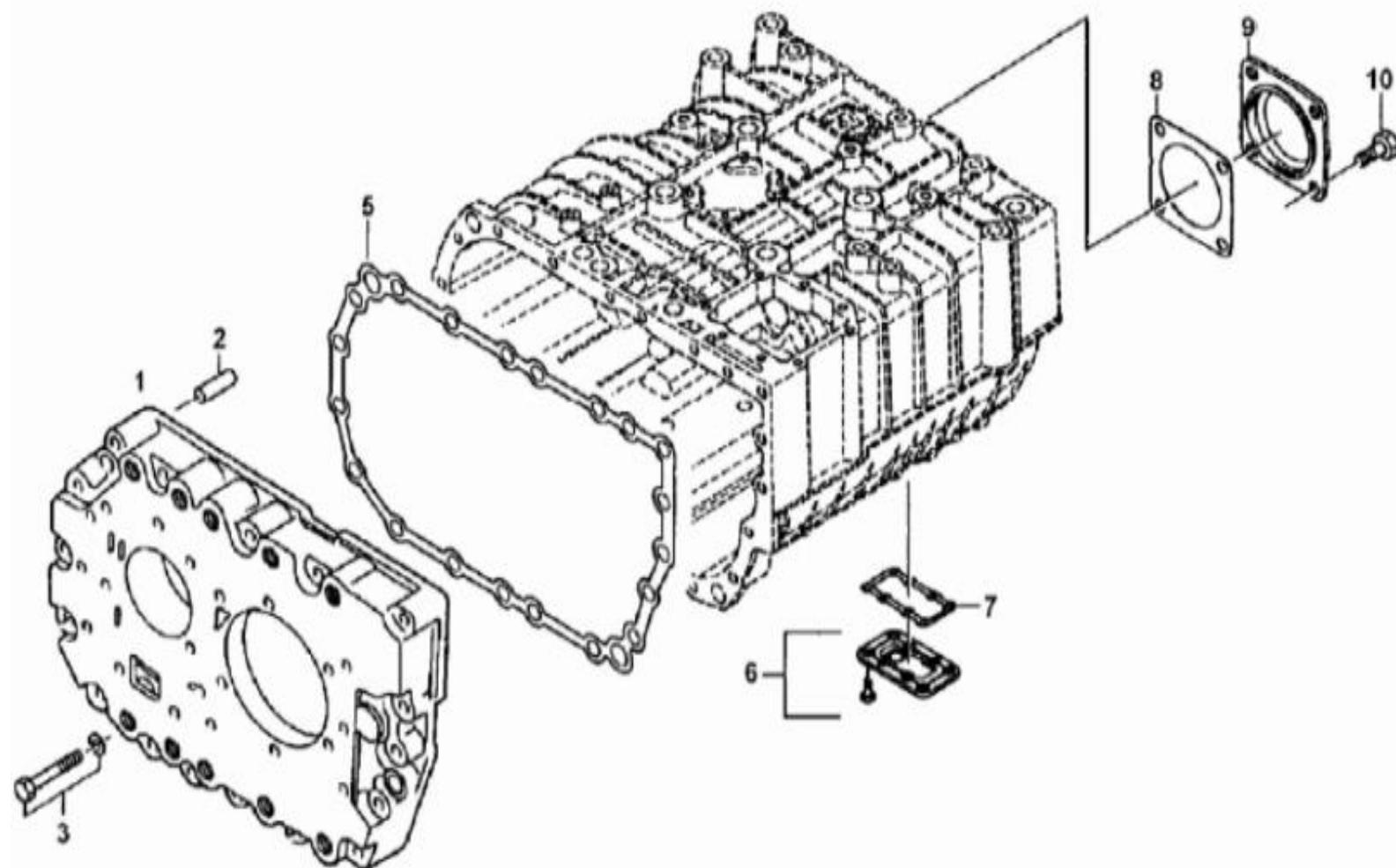


CLUTCH BELL HOUSING (ZF 6S 850)**Diagram No. 28**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.30101-7002	CLUTCH HSG SUB ASSY (DIA.395)	1	COMMON FOR ZF 6S GEARBOX ONLY	
2	64.91020-0016	CYLIDRICAL PIN 16M6X30 ZFN 6	2	COMMON FOR ZF 6S GEARBOX ONLY	
3	64.90710-0029	PLAIN WASHER A13 DIN125-ST A3C	10	COMMON FOR ZF 6S GEARBOX ONLY	
4	64.90020-0084	HEX HEAD BOLT M12X60 IS1364PT.I-10.9 A3C	10	COMMON FOR ZF 6S GEARBOX ONLY	
5	64.96601-0074	GASKET	1	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.32508-0029	COVER	1	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.90020-0098	HHS M8 X 30 DIN 933 - 8.8 BTS 170202.22	8	COMMON FOR ZF 6S & 9S GEARBOX	
6	64.90801-0201	WAVE WASHER B 8 DIN 137 BTS 170202.12	8	COMMON FOR ZF 6S & 9S GEARBOX	
7	64.96601-0072	GASKET	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.96601-0011	GASKET	1	COMMON FOR ZF 6S & 9S GEARBOX	
9	64.32508-0007	COVER (PTO COVER)	1	COMMON FOR ZF 6S & 9S GEARBOX	
10	64.90020-0061	HEX.HEAD SCREW M12X25 DIN 933-8.8 A3C	4	COMMON FOR ZF 6S & 9S GEARBOX	
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GEAR BOX HOUSING WITH CLUTCH HOUSING (ZF 6S 850)

Diagram No. 29



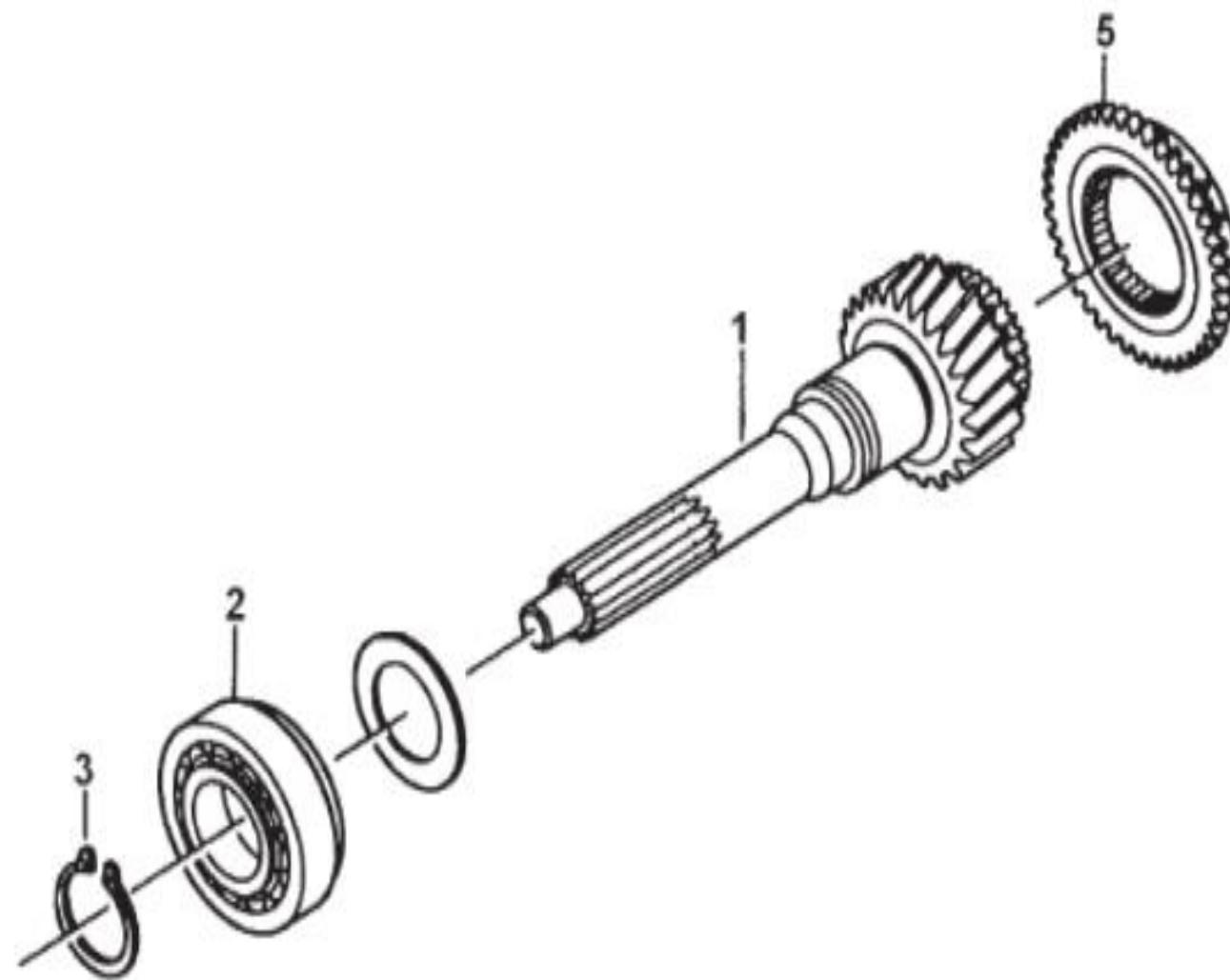
GEAR BOX HOUSING WITH CLUTCH HOUSING (ZF 6S 850)

Diagram No. 29

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32101-0005	CONNECTING HOUSING	1	COMMON FOR ZF 6S GEARBOX ONLY	
2	64.91020-0016	CYLINDRICAL PIN 16M6X30 ZFN 6	2	COMMON FOR ZF 6S GEARBOX ONLY	
3	64.90020-0069	HEX.HEAD SCREW M10X75 DIN 931-10.9 A3C	20	COMMON FOR ZF 6S GEARBOX ONLY	
5	64.96601-0074	GASKET	1	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.32508-0029	COVER	1	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.90020-0098	HHS M8 X 30 DIN 933 - 8.8 BTS 170202.22	8	COMMON FOR ZF 6S & 9S GEARBOX	
6	64.90801-0201	WAVE WASHER B 8 DIN 137 BTS 170202.12	8	COMMON FOR ZF 6S & 9S GEARBOX	
7	64.96601-0072	GASKET	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.96601-0011	GASKET	1	COMMON FOR ZF 6S & 9S GEARBOX	
9	64.32508-0007	COVER (PTO COVER)	1	COMMON FOR ZF 6S & 9S GEARBOX	
10	64.90020-0061	HEX.HEAD SCREW M12X25 DIN 933-8.8 A3C	4	COMMON FOR ZF 6S & 9S GEARBOX	
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INPUT SHAFT

Diagram No. 30

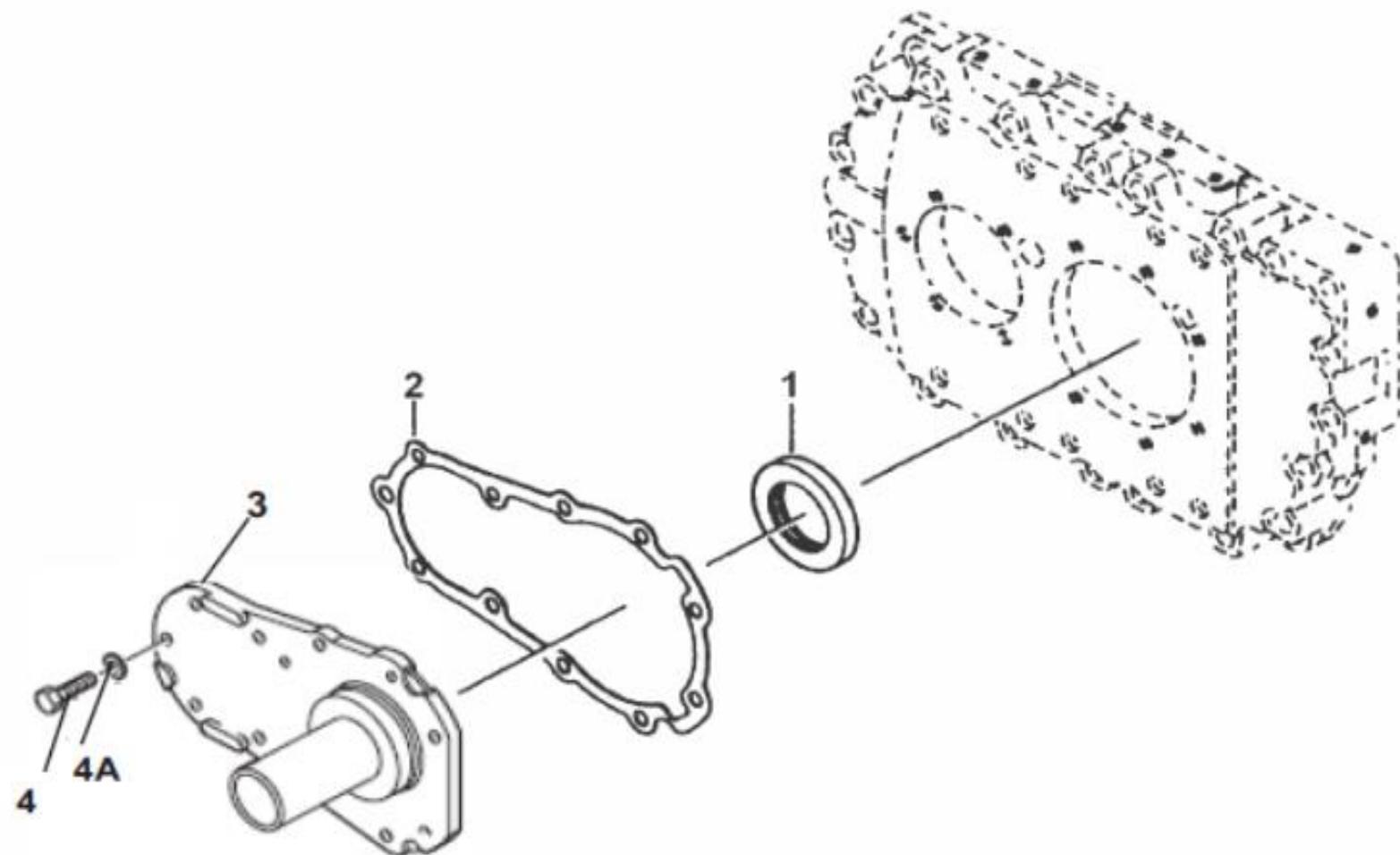


INPUT SHAFT

Diagram No. 30

CONNECTION PLATE

Diagram No. 31

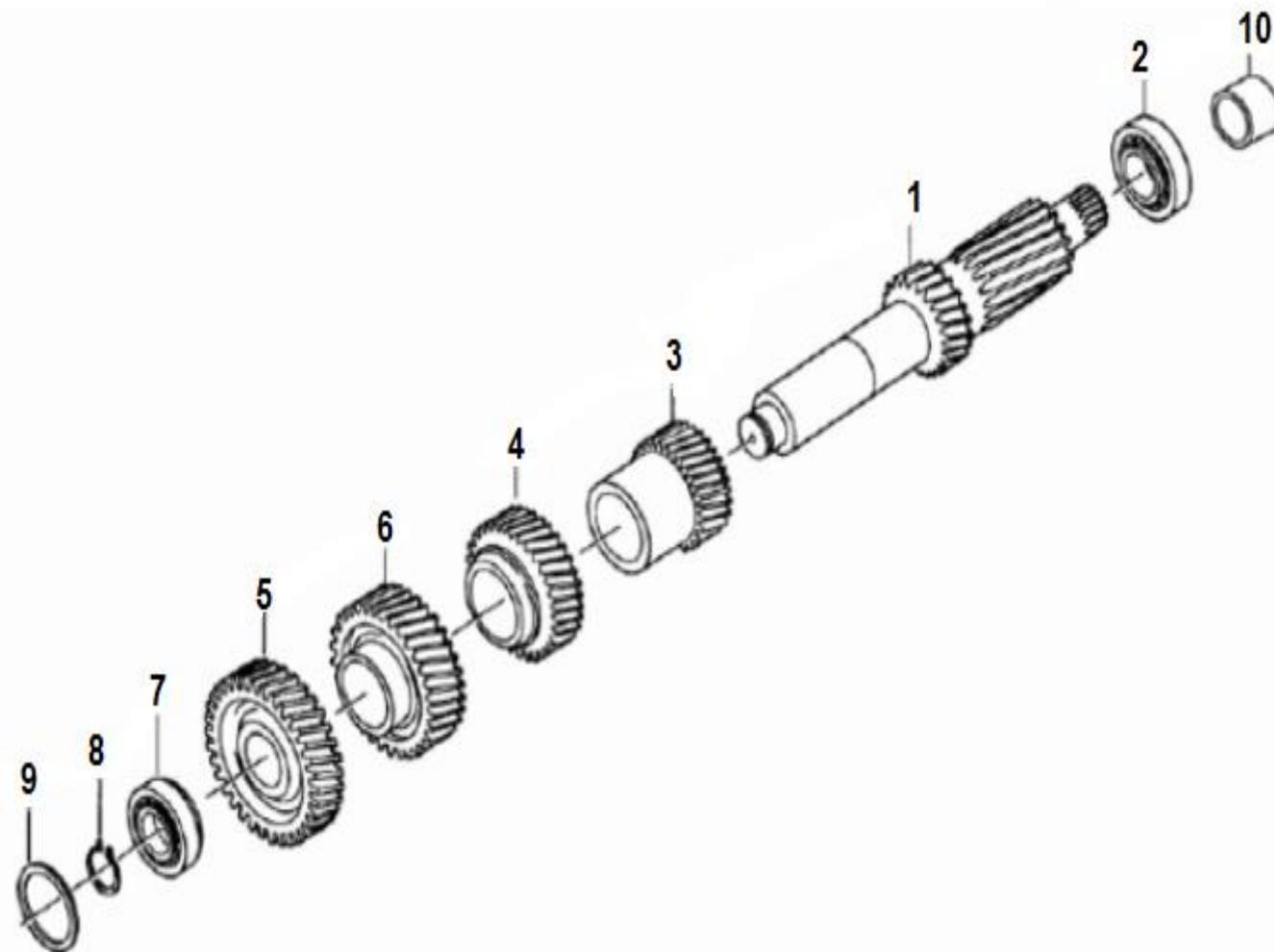


CONNECTION PLATE

Diagram No. 31

LAYSHAFT

Diagram No. 32



LAYSHAFT**Diagram No. 32**

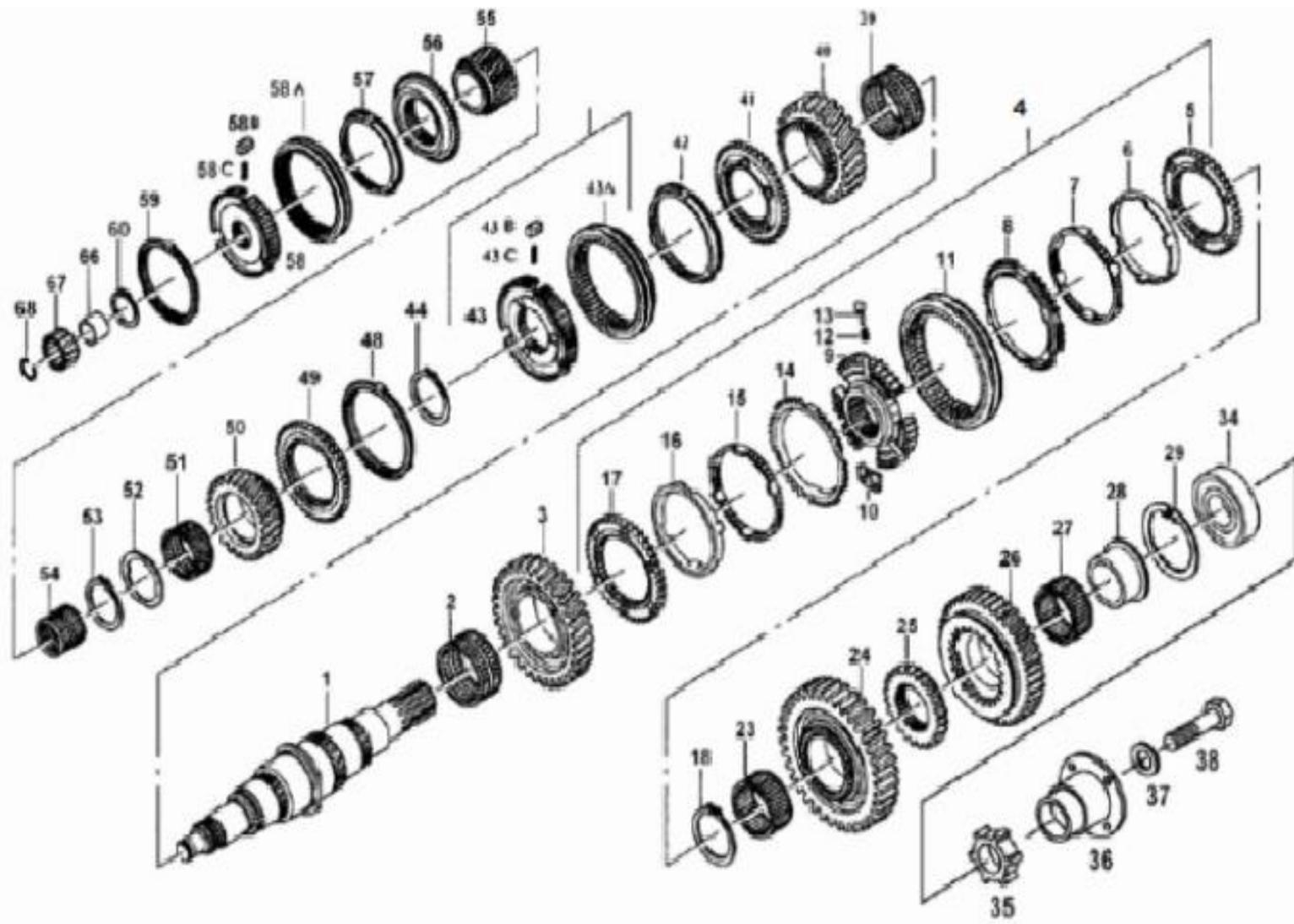
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32205-0002	COUNTER SHAFT	1	COMMON FOR ZF 6S GEARBOX ONLY	
2	64.93420-0020	TAPER ROLLER BRG. 39.6X76.2X23.8 TIMKEN	1	COMMON FOR ZF 6S GEARBOX ONLY	
3	64.32301-0010	HELICAL GEAR (3RD ON LAY SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
4	64.32301-0012	HELICAL GEAR (4TH GEAR ON LAY SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
5	64.32301-0014	HELICAL GEAR (6TH GEAR ON LAY SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.32301-0015	HELICAL GEAR (C.M. ON LAY SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
7	64.93420-0021	TAPER ROLLER BRG. 40X80X21 TIMKEN	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0058	EXT. CIRCLIP 40X1,75 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0059	EXT. CIRCLIP 40X1,70 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0060	EXT. CIRCLIP 40X1,65 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0061	EXT. CIRCLIP 40X1,60 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0062	EXT. CIRCLIP 40X1,55 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0063	EXT. CIRCLIP 40X1,50 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0064	EXT. CIRCLIP 40X1,45 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0065	EXT. CIRCLIP 40X1,40 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0066	EXT. CIRCLIP 40X1,35 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90810-0067	EXT. CIRCLIP 40X1,30 DIN 471	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0017	WASHER (LAYSHAFT) 2.20	1	COMMON FOR ZF 6S GEARBOX ONLY	
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LAYSHAFT**Diagram No. 32**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
9	64.90711-0018	WASHER (LAYSHAFT) 2.00	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0019	WASHER (LAYSHAFT) 1.75	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0020	WASHER (LAYSHAFT) 1.70	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0021	WASHER (LAYSHAFT) 1.65	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0022	WASHER (LAYSHAFT) 1.60	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0023	WASHER (LAYSHAFT) 1.55	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0024	WASHER (LAYSHAFT) 1.50	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0025	WASHER (LAYSHAFT) 1.45	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0026	WASHER (LAYSHAFT) 1.40	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.90711-0027	WASHER (LAYSHAFT) 1.35	1	COMMON FOR ZF 6S GEARBOX ONLY	
10	64.32425-0002	GUARD RING	1	COMMON FOR ZF 6S GEARBOX ONLY	
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MAINSHAFT

Diagram No. 33

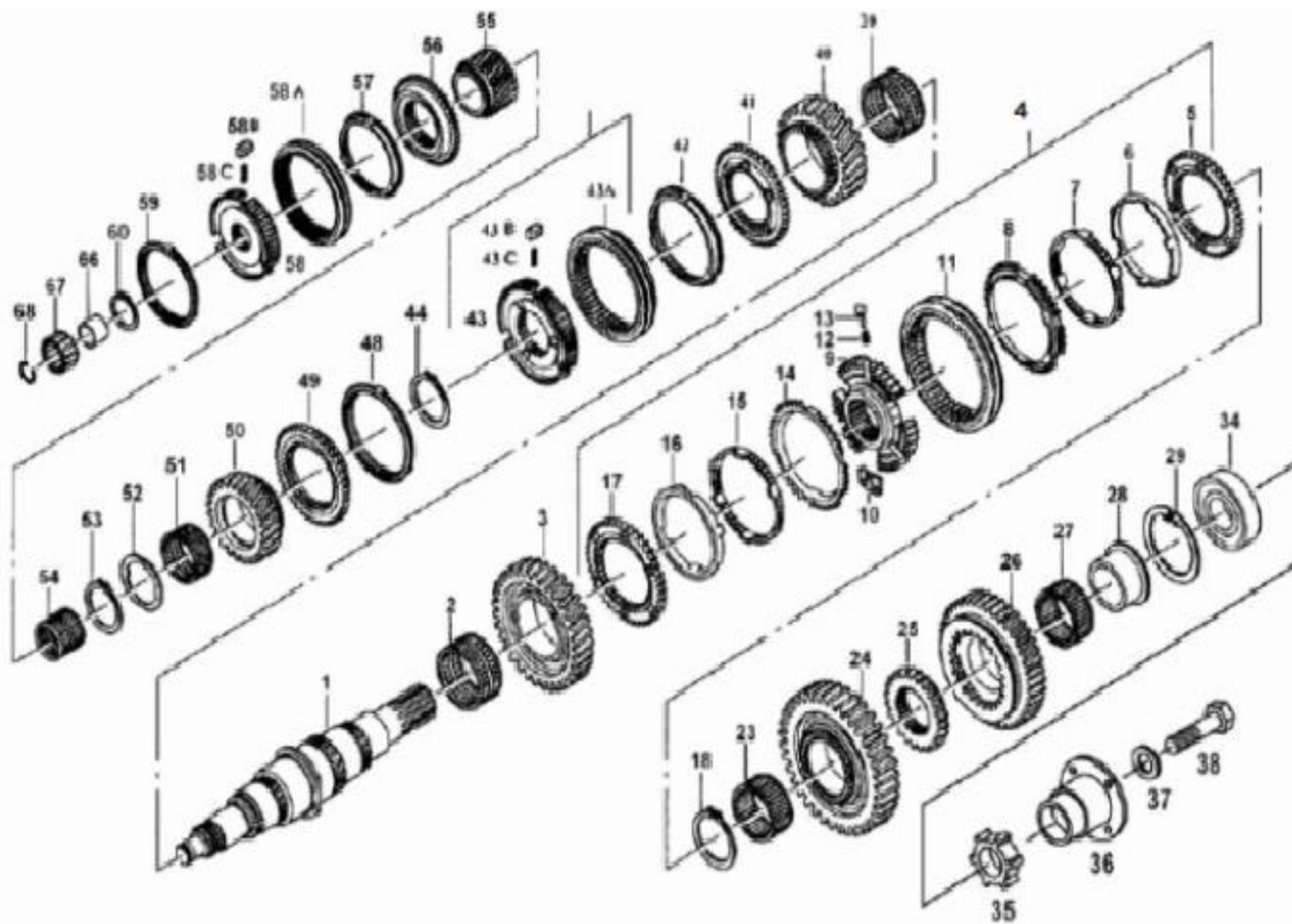


MAINSHAFT**Diagram No. 33**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32202-0002	MAIN SHAFT	1	COMMON FOR ZF 6S GEARBOX ONLY	
2	64.93401-0020	NEEDLE CAGE 75X83X35 INA	1	COMMON FOR ZF 6S GEARBOX ONLY	
3	64.32301-0016	HELICAL GEAR (2ND ON MAIN SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
4	64.32420-0014	SYNCHRONIZER RING (3/4 GEAR) (Alternate for 4)	1	COMMON FOR ZF 6S GEARBOX ONLY	
5	64.30725-0011	CLUTCH DISC	1	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.93420-0035	INTERNAL RING	1	COMMON FOR ZF 6S GEARBOX ONLY	SUPERCEDED BY 64.93420-0036
7	64.93420-0037	INTERMEDIATE RING (1/2 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.93420-0022	OUTER RING	1	COMMON FOR ZF 6S GEARBOX ONLY	
9	64.32420-0015	SYNCHRONIZER BODY (1/2 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
10	64.39115-7001	COUPLING ELEMENT (1,2)	3	COMMON FOR ZF 6S GEARBOX ONLY	
11	64.32402-0006	SLIDING SLEEVE (1/2 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
12	64.97601-0012	COMPRESSION SPRING	3	COMMON FOR ZF 6S & 9S GEARBOX	
13	64.32420-0004	PRESSURE PIECE	3	COMMON FOR ZF 9S & 6S GEARBOX	
14	64.93420-0022	OUTER RING	1	COMMON FOR ZF 6S GEARBOX ONLY	
15	64.93420-0037	INTERMEDIATE RING (1/2 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
16	64.93420-0035	INTERNAL RING	1	COMMON FOR ZF 6S GEARBOX ONLY	SUPERCEDED BY 64.93420-0036
17	64.30725-0011	CLUTCH DISC	1	COMMON FOR ZF 6S GEARBOX ONLY	
18	64.90810-0069	CIRCLIP A=4.00	1	COMMON FOR ZF 6S GEARBOX ONLY	
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MAINSHAFT

Diagram No. 33

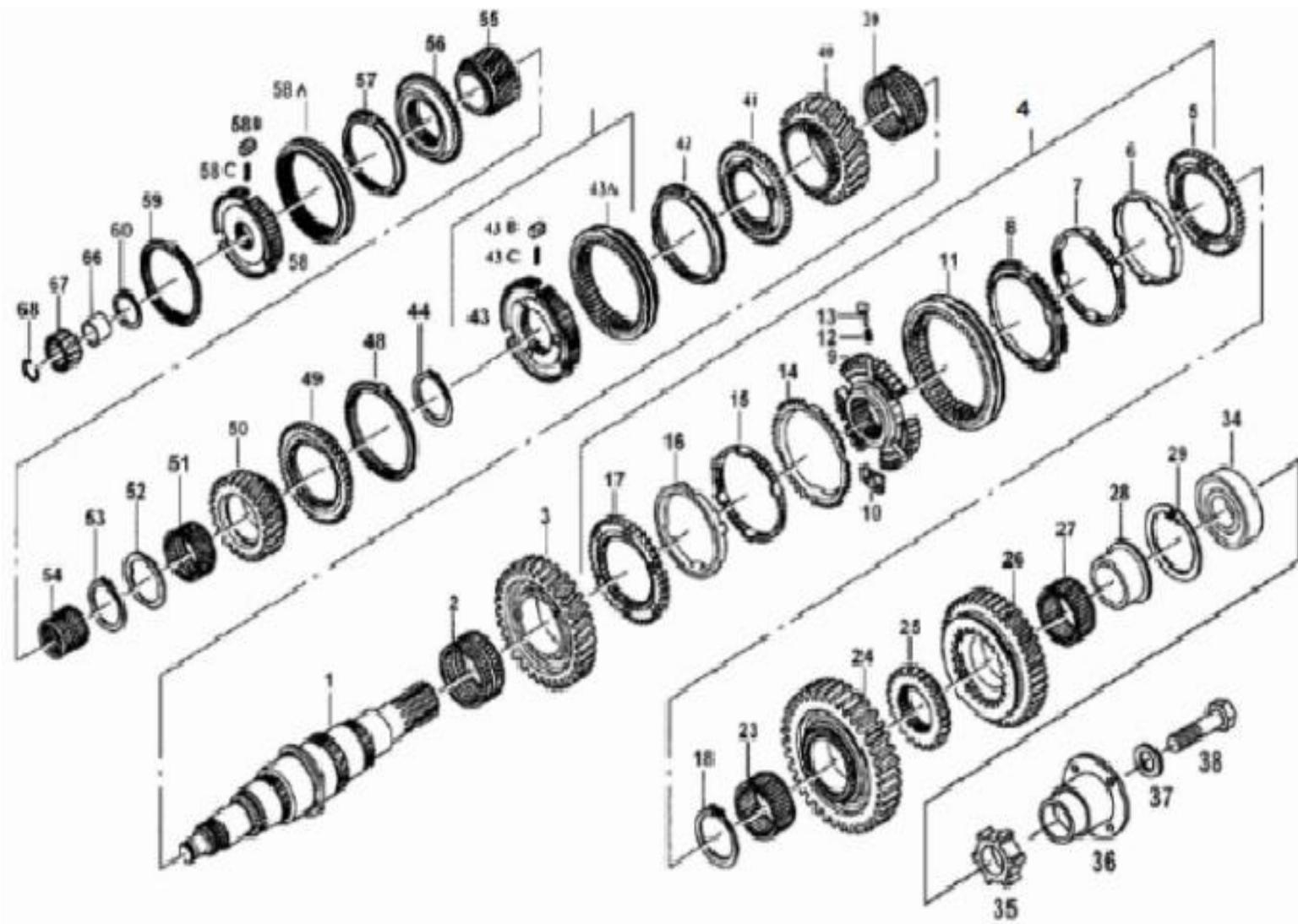


MAINSHAFT**Diagram No. 33**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
18	64.90810-0070	CIRCLIP A=3.95	1	COMMON FOR ZF 6S GEARBOX ONLY	
18	64.90810-0071	CIRCLIP A=3.90	1	COMMON FOR ZF 6S GEARBOX ONLY	
18	64.90810-0072	CIRCLIP A=3.85	1	COMMON FOR ZF 6S GEARBOX ONLY	
18	64.90810-0068	CIRCLIP A=3.80	1	COMMON FOR ZF 6S GEARBOX ONLY	
23	64.93401-0014	NEEDLE CAGE 68X76X35 INA	1	COMMON FOR ZF 6S GEARBOX ONLY	
24	64.32301-0022	SPUR GEAR (1ST ON MAIN SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
25	64.32423-0007	CLUTCH BODY (REV. GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
26	64.32301-0023	SPUR GEAR (REV ON MAIN SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
27	64.93401-0014	NEEDLE CAGE 68X76X35 INA	1	COMMON FOR ZF 6S GEARBOX ONLY	
28	64.93404-0002	THRUST BUSH (REV GEAR ON MAIN SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
29	64.90810-0077	INT.CIRCLIP 100X 3 DIN 472	1	COMMON FOR ZF 6S GEARBOX ONLY	
29	64.90810-0076	INT.CIRCLIP 100X 2.9 DIN 472	1	COMMON FOR ZF 6S GEARBOX ONLY	
29	64.90810-0075	INT.CIRCLIP 100X 2.8 DIN 472	1	COMMON FOR ZF 6S GEARBOX ONLY	
29	64.90810-0074	INT.CIRCLIP 100X 2.7 DIN 472	1	COMMON FOR ZF 6S GEARBOX ONLY	
29	64.90810-0073	INT.CIRCLIP 100X2.6 DIN 472	1	COMMON FOR ZF 6S GEARBOX ONLY	
34	64.93410-0006	BALL BEARING 45X100X25 NSK	1	COMMON FOR ZF 6S GEARBOX ONLY	64.93410-0007 ALTERNATE
35	64.97005-0003	PULSE DISC	1	COMMON FOR ZF 6S GEARBOX ONLY	
36	64.39115-0003	OUTPUT FLANGE	1	COMMON FOR ZF 6S GEARBOX ONLY	
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MAINSHAFT

Diagram No. 33



MAINSHAFT**Diagram No. 33**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
37	64.90711-0028	WASHER (FOR OUTPUT FLANGE)	1	COMMON FOR ZF 6S GEARBOX ONLY	
38	64.90020-0062	SCREW M14X1.5X75 ISO8765-10.9 A3C	1	COMMON FOR ZF 6S GEARBOX ONLY	
39	64.93401-0015	NEEDLE CAGE 75X83X40 INA	1	COMMON FOR ZF 6S GEARBOX ONLY	
40	64.32301-0011	HELICAL GEAR (3RD ON MAIN SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
41	64.32423-0008	CLUTCH BODY (3/4TH)	1	COMMON FOR ZF 6S GEARBOX ONLY	
42	64.32420-0014	SYNCHRONISER RING (3/4 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
43	64.32420-0023	SYNCRONISER HUB (Syn. body 3/4)	1	COMMON FOR ZF 6S GEARBOX ONLY	SUPERSEDED BY 64.32420-0018
43A	64.32402-0007	SLIDING SLEEVE (3/4 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
43B	64.32510-0002	PRESSURE PIECE (3,4,5,6 GEAR)	3	COMMON FOR ZF 6S GEARBOX ONLY	
43C	64.97601-0018	COMPRESSION SPRING	3	COMMON FOR ZF 6S GEARBOX ONLY	
44	64.90810-0081	CIRCLIP (SYN BODY 3/4) 3.2 MM THK	1	COMMON FOR ZF 6S GEARBOX ONLY	
44	64.90810-0080	CIRCLIP (SYN BODY 3/4) 3.1 MM THK	1	COMMON FOR ZF 6S GEARBOX ONLY	
44	64.90810-0079	CIRCLIP (SYN BODY 3/4) 3.00 MM THK	1	COMMON FOR ZF 6S GEARBOX ONLY	
44	64.90810-0078	CIRCLIP (SYN BODY 3/4) 2.9 MM THK	1	COMMON FOR ZF 6S GEARBOX ONLY	
48	64.32420-0011	SYNCHRONISER RING (3/4 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	SUPERCEDED BY 64.32420-0014
49	64.32423-0009	CLUTCH BODY (3/4TH)	1	COMMON FOR ZF 6S GEARBOX ONLY	
50	64.32301-0013	HELICAL GEAR (4TH ON MAIN SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
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MAINSHAFT**Diagram No. 33**

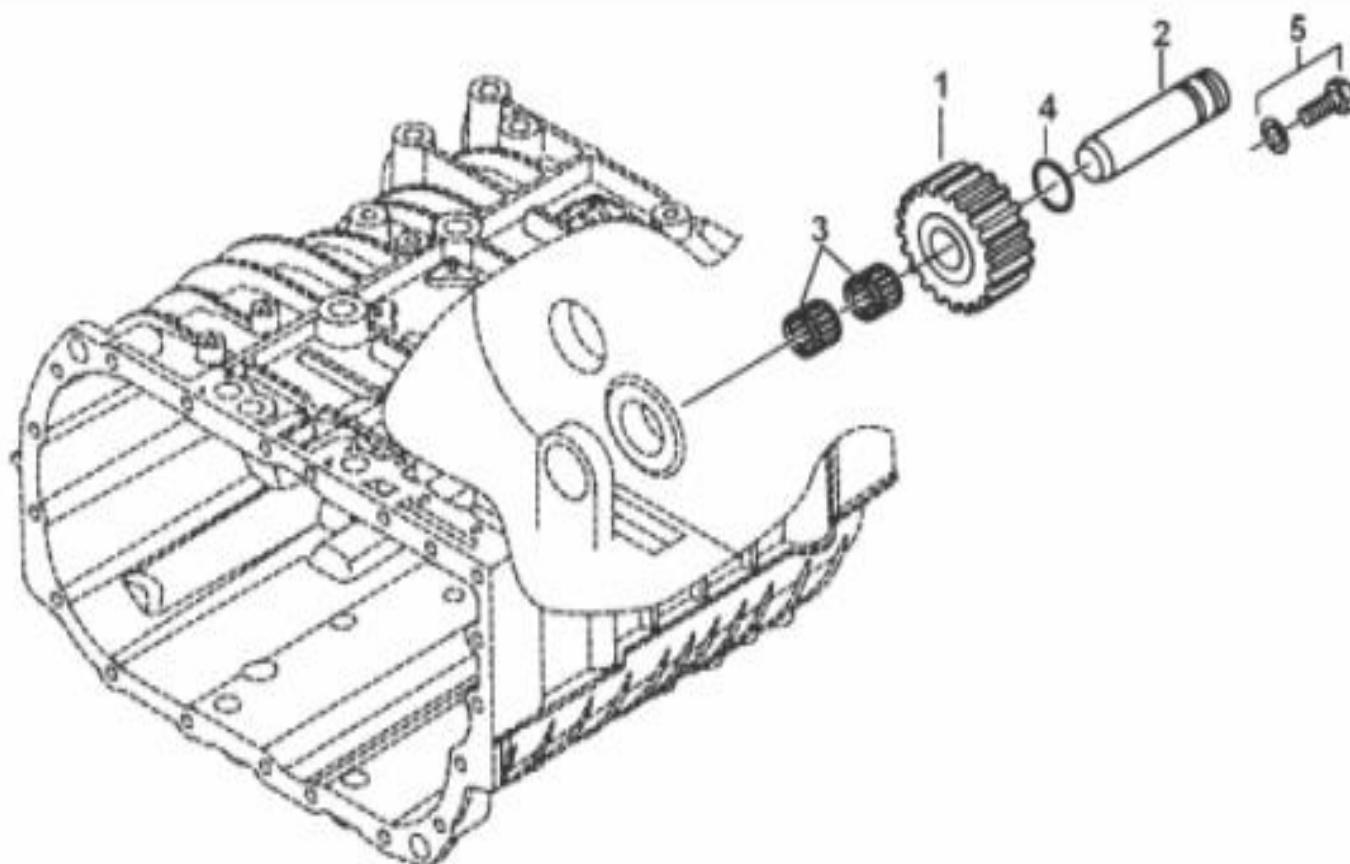
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
51	64.93401-0016	NEEDLE CAGE 60X68X30 INA	1	COMMON FOR ZF 6S GEARBOX ONLY	
52	64.90770-0127	WASHER A=7	1	COMMON FOR ZF 6S GEARBOX ONLY	
53	64.90810-0088	RETAINING RING	1	COMMON FOR ZF 6S GEARBOX ONLY	
54	64.93401-0017	NEEDLE CAGE 44X50X45 INA	1	COMMON FOR ZF 6S GEARBOX ONLY	
55	64.32301-0009	HELICAL GEAR (6TH ON MAIN SHAFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
56	64.32423-0006	CLUTCH BODY	1	COMMON FOR ZF 6S GEARBOX ONLY	
57	64.32420-0012	SYNCHRONISER RING (5,6 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	SUPERCEDED BY 64.32420-0013
58	64.32420-0016	SYNCHRONISER BODY (5,6 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
58A	64.32402-0008	SLIDING SLEEVE (5,6 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
58B	64.32510-0002	PRESSURE PIECE (3,4,5,6 GEAR)	3	COMMON FOR ZF 6S GEARBOX ONLY	
58C	64.97601-0018	COMPRESSION SPRING	3	COMMON FOR ZF 6S GEARBOX ONLY	
59	64.32420-0012	SYNCHRONISER RING (5,6 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	SUPERCEDED BY 64.32420-0013
60	64.90810-0084	RETAINING RING 2.35MM THK	1	COMMON FOR ZF 6S GEARBOX ONLY	
60	64.90810-0087	EXT.CIRCLIP 40X2.50 DIN 471	2	COMMON FOR ZF 6S GEARBOX ONLY	
60	64.90810-0086	EXT.CIRCLIP 40X2.45 DIN 471	2	COMMON FOR ZF 6S GEARBOX ONLY	
60	64.90810-0085	EXT.CIRCLIP 40X2.40 DIN 471	2	COMMON FOR ZF 6S GEARBOX ONLY	
60	64.90810-0083	EXT.CIRCLIP 40X2.30 DIN 471	2	COMMON FOR ZF 6S GEARBOX ONLY	
60	64.90810-0082	EXT.CIRCLIP 40X2.20 DIN 471	2	COMMON FOR ZF 6S GEARBOX ONLY	
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MAINSHAFT

Diagram No. 33

REVERSE IDLER GEAR

Diagram No. 34

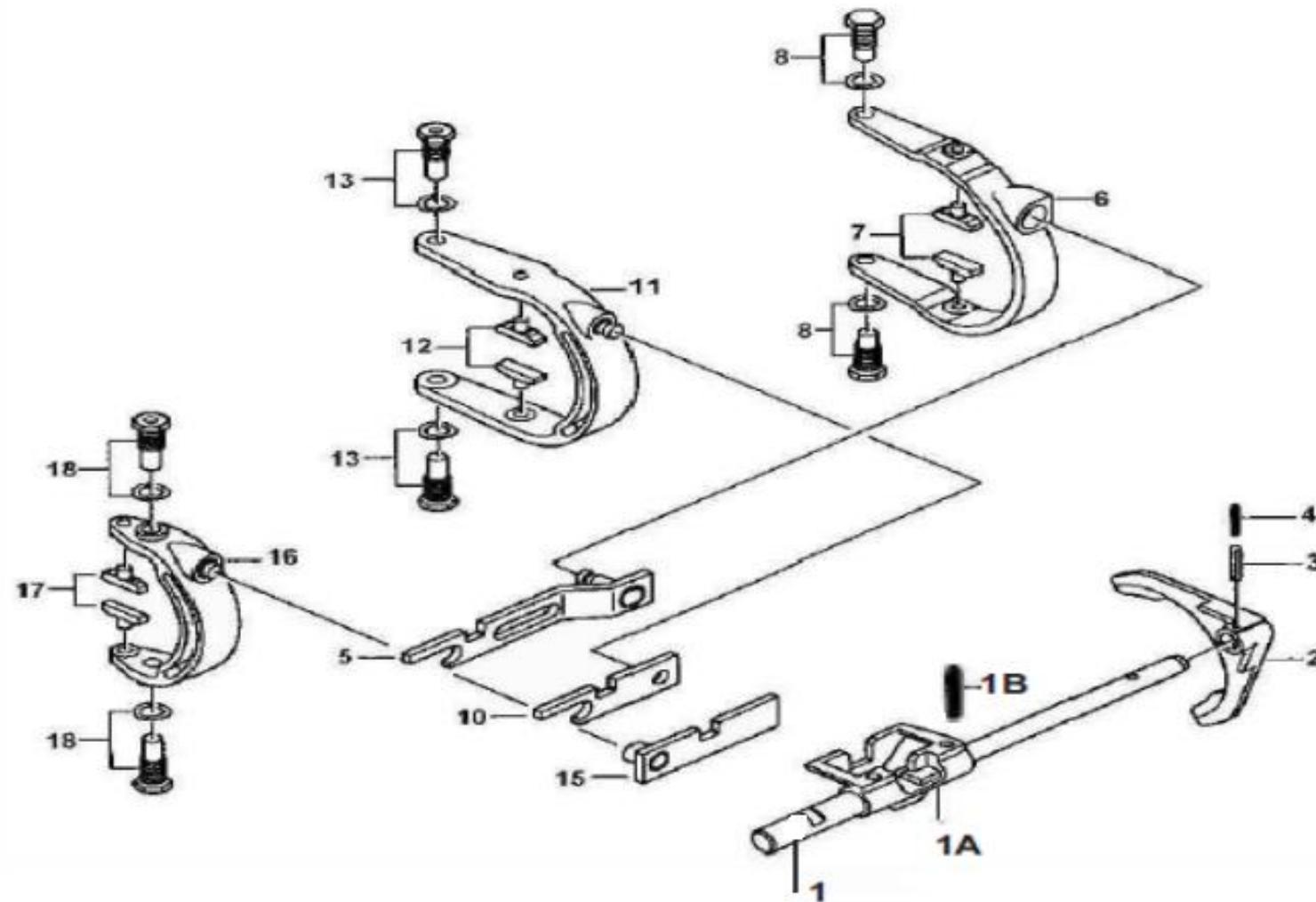


REVERSE IDLER GEAR

Diagram No. 34

SHIFTING FORKS

Diagram No. 35



SHIFTING FORKS

Diagram No. 35

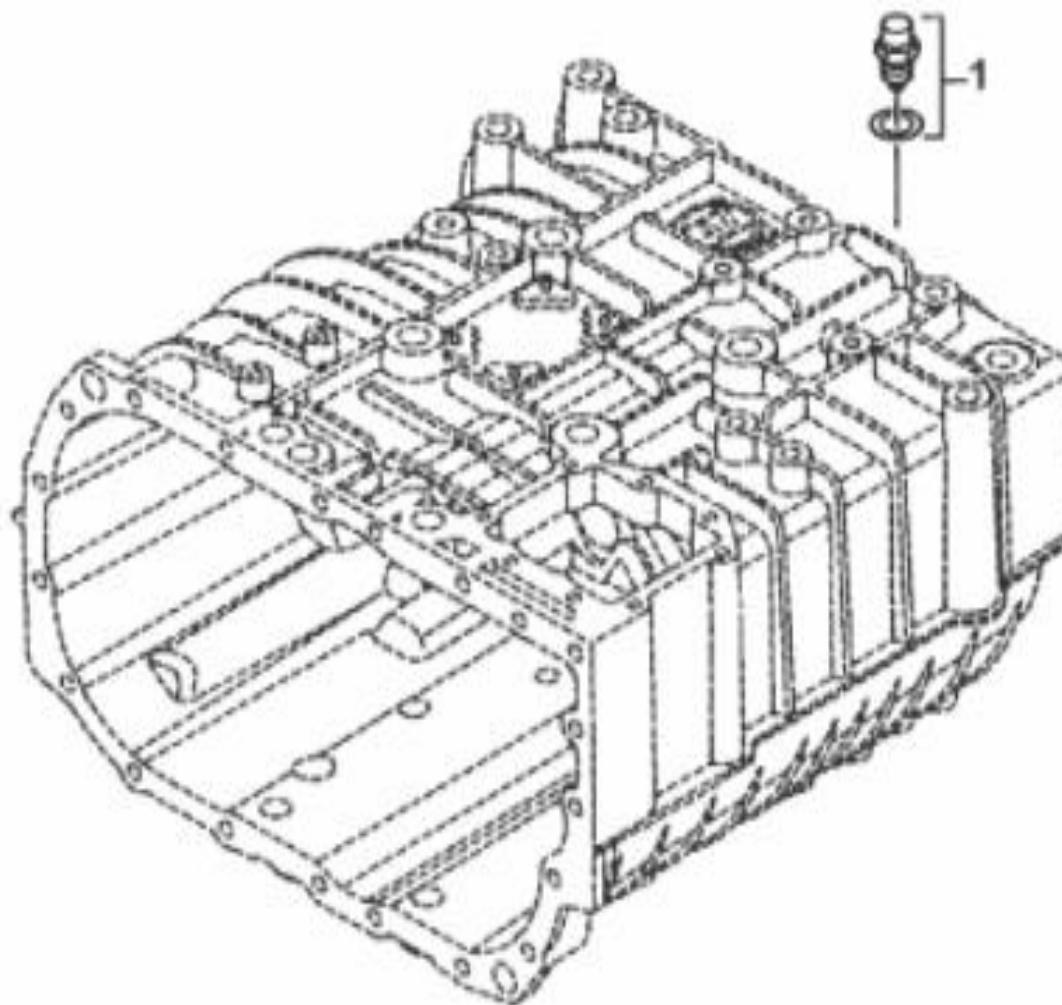
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32518-0003	GEAR SHIFT RAIL	1	COMMON FOR ZF 6S GEARBOX ONLY	
1A	64.32203-0002	DRIVER	1	COMMON FOR ZF 6S GEARBOX ONLY	
1B	64.91020-0017	SLOT PIN 6X32 ISO 8752 ST	2	COMMON FOR ZF 6S GEARBOX ONLY	
2	64.32515-0009	GEAR SHIFT FORK RG	1	COMMON FOR ZF 6S GEARBOX ONLY	
3	64.91020-0018	SLOT PIN 6X28 ISO 8752 ST	2	COMMON FOR ZF 6S GEARBOX ONLY	
4	64.91020-0019	SLOT PIN 3.5X28 ISO ISO 8752 ST	1	COMMON FOR ZF 6S GEARBOX ONLY	
5	64.32610-6002	DRAG LINK ASSLY (1,2 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.32515-0008	GEAR SHIFT FORK (1/2)	1	COMMON FOR ZF 6S GEARBOX ONLY	
7	64.32526-0004	SLIDING PAD	2	COMMON FOR ZF 6S GEARBOX ONLY	
8	64.90490-0028	ARTICULATION BOLT M18X1.5	2	COMMON FOR ZF 6S GEARBOX ONLY	
8A	64.90801-0004	SPRING WASHER	2	COMMON FOR ZF 6S GEARBOX ONLY	
10	64.32610-6003	DRAG LINK (3,4 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
11	64.30560-5002	GEAR SHIFT FORK ASSLY (3,4 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
12	64.32526-0005	SLIDING PAD	2	COMMON FOR ZF 6S GEARBOX ONLY	
13	64.90490-0027	ARTICULATION BOLT M18X1.5	2	COMMON FOR ZF 6S GEARBOX ONLY	
13A	64.90801-0004	SPRING WASHER	2	COMMON FOR ZF 6S & 9S GEARBOX	
14	64.32610-6005	DRAG LINK ASSLY (5,6 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
16	64.30560-5006	GEAR SHIFT FORK ASY. (5,6 GEAR)	1	COMMON FOR ZF 6S GEARBOX ONLY	
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SHIFTING FORKS

Diagram No. 35

DETENT PLUNGER

Diagram No. 36

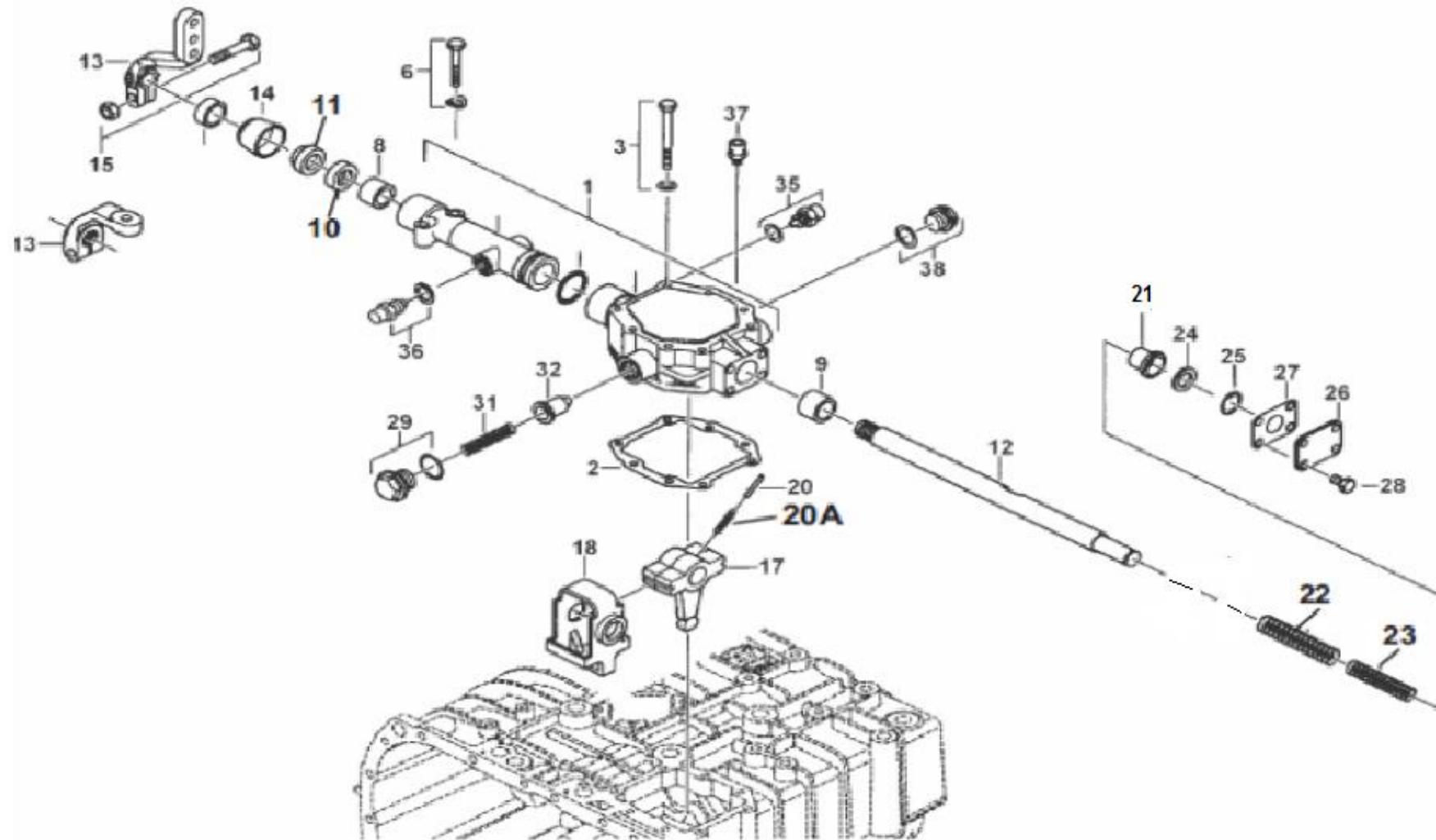


DETENT PLUNGER

Diagram No. 36

GEAR SHIFT MECHANISM

Diagram No. 37



GEAR SHIFT MECHANISM

Diagram No. 37

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32103-0002	GEAR SHIFT HOUSING (6S850-RH SHIFT)	1	COMMON FOR ZF 6S GEARBOX ONLY	
2	64.96601-0025	GASKET	1	COMMON FOR ZF 6S GEARBOX ONLY	
3	64.90020-0067	SCREW M8X70 Z3 DIN6900 ISO4014-8.8 A3C	8	COMMON FOR ZF 6S GEARBOX ONLY	
3	64.90801-0201	WAVE WASHER B 8 DIN 137 BTS 170202.12	8	COMMON FOR ZF 6S & 9S GEARBOX	
6	64.90020-0064	HEX.HEAD SCREW M8X50 ISO 4017-8.8 A3C	2	COMMON FOR ZF 6S GEARBOX ONLY	
6	64.90801-0201	WAVE WASHER B 8 DIN 137 BTS 170202.12	2	COMMON FOR ZF 6S & 9S GEARBOX	
8	64.93021-0016	BEARING BUSH	1	COMMON FOR ZF 6S & 9S GEARBOX	
9	64.93021-0016	BEARING BUSH	1	COMMON FOR ZF 6S & 9S GEARBOX	
10	64.96501-0067	SHAFT SEAL 25X35X7B ZFN132NB	1	COMMON FOR ZF 6S GEARBOX ONLY	
11	64.32701-0002	ROD WIPER 25X35X7-10 AS ZFN132 NB	1	COMMON FOR ZF 6S GEARBOX ONLY	
12	64.32515-0011	GEAR CHANGE SHAFT	1	COMMON FOR ZF 6S GEARBOX ONLY	
13	64.32670-0002	GEAR SHIFT LEVER	1	COMMON FOR ZF 6S GEARBOX ONLY	
14	64.96002-0048	CAP	1	COMMON FOR ZF 6S GEARBOX	
15	64.90020-0063	HEX.HEAD SCREW M10X40 DIN 933-10.9 A3C	1	COMMON FOR ZF 6S & 9S GEARBOX	
15	64.90501-0025	NUT M10X1 DIN 934-10 MAN183 B1	1		
17	64.32702-0001	SHIFT FINGER	1	COMMON FOR ZF 6S GEARBOX ONLY	
18	64.32522-0004	LOCKING PIECE	1	COMMON FOR ZF 6S GEARBOX ONLY	
20	64.91020-0021	SLOT PIN 5X36 DIN 1481	2	COMMON FOR ZF 6S GEARBOX ONLY	
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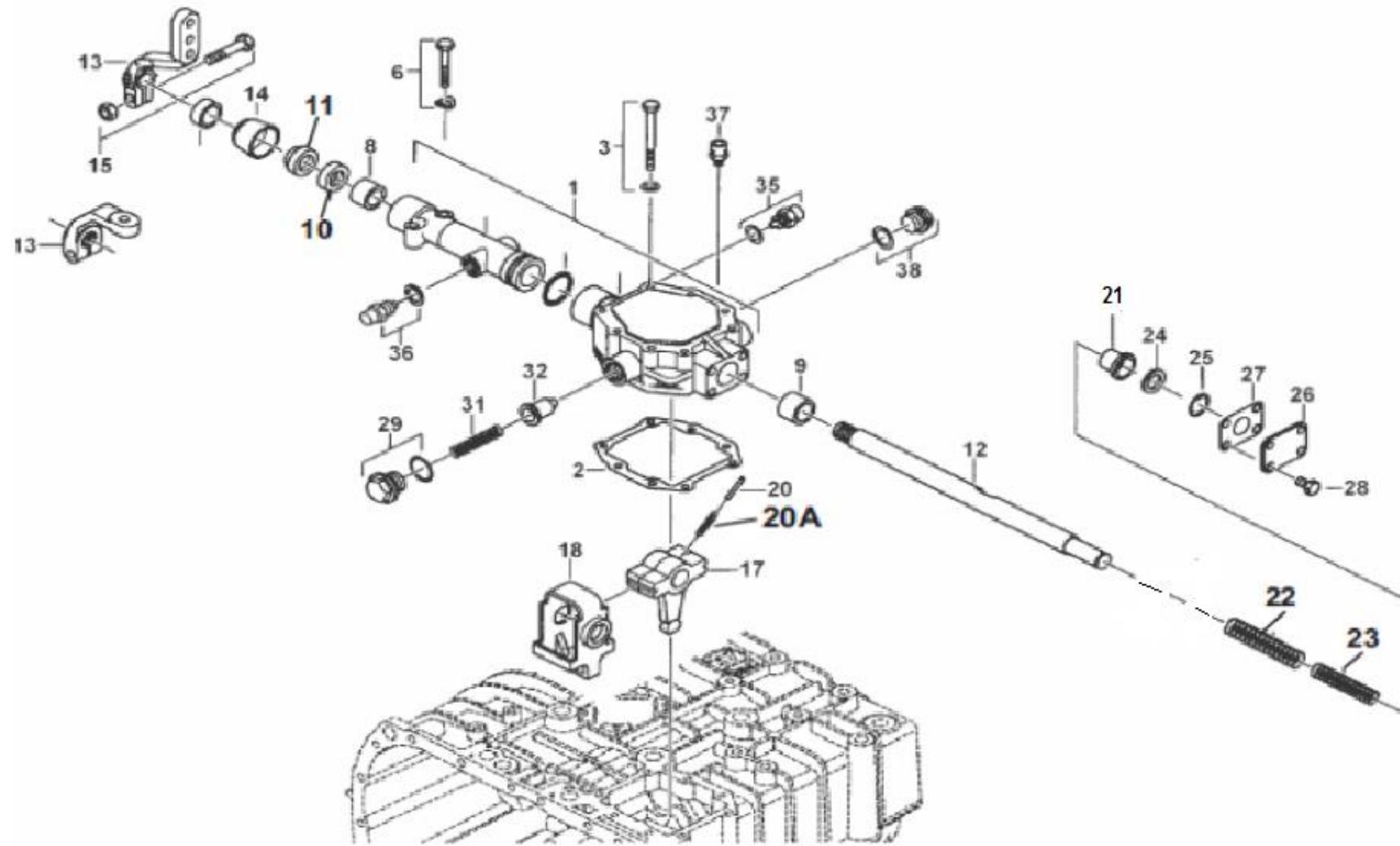
GEAR SHIFT MECHANISM

Diagram No. 37

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
20A	64.91020-0101	SPRING DOWEL 8X36 DIN1481 (PHOSPHATED)	2	COMMON FOR ZF 6S GEARBOX ONLY	
21	64.94299-0015	SLEEVE	1	COMMON FOR ZF 6S GEARBOX ONLY	
22	64.97601-0020	COMPRESSION SPRING	1	COMMON FOR ZF 6S GEARBOX ONLY	
23	64.97601-0034	COMPRESSION SPRING	1	COMMON FOR ZF 6S GEARBOX ONLY	
24	64.90770-0128	WASHER 2MM THK	1	COMMON FOR ZF 6S GEARBOX ONLY	
25	64.90810-0089	EXT.CIRCLIP 16X1.5 DIN471	1	COMMON FOR ZF 6S GEARBOX ONLY	
26	64.32508-0011	COVER	1	COMMON FOR ZF 6S GEARBOX ONLY	
27	64.96601-0024	GASKET	1	COMMON FOR ZF 6S GEARBOX ONLY	
28	64.90020-0094	HHS M8 X 20 DIN 933 -8.8 BTS170202.22	4	COMMON FOR ZF 6S & 9S GEARBOX	
29	64.90490-0016	SCREW PLUG M24X1.5 DIN 910-ST A3C	1	COMMON FOR ZF 6S & 9S GEARBOX	
29	64.91710-0042	SEALING RING A24 X 29 DIN 7603 AL	1	COMMON FOR ZF 6S & 9S GEARBOX	
31	64.97601-0019	COMPRESSION SPRING	1	COMMON FOR ZF 6S GEARBOX ONLY	
32	64.91020-0025	FLANGE BOLT A=28.55	1	COMMON FOR ZF 6S GEARBOX ONLY	
32	64.91020-0026	FLANGE BOLT A=28.40	1	COMMON FOR ZF 6S GEARBOX ONLY	
32	64.91020-0027	FLANGE BOLT A=28.25	1	COMMON FOR ZF 6S GEARBOX ONLY	
35	64.32523-6001	DETENT PLUNGER SUB ASSAY.	1	COMMON FOR ZF 6S GEARBOX ONLY	
36	64.32523-6002	DETENT PLUNGER SUB ASSLY.	1	COMMON FOR ZF 6S GEARBOX ONLY	
37	64.98181-6003	BREATHER	1	COMMON FOR ZF 6S &9S GEARBOX	
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GEAR SHIFT MECHANISM

Diagram No. 37

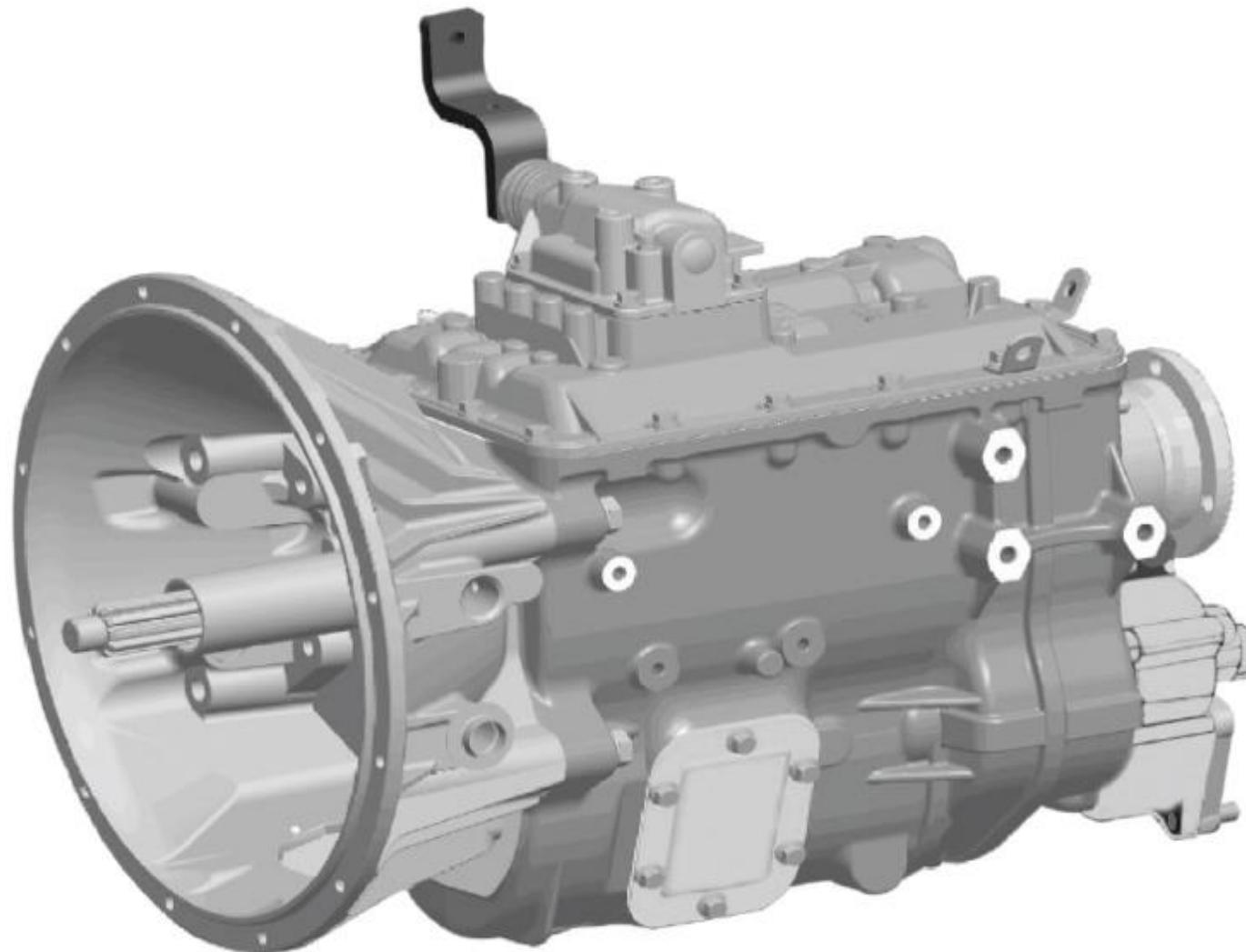


GEAR SHIFT MECHANISM

Diagram No. 37

GEAR BOX ASSEMBLY (EATON DD 6S)

Diagram No. 38

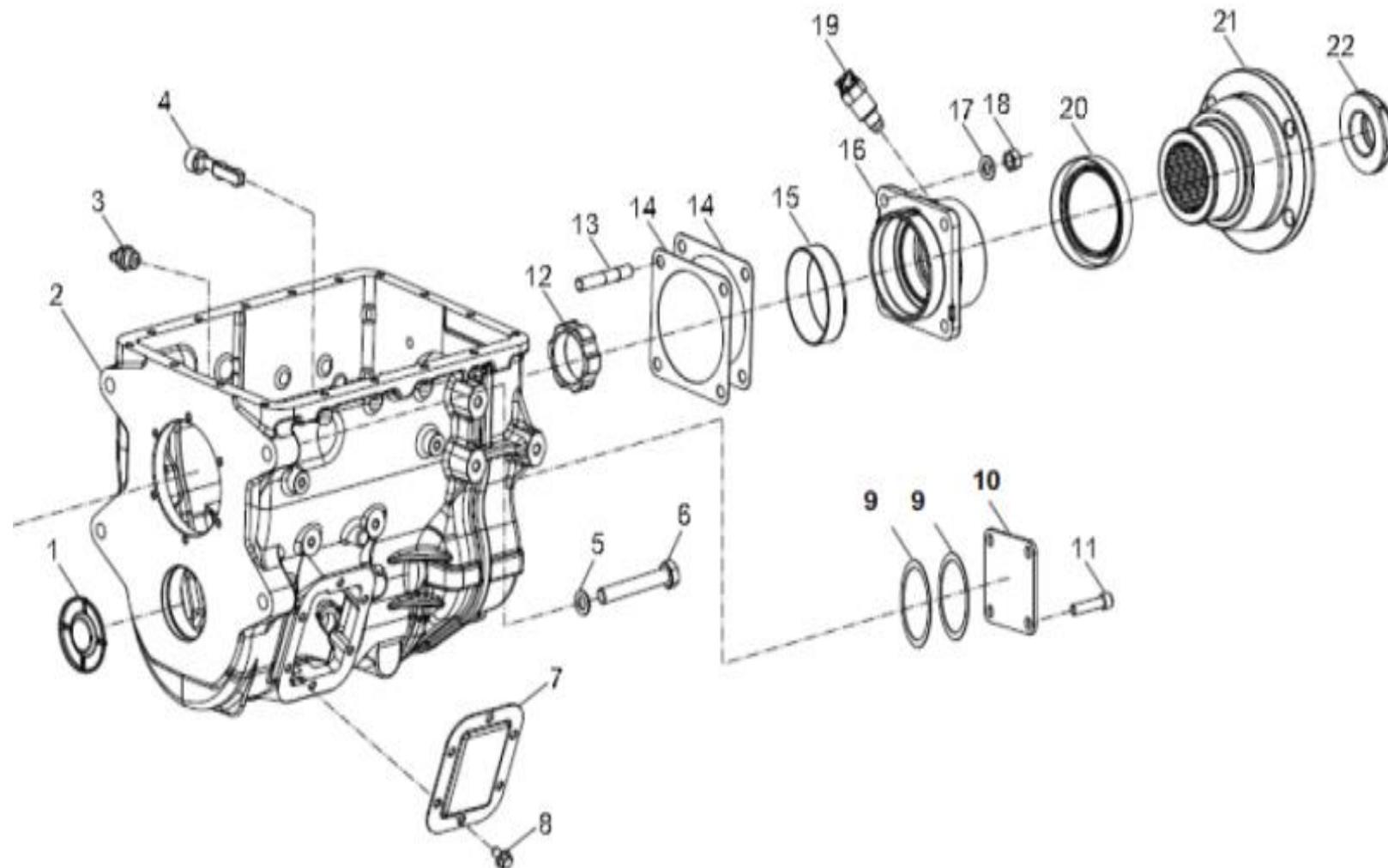


GEAR BOX ASSEMBLY (EATON DD 6S)

Diagram No. 38

GEAR BOX HOUSING (EATON DD 6S)

Diagram No. 39



GEAR BOX HOUSING (EATON DD 6S)**Diagram No. 39**

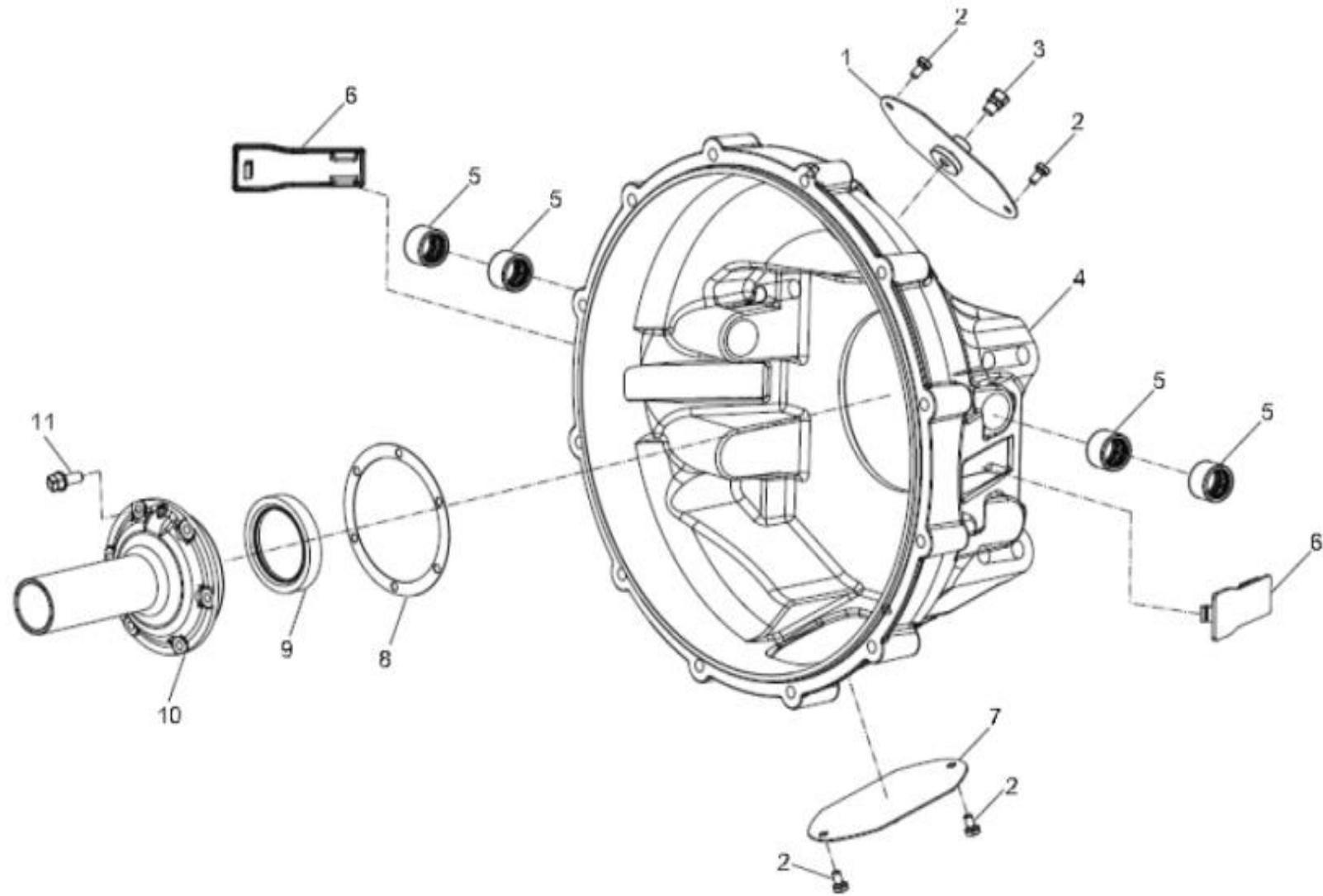
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96002-0127	PLUG	1		
2	64.32101-0016	CASE	1		
3	64.90490-0104	FILLER PLUG	1		
4	64.90490-0105	MAGNETIC PLUG	1		
5	64.90490-0106	SCREW	4		
6	64.90713-0101	LOCK WASHER	4		
7	64.32508-0035	PTO PROVISION COVER	2		
8	64.90490-0107	CAP SCREW	12		
9	64.32312-0053	SHIM 0.178	As Reqd		
9	64.32312-0054	SHIM 0.254	As Reqd		
9	64.32312-0055	SHIM 0.508	As Reqd		
9	64.32312-0056	SHIM 1.016	As Reqd		
10	64.32508-0036	C/S BEARING COVER	1		
11	64.90020-0487	SCREW HEX HEAD	4		
12	64.97005-0005	SPEEDO ROTOR	1		
13	64.95160-0110	STUD	4		
14	64.32312-0057	SHIM 0.102	1		
14	64.32312-0058	SHIM 0.178	1		
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GEAR BOX HOUSING (EATON DD 6S)**Diagram No. 39**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
14	64.32312-0059	SHIM 0.254	1		
14	64.32312-0060	SHIM 0.508	1		
14	64.32312-0061	SHIM 1.016	1		
15	64.93420-6017	BEARING	1		
16	64.32101-0017	COVER, BEARING, REAR	1		
17	64.90710-0121	WASHER	4		
18	64.90501-0141	NUT	4		
19	64.27421-0026	SENSOR SPEEDO	1		
20	64.96501-0154	OIL SEAL	1		
21	64.39115-0025	COUPLING FLANGE	1		
22	64.90620-0051	NUT	1		
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CLUTCH HOUSING (EATON DD 6S)

Diagram No. 40

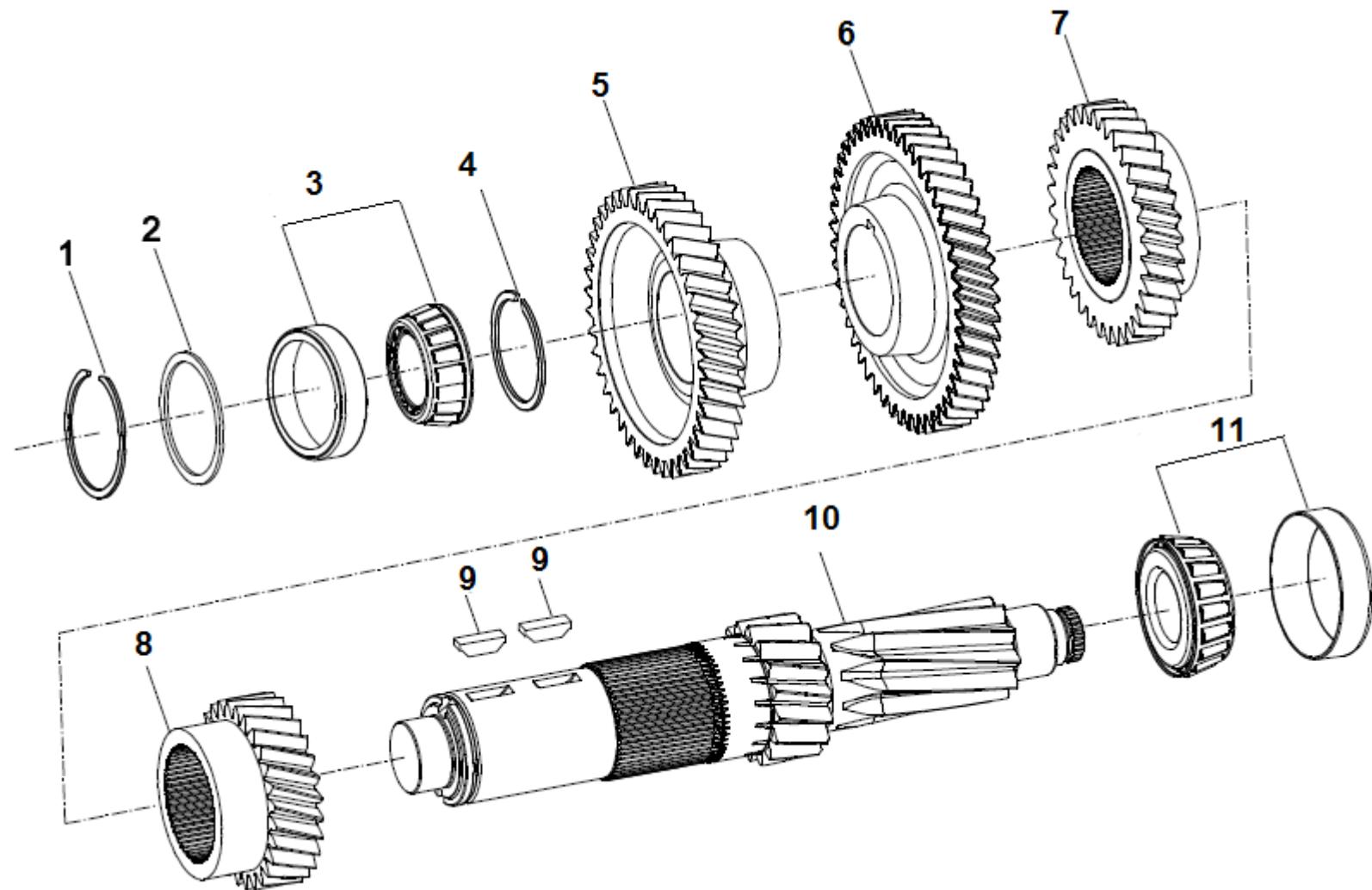


CLUTCH HOUSING (EATON DD 6S)**Diagram No. 40**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32508-0037	HAND HOLE COVER ASSEMBLY	2		
2	64.90490-7051	SCREW & WASHER ASSEMBLY	4		
3	64.98181-6024	BREATHER	1		
4	64.30101-0017	CLUTCH HOUSING	1		
5	64.93420-0088	NEEDLE ROLLER BEARING	4		
6	64.32508-0038	COVER PLATE SIDE WINDOW	2		
7	64.32508-0039	COVER HAND HOLE	1		
8	64.96601-0089	GASKET	1		
9	64.96501-0136	OIL SEAL	1		
10	64.32508-0040	FRONT BEARING COVER	1		
11	64.90490-0108	SCREW	6		
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COUNTER SHAFT (EATON DD 6S)

Diagram No. 41

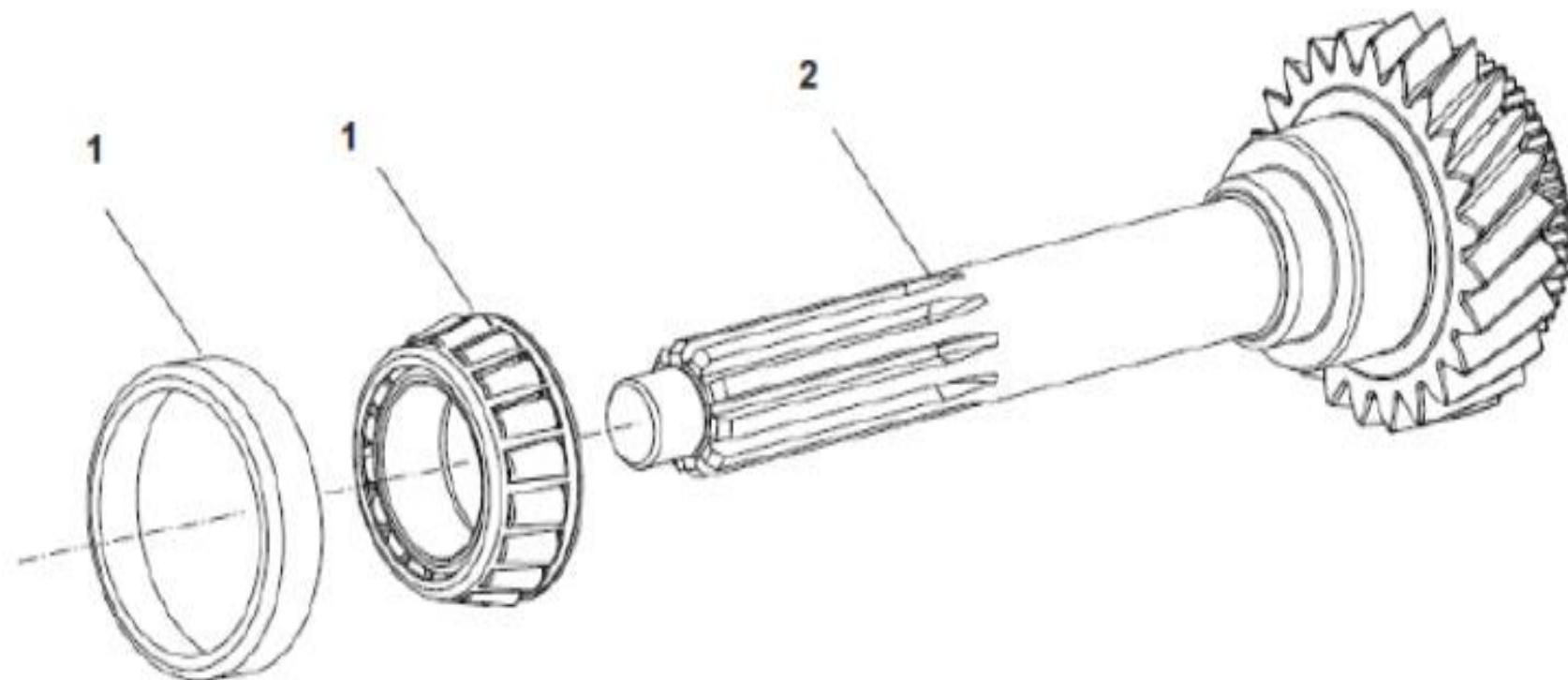


COUNTER SHAFT (EATON DD 6S)**Diagram No. 41**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90820-0053	SNAP RING	1		
2	64.91701-0040	WASHER	1		
3	64.93420-6015	BEARING CUP & CONE	1		
4	64.90820-0054	SNAP RING	1		
5	64.32301-0061	DRIVE GEAR COUNTER SHAFT	1		
6	64.32301-0065	5TH GEAR COUNTER SHAFT	1		
7	64.32301-0064	4TH GEAR COUNTER SHAFT	1		
8	64.32301-0063	3RD GEAR COUNTER SHAFT	1		
9	64.94091-0002	KEY	2		
10	64.32205-0005	COUNTER SHAFT	1		
11	64.93420-6016	BEARING CUP & CONE	1		
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INPUT SHAFT (EATON DD 6S)

Diagram No. 42

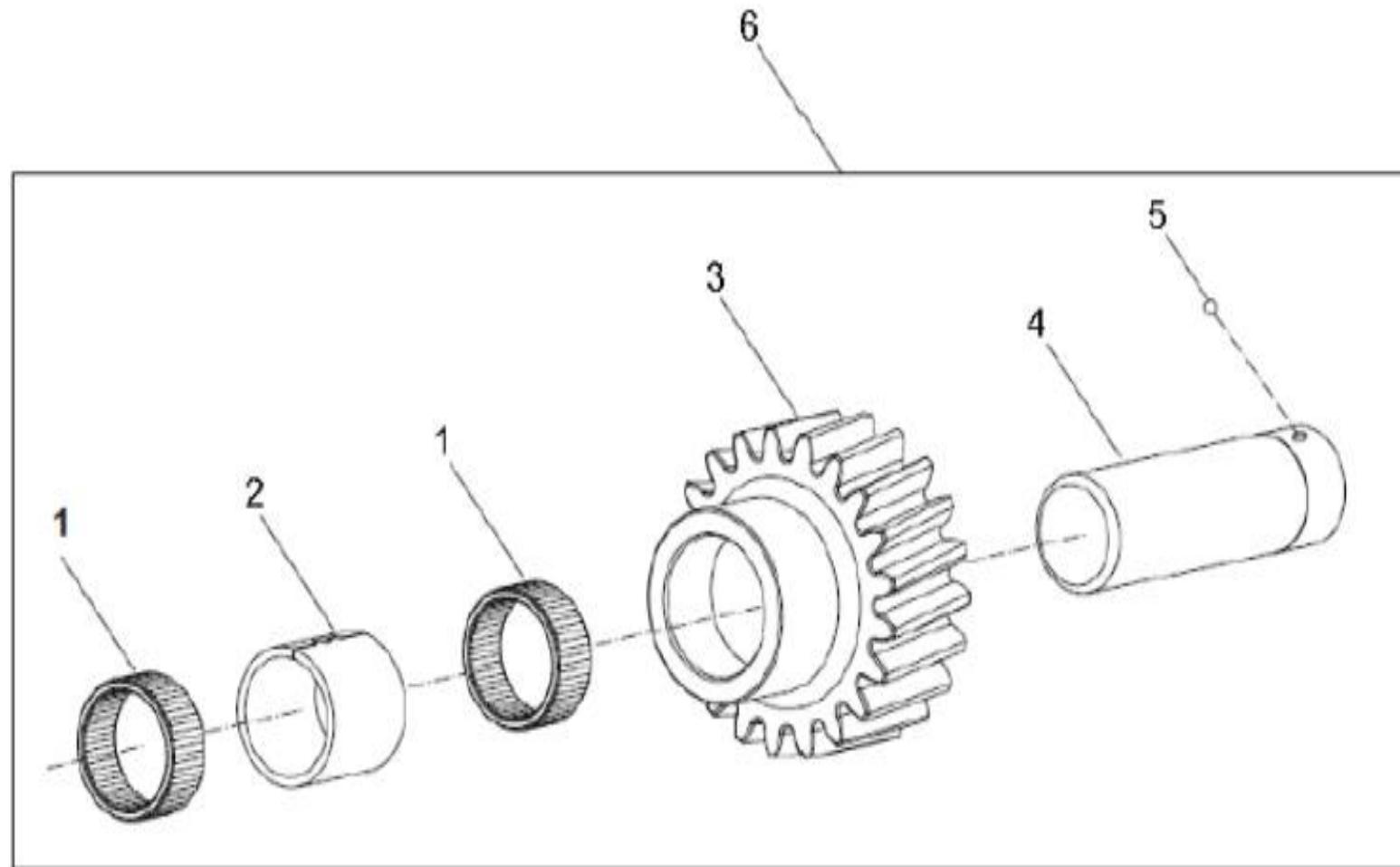


INPUT SHAFT (EATON DD 6S)

Diagram No. 42

REVERSE IDLER GEAR (EATON DD 6S)

Diagram No. 43

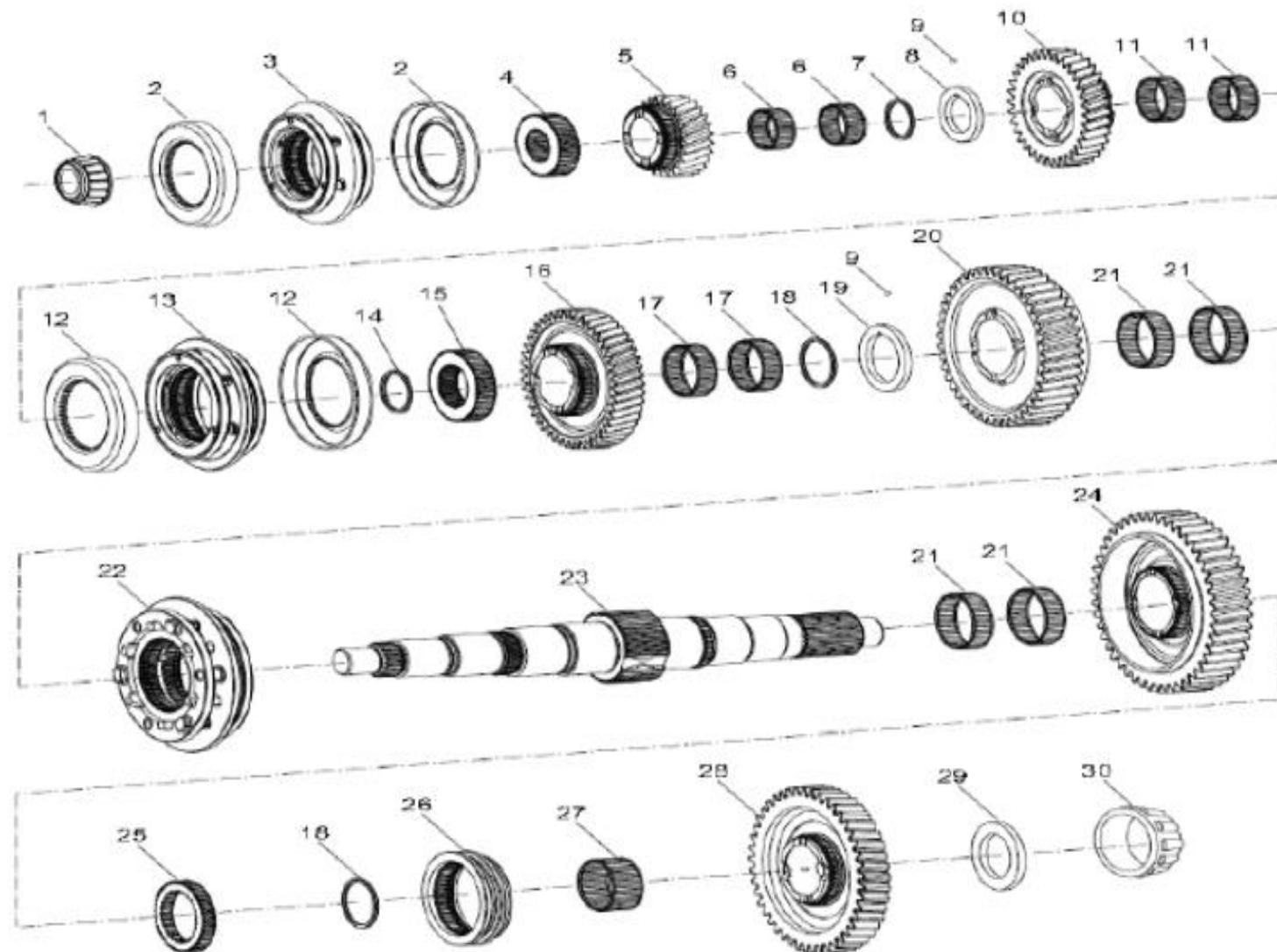


REVERSE IDLER GEAR (EATON DD 6S)

Diagram No. 43

MAINSHAFT (EATON DD 6S)

Diagram No. 44



MAINSHAFT (EATON DD 6S)**Diagram No. 44**

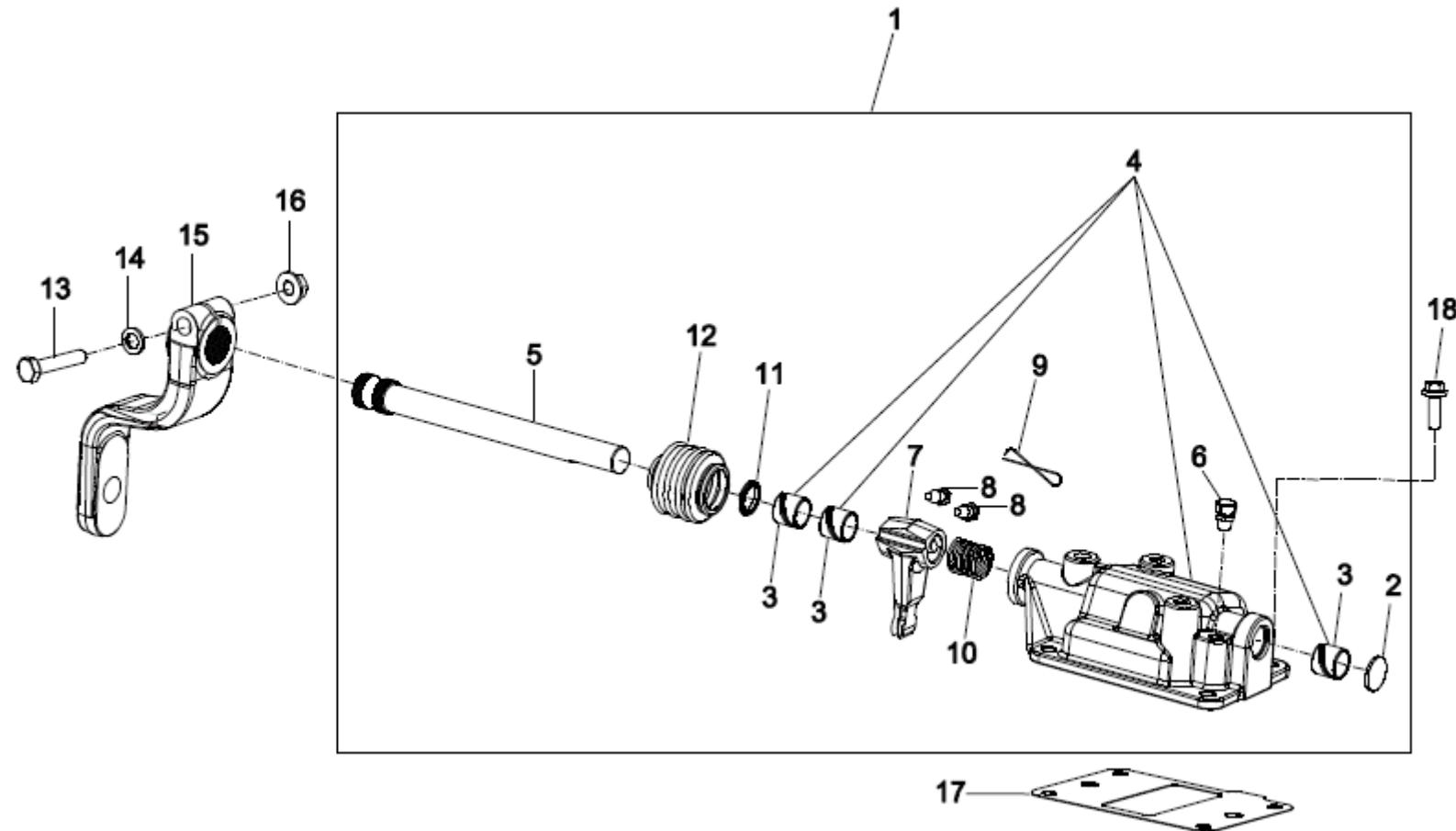
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.93420-0241	BEARING CONE	1		
2	64.32420-0031	SYNCRO CUP 5/6	2		
3	64.32420-6031	SYNCRO ASSY. 5/6	1		
4	64.32420-0032	CLUTCH HUB 5/6	1		
5	64.32301-0055	5TH GEAR MAIN SHAFT	1		
6	64.93401-0061	BEARING	2		
7	64.90820-0055	SNAP RING	1		
8	64.32204-0002	WASHER	1		
9	64.96481-0011	STEEL BALL	2		
10	64.32301-0054	4TH GEAR MAIN SHAFT	1		
11	64.93401-0062	BEARING	2		
12	64.32420-0033	CUP SYNCHRONIZER	2		
13	64.32420-6032	SYNCHRONIZER ASSEMBLY 3/4	1		
14	64.90820-0056	SNAP RING	1		
15	64.32420-0034	CLUTCH HUB 3/4	1		
16	64.32301-0053	3RD GEAR MAIN SHAFT	1		
17	64.93401-0063	BEARING	2		
18	64.90820-0057	SNAP RING	2		
Page No. 58		REVISION NO. 00			

MAINSHAFT (EATON DD 6S)**Diagram No. 44**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
19	64.32204-0003	WASHER	1		
20	64.32301-0052	2ND GEAR MAIN SHAFT	1		
21	64.93401-0064	BEARING	4		
22	64.32420-6033	SYNCHRONIZER ASSY.1/2	1		
23	64.32202-0006	MAIN SHAFT	1		
24	64.32301-0051	1ST GEAR MAIN SHAFT	1		
25	64.32420-0035	CLUTCH HUB REVERSE	1		
26	64.32420-0036	SLIDING CLUTCH REVERSE	1		
27	64.93401-0065	BEARING	1		
28	64.32301-0050	REVERSE GEAR MAIN SHAFT	1		
29	64.32202- 0004	THRUST WASHER	1		
30	64.93420-0242	BEARING CONE	1		
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CONTROL HOUSING ASSEMBLY (EATON DD 6S)

Diagram No. 45

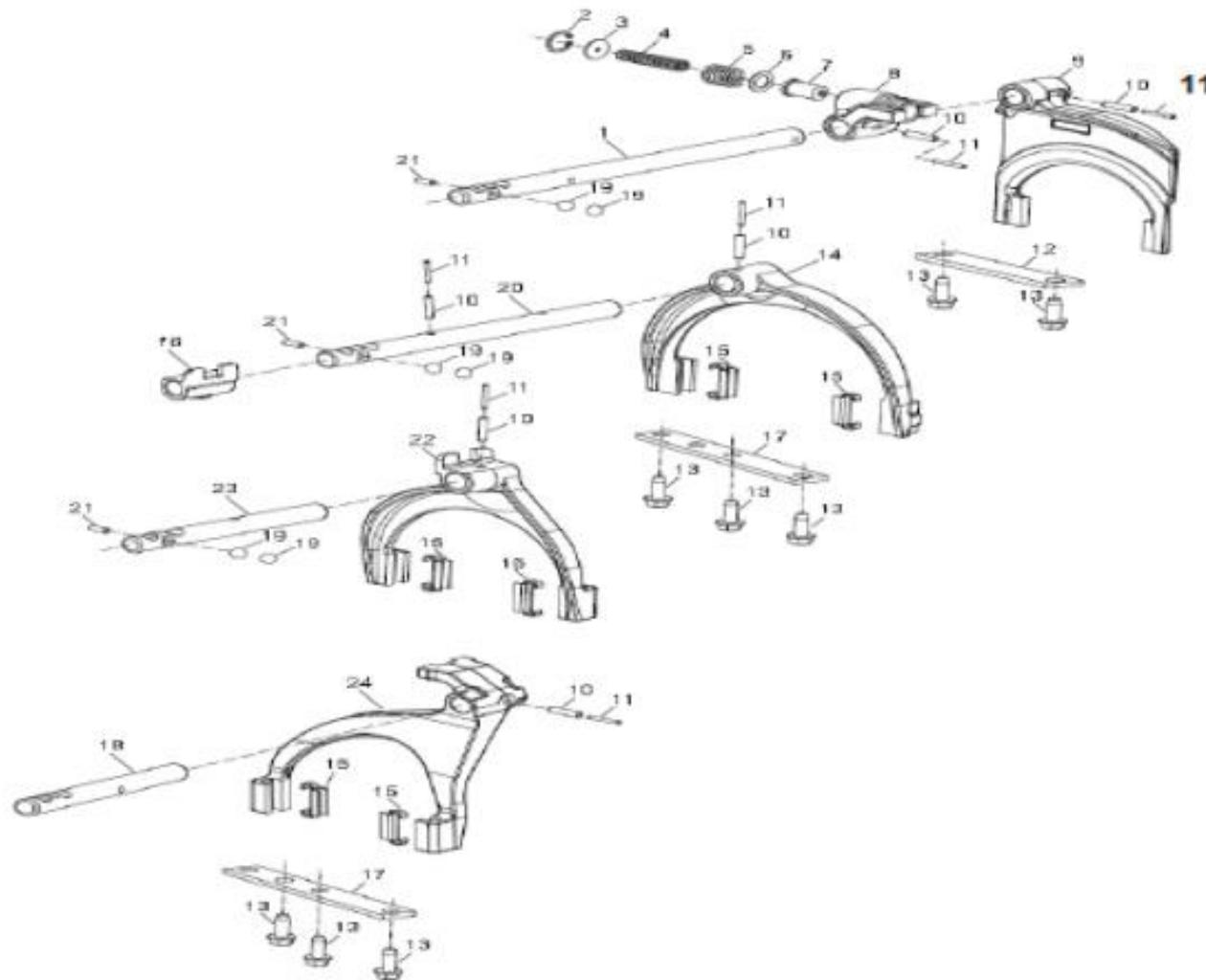


CONTROL HOUSING ASSEMBLY (EATON DD 6S)
Diagram No. 45

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32103-6017	CONTROL HOUSING ASSEMBLY	1		CONSISTS OF 2 TO 12
2	64.96410-0061	EXPANSION PLUG	1		
3	64.93021-0034	BUSHING	3		
4	64.32103-6016	CONTROL HOUSING	1		
5	64.32515-0038	SHAFT GEAR SHIFT	1		
6	64.98181-6024	BREATHER	1		
7	64.32702-0003	INNER SHIFT LEVER	1		
8	64.90490-0109	SCREW	2		
9	64.91029-0016	WIRE	1		
10	64.97601-0508	SPRING	1		
11	64.96501-0156	OIL SEAL CONTROL HOUSING	1		
12	64.96420-0006	BOOT	1		
13	64.90020-0490	BOLT	1		
14	64.90801-0202	SPRING WASHER	1		
15	64.32670-0011	LEVER GEAR SHIFT	1		
16	64.90501-0151	NUT	1		
17	64.96601-0090	GASKET	1		
18	64.90020-0487	SCREW HEX HEAD	4		
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SHIFT BAR ASSEMBLY (EATON DD 6S)

Diagram No. 46



SHIFT BAR ASSEMBLY (EATON DD 6S)**Diagram No. 46**

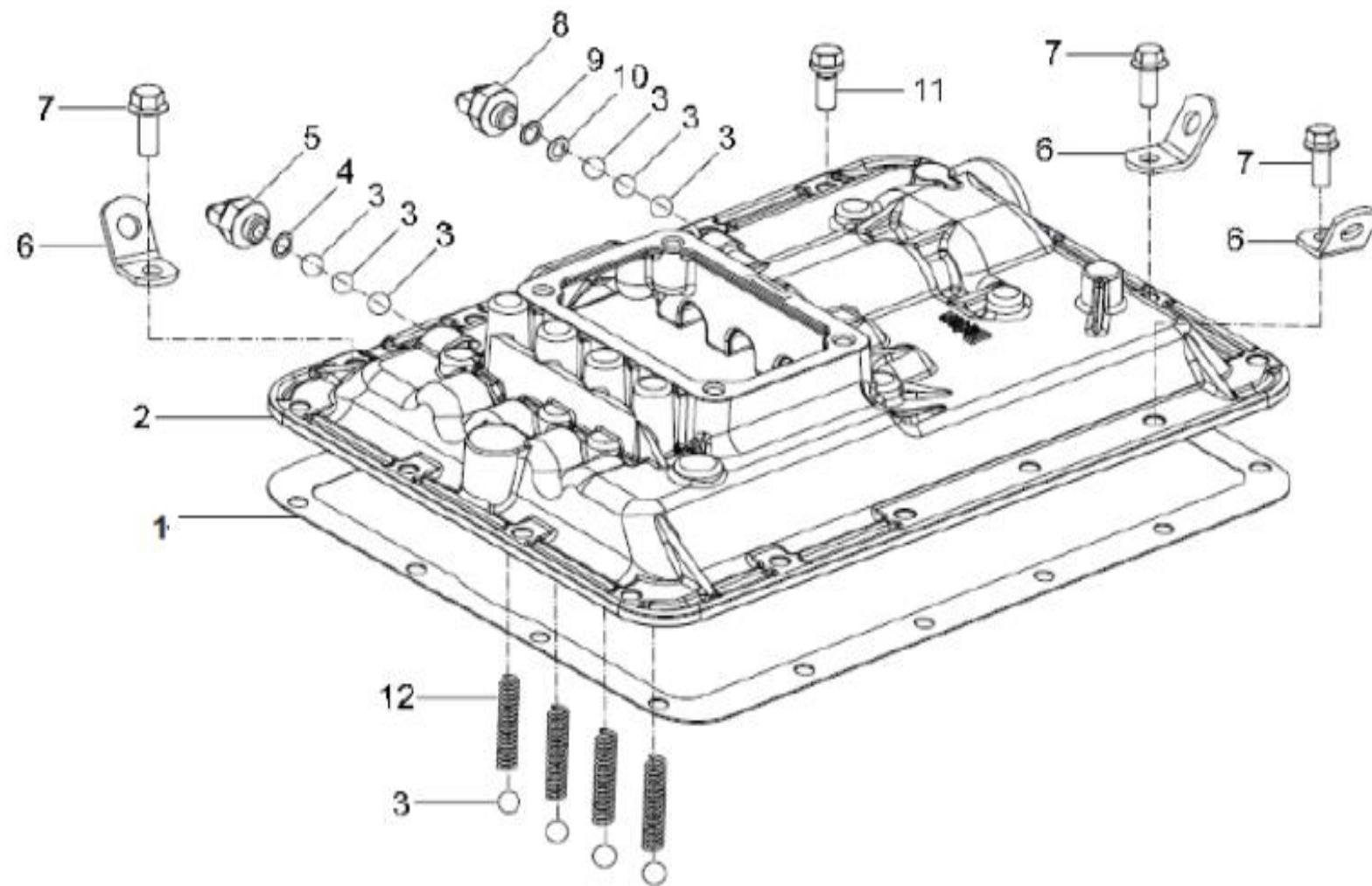
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32515-0029	YOKES BAR REVERSE	1		
2	64.90820-0058	SNAP RING	1		
3	64.90713-0102	WASHER	1		
4	64.97601-0509	SPRING	1		
5	64.97601-0510	SPRING	1		
6	64.90713-0103	WASHER	1		
7	64.32511-0003	PLUNGER	1		
8	64.32522-0010	SHIFT BLOCK REVERSE	1		
9	64.32515-6030	YOKES ASSY. REVERSE	1		
10	64.91020-0121	ROLL PIN	6		
11	64.91020-0122	PIN	6		
12	64.32515-0031	SHIFT BAR RETAINER	1		
13	64.90030-0086	CAP SCREW	8		
14	64.32515-6031	YOKES ASSY. 1ST/2ND	1		
15	64.32515-0030	YOKES PAD	6		
16	64.32522-0011	SHIFT BLOCK 1ST/2ND	1		
17	64.32515-0032	SHIFT BAR RETAINER	2		
18	64.32515-0033	YOKES BAR 5TH/6TH	1		
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SHIFT BAR ASSEMBLY (EATON DD 6S)

Diagram No. 46

SHIFT BAR HOUSING ASSEMBLY (EATON DD 6S)

Diagram No. 47

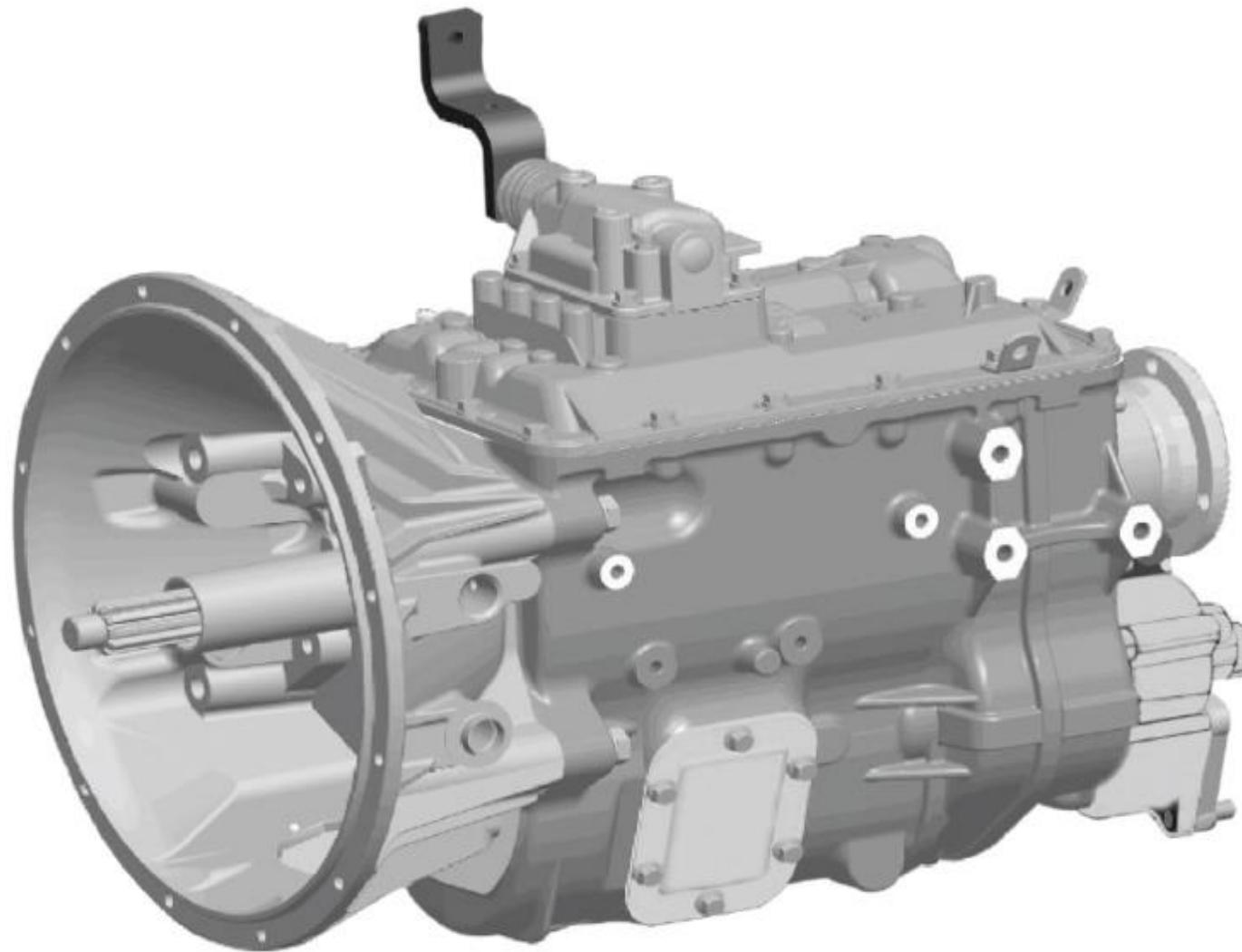


SHIFT BAR ASSEMBLY (EATON DD 6S)**Diagram No. 47**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96601-0091	GASKET	1		
2	64.32103-0017	SHIFT BAR HOUSING	1		
3	64.96481-0012	STEEL BALL	10		
4	64.96481-0013	RETAINER BALL	1		
5	64.25525-0031	NEUTRAL SWITCH	1		
6	64.32532-0038	LIFTING EYE	3		
7	64.90030-0087	CAP SCREW	3		
8	64.25525-0032	REVERSE SWITCH	1		
9	64.96601-0092	GASKET	1		
10	64.96481-0014	RETAINER BALL	1		
11	64.90030-0088	CAP SCREW	14		
12	64.97601-0511	SPRING	4		
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GEAR BOX ASSEMBLY (EATON 6S OD)

Diagram No. 48

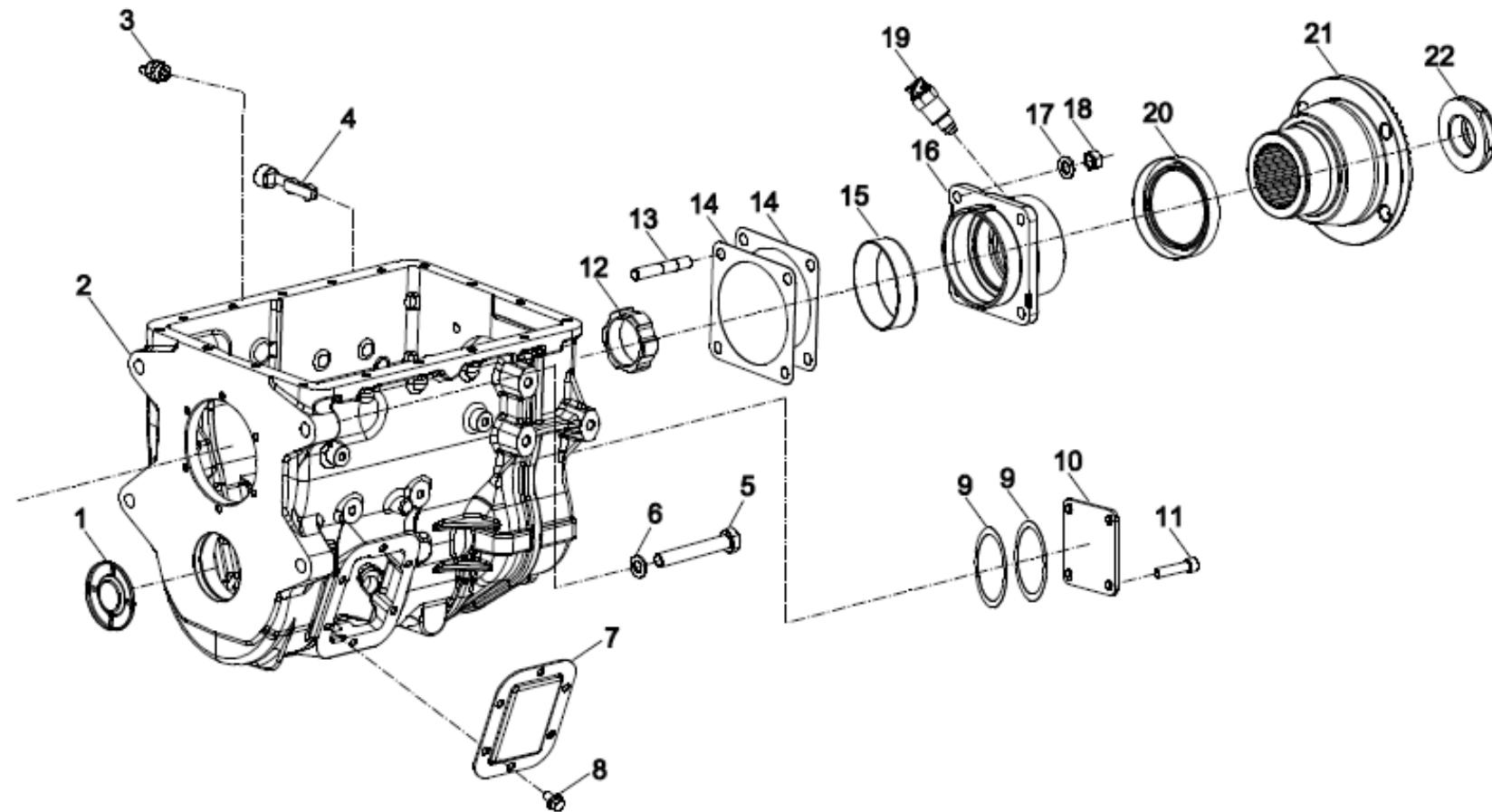


GEAR BOX ASSEMBLY (EATON 6S OD)

Diagram No. 48

GEAR BOX HOUSING (EATON 6S OD)

Diagram No. 49



GEAR BOX HOUSING (EATON 6S OD)

Diagram No. 49

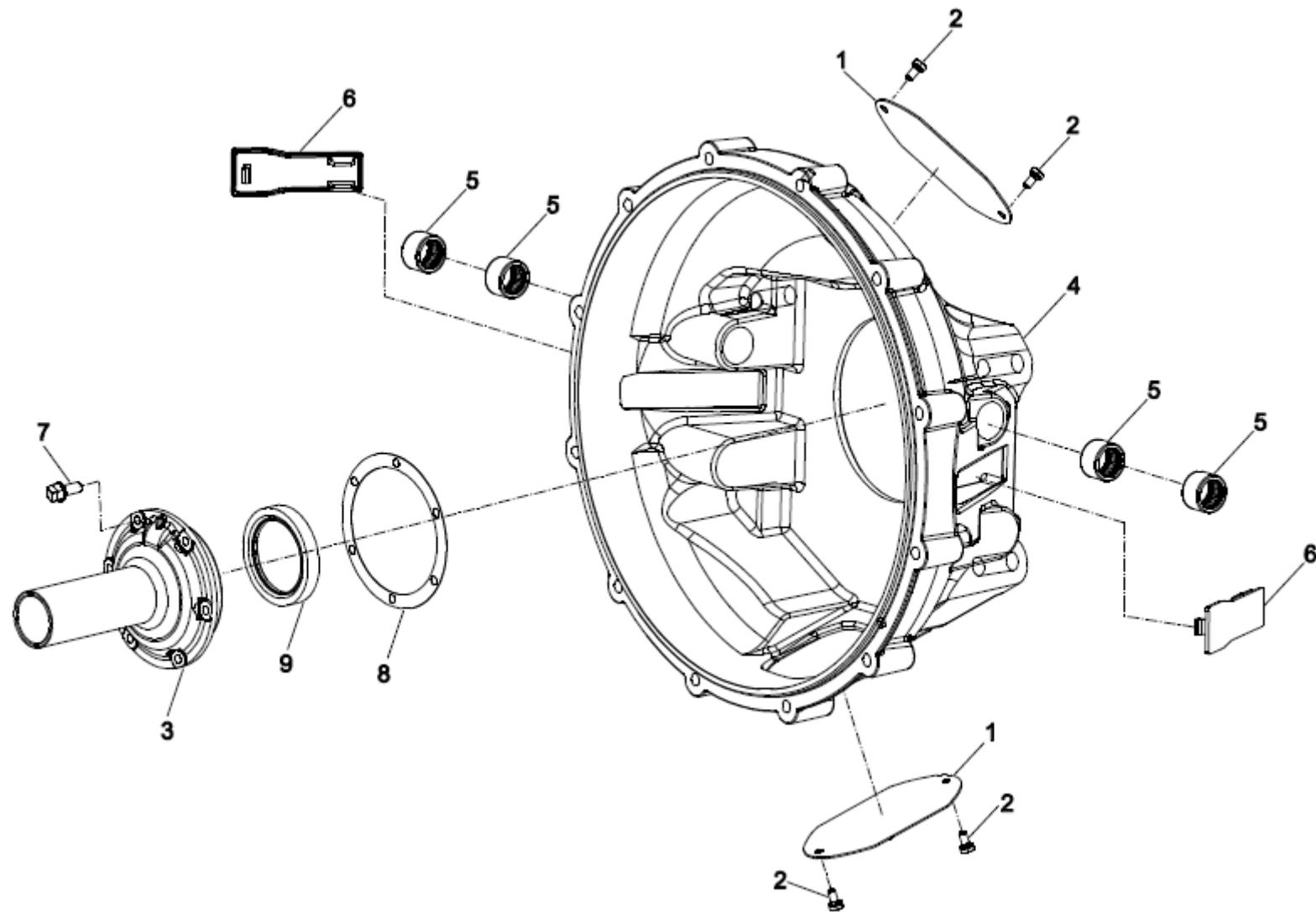
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96002-0127	PLUG	1		
2	64.32101-0016	CASE	1		
3	64.90490-0104	FILLER PLUG	1		
4	64.90490-0105	MAGNETIC PLUG	1		
5	64.90490-0111	SCREW	4		
6	64.90713-0101	LOCKWASHER	4		
7	64.32508-0035	PTO PROVISION COVER	2		
8	64.32312-0052	SHIM 0.102	As Reqd		
9	64.32312-0053	SHIM 0.178	As Reqd		
9	64.32312-0054	SHIM 0.254	As Reqd		
9	64.32312-0055	SHIM 0.508	As Reqd		
9	64.32312-0056	SHIM 1.016	As Reqd		
10	64.32508-0036	C/S BEARING COVER	1		
11	64.90020-0487	SCREW HEX HEAD	4		
12	64.97005-0005	SPEEDO ROTOR	1		
13	64.95160-0110	STUD	4		
14	64.32312-0057	SHIM 0.102	1		
14	64.32312-0058	SHIM 0.178	1		
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GEAR BOX HOUSING (EATON 6S OD)**Diagram No. 49**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
14	64.32312-0059	SHIM 0.254	1		
14	64.32312-0060	SHIM 0.508	1		
14	64.32312-0061	SHIM 1.016	1		
15	64.93420-6017	BEARING	1		
16	64.32101-0017	COVER, BEARING, REAR	1		
17	64.90710-0121	WASHER	4		
18	64.90501-0141	NUT	4		
19	64.27421-0026	SENSOR SPEEDO	1		
20	64.96501-0154	OIL SEAL - REAR BEARING COVER	1		
21	64.39115-0025	COUPLING FLANGE	1		
22	64.90620-0051	NUT	1		
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CLUTCH HOUSING (EATON 6S OD)

Diagram No. 50

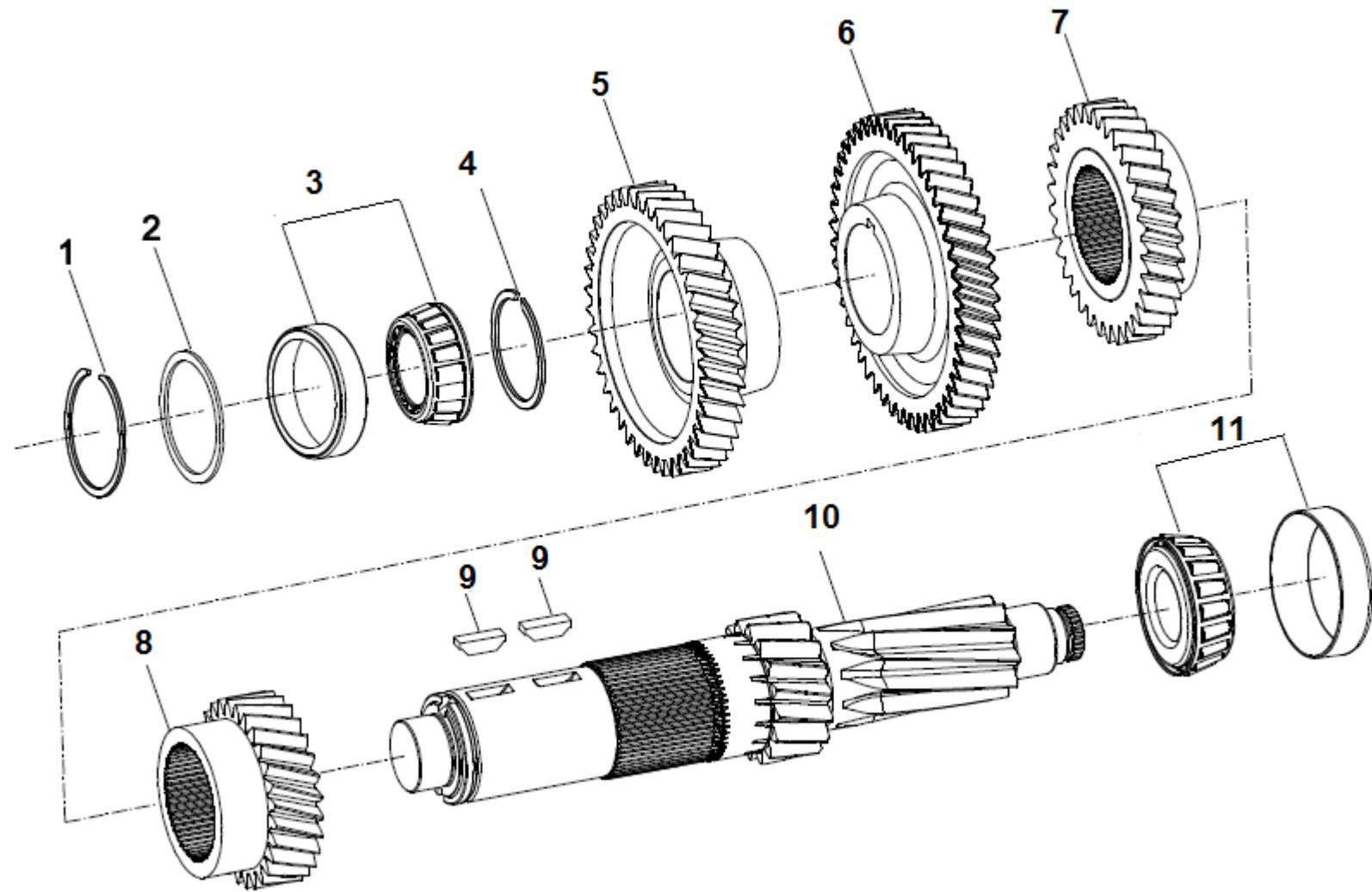


CLUTCH HOUSING (EATON 6S OD)

Diagram No. 50

COUNTER SHAFT (EATON 6S OD)

Diagram No. 51

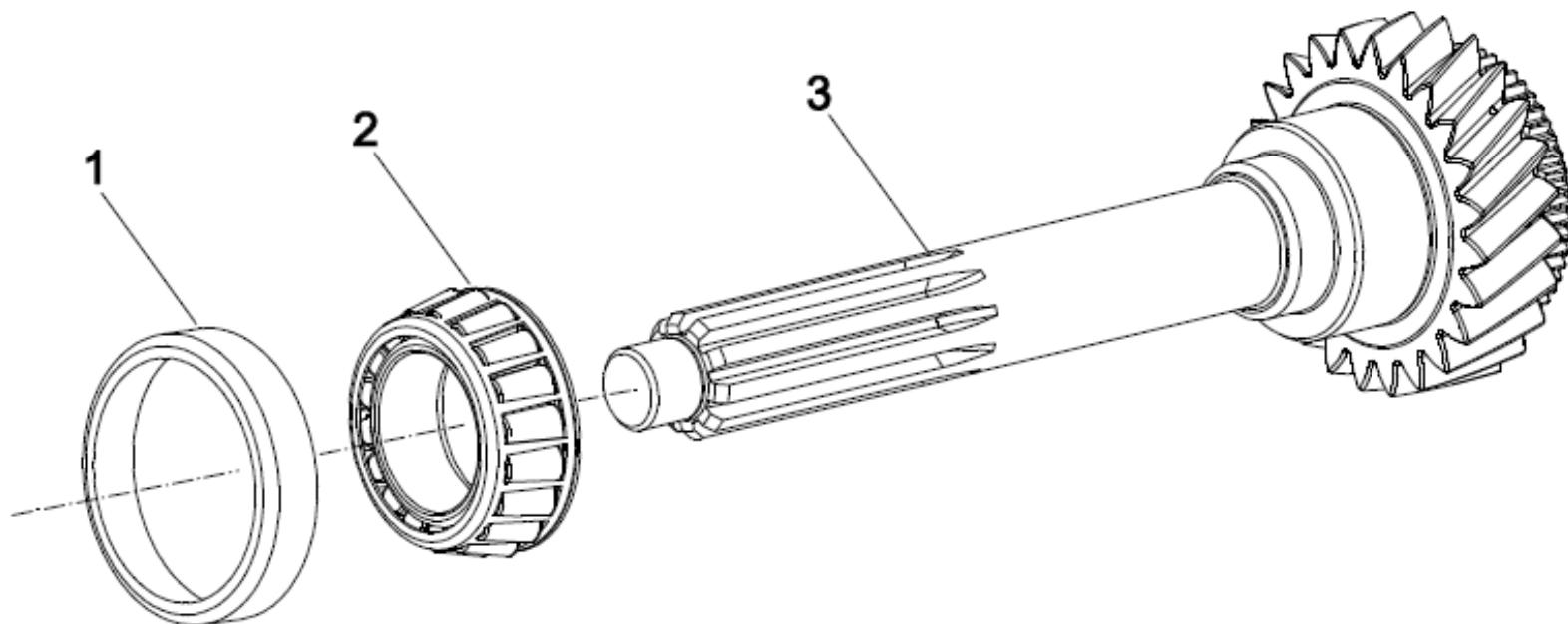


COUNTER SHAFT (EATON 6S OD)**Diagram No. 51**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90820-0053	SNAP RING	1		
2	64.91701-0040	WASHER	1		
3	64.93420-6015	BEARING CUP & CONE	1		
4	64.90820-0054	SNAP RING	1		
5	64.32301-0071	DRIVE GEAR COUNTERSHAFT	1		
6	64.32301-0072	5TH GEAR COUNTERSHAFT (OVERDRIVE)	1		
7	64.32301-0064	4TH GEAR COUNTERSHAFT	1		
8	64.32301-0063	3RD GEAR COUNTERSHAFT	1		
9	64.94091-0002	KEY	2		
10	64.32205-0005	COUNTERSHAFT	1		
10	64.93420-6016	CUP & CONE	1		
Page No. 68	REVISION NO. 01/11/16			VERSION: 01	

INPUT SHAFT (EATON 6S OD)

Diagram No. 52

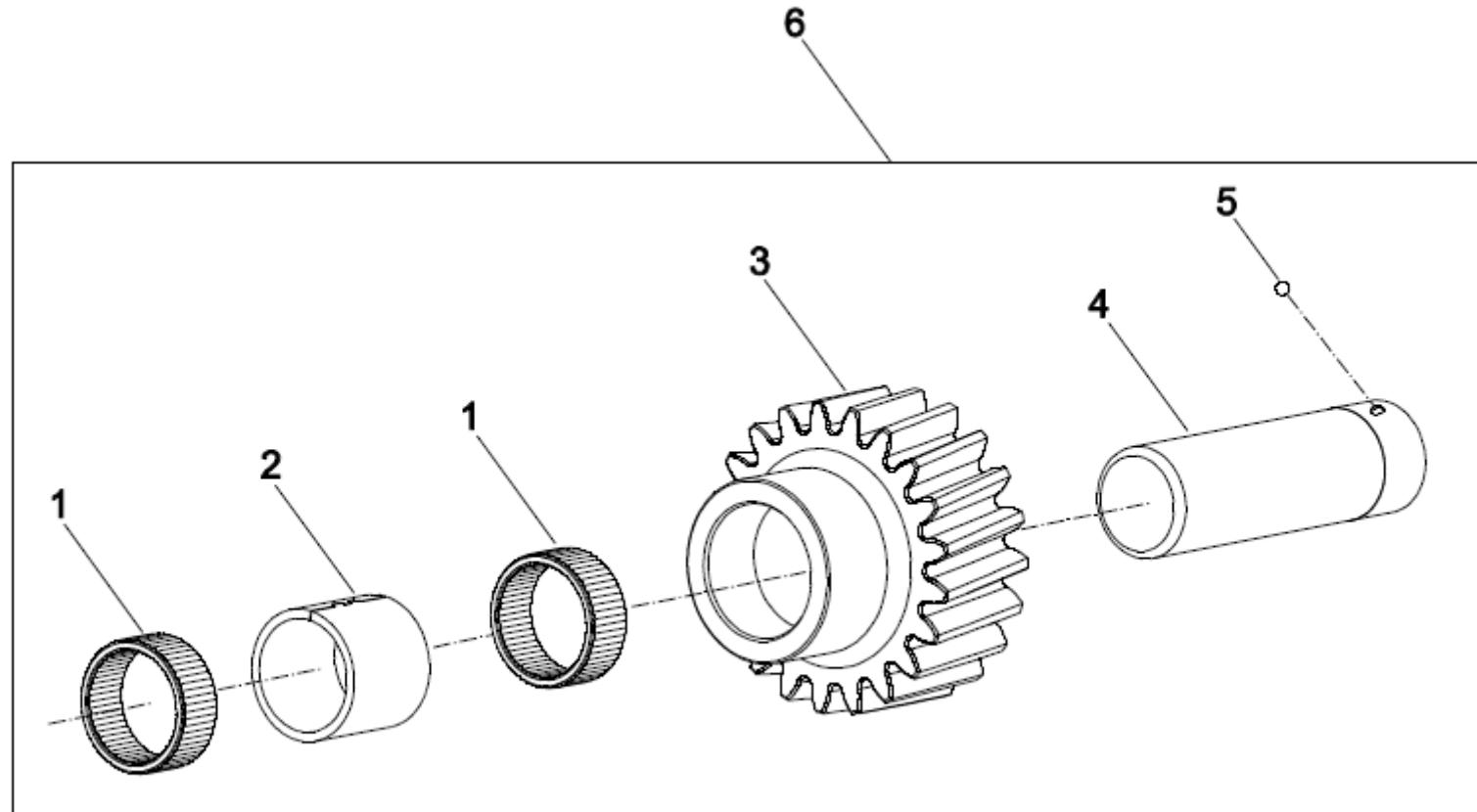


INPUT SHAFT (EATON 6S OD)

Diagram No. 52

REVERSE IDLER GEAR (EATON 6S OD)

Diagram No. 53

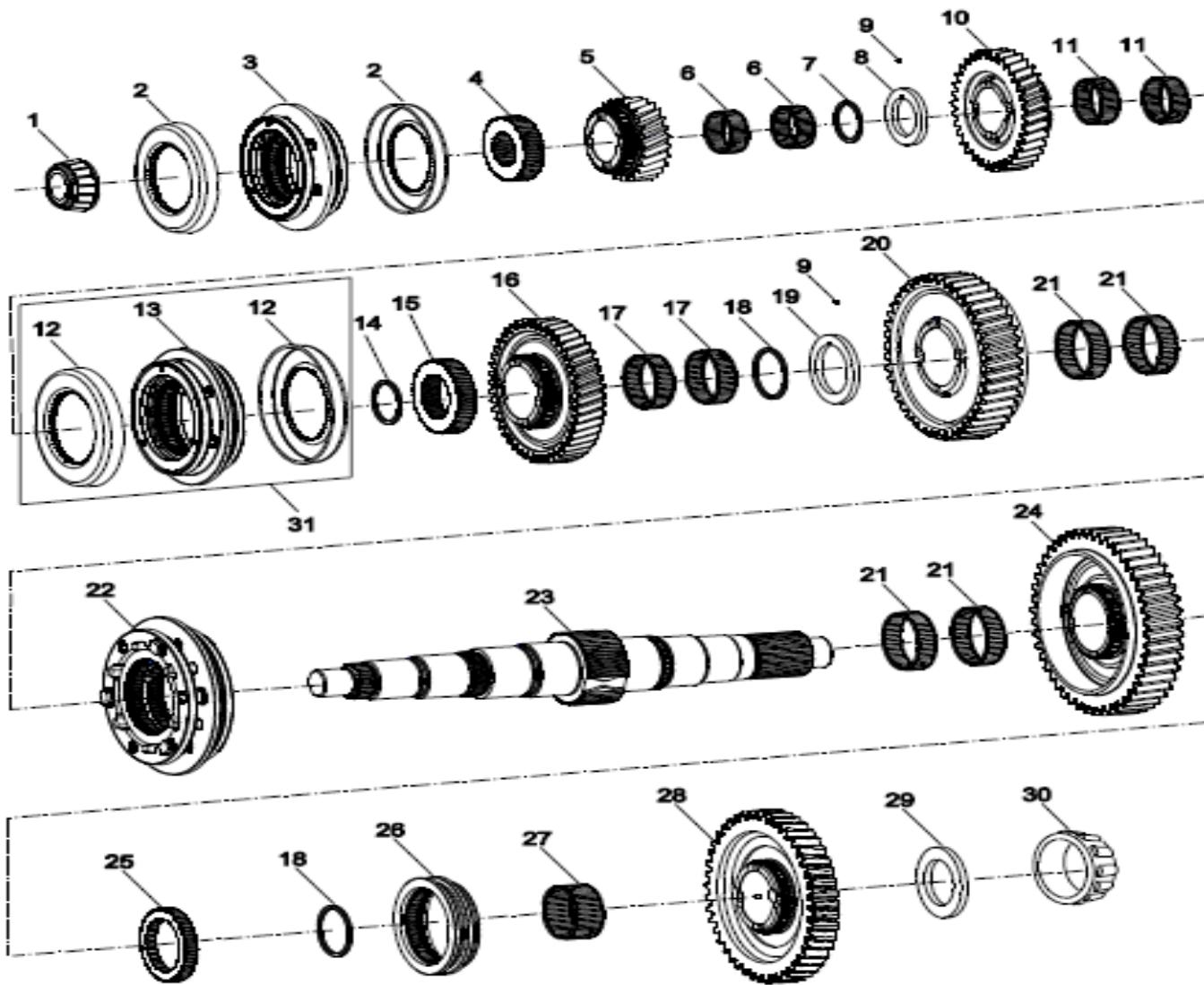


REVERSE IDLER GEAR (EATON 6S OD)

Diagram No. 53

MAINSHAFT (EATON 6S OD)

Diagram No. 54



MAINSHAFT (EATON 6S OD)**Diagram No. 54**

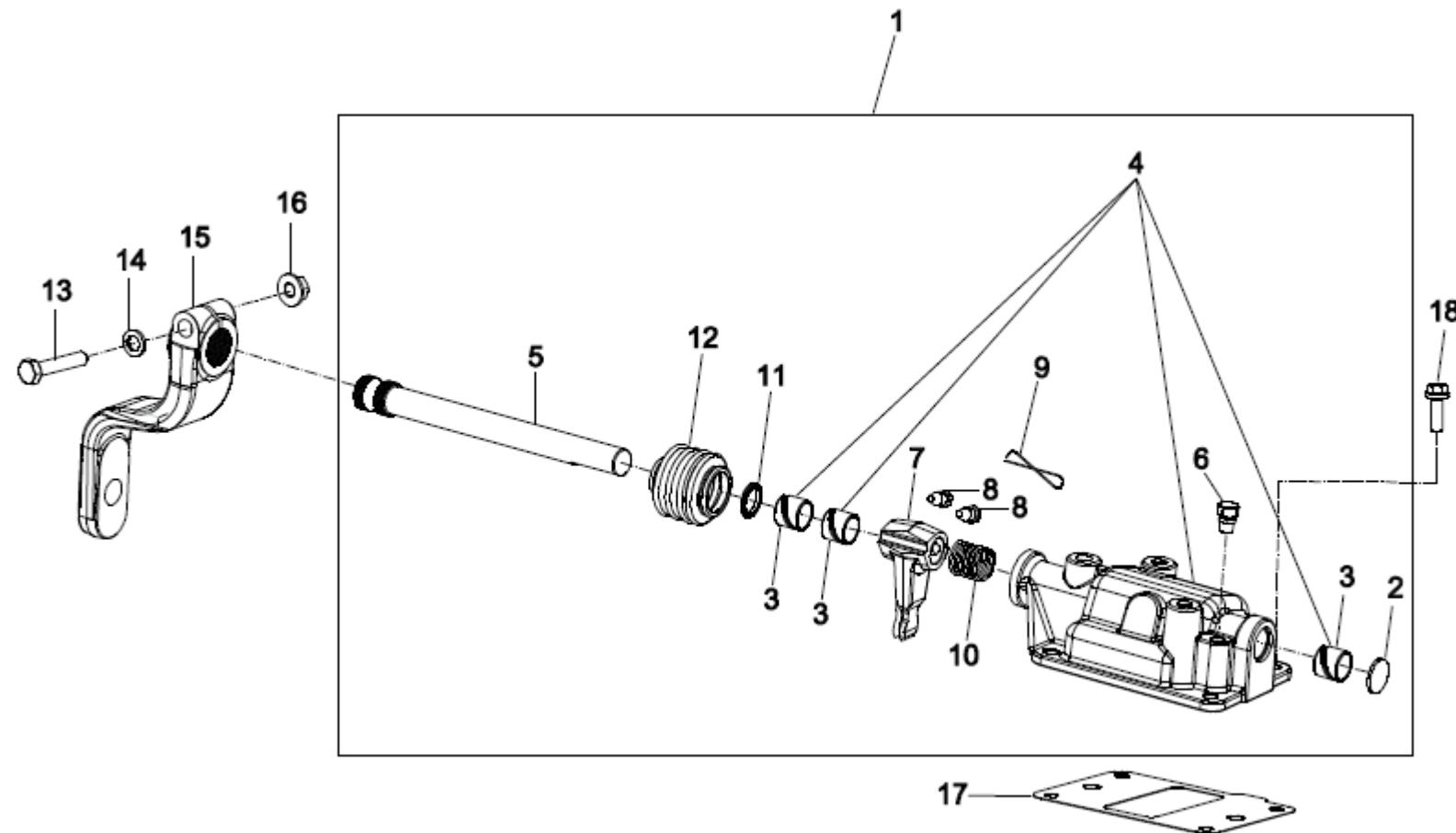
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.93420-0241	BEARING CONE	1		
2	64.32420-0031	SYNCHRO CUP 5/6	2		
3	64.32420-6031	SYNCHRO ASSY. 5/6	1		
4	64.32420-0032	CLUTCH HUB 5/6	1		
5	64.32301-0073	5TH GEAR MAINSHAFT (OVERDRIVE)	1		
6	64.93401-0061	BEARING	2		
7	64.90820-0055	SNAP RING	1		
8	64.32204-0002	WASHER	1		
9	64.96481-0011	STEEL BALL	2		
10	64.32301-0054	4TH GEAR MAINSHAFT	1		
11	64.93401-0062	BEARING	2		
12	64.32420-0033	CUP SYNCHRONIZER 3/4	2		
13	64.32420-6032	SYNCHRONIZER ASSEMBLY 3/4	1		
14	64.90820-0056	SNAP RING	1		
15	64.32420-0034	CLUTCH HUB 3/4	1		
16	64.32301-0053	3RD GEAR MAINSHAFT	1		
17	64.93401-0063	BEARING	2		
18	64.90820-0057	SNAP RING	2		
Page No. 71		REVISION NO. 00			

MAINSHAFT (EATON 6S OD)**Diagram No. 54**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
19	64.32204-0003	WASHER	1		
20	64.32301-0052	2ND GEAR MAINSHAFT	1		
21	64.93401-0064	BEARING	4		
22	64.32420-6033	SYNCHRONIZER ASSY. 1/2	1		
23	64.32202-0007	MAINSHAFT	1		
24	64.32301-0051	1ST GEAR MAINSHAFT	1		
25	64.32420-0035	CLUTCH HUB REVERSE	1		
26	64.32420-0036	SLIDING CLUTCH REVERSE	1		
27	64.93401-0073	BEARING NEEDLE	1		
28	64.32301-0050	REVERSE GEAR MAINSHAFT	1		
29	64.32202-0004	THRUST WASHER	1		
30	64.93420-0242	BEARING CONE	1		
31	64.32420-6035	SYNCHRO ASSEBLY SOLID PIN AND CUPS 3/4	1		CONSISTS OF SR NO 12 & 13
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CONTROL HOUSING ASSEMBLY (EATON 6S OD)

Diagram No. 55



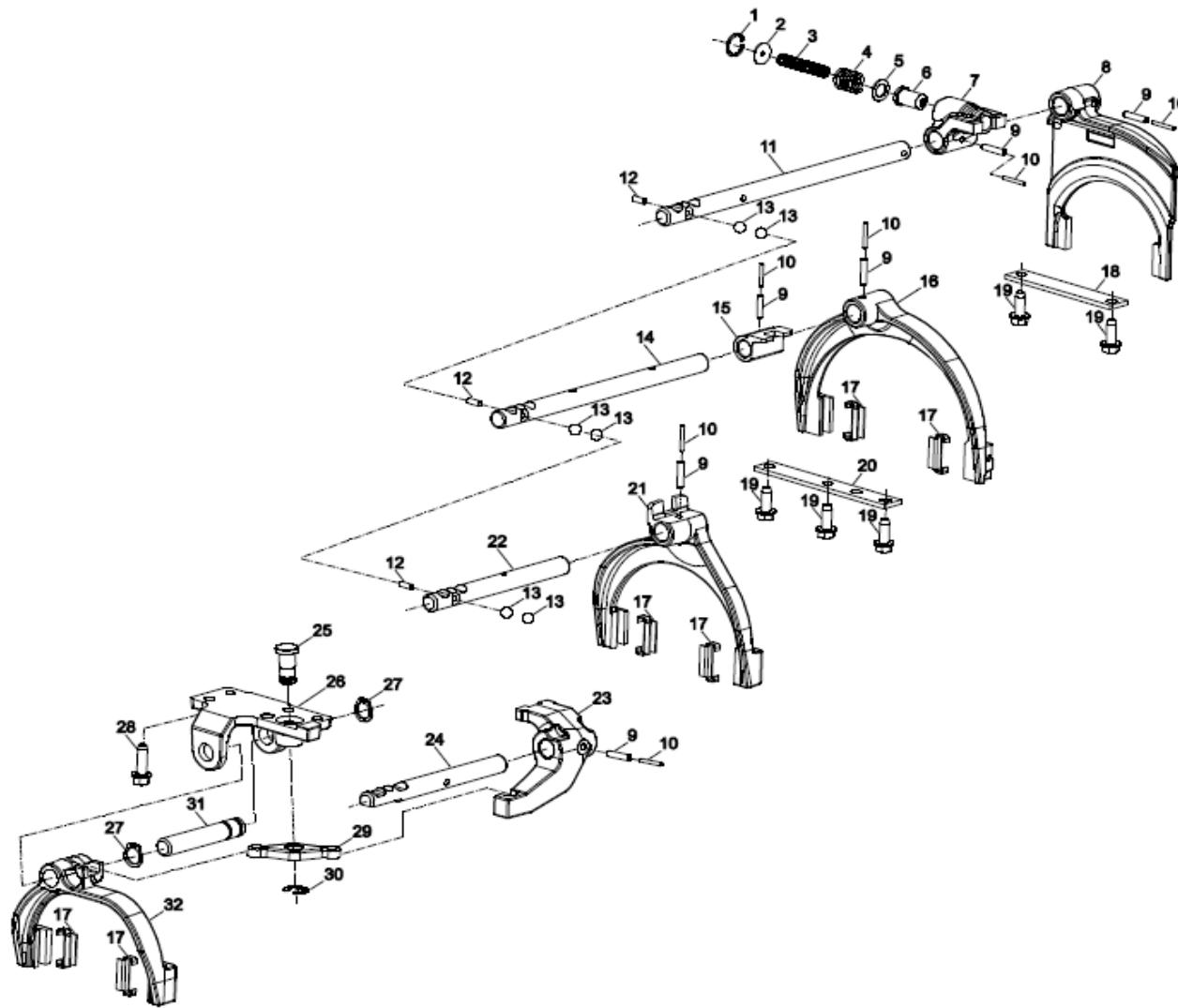
CONTROL HOUSING ASSEMBLY (EATON 6S OD)

Diagram No. 55

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32103-6017	CONTROL HOUSING ASSEMBLY	1		CONSISTS OF SR NO 2,3,4,5,6,7,8,9,10,11,12
2	64.96410-0061	EXPANSION PLUG	1		
3	64.93021-0034	BUSHING	1		
4	64.32103-6016	CONTROL HOUSING	3		CONSISTS OF SR NO 3
5	64.32515-0038	SHAFT GEAR SHIFT	1		
6	64.98181-6024	BREATHER	1		
7	64.32702-0003	INNER SHIFT LEVER	1		
8	64.90490-0109	SCREW	1		
9	64.91029-0016	WIRE	2		
10	64.97601-0508	SPRING	1		
11	64.96501-0156	OIL SEAL CONTROL HOUSING	1		
12	64.96420-0006	BOOT	1		
13	64.90020-0490	BOLT	1		
14	64.90801-0202	SPRING WASHER	1		
15	64.32670-0011	LEVER GEAR SHIFT	1		
16	64.90501-0151	NUT	1		
17	64.96601-0090	GASKET CONTROL HOUSING	1		
18	64.90020-0487	SCREW HEX HEAD	1		
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SHIFT BAR ASSEMBLY (EATON 6S OD)

Diagram No. 56



SHIFT BAR ASSEMBLY (EATON 6S OD)**Diagram No. 56**

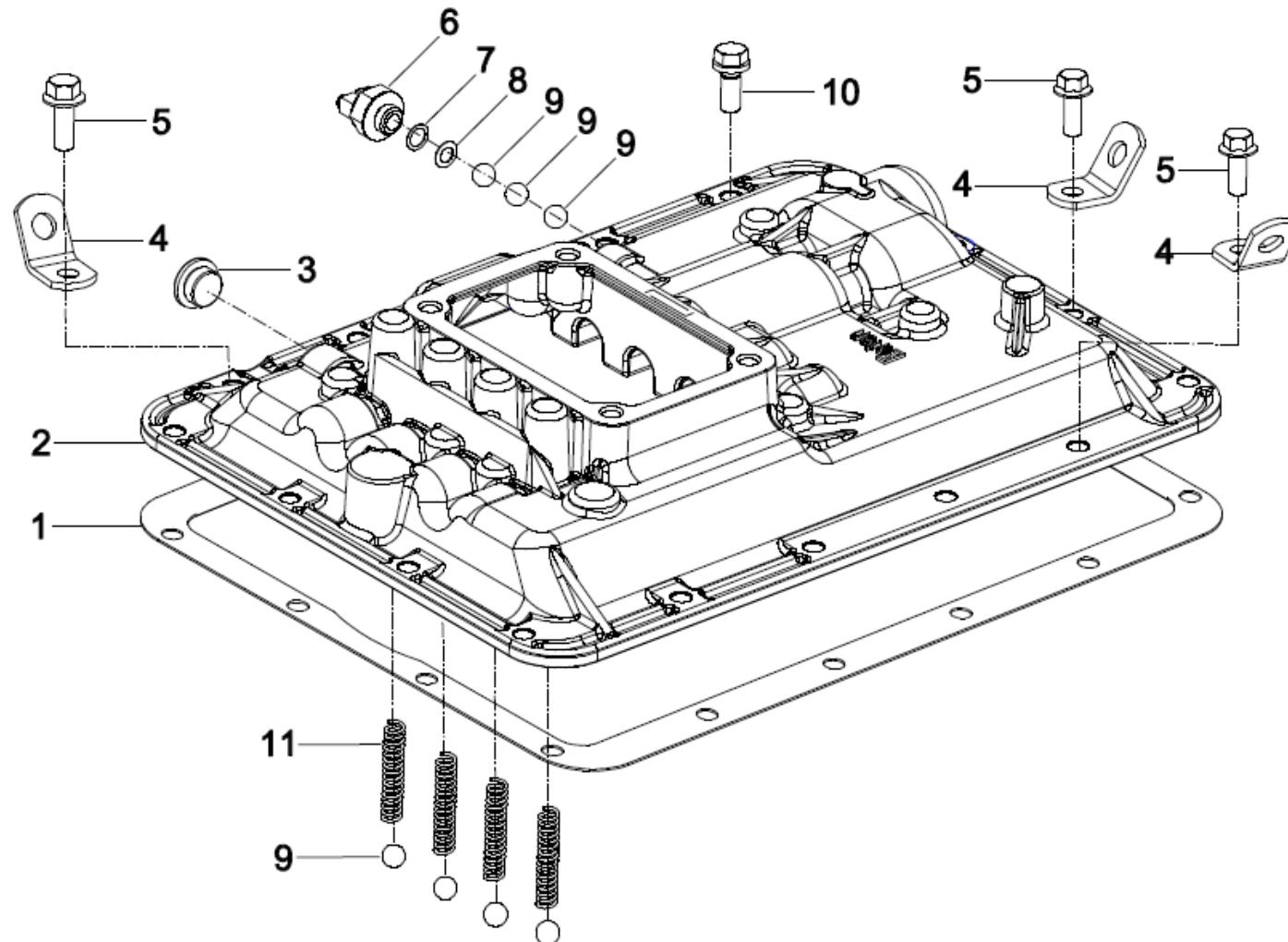
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90820-0058	SNAP RING	1		
2	64.90713-0102	WASHER	1		
3	64.97601-0509	SPRING	1		
4	64.97601-0333	SPRING	1		
5	64.90713-0103	WASHER	1		
6	64.32511-0003	PLUNGER	1		
7	64.32522-0010	SHIFT BLOCK REVERSE	1		
8	64.32515-6030	YOKES ASSY. REVERSE	1		
9	64.91020-0121	ROLL PIN	6		
10	64.91020-0122	PIN	6		
11	64.32515-0029	YOKES BAR REVERSE	1		
12	64.32523-0104	PIN	3		
13	64.96481-0012	STEEL BALL	6		
14	64.32515-0034	YOKES BAR 1ST/2ND	1		
15	64.32522-0012	SHIFT BLOCK 1ST/2ND	1		
16	64.32515-6031	YOKES ASSY. 1ST/2ND	1		CONSISTS OF SR NO 17
17	64.32515-0030	YOKES PAD	6		
18	64.32515-0031	SHIFT BAR RETAINER	1		
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SHIFT BAR ASSEMBLY (EATON 6S OD)**Diagram No. 56**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
19	64.90030-0086	CAPSCREW	5		
20	64.32515-0032	SHIFT BAR RETAINER	1		
21	64.32515-6033	YOKES ASSY. 3RD/4TH	1		CONSISTS OF SR NO 17
22	64.32515-0035	YOKES BAR 3RD/4TH	1		
23	64.32522-0013	SHIFT BLOCK 5TH/6TH	1		
24	64.32515-0039	YOKES BAR 5TH/6TH	1		
25	64.91020-0124	ACTUATOR PIN	1		
26	64.32532-0014	MOUNTING BRACKET	1		
27	64.90820-0062	SNAP RING	2		
28	64.90020-0491	SCREW	4		
29	64.32522-0014	ACTUATOR	1		
30	64.90820-0063	SNAP RING	1		
31	64.32515-0040	YOKES BAR	1		
32	64.32515-6036	YOKES ASSY. 5TH/6TH	1		CONSISTS OF SR NO 17
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SHIFT BAR HOUSING ASSEMBLY (EATON 6S OD)

Diagram No. 57

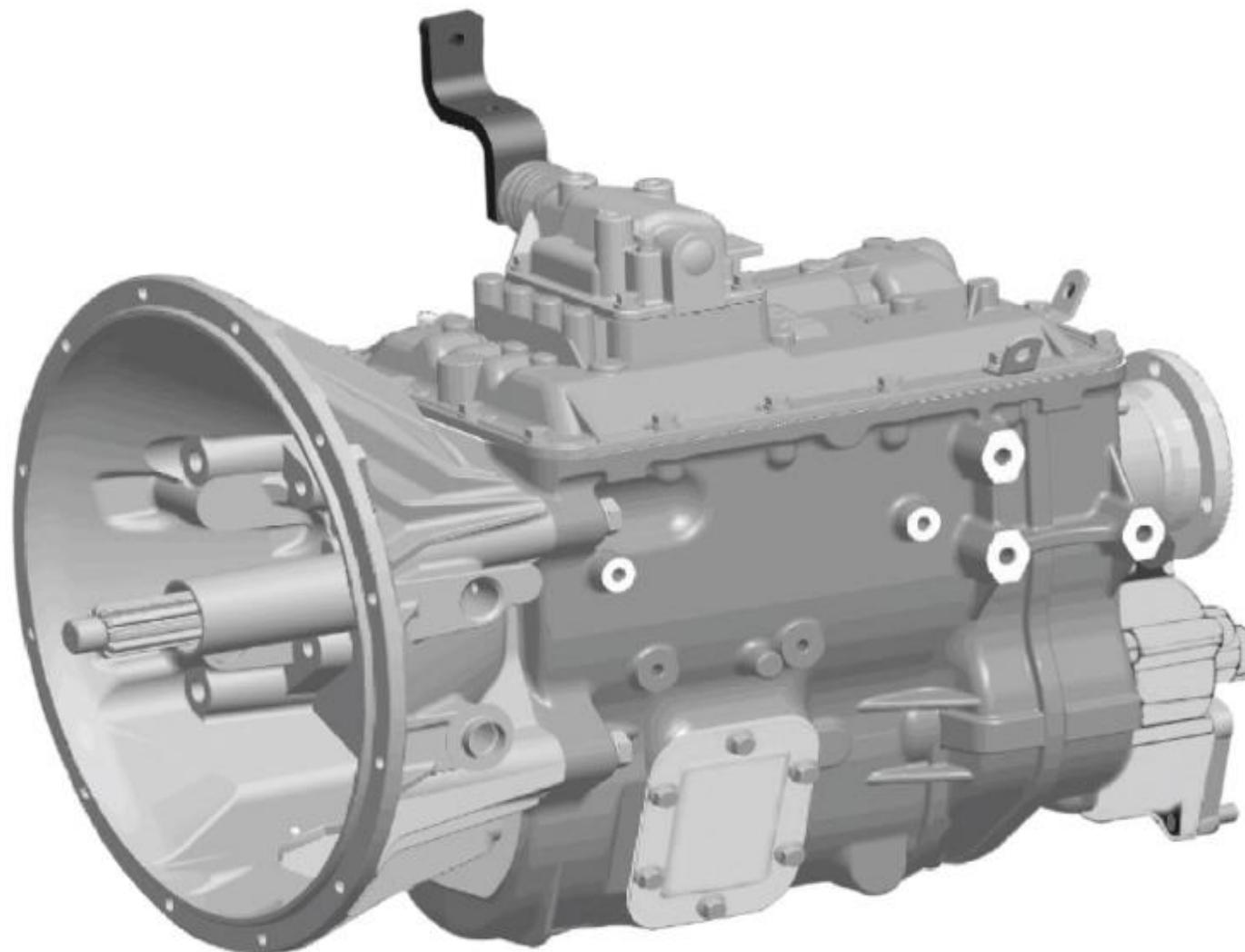


SHIFT BAR HOUSING ASSEMBLY (EATON 6S OD)**Diagram No. 57**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96601-0091	GASKET SHIFT BAR HOUSING	1		
2	64.32103-0019	SHIFT BAR HOUSING	1		
3	64.90490-0451	PLUG	1		
4	64.32532-0038	LIFTING EYE	3		
5	64.90030-0087	CAPSCREW	3		
6	64.25525-0032	REVERSE SWITCH	1		
7	64.96601-0092	GASKET	1		
8	64.96481-0014	RETAINER BALL	1		
9	64.96481-0012	STEEL BALL	7		
10	64.90030-0088	CAPSCREW	14		
11	64.97601-0511	SPRING	4		
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GEAR BOX ASSEMBLY (EATON 6S OD) BUS

Diagram No. 58

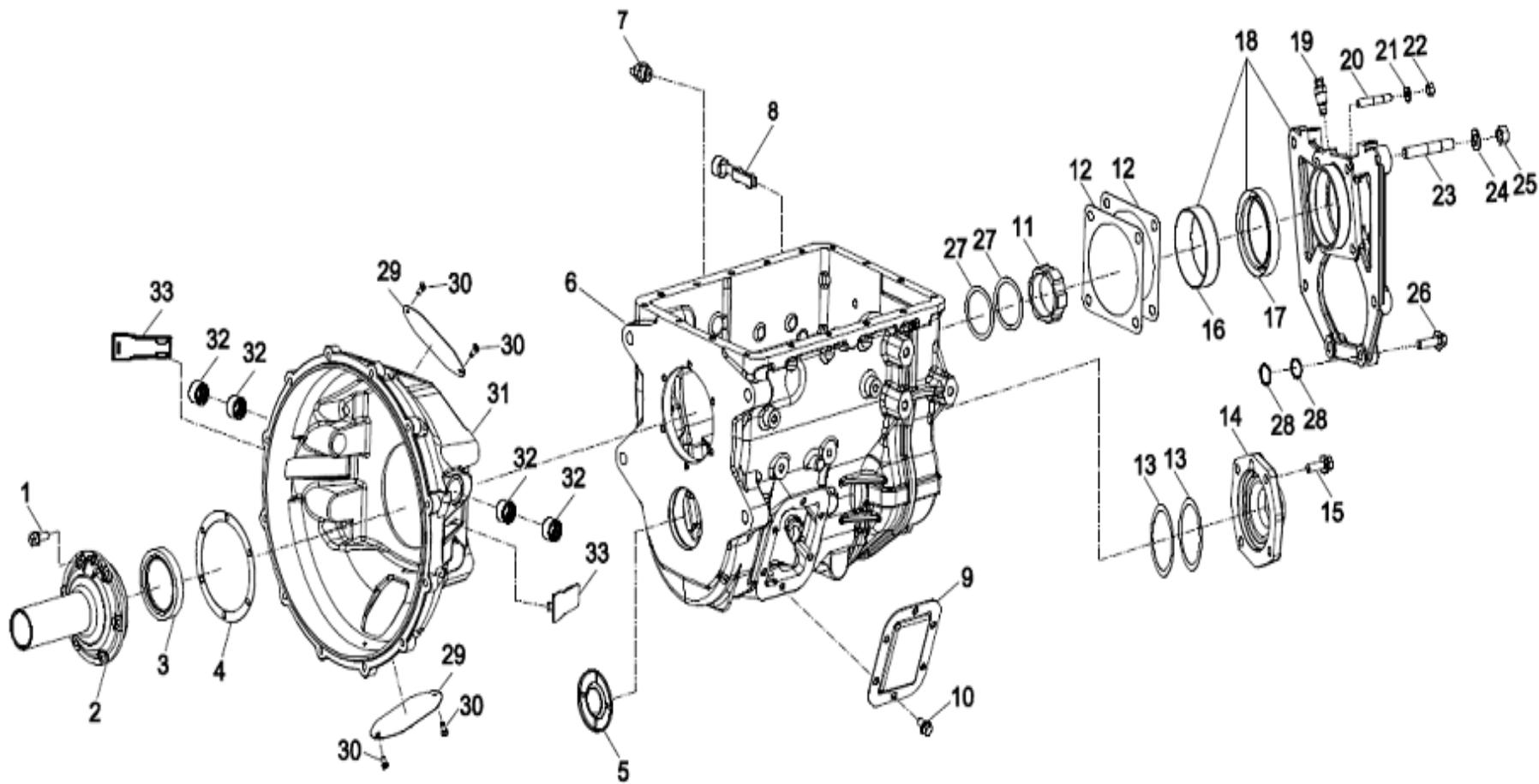


GEAR BOX ASSEMBLY (EATON 6S OD) BUS

Diagram No. 58

GEAR BOX & CLUTCH HOUSING (EATON 6S OD) BUS

Diagram No. 59



GEAR BOX & CLUTCH HOUSING (EATON 6S OD) BUS

Diagram No. 59

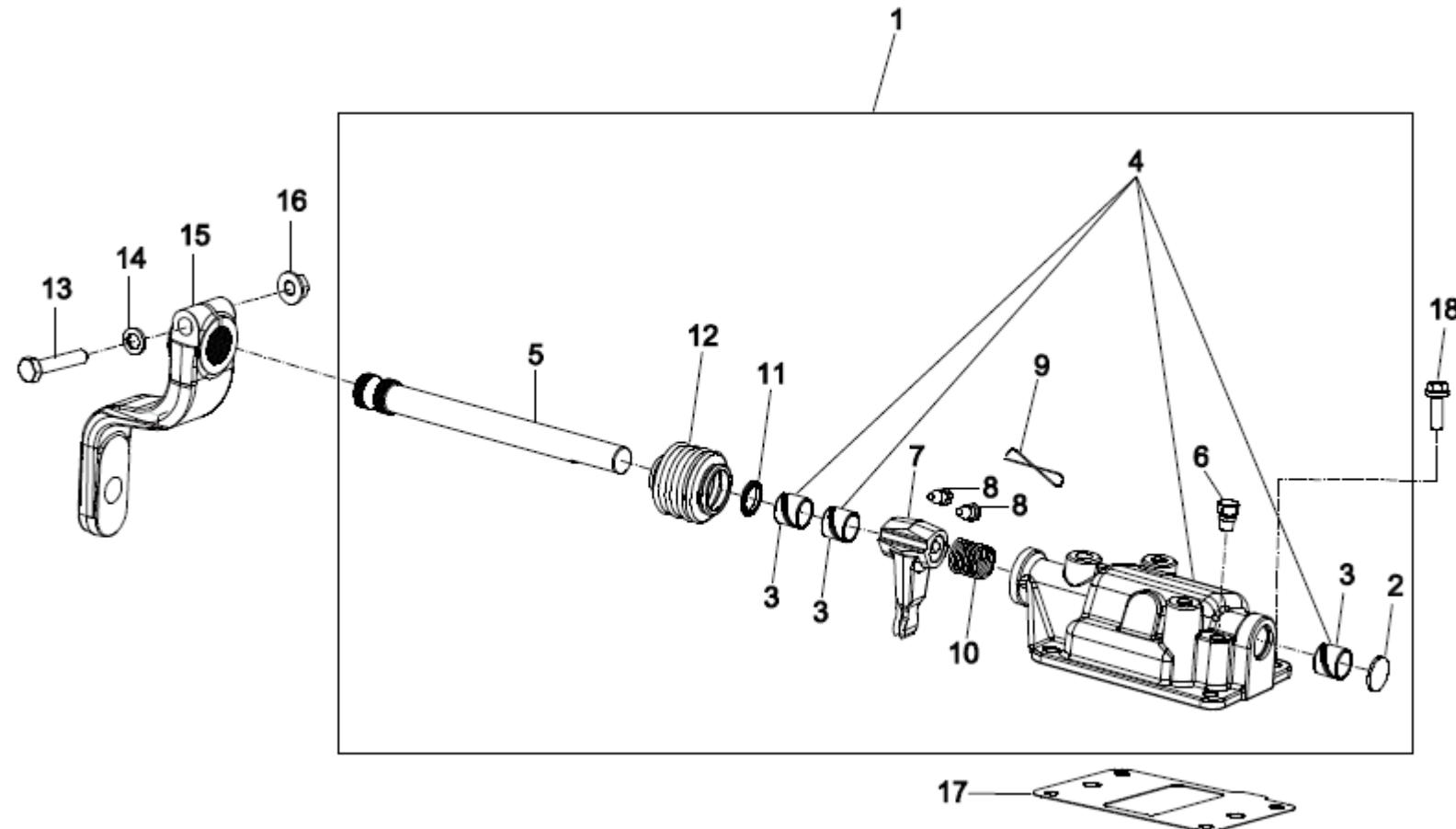
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90490-0108	SCREW	6	FOR BUS WITH EATON 6S GB	
2	64.32508-0040	FRONT BEARING COVER	1	FOR BUS WITH EATON 6S GB	
3	64.96501-0555	OIL SEAL	1	FOR BUS WITH EATON 6S GB	
4	64.96601-0089	GASKET FRONT BEARING COVER	1	FOR BUS WITH EATON 6S GB	
5	64.96002-0127	PLUG	1	FOR BUS WITH EATON 6S GB	
6	64.32101-0020	CASE	1	FOR BUS WITH EATON 6S GB	
7	64.90490-0104	FILLER PLUG	1	FOR BUS WITH EATON 6S GB	
8	64.90490-0105	MAGNETIC PLUG	1	FOR BUS WITH EATON 6S GB	
9	64.32508-0035	PTO PROVISION COVER	2	FOR BUS WITH EATON 6S GB	
10	64.32312-0052	CAP SCREW	12	FOR BUS WITH EATON 6S GB	
11	64.95160-0110	SPEEDO ROTOR	1	FOR BUS WITH EATON 6S GB	
12	64.32312-0053	SHIM 0.102	As Reqd	FOR BUS WITH EATON 6S GB	
12	64.32312-0054	SHIM 0.178	As Reqd	FOR BUS WITH EATON 6S GB	
12	64.32312-0055	SHIM 0.254	As Reqd	FOR BUS WITH EATON 6S GB	
12	64.32312-0056	SHIM 0.508	As Reqd	FOR BUS WITH EATON 6S GB	
12	64.32508-0036	SHIM 1.016	As Reqd	FOR BUS WITH EATON 6S GB	
13	64.90490-0107	SHIM 0.102	As Reqd	FOR BUS WITH EATON 6S GB	
13	64.32312-0058	SHIM 0.178	As Reqd	FOR BUS WITH EATON 6S GB	

13	64.32312-0059	SHIM 0.254	As Reqd	FOR BUS WITH EATON 6S GB	
13	64.32312-0060	SHIM 0.508	As Reqd	FOR BUS WITH EATON 6S GB	
13	64.32312-0061	SHIM 1.016	As Reqd	FOR BUS WITH EATON 6S GB	
14	64.32508-0111	REAR COVER COUNTERSHAFT	1	FOR BUS WITH EATON 6S GB	
15	64.97005-0005	SCREW HEX HEAD	4	FOR BUS WITH EATON 6S GB	
16	64.93420-6017	BEARING	1	FOR BUS WITH EATON 6S GB	
17	64.96501-0158	OIL SEAL - REAR BEARING COVER	1	FOR BUS WITH EATON 6S GB	
18	64.32508-7036	REAR BEARING COVER ASSEMBLY	1	FOR BUS WITH EATON 6S GB	
19	64.27421-0026	SENSOR SPEEDO	1	FOR BUS WITH EATON 6S GB	
20	64.90210-0096	STUD	4	FOR BUS WITH EATON 6S GB	
21	64.90710-0121	WASHER	4	FOR BUS WITH EATON 6S GB	
22	64.90501-0141	NUT	4	FOR BUS WITH EATON 6S GB	
23	64.90210-0097	STUD	4	FOR BUS WITH EATON 6S GB	
24	64.90710-0130	WASHER	4	FOR BUS WITH EATON 6S GB	
25	64.90501-0152	NUT	4	FOR BUS WITH EATON 6S GB	
26	64.90020-0493	SCREW	2	FOR BUS WITH EATON 6S GB	
27	64.32312-0080	SHIM 0.102	As Reqd	FOR BUS WITH EATON 6S GB	
27	64.32312-0081	SHIM 0.178	As Reqd	FOR BUS WITH EATON 6S GB	
27	64.32312-0082	SHIM 0.254	As Reqd	FOR BUS WITH EATON 6S GB	
27	64.32312-0083	SHIM 0.508	As Reqd	FOR BUS WITH EATON 6S GB	

27	64.32312-0084	SHIM 0.762	As Reqd	FOR BUS WITH EATON 6S GB	
27	64.32312-0085	SHIM 1.016	As Reqd	FOR BUS WITH EATON 6S GB	
27	64.32312-0086	SHIM 0.050	As Reqd	FOR BUS WITH EATON 6S GB	
28	64.32312-0087	SHIM 0.102	As Reqd	FOR BUS WITH EATON 6S GB	
28	64.32312-0088	SHIM 0.178	As Reqd	FOR BUS WITH EATON 6S GB	
28	64.32312-0089	SHIM 0.254	As Reqd	FOR BUS WITH EATON 6S GB	
28	64.32312-0090	SHIM 0.508	As Reqd	FOR BUS WITH EATON 6S GB	
28	64.32312-0091	SHIM 1.016	As Reqd	FOR BUS WITH EATON 6S GB	
29	64.32508-0039	COVER HAND HOLE	2	FOR BUS WITH EATON 6S GB	
30	64.90490-4059	SCREW & WASHER ASSEMBLY	4	FOR BUS WITH EATON 6S GB	
31	64.30101-0017	CLUTCH HOUSING	1	FOR BUS WITH EATON 6S GB	
32	64.93420-0088	NEEDLE ROLLER BEARING	4	FOR BUS WITH EATON 6S GB	
33	64.32508-0038	COVER PLATE SIDE WINDOW	2	FOR BUS WITH EATON 6S GB	
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CONTROL HOUSING ASSEMBLY (EATON 6S OD) BUS

Diagram No. 60



CONTROL HOUSING ASSEMBLY (EATON 6S OD) BUS

Diagram No. 60

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.32103-6018	KIT-CONTROL HOUSING ASSEMBLY	1	FOR BUS WITH EATON 6S GB	INCLUDES SR No 1 TO 18
1	64.32103-6017	CONTROL HOUSING ASSEMBLY	1	FOR BUS WITH EATON 6S GB	DOES NOT INCLUDE SR No 13 TO 18
2	64.96410-0061	EXPANSION PLUG	1	FOR BUS WITH EATON 6S GB	
3	64.93021-0034	BUSHING	3	FOR BUS WITH EATON 6S GB	
4	64.32103-6016	CONTROL HOUSING	1	FOR BUS WITH EATON 6S GB	INCLUDES SR No 3
5	64.32515-0038	SHAFT GEAR SHIFT	1	FOR BUS WITH EATON 6S GB	
6	64.98181-6024	BREATHER	1	FOR BUS WITH EATON 6S GB	
7	64.32702-0003	INNER SHIFT LEVER	1	FOR BUS WITH EATON 6S GB	
8	64.90490-0109	SCREW	2	FOR BUS WITH EATON 6S GB	
9	64.91029-0016	WIRE	1	FOR BUS WITH EATON 6S GB	
10	64.97601-0508	SPRING	1	FOR BUS WITH EATON 6S GB	
11	64.96501-0156	OIL SEAL- CONTROL HOUSING	1	FOR BUS WITH EATON 6S GB	
12	64.96420-0006	BOOT	1	FOR BUS WITH EATON 6S GB	
13	64.90020-0490	BOLT	1	FOR BUS WITH EATON 6S GB	
14	64.90801-0202	SPRING WASHER	1	FOR BUS WITH EATON 6S GB	
15	64.32670-0011	LEVER GEAR SHIFT	1	FOR BUS WITH EATON 6S GB	
16	64.90501-0151	NUT	1	FOR BUS WITH EATON 6S GB	
17	64.96601-0090	GASKET CONTROL HOUSING	1	FOR BUS WITH EATON 6S GB	
18	64.97005-0005	SCREW	4	FOR BUS WITH EATON 6S GB	

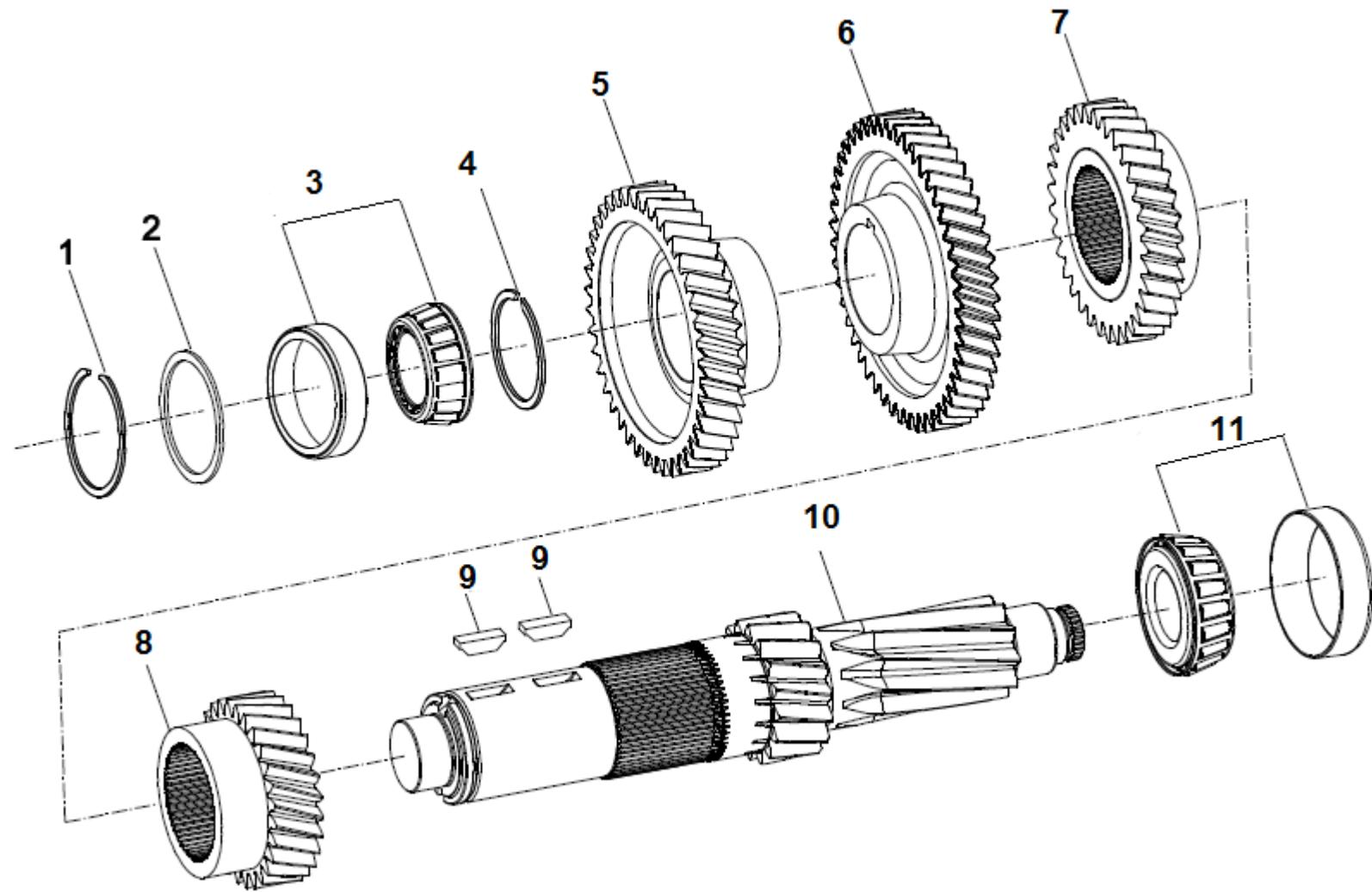
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COUNTER SHAFT (EATON 6S OD) BUS

Diagram No. 61

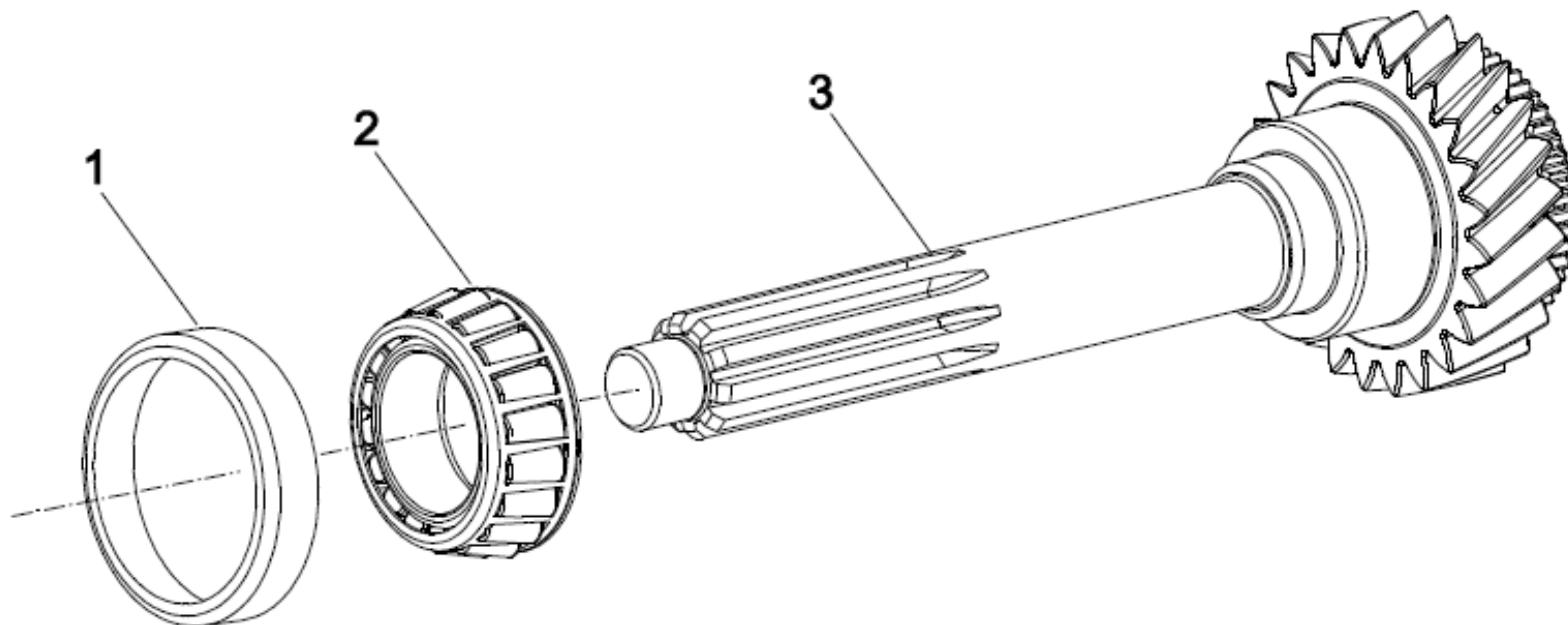


COUNTER SHAFT (EATON 6S OD) BUS**Diagram No. 61**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90820-0053	SNAP RING	1		
2	64.91701-0040	WASHER	1		
3	64.93420-6015	BEARING CUP & CONE	1		
4	64.90820-0054	SNAP RING	1		
5	64.32301-0071	DRIVE GEAR COUNTERSHAFT	1		
6	64.32301-0072	5TH GEAR COUNTERSHAFT (OVERDRIVE)	1		
7	64.32301-0064	4TH GEAR COUNTERSHAFT	1		
8	64.32301-0063	3RD GEAR COUNTERSHAFT	1		
9	64.94091-0002	KEY	2		
10	64.32205-0005	COUNTERSHAFT	1		
11	64.93420-6016	CUP & CONE	1		
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INPUT SHAFT (EATON 6S OD) BUS

Diagram No. 62

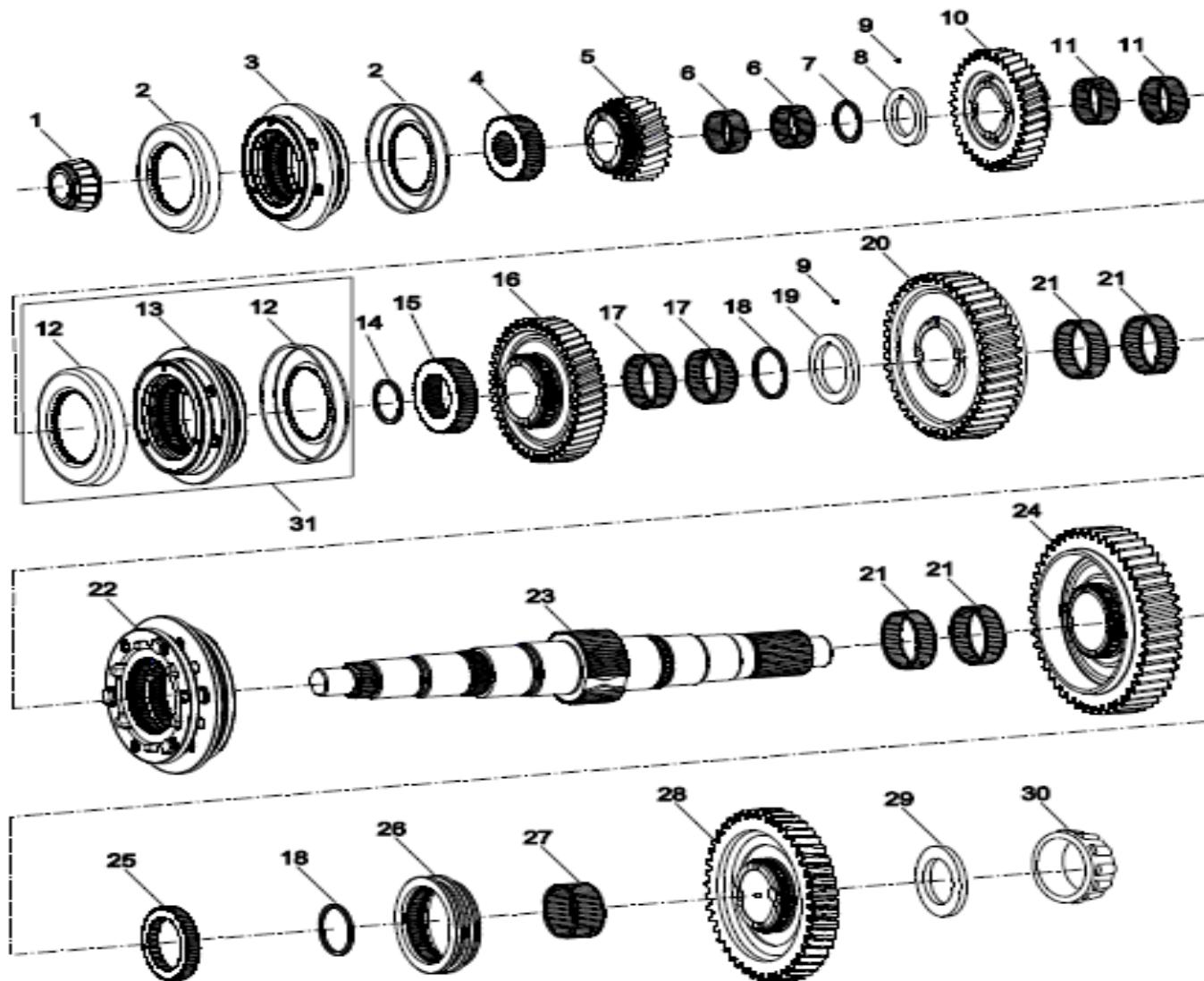


INPUT SHAFT (EATON 6S OD) BUS

Diagram No. 62

MAINSHAFT (EATON 6S OD) BUS

Diagram No. 63



MAINSHAFT (EATON 6S OD) BUS**Diagram No. 63**

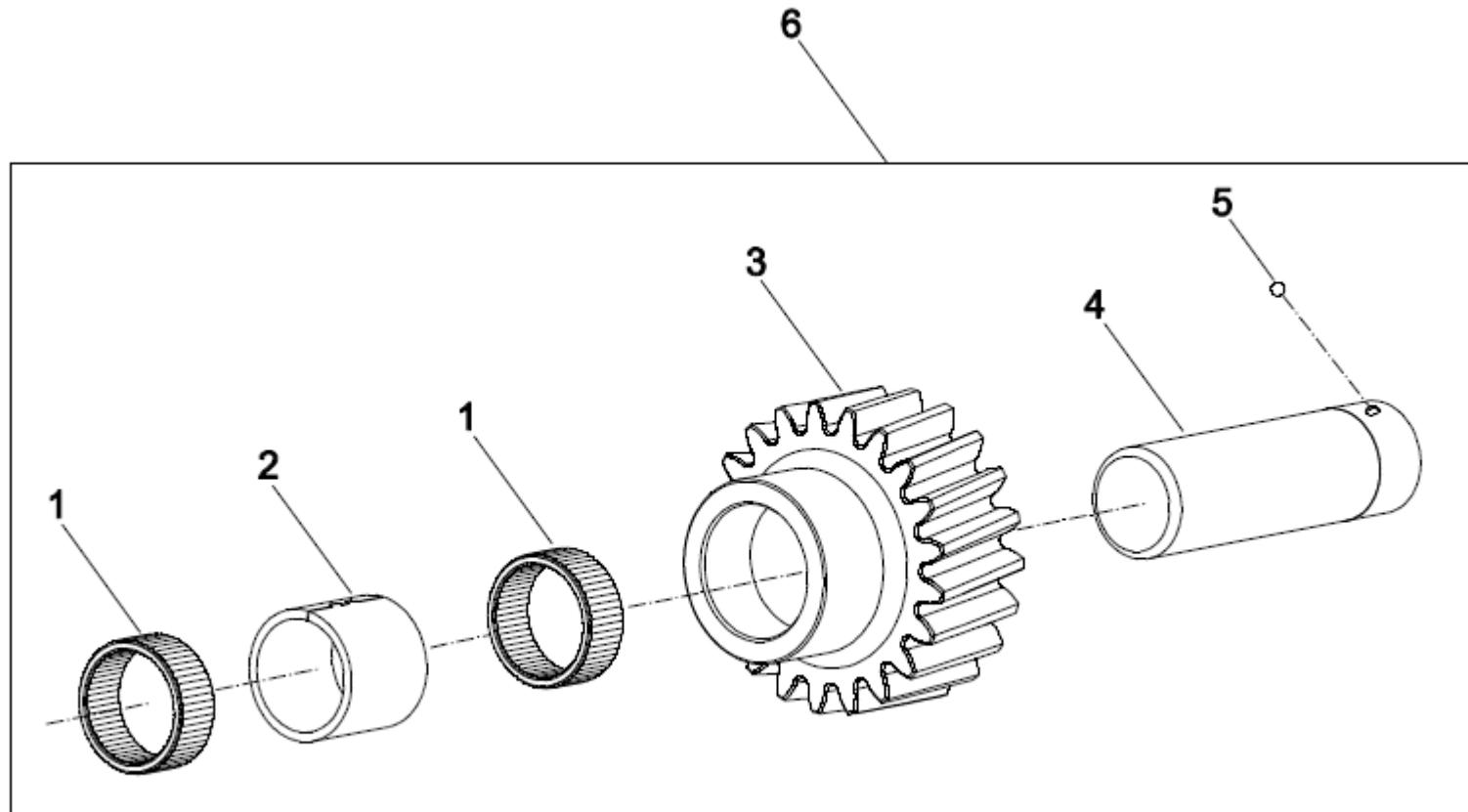
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.93420-0241	BEARING CONE	1		
2	64.32420-0031	SYNCHRO CUP 5/6	2		
3	64.32420-6039	SYNCHRO ASSY. 5/6	1		
4	64.32420-0032	CLUTCH HUB 5/6	1		
5	64.32301-0073	5TH GEAR MAINSHAFT (OVERDRIVE)	1		
6	64.93401-0061	BEARING	2		
7	64.90820-0055	SNAP RING	1		
8	64.32204-0002	WASHER	1		
9	64.96481-0011	STEEL BALL	2		
10	64.32301-0054	4TH GEAR MAINSHAFT	1		
11	64.93401-0062	BEARING	2		
12	64.32420-0033	CUP SYNCHRONIZER 3/4	2		
13	64.32420-6032	SYNCHRONIZER ASSEMBLY 3/4	1		
14	64.90820-0056	SNAP RING	1		
15	64.32420-0034	CLUTCH HUB 3/4	1		
16	64.32301-0053	3RD GEAR MAINSHAFT	1		
17	64.93401-0063	BEARING	2		
18	64.90820-0057	SNAP RING	2		
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MAINSHAFT (EATON 6S OD) BUS**Diagram No. 63**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
19	64.32204-0003	WASHER	1		
20	64.32301-0052	2ND GEAR MAINSHAFT	1		
21	64.93401-0064	BEARING	4		
22	64.32420-6033	SYNCHRONIZER ASSY. 1/2	1		
23	64.32202-0007	MAINSHAFT	1		
24	64.32301-0051	1ST GEAR MAINSHAFT	1		
25	64.32420-0035	CLUTCH HUB REVERSE	1		
26	64.32420-0036	SLIDING CLUTCH REVERSE	1		
27	64.93401-0073	BEARING NEEDLE	1		
28	64.32301-0050	REVERSE GEAR MAINSHAFT	1		
29	64.32202-0004	THRUST WASHER	1		
30	64.93420-0242	BEARING CONE	1		
31	64.32420-6035	SYNCHRO ASSEBLY SOLID PIN AND CUPS 3/4	1		CONSISTS OF SR NO 12 & 13
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REVERSE IDLER GEAR (EATON 6S OD) BUS

Diagram No. 64

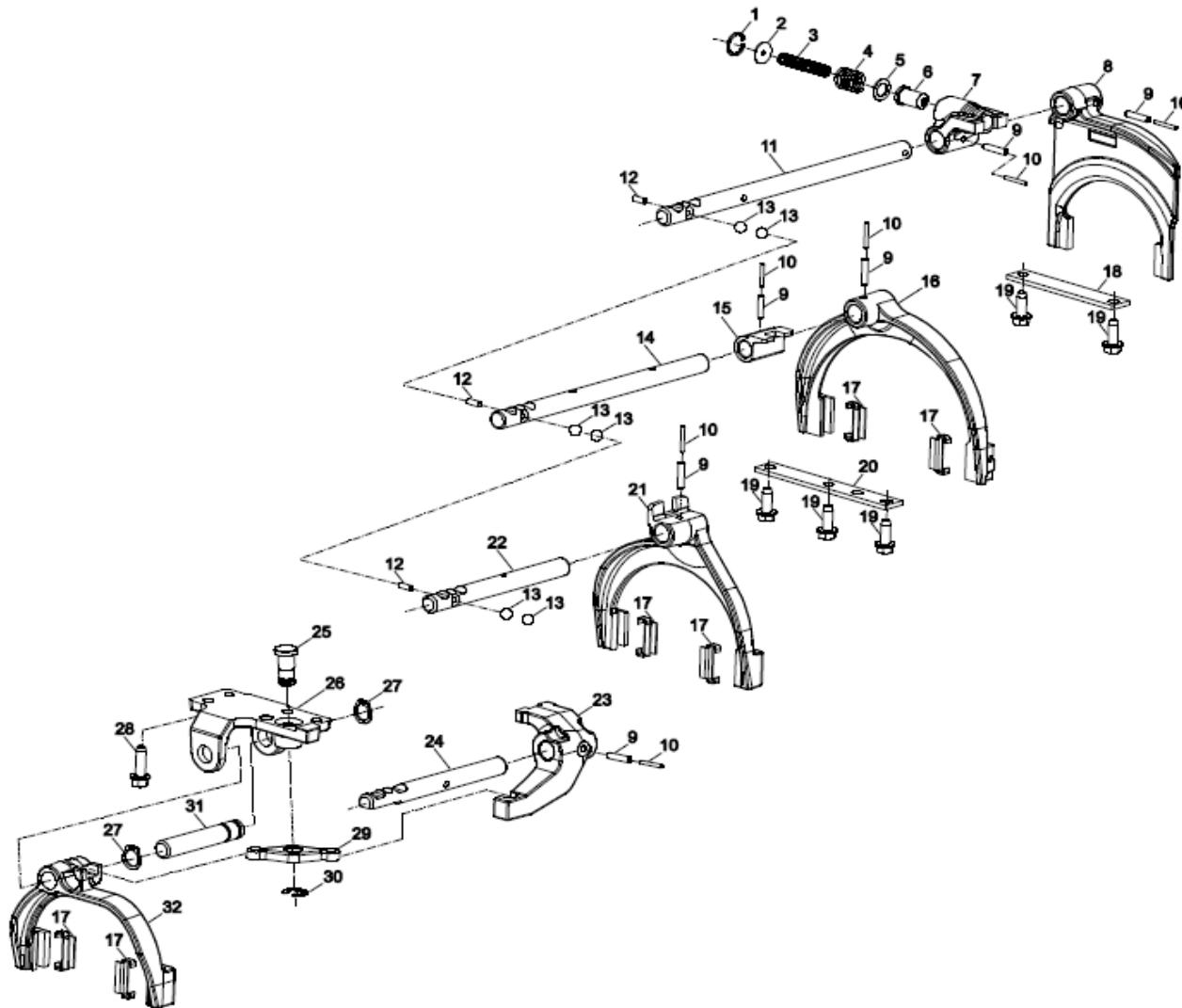


REVERSE IDLER GEAR (EATON 6S OD) BUS

Diagram No. 64

SHIFT BAR ASSEMBLY (EATON 6S OD) BUS

Diagram No. 65



SHIFT BAR ASSEMBLY (EATON 6S OD) BUS**Diagram No. 65**

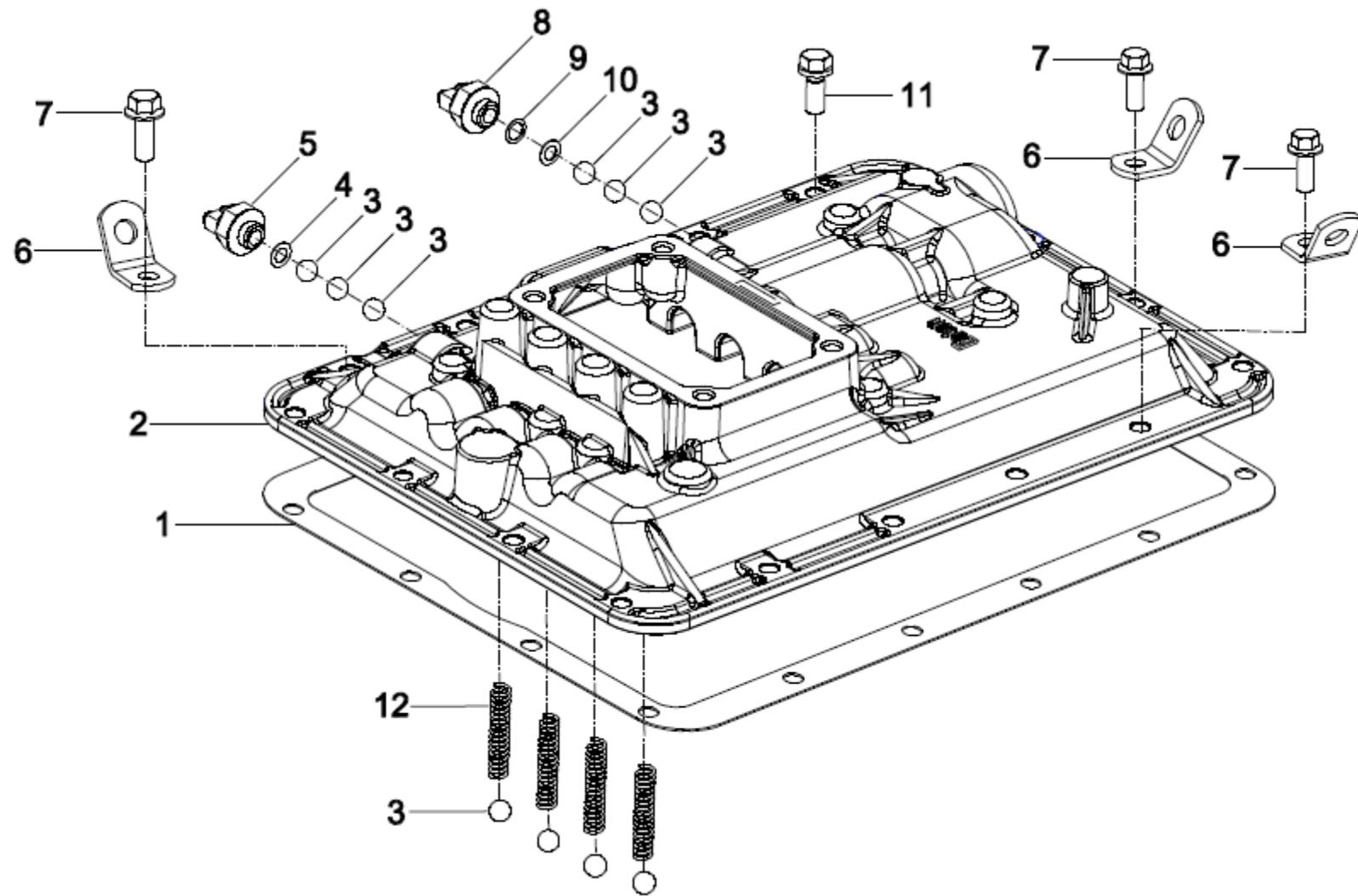
S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90820-0058	SNAP RING	1		
2	64.90713-0102	WASHER	1		
3	64.97601-0334	SPRING	1		
4	64.97601-0333	SPRING	1		
5	64.90713-0103	WASHER	1		
6	64.32511-0003	PLUNGER	1		
7	64.32522-0010	SHIFT BLOCK REVERSE	1		
8	64.32515-6030	YOKES ASSY. REVERSE	1		
9	64.91020-0121	ROLL PIN	6		
10	64.91020-0122	PIN	6		
11	64.32515-0029	YOKES BAR REVERSE	1		
12	64.32523-0104	PIN	3		
13	64.96481-0012	STEEL BALL	6		
14	64.32515-0034	YOKES BAR 1ST/2ND	1		
15	64.32522-0012	SHIFT BLOCK 1ST/2ND	1		
16	64.32515-6031	YOKES ASSY. 1ST/2ND	1		CONSISTS OF SR NO 17
17	64.32515-0030	YOKES PAD	6		
18	64.32515-0031	SHIFT BAR RETAINER	1		
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SHIFT BAR ASSEMBLY (EATON 6S OD) BUS**Diagram No. 65**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
19	64.90030-0086	CAPSCREW	5		
20	64.32515-0032	SHIFT BAR RETAINER	1		
21	64.32515-6033	YOKES ASSY. 3RD/4TH	1		CONSISTS OF SR NO 17
22	64.32515-0035	YOKES BAR 3RD/4TH	1		
23	64.32522-0013	SHIFT BLOCK 5TH/6TH	1		
24	64.32515-0039	YOKES BAR 5TH/6TH	1		
25	64.91020-0124	ACTUATOR PIN	1		
26	64.32532-0014	MOUNTING BRACKET	1		
27	64.90820-0062	SNAP RING	2		
28	64.90020-0491	SCREW	4		
29	64.32522-0014	ACTUATOR	1		
30	64.90820-0063	SNAP RING	1		
31	64.32515-0040	YOKES BAR	1		
32	64.32515-6036	YOKES ASSY. 5TH/6TH	1		CONSISTS OF SR NO 17
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SHIFT BAR HOUSING ASSEMBLY (EATON 6S OD) BUS

Diagram No. 66

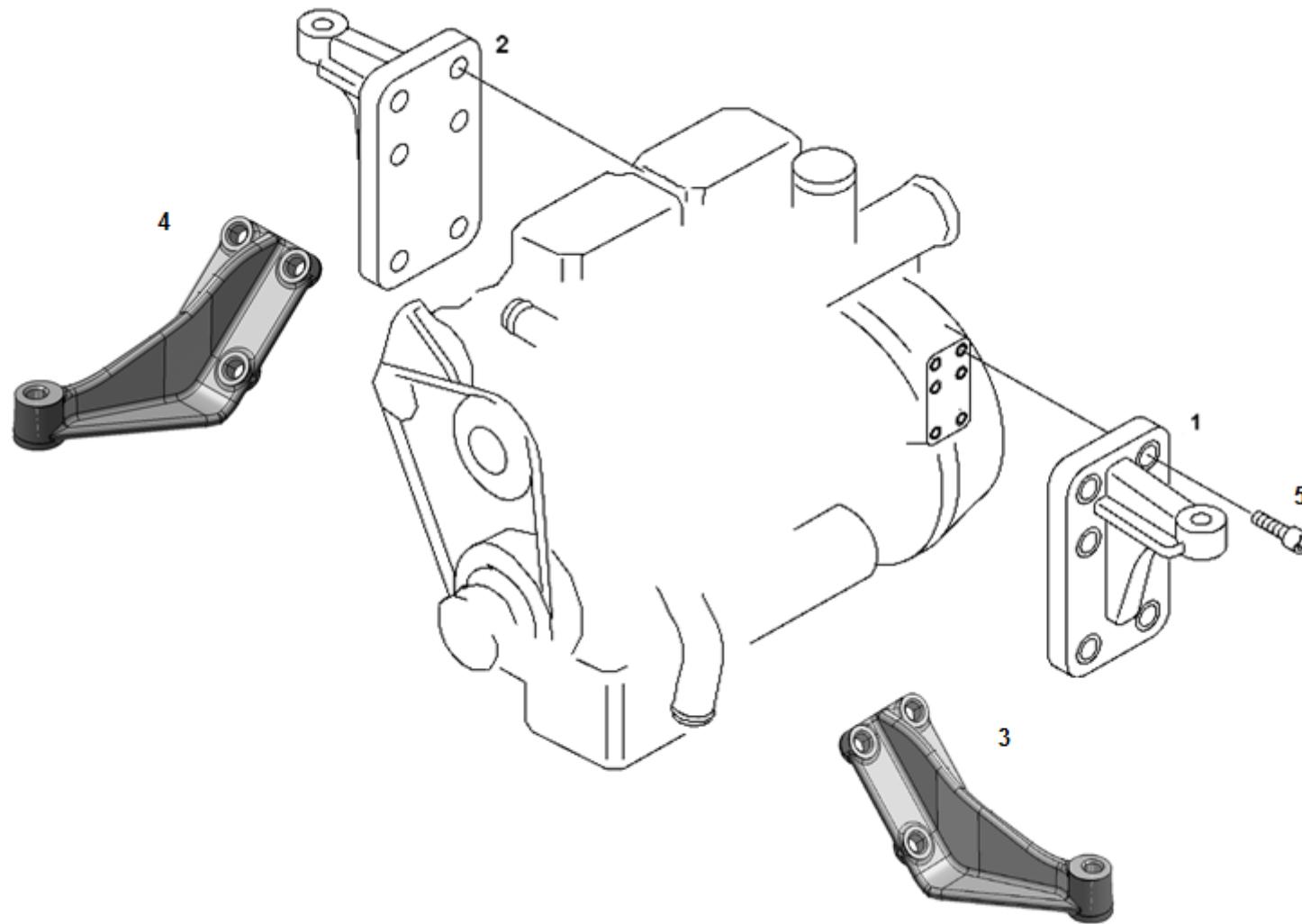


SHIFT BAR HOUSING ASSEMBLY (EATON 6S OD) BUS**Diagram No. 66**

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.96601-0091	GASKET SHIFT BAR HOUSING	1		
2	64.32103-0019	SHIFT BAR HOUSING	1		
3	64.96481-0012	STEEL BALL	10		
4	64.96481-0013	RETAINER BALL	1		
5	64.25525-0031	NEUTRAL SWITCH	1		
6	64.32532-0038	LIFTING EYE	3		
7	64.90030-0087	CAP SCREW	3		
8	64.25525-0032	REVERESE SWITCH	1		
9	64.96601-0092	GASKET	1		
10	64.96481-0014	REATINER BALL	1		
11	64.90030-0088	CAPSCREW	14		
12	64.97601-0511	SPRING	4		
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GEARBOX SUPPORT

Diagram No. 67



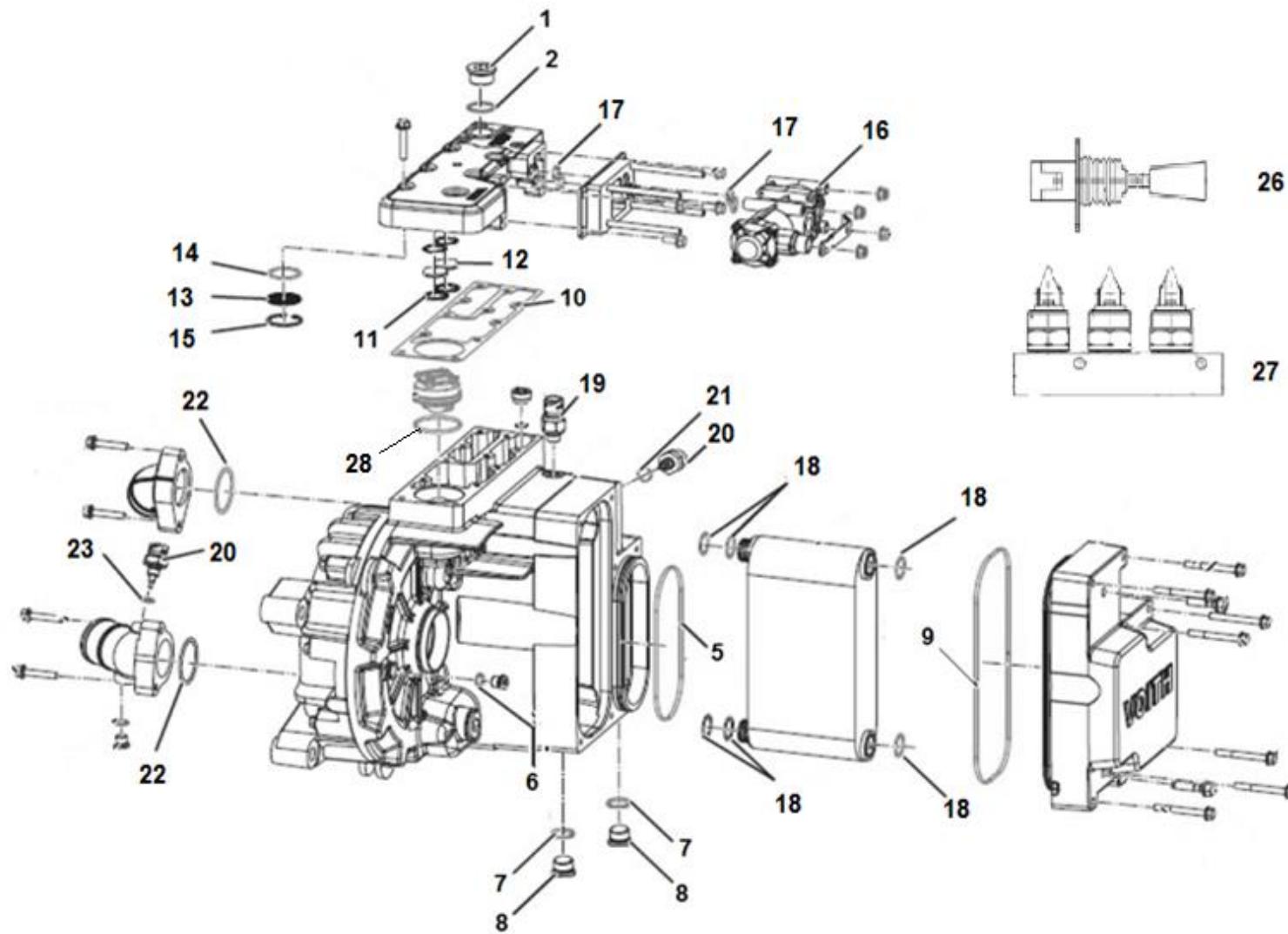
GEARBOX SUPPORT

Diagram No. 67

SR	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.41307-0004	GEAR BOX MTG BKT LH	1	COMMON FOR MODELS WITH ZF 9S GEAR BOX.	
1	64.41307-0020	GEAR BOX MTG BKT LH MACHINING	1	COMMON FOR MODELS WITH ZF 6S GEAR BOX ONLY.	
1	64.41307-0049	GEAR BOX MTG BKT LH MACHINING	1	COMMON FOR MODELS WITH EATON 6S GEAR BOX ONLY.	
2	64.41307-0005	GEAR BOX MOUNTING BKT- RH (MACHINING)	1	COMMON FOR MODELS WITH ZF 9S GEAR BOX.	
2	64.41307-0021	GEAR BOX MTG BKT RH MACHINING	1	COMMON FOR MODELS WITH ZF 6S GEAR BOX ONLY.	
2	64.41307-0050	GEAR BOX MTG BKT RH MACHINING	1	COMMON FOR MODELS WITH EATON 6S GEAR BOX ONLY.	
3	64.41307-0016	GEAR BOX MTG BKT LH (RCM)	1	COMMON FOR RMC MODELS ONLY WITH ZF 9S GB	
4	64.41307-0017	GEAR BOX MTG BKT RH (RCM)	1	COMMON FOR RMC MODELS ONLY WITH ZF 9S GB	
5	64.90490-0005	BOLT M16X2X40 DIN912-10.9 A3C	12	COMMON FOR MODELS WITH ZF 9S GEAR BOX.	
5	64.90020-0006	SCREW M14X1.5X40-10.9, M701204 -MAN183B1	8	COMMON FOR MODELS WITH ZF 6S GEAR BOX ONLY.	
5	64.90030-0028	SCREW M12X30-10.9-MAN183-PHR DIN 912	8	COMMON FOR MODELS WITH EATON 6S GEAR BOX ONLY.	
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VOITH RETARDER 123 & 123+ FOR BUS

Diagram No. 68



VOITH RETARDER 123 & 123+ FOR BUS
Diagram No. 68

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
1	64.90490-0452	SCREW PLUG	1	FOR 123+ RETARDER ONLY	
2	64.91710-0070	SEALING RING A-30x36 Cu	1	COMMON FOR 123 & 123+ RETARDERS	
3	64.91710-0073	SEAL RING	1	FOR 123+ RETARDER ONLY	DIAGRAM NOT SHOWN
4	64.91710-0074	O RING	1	FOR 123+ RETARDER ONLY	DIAGRAM NOT SHOWN
5	64.96501-0139	O RING	1	COMMON FOR 123 & 123+ RETARDERS	
6	64.91710-0069	SEALING RING A-14x18 Cu	1	COMMON FOR 123 & 123+ RETARDERS	
7	64.91710-0068	SEALING RING A-24x29 Cu	3	COMMON FOR 123 & 123+ RETARDERS	
8	64.90490-0092	SCREW PLUG M24x1	3	COMMON FOR 123 & 123+ RETARDERS	
9	64.91710-0075	O RING	1	FOR 123+ RETARDER ONLY	
9	64.96501-0140	O RING	1	FOR 123 RETARDER ONLY	
10	64.91710-0078	SEAL RING	1	FOR 123+ RETARDER ONLY	
10	64.96601-0163	SEAL RING	1	FOR 123 RETARDER ONLY	
11	64.90710-0128	WASHER	2	FOR 123+ RETARDER ONLY	
12	64.90810-0113	CIRCLIP	2	FOR 123+ RETARDER ONLY	
13	64.90710-0129	WASHER	1	FOR 123+ RETARDER ONLY	
14	64.91710-0076	O RING	1	FOR 123+ RETARDER ONLY	
15	64.90810-0112	CIRCLIP	1	FOR 123+ RETARDER ONLY	
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VOITH RETARDER 123 & 123+ FOR BUS
Diagram No. 68

S R	PART NO.	DESCRIPTION	QTY	APPLICABLE MODEL	REMARKS
16	64.52161-6019	PROPORTIONAL VALVE	1	COMMON FOR 123 & 123+ RETARDERS	
17	64.96501-0141	O RING	4	COMMON FOR 123 & 123+ RETARDERS	
18	64.91710-0077	O-RING	6	FOR 123+ RETARDER ONLY	
19	64.27421-0027	PRESSURE SENSOR	1	COMMON FOR 123 & 123+ RETARDERS	
20	64.27421-0028	TEMPERATURE SENSOR	1	COMMON FOR 123 & 123+ RETARDERS	
21	64.91710-0071	SEALING RING A-14x20 Cu	1	COMMON FOR 123 & 123+ RETARDERS	
22	64.96501-0148	O RING	2	COMMON FOR 123 & 123+ RETARDERS	
23	64.91710-0071	SEALING RING A-14x20 Cu	1	COMMON FOR 123 & 123+ RETARDERS	
24	64.96501-0149	O RING	1	COMMON FOR 123 & 123+ RETARDERS	
25	64.90020-0492	HEXAGON SCREW M16x1.5x100	1	FOR 123+ RETARDER ONLY	DIAGRAM NOT SHOWN
26	64.25509-0008	ASSY COMBINATION SWITCH 5 STAGES	1	FOR 123+ RETARDER ONLY	
26	64.25509-0007	ASSY COMBINATION SWITCH 3 STAGES	1	FOR 123 RETARDER ONLY	
27	64.25520-0014	PRESSURE SWITCH	1	COMMON FOR 123 & 123+ RETARDERS	
28	64.96501-0147	O RING B-55x3	1	FOR 123 RETARDER ONLY	
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