



*Powering Business Worldwide*

# Illustrated Parts List

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**Y05251**  
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## How To Use The Illustrated Parts List

The information contained in this document is subject to frequent updates. Therefore, for the latest information available, please visit the interactive Electronic Parts Catalog at <http://www.eaton.com/EatonCom/TruckEurope/TruckEurope/index.htm>

### Model Designation or Nomenclature

- For information regarding Model Designation and Nomenclature, visit <http://www.eaton.com/EatonCom/TruckEurope/TruckEurope/index.htm>

### Kits and Assemblies (K/A's)

- Kits and Assemblies contain groups of individual or assembled parts developed for optimal replacement or repair of a service problem.
- Kits and Assemblies are shown with applicable parts groupings in the parts listings.

### Identifying Kits and Assemblies

A- Part numbers beginning with the letter 'A' are pre-assembled Production Assemblies

K- Part numbers beginning with the letter 'K' are kits that are not assembled

T - Part numbers beginning with the letter 'T' are kits that are not assembled

S- Part numbers beginning with the letter 'S' are pre-assembled Service Assemblies

- Note: Some Production Assemblies do not begin with a letter prefix (Midrange only).

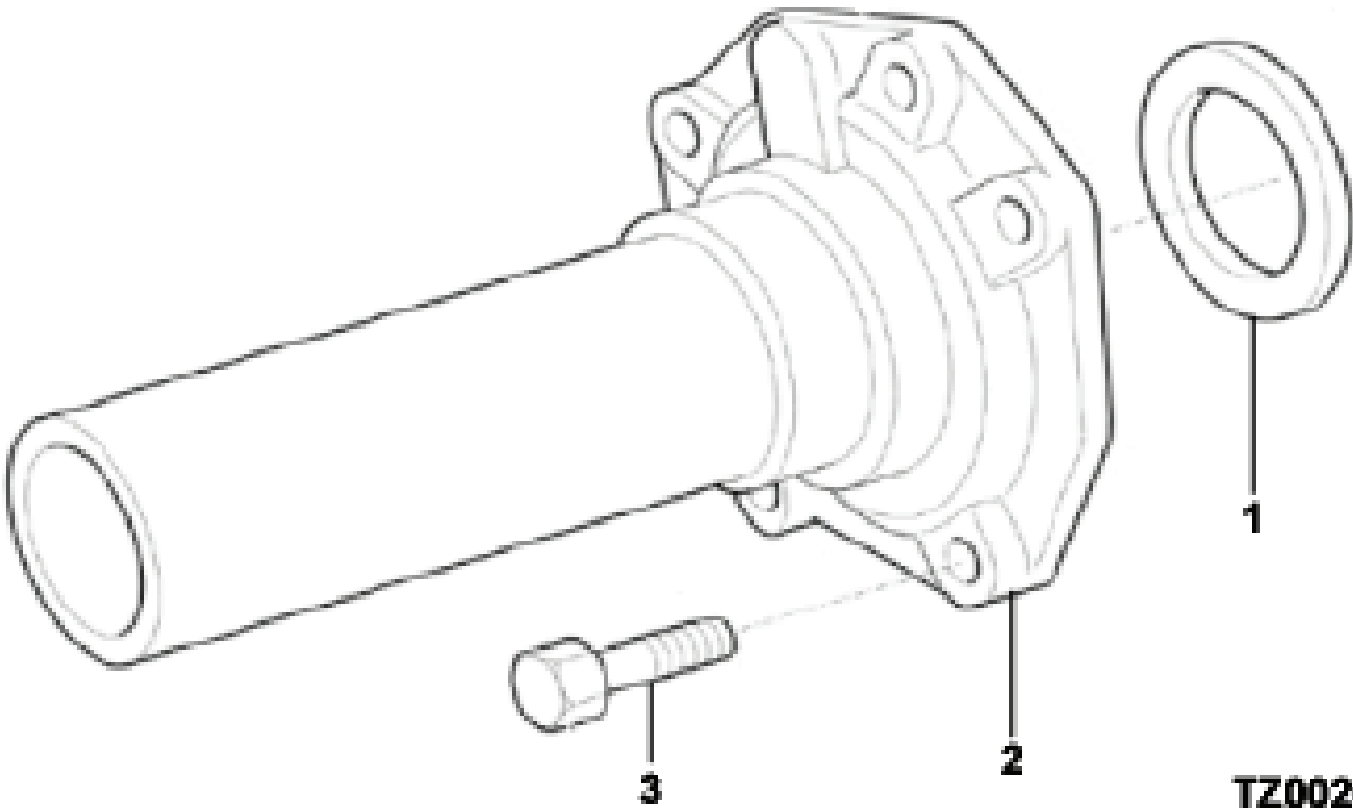
### Illustrations

- Illustrations show parts in assembly groups.
- Item numbers on illustrations correspond with parts listings on pages adjacent to the illustration.
- Notes are included on illustrations where additional information is needed.

### Parts Listing

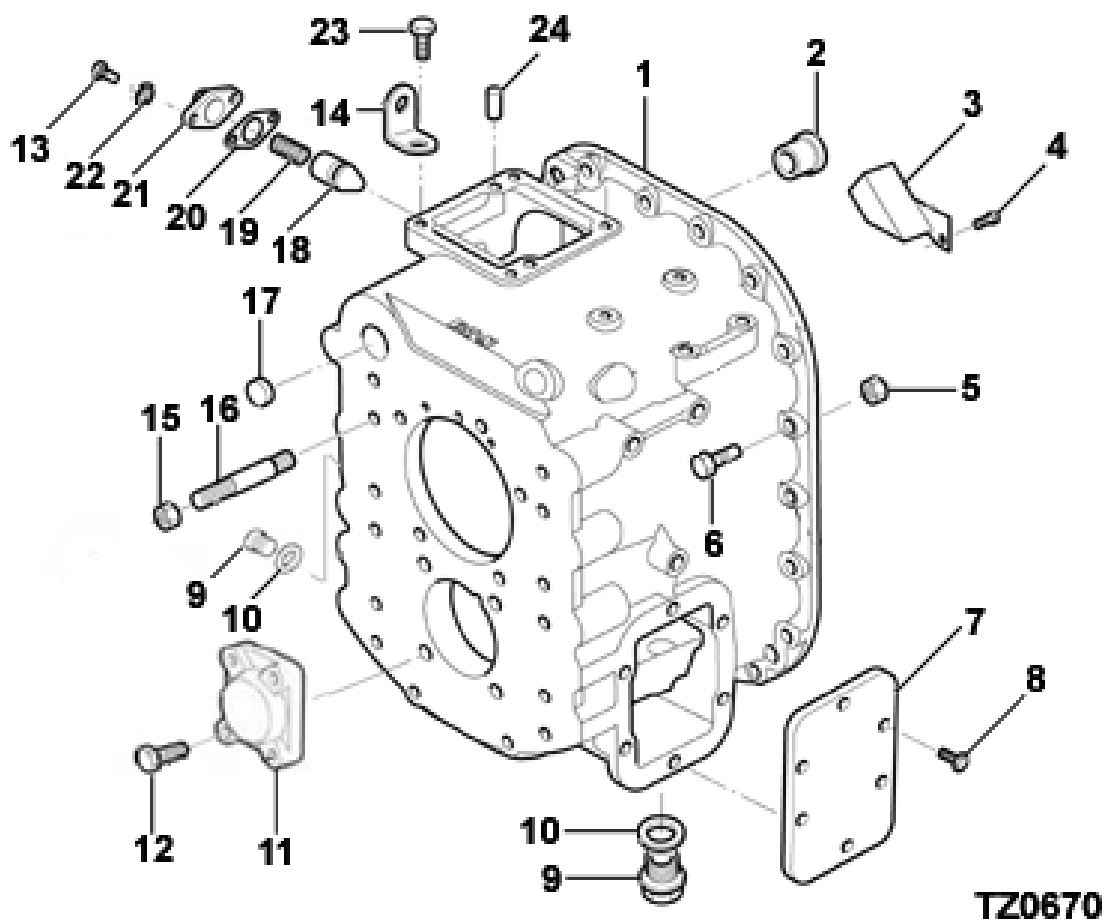
Parts listings are defined by parts groupings and are broken down by service assemblies. Parts listings identify a part for servicing with the following categories

- **Item Number** - corresponding with numbers on illustrations for part identification.
- **Current Part** - identifies part as it is available for service.
- **Description** - specifies part name or description
- **Replaced Part** - identifies superseded or replaced part number.
- **Quantity** - quantity required for assembly.
- **Notes** - defines unique characteristics or requirements.
- **Kits/Assy's Where Used** - indicates Kits or Assemblies that contain a particular part.



FRONT BEARING COVER ASSEMBLY

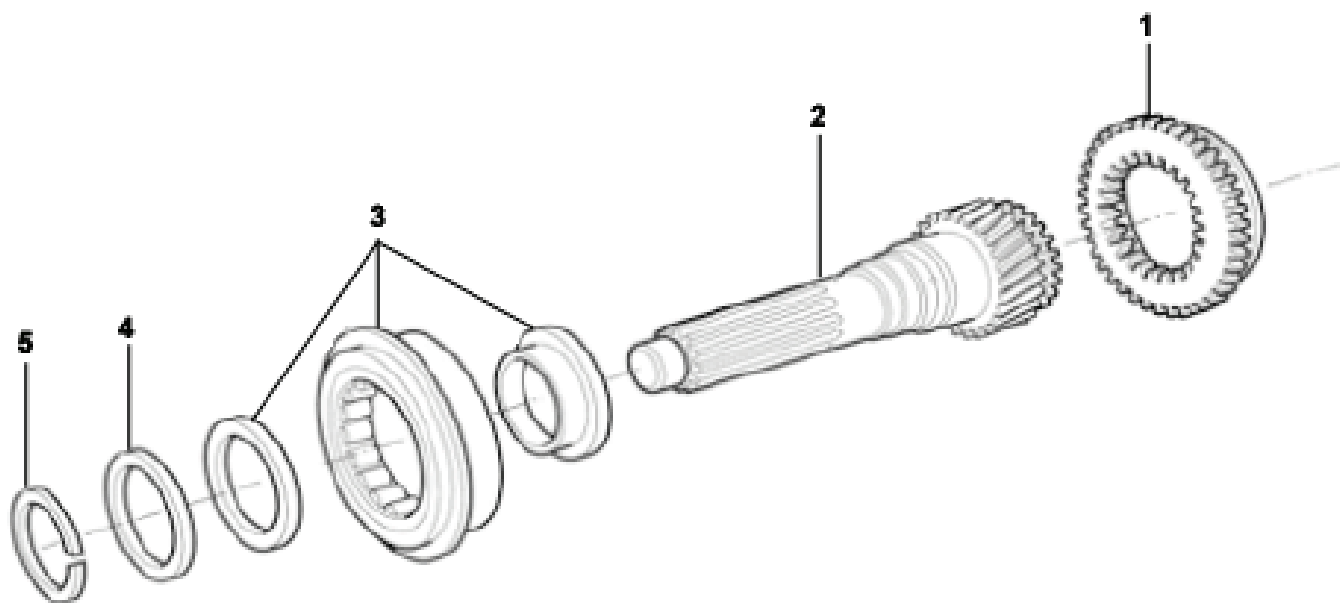
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8872616	FRONT COVER ASSY.		1		
1	X8870760	OIL SEAL		1		
2	8872600	FRONT BEARING COVER		1		
3	GMX-8-1089	SCREW		5	M10X25 HEX FLG HD	



## FRONT CASE ASSEMBLY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8882061	FRONT CASE ASSY.		1		
1	8881833	FRONT CASE		1		
2	8882415	BUSH		1	FOR MAIN SELECTOR SHAFT	
3	8872603	OIL THROUGH		1		
4	X8872604	SCREW		2		
5	GMX-9-1005	NUT		15	M10X1.5	
6	GMX-8-10110	BOLT		1	M10 X 58 HEX FLG HD	
6	GMX-8-1079	BOLT		3	M10X40	
6	GMX-8-1080	BOLT		14	M10X58	
7	GX8881616	PTO PROVISION COVER		1		
8	GMX-8-1088	SCREW		6	M12X25 HEX FLG HD	
9	GX8874941	MAGNETIC PLUG		2	M24	
10	X8880519	WASHER-FILL/DRAIN FL		2		
11	GX8880554	BEARING COVER LAYSHAFT		1		
12	GMX-8-1240	SCREW		4	M12X25 HEX FLG HD	
13	GMX-8-0801	SCREW		2	M8X14	
14	GX20815	LIFTING EYE		1		
15	GMX-9-1204	NUT		12	M12	

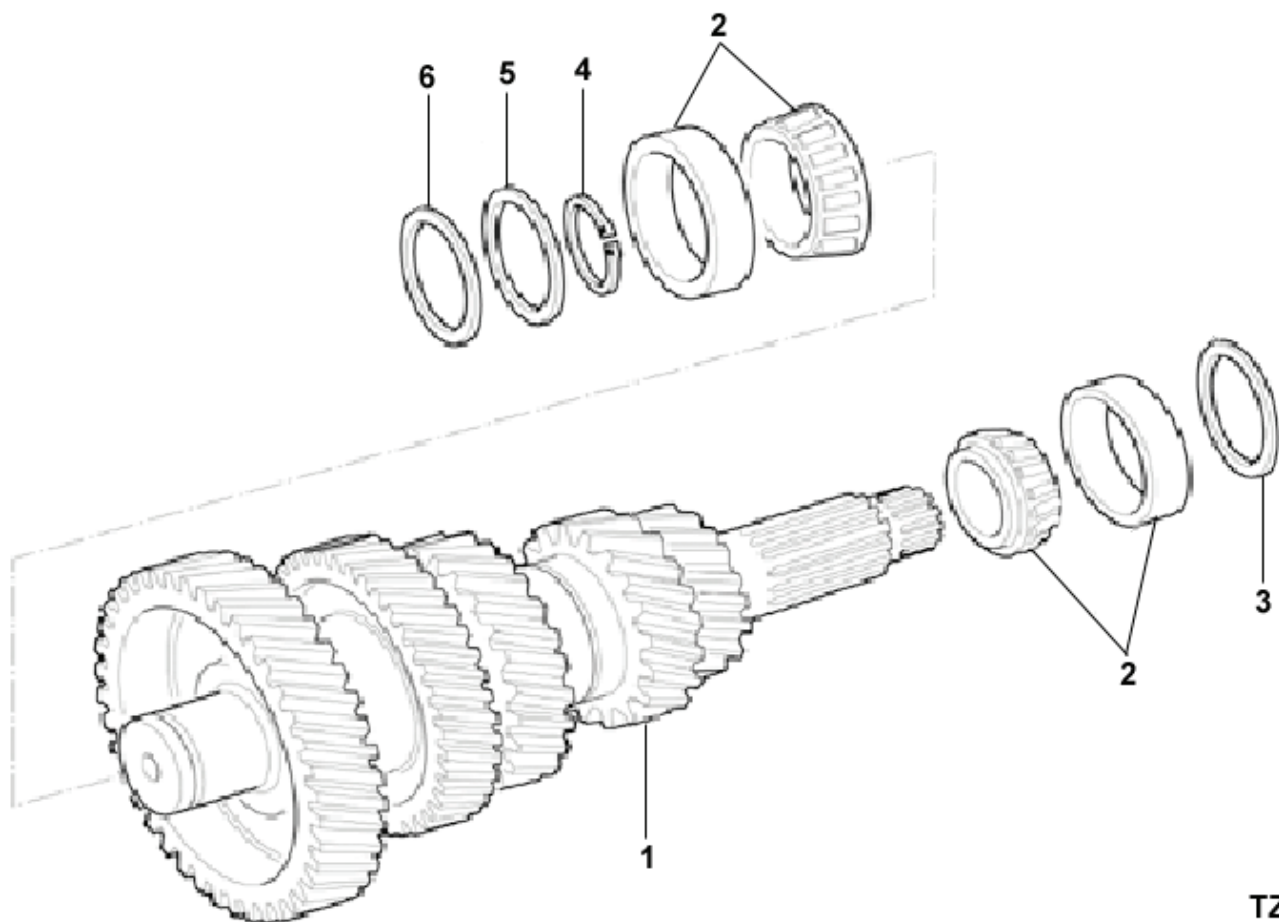
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
16	GX8873931	STUD		10	M12X45 LONG	
16	GX8874699	STUD		2	M12X65 LONG	
17	GX8870278	CUP PLUG		1		
18	8873654	PLUNGER-NEUTRAL		1		
19	8871098	SPRING COMPRESSION		1		
20	8870590	GASKET		1		
21	GX8870259	DETENT COVER		1		
22	GMX-3-0801	WASHER SPRING		2	M8	
23	GMX-8-1091	SCREW		4	M10X30 HEX FLG HD	
24	X8870542	DOWEL		2	8,0 DIA X 16	



**TZ0019**

**INPUT SHAFT ASSEMBLY**

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8877938	INPUT SHAFT ASSEMBLY		1		
1	8877318	SYNCHRO FLANGE		1		
2	8877808	INPUT SHAFT		1		
3	X8872593	INPUT SHAFT BEARING		1		
4	8877692	SPACER - GRADED 3.10		1	PACK: U8877691	
4	8877693	SPACER - GRADED 3.15		1	PACK: U8877691	
4	8877694	SPACER - GRADED 3.20		1	PACK: U8877691	
4	8877695	SPACER - GRADED 3.25		1	PACK: U8877691	
4	8877696	SPACER - GRADED 3.30		1	PACK: U8877691	
4	8877697	SPACER - GRADED 3.35		1	PACK: U8877691	
4	8877698	SPACER - GRADED 3.40		1	PACK: U8877691	
4	8877699	SPACER - GRADED 3.45		1	PACK: U8877691	
4	8877700	SPACER - GRADED 3.50		1	PACK: U8877691	
4	U8877691	SPACER - GRADED PACK		1		
5	X8877706	CIRCLIP		1		

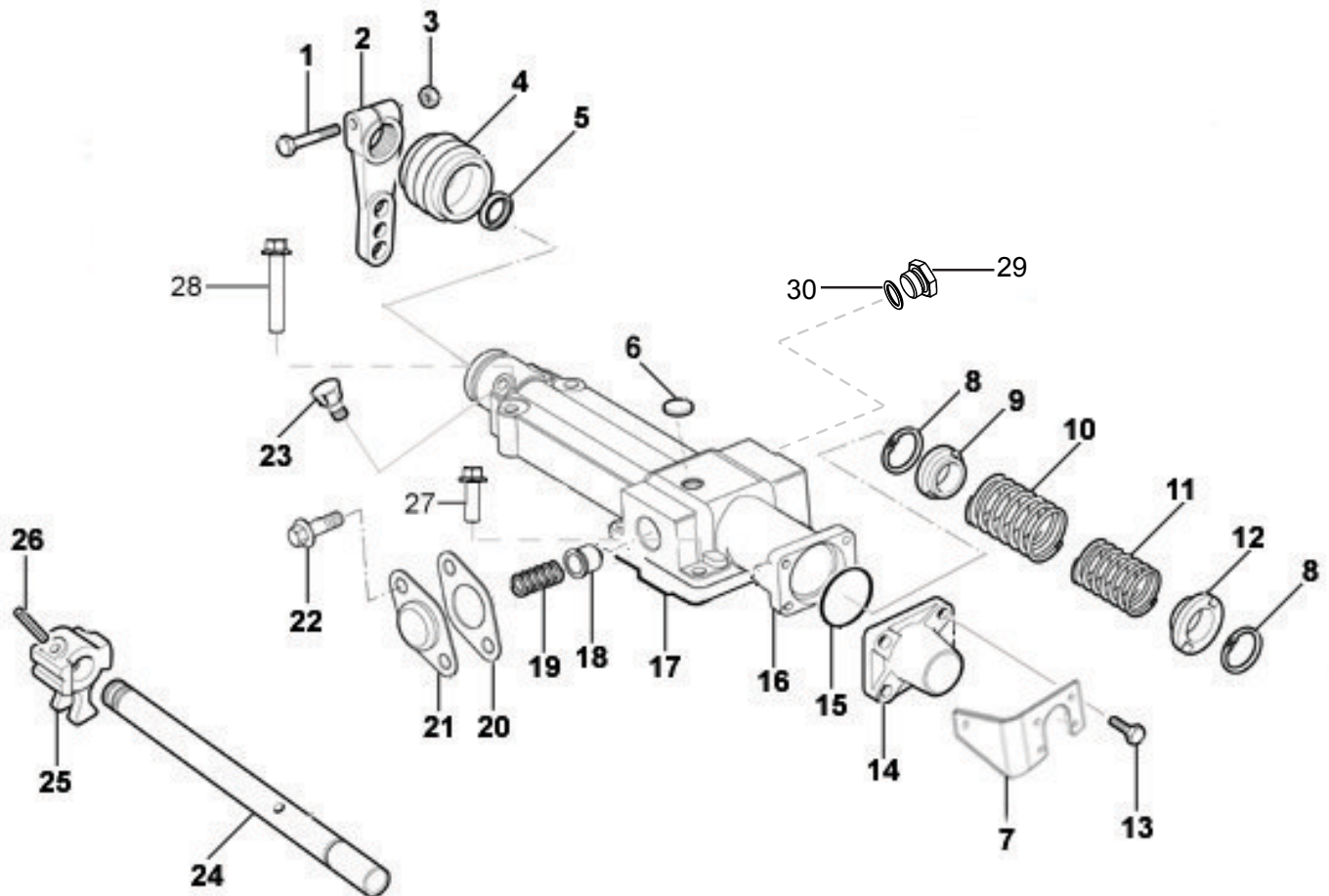


**TZ0023**

## LAYSHAFT ASSEMBLY

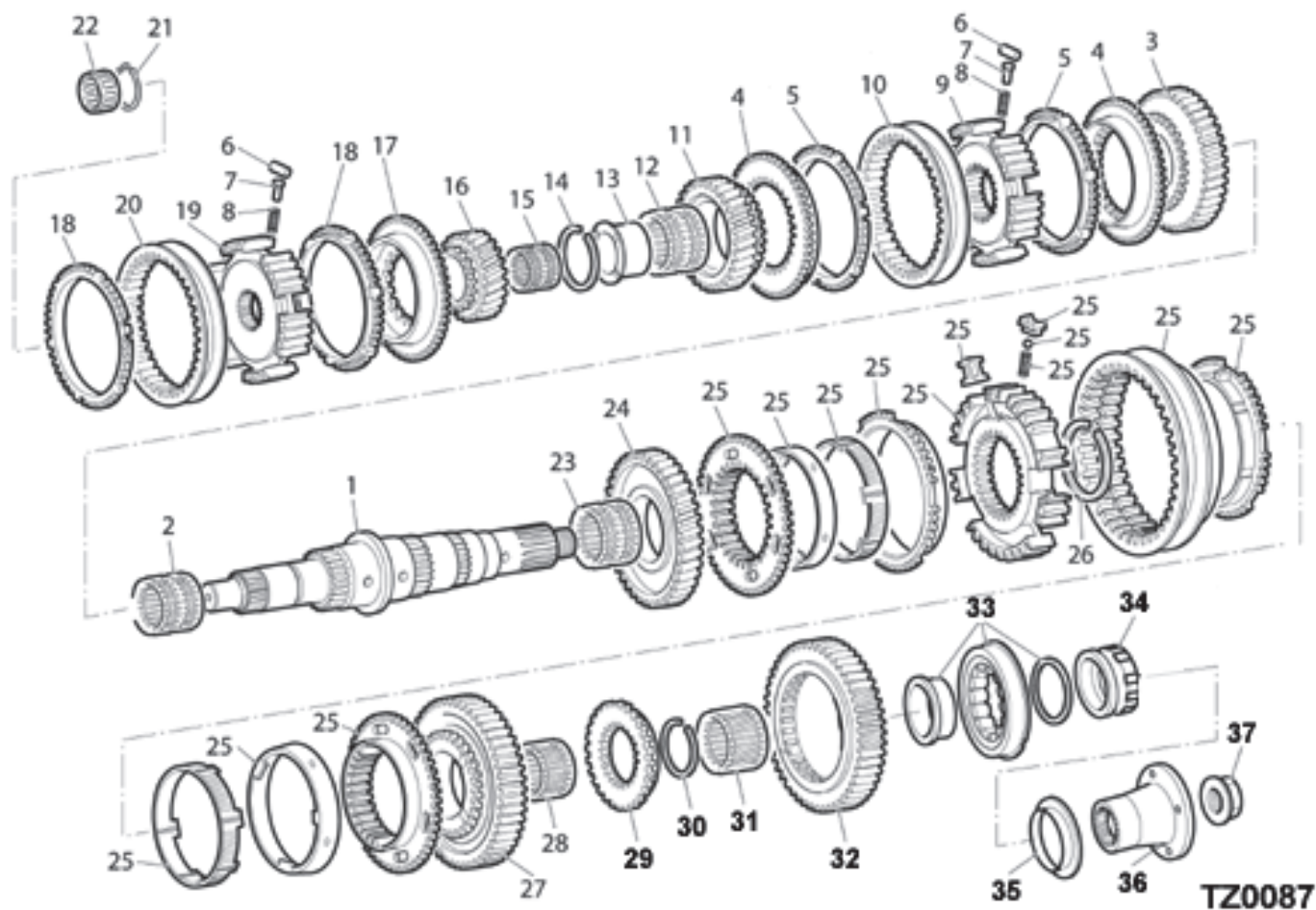
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	U8882756	LAYSHAFT ASSY.		1		
2	X8875587	BRG. ASSY		2		
3	8872210	DISTANCE PIECE		1		
4	U8877534	CIRCLIP GRADED PACK		1		
4	X8870370	GR.C/CLIP 40 DIA. X 2.12 MM		1		
4	X8870371	GR.C/CLIP 40 DIA. X 2.07 MM		1		
4	X8870372	GR.C/CLIP 40 DIA X 2.02 MM		1		
4	X8871536	GR.C/CLIP 40 DIA. X 1.97 MM		1		
4	X8871537	GR.C/CLIP 40 DIA. X 1.92 MM		1		
4	X8871538	GR.C/CLIP 40 DIA. X 1.87 MM		1		
4	X8871539	GR.C/CLIP 40 DIA. X 1.82 MM		1		
4	X8871540	GR.C/CLIP 40 DIA. X 1.77 MM		1		
5	F88891	SHIM		1		
5	F88892	SHIM		1		
5	F88893	SHIM		1		
5	F88894	SHIM		1		
5	U8877535	SHIM PACK		1		
5	X8882272	SHIM		1		
6	8875879	SPACER		1		



**TZ0671****LRC ASSEMBLY**

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8881024	LRC ASSEMBLY		1		
1	GMX-8-1086	BOLT FLANGE HEAD		1	M10 X 25	
2	GX8876061	OUTER LEVER		1		
3	GMX-9-1005	NUT		1	M10X1.5	
4	X8875259	BOOT		1		
5	X8881481	OIL SEAL		1		
6	GX8871486	EXPANSION PLUG		1		
7	GX8874361	BRACKET REACTION ROD		1		
8	X8874450	CIRCLIP		2	25.DIA	
9	8876566	SPRING RETAINER-BOOSTER		1		
10	8871395	SPRING COMPRESSION		1		
11	8876345	BOOSTER SPRING		1		
12	8876567	SPRING RETAINER-BIAS		1		
13	GMX-8-0847	SCREW		4		
14	8880477	END CAP		1		
15	X8880639	O-RING		1		
16	U8880697	LRC SUB ASSY.		1	COMPRISES HOUSING AND BUSHINGS	
17	8880638	SEAL		1		
18	8875415	PLUNGER - DETENT		1		
19	8870587	DETENT SPRING		1		
20	8870590	GASKET		1		
21	GX8870259	DETENT COVER		1		
22	GMX-8-0848	SCREW		2		

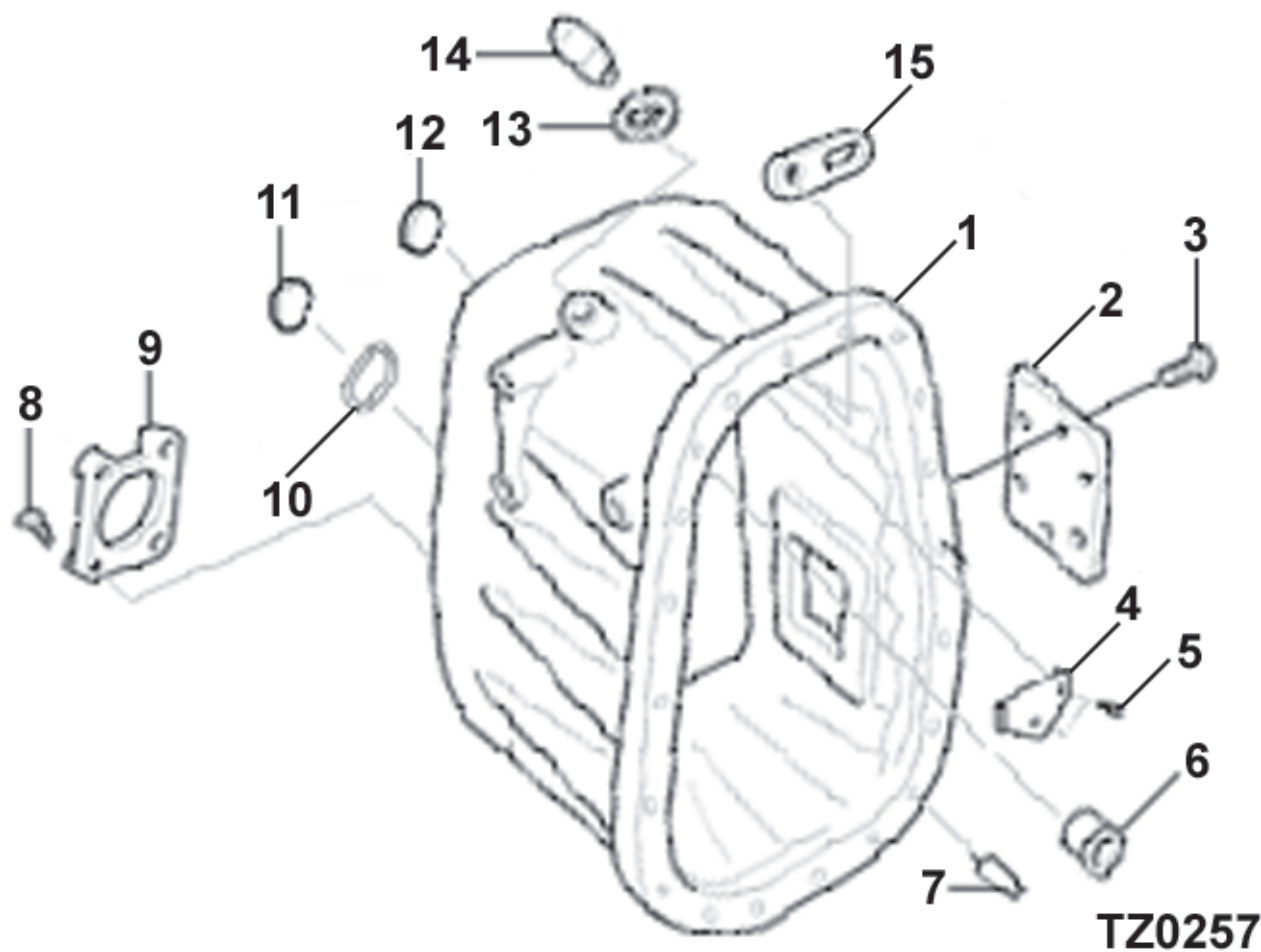
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
23	X2014210	BREATHER		1		
24	GX8874797	SHIFT ROD LH SELECTOR		1		
25	8877658	INNER STRIKING LEVER		1		
26	X8871378	DOWEL		1	10,0 DIA X 44	
27	GMX-8-1091	SCREW		4	M10X30 HEX FLG HD	
28	GMX-8-1090	SCREW		2	M10 X 55 HEX FLG HD	
29	GX8871502	PLUG		1	M16	
30	5568510	O-RING		1		



## MAINSHAFT ASSEMBLY

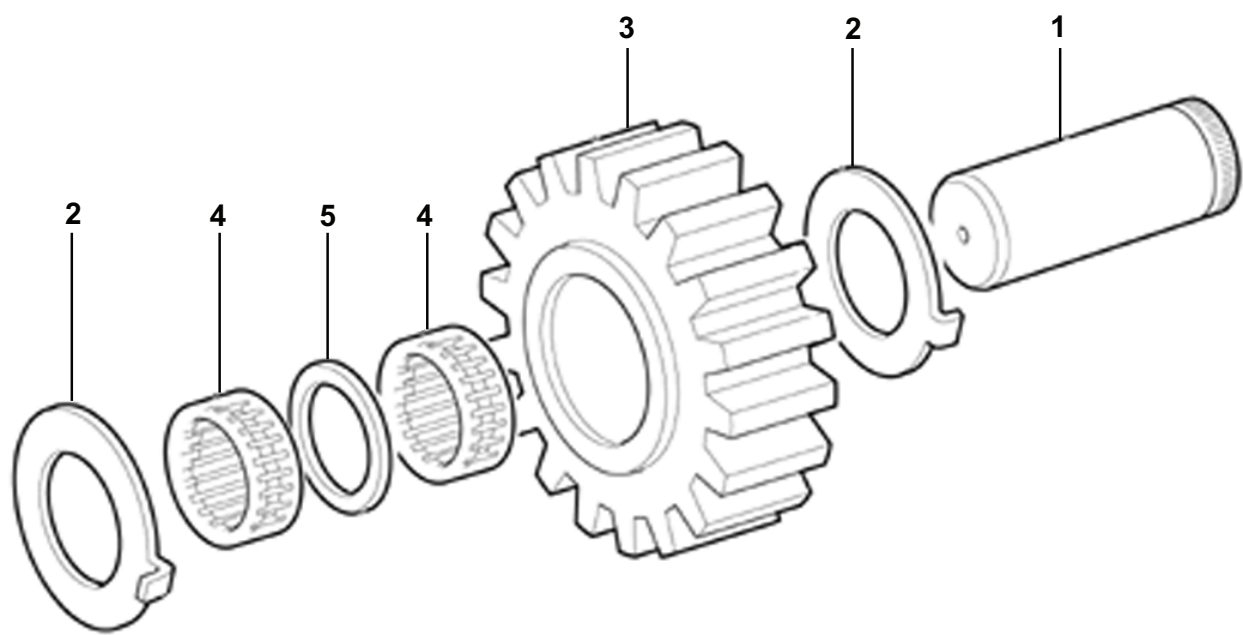
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8882783	MAINSHAFT ASSY.		1		
1	8876898	MAINSHAFT		1		
2	X8872236	NEEDLE ROLLER BRG. ASSY.		1		
3	8880491	GEAR MAINSHAFT 3RD		1		
4	8877316	SYNCHRO FLANGE		2		
5	8877313	SYNCHRO RING		2		
6	X8870356	ROLLER		6		
7	8870352	PLUNGER		6		
8	8870444	SPRING COMPRESSION		6		
9	8875128	FIXED HUB 3RD/4TH		1		
10	8875374	SLIDING SLEEVE		1		
11	8876906	GEAR MAINSHAFT 4TH	8880428	1		
12	X8872233	NEEDLE ROLLER BRG. ASSY		1		
13	8882868	SLEEVE MAINSHAFT BEARING		1		
14	U8882558	GRADED CIRCLIP PACK		1		
14	X8870534	GR.CIRCLIP 46 DIA. X 2.10 MM		1	PACK: U8882558	
14	X8870535	GR.CIRCLIP 46 DIA. X 2.05 MM		1	PACK: U8882558	
14	X8870536	GR.CIRCLIP 46 DIA. X 2.00 MM		1	PACK: U8882558	
15	X8870180	NEEDLE BEARING		1		
16	8882731	GEAR MAINSHAFT 5TH		1		
17	8877317	SYNCHRO FLANGE		1		
18	8877314	SYNCHRO RING		2		
19	8875127	FIXED HUB 5TH/6TH		1		
20	8875375	SLIDING SLEEVE		1		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
21	U8877531	GRADED CIRCLIP PACK		1		
21	X8870370	GR.C/CLIP 40 DIA. X 2.12 MM		1		
21	X8870371	GR.C/CLIP 40 DIA. X 2.07 MM		1		
21	X8870372	GR.C/CLIP 40 DIA X 2.02 MM		1		
22	X8870305	NEEDLE BRG.ROLLER ASSY		1		
23	X8872236	NEEDLE ROLLER BRG. ASSY.		1		
24	8876904	GEAR MAINSHAFT 2ND	8881310	1		
25	U8882160	SYNCHRO PACK D.C.1ST/2ND		1		
26	U8876620	GRADED CIRCLIP PACK		1		
26	X8876597	CIRCLIP GR.DIA. 65 X 4.15		1	PACK: U8876620	
26	X8876598	CIRCLIP-GR.DIA. 65 X 4.10		1	PACK: U8876620	
26	X8876599	CIRCLIP-GR.DIA. 65 X 4.05		1	PACK: U8876620	
26	X8876600	CIRCLIP-GR.DIA. 65 X 4.00		1	PACK: U8876620	
26	X8876601	CIRCLIP-GR.DIA. 65 X 3.95		1	PACK: U8876620	
27	8882159	GEAR MAINSHAFT 1ST		1		
28	X8870177	NEEDLE ROLLER BRG. ASSY		1		
29	8876602	HUB FIXED REVERSE		1		
30	U8882193	GRADED CIRCLIP PACK		1		
30	X8870378	CIRCLIP-GR.DIA.60 X 2.10 MM		1	PACK: U8882193	
30	X8870379	CIRCLIP-GR.DIA.60 X 2.05 MM		1	PACK: U8882193	
30	X8870380	CIRCLIP-GR.DIA.60 X 2.00 MM		1	PACK: U8882193	
31	X8870178	NEEDLE ROLLER BRG. ASSY		1		
32	8880487	GEAR MAISHAFT REVERSE		1		
33	X8877197	BRG.M/S OUTPUT INT SPACER		1		
34	8876246	GEAR SPEEDO DRIVE		1		
35	8876869	DIRT SHIELD		1		
36	GX8877443	COUPLING FLANGE		1		
37	GX8870564	MAINSHAFT NUT		1	M33	



## REAR CASE ASSEMBLY

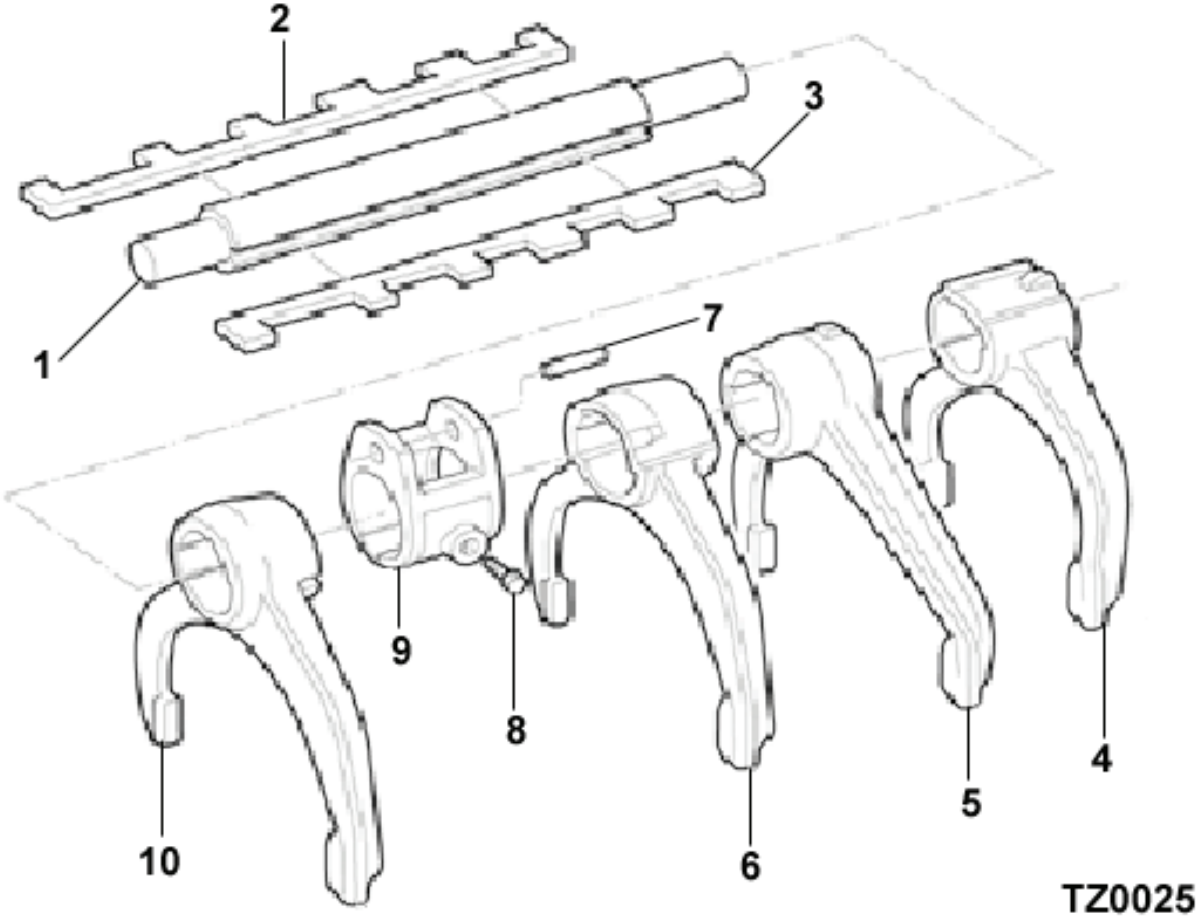
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8876807	REAR CASE ASSY.		1		
1	8876779	REAR CASE		1		
2	GX8881616	PTO PROVISION COVER		1		
3	GMX-8-1088	SCREW		6	M12X25 HEX FLG HD	
4	8874494	PLATE OIL RETENTION		1		
5	8874473	SCREW		2		
6	8882415	BUSH		1	FOR MAIN SELECTOR SHAFT	
7	X8870543	DOWEL		2	16,0 DI X 30,5	
8	GMX-8-1239	SCREW		4	M12 X 25 HEX FLG HD	
9	GX8880554	BEARING COVER LAYSHAFT		1		
10	X8881424	CIRCLIP		1		
11	X8880496	CORE PLUG		1	37.DIA	
12	GX8870278	CUP PLUG		1		
13	5568510	O-RING		1		
14	GX2771532	SWITCH REVERSE		1		
15	GX8874026	LIFTING EYE		1		



TZ0007

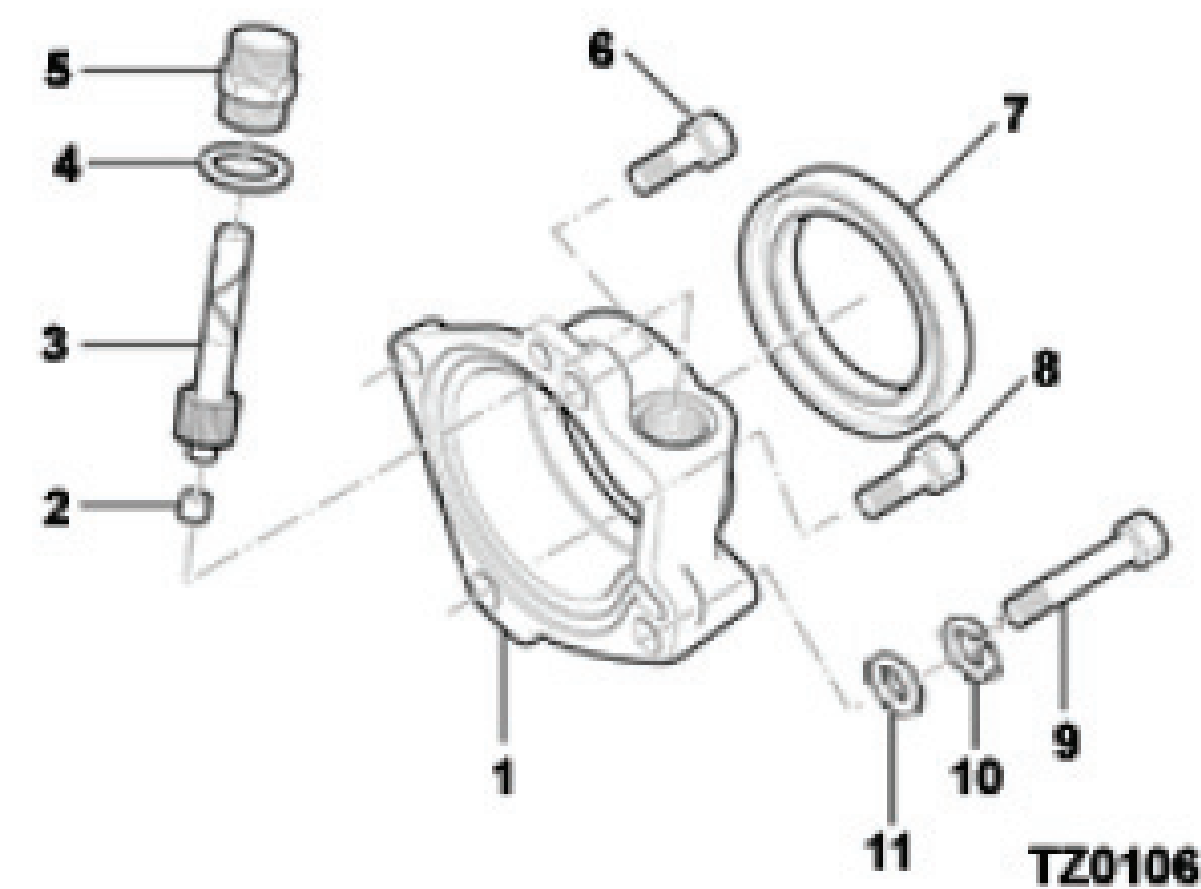
REVERSE IDLER SHAFT

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	8883246	REVERSE IDLER SHAFT		1		
2	8870343	THRUST WASHER		2		
3	8880489	GEAR REVERSE IDLER		1		
4	X8872478	NEEDLE ROLLER BRG		2		
5	8872479	SPACER		1		



SELECTOR ASSEMBLY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8875904	SELECTOR ASSEMBLY		1		
0	U8875914	SELECTOR BLOCK		1	INCLUDED 8874754 & X8870277	
1	8874835	SELECTOR SHAFT		1		
2	8876394	SELECTOR KEY		1		
3	8876395	INTERLOCK KEY		1		
4	8875503	FORK REVERSE		1		
5	8880805	FORK 1ST/2ND		1		
6	8875501	FORK 3RD/4TH		1		
7	X8870277	DOWEL		1		
8	8873691	SCREW		1	M10X23 HEX HD	
9	8874754	SELECTOR BLOCK		1		
10	8875500	FORK 5TH/6TH		1		



SPEEDO HOUSING

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	U8874019	SPEEDO HOUSING ASSY.		1		
1	8877726	SPEEDO HOUSING		1		
2	7992	BUSH		1		
3	8875984	SPEEDO PINION 13T		1		
4	X8880471	WASHER		1		
5	8874007	ADAPTOR		1		
6	GMX-8-1091	SCREW		2	M10X30 HEX FLG HD	
7	X13711	OIL SEAL		1		
8	GMX-8-1092	SCREW		1	M10 X 30 HEX FLG HD	
9	GMX-8-1093	BOLT		1	M10X45 HEX FLG HD	
10	GMX-3-1001	SPRING WASHER		1		
11	GX11245	WASHER PLAIN		1	M10	





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