

Transmission Repair Parts for VOLVO.

AT2412 C/D/E/F AT2512 C
AT2612 D/E/F AT2812 C/D/E/F
ATO2112 C/D/E/F ATO3512 D/E/F

21.12.2020



CHART 01

Input Shaft & Front Cover

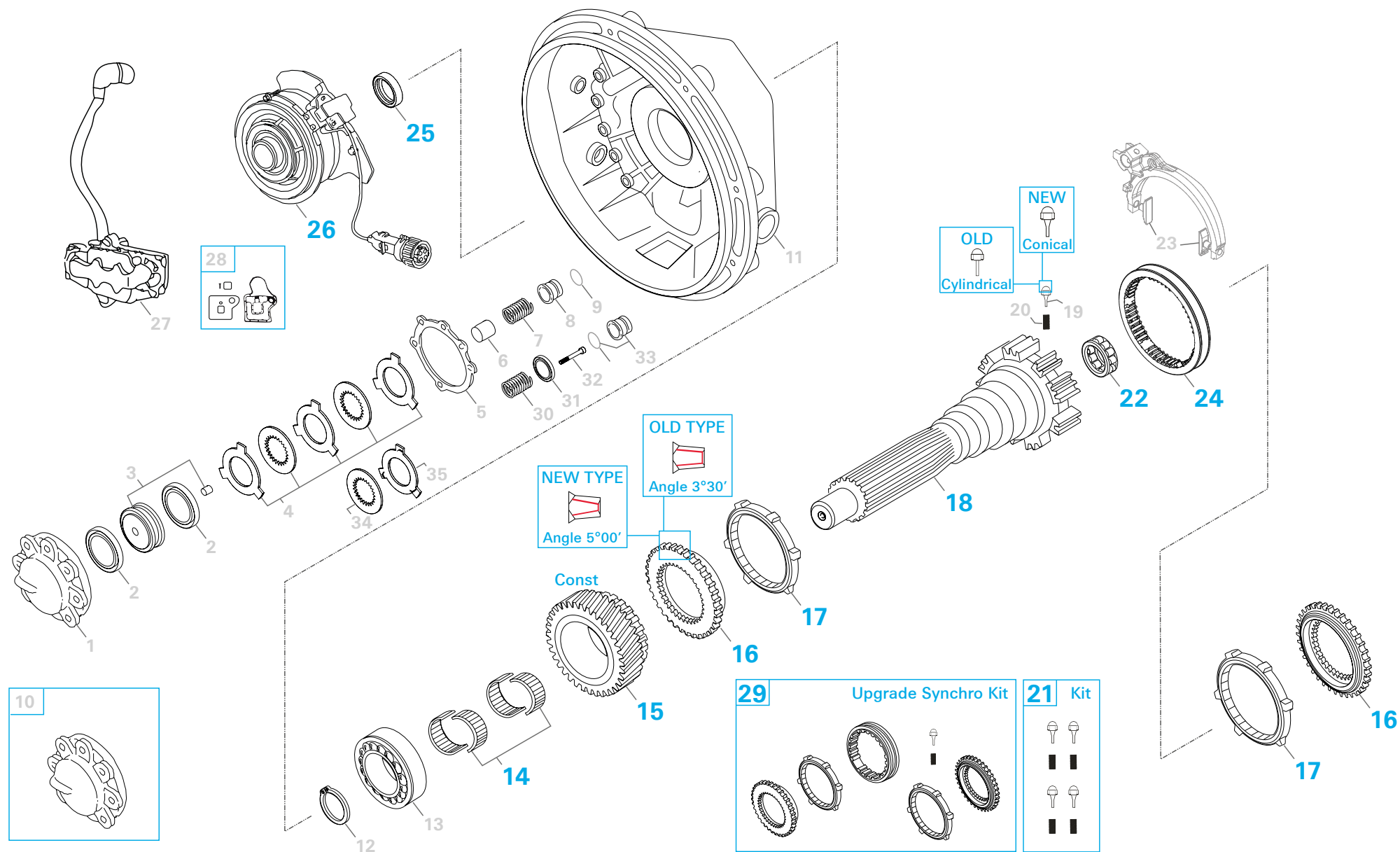


FIG.	AT2412 C-D-E-F	AT2512 C	AT2612 D-E-F	AT2812 C-D-E-F	AT03112 C-D-E-F	AT03512 D-E-F	ZF	VOLVO*	Description	Qty	Notes
14	■	■	■	■	■	■	0073.301.008	1654088	Needle Bearing, Transmission Input Shaft (Manual Transmission), 2PCS (92x100x27)	1	
15	■	■	■	■			0073.301.005	20776783	Constant Gear , Main Shaft (31-28T.)	1	
16	■	■	■	■	■	■	0073.301.025	1673541	(A) Synchro Cone, Speed Change Gear (54-28T.)	2	Old Type
16	■	■	■	■	■	■	0073.301.021	21994372	(B) Synchro Cone, Speed Change Gear (54-28T.)	2	New Type
17	■	■	■	■	■	■	0073.301.023	21992993	Synchronizer Ring, Manual Transmission	2	
18				■	■	■	0073.298.024	21753181	Repair Kit, Automatic Transmission	1	24 Splines with Kit Fig. 21
18	■	■	■				0073.301.017	22392450	Transmission Input Shaft, Manual Transmission w/Pins+Springs, 24 Splines	1	With Kit Fig. 21
18		■	■				0073.301.108	20771700	Transmission Input Shaft, Manual Transmission w/Pins+Springs, 24 Splines	1	With Kit Fig. 21
21	■						0073.298.028	21141850	Repair Kit, Automatic Transmission Pins+Springs	1	
22	■	■	■	■	■	■	0073.301.009	1656116	Bearing, Transmission Input Shaft (Manual Transmission) (40x38)	1	
24	■	■	■	■	■	■	0073.301.024	1673540	(A) Gearshift Sleeve, Manual Transmission (54T.)	1	Old Type
24	■	■	■	■	■	■	0073.301.020	21994373	(B) Gearshift Sleeve, Manual Transmission (54T.)	1	New Type
25	■	■	■	■	■	■	0073.301.012	20483426	Seal, Trans. Input Shaft (Manual Transmission) (57,5x13x90/99)	1	
26	■	■	■	■	■	■	6482.000.155	23417523	Central Slave Cylinder, Clutch, not in connection with DMF	1	
29		■	■	■	■	■	0073.298.028	21671426	(B) Repair Kit, Automatic Transmission	1	New Type

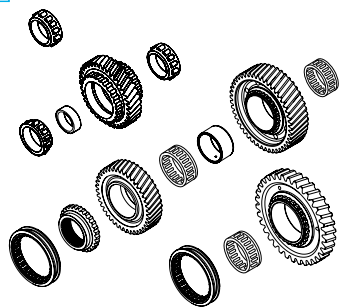
* Please see webcat.zf.com for complete list of ex numbers.

(A) To be coupled together (Version with 3° 30' Conical Angle)

(B) To be coupled together (Version with 5° 00' Conical Angle)

CHART 02 Mainshaft

28 Full Repair Kit



29 Full Repair Kit

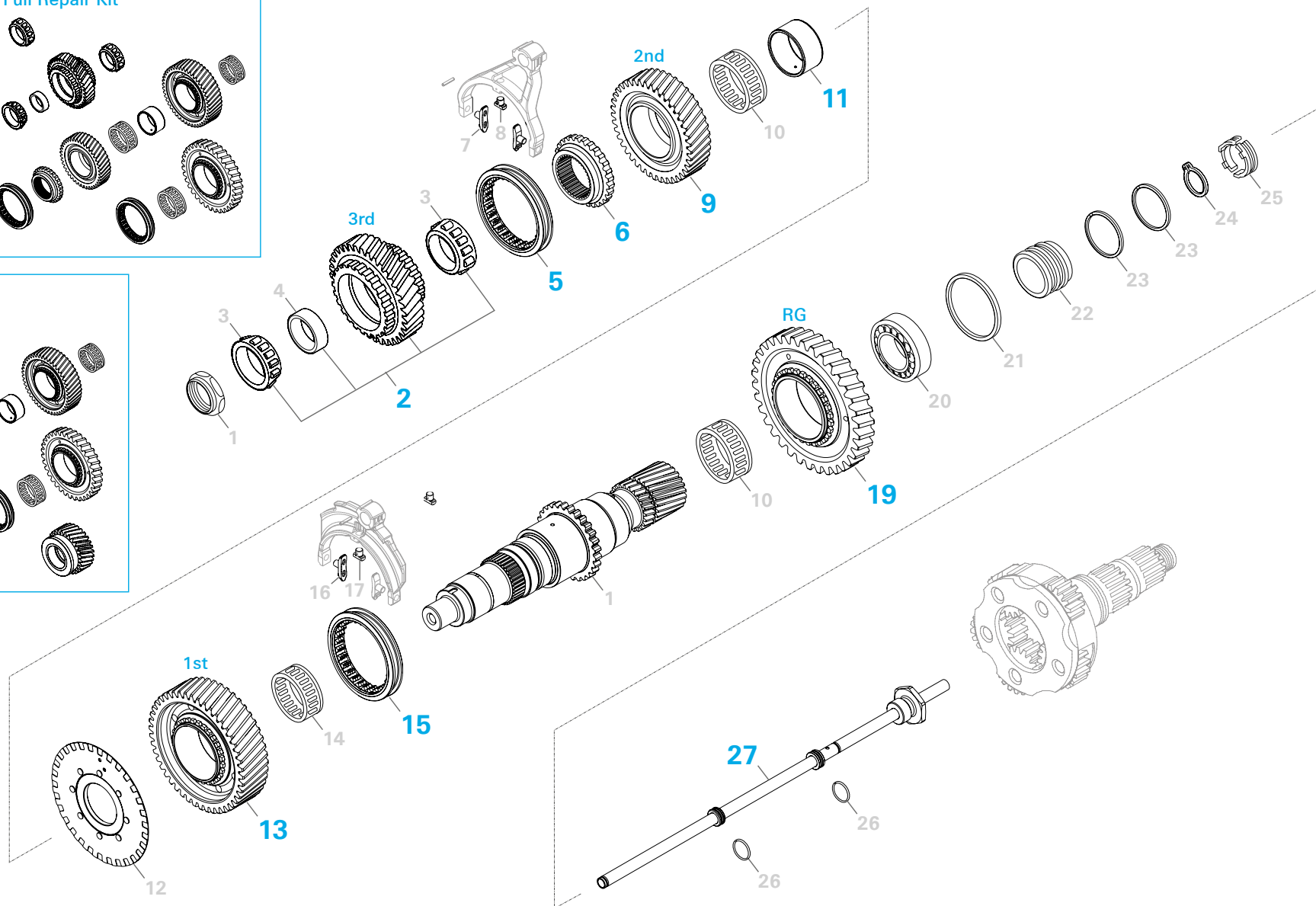
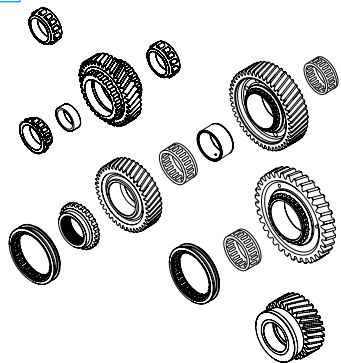


FIG.	AT2412 C-D-E-F	AT2512 C	AT2612 D-E-F	AT2812 C-D-E-F	AT03112 C-D-E-F	AT03512 D-E-F	ZF	VOLVO*	Description	Qty	Notes
2	■	■	■	■	■	■	0073.201.001	22499139	3rd Gear, Main Shaft (28-35T.)	1	Kit Includes Fig. 3 & 4
3								1521596	Tapered Roller Bearing (65x34)	2	Available with Kit Fig. 2
4								1521657	Spacer (T.10,26)	1	Available with Kit Fig. 2
5	■	■	■	■	■	■	0073.301.019	22368562	Gearshift Sleeve, Manual Transmission (28T.)	1	
6	■	■	■	■	■	■	0073.301.018	20532220	Synchronizer Body, Manual Transmission (28-37T.)	1	
9	■	■	■	■	■	■	0073.301.001	22219285	2nd Gear, Main Shaft (28-41T.)	1	
11	■	■	■	■	■	■	0073.301.032	1652578	Synchronizer Ring, Manual Transmission (90x80x46,2)	1	
13	■	■	■	■	■	■	0073.301.109	21979816	1st Gear, Main Shaft (28-46T.)	1	
15	■	■	■	■	■	■	0073.301.019	22368562	Gearshift Sleeve, Manual Transmission (28T.)	1	
18	■	■	■	■	■	■	0073.301.016	20739229	Main Shaft, Manual Transmission (23-23-28-37T.)	1	
19	■	■	■	■	■	■	0073.301.003	22763347	Pulley, Reverse Gear (28-34T.)	1	
27	■	■	■	■	■	■	0073.301.011	21016548	Oil Pipe, Oil Distributor Shaft Planetary Gearbox	1	
28	■	■	■	■	■	■	0073.298.038	21671433	Repair Kit, Automatic Transmission	1	
29	■	■	■	■	■	■	0073.298.026	22523891	Repair Kit, Automatic Transmission	1	

* Please see webcat.zf.com for complete list of ex numbers.

CHART 03
Countershaft & RG

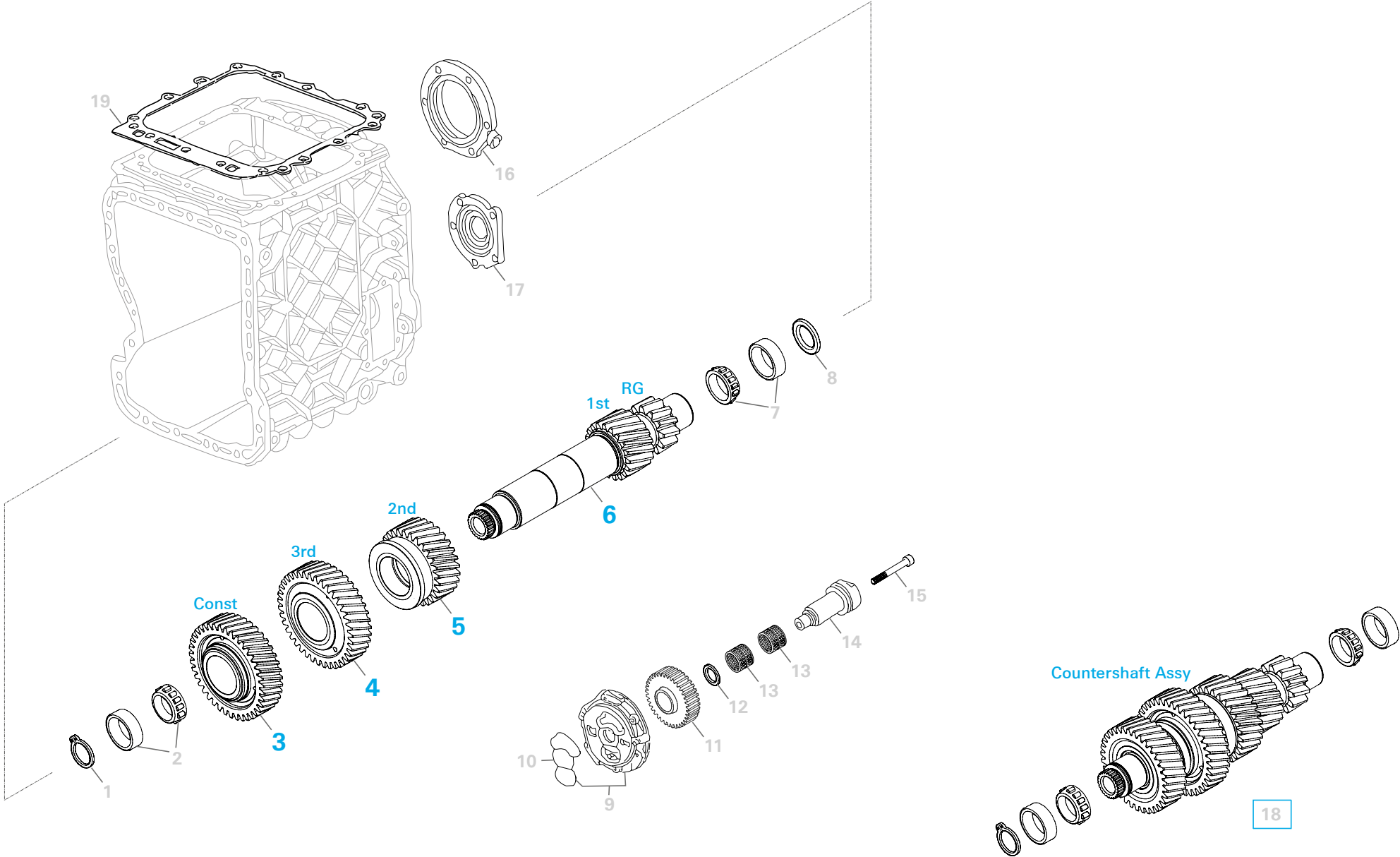
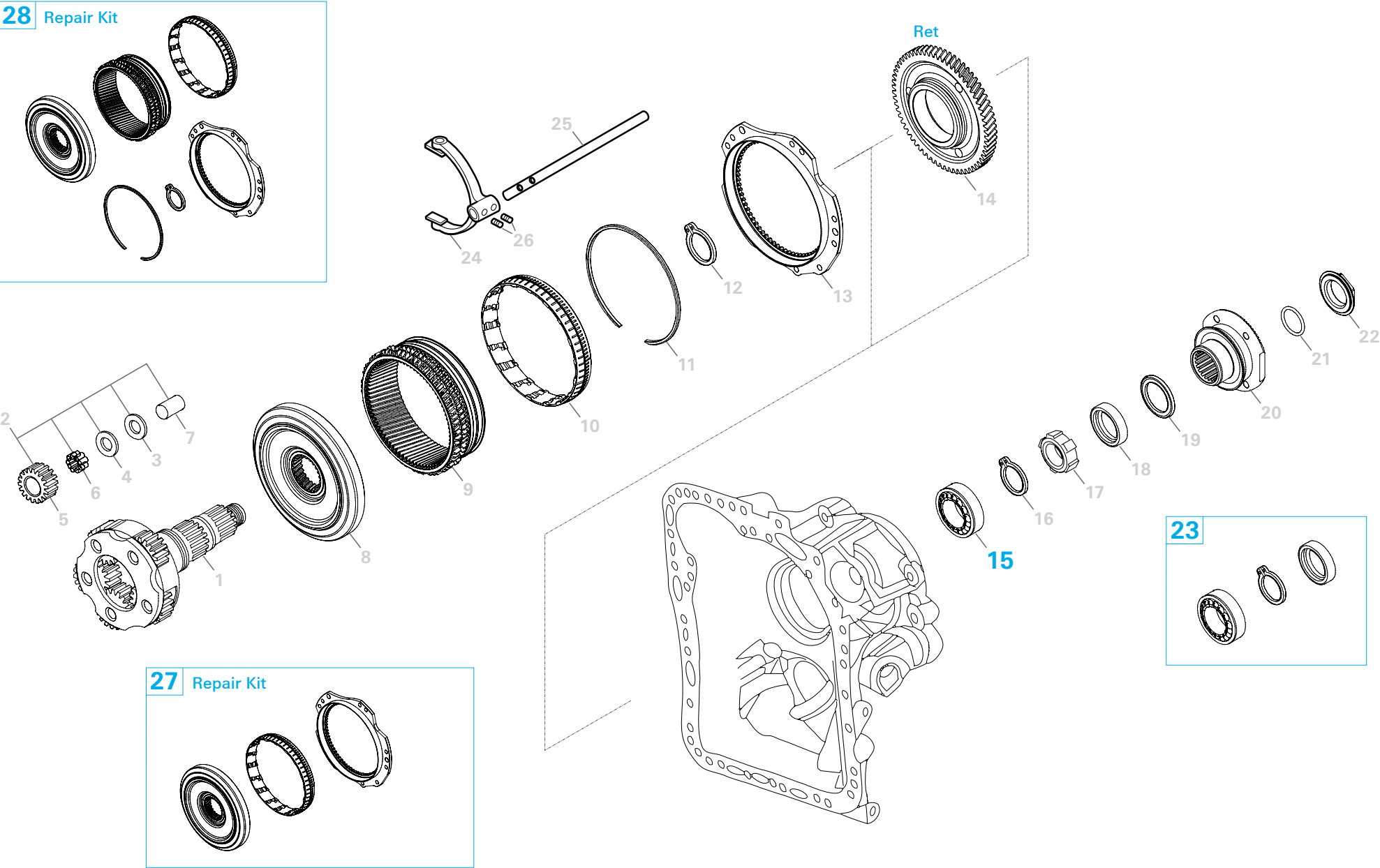


FIG.	AT2412 C-D-E-F	AT2512 C	AT2612 D-E-F	AT2812 C-D-E-F	ATO3112 C-D-E-F	ATO3512 D-E-F	ZF	VOLVO*	Description	Qty	Notes
3	■	■	■	■			0073.301.006	1521913	Constant Gear, Countershaft (44T.)	1	
4	■	■	■	■	■	■	0073.301.002	20483434	3rd Gear, Countershaft (39T.)	1	
5	■	■	■	■	■	■	0073.301.004	22219353	2nd Gear, Countershaft (28T.)	1	
6		■	■	■	■	■	0073.301.014	20544785	Countershaft, Manual Transmission (19-12T.)	1	AT2512C
6	■	■	■				0073.301.015	20544787	Countershaft, Manual Transmission (19-12T.)	1	ATO2512C

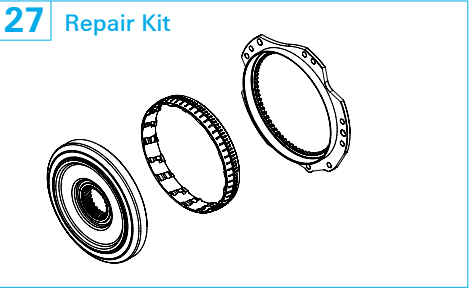
* Please see webcat.zf.com for complete list of ex numbers.

CHART 04
Reduction Unit (GP)

28 Repair Kit



27 Repair Kit



23

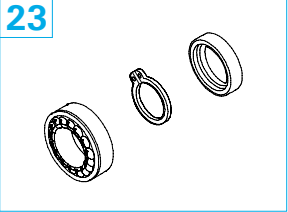
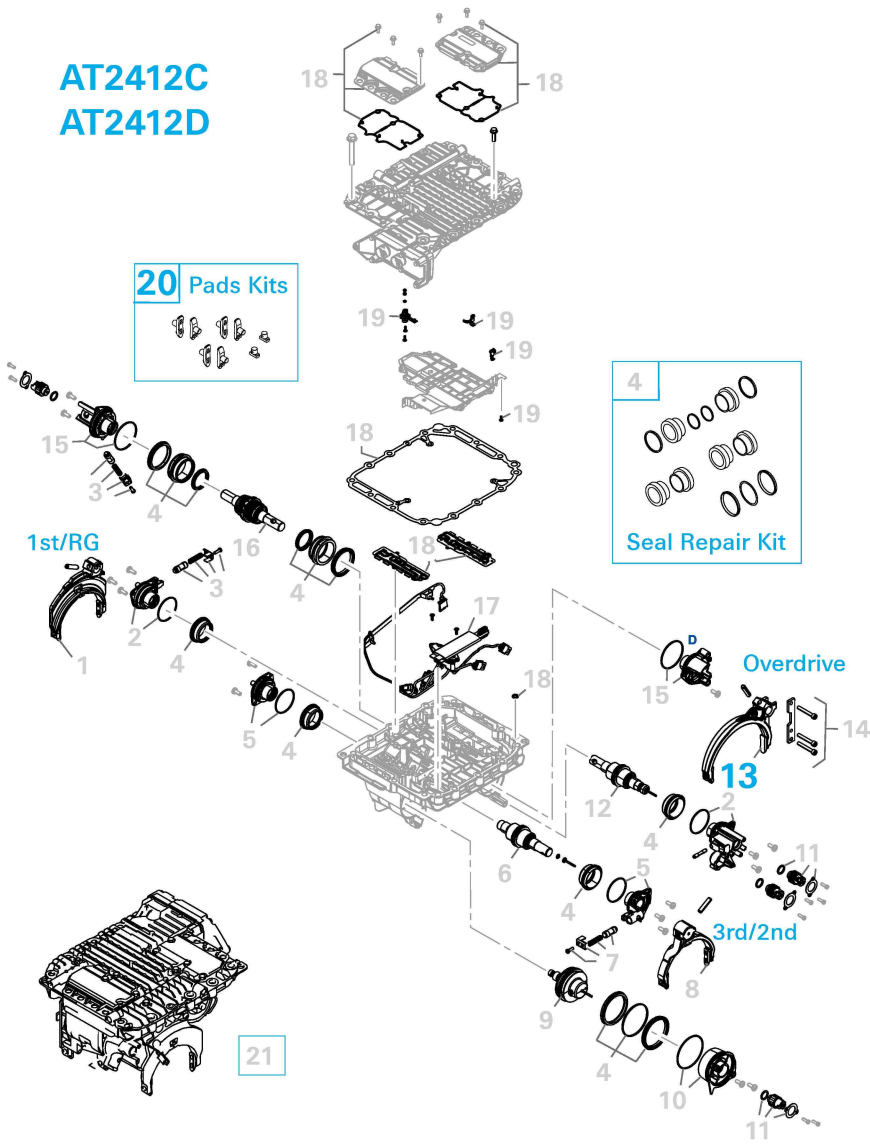


FIG.	AT2412 C-D-E-F	AT2512 C	AT2612 D-E-F	AT2812 C-D-E-F	AT03112 C-D-E-F	AT03512 D-E-F	ZF	VOLVO*	Description	Qty	Notes
13		■		■	■	■	0073.301.022	21482847	Synchronizer Cone, Speed Change Gear (72T.)	1	(Q)
15	■		■	■	■	■	0073.301.010	21170624	Bearing, Transmission Output Shaft (Manual Transmission) (70x140x26)	1	Old (#)
20		■		■	■	■	0073.301.013	22238212	Output Flange, Automatic Transmission	1	
23	■		■	■	■	■	0073.298.016	21008411	Repair Kit, Automatic Transmission	1	Old (#)
23	■		■	■	■	■	0073.298.031	21008412	Repair Kit, Automatic Transmission	1	
27	■		■	■	■	■	0073.298.020	21768926	Repair Kit, Automatic Transmission	1	W/Out Retarder
27	■		■	■	■	■	0073.298.019	21768927	Repair Kit, Automatic Transmission	1	With Retarder
28	■		■	■	■	■	0073.298.027	21671435	Repair Kit, Automatic Transmission W/Out Retarder	1	W/Out Retarder

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CHART 05
Forks

AT2412C
AT2412D



AT2412E
AT2412F

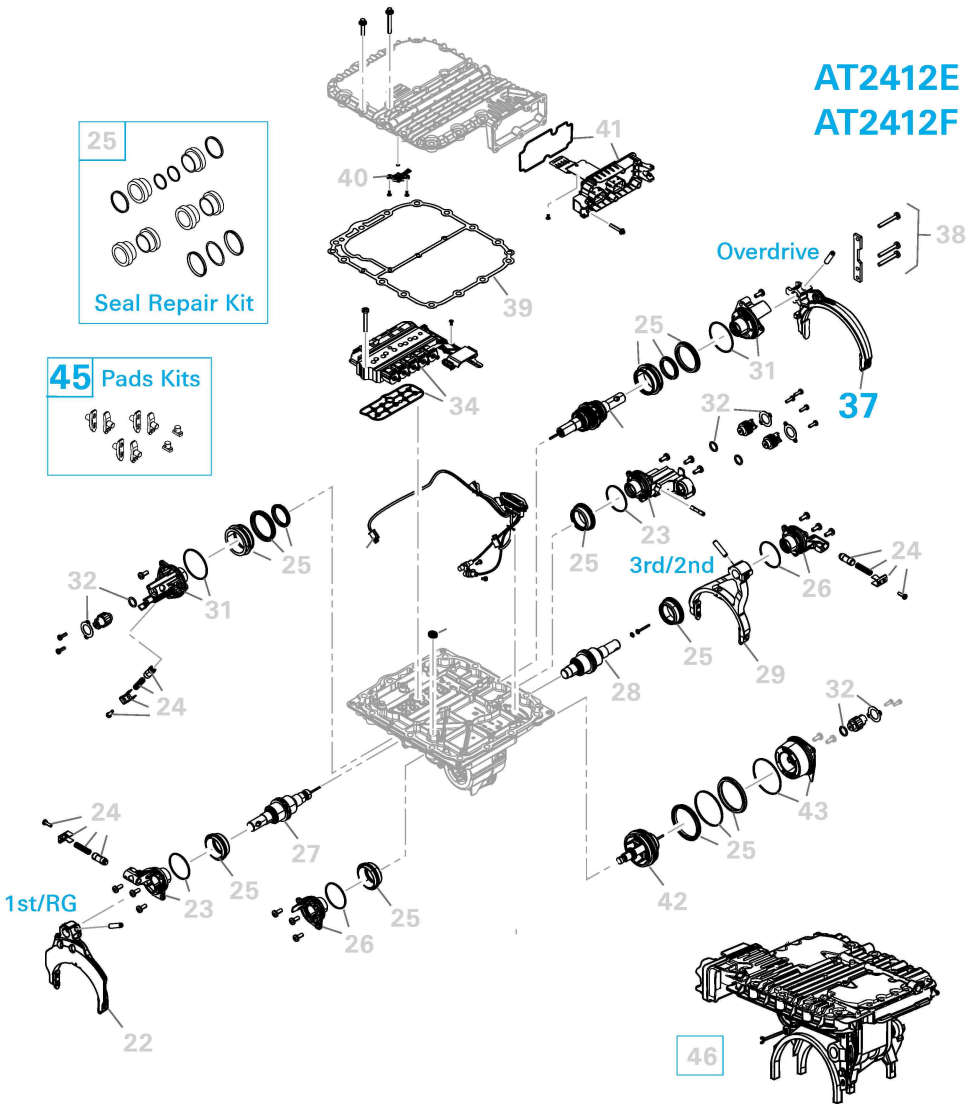
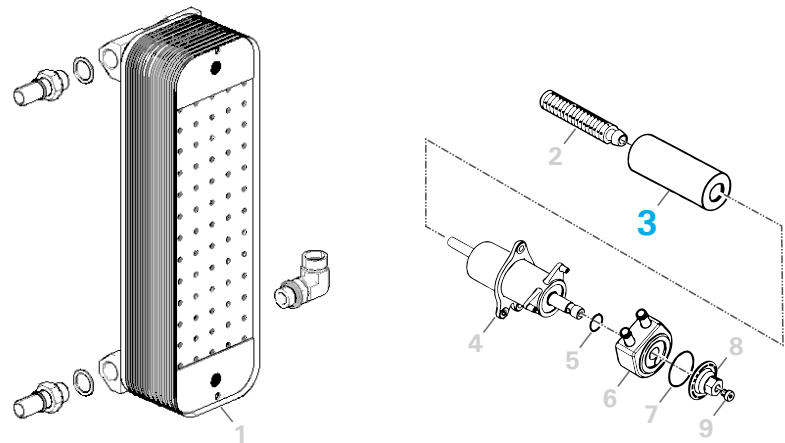


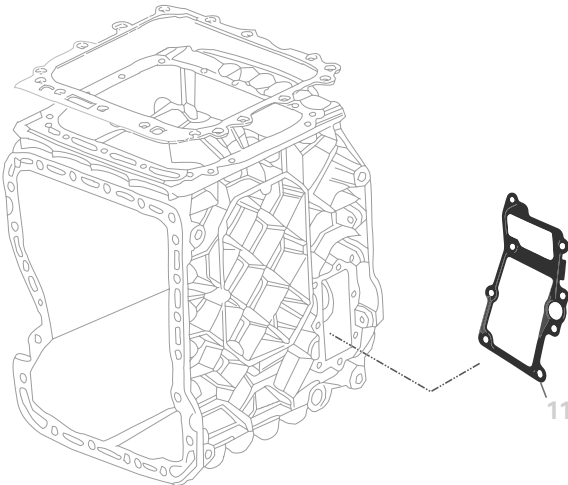
FIG.	AT2412 C-D-E-F	AT2512 C	AT2612 D-E-F	AT2812 C-D-E-F	AT03112 C-D-E-F	AT03512 D-E-F	ZF	VOLVO*	Description	Qty	Notes
13	■	■	■	■	■	■	0073.301.026	21511649	Shift Fork Overdrive	1	
20	■	■	■	■	■	■	0073.298.023	20562628	Repair Kit, Automatic Transmission, Pins + Sliding Block	1	Old Type with Slide D.11,00 mm
20	■	■	■	■	■	■	0073.298.025	20968999	Repair Kit, Automatic Transmission, Pins + Sliding Block	1	New Type with Slide D.12,00 mm
37	■		■	■	■	■	0073.301.026	21511649	Shift Fork Overdrive	1	
45	■		■	■	■	■	0073.298.025	20968999	Repair Kit, Automatic Transmission, Pins + Sliding Block	1	

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CHART 06
Miscellaneous Parts



Oil Cooler Components



Side Housing Gasket

Retarder Oil Cooler

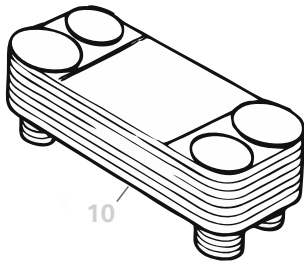


FIG.	AT2412 C-D-E-F	AT2512 C	AT2612 D-E-F	AT2812 C-D-E-F	AT03112 C-D-E-F	AT03512 D-E-F	ZF	VOLVO*	Description	Qty	Notes
3	■	■	■	■	■	■	5961.307.908	21479106	Oil Filter Kit		

* Please see webcat.zf.com for complete list of ex numbers.

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