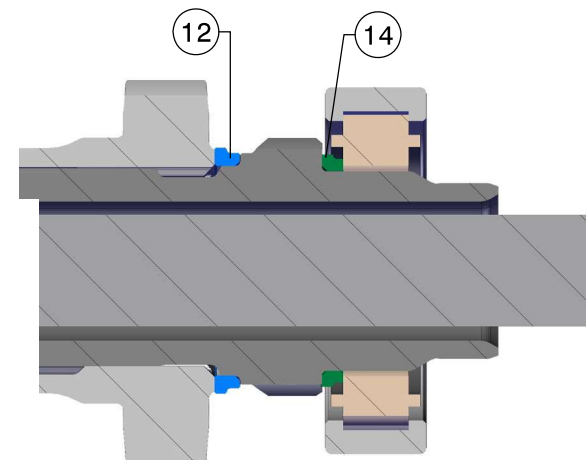
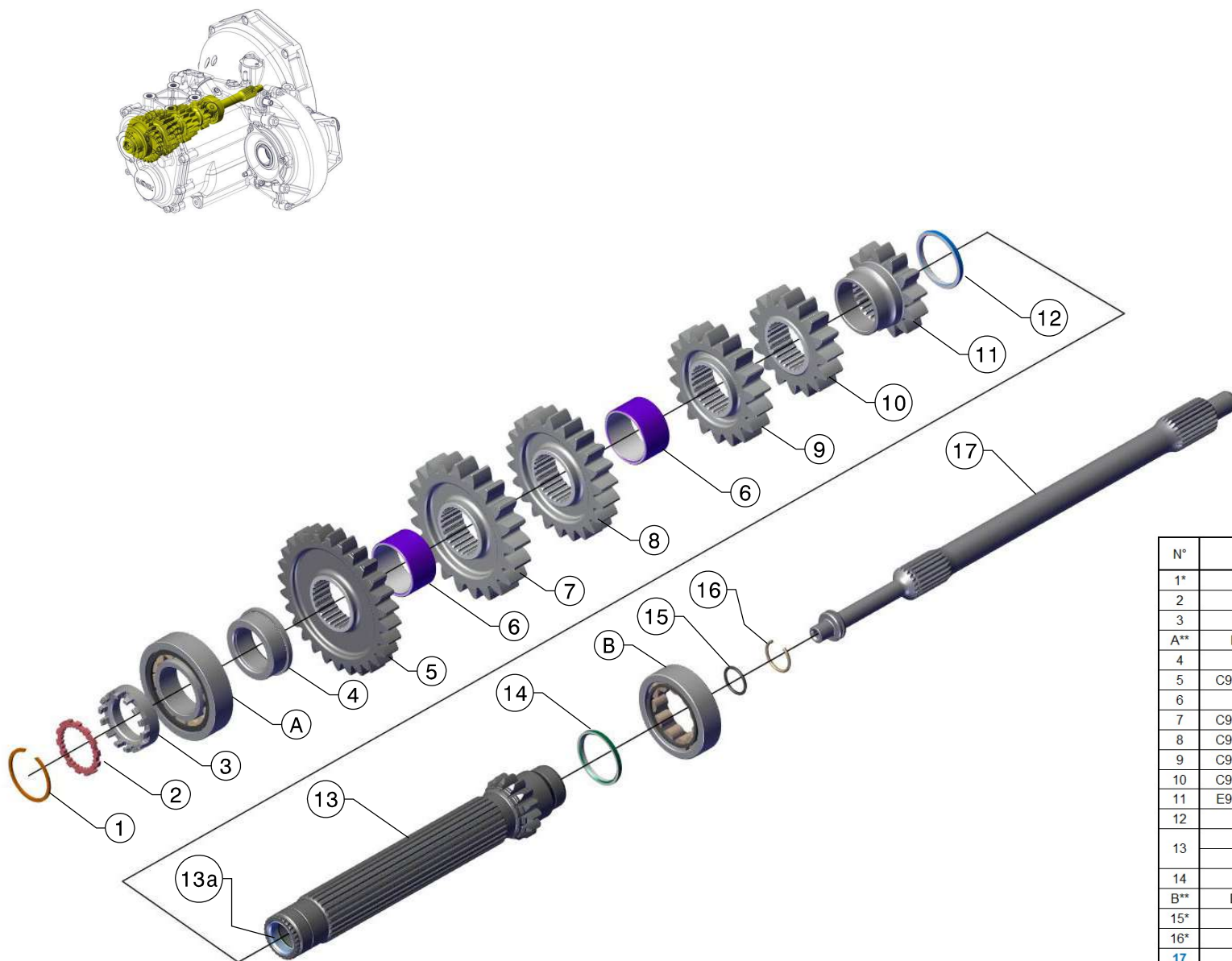


1 Primary Geartrain



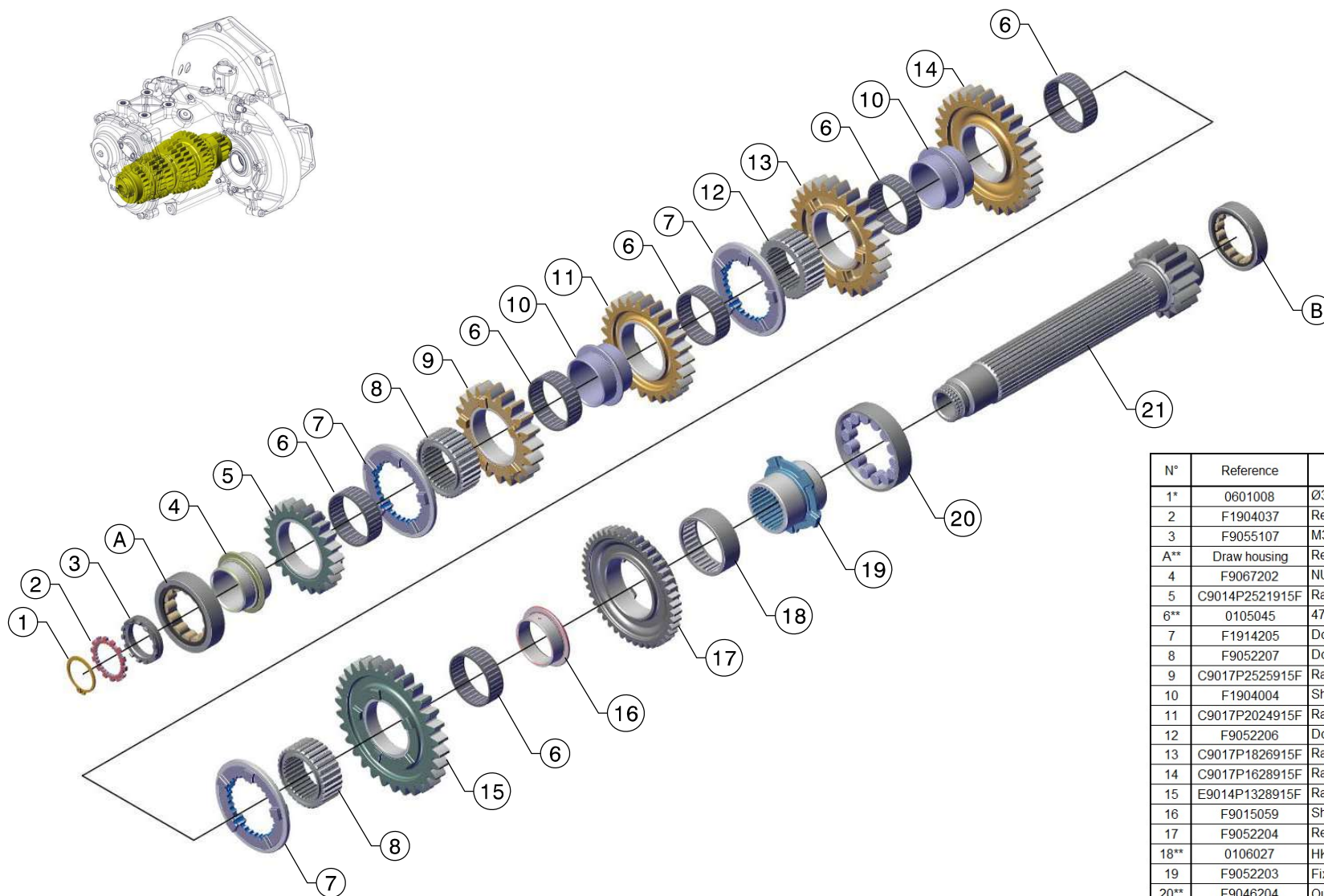
WARNING: direction of shim N° 12 and 14

N°	Reference	Description	Qty.	Glue	Torque (N.m)
1*	9907079	BR37 spring ring	1		
2	F9037105	Primary retaining washer	1		
3	F9052227	M32 X150 Nut	1	C.G	180
A**	Draw housing	Fitting rear housing	1		
4	F9052112	Ring bushing	1		
5	C9014P2521915F	Ratio 25 / 21 "6th"	1		
6	F9033002	Primary spacer	2		
7	C9017P2525915F	Ratio 25 / 25 "5th"	1		
8	C9017P2024915F	Ratio 20 / 24 "4th"	1		
9	C9017P1826915F	Ratio 18 / 26 "3rd"	1		
10	C9017P1628915F	Ratio 16 / 28 "2nd"	1		
11	E9014P1328915F	Ratio 13/28 "1st"	1		
12	F9046103	Shim	1		
13	F9067101	Primary shaft	1		
	F9067103	a Shrink ring	1		
14	F9046102	NU305 shim	1		
B**	Draw housing	Fitting main housing	1		
15*	0202075	Ø 17 x 2 Viton o'ring	1		
16*	F9046602	Ø 19,5 x 2 Snap ring	1		
17	F9067600	Clutch shaft	1		

(*) parts included in the rebuilt kits :KITREVST901702

(**) parts included in the kits bearing :KITRLTST901702

2 Secondary Geartrain

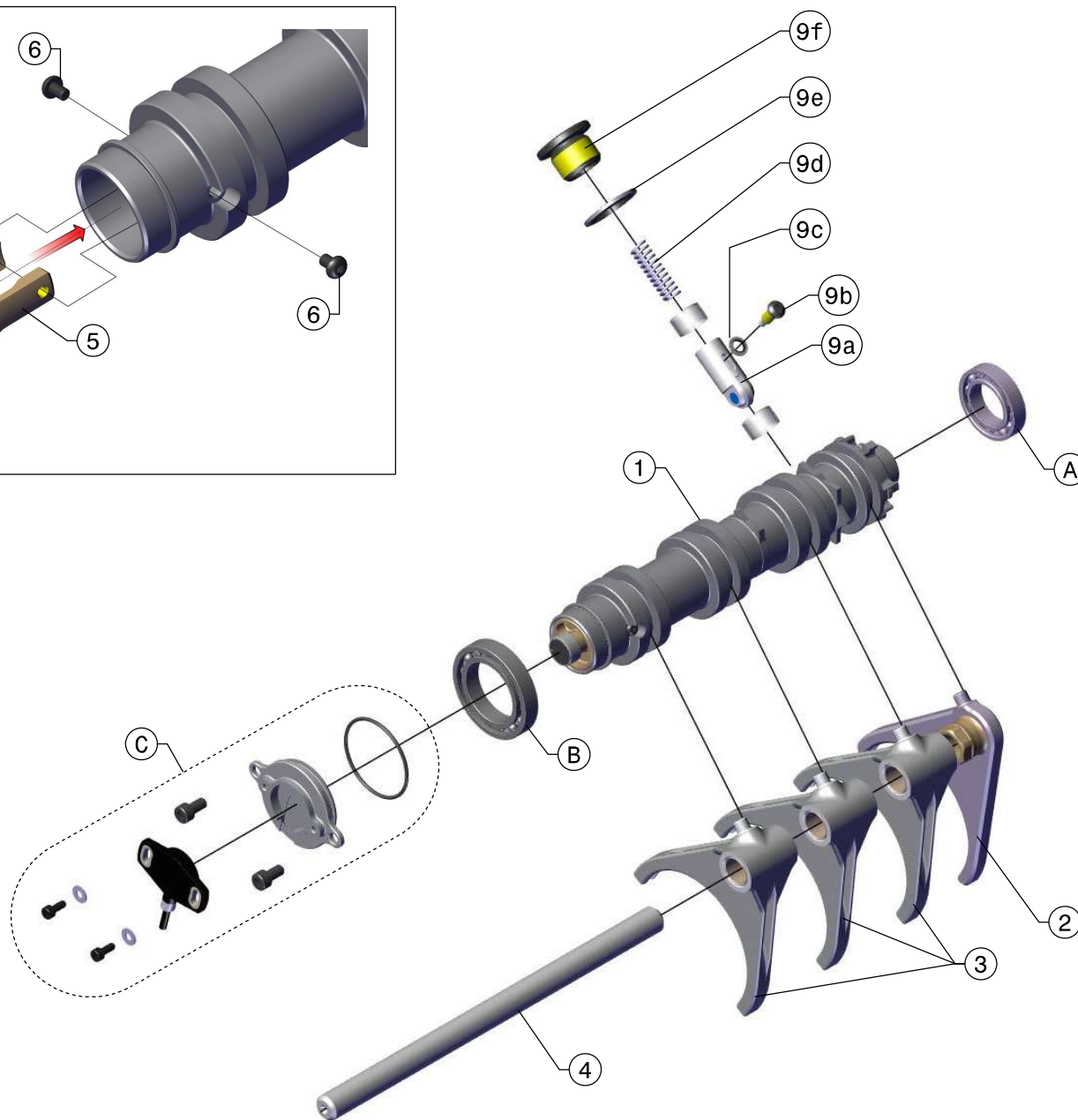
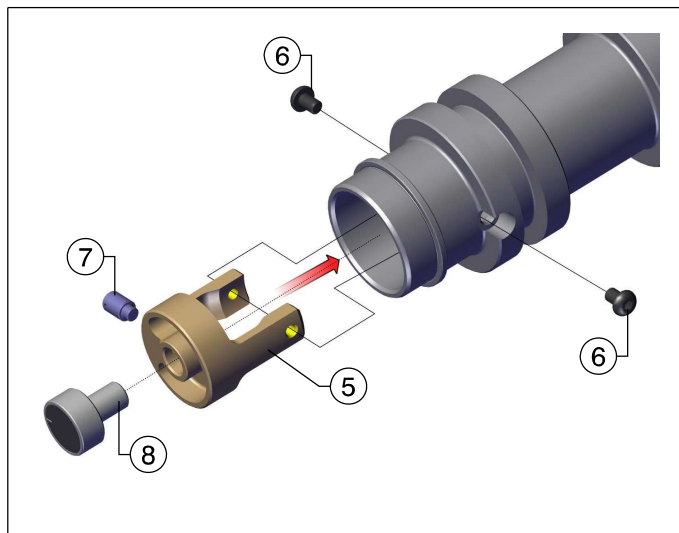
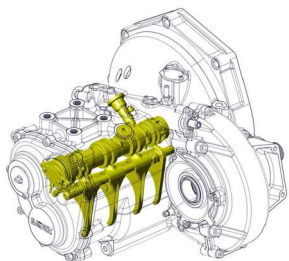


N°	Reference	Description	Qty.	Glue	Torque (N.m)
1*	0601008	Ø32 outer circlips	1		
2	F1904037	Retaining washer	1		
3	F9055107	M34 x 150 nut "left thread "	1	C.G	180
A**	Draw housing	Rear housing	1		
4	F9067202	NU207 inner bushing	1		
5	C9014P2521915F	Ratio 25 / 21 "6th"	1		
6**	0105045	47 x 52 x 17 Bearing	6		
7	F1914205	Dog ring "5 claw"	3		
8	F9052207	Dog ring hub	2		
9	C9017P2525915F	Ratio 25 / 25 "5th"	1		
10	F1904004	Shoulder bushing	2		
11	C9017P2024915F	Ratio 20 / 24 "4th"	1		
12	F9052206	Dog ring hub	1		
13	C9017P1826915F	Ratio 18 / 26 "3rd"	1		
14	C9017P1628915F	Ratio 16 / 28 "2nd"	1		
15	E9014P1328915F	Ratio 13/28 "1st"	1		
16	F9015059	Shoulder bushing 1st gear	1		
17	F9052204	Reverse gear	1		
18**	0106027	HK 50/20 Bearing	1	648	
19	F9052203	Fixed dog ring for reverse gear shaft	1		
20**	F9046204	Outer ring NJ208	1		
21	F9067205	Secondary shaft 15 teeth (15x58)	1		
B**	Draw housing	Fitting main housing	1		

(*) parts included in the rebuilt kits :KITREVST901702

(**) parts included in the kits bearing :KITRLTST901702

3 Internal selector

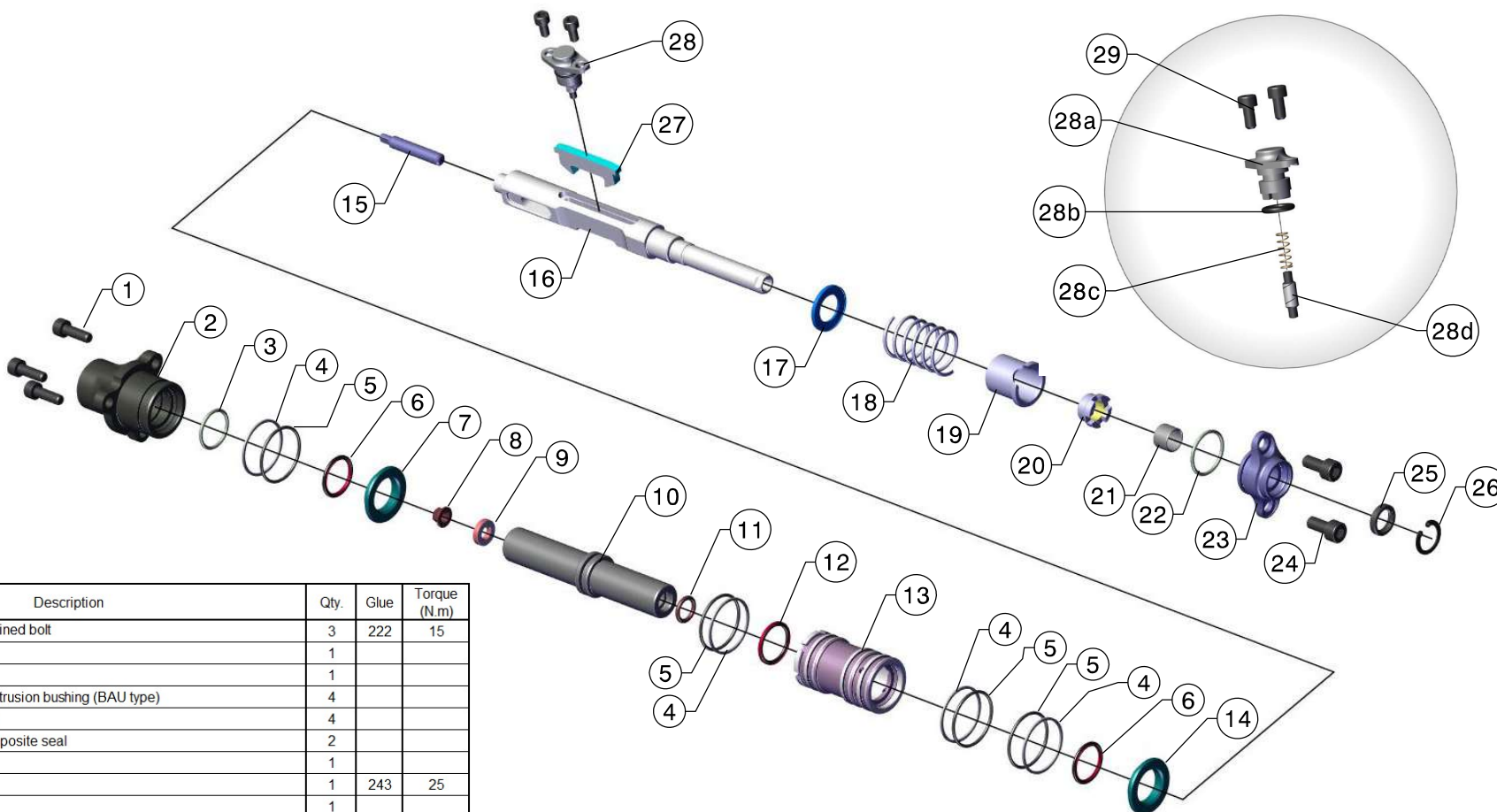
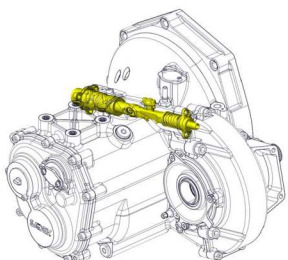


N°	Reference	Description	Qty.	Glue	Torque (N.m)
A**	Draw housing	Fitting main housing	1		
1	F9067400	Barrel	1		
B**	Draw housing	Fitting rear housing	1		
2	F9067409	Reverse fork	1		
3	F9067413	Forks	3		
4	F1910408	Forks axle	1		
5	F9058407	Potentiometer support	1		
6	0308055	BHC M4 x 6 cl 10.9 Bolt	2	243	10
7	0302068	HC M6 x 10 dog point screw	1	243	
8	F0089079	Sensor magnet (Not dissociable the sensor)	1		
9	F90464171	Complete indexor	1		
	F90464172	a Indexor	1		
	F9046418	b Rotation stop bolt	1	577	
	0599061	c* BS-6 (6,6 x 11 x 1) Seal washer	1		
	0801046	d 1,5 x 9,7 x 47 Spring	1		
	0203059	e* BS-24 (24,7 x 33 x 2) Seal washer	1		
	F9046419	f Indexor plug	1	C.G	55
C	Draw housing	Fitting rear housing	1		

(*) parts included in the rebuilt kits :KITREVST901702

(**) parts included in the kits bearing :KITRLTST901702

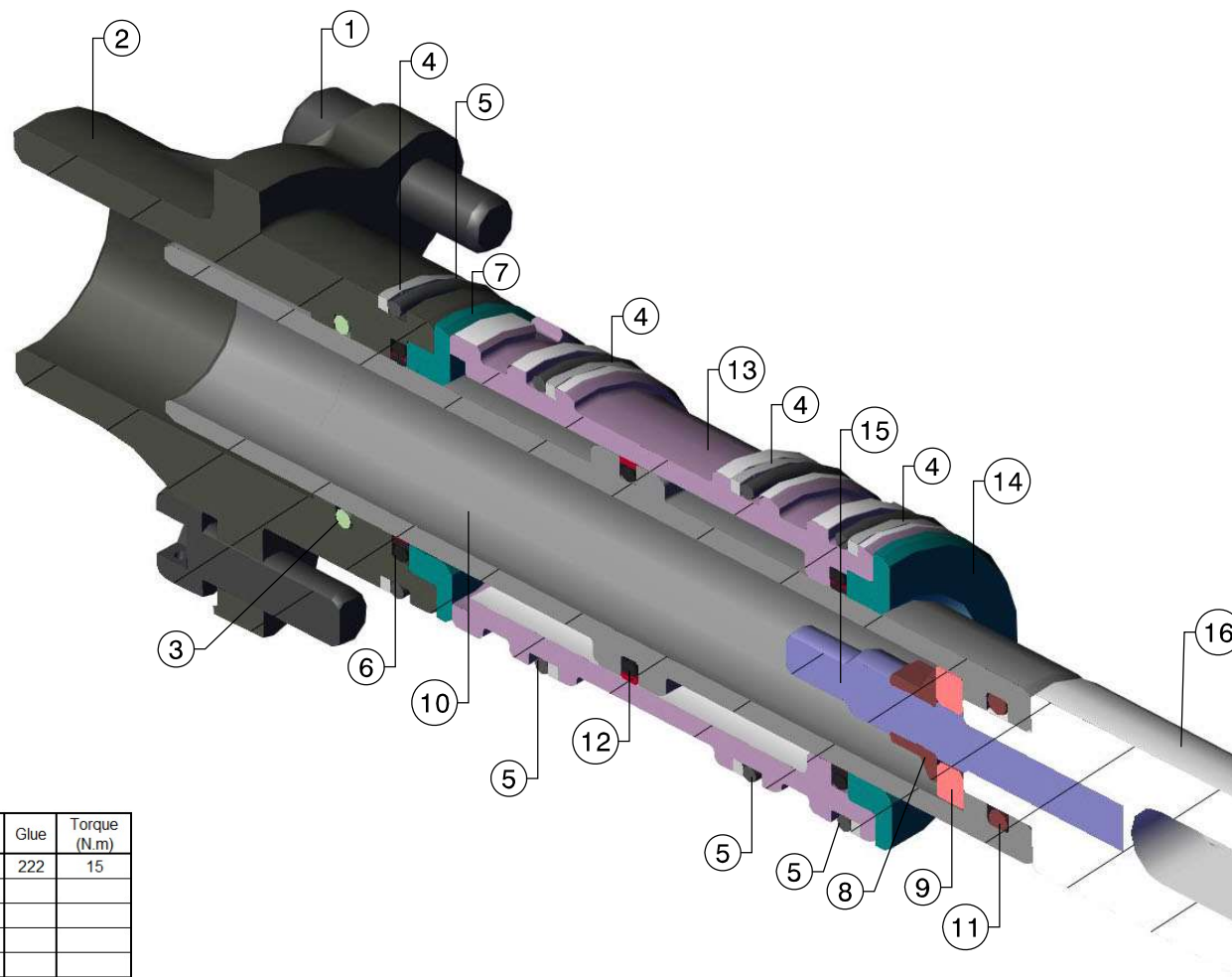
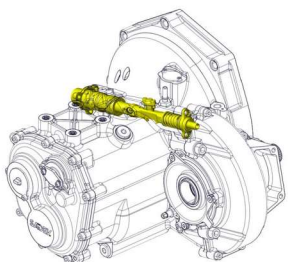
3a Selector axle



N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F9046431	CHC M6x18 cl12,9 ZN macined bolt	3	222	15
2	F9046411	Piston closing plate	1		
3***	0202019	Ø 20 x 2 Viton O'ring	1		
4***	0299045	Ø 30 P10 right-hand anti-extrusion bushing (BAU type)	4		
5***	0202020	Ø 29,87 x 1,78 Viton o'ring	4		
6***	0299044	Ø 19,9 x 24,8 x 2,2 bar composite seal	2		
7	F9046410	closing plate	1		
8***	0499004	M7 Simmonds nut	1	243	25
9	F9046405	Piston spacer	1		
10	F9046407	Piston	1		
11***	0202021	Ø 11 x 2,5 Viton O'ring	1		
12***	0299043	Ø 25 x 20,1 x 2,2 piston composite seal	1		
13	F9046408	Sleeve	1		
14	F9046409	closing plate	1		
15	F9046402	Command shaft stud	1		
16	F9046434	Selector axle	1		
17	F9058408	Selector washer	1		
18	0801086	ST82-14 - 9,89 DaN Spring	1		
19	F9046443	Selector shoulder bushing	1		
20	F9046440	Screw M13 x 100	1	243	55
21	1202015	EGB1210-E40 Permaglide Bushing	1		
22*	0202096	Ø 23 x 2 Viton O'ring	1		
23	F9067405	Selector closing block	1		
24	0301373	CHC M7 x 16 cl 10.9 Bolt	2	222	22

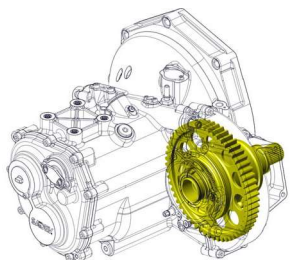
N°	Reference	Description	Qty.	Glue	Torque (N.m)
25*	0204036	Ø 12 x 18 x 4 Viton o'ring	1		
26*	0602049	Ø19 Inner circlip	1		
27	F9046403	Dual pin rock	1		
28	F14044032	Complete dual pin rock pusher	1		
	F1404403	a Dual pin rock pusher	1		
	0201017	b* Ø 10 x 2,5 O'ring	1		
	0801026	c* 0,6 x 5,5 x 15,5 Spring	1		
	F9049071	d Pusher	1		
29	0301513	CHC M5 x 10 cl 12.9 Bolt	2	222	8
(*) parts included in the rebuilt kits :KITREVST901702					
(***) parts included in the rebuilt kits :KITREVST821402					

3a Selector axle section



N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F9046431	CHC M6x18 cl12,9 ZN macined bolt	3	222	15
2	F9046411	Piston closing plate	1		
3	0202019	Ø 20 x 2 Viton O'ring	1		
4	0299045	Ø 30 P10 right-hand anti-extrusion bushing (BAU type)	4		
5	0202020	Ø 29,87 x 1,78 Viton o'ring	4		
6	0299044	Ø 19,9 x 24,8 x 2,2 bar composite seal	2		
7	F9046410	closing plate	1		
8	0499004	M7 Simmonds nut	1	243	22
9	F9046405	Piston spacer	1		
10	F9046407	Piston	1		
11	0202021	Ø 11 x 2,5 Viton O'ring	1		
12	0299043	Ø 25 x 20,1 x 2,2 piston composite seal	1		
13	F9046408	Sleeve	1		
14	F9046409	closing plate	1		
15	F9046402	Command shaft stud	1	270	
16	F9046434	Selector axle	1		

4 Differential



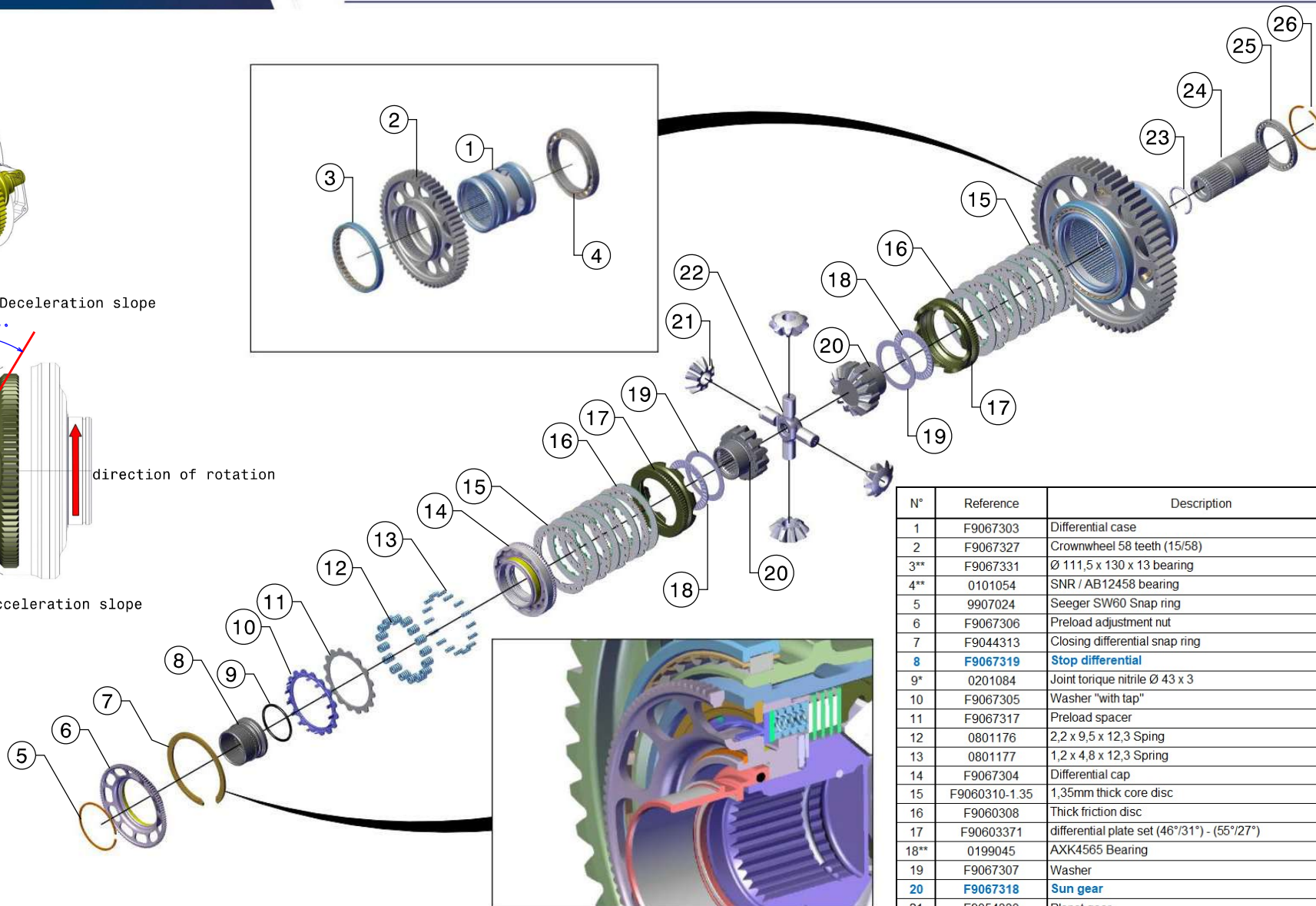
Deceleration slope

31°

direction of rotation

Acceleration slope

46°



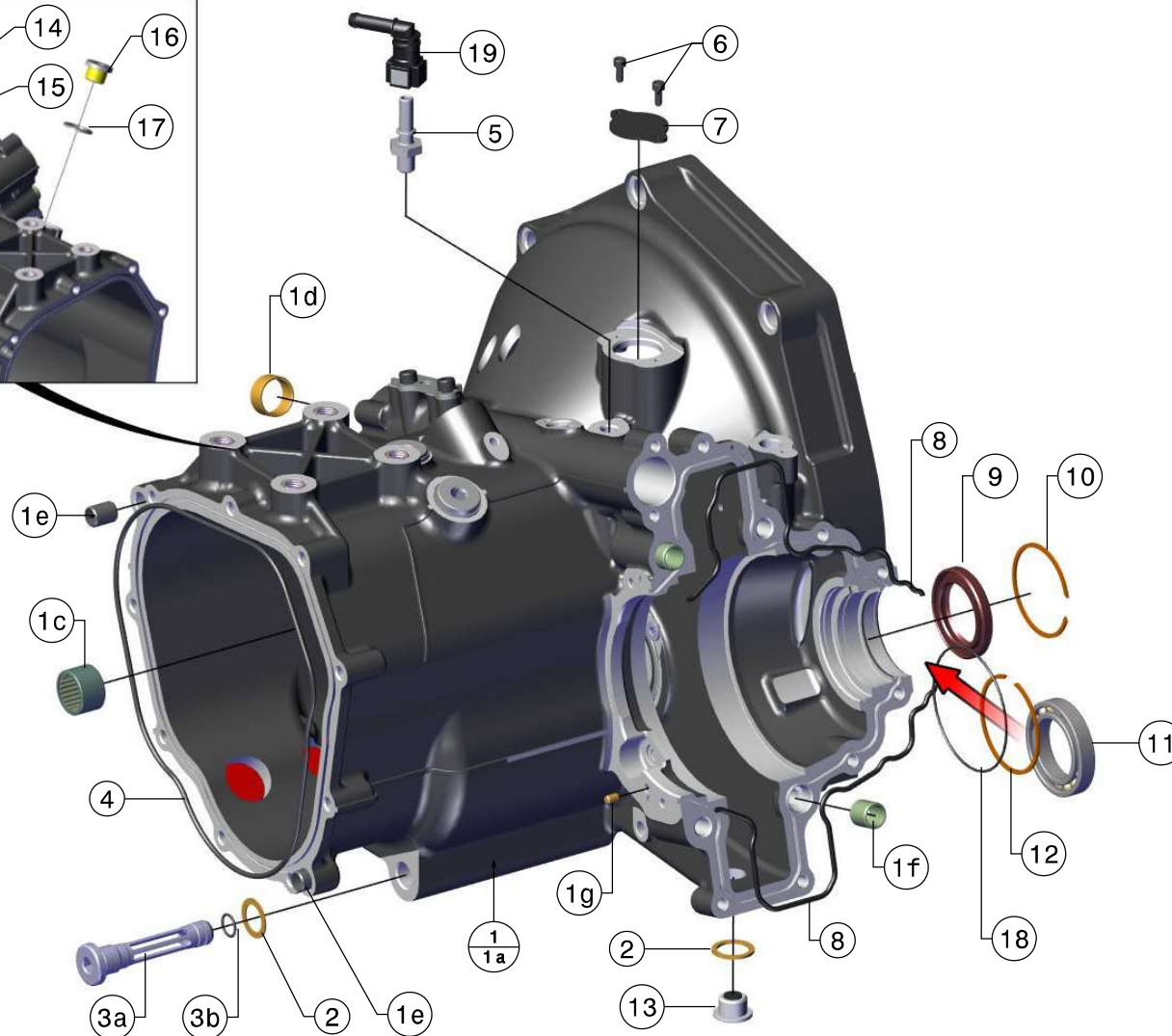
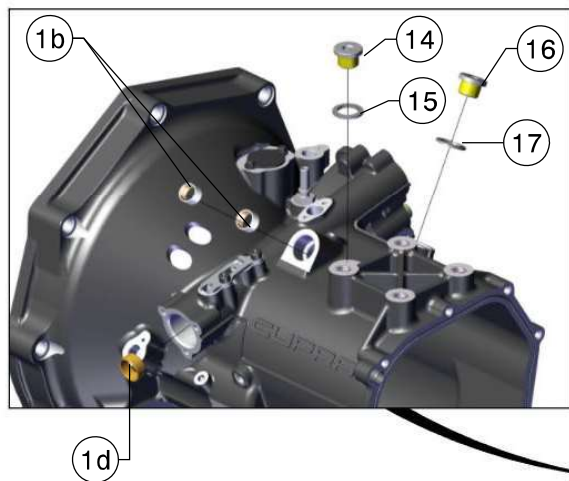
Rep7: sens de montage du circlips

N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F9067303	Differential case	1		
2	F9067327	Crownwheel 58 teeth (15/58)	1		
3**	F9067331	Ø 111,5 x 130 x 13 bearing	1		
4**	0101054	SNR / AB12458 bearing	1		
5	9907024	Seeger SW60 Snap ring	1		
6	F9067306	Preload adjustment nut	1		
7	F9044313	Closing differential snap ring	1		
8	F9067319	Stop differential	1		
9*	0201084	Joint torique nitrile Ø 43 x 3	1		
10	F9067305	Washer "with tap"	1		
11	F9067317	Preload spacer	1		
12	0801176	2,2 x 9,5 x 12,3 Spring	16		
13	0801177	1,2 x 4,8 x 12,3 Spring	16		
14	F9067304	Differential cap	1		
15	F9060310-1.35	1,35mm thick core disc	8		
16	F9060308	Thick friction disc	8		
17	F90603371	differential plate set (46°/31°) - (55°/27°)	1		
18**	0199045	AXK4565 Bearing	2		
19	F9067307	Washer	2		
20	F9067318	Sun gear	2		
21	F9054330	Planet gear	4		
22	F9053309	planet gear axle	2		
23*	F9045309	Ø 34 x 2,5 Snap ring	1		
24	F9067320	Arbre de sortie VW TCR 2020	1		
25**	0101121	61810 2RS1 Bearing	1		
26	9907028	Seeger SW50 Snap ring	1		

(*) parts included in the rebuilt kits :KITREVST901702

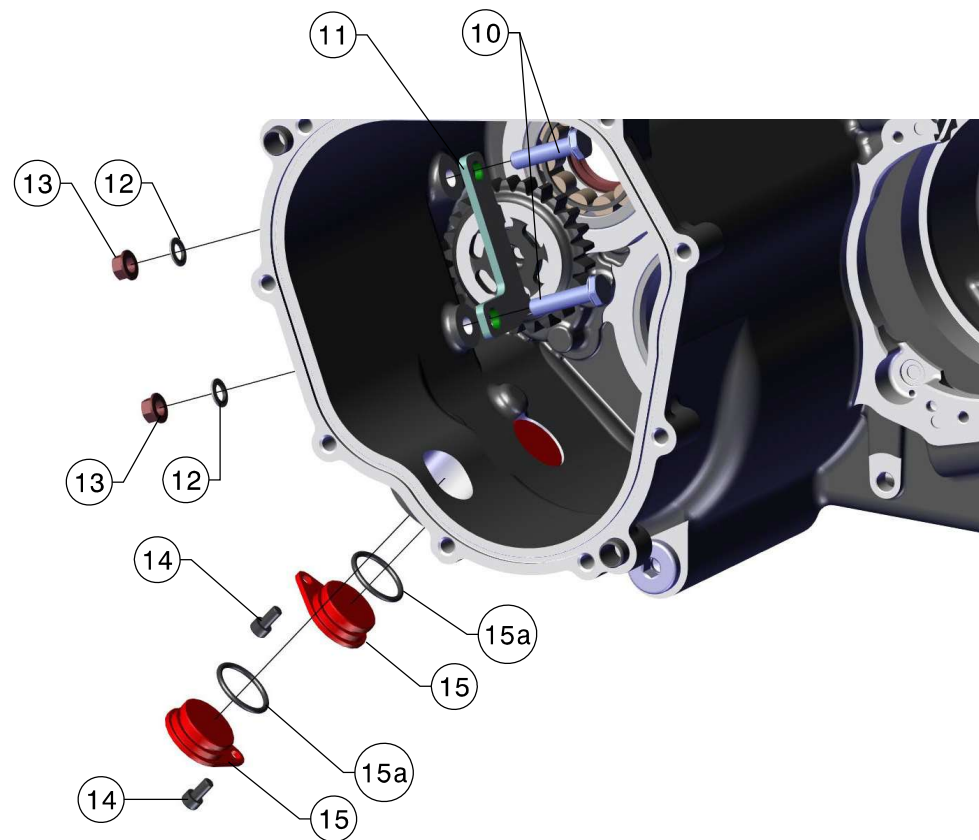
(**) parts included in the kits bearing :KITRLTST901702

5a Main housing



N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F90670271	Main housing assembly	1		
	F90670271	a Main housing assembly	1		
	1202030	b EGB1610-E40 Permaglide bushing	2	648	
	0106021	c** HK 20/16 Needle bearing	1	648	
	1202028	d EGB2010-E40 permaglide bushing	1	648	
	F0077229	e Ø12 x 15 Center pin	2		
	F9004306	f Ø15 x 16 Center pin	2		
	F9002035	g Ø5 Center pin	1		
2*	0599002	16,1 x 23 x 1 Copper washer	1		
3	F90460131	Suction screen assembly	1		
	F9046013	a Suction screen	1		
	0202080	b* Ø 11 x 1,5 Viton o'ring	1		
4*	0201110	Ø 200 x 3 O'ring	1		
5	F9022106	Venting fitting	1	542	
6	0301512	CHc M4 x 10 cl 12.9 ZN HK screw	2		
7	F9067010	Bouchon capteur embrayage	1		
8*	0202165	Ø 200 x 3 Viton o'ring	1		
9*	0206030	Ø 35 x 52 x 7 Viton double lip seal	1		
10	9907060	Seeger SB52 Snap ring	1		
11**	0101088	61907 Bearing	1		
12	9907030	Seeger SB55 Snap ring	1		
13	F1402058	Magnet plug	1		
14	F9054053	oil filling plug M18x150	1		
15*	0599088	BS-18 seal	1		
16	F9054053	oil filling plug M18x150	1		
17*	0599088	BS-18 seal	1		
18*	0201329	Ø 65 x 1,5 O'ring	1		
19	9999683	Venting plug	1		
(*) parts included in the rebuilt kits :KITREVST901702					
(**) parts included in the kits bearing :KITRLTST901702					

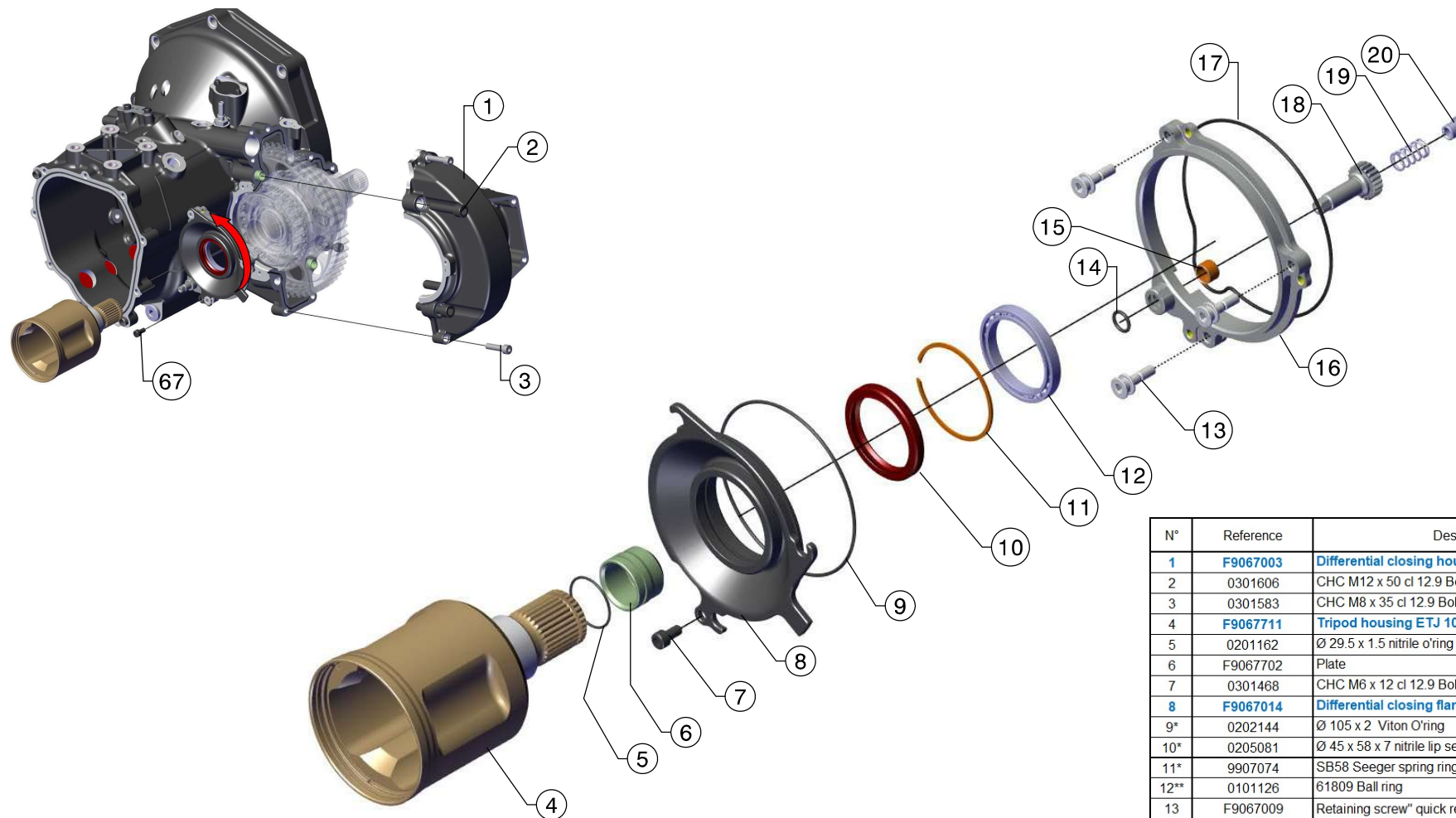
This diagram illustrates the assembly of a crankshaft into a crankcase. The main view shows the crankshaft (1) being inserted into the crankcase. Red arrows indicate the insertion points for the crankshaft into the main bearing (2) and the connecting rod bearing (3). The connecting rod (4) is shown being inserted into the crankshaft. The main bearing cap (5) is shown being placed over the main bearing. The connecting rod cap (6) is shown being placed over the connecting rod. The main bearing cap bolt (7) is shown being inserted into the main bearing cap. The connecting rod cap bolt (8) is shown being inserted into the connecting rod cap. The main bearing cap nut (9) is shown being inserted into the main bearing cap. An inset image shows a close-up of the main bearing cap and connecting rod cap assembly.



N°	Reference	Description	Qty.	Glue	Torque (N.m)
1**	0101128	61905 Bearing	1		
2**	0103029	NU 305 ECP Bearing	1	648	
3**	0106021	HK 20/16 Needle sleeve	1	648	
4	F9046059	Power wheel pump	1		
5**	F9046204	N208 ring outer bushing	1	648	
6**	F9053102	NU1007 inner race	1		
7**	F9053104	M6 x 100 Bolt	2	270	15
8*	0206008	Ø 30 x 40 x 7 Viton double lip seal	1		
9*	9907054	Seeger SB40 Snap ring	1		
10	F9067410	Stop bolt "reverse gear"	2		
11	F9067403	Stop plate "reverse gear"	1		
12*	0599059	BS-8 (8,6 x 13 x 1) Seal washer	2		
13*	0499003	M8 Screw	2	243	35
14	0301513	CHc M5 x 10 cl 12.9 ZN HK screw	3	222	8
15	F90540361	Complete dog trap	3		
	0202037	a Ø 23,5 x 2,5 Viton O'ring	3		

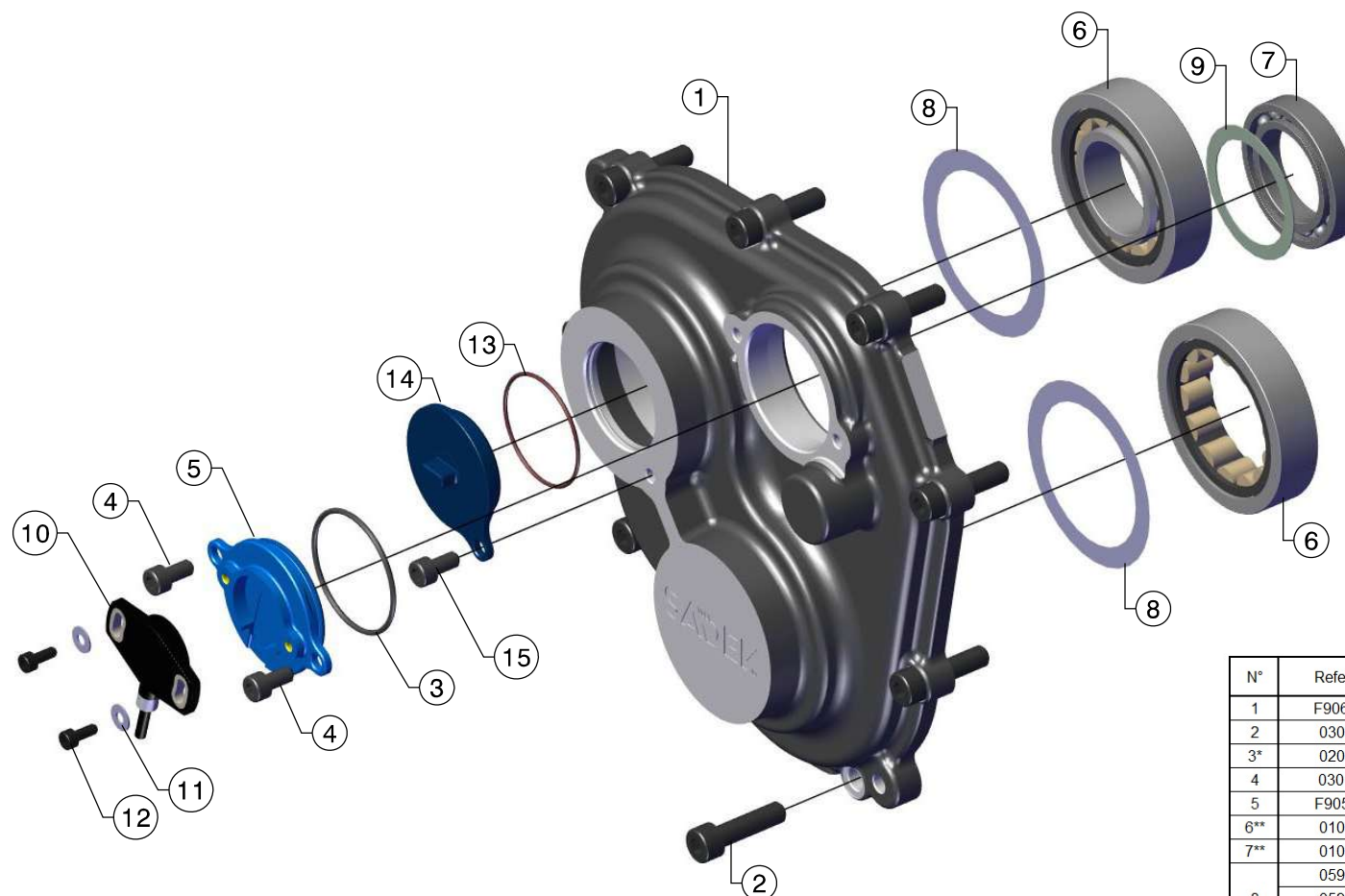
(*) parts included in the rebuilt kits :KITREVST901702
(**) parts included in the kits bearing :KITRLTST901702

5c Drive housing + closing flange



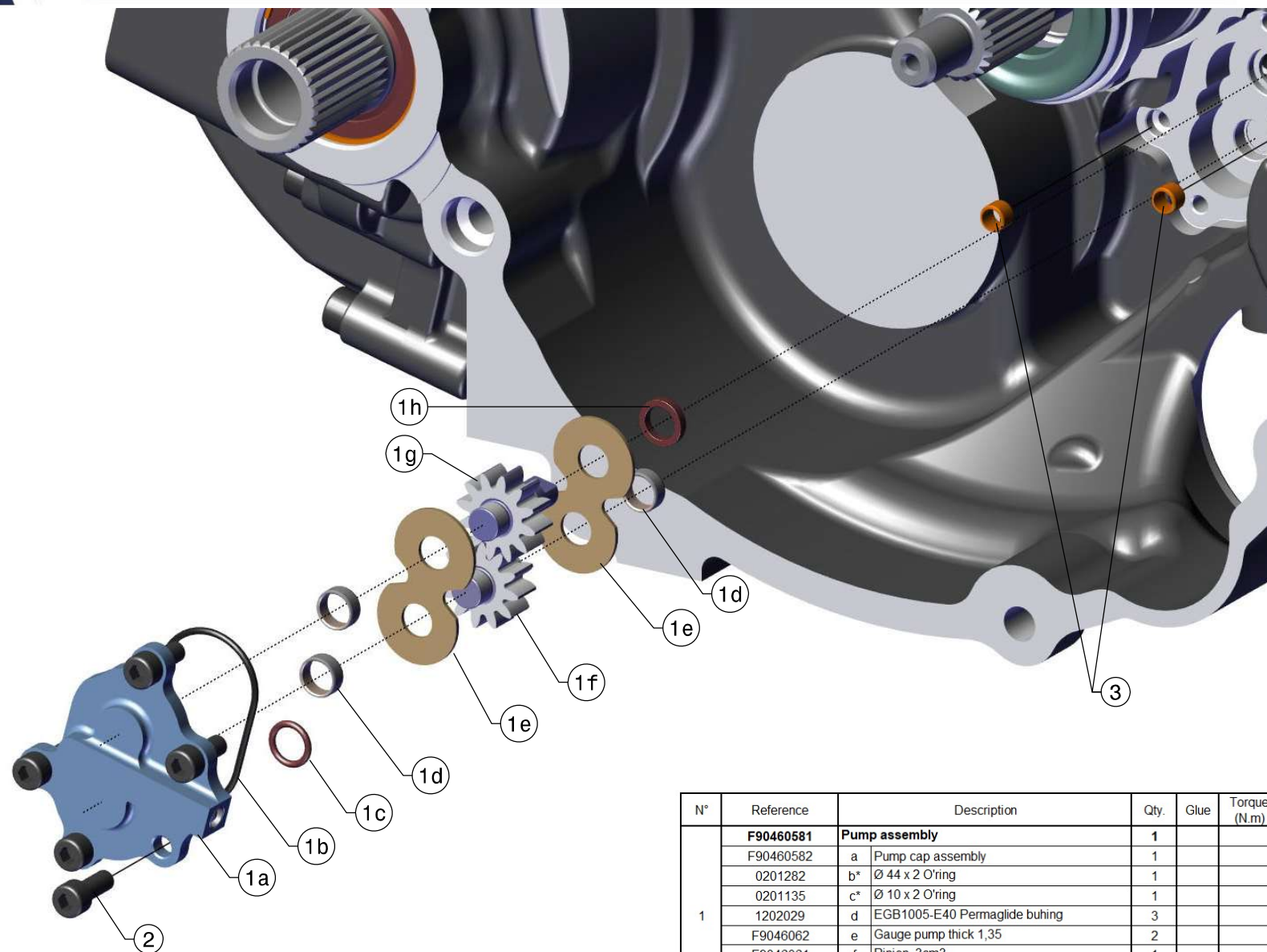
N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F9067003	Differential closing housing	1		
2	0301606	CHC M12 x 50 cl 12.9 Bolt	4	222	75
3	0301583	CHC M8 x 35 cl 12.9 Bolt	7	222	25
4	F9067711	Tripod housing ETJ 104 assembly	1		
5	0201162	Ø 29.5 x 1.5 nitrile o'ring seal	1		
6	F9067702	Plate	1		
7	0301468	CHC M6 x 12 cl 12.9 Bolt	1		15
8	F9067014	Differential closing flange 'left'	1		
9*	0202144	Ø 105 x 2 Viton O'ring	1		
10*	0205081	Ø 45 x 58 x 7 nitrile lip seal	1		
11*	9907074	SB58 Seeger spring ring	1		
12**	0101126	61809 Ball ring	1		
13	F9067009	Retaining screw" quick release"	3	222	15
14*	0201135	Ø 10 x 2 O'ring	1		
15	1202027	EGB1008-E40 Permaglide bushing	1		
16	F9067007	Support "preload tool"	1		
17*	0201259	Ø 125 x 2 O'ring	1		
18	F9067314	Preload tool	1		
19	0801126	1,2 x 11,6 x 20 Spring	1		
20	F9052325	Shoulder bushing "preload tool"	1		
(*) parts included in the rebuilt kits :KITREVST901702					
(**) parts included in the kits bearing : KITRLTST901702					

5d Rear housing



N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F9067005	Flange housing	1		
2	0301293	CHC M8 x 30 cl 10.9 Bolt	9	222	25
3*	0201282	Ø 44 x 2 o'ring	1		
4	0301573	CHC M6 x 10 cl 12.9 ZN Bolt	2	222	8
5	F9058027	Barrel closing flange	1		
6**	0103024	NU 207 ECP Bearing	2		
7**	0101088	61907 Bearing	1		
8	0599067	Shim Ø 71 x 55 th. 0.05	2		
	0599033	Shim Ø 71 x 55 th. 0.10	2		
	0599034	Shim Ø 71 x 55 th. 0.20	2		
9	0599103	Shim Ø 54,5 x 48 ép. 0,05	1		
	0599104	Shim Ø 54,5 x 48 ép. 0,10	1		
	0599105	Shim Ø 54,5 x 48 ép. 0,20	1		
10	F0089079	Rotary sensor	1		
11	0502023	M4Plate washer	2		
12	0301512	CHC M4 x 10 cl 12.9 Bolt	2		
13*	0201087	Ø 41 x 1,5 O'ring	1		
14	F9067102	Plug " Clutch shaft"	1		
15	0301468	CHC M6 x 12 cl 12.9 Bolt	1		
(*) parts included in the rebuilt kits :KITREVST901702					
(**) parts included in the kits bearing : KITRLTST901702					

6 Lubrication

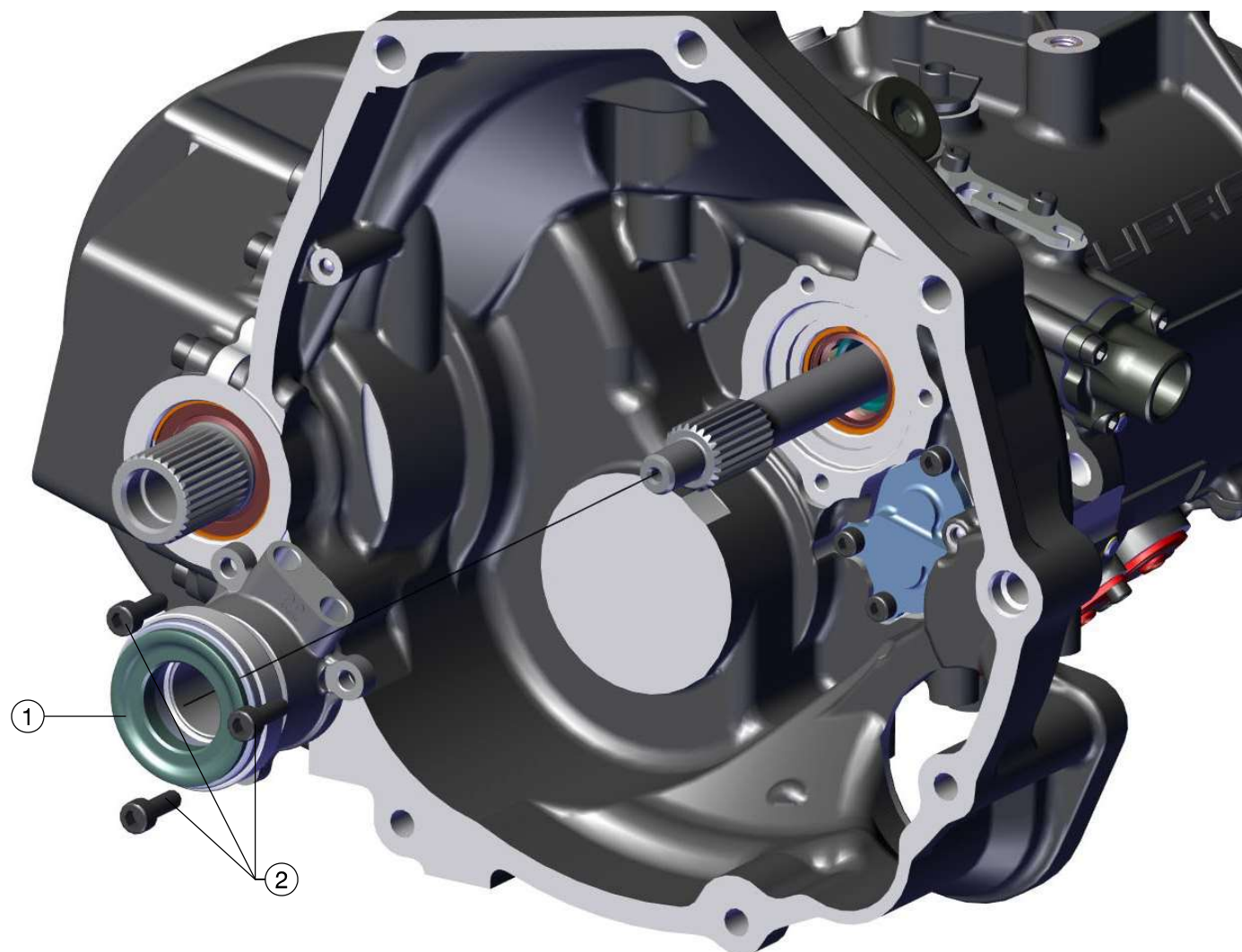


N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F90460581	Pump assembly	1		
	F90460582	a Pump cap assembly	1		
	0201282	b* Ø 44 x 2 O'ring	1		
	0201135	c* Ø 10 x 2 O'ring	1		
	1202029	d EGB1005-E40 Permaglide buhing	3		
	F9046062	e Gauge pump thick 1,35	2		
	F9046061	f Pinion 3cm3	1		
	F9046060	g main pinion 3cm3	1		
	0203055	h* Ø 10 x 14 x 3 Lip seal	1		
	0301422	CHC M6 x 16 cl 10.9 Bolt	5	243	15
2	F1404429	Center pin	2		

(*) parts included in the rebuilt kits : KITREVST9017012

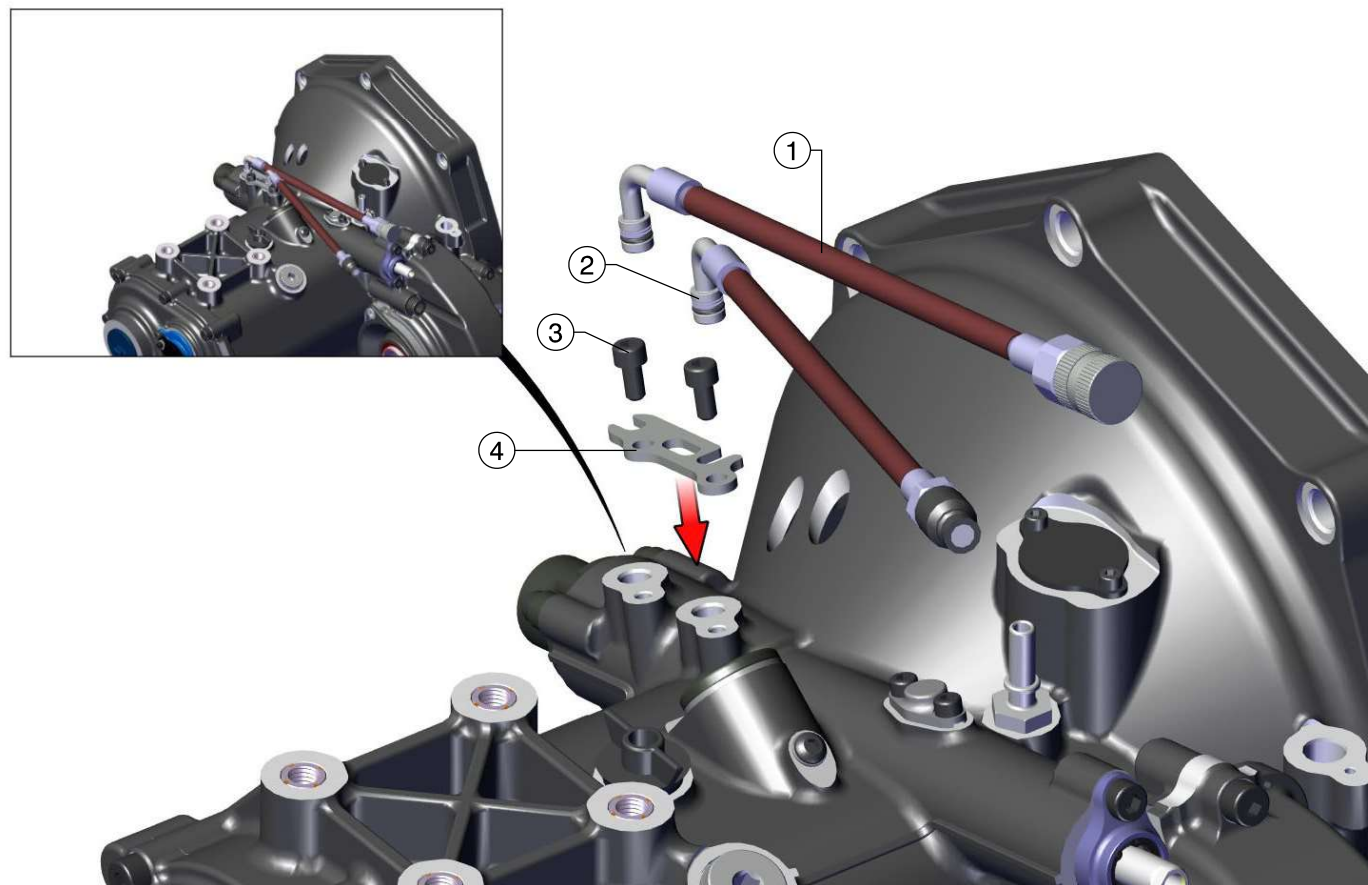
(**) parts included in the kits bearing :KITRLTST901702

7 Clutch bearing AP



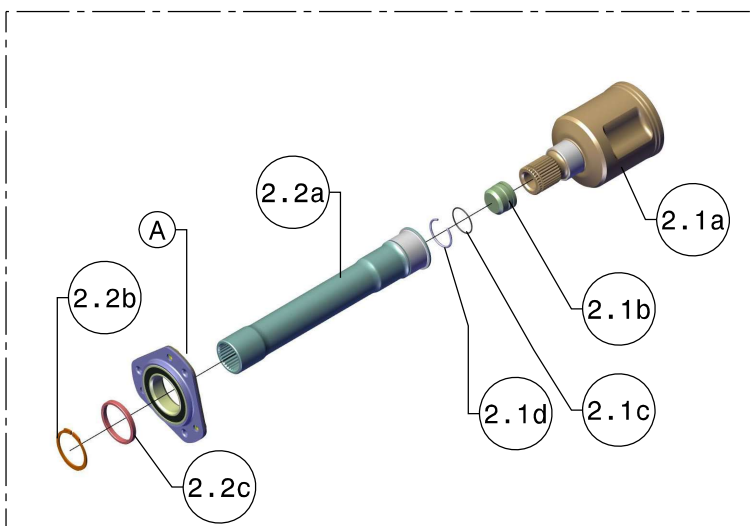
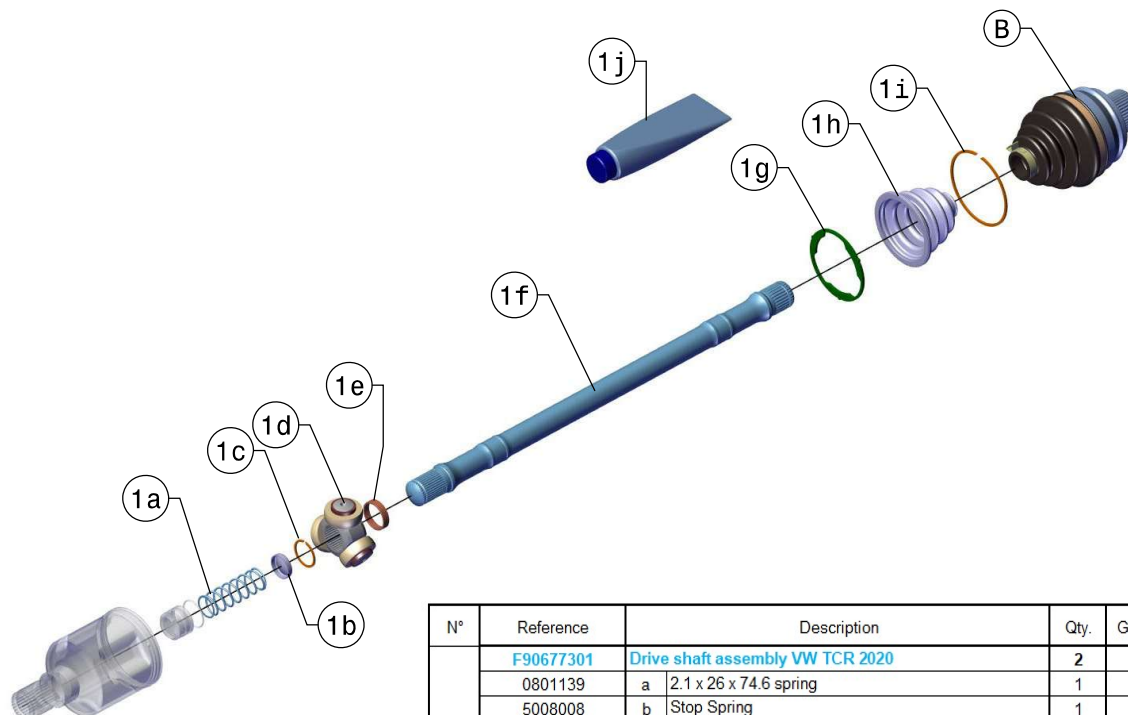
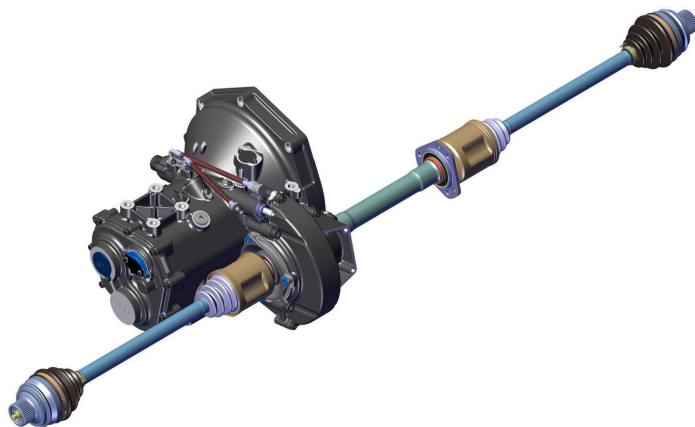
N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	3099127	Hydraulic Stop Ø54 PORT M10	1		
2	0301522	CHc M7 x 20 cl 12.9 ZN screw	3	222	25
(*) parts included in the rebuilt kits :KITREVST901701					
(**) parts included in the kits bearing :KITRLTST901701					

8 Hydraulic hose



N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F9049587	Female hose assembly Dash 04 plug-in 90° lg 180 mm	1		
2	F9049586	Male hose assembly Dash 04 plug-in 90° lg 100 mm	1		
3	0301377	CHc M6 X 12 cl 8,8 ZN screw	2	222	6
4	F9067029	U-clip	1		
(*) parts included in the rebuilt kits :KITREVST901701					
(**) parts included in the kits bearing :KITRLTST901701					

9 Drive shaft



N°	Reference	Description	Qty.	Glue	Torque (N.m)
1	F90677301	Drive shaft assembly VW TCR 2020	2		
	0801139	a 2.1 x 26 x 74.6 spring	1		
	5008008	b Stop Spring	1		
	9907012	c SW29 Seeger spring ring	1		
	5099196	d Tripod	1		
	F9052718	e Ø33 spacer	1		
	F9067730	Drive shaft	1		
	F9067703	g Retaining plate	1		
	F9058704	h Rubber	1		
	9907134	i Seeger SB86 ring	1		
	1099017	j Grease tub (90 gr)	2		
2	F90677152	AUDI CUPRA WTCR relay shaft and tripod housing kit	1		
2.1	F90677111	Tripod housing ETJ104 assembly	1		
	F9067711	a Tripod housing ETJ104	1		
	F9067702	b Spring support	1		
	0201162	c Ø 29.5 x 1.5 nitrile o'ring seal	1		
	F9045309	d Spring ring Ø34 x 2.5	1		
2.2	F90677151	Relay shaft assembly	1		
	F9067715	a Relay shaft	1		
	0601011	b Ø45 outer circlips	1		
	F9067708	c Spacer	1		
A	Customer supply		1		
B	Customer supply		1		