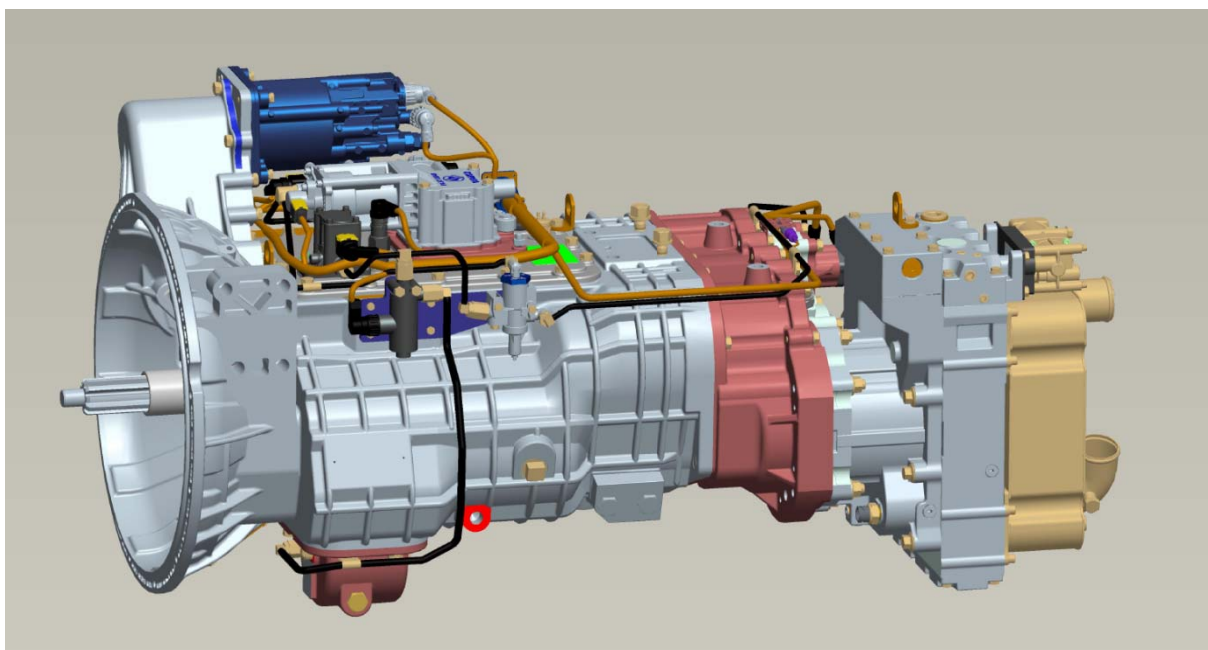

Spare parts list of
16JZSD240A+FHB320B

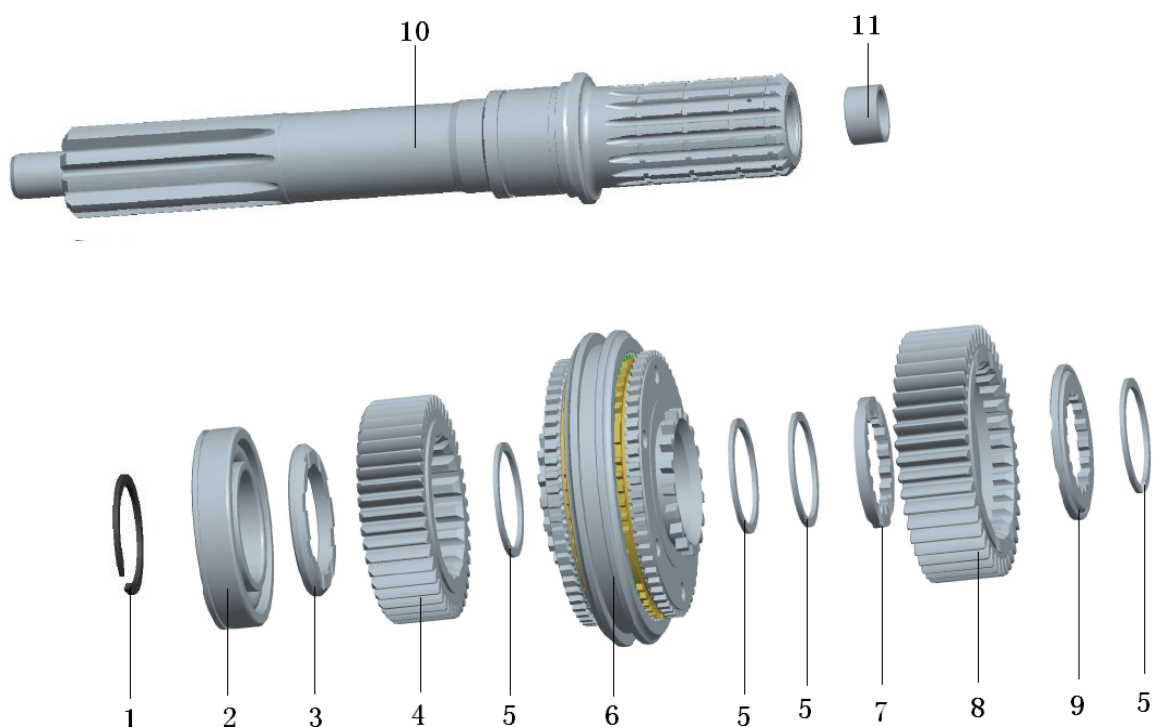


SHAANXI FAST AUTO DRIVE GROUP CO.,LTD.

SHAANXI FAST GEAR CO.,LTD.



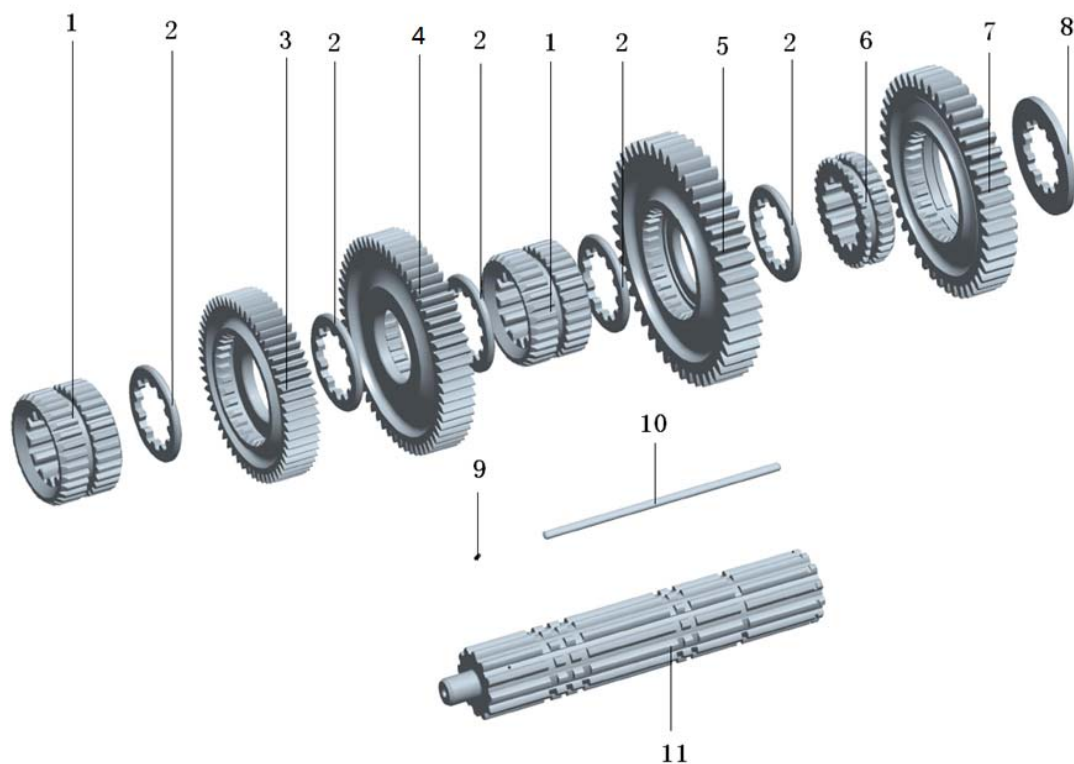
1、Input shaft assembly



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	16980	Flattened steel wire retaining ring	1
2	150212K	Bearing	1
3	16JS200T-1701036	Gasket for input shaft	1
4	16JS200TA-1701032	Input shaft differential gear	1
5	16763	Stop ring	4
6	16JS200T-1701040-3	Synchronizer assembly	1
7	16JS200T-1701034	Spline gasket of input shaft	1
8	16JZSD240-1701031	gears of input shaft	1
9	16JZSD240-1701037	Spline gasket of input shaft	1
10	16JS200T-1701030-3	Input shaft	1
11	JS125T-1701026	Guide sleeve for main shaft	1



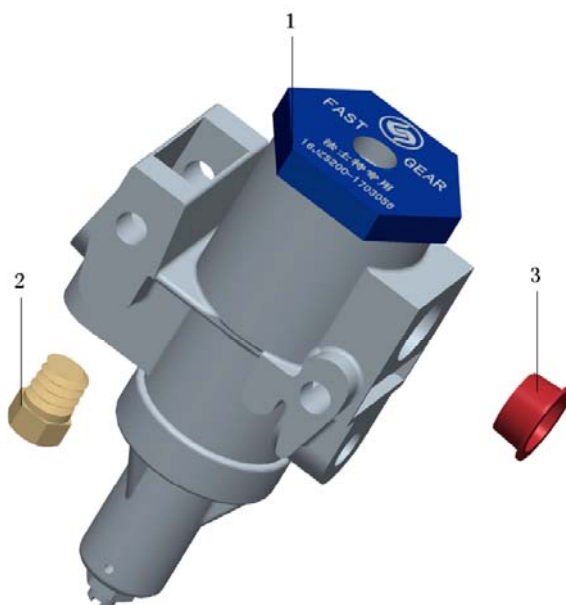
2、Main shaft assembly



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	16JZSD240-1701117	Sliding sleeve	2
2	16JZSD240-1701122	Spline pad of gear for main shaft	5
3	16JZSD240-1701113	5 th speed gear of main shaft	1
4	16JZSD240-1701112	3 rd speed gear of main shaft	1
5	16JZSD240-1701111	1 st speed gear of main shaft	1
6	16JS200T-1701108	Sliding sleeve	1
7	16JS200T-1701110	Reverse gear of main shaft	1
8	9JS200T-1701124	Spline pad of gear for main shaft	1
9	Q5280310	Pin	1
10	16JS200T-1701121	Hexagonal key of main shaft	1
11	16JZSD240-1701105	Main shaft	1



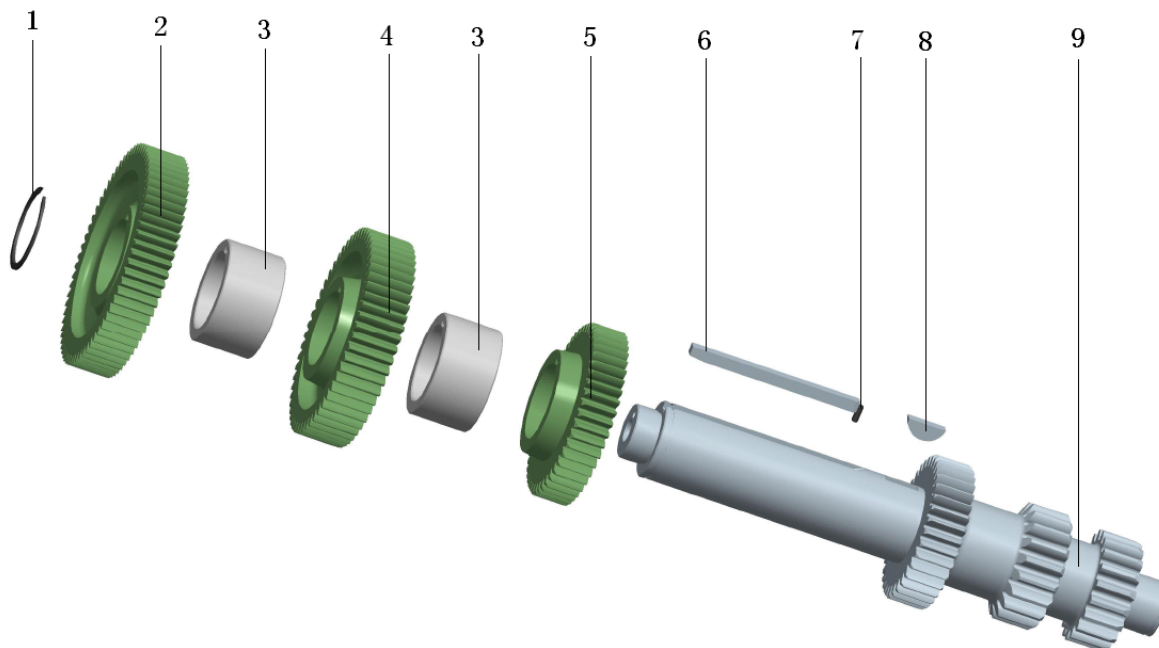
3、Air filter regulator and screw assembly



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	16JZS200-1703056	Air filter regulator assembly	1
2	Q618B01	Hexagon head tapered plug	1
3	54015	Bowl type plug	1



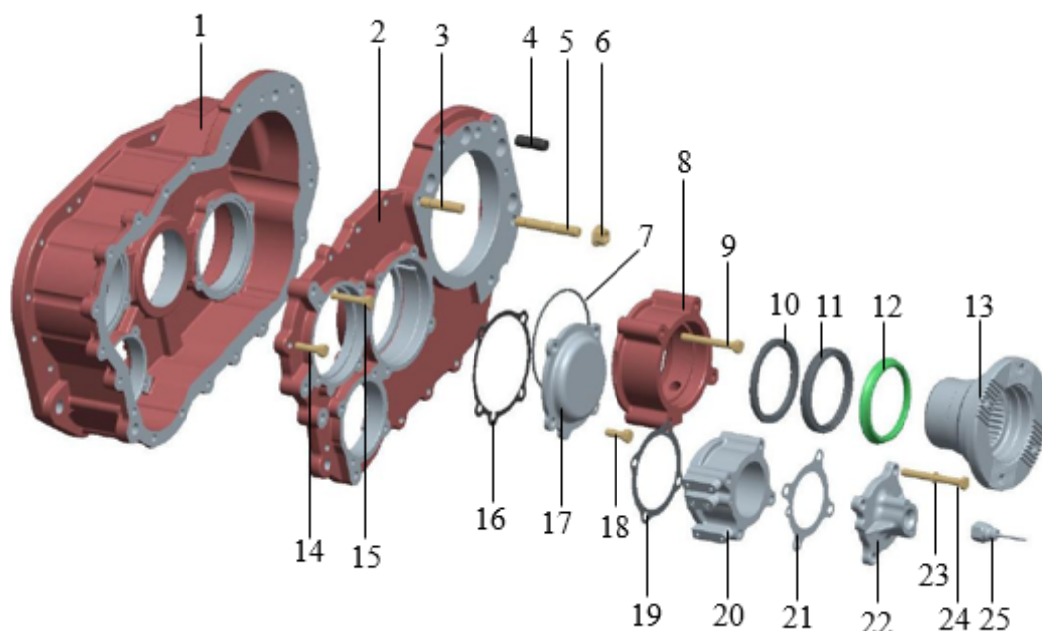
4、Countershaft assembly



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	19198	Snap ring of countershaft	1
2	16JS200TA-1701052	Countershaft differential gear	1
3	12JS160T-1701057	Spacer	2
4	16JZSD240-1701056	Driving gear of countershaft	1
5	16JZSD240-1701050	3 rd gear of countershaft	1
6	16JS200T-1701055	Square button of countershaft	1
7	Q5280514	Elastic cylindrical pin	1
8	X-6-E	Woodruff key	1
9	16JZSD240-1701048	Countershaft	1



5、Rear cover housing assembly



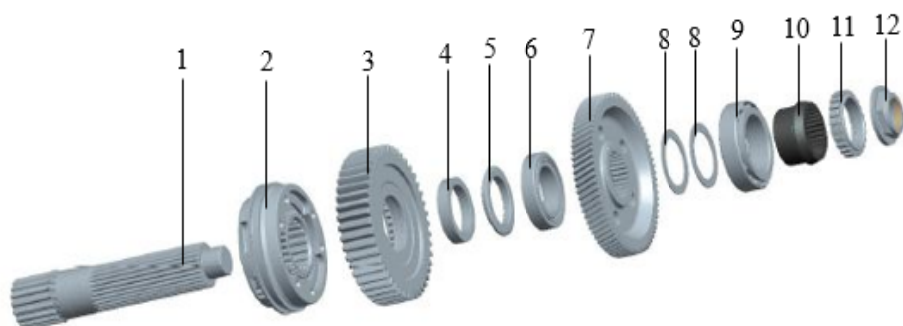
CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	12JSD200T-1707015-1	Main body of rear cover	1
2	12JSD200T-1707016-1	Rear cover	1
3	Q1201445	Stud bolt	2
4	Q5211645	Cylindrical pin	2
5	Q1201480	Stud bolt	3
6	Q32014	Hexagon flange nuts	5
7	GB3452_1-132X3_55	O ring	1
8	10JZSD200-1707155-1	Rear bearing cover of main shaft	1
9	Q1421085	Hexagon head bolts and spring washer assembly	4
10	C01032	Oil seal of rear bearing cover of main shaft	1
11	19109	Oil seal	1
12	F96119	Dust-proof cover	1
13	JS220-1707159-20	Output flange	1
14	Q1421040	Hexagon head bolts and spring washer assembly	11
15	Q1421055	Hexagon head bolts and spring washer assembly	3



16	JSD180-1707053	Washer of countershaft cover for aux.box	1
17	JSD180-1707052	Countershaft cover for aux.box	1
18	Q1421032M	Pre-coated hexagon head bolts and spring washer assembly	4
19	14347	Seal pad	1
20	10JZSD200-1707062	Cylinder of aux.box	1
21	16JZS200-1707064	Seal pad of cylinder cover	1
22	16JZS200-1707065-1	Shift cylinder cover of aux.box	1
23	Q40310	spring washer	4
24	Q150B1095	Hexagon head bolts	4
25	16JZS200-1703077	Nut and armature	1



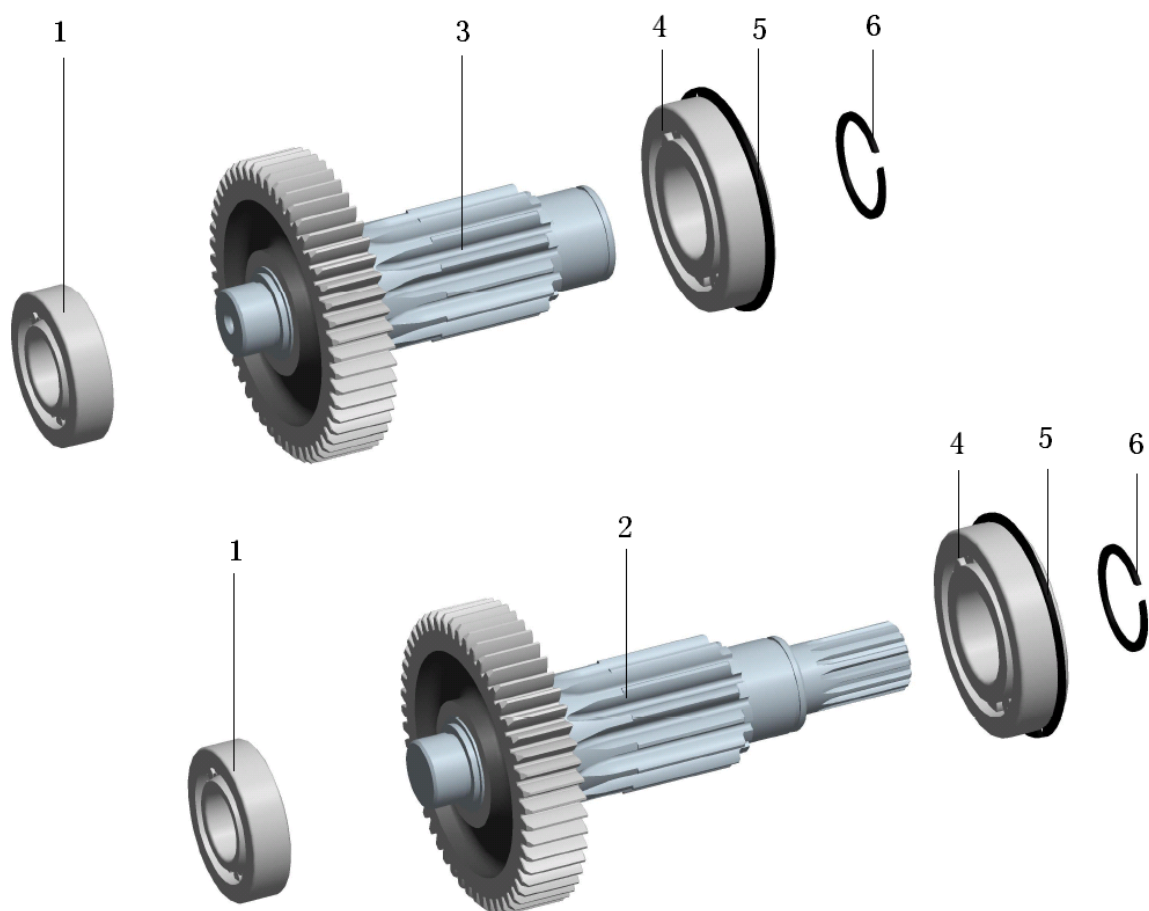
6、Main shaft assembly of aux.box



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	12JSD200T-1707105-9	Main shaft of aux.box	1
2	12JSD160T-1707140-2	Synchronizer assembly	1
3	12JSD200T-1707106-7	Speed reducing gear of main shaft for aux.box	1
4	12JSD200T-1707107	Gasket of main shaft for aux.box	1
5	12JSD160T-1707108	Gear press plate of main shaft for aux.box	1
6	JM714249-210-Q	Bearing	1
7	12JSD200T-1707022-4	Retarder gear	1
8	12JSD200T-1707068-2	Adjusting shim	2
9	33018	Bearing	1
10	12JSD200T-1707072-2	Bearing seat	1
11	16JZSD240-1707170	Rotor of output shaft	1
12	16JSX300A-1707170	Flange nut	1



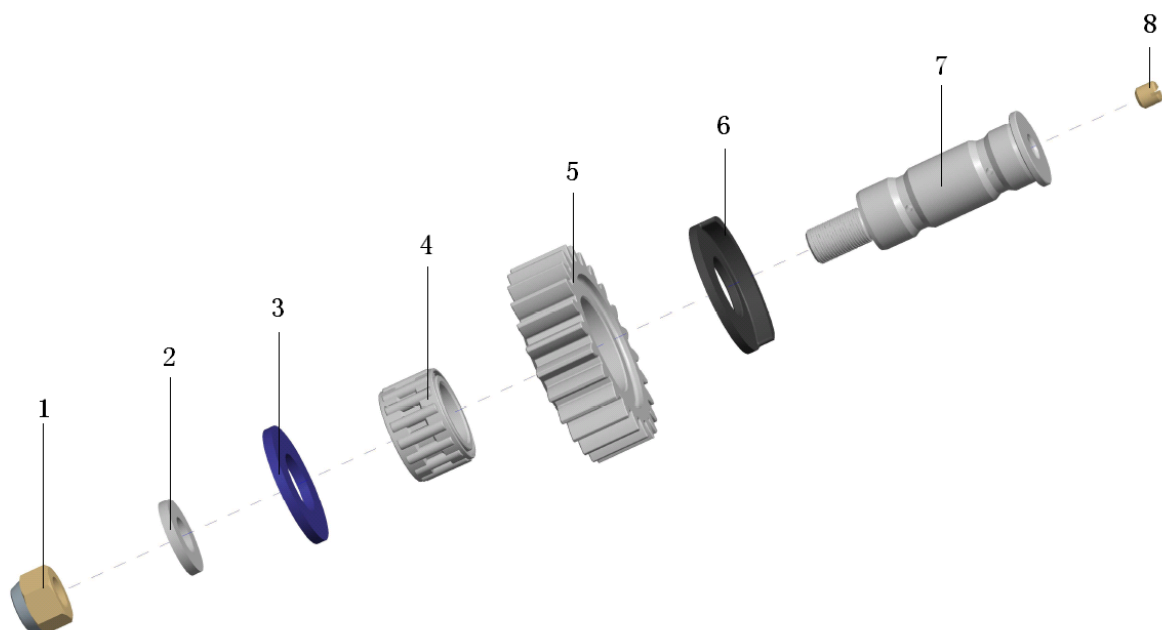
7、 Left/right countershaft assembly of aux.box



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	42308E	Short cylindrical roller bearing	2
2	16JSD200T-1707047	Extended countershaft welding assembly of aux.box	1
3	16JSD200T-1707050	Countershaft welding assembly of aux.box	1
4	192311E	Short cylindrical roller bearing	2
5	Q433120	Flat steel wire retaining ring of bearing	2
6	JS180-1707051	Snap ring	2



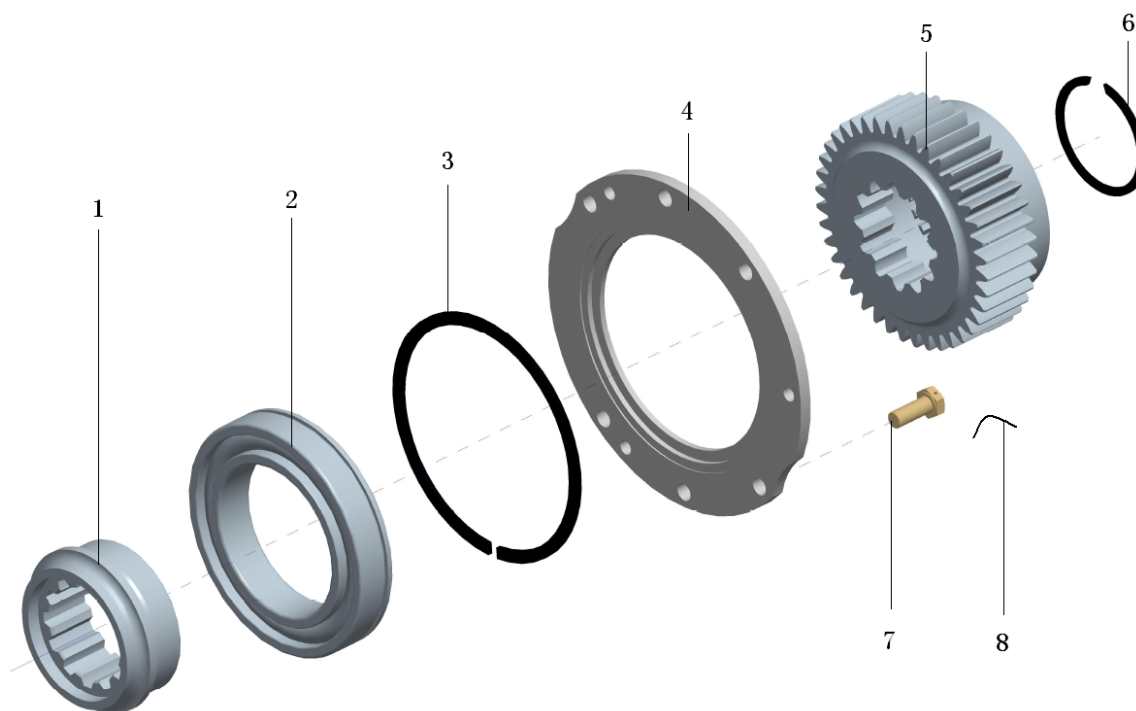
8、Reverse countershaft assembly



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	GB889_2-2000-M20X1_5	Hexagon nylon lock nut	1
2	JS220-1701088	Reverse countershaft gasket	1
3	JS220-1701087	Reverse thrust washer	1
4	DS100-1701085	Long cylindrical roller bearing without outer ring	1
5	12JS160T-1701083	Reverse middle gear	1
6	12JS160T-1701084	Cup type reverse gasket	1
7	JS220-1701082	Reverse countershaft	1
8	Q2821212	Flat end lock bolt	1



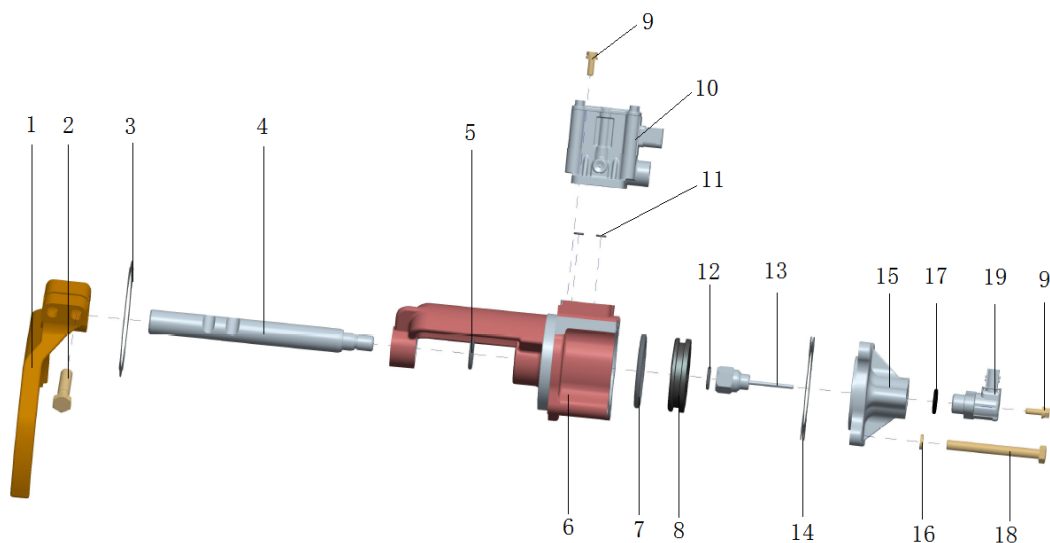
9、 Driving gear assembly of aux.box



CODE	PARTS NO.	PARTS DESCRIPTION.	QUANTITY
1	9JS200T-1701126	Bearing bracket	1
2	50118	Single row radial ball bearing with stop groove	1
3	C01019	Snap ring	1
4	JS220-1707031	Position plate of bearing for aux.box	1
5	16JSD200T-1707030	Drive gear of aux.box	1
6	9JS200T-1701123	Snap ring	1
7	C09032	Hexagonal head bolt which head with hole	6
8	1819	Iron wire	According to the needs



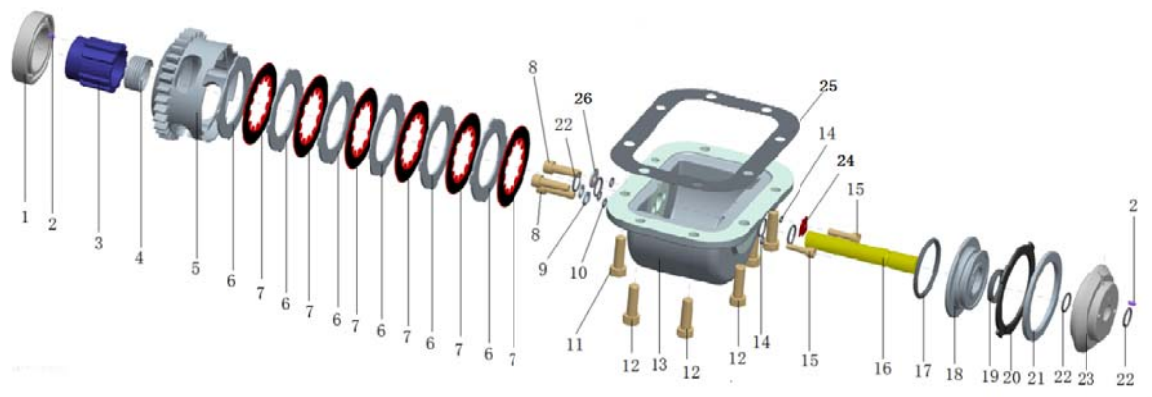
10、Cylinder assembly of aux.box



CODE	PARTS NO.	PARTS DESCRIPTION.	QUANTITY
1	RTD-11609A-1707067-1	Fork of aux.box	1
2	Q171B1250	Hexagon bolt which head with hole	2
3	14347	Gasket	1
4	16JZS200-1707061-2	Fork shaft of range gear	1
5	14765	O ring	1
6	16JZS200-1707062-3	Cylinder of range gear	1
7	14344	O ring	1
8	14341	Piston of cylinder for range gear	1
9	Q218B0620	Hexagon bolt spring washer and flat washer assembly	6
10	16JZS200-1703079	Half gear solenoid valve	1
11	GB3452_1-2005-6_7X1_8	O-ring	2
12	14345	O-ring	1
13	16JZS200-1703077	Nut and armature	1
14	16JZS200-1707064	Seal pad of cylinder cover	1
15	16JZS200-1707065-1	Shift cylinder cover of aux.box	1
16	Q40310	Spring washer	4
17	16JZS200-1703078	O-ring	1
18	Q150B1095	Hexagon bolt	4
19	16JZS200-1703076	Displacement sensor of range gear	1



11、 Brake assembly



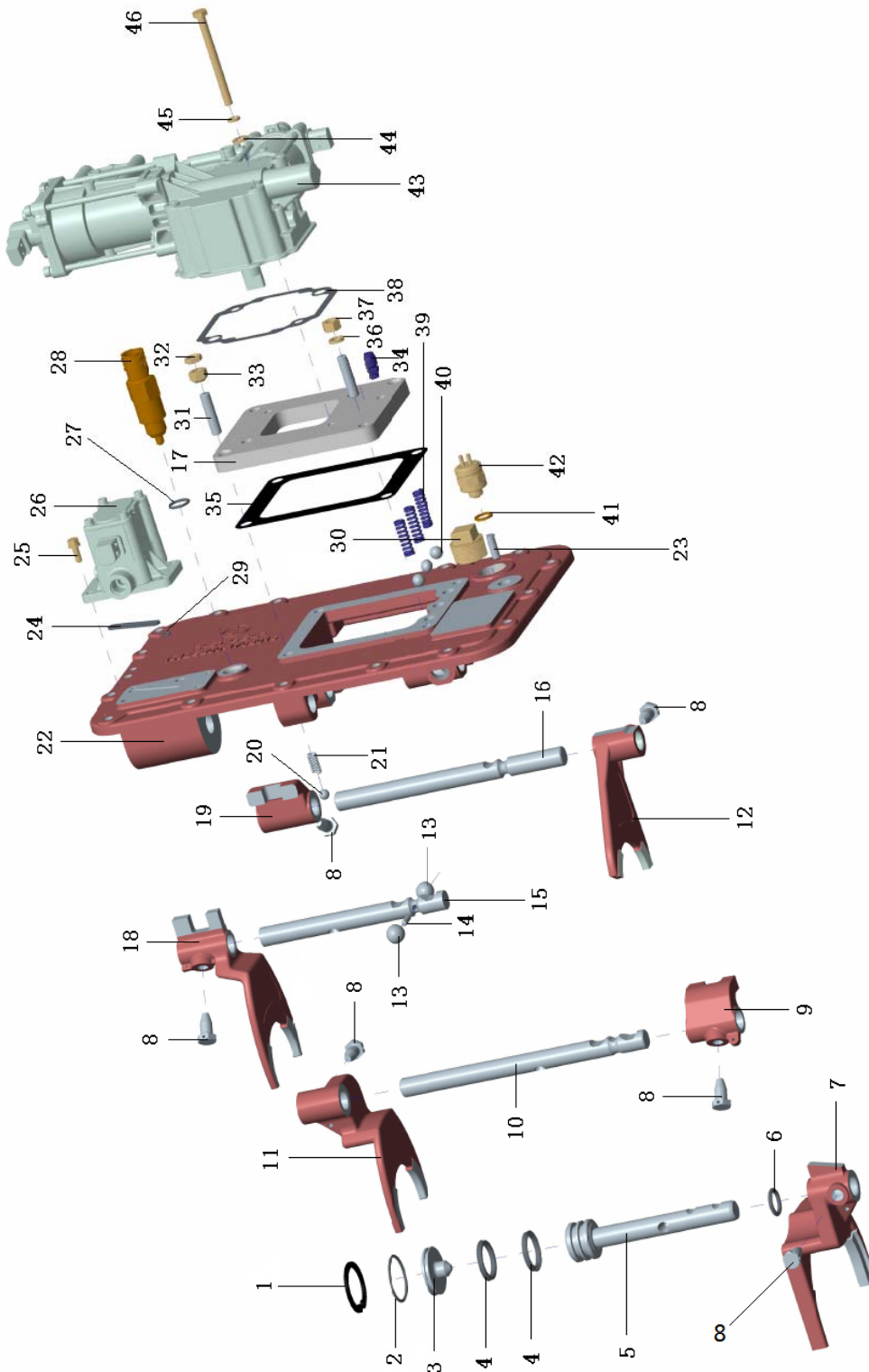
CODE	PARTS NO.	PARTS DESCRIPTION.	QUANTITY
1	46111J	Angular contact ball bearings	1
2	Q5220408	cylindrical pin	2
3	16JZS200-1709119	Spline shaft	1
4	16JZS200-1709133	Return spring	1
5	16JZS200-1709124	Brake gear	1
6	16JZS200-1709123	Brake disc	6
7	16JZS200-1709120	Friction disc	6
8	16JZS200-1709152	Allen cylindrical head bolt	3
9	Q40010	Small washer	2
10	16JZS200-1709142	O- ring	3
11	Q1421245M	Pre-coated hexagon head bolts and spring washer assembly	2
12	Q1421245	Hexagon head bolts and spring washer assembly	6
13	16JZS200-1709115-1	Brake housing	1
14	16JZS200-1709141	O-ring	2
15	16JZS200-1709151	Allen cylindrical head bolt	2
16	16JZS200-1709118	Input shaft	1
17	16JZS200-1709144-1	O-ring	1
18	16JZS200-1709132-2	Brake piston	1
19	16JZS200-1709143	Y type seal ring	1



20	16JZS200-1709125	Gear damper	1
21	AXK90114	Roller-needle bearing	1
22	J80-1702028	O-ring	6
23	16JZS200-1709131-2	Brake cylinder	1
24	16JZS200-1709116	Washer	1
25	16929	Window pad of bottom PTO	2
26	16JZS200-1709117	Washer	1



12、Shift bar housing assembly



CODE	PARTS NO.	PARTS DESCRIPTION.	QUANTITY
1	Q43048	Elastic retainer ring for hole	1



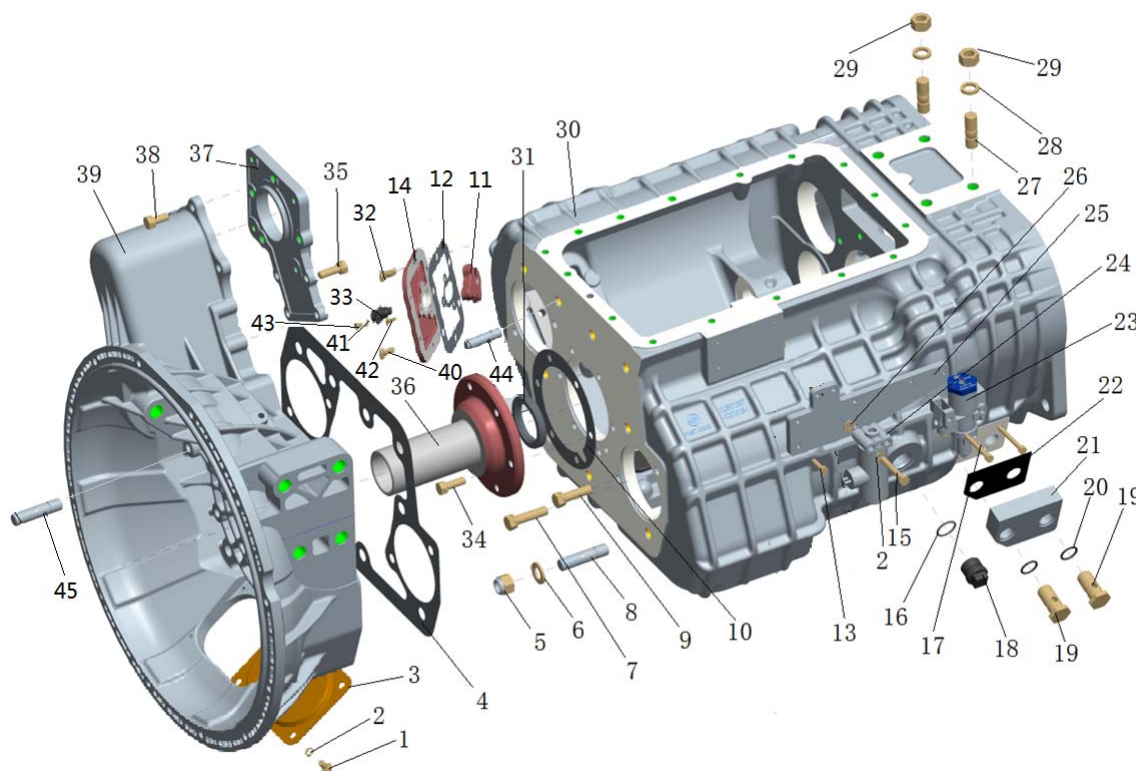
2	GB3452_1-42_5X2_65G	O-ring	1
3	16JS200T-1702069	Head cover	1
4	16JS200T-1702067	Y type seal ring	2
5	16JS200T-1702065	Fork shaft for piston	1
6	16JS200T-1702068	O-ring	1
7	16JS200T-1702058-1	Fork of aux.box	1
8	3220	Locking bolt of shift fork	6
9	14659	guide block of 4 th /5 th gears	1
10	16JS200T-1702066	Fork shaft for 3 rd /4 th gears	1
11	16JS200T-1702057-1	Fork of 3 rd /4 th gears	1
12	16JZS200-1702055	Reverse fork	1
13	19_05G100BGB-T308	Steel ball19.05G100b	2
14	1634	Locking pin of fork shaft	1
15	16JS200T-1702064	Fork shaft for 1 st /2 nd gears	1
16	16JS200T-1702063	Fork shaft for reverse gear	1
17	16JZS200-1703012-1	Transition version of shift actuator	1
18	16JS200T-1702056-3	Fork for 1 st and 2 nd gears	1
19	16JS200T-1702051-2	Reverse guide block	1
20	10G100BGB-T308	Steel ball	1
21	16JS200T-1702080	Positioning spring	1
22	16JZS200-1702012-Y	Shift bar adding steel wire screw sleeve assembly	1
23	15899	Switch start pin	1
24	16JZS200-1702039	Seal pad	1
25	Q218B0620	Hexagon bolt spring washer and flat washer assembly	10
26	16JZS200-1703079	Half gear solenoid valve	2
27	16JZS200-1703082	O-ring	1
28	16JZS200-1703081	Half gear displacement sensor	1
29	GB3452_1-2005-6_7X1_8	O-ring	1
30	Q614B10	Square taper plug	1
31	11066	Stud 3/8"	4



32	Q351B10	Hexagon thin nut	2
33	Q361B10	II type hexagon nut	2
34	15276-1	Ventilation plug assembly	1
35	1642	Manipulation window pad	1
36	Q40310	Spring washer	2
37	X-1-603	Hexagonal nut	2
38	16JZS200-1703013	Liner of shift actuator	1
39	F96085-2	Compressed spring	3
40	12_7G100BGB-T308	Steel ball	3
41	C03015	seal	1
42	791_00_71_0068	Pressure switch	1
43	16JZS200-1703010	Shift actuator	1
44	Q40108	Flat washer	4
45	Q40308	Spring washer	4
46	Q150B08100M	Hexagon head bolt	4



13、Clutch housing and transmission housing assembly



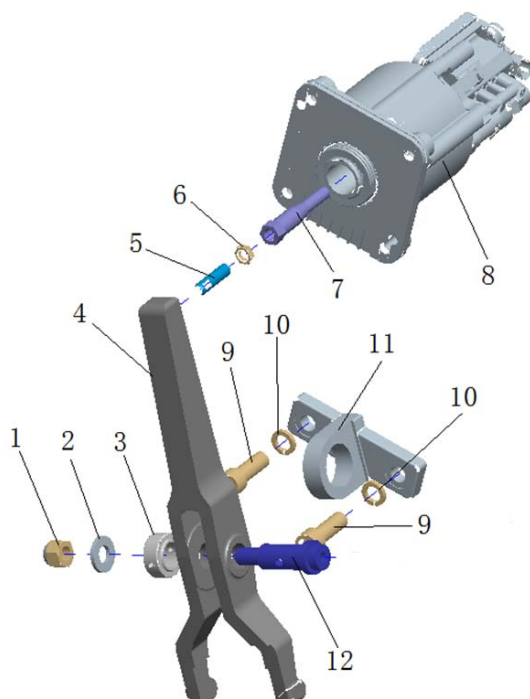
CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	Q150B0812	Hexagon bolt Hexagon bolt	4
2	Q40308	Spring washer	6
3	1565	Clutch hand hole cover	1
4	20822-3	Gasket of clutch housing	1
5	GB889.2-2000-M16X1.5	Type 1 non-metallic insert hexagon lock nut	9
6	Q40116	Gasket	9
7	Q1421245M	Pre-coated hexagon head bolts and spring washer assembly	2
8	C01056-4	Stud	7
9	Q1421255M	Pre-coated hexagon head bolts and spring washer assembly	2
10	14311	Gasket of bearing cover for input shaft	1
11	16JZS200-1701023-1	Input sensor seat	1
12	16JZS200-1701022	Gasket of side force window	1
13	Q1420625	Hexagon head bolts and spring washer assembly	4
14	16JZS200-1701020-1	Force window cover	1
15	Q150B0850	Hexagon bolt	2



16	6JS160T-1709588-1	O - ring	2
17	Q1420660	Hexagon head bolts and spring washer assembly	2
18	6JS160T-1709587-2	Oil plug	2
19	JS150TA-1708092B-1	Hollow bolt of diverter valve	2
20	JS150TA-1708093B-1	O - ring	2
21	JS150TA-1708090B-1	Diverter valve of oil pump	1
22	JS150TA-1708091B-1	Liner	1
23	16JZS200-1703055	Air filter regulator assembly	1
24	16JZS200-1703083	Solenoid valve of brake	1
25	16JZS200-1701012	Valve bracket	1
26	Q40108	Flat washer	2
27	Q1231640	Stud bolt	2
28	Q40316	Spring washer	2
29	Q341B16	Hexagon nut	2
30	12JSD160T-1701015-7	Transmission housing adding steel wire screw sleeve assembly	1
31	F500A-1802191	Skeleton oil seal assembly	1
32	Q1421032	hexagon head bolts and spring washer assembly	1
33	16JZS200-1703071	Input rotary speed sensor	1
34	Q1421032M	Pre-coated hexagon head bolts and spring washer assembly	11
35	Q1421032	hexagon head bolts and spring washer assembly	5
36	JS180-1701040-4	Bearing cover of input shaft	1
37	16JZS200-1601025-Y-11	Side plate assembly of clutch housing	1
38	Q1421025	hexagon head bolts and spring washer assembly	4
39	JS180-1601015-Y-10	Transmission housing adding steel wire screw sleeve assembly	1
40	Q1421032M	Pre-coated hexagon head bolts and spring washer assembly	4
41	Q40306	Spring washer	1
42	Q1420625M	Pre-coated hexagon head bolts and spring washer assembly	3
43	Q150B0612	hexagon head bolts	1
44	C01056-5	Stud bolt	1
45	C01056-7	Stud bolt	1



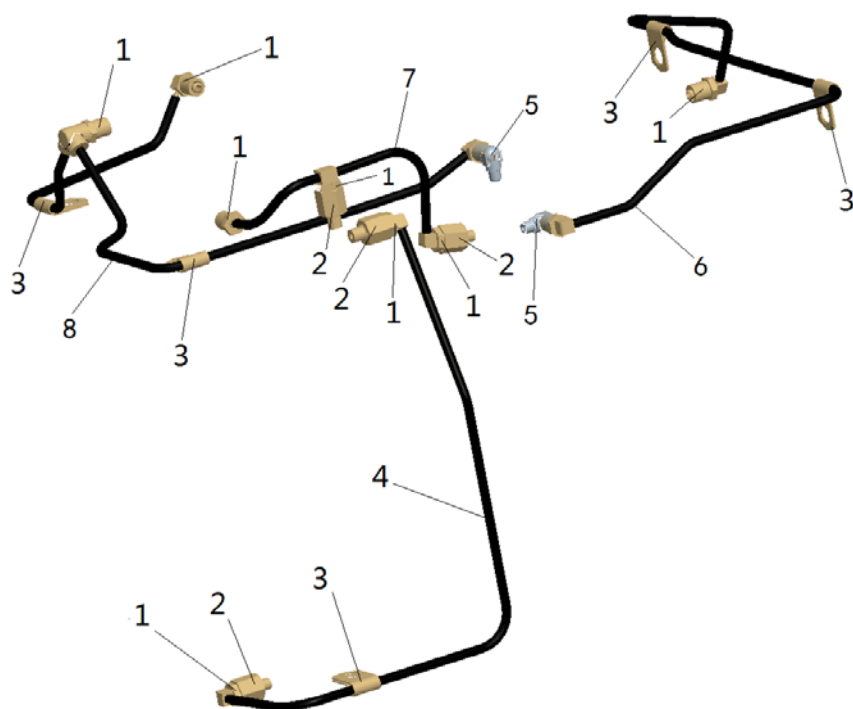
14、Clutch release fork bracket and release actuator assembly



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTIT Y
1	GB890-80-M16X1.5	Type 1 non-metallic insert hexagon lock nut	1
2	JS180-1601022-1	Washer	1
3	GE25ET-2RSG B9163	Joint bearing	1
4	JS180-1601021-2	Release fork of clutch	1
5	16JZS200-1601091	Clutch push rod	1
6	Q350B12	Hexagon thin nut	1
7	16JZS200-1601092	Clutch adjusting lever	1
8	16JZS200-1603010	Clutch actuator	1
9	Q218B1645	Allen cylindrical head bolt	2
10	Q40316	Spring washer	2
11	JS180-1601024-26	T-type plate	1
12	JS180-1601023-7	Fork shaft	1



15、 Air line assembly



CODE	PARTS NO.	PARTS DESCRIPTION	QUANTITY
1	16JZS200-1702083	Coupling nut	8
2	16JZS200-1702081	Quick transition joint	4
3	16JZS200-1709021	Single hose clip	5
4	16JZS200-1702073	Air hose 4 assembly	1
5	C01054	90°flex connector	2
6	16JZS200-1702070-1	Air hose 1 assembly	1
7	16JZS200-1702072	Air hose 3 assembly	1
8	16JZS200-1702071	Air hose 2 assembly	1

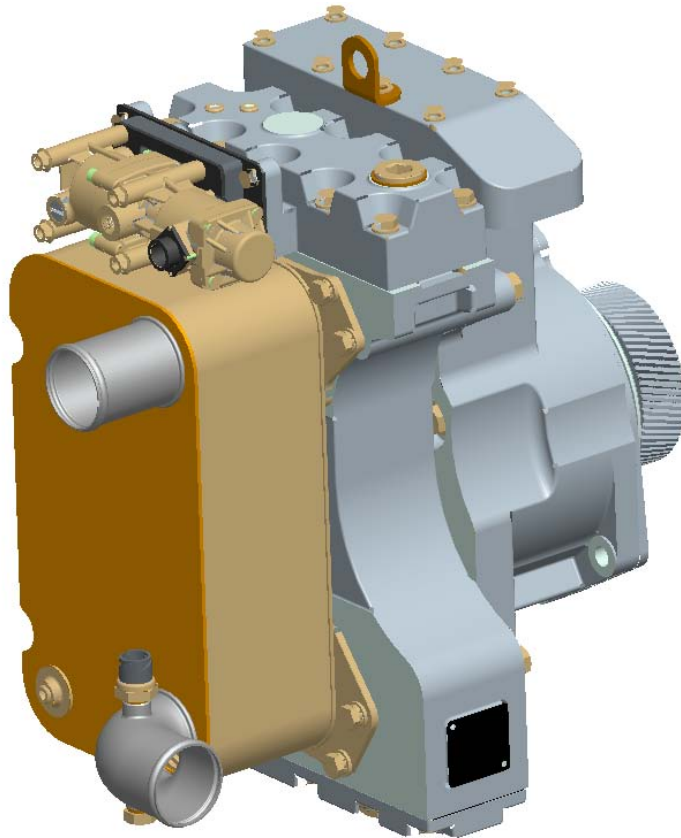


16、AMT key parts table



CODE	PARTS NO.(FAST)	PARTS NO.(WABCO)	PARTS DESCRIPTION	QUANTITY
1	16JZS200-1708010	433 141 002 0	Shift knob assembly	1
2	16JZS200-1703071	441 037 005 0	Input shaft speed sensor	1
3	16JZS200-1703072	441 037 105 0	Output shaft speed sensor	1
4	16JZS200-1703076	441 926 534 2	Range displacement sensor	1
5	16JZS200-1703077	421 370 522 2	Nut and armature	1
6	12JZSD160-1703010	421 370 101 0	Shift actuator	1
7	16JZS200-1603010	970 150 006 0	Clutch actuator	1
8	16JZS200-1703083	472 170 606 0	Brake solenoid valve	1

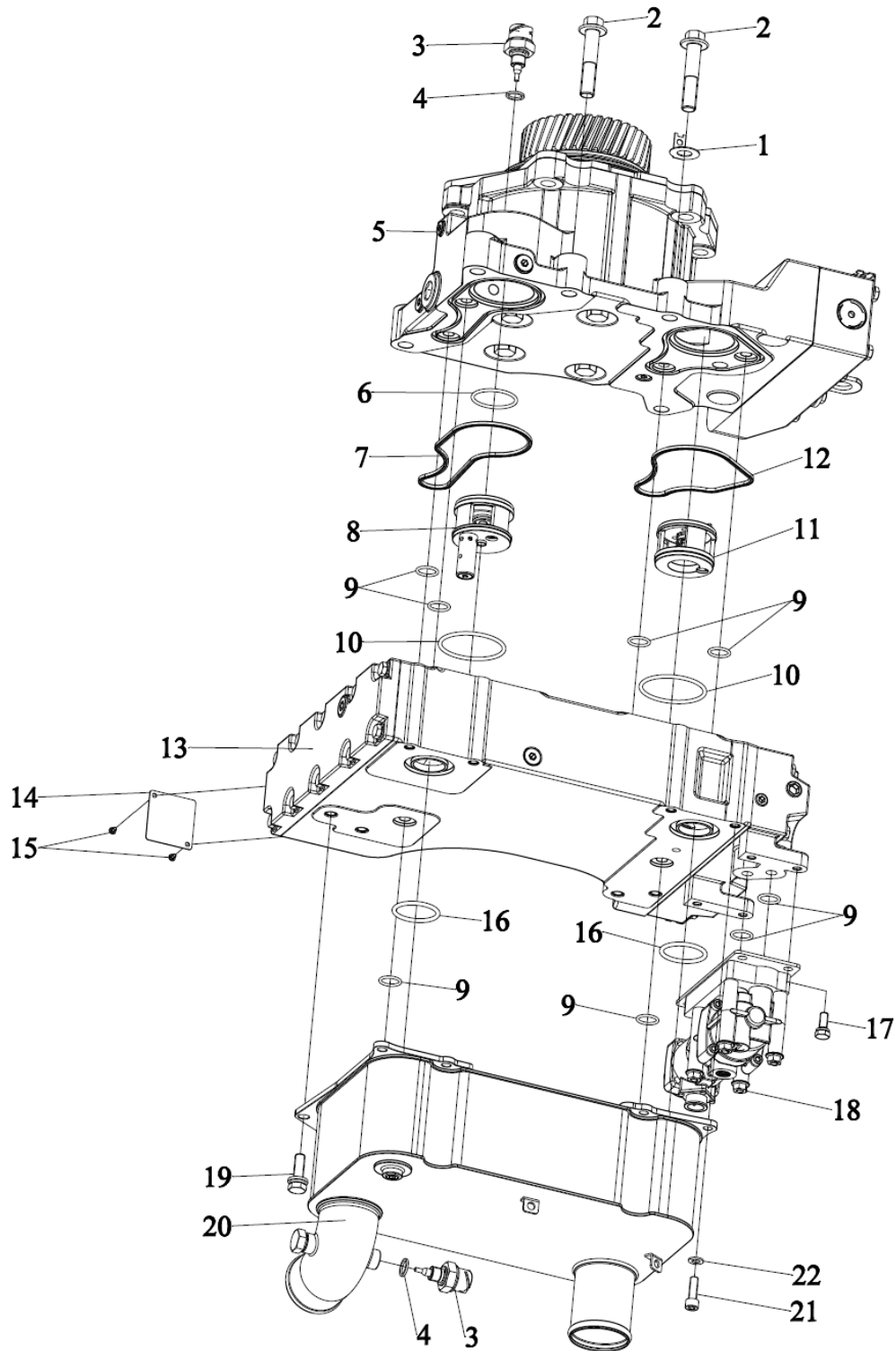
Spare Parts List (FHB320B)



Shaanxi Fast Gear Co.,Ltd.

FHB320B Spare Parts List

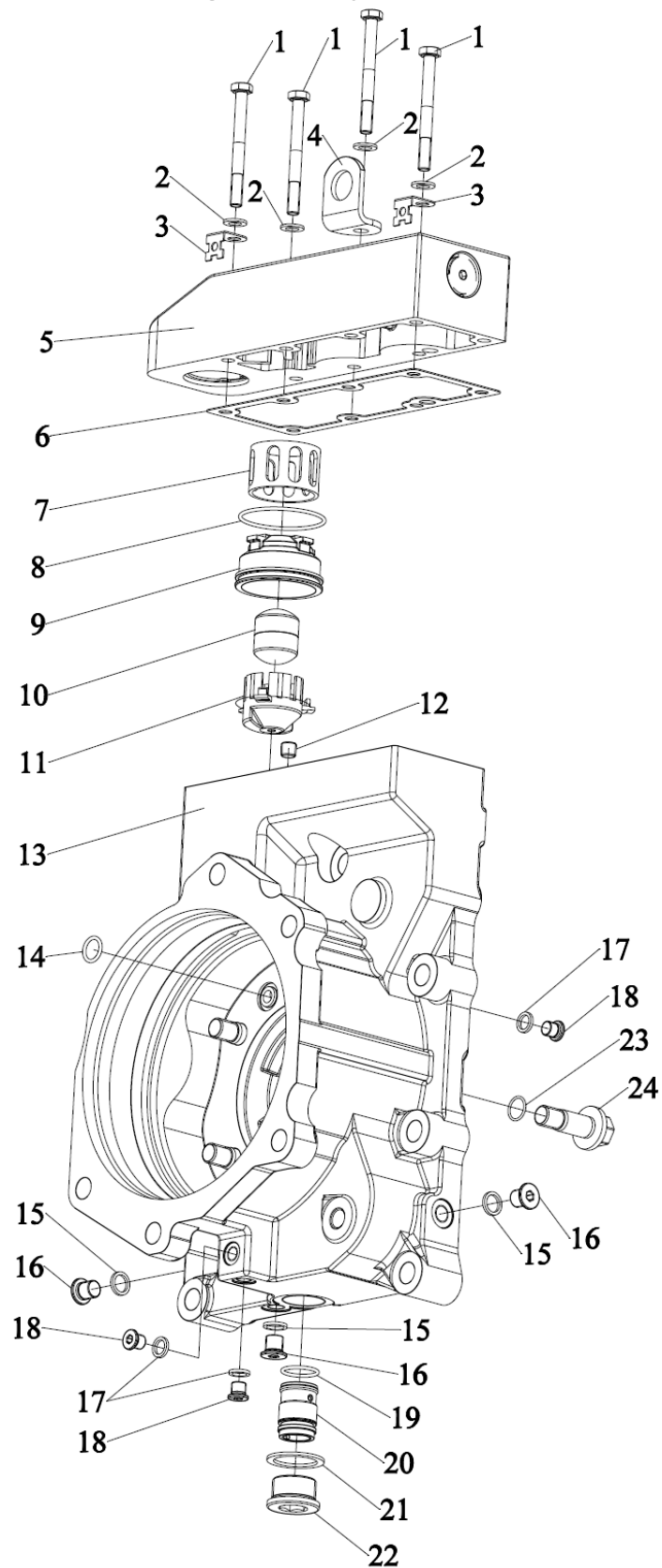
1. Retarder Assembly



Code	Parts No.	Parts Description	Quantity
1	HB00501	Harness clip	1
2	Q1841470TF3	Hexagon flange bolts	6
3	H54201	Temperature sensor	2
4	Q72314T3M	Seal gasket	2
5	HB30001	Working chamber assembly	1
6	HB00047	Seal ring	1
7	HB00055	Profiled seal ring	1
8	HB05001	Outlet check valve small assembly	1
9	HB00049	O ring	8
10	HB00048	Seal ring	2
11	HB06001	Inlet check valve small assembly	1
12	HB00056	Profiled seal ring	1
13	HB20001	Oil reservoir housing assembly	1
14	HB09601-1	Sign	1
15	Q2713508	Cross recessed pan head self-tapping screw type -C	2
16	HB00050	Seal ring	2
17	Q1420820	Hex head bolt and spring gasket assemblies	4
18	HB60001	Control valve assembly	1
19	Q1461032M	Pre-coated hexagon bolt, spring gasket and flat gasket assemblies	4
20	HB50002	Heat-exchanger assembly	1
21	Q218B0825S	Inner hexagon cylindrical head bolt	4
22	Q40008	Small gasket	4

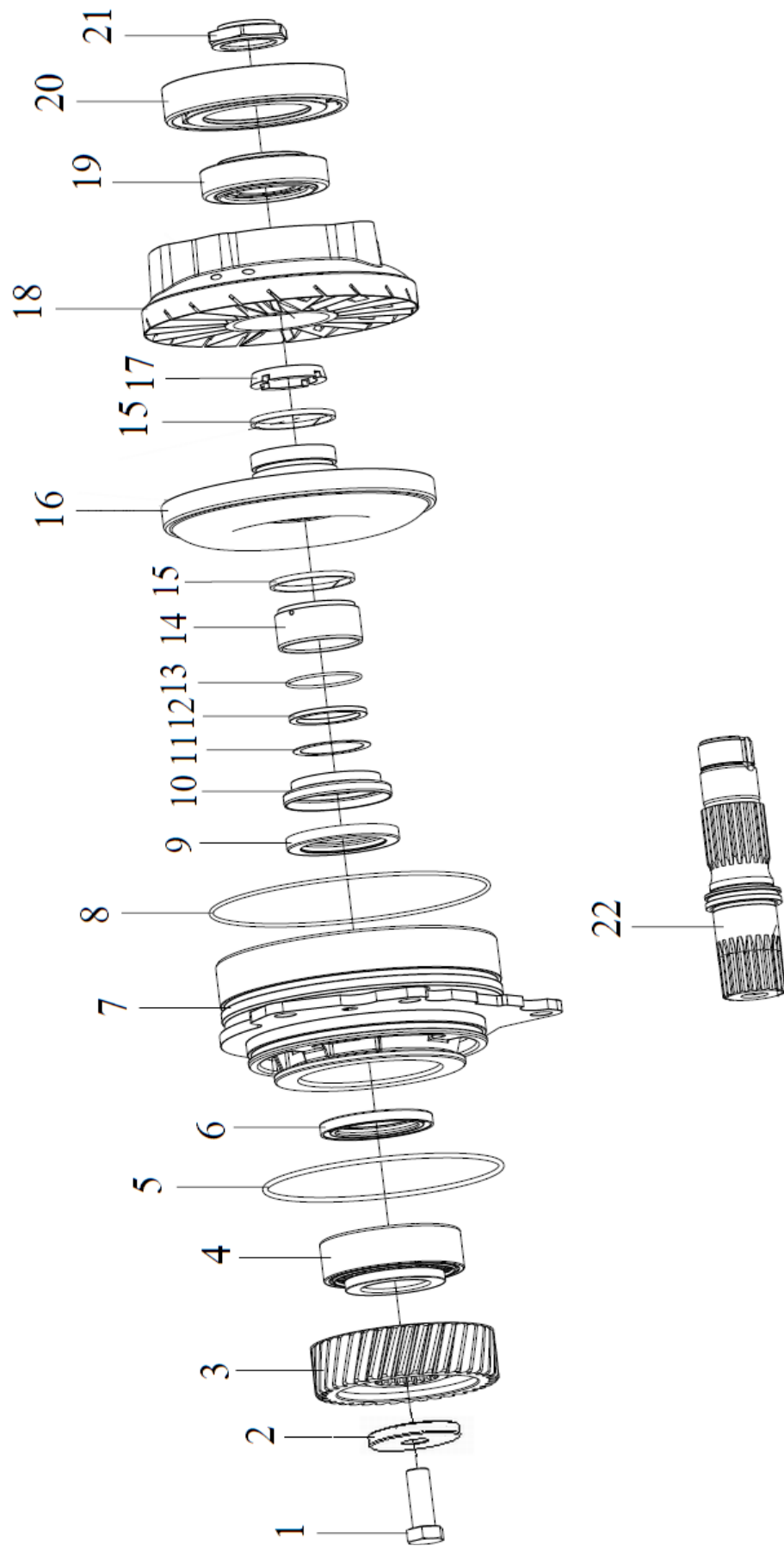
2. Working Chamber Assembly

a. Working Chamber Housing Assembly:



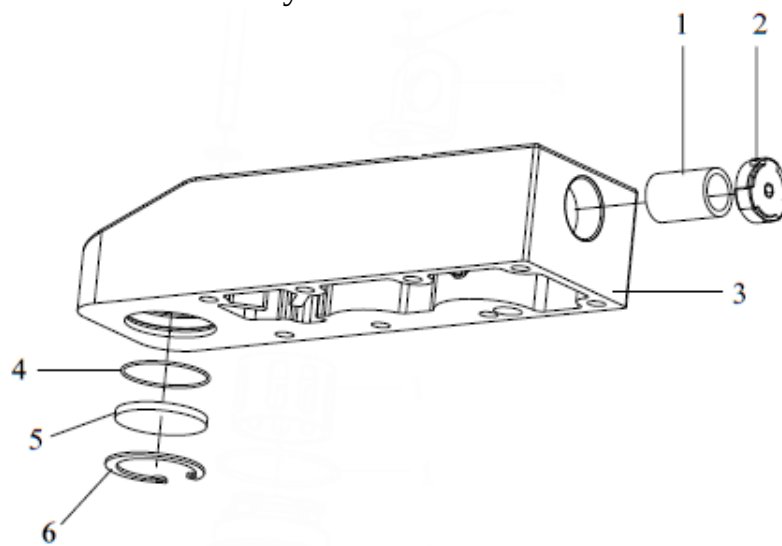
Code	Parts No.	Parts Description	Quantity
1	Q150B0880	Hexagon bolt	8
2	Q40108	Flat gasket	8
3	HB00502	Harness clip	2
4	20815	Lifting bending	1
5	HB12002	Shock de-oiler assembly	1
6	HB13001	Working chamber shift bar housing gasket	1
7	HB14401	Support ring	1
8	HB00045	O ring	1
9	H13600	Float-cap small assembly	1
10	H13800	Small float small assembly	1
11	H14000	Float seat small assembly	1
12	Q61901	Inner hexagon tapered screw plug	1
13	HB11001	Retarder housing	1
14	HB00046	O ring	1
15	Q72312T3M	Seal gasket	3
16	HB00603	Oil level screw plug	3
17	Q72310T3M	Seal gasket	3
18	HB00604	Screw plug	3
19	HB00041	O ring	1
20	HB04001	Safety valve small assembly	1
21	Q72330T3M	Seal gasket	1
22	HB00602	Inner hexagon plug	1
23	HB00051	O ring	4
24	HB00605	Stator clamping bolt	4

b. Working Chamber Stator/Rotor Assembly:



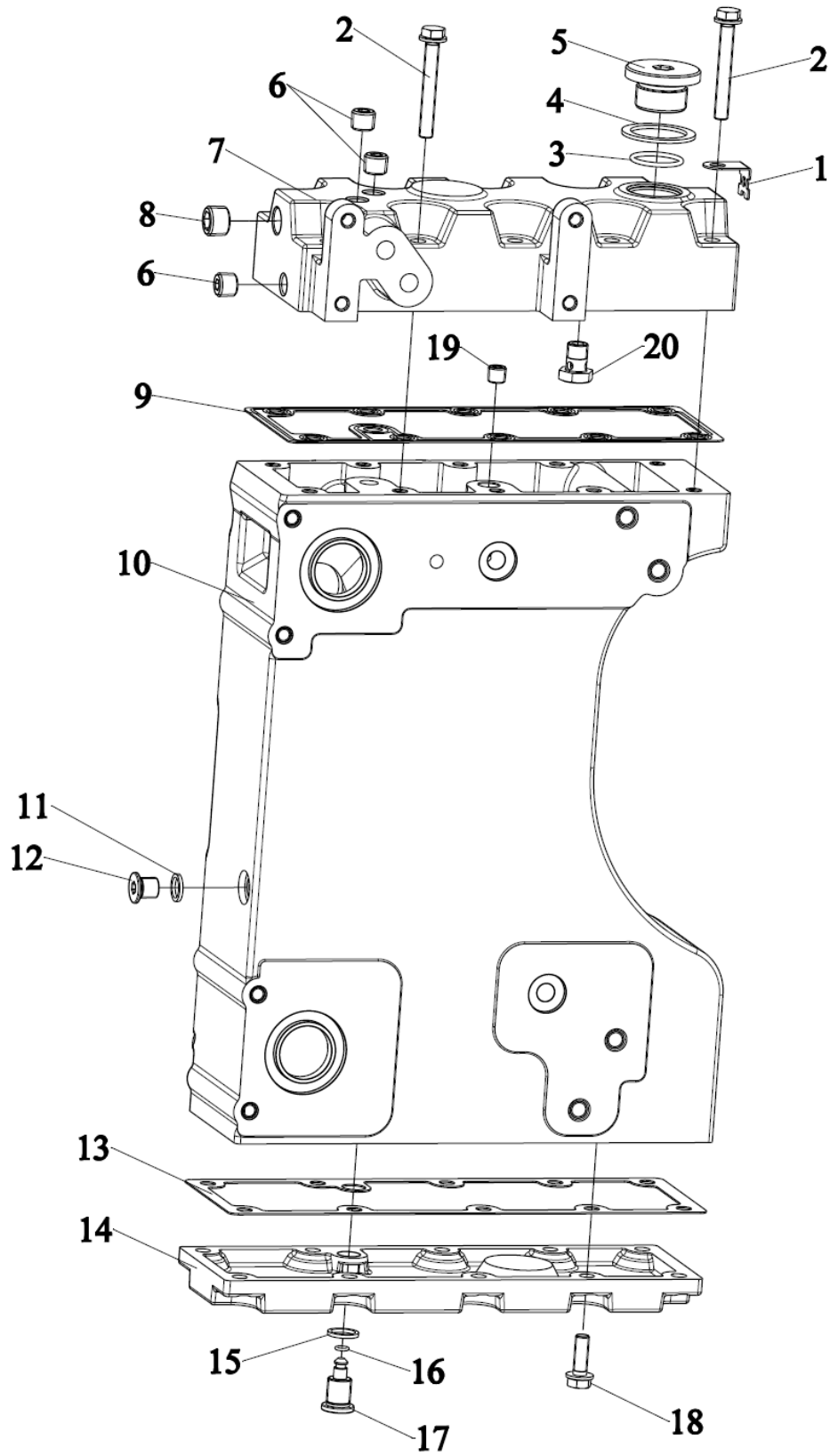
Code	Parts No.	Parts Description	Quantity
1	Q151B1645M	Pre-coated hexagon head bolt-fine tooth	1
2	HB00403	Compression gasket	1
3	HB38001	Driving gear of retarder	1
4	HB00303	Tapered roller bearing	1
5	HB00043	O ring	1
6	HB00001	Side seal of transmission	1
7	HB31002	Front bearing cover of retarder	1
8	HB00044	O ring	1
9	HB00002	Side seal of retarder	1
10	HB37001	Seal expansion ring seat	1
11	HB00404	Adjusting shim	1
12	HB00402	Adjusting shim	1
13	HB00042	O ring	1
14	HB36001	Seal seat	1
15	HB00003	Seal expansion ring	2
16	HB33001	Retarder rotor	1
17	HB00405	Bushing	1
18	HB32001	Retarder Stator	1
19	HB00302	Tapered roller bearing	1
20	HB35001	Bearing seat	1
21	HB00301	Locking nut	1
22	HB34001-1	Spline shaft	1

c 、 Shock De-oiler Assembly:



Code	Parts No.	Parts Description	Quantity
1	H14202	Silencer	1
2	H00144	Silencer screw plug	1
3	HB12001	Working chamber top cover	1
4	HB00052	O ring	1
5	HB14001	Silencer	1
6	Q43045	Circlip for hole	1

3. Oil Reservoir Housing Assembly



Code	Parts No.	Parts Description	Quantity
1	HB00502	Harness clip	1
2	Q1400860	Hexagon head bolt and flat gasket assemblies	10
3	HB006062	O ring	1
4	Q72333T3M	Seal gasket	1
5	HB006061	Oil plug	1
6	Q61902	Inner hexagon tapered screw plug	3
7	HB22001	Top cover of oil reservoir housing	1
8	Q61903	Inner hexagon tapered screw plug	1
9	HB24001	Top cover gasket of oil reservoir	1
10	HB21002	Oil reservoir housing with steel wire screw sleeve	1
11	Q72312T3M	Seal gasket	1
12	HB00603	Oil level plug	1
13	HB24002	Bottom cover gasket of oil reservior	1
14	HB23001	Bottom cover of oil reservoir housing	1
15	Q72314T3M	Seal ring	1
16	HB00053	O ring	1
17	HB00601	Oil drain plug	1
18	Q1400825	Hexagon head bolt and flat gasket assemblies	10
19	Q61901	Inner hexagon tapered screw plug	1
20	HB00607	Hexagon hollow bolt with hole	4