SINOTRUK HOWO
HW19710 TRANSMISSION
SPARE PARTS CATALOG

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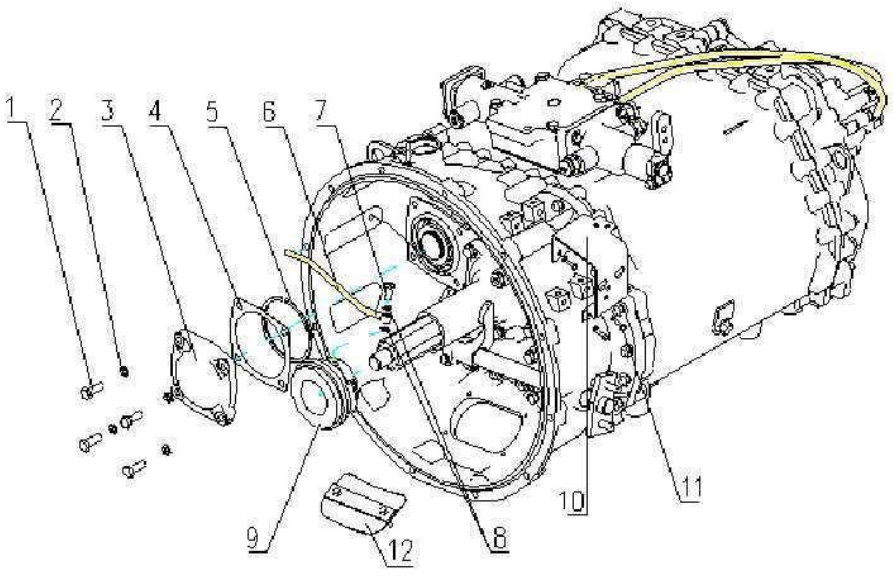
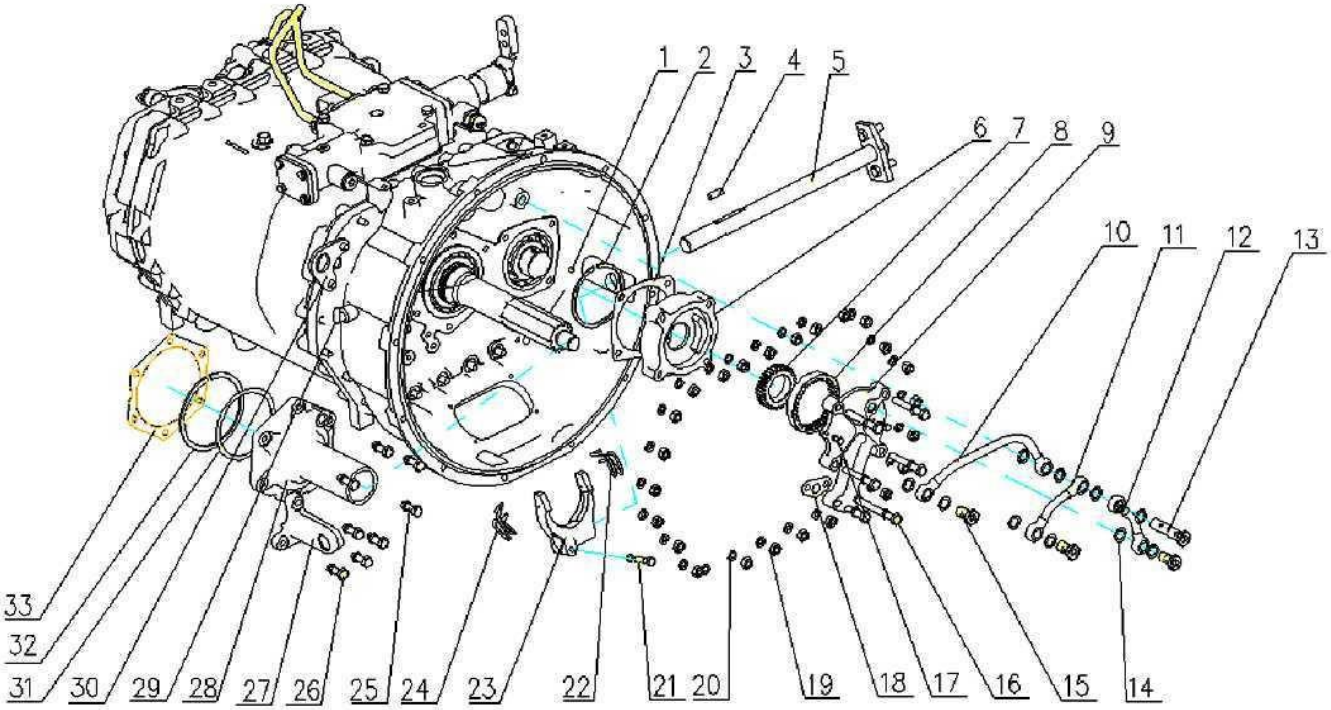
变速器总成（一）



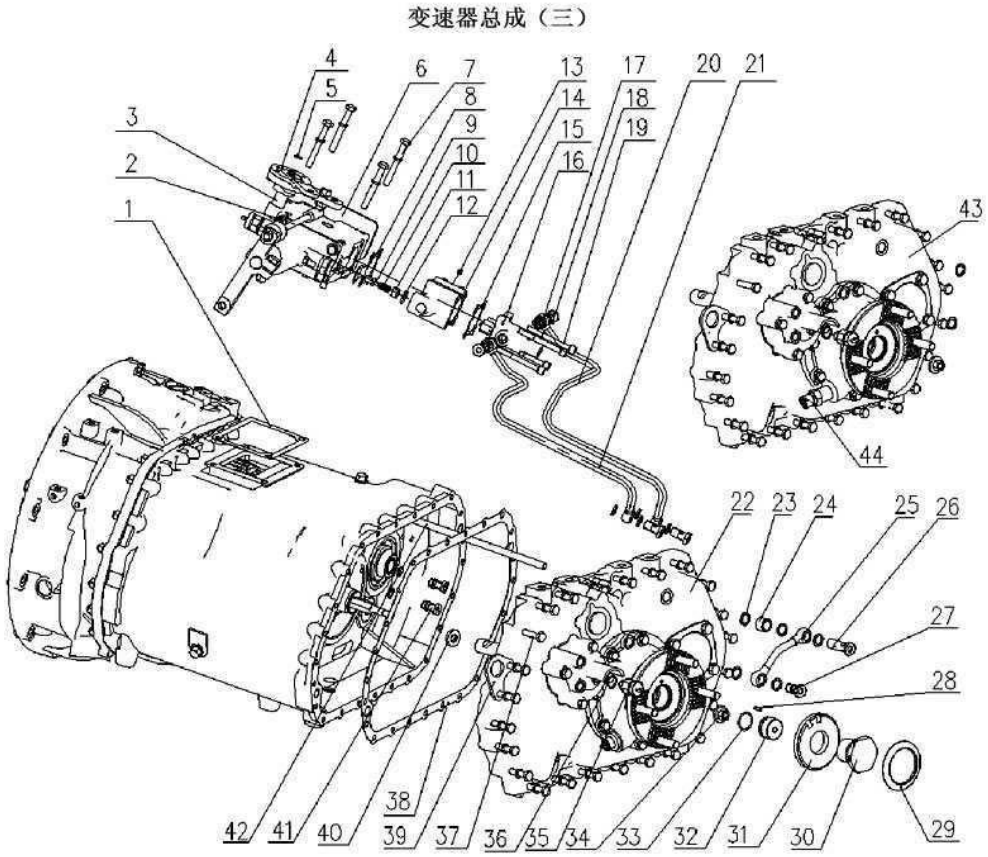
TRANSMISSION ASSY ONE, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
1	Q150B1030	hexagon head bolt	4
02、11	Q40310	elastic gasket	4
3	WG2222000001	vice shaft cap	1
4	WG2229000002	gasket for vice shaft cap	1
5	AZ9003990100	retaining ring	1
6	199000210053	low pressure soft tube	1
7	190003962607	hollow bolt	1
8	Q72310	sealing gasket	2
9	WG2209260005	separating bearing	1
10	WG2229270005	flexible shaft support	1
11	Q150B1020	hexagon head bolt	4
11	Q40310	elastic gasket	4
12	WG2203260011	cap for front housing	1

变速器总成（二）



TRANSMISSION ASSY TWO, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
1	AZ9003338000	steel ball	1
2	AZ9003990100	retaining ring	1
3	WG2229000002	cap pad for deputy gear box	1
4	Q5510825	flat key	1
5	WG2203260003	shifting shaft assy	1
6	AZ2222240001	oil pump body	1
7	AZ2210240001	driving gear of oil pump	1
8	AZ2210240002	annular gear of oil pump	1
9	AZ2222240002	cap for oil pump	1
10	AZ2203240003	oil inlet pipe	1
11	AZ2203240002	oil inlet pipe for input shaft	1
12	AZ2203240001	oil outlet pipe	1
13	AZ9003961670	hollow bolt	1
14	Q72316	sealing gasket	10
15	190003962627	hollow bolt	3
16	Q150B1090	hexagon head bolt	1
16	Q150B1040	hexagon head bolt	1

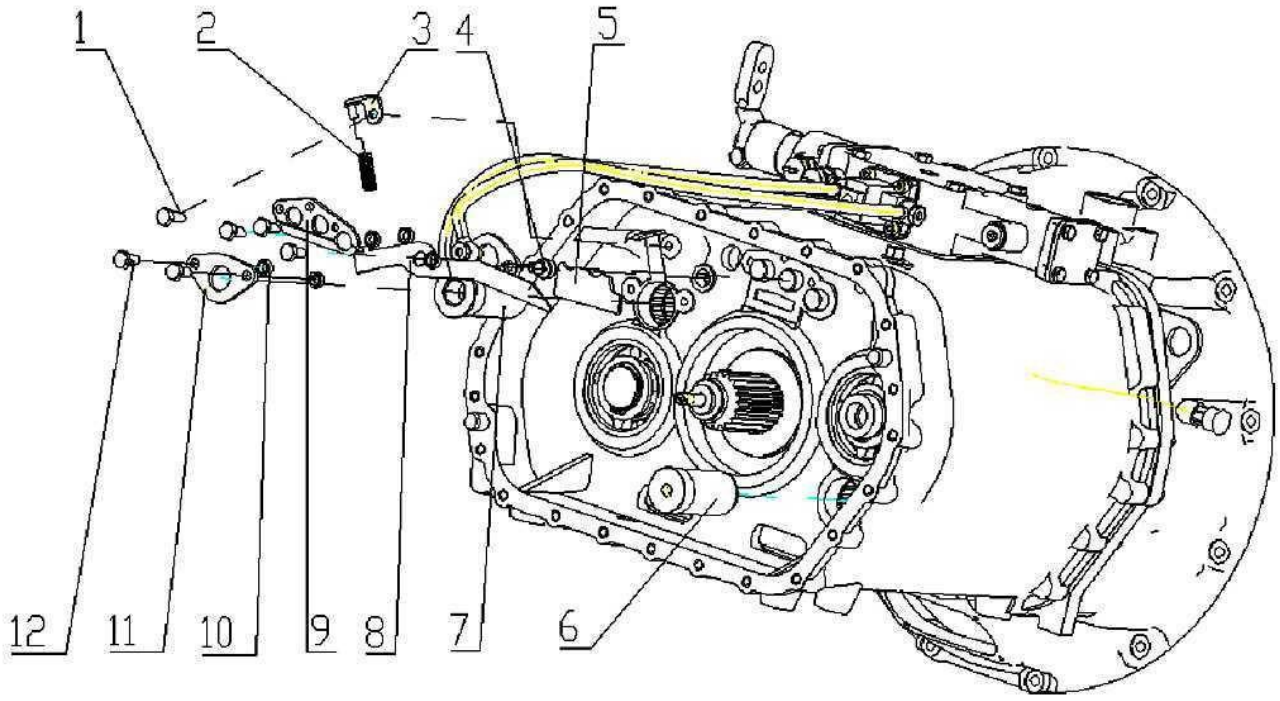
16	Q150B1070	hexagon head bolt	4
16	Q40110	flat gasket	2
16、20、25、26	Q40310	spring gasket	4
17	Q150B0618	hexagon head bolt	1
17	Q40306	spring gasket	1
18	WG2229240003	paper pad for oil inlet pipe	1
19	Q341B10	hexagon nut	25
20	Q40310	spring gasket	25
21	Q150B0835	hexagon head bolt	1
21	Q40308	spring gasket	1
22	AZ2214260010	levo-rotating clip	1
23	WG2214260010	clutch separating shifting fork	1
24	AZ2214260015	dextro-rotating clip	1
25	WG9003801030	bolt set	5
25	Q40310	spring gasket	5
26	Q150B1050	hexagon head bolt	1
26	Q150B1030	hexagon head bolt	2
26	Q40310	spring gasket	3
27	AZ2203260101	shifting shaft support assy	1
28	AZ2203020106	input shaft cap and oil-guiding ring	1
28	AZ2203020108	input shaft cap and oil-guiding ring	1
29	190003963127	grease nipple	1
30	WG2229000003	hoisting plate	1
31	AZ2208020002	input shaft bearing adjusting pad set	need
32	AZ9003990120	retaining ring	1
33	WG2229020008	paper pad for input shaft cap	1



TRANSMISSION ASSY THREE, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
1	WG2229210025	paper pad	1
2	WG2229210041	supporting rod	1
3	WG2229270003	selector supporting shaft	1
4	WG2229210040	selector rod assy	1
5	Q43112	elastic retaining ring for shaft	1
6	AZ2203210040	10 gear cover (double rod)	1
7	Q150B1085	hexagon head bolt	4
07、37	Q40310	spring gasket	4
8	AZ2229250023	paper pad for air control valve	1
9	AZ2229250015	retaining ring	1
10	AZ2229250004	spring	1
11	AZ2229250017	bushing	1
12	AZ9003071700	O-ring	1
13	WG2229250006	through joint	1
14	AZ2203250010	air control retaining valve	1
15	AZ2229250024	gasket for double-H valve	1
16	AZ2203250003	double-H valve	1

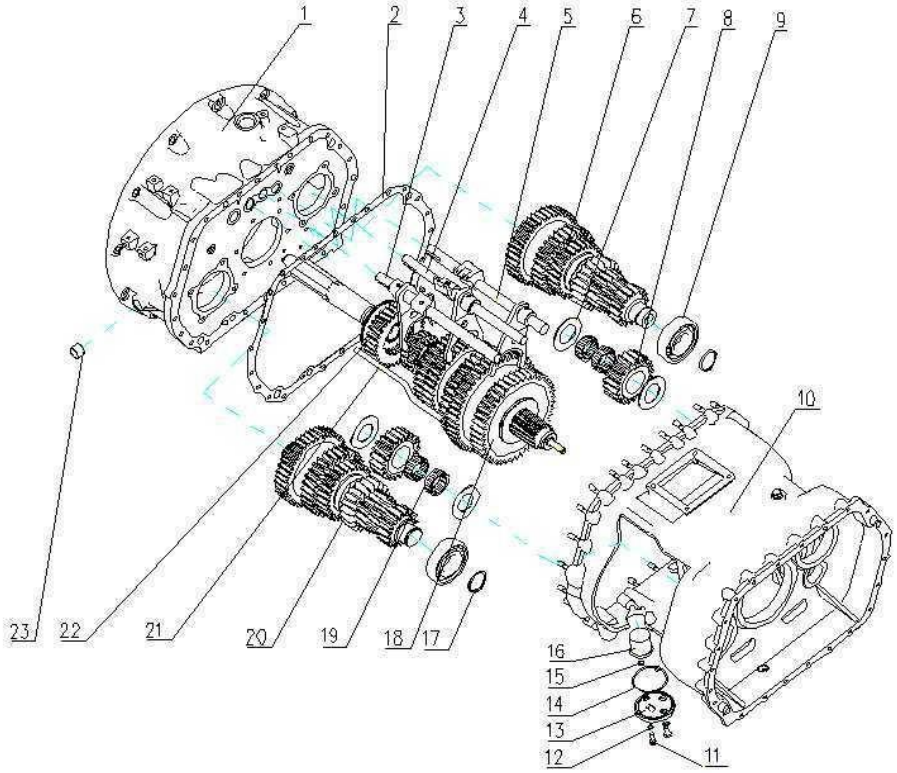
17、41	Q72314	sealing gasket	8
18、41	190003962621	hollow bolt	4
19	Q218B0880	inner hexagon column head screw	4
19	Q40308	spring gasket	4
20	WG2203250019	range tube assy (high gear)	1
21	WG2203250018	range tube assy (low gear)	1
22	AZ2203100040	range deputy gear box	1
23	Q72316	sealing gasket	5
24	WG2229240010	bushing	1
25	AZ2203240004	oil inlet pipe for deputy gear box	1
26	AZ9003961650	hollow bolt	1
27	190003962627	hollow bolt	1
28	Q5280514	elastic column pin	1
29	WG2229100074	locking pad	1
30	WG2229100073	bolt	1
31	WG2229100072	pressing plate	1
32	WG2229100071	blocker	1
33	AZ9003073150	O-ring	1
34	WG2229100011	fixing nut	1
35	WG9100710069	pressure switch	1
36	WG2229280001	sealing gasket	1
37	Q150B1060	hexagon head bolt	6
37	Q150B1050	hexagon head bolt	16
37	AZ9003801058	hexagon head bolt	2
37	Q40310	spring gasket	24
38	WG2229100062	paper pad for deputy gear box	1
39	WG2229100061	hoisting plate	1
40	AZ2208040002	adjusting pad set for main shaft	1
41	190003962621	hollow bolt	2
41	Q72314	sealing gasket	4
42	AZ2229240108	tube-2 inside gear box	1
43	AZ2203100042	deputy gear box assy	1
44	WG2209280010	milometer sensor	1

变速器总成（四）



TRANSMISSION ASSY FOUR, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
1	Q150B1020	hexagon head bolt	1
2	WG2229210019	range lock spring	1
3	WG2203100012	spring positioning pin	1
4	WG2229100056	lock plate pin	1
5	WG2229100175	base plate	1
6	WG2212050102	idling shaft (right)	1
7	WG2212050101	idling shaft (left)	1
8	WG2229100173	lock plate for main and vice box	1
9	WG2229100174	big pressing plate	1
10	WG2229100054	block for pressing plate	5
11	WG2229100052	small pressing plate	1
12	Q150B1025	hexagon head bolt	5

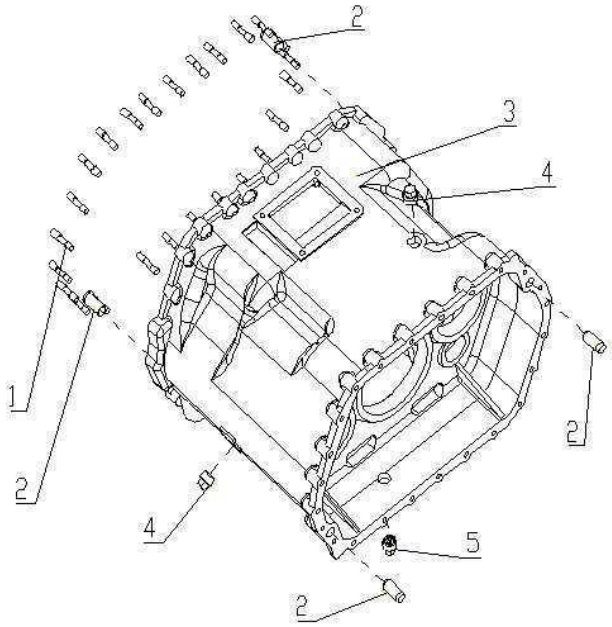
变速器总成（五）



TRANSMISSION ASSY FIVE, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
1	AZ2220000101	front housing of transmission	1
2	WG2229000001	gasket of front housing	1
3	AZ2203220103	shifting shaft for third and forth gear	1
4	AZ2203220010	shifting shaft for first and second gear	1
5	AZ2203220101	shifting shaft for reverse gear	1
6	AZ2203030206	counter shaft assy (right)	1
7	WG2229050001	gakset	4
8	WG2210050001	idler	2
9	AZ9003320309	column roller bearing	2
10	AZ2203010101	middle housing of transmission	1
11	Q150B0822	hexagon head bolt	2
12	Q40308	spring gasket	2
13	WG2222240005	cap for strainer	1
14	AZ9003077100	O-ring	1
15	AZ9003070085	O-ring	2
16	AZ2203240007	strainer	1
17	Q43145	elastic retaining ring for shaft	2

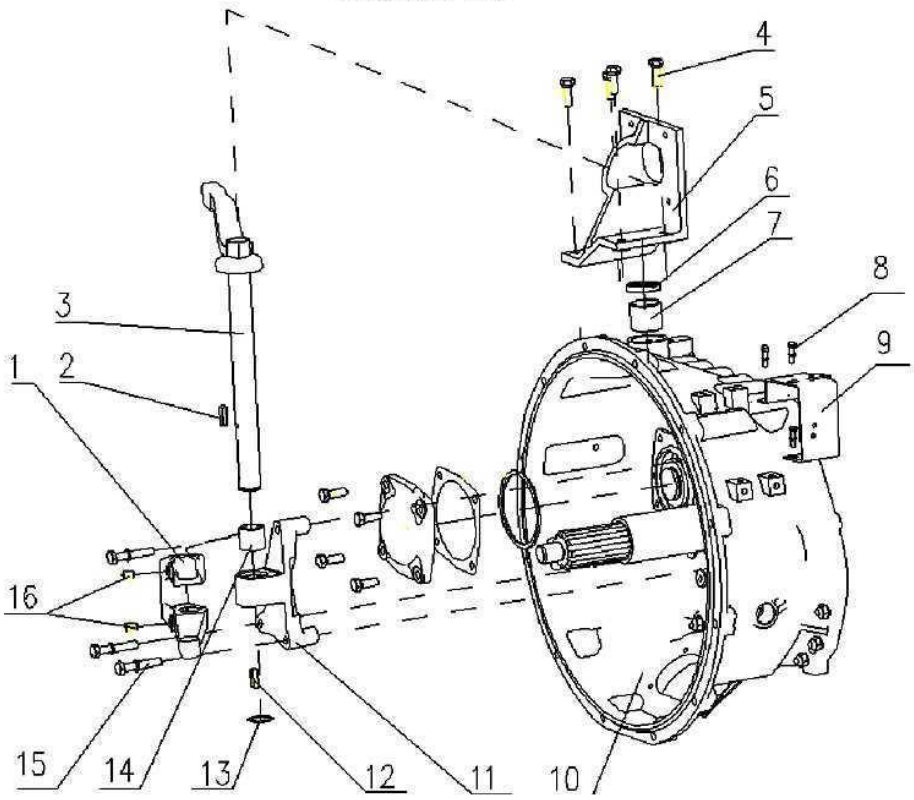
18	AZ2203040205	main shaft assy	1
19	AZ9003395320	kingpin bearing	4
20	AZ2203030205	counter shaft assy (left)	1
21	WG2229240107	tube-1 inside gear box	1
22	AZ2203020205	input shaft and first shaft gear	1
22	AZ2203020206	input shaft and first shaft gear	1
23	WG2229002520	compound bushing	1

变速器总成（六）



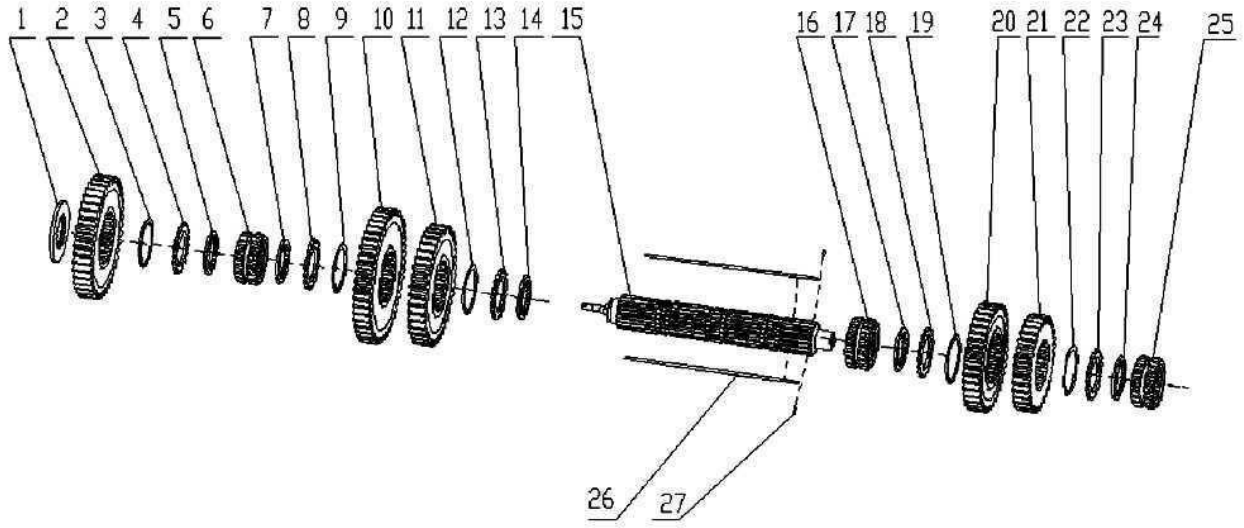
TRANSMISSION ASSY SIX, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
1	Q1231035	column head bolt	23
1	Q1231040	column head bolt	2
2	AZ2229010001	positioning pin	4
3	AZ2220010102	middle shell of transmission	1
4	WG2229010002	screw plug	2
5	WG2203010002	drain plug	1

变速器总成（七）



TRANSMISSION ASSY SEVEN, HW19710			
Serial	Number	Name	Quantity
1	AZ2214260001	clutch separating fork	1
02、12	Q5510825	flat key	1
3	AZ2203260002	shifting shaft	1
4	Q150B1030	hexagon head bolt	4
04、08、15	Q40310	spring gasket	4
5	AZ2229260015	booster cylinder support	1
6	WG2229003030	compound bushing 30×34×30	1
7	AZ9003073001	framework seal	1
8	Q150B1020	hexagon head bolt	4
8	Q40310	spring gasket	4
9	WG2229270004	soft shaft support (pulling type)	1
10	AZ2220000001	front shell of transmission	1
11	AZ2229260001	shifting shaft support	1
12	Q5510825	flat key	1
13	Q43130	elastic retaining ring for shaft	1
14	WG2229003030	compound bushing 30×34×30	1
15	AZ9003801062	hexagon head bolt	3
15	Q40310	spring gasket	3
16	Q2881016F9	inner hexagon cone point screw	2

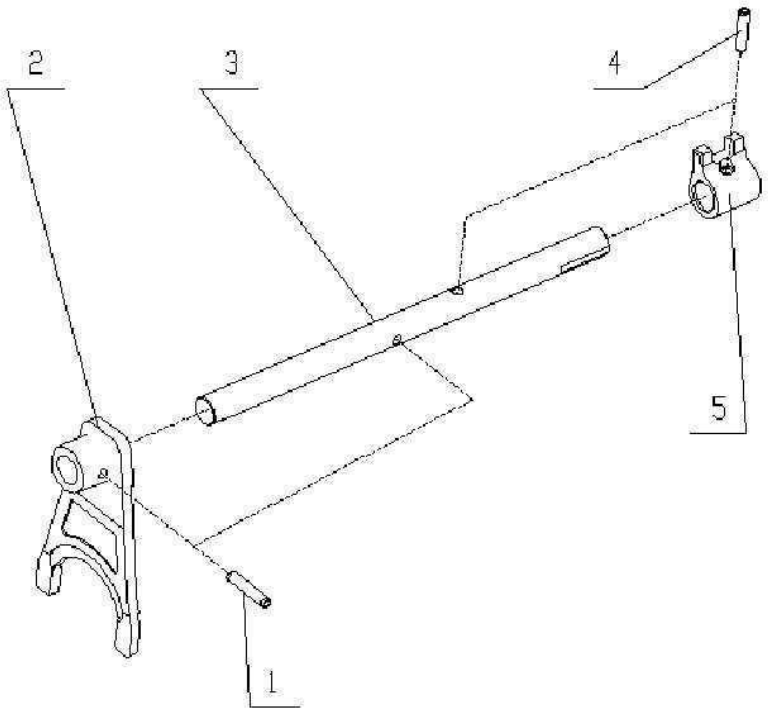
主轴总成



MAIN SHAFT, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203040405	main shaft assy	
1	WG2210040002	main shaft blade	1
2	AZ2210040207	main shaft reverse gear	1
03、09、12、19、22	WG2229040003	clip ring	1
04、08、13、18、23	WG2210040012	splined blade	1
05、07、17	WG2210040021~24	splined adjuster	1
06、16、25	WG2210040210	main shaft sliding sleeve	1
7	WG2210040021~24	splined blade	1
8	WG2210040012	splined blade	1
9	WG2229040003	clip ring	1
10	AZ2210040230	first gear for main shaft	1
11	AZ2210040206	second gear for main shaft	1
12	WG2229040003	clip ring	1
13	WG2210040012	splined blade	1
14、24	WG2210040023	splined adjuster	1
15	WG2203040009	main shaft with ball head	1
16	WG2210040210	sliding sleeve for main shaft	1

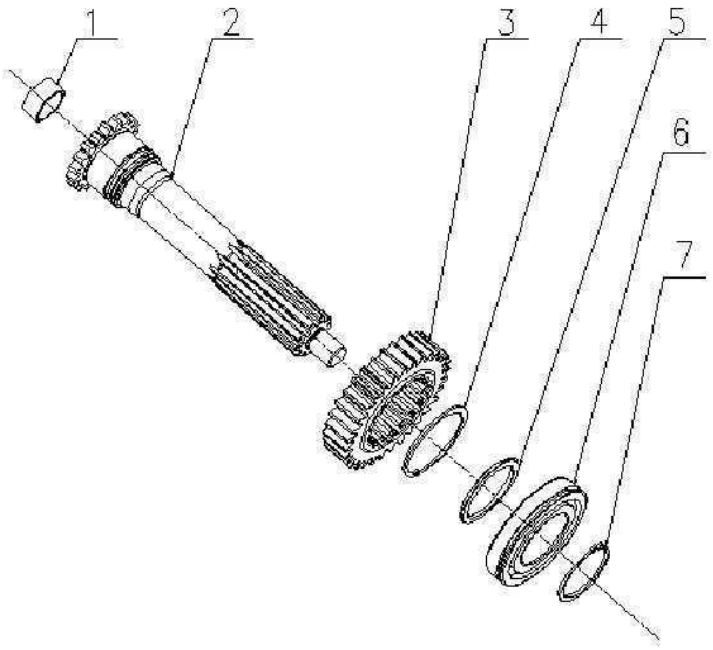
17	WG2210040021~24	splined adjuster	1
18	WG2210040012	splined blade	1
19	WG2229040003	clip ring	1
20	AZ2210040225	third gear for main shaft	1
21	AZ2210040224	fourth gear for main shaft	1
22	WG2229040003	clip ring	1
23	WG2210040012	splined blade	1
24	WG2210040023	splined adjuster	1
25	WG2210040210	sliding sleeve for main shaft	1
26	Q5280310	elastic column pin	2
27	WG2229040211	hex-key	2

一、二档拨叉轴总成



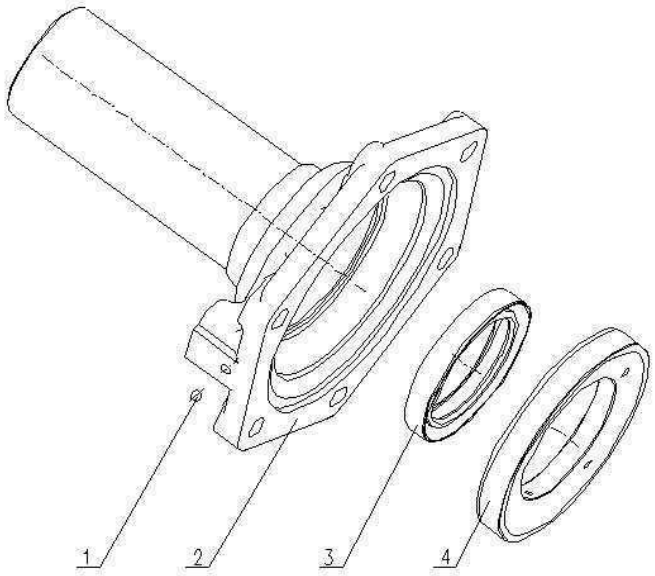
FIRST AND SECOND GEAR SHIFTER SHAFT, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203220010	first and second gear shifter shaft assy	
1	AZ2229220002	pin	1
2	WG2214220001	shifter	1
3	WG2212220102	first and second gear shifter shaft	1
4	AZ2229220001	pin	1
5	AZ2214220004	forward gear shifter set	1

输入轴及一轴齿轮总成



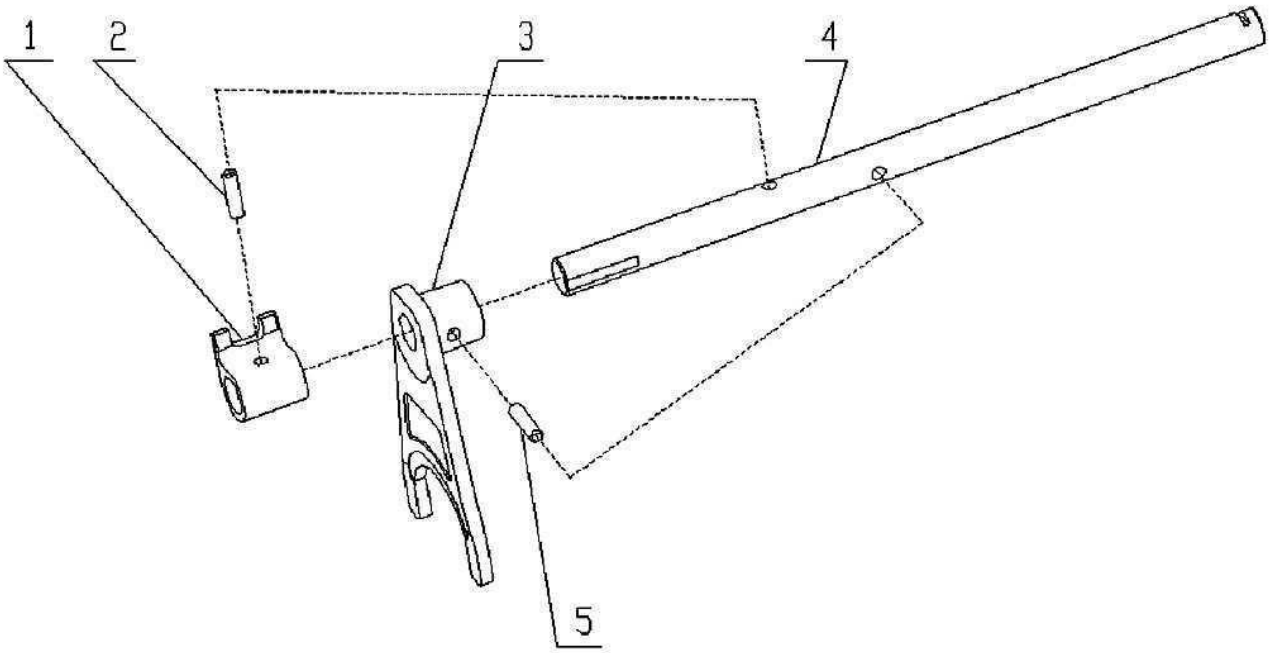
INPUT SHAFT AND FIRST SHAFT GEAR, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
	AZ2203020014	input shaft and first shaft gear assy	
1	WG2229020005	bushing	1
2	WG2210020101	input shaft	1
2	AZ2210020105	input shaft	1
3	AZ2210020222	first shaft	1
4	WG2229040003	clip ring	1
5	WG2229040103	spacer bush	1
6	AZ9003326213	roling bearing	1
7	AZ2208020001	clip ring component	1

输入轴端盖及导油环



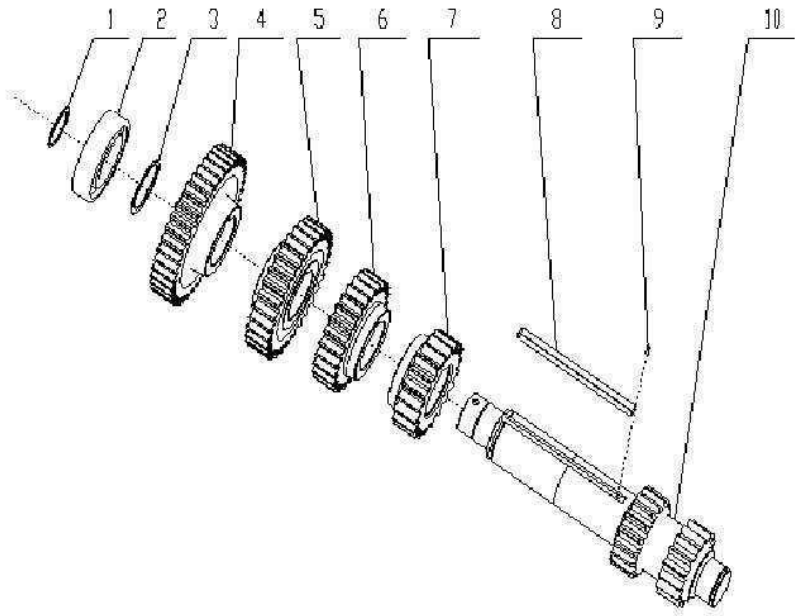
INPUT SHAFT CAP AND OIL RING, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203020106(AZ2203020108)	input shaft cap and oil ring assy	
1	AZ9003335500	steel ball	1
2	WG2222020101	input shaft cap (pushing type cluth)	1
2	WG2222020001	input shaft cap (pulling type clutch)	1
3	AZ9003070055	framework oil seal	1
4	AZ2229020007	oil ring	1

三、四档拨叉轴总成



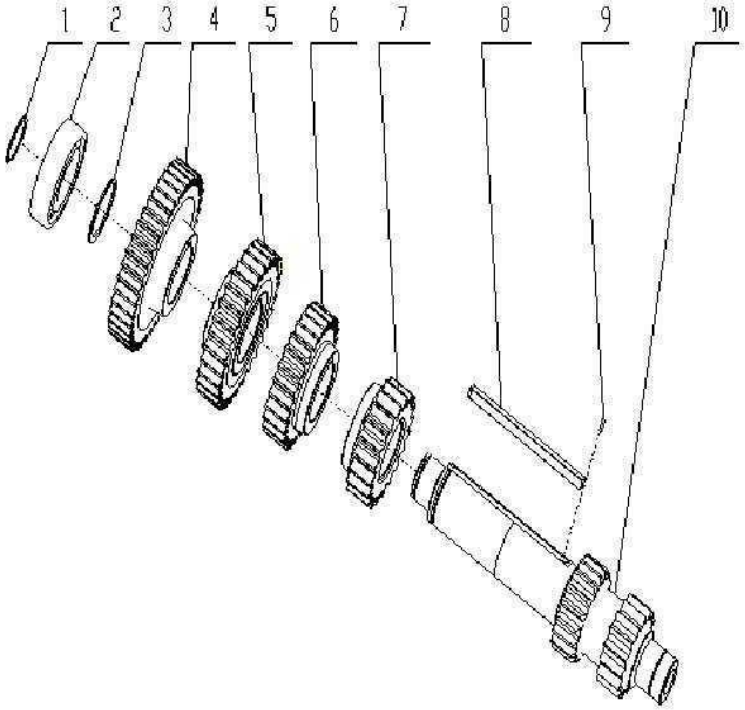
THIRD AND FORTH GEAR SHIFTER SHAFT, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203220103	third and forth gear shifter shaft assy	
1	WG2214220003	forward gear shifting set	1
2	AZ2229220001	pin	1
3	WG2214220001	shifting fork	1
4	WG2212220103	third and forth gear shifter shaft	1
5	AZ2229220002	pin	1

副轴总成（左）



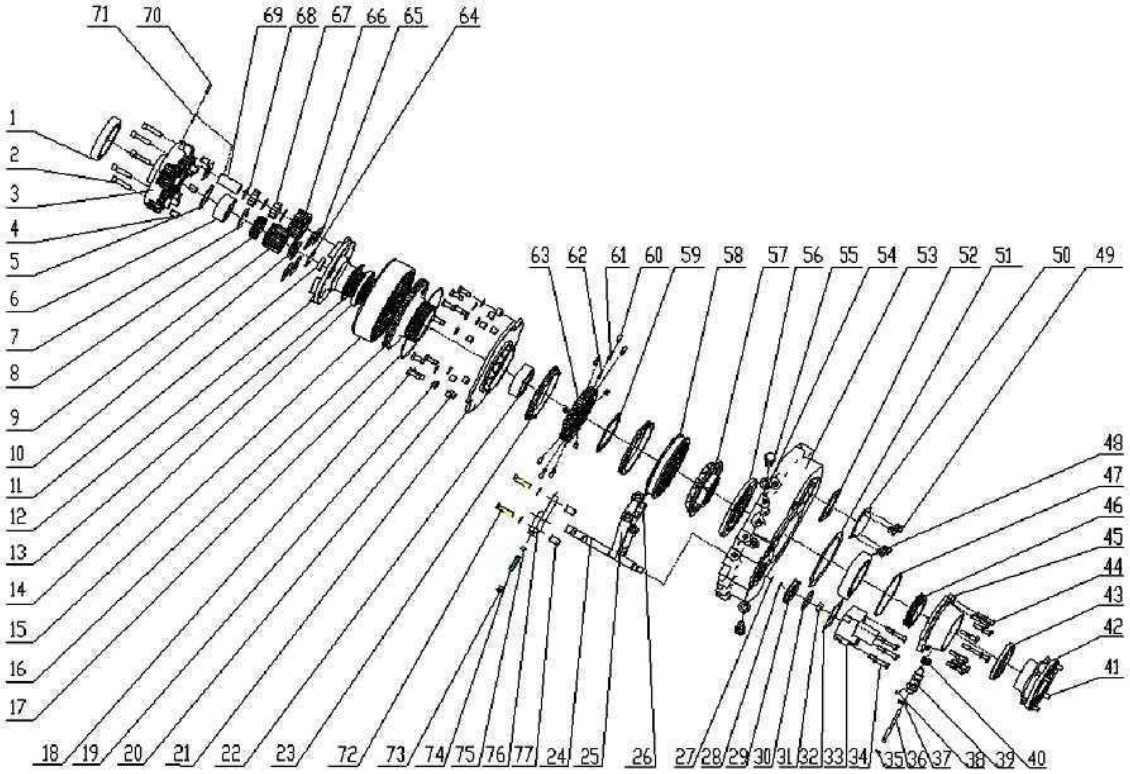
COUNTER SHAFT LEFT, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203030209	counter shaft assy(left)	
1	Q43145	elastic retainer ring for shaft	1
2	AZ9003329309	column rolling bearing with snap ring groove	1
3	Q43160	elastic retainer ring for shaft	1
4	AZ2210030227	driving gear of counter shaft	1
5	AZ2210030226	forth gear of counter shaft	1
6	AZ2210030224	third gear of counter shaft	1
7	AZ2210030203	second gear of counter shaft	1
8	WG2229030101	long flat key	1
9	Q5280514	elastic column pin	1
10	AZ2210030220	counter shaft (left)	1

副轴总成（右）



COUNTER SHAFT RIGHT, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203030210	counter shaft assy (right)	
1	Q43145	elastic retainer ring for shaft	1
2	AZ9003329309	column rolling bearing with snap ring groove	1
3	Q43160	elastic retainer ring for shaft	1
4	AZ2210030227	driving gear of counter shaft	1
5	AZ2210030226	forth gear of counter shaft	1
6	AZ2210030224	third gear of counter shaft	1
7	AZ2210030203	second gear of counter shaft	1
8	WG2229030101	long flat key	1
9	Q5280514	elastic column pin	1
10	AZ2210030215	counter shaft (right)	1

范围档副箱总成

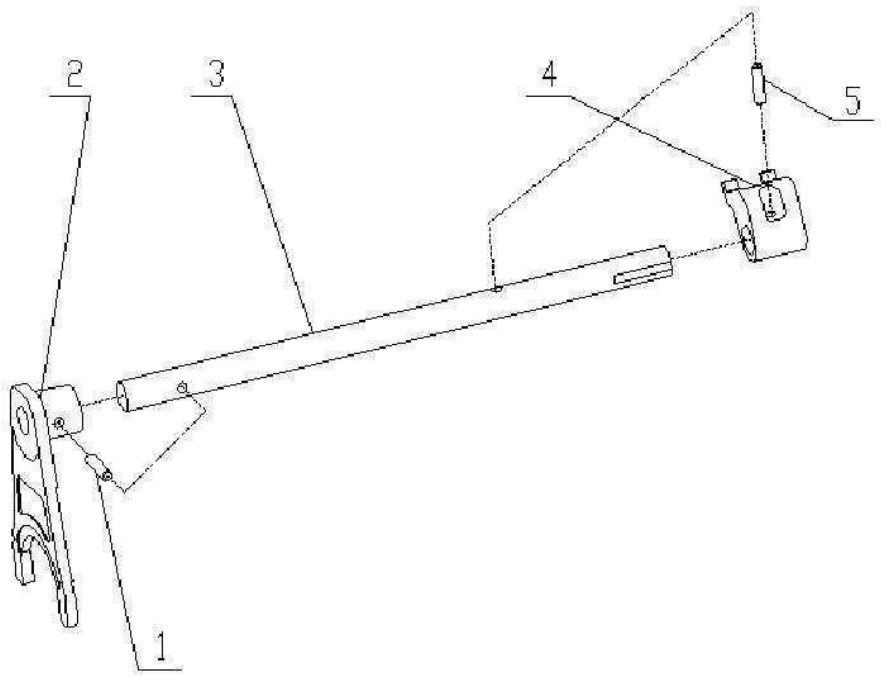


DEPUTY RANGE GEAR BOX, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203100042	deputy range gear box	
1	AZ9003326020	rolling bearing	1
2	AZ9003821255	inner-hexagon column head screw	5
3	AZ2225100002	front planet carrier	1
4	WG2229100001	bushing	5
5	AZ2229100005	front gasket for sun wheel	1
6	AZ2210100002	splined bushing	1
7	Q43875	retaining ring	1
8	AZ2210100003	transition bushing	1
9	WG2210100001	sun wheel	1
10	AZ2229100006	rear gasket for sun wheel	1
11	AZ9003326322	rolling bearing	1
12	AZ2225100001	output shaft	1
13	AZ9003991125	flatten retaining ring	1
14	AZ9003321820	rolling bearing	1
15	WG2210100005	annular gear	1
16	WG2210100006	gear ring carrier	1

17	WG2229100012	steel wire retaining ring	1
18	Q150B1235	hexagon head bolt	7
19	Q40112	flat gasket	7
20	WG2229100002	transition bushing	7
21	AZ2203100005	low gear cone hub	1
22	WG2229100032	spacer bush	1
23	WG2210100009	range synchronous ring	2
24	WG2214100003	range shift rod	1
25	WG2214100001	range shift fork	1
26	WG2229100042	shifter set	2
26	WG2229100042A	shifter set	
27	AZ9003072503	O-ring	1
28	AZ9003071700	O-ring	1
29	WG2229100045	range piston	1
30	AZ9003076900	O-ring	1
31	AZ9003870016	hexagon nut	1
32	WG2229100046	range paper pad	1
33	WG2222100003	range cylinder	1
34	Q150B1065	hexagon bolt	4
34、44	Q40310	spring gasket	4
35	AZ9003071001	milometer joint oil ring	1
36	AZ2212100002	milometer little gear shaft	1
37	AZ9003072500	O-ring	1
38	Q5220526	column pin	1
39	WG2222100002	milometer joint	1
40	AZ2210100016	milometer little gear	1
41	Q151B1450	hexagon bolt	4
42	WG2210100018	output flange	1
43	AZ9003070105	framework oil seal	1
44	Q150B1055	hexagon bolt	6
44	Q170B1055	hexagon bolt with hole on head	1
44	AZ9003801087	hexagon bolt	1
44	Q40310	spring gasket	8
45	WG2222100001	output shaft rear cap (for worm gear)	1
45	WG2222100005	output shaft rear cap (for electromagnetic gear)	1
46	WG2210100015	milometer worm (for worm gear)	1
46	AZ2210100020	sensor gear ring (for electromagnetic gear)	1
47	AZ2208100003	adjusting gasket set	1
48	AZ9003326218	rolling bearing	1
49	Q150B1216	hexagon bolt	4
49	Q40312	spring gasket	4
50	AZ2229100047	cover plate for hole for PTO shaft	1

51	WG2229100041	paper pad for rear cap of output shaft	1
52	AZ2229100048	pad for cover plate	1
53	AZ2220100105	rear cover for transmission	1
54	AZ9003990024	wave form elastic gasket	2
55	AZ2229100043	shifting fork supporting pin	2
56	AZ2203100007	oil ring assy	1
57	AZ2203100006	high gear cone hub assy	1
58	WG2210100008	range synchronizing sleeve	1
59	AZ9003991130	elastic retaining ring for shaft	1
60	WG2229020001	synchronizing block	9
61	WG2229020002	outer spring for block	9
62	WG2229020003	inner spring for block	9
63	WG2210100007	range synchronizing gear seat	1
64	AZ9003991056	elastic retaining ring for hole	1
65	WG2229100008	gasket for planet gear	10
66	WG2210100004	planet gear	5
67	AZ9003321118	column roller	120
68	WG2229100007	spacing pieace for roller	15
69	WG2212100001	shaft for planet gear	5
70	Q5280630	elastic column pin	5
71	Q5280430	elastic column pin	5
72	Q150B1250	hexagon head bolt	2
72	Q40112	flat gasket	2
73	AZ9003960007	inner hexagon plug screw	1
74	WG2229210019	range lock spring	1
75	AZ9003331349	steel ball	1
76	AZ2229100029	range blocker	1
77	WG2229100003	transition bushing	2

倒档拨叉轴总成



REVERSE GEAR SHIFTING SHAFT, HW19710			
powered by CHINA HEAVY TRUCK PARTS STORE CO LTD, www.sinotruk-parts-store.com			
Serial	Number	Name	Quantity
-	AZ2203220001	reverse gear shifting shaft assy	
1	AZ2229220002	pin	1
2	WG2214220001	shifting fork	1
3	WG2212220001	reverse gear shifting shaft	1
4	WG2214220002	reverse gear shifting set	1
5	AZ2229220001	pin	1