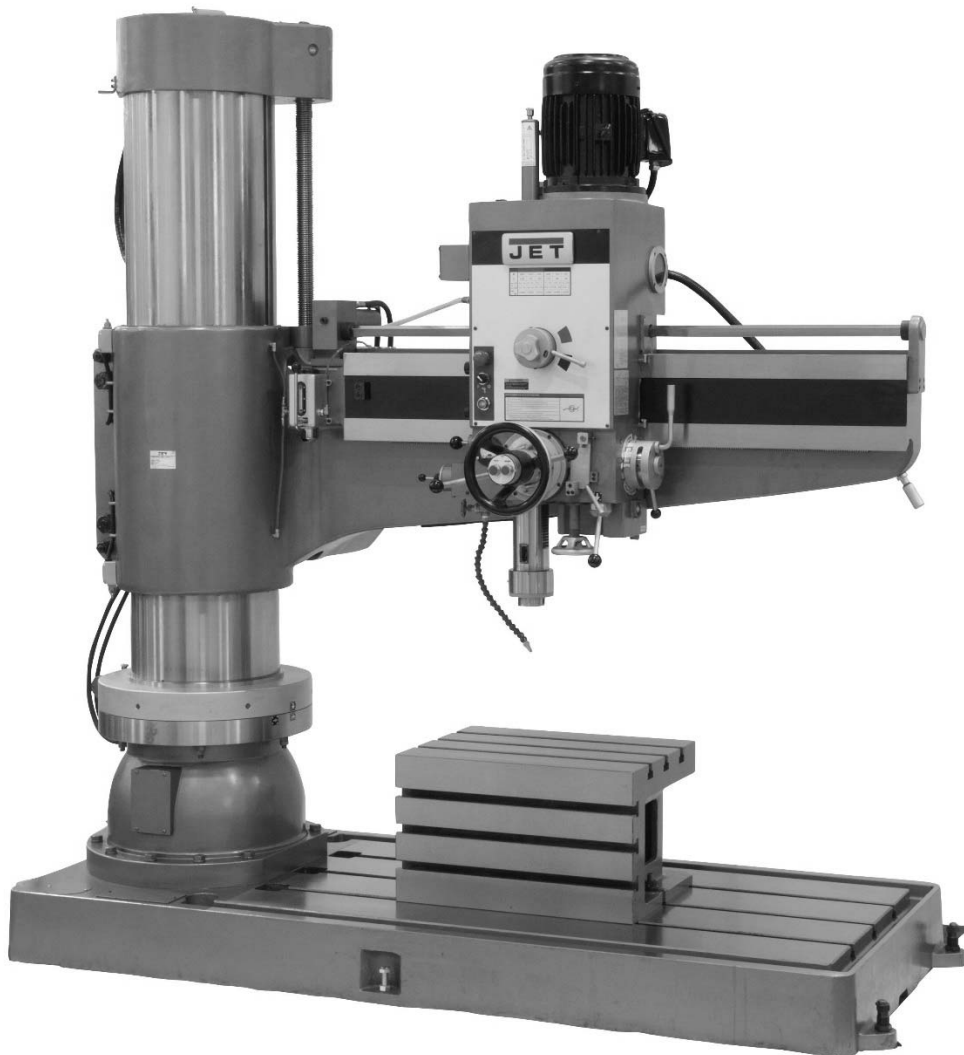




Operating Instructions and Parts Manual

5-ft. Radial Arm Drill Press

Models J-1600R, J-1600R-4



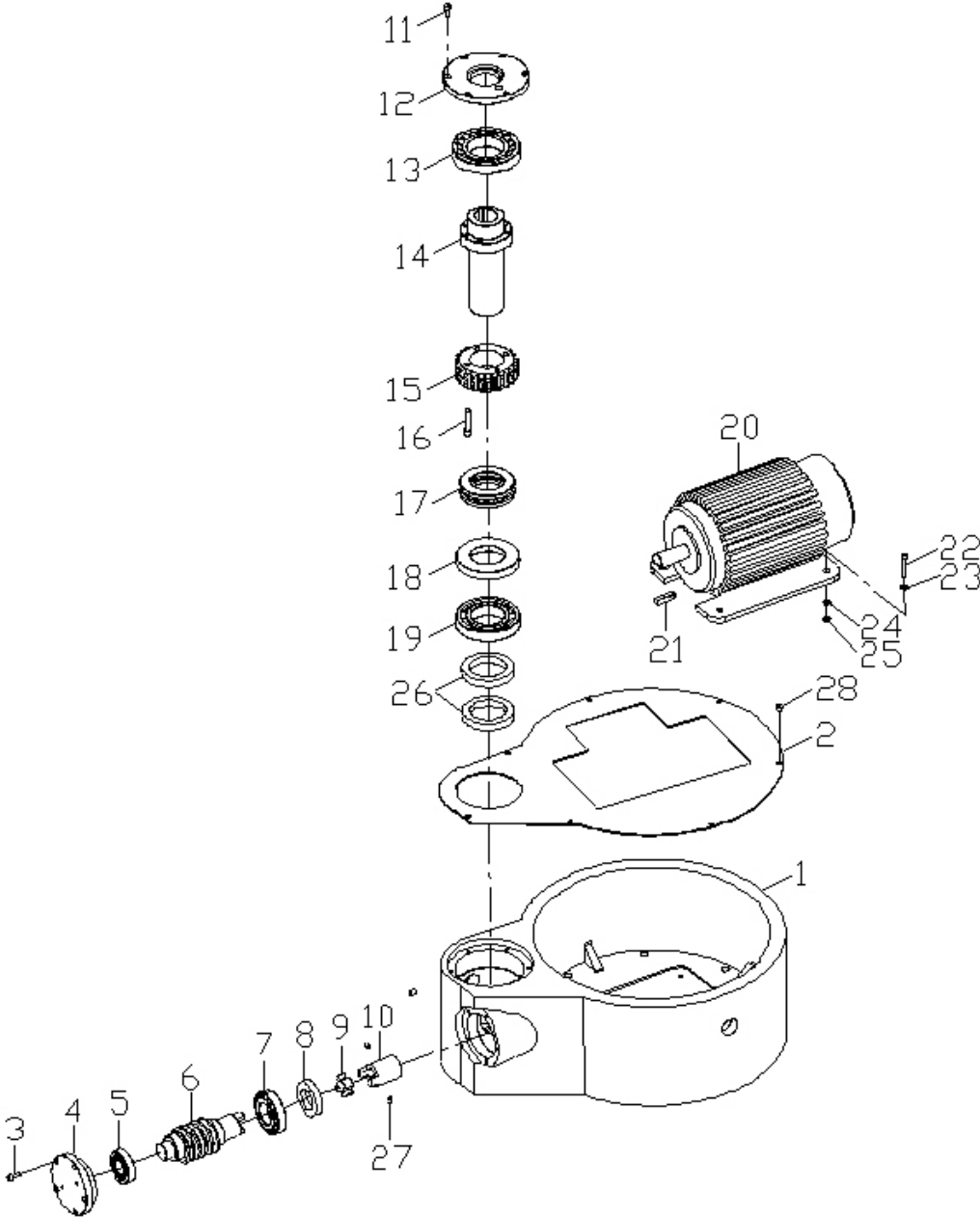
JET
427 New Sanford Road
LaVergne, Tennessee 37086
Ph.: 800-274-6848
www.jettools.com

Part No. M-320038
Revision H 01/2016
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13.0 Replacement Parts – J-1600R Radial Arm Drill

Replacement parts are listed on the following pages. To order parts or reach our service department, call 1-800-274-6848 Monday through Friday, 8:00 a.m. to 5:00 p.m. CST. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately.

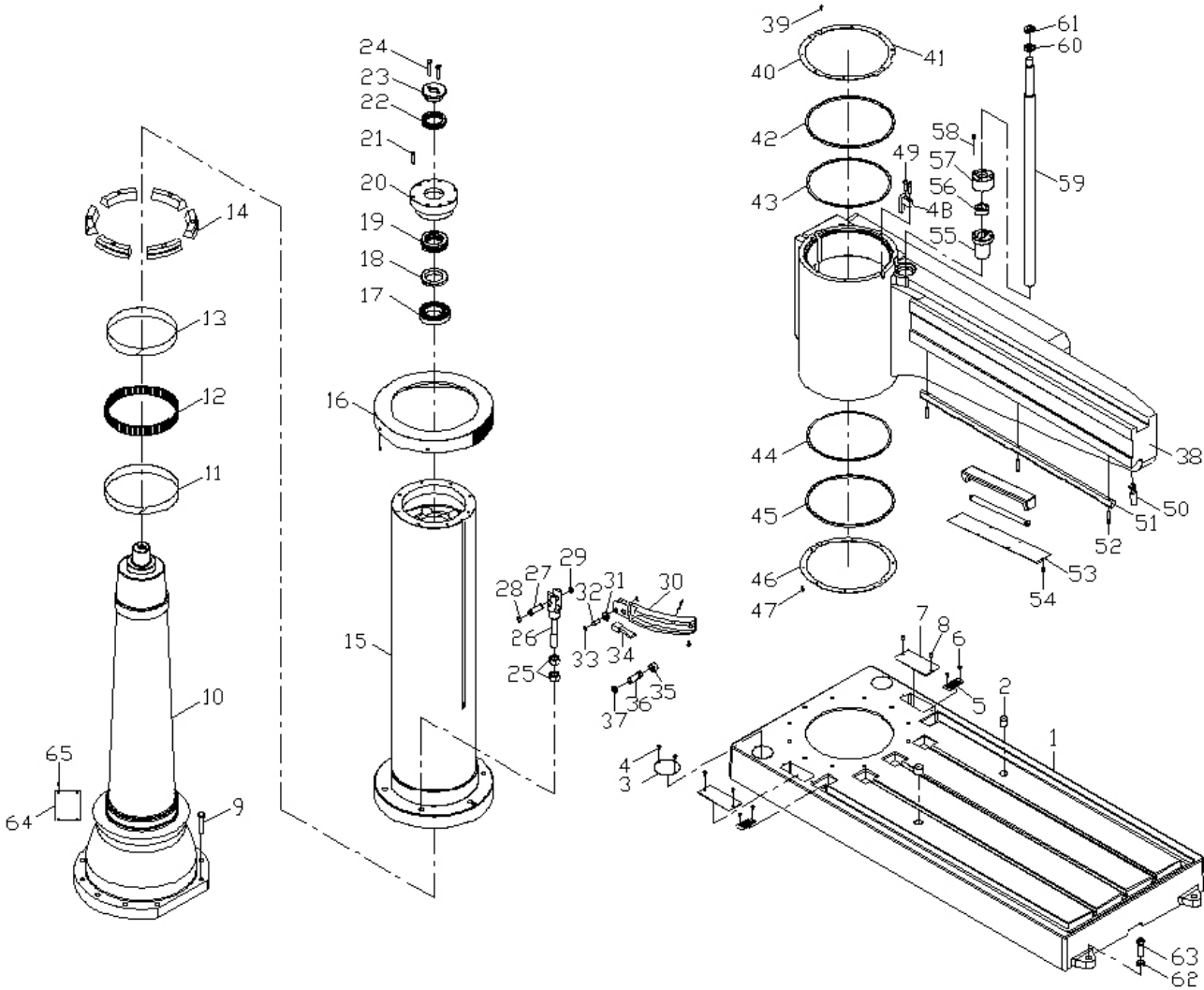
13.1.1 Riser Mechanism: Exploded View



13.1.2 Riser Mechanism: Parts List

Index No.	Part No.	Description	Size	Qty
1	J-5241361G	Column Cover		1
2	10431G	Nut Cover Seat		1
3	TS-1503041	Socket Head Cap Screw	M6x16L	5
4	J-524124G	Bearing Cover		1
5	BB-30206	Bearing	30206	1
6	5241261	Worm Shaft		1
7	BB-30208	Bearing	30208	1
8	5241281	Oil Seal	TC40x65x12	1
9	5241291	Adapting Sheet		1
10	5241311	Adaptor		1
11	TS-1503041	Socket Head Cap Screw	M6x16L	6
12	J-524148G	Compressing Cover		1
13	524147	Bearing	30213	1
14	5241451	Elevating Shaft		1
15	5241441	Worm Gear		1
16	TS-1504081	Socket Head Cap Screw	M8x40L	4
17	524142	Bearing	51212	1
18	524141	Collar		1
19	524139	Bearing	6212	1
20	J-5241381	Motor (for arm elevation)	2HP, 230/460V, 60Hz	1
21	524133	Key	8mmx35L	1
22	TS-1503091	Socket Head Cap Screw	M6x40L	4
23	TS-1550041	Flat Washer	M6	4
24	TS-2361061	Spring Washer	M6	4
25	TS-1540041	Nut	M6	4
26	524137	Oil Seal	TC60x82x12	2
27	TS-1523021	Set Screw	M6x8L	2
28	TS-1534032	Pan Head Machine Screw	M6x10L	7

13.2.1 Column and Base: Exploded View

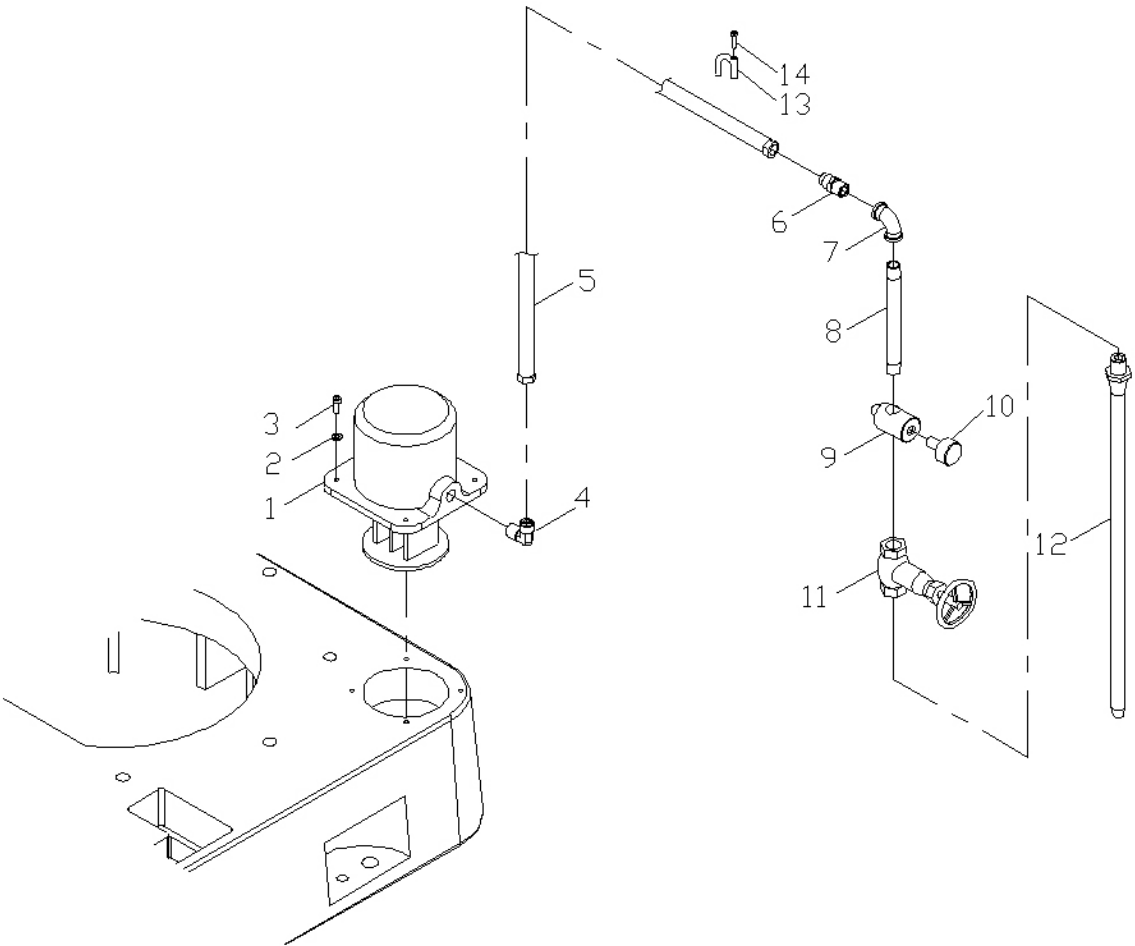


13.2.2 Column and Base: Parts List

Index No.	Part No.	Description	Size	Qty
1	J-524389G	Base		1
2	524391	Cover		2
3	J-524393G	Cover		1
4	524394	Pan Head Machine Screw	3/16"x3/8"L	2
5	10277	Filter Screen		2
6	524394	Bolt	3/16"x3/8"L	4
7	J1600R-307G	Cover		2
8	TS-1534042	Pan Head Machine Screw	M6x12L	4
9	524392	Bolt	M20x110L	11
10	J-524395G	Internal Column		1
	524398	Needle Roller (includes #11,12,13)		1
11		Steel Band		1
12		Needle		129
13		Steel Band		1
14	524401	Wedge		6
15	524404	External Column		1
16	524399	Locking Cover		1
17	BB-6218	Bearing	6218	1
18	524407	Collar		1
19	BB-51218	Bearing	51218	1
20	524405	Fixed Bearing Cover		1
21	TS-1505101	Socket Head Cap Screw	M10x60L	6
22	BB-51118	Bearing	51118	1
23	J1600R-323	Spindle Sleeve		1
24	5232951	Bolt	1/2"-12Nx3L	2
25	5233111	Nut	5/8"-11UNC	12
26	524425	Elevating Shaft		6
27	524427	Fixing Shaft		6
28	HVBS462-060	Retainer	S10	6
29	HVBS462-060	Retainer	S10	6
30	5244291	Slip Block		6
31	5244361	Roller		6
32	524435	Fixing Shaft		6
33	618M-158	Retainer	S9	12
34	524428	Slip Bracket		6
35	524431	Roller		6
36	524432	Slip Bar		6
37	524433	Washer		6
38	J-524439G	Arm		1
39	TS-1534032	Pan Head Machine Screw	M6x10L	10
40	524437G	Cover		1
41	524437AG	Cover (notched)		1
42	524438	Gasket	U-10-16-14	1
43	J1600R-343	Dust Seal	5mm	1
44	J1600R-343	Dust Seal	5mm	1
45	524438	Gasket	U-10-16-14	1
46	524411G	Cover		2
47	TS-1534032	Bolt	M6x10L	10
48	524441	Key		1
49	TS-1504071	Socket Head Cap Screw	M8x35L	2
50	524442	Handle		1
51	524443	Arm Rack		1
52	524444	Socket Head Cap Screw	M6x40L	3
53	524446	Glass Plate		1
54	5513357	Bolt	3/16"x3/8"L	8
55	10419/6	Brass Sleeve (includes #59 Lead Screw)		1
56	10417	Safety Nut		1
57	10418G	Safety Device Cover		1
58	J1600R-358	Socket Head Cap Screw	M12x95L	4
59	10419/6	Lead Screw (includes #55 Brass Sleeve)		1

Index No.	Part No.	Description	Size	Qty
60	J1600R-360	Setting Nut		1
61	J1600R-361	Setting Nut		1
62	J1600R-362	Nut		4
63	J1600R-363	Bolt		4
64	J1600R-364	Electric Wire Cover		1
65	F001201	Pan Head Machine Screw	M6x12L	4
	5515232	One Shot Lube Unit (not shown)		1

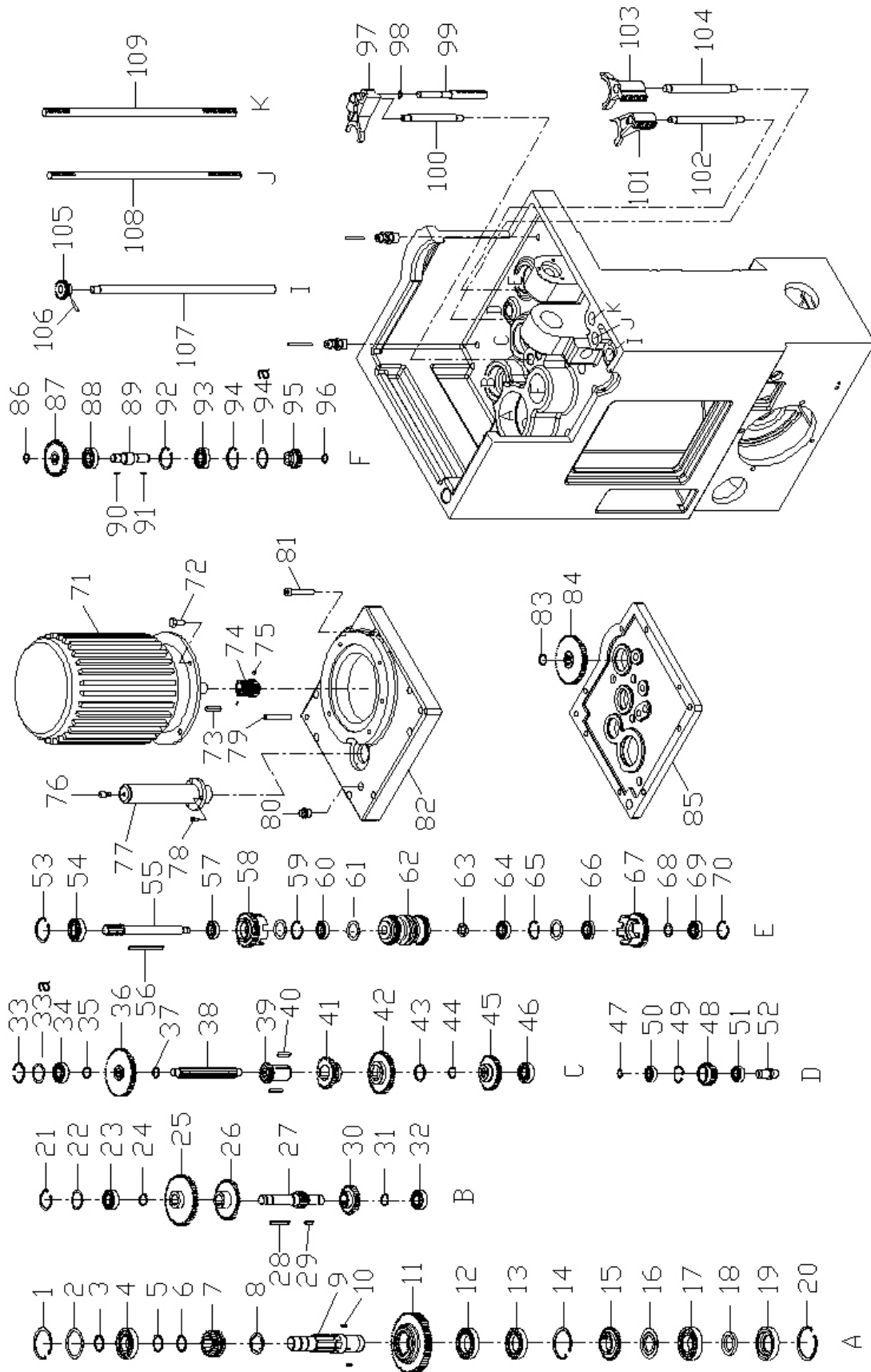
13.3.1 Coolant System: Exploded View



13.3.2 Coolant System: Parts List

Index No.	Part No.	Description	Size	Qty
1	5712921A	Coolant Pump	150L 220/440V 3PH	1
2	TS-1550041	Flat Washer	M6	4
3	TS-1503041	Socket Head Cap Screw	M6 x 16L	4
4	M0602001	90-Degree Elbow	PT3/8" x PS3/8" x 90°	1
5	M0506002	Hose	PT3/8" x 192"L	1
6	5232411	Male Connector	PT3/8" x PS3/8"	1
7	5232341	90-Degree Elbow	3/8" x 90°	1
8	M0510002	Tube	3/8" x 22"L	1
9	10014	Tube Sleeve		2
10	5232391	Knurled Screw	M10 x 25L	2
11	5232421	Brass Valve	3/8"	1
12	5232431	Coolant Hose	3/8" x 450L	1
13	M1315017	Tube Holder	UC-5	2
14	5513357	Phillips Pan Head Machine Screw	3/16" x 3/8"L	2

13.4.1 Gearbox Assembly (Upper Section): Exploded View

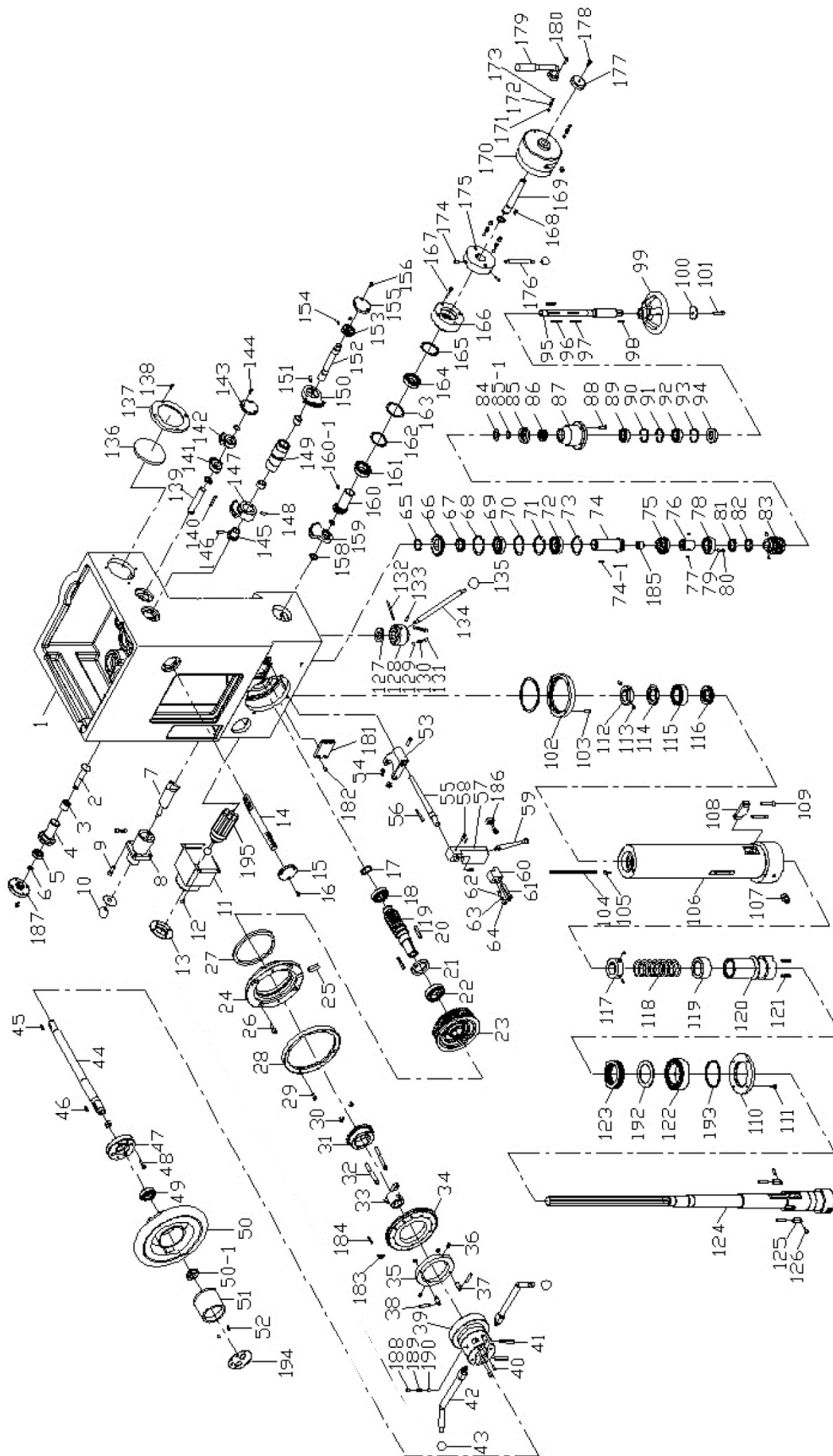


13.4.2 Gearbox Assembly (Upper Section): Parts List

Index No.	Part No.	Description	Size	Qty
1	5237011	Retainer	R80	1
2	5237021	Spacer		1
3	5237041	Retainer	S40	1
4	BB-6208ZZ	Bearing	6208ZZ	1
5	5237041	Retainer	S40	1
6	5237041	Retainer	S40	1
7	5237061	Gear		1
8	5237071	Spacer		1
9	5237081	Spindle		1
	5237081SA	Spindle Assembly (includes #7 and 9)		1
10	5237091	Key	5mmx18L	2
11	5237111	Gear		1
12	BB-6010ZZ	Bearing	6010Z	1
13	BB-6010ZZ	Bearing	6010Z	1
14	5237011	Retainer	R80	1
15	5237131	Gear		1
16	5237141	Washer		1
17	BB-6209ZZ	Bearing	6209ZZ	1
18	5237161	Oil Seal	TC44x62x8	1
19	5237171	Seal Housing		1
20	523718	Retainer	R85	1
21	HBS916W-94-17	Retainer	R52	1
22	523721	Spacer		1
23	BB-6205ZZ	Bearing	6205ZZ	1
24	523723	Retainer	S28	1
25	5237241	Gear		1
26	5237251	Gear		1
27	5237261	4th Transmission Shaft		1
28	523727	Key	7mmx58L	1
29	523728	Key	7mmx26L	1
30	5237291	Gear		1
31	523723	Retainer	S28	1
32	BB-6205ZZ	Bearing	6205ZZ	1
33	523719	Retainer	R52	1
33a	5237321	Spacer		1
34	523733	Bearing	6304	1
35	523723	Retainer	S28	1
36	5237351	Gear		1
37	523723	Retainer	S28	1
38	5237341	3rd Transmission Shaft		1
39	5237361	Gear		1
40	5237371	Key	7mx40L	2
	5237381A	Gear Assembly (includes #35, 37-45)		1
41	5237381	Gear		1
42	5237391	Gear		1
43	5237041	Retainer	S40	1
44	523723	Retainer	S28	1
45	5237411	Gear		1
46	BB-6304ZZ	Bearing	6304	1
47	AB1012W-F13	Retainer	S20	1
48	523744	Gear		1
49	523746	Retainer	R42	1
50	BB-6004Z	Bearing	6004Z	1
51	BB-6004Z	Bearing	6004Z	1
52	523747	2nd Transmission Shaft		1
53	5237481	Retainer	R62	1
54	BB-6206ZZ	Bearing	6206ZZ	1
55	523751	Clutch		1
56	523752	Key	7mmx110L	1
57	BB-6005ZZ	Bearing	6005ZZ	1

Index No.	Part No.	Description	Size	Qty
58	5237531	Clutch Upper Gear		1
59	20EVS-T44-1	Retainer	R47	1
60	BB-6005ZZ	Bearing	6005ZZ	1
61	5237561	Collar		1
62	5237571	Clutch Pipe	OD-257	1
63	5237561	Collar		1
64	BB-6005ZZ	Bearing	6005ZZ	1
65	20EVS-T44-1	Retainer	R47	1
66	BB-6005ZZ	Bearing	6005ZZ	1
67	5237531	Clutch Upper Gear		1
68	523759	Collar		1
69	BB-6204ZZ	Bearing	6204ZZ	1
70	20EVS-T44-1	Retainer	R47	1
71	J-523763	Motor (for spindle)	7.5HP, 230/460V	1
72	523764	Bolt	1/2x1-1/4L	4
73	523765	Key	8mmx50L	1
74	5237661	Motor Gear		1
75	TS-1523021	Set Screw	M6x8L	2
76	5237721	Oil Cup	PT1/8"x3/4"	1
77	J-523773G	Cover		1
78	523771	Bolt	M6x14L	3
79	523774	Pin		2
80	M0604005	Plug	PT1/2"	2
81	523775	Socket Head Cap Screw	M12x75L	8
82	J-523769G	Upper Cover of Gear Box		1
83	523723	Retainer	S28	1
84	5237761	Gear		1
85	J-5237781G	Middle Cover of Gear Box		1
86	523782	Retainer	S19	1
87	5237841	Gear		1
88	523742	Bearing	6304	1
89	523786	Shaft		1
90	GHD20PF-207	Key	5mmx16L	1
91	GHD20PF-207	Key	5mmx16L	1
92	HBS916W-94-17	Retainer	R52	1
93	523742	Bearing	6304	1
94	HBS916W-94-17	Retainer	R52	1
94a	523788	Spacer Ring		1
95	523789	Gear		1
96	523782	Retainer	S19	1
97	5237911	Swing Seat, 2 Step Speed Change		1
98	523793	Retainer	S18	1
99	5237921	Rack		1
100	523794	Shaft		1
101	5237791	Swing Seat, 3 Step Speed Change		1
102	523781	Shaft		1
103	5237951	Swing Seat for Clutch		1
104	523796	Shaft		1
105	5237971	Gear		1
106	523798	Spring Pin	5mmx35L	1
107	523799	Clutch Shaft		1
108	523801	Rack, 2-Step Speed Change		1
109	523802	Rack, 3-Step Speed Change		1

13.5.1 Gearbox Assembly (Lower Section): Exploded View



13.5.2 Gearbox Assembly (Lower Section): Parts List

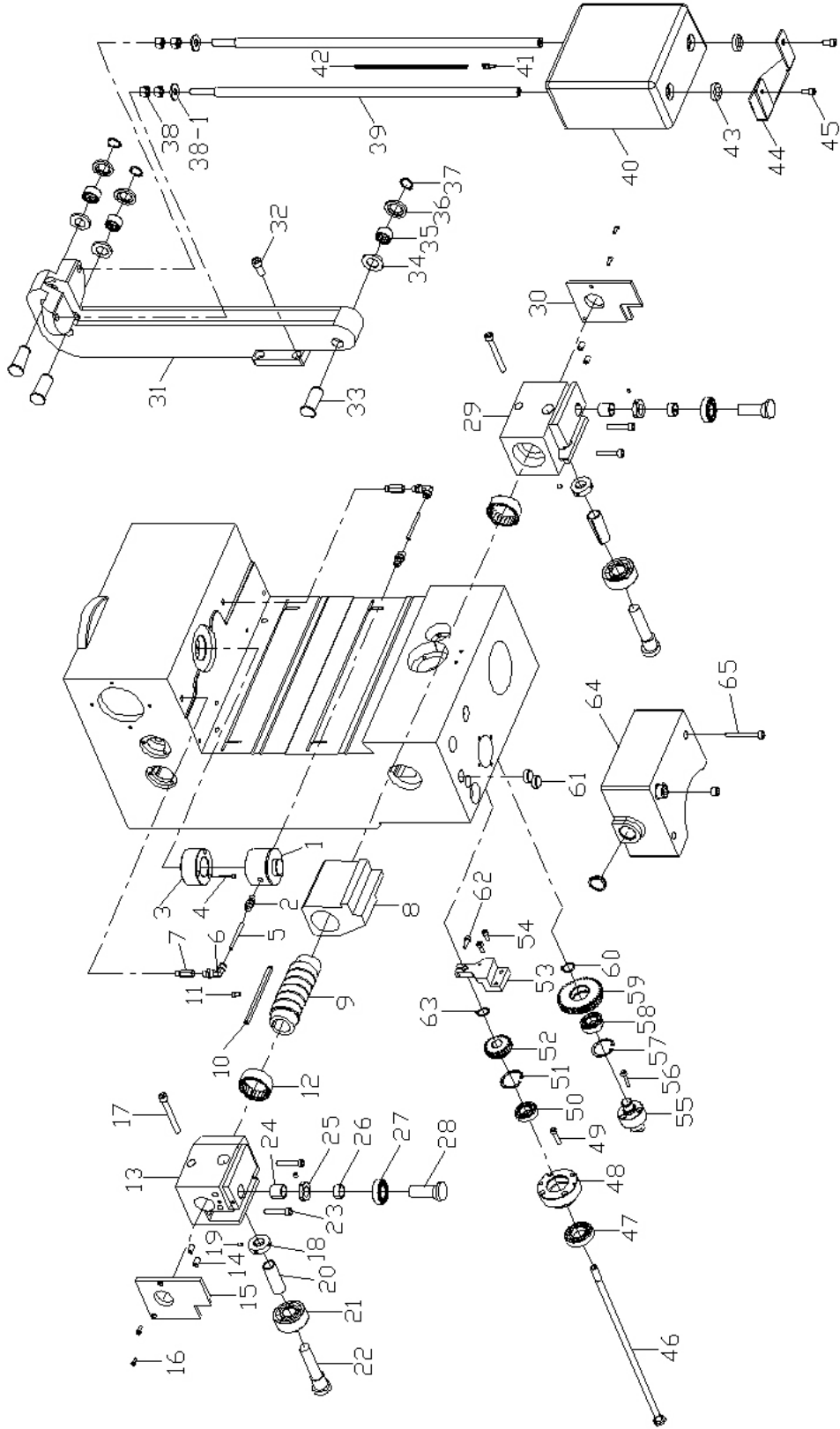
Index No.	Part No.	Description	Size	Qty
1	J-523805G	Gear Box Housing		1
2	523806	Roller		1
3	523807	Bearing	TAF172520	1
4	523808	Roller Housing		1
5	BB-6002ZZ	Bearing	6002ZZ	1
6	5640491	Retainer	S15	1
7	10490	Eject Bar		1
8	523813	Frame for Eject Bar		1
9	TS-1504051	Socket Head Cap Screw	M8x25L	4
9a	523815	Nameplate		1
10	5238171	Plastic Ball	3/8"	1
11	523819G	Frame for Cross Switch		1
12	5238211	Pan Head Machine Screw	3/16"x3/8"L	4
13	523822	Cover		1
14	523825	Rack		1
15	523826	Cover		3
16	TS-1502021	Socket Head Cap Screw	M5x10L	3
17	5233751	Retainer	S30	1
18	BB-6006ZZ	Bearing	6006ZZ	1
19	10495	Gear Shaft		1
20	5238291	Key	6mmx45L	2
21	5238311	Oil Seal	TC40x55x8	1
22	BB-6007ZZ	Bearing	6007ZZ	1
23	5238331	Worm Gear		1
24	5238351	Setting Ring for Dial		1
25	5238361	Key		1
26	TS-1504051	Socket Head Cap Screw	M8x25L	4
27	5238341	Urethane Band	7mmx430L	1
28	5238561	Ring		1
29	JHM610-22	Socket Head Cap Screw	M6x14L	4
30	5238381	Nut	M8	2
31	5238391	Auto Feed Bolt		1
32	5238411	Bolt		2
33	5238421	Swing Frame		1
34	5238551	Dial		1
35	5238591	Set Nut		1
36	TS-1504011	Socket Head Cap Screw	M8x10L	2
37	5238631	Set Nut		2
38	5238641	Handle Lever Assembly		2
39	5238431	Feed Lever Housing		1
40	TS-1523051	Set Screw	M6x16L	2
41	5238451	Spring Pin	5mmx50L	2
42	5238511	Feed Lever		2
43	523852-1	Plastic Ball	1/2"	2
44	10510	Handwheel Shaft		1
45	5783961	Key	5x5x18L mm	1
46	5783961	Key	5x5x18L mm	1
47	523867	Bearing Case		1
48	TS-1503051	Socket Head Cap Screw	M6x20L	4
49	BB-6005ZZ	Bearing	6005ZZ	1
50	J-5238691	Handwheel		1
50-1	10513	Setting Nut		1
51	5238721	Case for Push Button Switch		1
52	TS-1532032	Pan Head Machine Screw	M4x10L	2
53	5238831	Swing Block		1
54	523884	Swing Key		2
55	5238761	Shaft for Swing Lever		1
56	523877	Key	5mmx50L	1
57	5238791	Swing Lever Seat		1
58	TS-1503041	Socket Head Cap Screw	M6x16L	2

Index No.	Part No.	Description	Size	Qty
59	5238811	Swing Lever		1
60	523885	Swing Lever Frame		1
61	523888	Bolt	M6x50L	2
62	SB-3/8	Steel Ball	3/8"	1
63	523886	Spring		1
64	TS-1525011	Set Screw	M10x10L	1
65	523889	Retainer	S30	1
66	5238911	Gear		1
67	523892	Spacer		1
68	523893	Retainer	R55	1
69	BB-6006ZZ	Bearing	6006ZZ	1
70	523893	Retainer	R55	1
71	523893	Retainer	R55	1
72	BB-6006ZZ	Bearing	6006ZZ	1
73	523893	Retainer	R55	1
74	5238951	Clutch		1
74-1	523896	Key	5mmx14L	1
75	5238991	Clutch		1
76	5238971	Clutch Collar		1
77	5233811	Key	5mmx12L	2
78	5239031	Buffer Sleeve		1
79	SB-5/16	Steel Ball	5/16"	10
80	5239021	Spring		10
81	5239041	Setting Nut		1
82	5239041	Setting Nut		1
83	5239061	Worm		1
84	10566	Washer		1
85	10528	Washer		1
85-1	5239081	O-Ring	P18	1
86	BB-51104	Bearing	51104	1
87	10529G	Bearing Case		1
88	TS-1503051	Socket Head Cap Screw	M6x20L	4
89	BB-6004ZZ	Bearing	6004ZZ	1
90	523746	Retainer	R42	1
91	523746	Retainer	R42	1
92	BB-6004ZZ	Bearing	6004ZZ	1
93	523746	Retainer	R42	1
94	5239151	Oil Seal	TC25x45x8	1
95	5239171	Shaft		1
96	523916	Key	5mmx38L	2
97	523918	Key	5mmx40L	1
98	5783961	Key	5mmx18L	1
99	J-5239211	Manual Feed Handwheel		1
100	10123	Washer		1
101	523923	Bolt	M6x35L	1
102	10541	Dust Proof Cover		1
103	TS-1502041	Socket Head Cap Screw	M5x16L	4
104	5239291	Chain	3/8x154	1
105	5239311	Special Bolt		1
106	10534	Quill		1
107	5239351	Grease Nipple	PT1/8"	1
108	10535A	Ejection Rammer (s/n 0809188 and higher)		1
109	TS-1504091	Socket Head Cap Screw	M8x45L	2
110	5239471	Cover		1
111	TS-1502041	Socket Head Cap Screw	TS-1502041	4
112	5239241	Setting Nut		1
113	TS-1524021	Set Screw	M8x10L	2
114	5239261	Collar		1
115	5239271	Needle Bearing	NN3007P5	1
116	5239281	Bearing	51107	1
117	5239361	Setting Nut		1
118	5239381	Spring		1

Index No.	Part No.	Description	Size	Qty
119	5239391	Collar		1
120	10539	Eject Collar		1
	10539A	Eject Collar (s/n 0809188 and higher)		1
121	5239421	Spring		2
122	5239451	Needle Bearing	NN3012KP5	1
123	BB-51112	Thrust Bearing	51112	1
124	5239491A	Spindle (re:5239491SA)		1
	5239491SA	Spindle Assembly (includes #7,9,108,120,124)		1
125	5239511	Spring Guide Pin		2
126	TS-1503041	Socket Head Cap Screw	M6x16L	2
127	5239531	Oil Seal	TC22x40x8	1
128	5239541	Hi/Low Setting Seat		1
129	SB-5/16	Steel Ball	5/16"	2
130	523957	Spring		2
131	523958	Bolt	M8x10L	2
132	523962	Spring Pin	5mmx60L	1
133	TS-1523051	Set Screw	M6x16L	1
134	5239591	Three Step Speed Change Lever		1
135	5239611	Ball	3/8"	2
136	523963	Oil Sight Glass		1
137	523964	Cover for Oil Sight Glass		1
138	TS-1502031	Socket Head Cap Screw	M5x12L	1
139	523967	Shaft		1
140	523966	Key	6mmx36L	1
141	5239681	Swing Gear		1
142	5239691	Swing Gear		1
143	523971G	Cover		1
144	TS-1502021	Socket Head Cap Screw	M5x10L	3
145	5239741	Gear		1
146	523973	Spring Pin	5mmx25L	1
147	5239751	Swing Gear		1
148	TS-1523031	Set Screw	M6x10L	1
149	5239781	Pipe		1
150	5239811	Swing Gear		1
151	TS-1523031	Set Screw	M6x10L	1
152	5239771	Shaft		1
153	5239831	Swing Gear		1
154	TS-1523031	Set Screw	M6x10L	1
155	523985G	Cover		1
156	TS-1502021	Socket Head Cap Screw	M5x10L	3
158	AB1012W-F13	Retainer	S20	1
159	5239871	Swing Gear		1
160	5239891	Gear Pipe		1
160-1	523991	Key	5mmx10L	1
161	BB-6006ZZ	Bearing	6006ZZ	1
162	523893	Retainer	R55	1
163	523893	Retainer	R55	1
164	BB-6006ZZ	Bearing	6006ZZ	1
165	523893	Retainer	R55	1
166	523992	Bearing Case		1
167	TS-1502081	Socket Head Cap Screw	M5x35L	4
168	523999	Key	6mmx15L	1
169	5240011	Shaft		1
170	5240021	Cover		1
171	SB-5/16	Steel Ball	5/16"	2
172	524006	Spring		2
173	524007	Set Screw	M8x10L	2
174	TS-1503041	Set Screw	M6x16L	2
175	523996	2-Step Speed Change Wheel		1
176	5234861	3-Step Speed Change Lever		1
177	524008	Cover		1
178	TS-1503021	Socket Head Cap Screw	M6x10L	1

Index No.	Part No.	Description	Size	Qty
179	524004	Change Lever		1
180	TS-1502031	Socket Head Cap Screw	M5x12L	3
181	J1600R-5181	Cover		1
182	5238211	Pan Head Machine Screw	3/16"x3/8"L	4
183	523854	Swing Key		1
184	523853	Spring Pin	5mmx20L	2
185	J1600R-5185	Bearing	TAF182620	1
186	J1600R-5186	Fixed Flange		1
187	J1600R-5187	Cover		1
188	5238481	Set Screw	7/16"x3/8"L	1
189	5238471	Spring		1
190	SB-3/8	Steel Ball	3/8"	1
191	523793	Retaining Ring	S18	1
192	5239441	Collar		1
193	5239461	Felt Wick		1
194	5238741	Name Plate		1
195	5238181	Cross Switch		1

13.6.1 Rear of Head: Exploded View

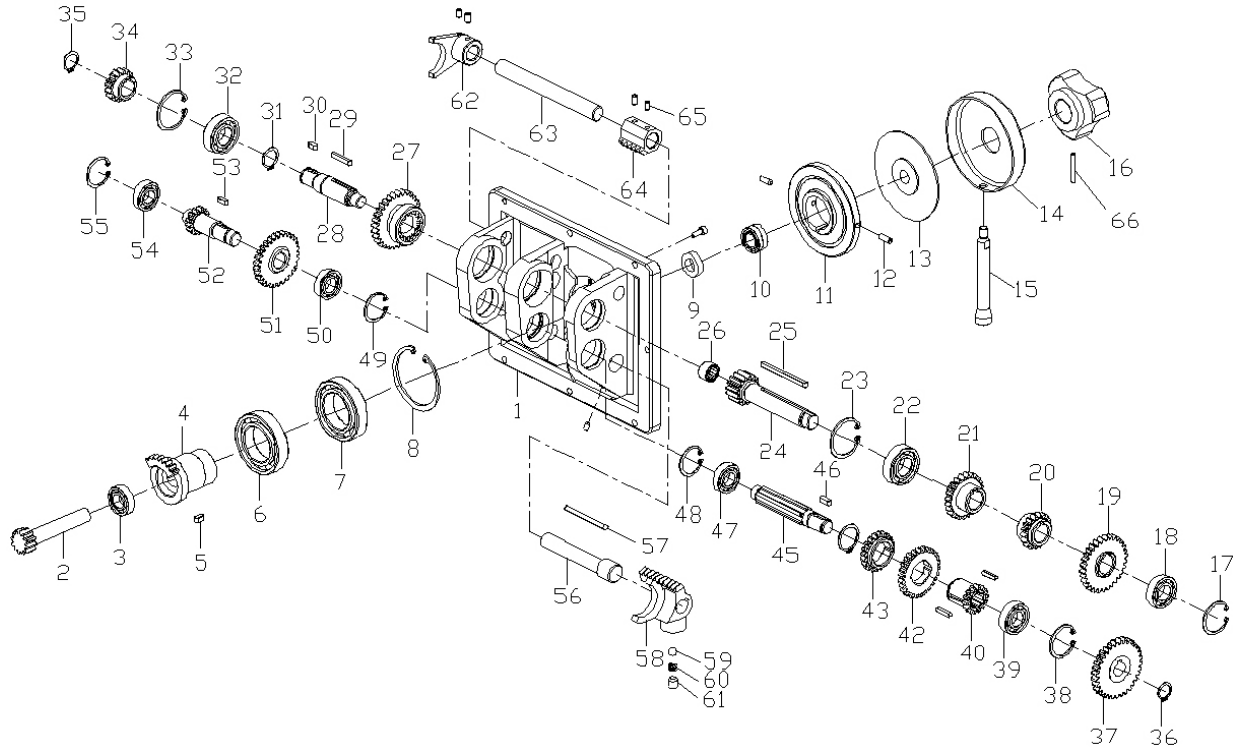


13.6.2 Rear of Head: Parts List

Index No.	Part No.	Description	Size	Qty
1	5240651G	Oil Feed Pump	AM2	1
2	5240661	Male Fitting	PT1/4"x1/4"H	2
3	524067G	Oil Pump Seat		1
4	TS-1503091	Socket Head Cap Screw	M6x40L	3
5	524068	Nylon Pipe	1/4"x100L	2
6	524069	Male Stud Elbow Fitting	PT1/8"x1/4"Hx90	2
7	524071	Straight Joint		2
8	J-5240721G	Cam Shaft Sleeve		1
9	5240731	Eccentric Shaft		1
10	524074	Key	7mmx150L	1
11	TS-1502021	Socket Head Cap Screw	M5x10L	3
12	524075	Bearing	RNA4908	2
13	J-524088G	Left Bearing Bracket		1
14	524093	Bolt	M10x16L	4
15	J-524092G	Aluminum Plate		1
16	524089	Bolt	3/16"x1/2"L	4
17	J1600R-617	Socket Head Cap Screw	M10x85L	2
18	524077	Adjustable Collar		2
19	TS-1523021	Set Screw	M6x8L	4
20	524078	Sleeve		2
21	524086	Bearing	2305	2
22	5240791	Eccentric Shaft		2
23	TS-1504091	Socket Head Cap Screw	M8x45L	4
24	524084	Eccentric Bushing		2
25	524083	Adjustable Collar		2
26	524087	Eccentric Bushing		2
27	BB-6005ZZ	Bearing	6005ZZ	2
28	5240821	Eccentric Shaft		2
29	J-524076G	Right Bearing Bracket		1
30	J1600R-630G	Aluminum Plate		1
31	J-524094G	Chain Frame		1
32	TS-1505031	Socket Head Cap Screw	M10x25L	4
33	524095G	Shaft		3
34	524097	Retaining Collar		3
35	524098	Bearing	TA223016Z	3
36	524097	Retaining Collar		3
37	5234591	Retainer	S22	3
38	5235811	Nut	1/2"	4
38-1	TS-0680061	Washer	1/2"	2
39	J-5241051	Leading Bar		2
40	J-524106G	Cast Iron Block		1
41	10352	Special Bolt		1
42	524103	Chain	3/8"x154	1
43	5235771	Oil Seal Bushing	TC19x32x8	2
44	10600G	Block		1
45	TS-1504031	Socket Head Cap Screw	M8x16L	2
46	5241191	Pipe (includes #53 Support)		1
47	BB-6006ZZ	Bearing	6006ZZ	1
48	524115	Bearing Case		1
49	TS-1503071	Socket Head Cap Screw	M6x30L	4
50	BB-6004Z	Bearing	6004Z	1
51	523746	Retainer	R42	1
52	5241181	Gear		1
53	5241191G	Support (includes #46 Pipe)		1
54	TS-1503041	Socket Head Cap Screw	M6x16L	2
55	5241131	Special Key		1
56	TS-1503071	Socket Head Cap Screw	M6x30L	3
57	523746	Retainer	R42	1
58	BB-6004Z	Bearing	6004Z	1
59	5231141	Gear		1

Index No.	Part No.	Description	Size	Qty
60	AB1012W-F13	Retainer	S20	1
61	J1600R-661	Plug		2
62	TS-1503051	Socket Head Cap Screw	M6x20L	1
63	AB1012W-F13	Retainer	S20	1
64	10874G	Oil Tank		1
65	TS-2238911	Bolt	M8x100L	3

13.7.1 Feed Change Mechanism: Exploded View

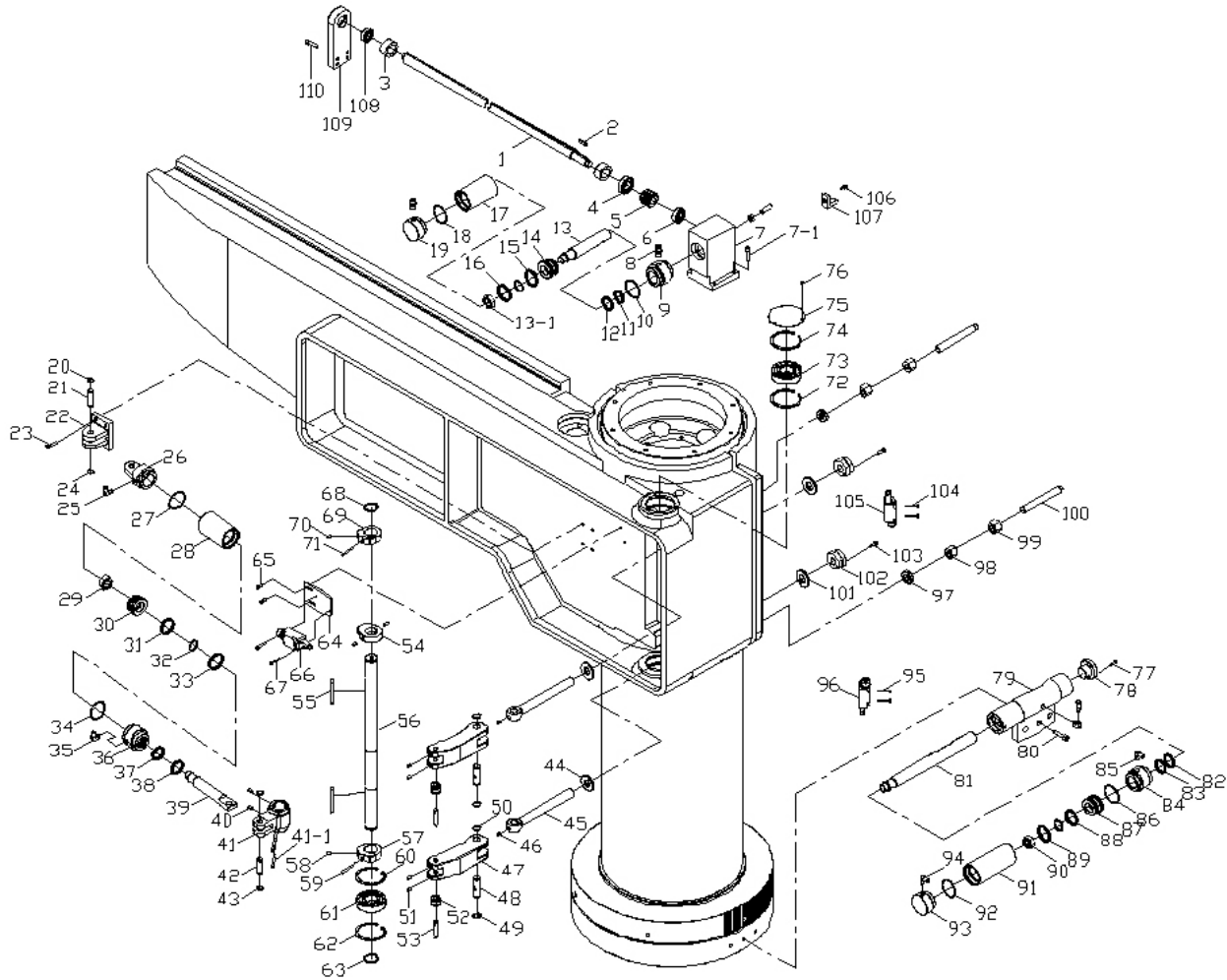


13.7.2 Feed Change Mechanism: Parts List

Index No.	Part No.	Description	Size	Qty
1	J-5240111G	Feed Gear Frame		1
2	5240121	Gear Shaft		1
3	BB-6002ZZ	Bearing	6002ZZ	1
4	5240141	Pipe Gear		1
5	5233811	Key	5mmx12L	1
6	BB-6008ZZ	Bearing	6008ZZ	1
7	BB-6008ZZ	Bearing	6008ZZ	1
8	524016	Retainer	R68	1
9	5240171	Oil Seal	TC15x27x7	1
10	J1600R-710	Bearing	NA4902	1
11	524019	Feed Speed Change Wheel		1
12	TS-1523051	Set Screw	M6x16L	2
13	524021	Dial Seat		1
14	524023	Cover		1
15	5240311	Swing Lever		1
16	524025	Change Wheel		1
17	524037	Retainer	R35	1
18	BB-6003ZZ	Bearing	6003ZZ	1
19	5240391	Large Gear		1
20	5240411	Small Gear		1
21	524042	Middle Gear		1
22	BB-6004ZZ	Bearing	6004ZZ	1
23	523746	Retainer	R42	1
24	5240441	Gear Shaft		1
25	J1600R-725	Key	5mmx70L	1

Index No.	Part No.	Description	Size	Qty
26	J1600R-726	Bearing	TLA1412Z	1
27	524045	Gear Collar		1
28	5240461	Shaft		1
29	HVBS462-073	Key	5x5x30L	1
30	5233811	Key	5x5x12L	1
31	AB1012W-F13	Retainer	S20	1
32	BB-6004ZZ	Bearing	6004ZZ	1
33	523746	Retainer	R42	1
34	5240491	Gear		1
35	J1600R-735	Retainer	S18	1
36	524062	Retainer	S16	1
37	5240611	Gear		1
38	524051	Retainer	R35	1
39	BB-6003ZZ	Bearing	6003ZZ	1
40	524053	Gear Collar		1
42	524054	Gear		1
43	J1600R-743	Gear		1
45	524052	Hexagon Shaft		1
46	GHB1340A-G87	Key	5x5x14L	1
47	BB-6002ZZ	Bearing	6002ZZ	1
48	AB1012W-E22	Retainer	R32	1
49	AB1012W-E22	Retainer	R32	1
50	BB-6002ZZ	Bearing	6002ZZ	1
51	5240571	Gear		1
52	5240581	Gear Shaft		1
53	GHB1340A-G87	Key	5x5x14L	1
54	BB-6002ZZ	Bearing	6002ZZ	1
55	AB1012W-E22	Retainer	R32	1
56	524034	Shaft		1
57	J1600R-757	Key	5mmx65L	1
58	J1600R-758	Gear Shift Lever		1
59	SB-5/16	Steel Ball	5/16"	1
60	J1600R-760	Spring		1
61	TS-1525011	Set Screw	M10x10L	1
62	524033	Swing Seat		1
63	J1600R-763	Shaft		1
64	5240321	Swing Rack		1
65	TS-1523031	Bolt	M6x10L	4
66	524024	Spring Pin	5mmx45L	1

13.8.1 Hydraulic Clamping Mechanism: Exploded View

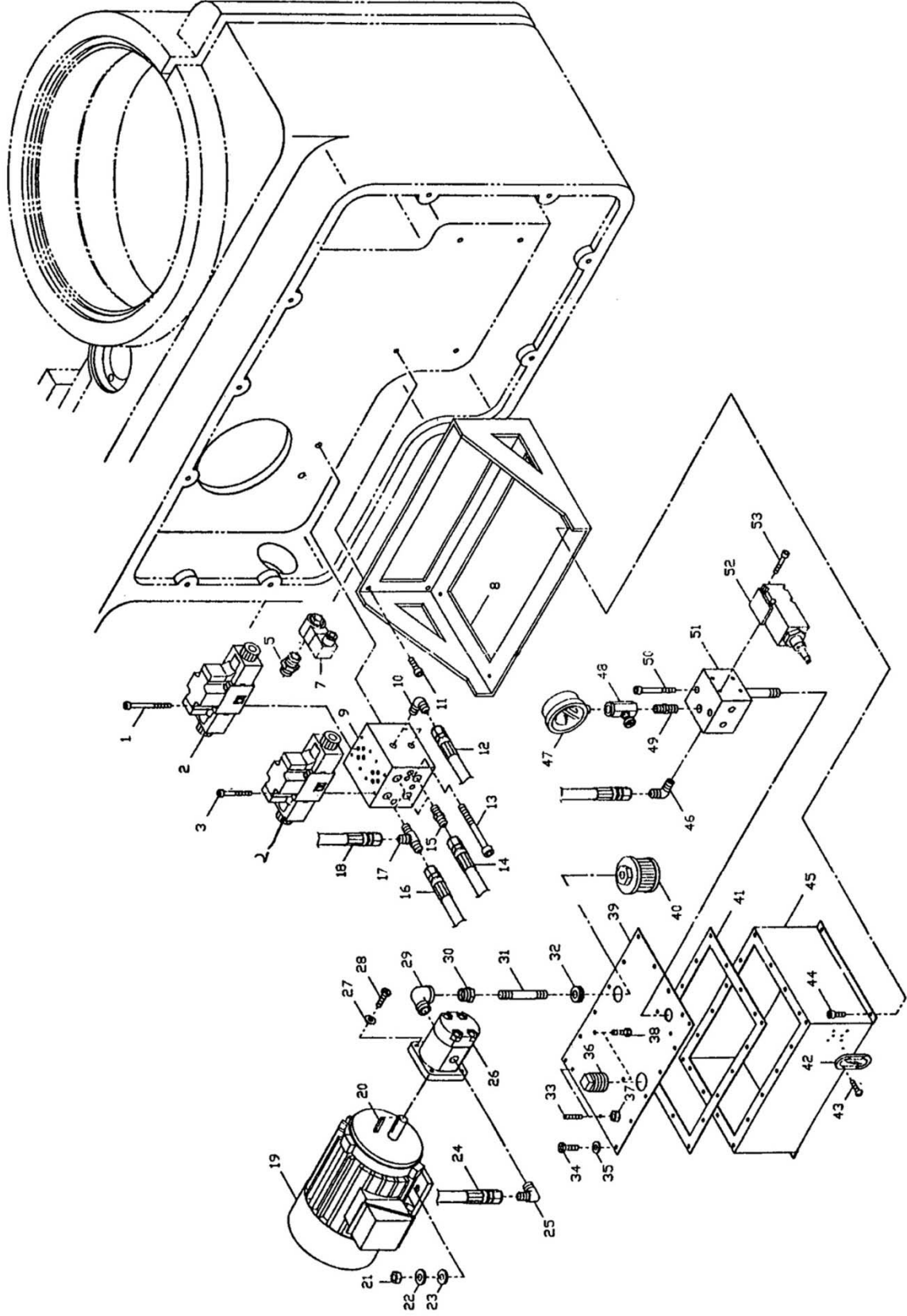


13.8.2 Hydraulic Clamping Mechanism: Parts List

Index No.	Part No.	Description	Size	Qty
1	524296	Leading Bar		1
2	524297	Key	7mmx30L	1
3	524298	Limit Rubber		2
4	BB-6205ZZ	Bearing	6205ZZ	1
5	524299	Gear		1
6	BB-6204ZZ	Bearing	6204ZZ	1
7	J-524309G	Cylinder Rest		1
7-1	TS-1504071	Socket Head Cap Screw	M8x35L	4
8	524304	Male Connector	PT3/8"xPS3/8"	2
9	J-524303G	Cylinder Joint		1
10	5515638	O-Ring	G55	1
11	524302	Oil Seal	UHS35	1
12	524302	Oil Seal	UHS35	1
13	524321	Rod		1
13-1	524316	Nut	M24	1
14	524318	Piston		1
14-1	524319	O-Ring		1
15	524317	Oil Seal	UHS45A	1
16	524317	Oil Seal	UHS45A	1
17	524315G	Arm Clamping Cylinder		1
18	5515638	O-Ring	G55	1
19	J-524313G	Cylinder Cover		1
20	524323	Retainer	S16	1
21	524324	Pin		1
22	524326G	Cylinder Rest		1
23	TS-1504061	Bolt	M8x30L	4
24	A076	Retainer	S16	1
25	524327	90° Elbow	PS3/8"xPT1/4"x90	1
26	524328G	Joint		1
27	5515638	O-Ring	G55	1
28	524331G	Arm Clamping Cylinder		1
29	524332	Nut	M24	1
30	524318	Piston		1
31	524333	Oil Seal	UHS45A	1
32	524335	O-Ring	P30	3
33	524333	Oil Seal	UHS45A	1
34	5515638	O-Ring	G55	1
35	524327	90° Elbow	PS3/8"xPT1/4"x90	1
36	J-524338G	Cylinder Joint		1
37	524302	Oil Seal	UHS35	1
38	524302	Oil Seal	UHS35	1
39	524336	Rod		1
40	TS-1524021	Bolt	M8x10L	2
41	J1600R-841G	Rocker Arm		1
41-1	13-6030-001-2	Taper Pin	#4x64L	2
42	524352	Pin		1
43	AB1012W-A52	Retainer	S16	2
44	524378	Washer		2
45	524345	Clamping Bolt		2
46	TS-1525011	Set Screw	M10x10L	2
47	J1600R-847G	Swing Key		2
48	J1600R-848G	Pin		2
49	AB1012W-F13	Retainer	S20	2
50	AB1012W-F13	Retainer	S20	2
51	TS-1524011	Set Screw	M8x8L	4
52	J1600R-852	Roller		2
53	J1600R-853	Pin		2
54	J1600R-854	Stopper		1
55	J1600R-855	Key	12mmx8x90L	2
56	J1600R-856	Revolving Spindle		1

Index No.	Part No.	Description	Size	Qty
57	J1600R-857G	Cam		1
58	TS-1524031	Set Screw	M8x12L	1
59	13-6030-001-2	Taper Pin	#4x64L	1
60	J1600R-860	Retainer	R90	1
61	BB-6308ZZ	Bearing	6308ZZ	1
62	J1600R-860	Retainer	R90	1
63	5237041	Retainer	S40	1
64	524353	Limit Switch Rest		1
65	TS-1503031	Socket Head Cap Screw	M6x12L	2
66	E0901010	Micro Switch	WL-D2	1
67	TS-2285352	Bolt	M5x35L	2
68	5237041	Retainer	S40	1
69	J1600R-857	Cam		1
70	TS-1524031	Set Screw	M8x12L	1
71	13-6030-001-2	Taper Pin	#4x64L	1
72	J1600R-860	Retainer	R90	1
73	BB-6308ZZ	Bearing	6308ZZ	1
74	J1600R-860	Retainer	R90	1
75	J1600R-875G	Cover		1
76	TS-1532032	Pan Head Machine Screw	M4x10L	3
77	TS-1502041	Socket Head Cap Screw	M5x16L	3
78	5243581G	Plug		1
79	J-5243591G	Cylinder Rest		1
80	TS-1505061	Socket Head Cap Screw	M10x40L	3
81	524364	Rod		1
82	524302	Packing	UHS35	1
83	524302	Packing	UHS35	1
84	J-524366G	Cylinder Joint		1
85	524327	90° Elbow	PS3/8"xPT1/4"x90	1
86	5515638	O-Ring	G55	1
87	524318	Piston		1
88	524317	Oil Seal	UHS45A	1
89	524317	Oil Seal	UHS45A	1
90	TS-1540231	Nut	M24	1
91	524374G	Arm Clamping Cylinder		1
92	5515638	O-Ring	G55	1
93	J-524377G	Cylinder Cover		1
94	524327	90° Elbow	PS3/8"xPT1/4"x90	1
95	524382	Bolt	M5x35L	2
96	E0901013	Micro Switch	WL-D	1
97	524378	Washer		2
98	J1600R-898	Screw Nut		2
99	J1600R-898	Screw Nut		2
100	524382	Bolt		2
101	J1600R-8101	Washer	d25xD44x4T	2
102	J1600R-8102	Lock Nut		2
103	TS-1503051	Socket Head Cap Screw	M6x20L	2
104	TS-2285352	Pan Head Screw	M5x35L	2
105	E0901010	Micro Switch	WL-D2	1
106	TS-1503031	Socket Head Cap Screw	M6x12L	1
107	J1600R-107	Mounting Bracket		1
108	BB-6004ZZ	Bearing	6004ZZ	1
109	J-5236641G	Block		1
110	TS-1504081	Socket Head Cap Screw	M8x40L	4

13.9.1 Hydraulic System: Exploded View



13.9.2 Hydraulic System: Parts List

Index No.	Part No.	Description	Size	Qty
1	524235	Bolt		2
2	5242361	Solenoid Valve	DSG-3C2	2
3	524237	Bolt		2
4	5242381	Pilot Check Valve Assembly		1
5	524239	Fitting		1
7	5242421	Solenoid Valve		1
8	524243	Oil Tank Frame		1
9	524244	Manifold		1
10	524245	Elbow		1
11	524246	Bolt		4
12	524247	Hydraulic Hose (Manifold to Manifold)		1
13	524248	Bolt		1
14	524249	Hydraulic Hose (Cylinder Arm to Manifold)		1
15	524251	Fitting		1
16	524252	Hydraulic Hose (Cylinder Column to Manifold)		1
17	524253	T-Fitting		1
18	524254	Hydraulic Hose (Cylinder Head to Manifold)		1
19	5242551	Hydraulic Motor		1
20	524256	Key		1
21	524257	Hex Nut		4
22	524258	Plain Washer		4
23	524259	Spring Washer		4
24	524261	Hydraulic Hose (Gear Pump to Manifold)		1
25	524262	Elbow		1
26	524263	Gear Pump		1
27	524264	Plain Washer		4
28	524265	Bolt		4
29	524266	Elbow		1
30	524267	Fitting		1
31	524268	Nipple		1
32	524269	Oil Tight Rubber Ring		1
33	524271	Bolt		2
34	524272	Bolt		6
35	524273	Plain Washer		6
36	524274	Plastic Plug, Oil Fitting		1
37	524275	Nut		2
38	524276	Bolt		2
39	524277	Oil Tank Cover		1
40	524278	Oil Filter		1
41	524279	Gasket		1
42	524281	Oil Sight Glass		1
43	524282	Bolt		4
44	524283	socket Head Cap Screw		4
45	524284	Oil Tank		1
46	524285	Elbow		1
47	5242861	Oil Pressure Gauge		1
48	524287	Stop Valve		1
49	524288	Bolt		1
50	524289	Bolt		1
51	524291	Manifold		1
52	524292	Relief Valve		1
53	524293	Bolt		2



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