



# PARTS MANUAL



## 5 STATION IRONWORKER MODEL: SW-501 AND SW-503

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## TECHNICAL SUPPORT

Our technical support department can be reached at 920.684.4990, and asking for the support desk for purchased machines. Tech Support handles questions on machine setup, schematics, warranty issues, and individual parts needs: (other than die sets and blades).

For specific application needs or future machine purchases contact the Sales Department at: [sales@baileigh.com](mailto:sales@baileigh.com), Phone: 920.684.4990, or Fax: 920.684.3944.



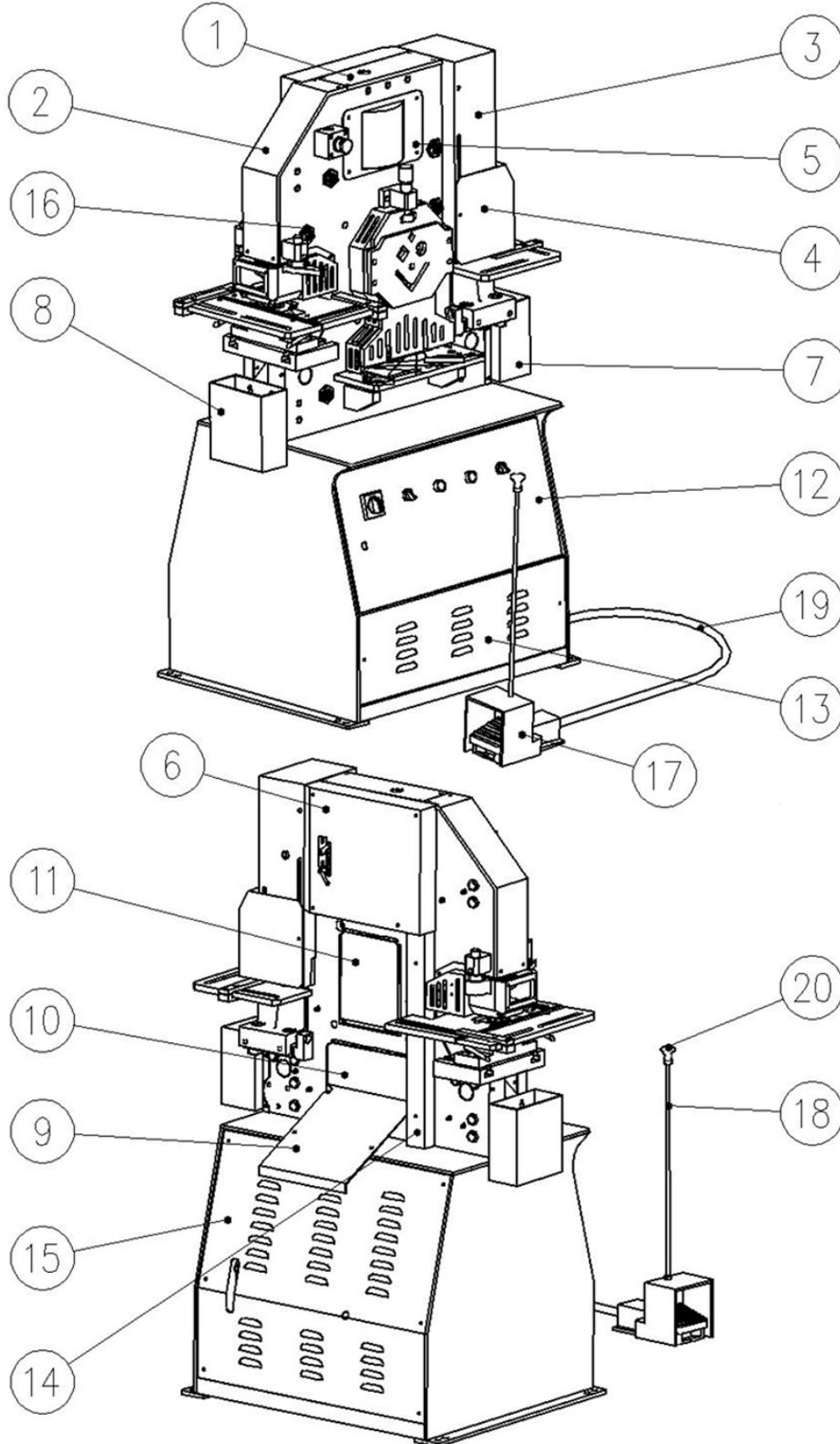
**Note:** *The photos and illustrations used in this manual are representative only and may not depict the actual color, labeling or accessories and may be intended to illustrate technique only.*



**Note:** *The specifications and dimensions presented here are subject to change without prior notice due to improvements of our products.*



### COVER PLATES PARTS DIAGRAM



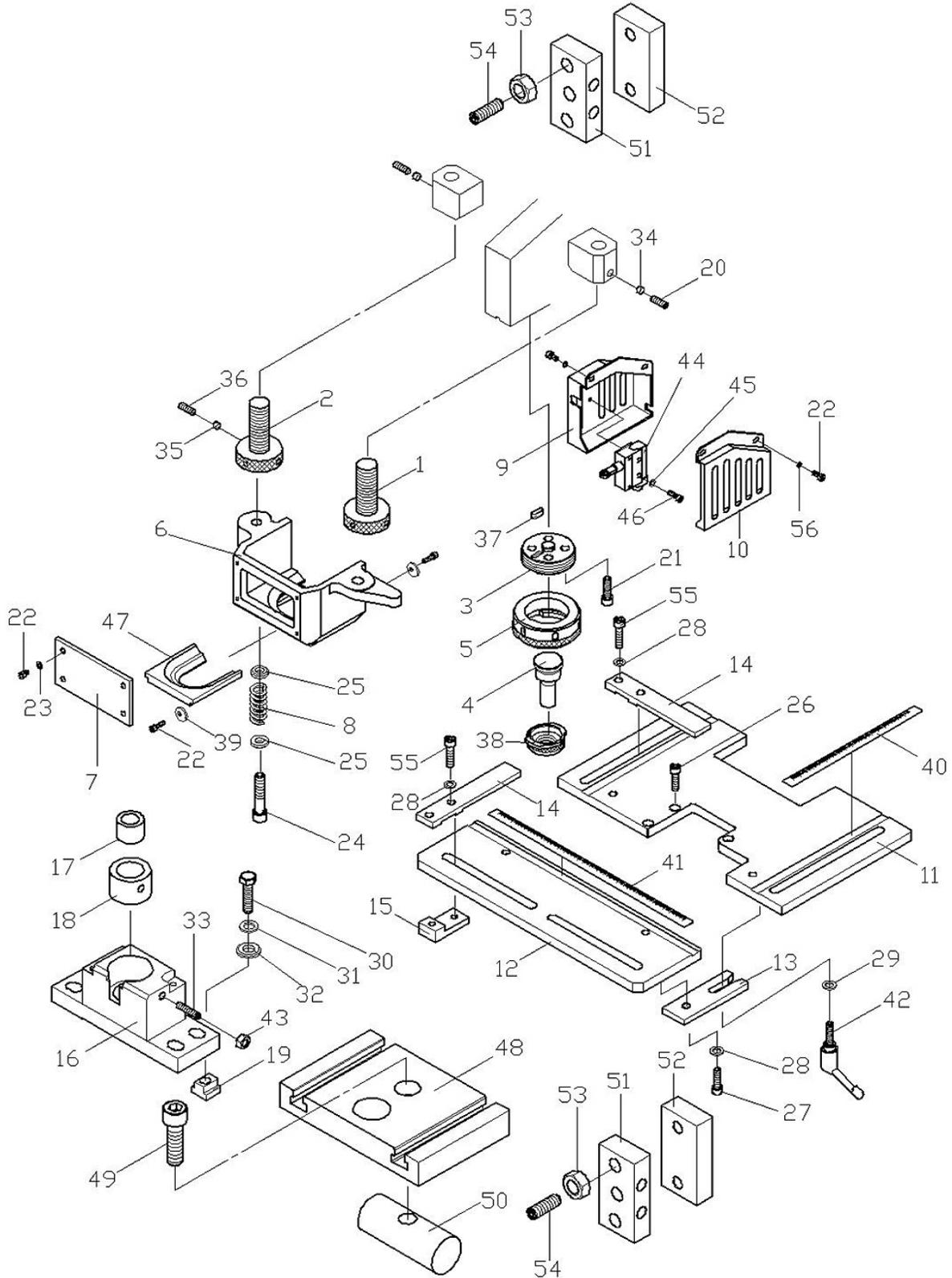


**Cover Plates Parts List**

Item	Part Number	Description	Qty.
1	217602018B	Top Cover	1
2	217602017B	Front Side Cover	1
3	217602009B	Notching Station Cover	1
4	217602024A	Safety Guard for Notching	1
5	217602008	Cylinder Cover	1
6	217602010A	Limit Switch Cover	1
7	217602029	Scrap Box for Notching	1
8	211302022	Scrap Box for Punching	1
9	217602022A	Flat Bar Shear Back Plate	1
10	217602020A	Safety Guard for Flat Shear	1
11	217602021A	Safety Guard for Bar Shear	1
12	217602900	217602001 217602002 217602003 52414APL93902 Electrical Box	1
13	217602004A	Front Base Cover	1
14	217602011A	Hose Cover	1
15	217602005	Rear Base Cover	1
16	211310007D 211310008B	Adjust Pushing Screw Adjust Pushing Nut	6
17	52413YC135D	Foot Switch YC-135D(CE)	1
18	213210008	Foot Switch Handle	1
19	56320G0061400A	Foot Switch Cable 3/8"X1400mm	1
20	56314118036M10	Waist Shaped Knobs 1180-36- M10	1



# PUNCHING STATION PARTS DIAGRAM





### Punching Station Parts List

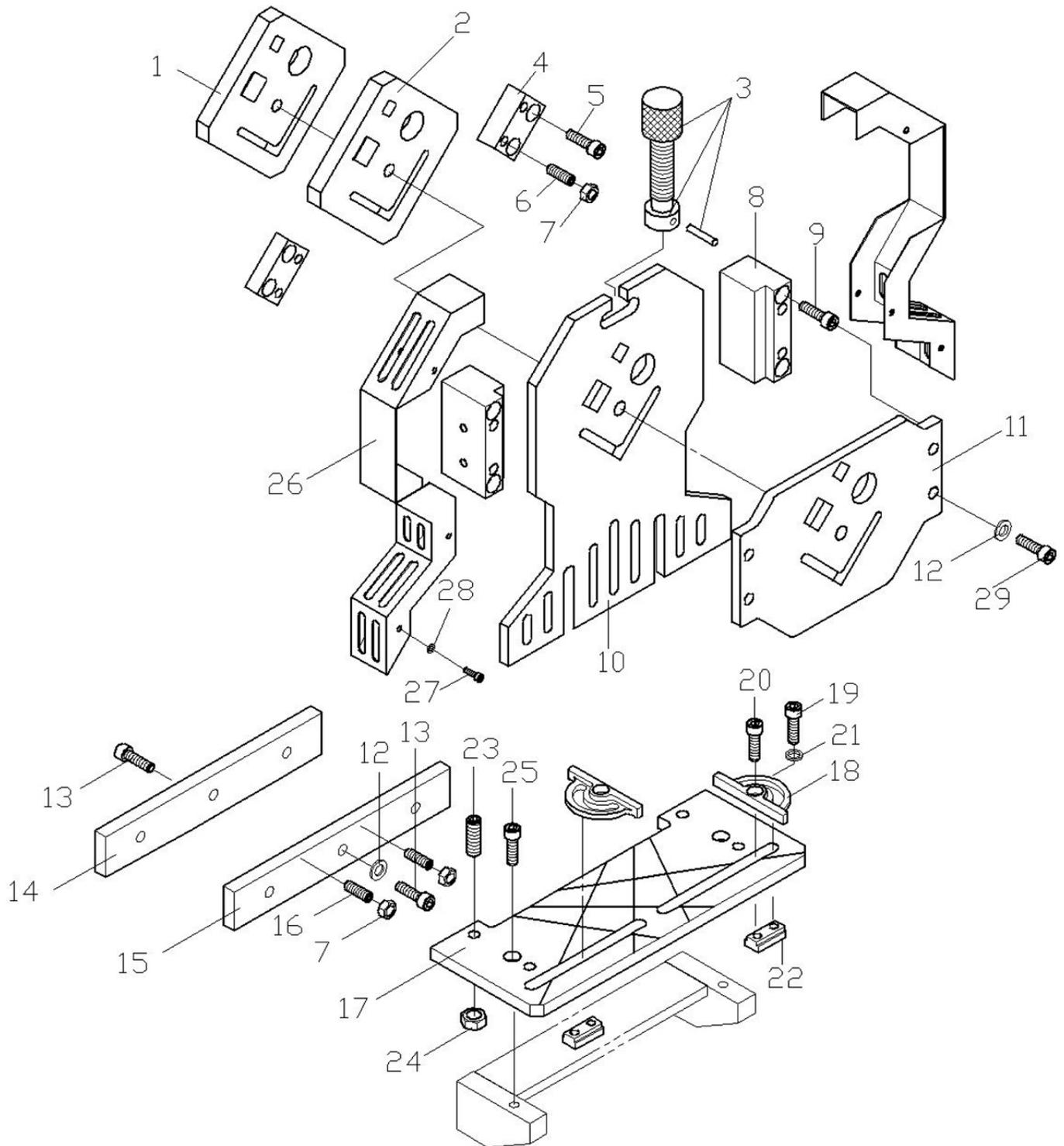
Item	Part Number	Description	Qty.
1	211305004B	Stripper Adj. Screw (1)	1
2	211305005B	Stripper Adj. Screw (2)	1
3	42RTAQA	Retaining Thread	1
4	41RP1	Punch	1
5	42RNAQA	Retaining Nut	1
6	42STAC004C	Stripper	1
7	42STAC002	Stripper Clear Cover	1
8	211305006	Stripper Spring	1
9	217602013B	Stripper Rear Guard(left)	1
10	217602014B	Stripper Rear Guard(right)	1
11	217605001	Punching Table A (Main)	1
12	211605004C	Punching Table B (Front)	1
13	211305009B	Table Connecting Plate	2
14	211605008A	Stopper Plate	2
15	211605009A	Clamping Plate	2
16	43A2SMB	Die Holder(Ø60)	1
17	41RD1	Die	1
18	43BS1C	Die Bushing(Ø60◆ Ø 45)	1
19	211305011	T-Shaped Nut M16	4
20	56301C0010007	Set Screw M10X6.5	2
21	56301A0010025	Hex Bolt M10X25	4
22	56301A0005012	Hex Bolt M5X12	10
23	56303A00005	Spring Washer M5	4
24	56301A0012090	Hex Bolt M12X90	1
25	56303D00012024045	Flat Washer M12	2
26	56301A0008016	Hex Bolt M8X16	3
27	56301A0010025	Hex Bolt M10X25	2
28	56303A00010	Spring Washer M10	6
29	56303B11012025	Flat Washer M10	2
30	56301E0016050	Bolt M16X50	4
31	56303A00016	Spring Washer M16	4
32	56303D00016032045	Flat Washer M16	4
33	56301C7010040	Set Screw M10X40	1



Item	Part Number	Description	Qty.
34	213205010	Copper Piece	2
35	212211009	Copper Piece	1
36	56301C0006010	Set Screw M6X10	1
37	56305D00606018	Locating Key(6X6X18)	1
38	42RSAQ30B 42RSAQM40B	Quick Change Sleeve	1
39	42STBC004	Washer	2
40	211605013A	Punch Stopper Guide Ruler	2
41	211605011A	Punch Table Ruler	1
42	56315404163M1025	Clamp Handle M10X25	2
43	56302B0110	Nut M10	1
44	52411TZ7312	Limit Switch	1
45	56303A00004	Spring Washer M4	2
46	56301A0004025	Hex Bolt M4X25	2
47	42STBC003A-20 42STBC003A-42	Stripper Exchangeable Plate	1
48	217601017	Mounting Table	1
49	56301A0020070	Hex Bolt M20X70	1
50	217601005	Clamping Shaft	1
51	217601008A	Adjust Plate	2
52	217601006A	Guide Plate	2
53	56302B0120	Nut M20	6
54	211610003	Adjust Screw	6
55	56301A0010040	Hex Bolt M10X40	4
56	56303B01005012010	Flat Washer M5	4



# SHEAR STATION PARTS DIAGRAM



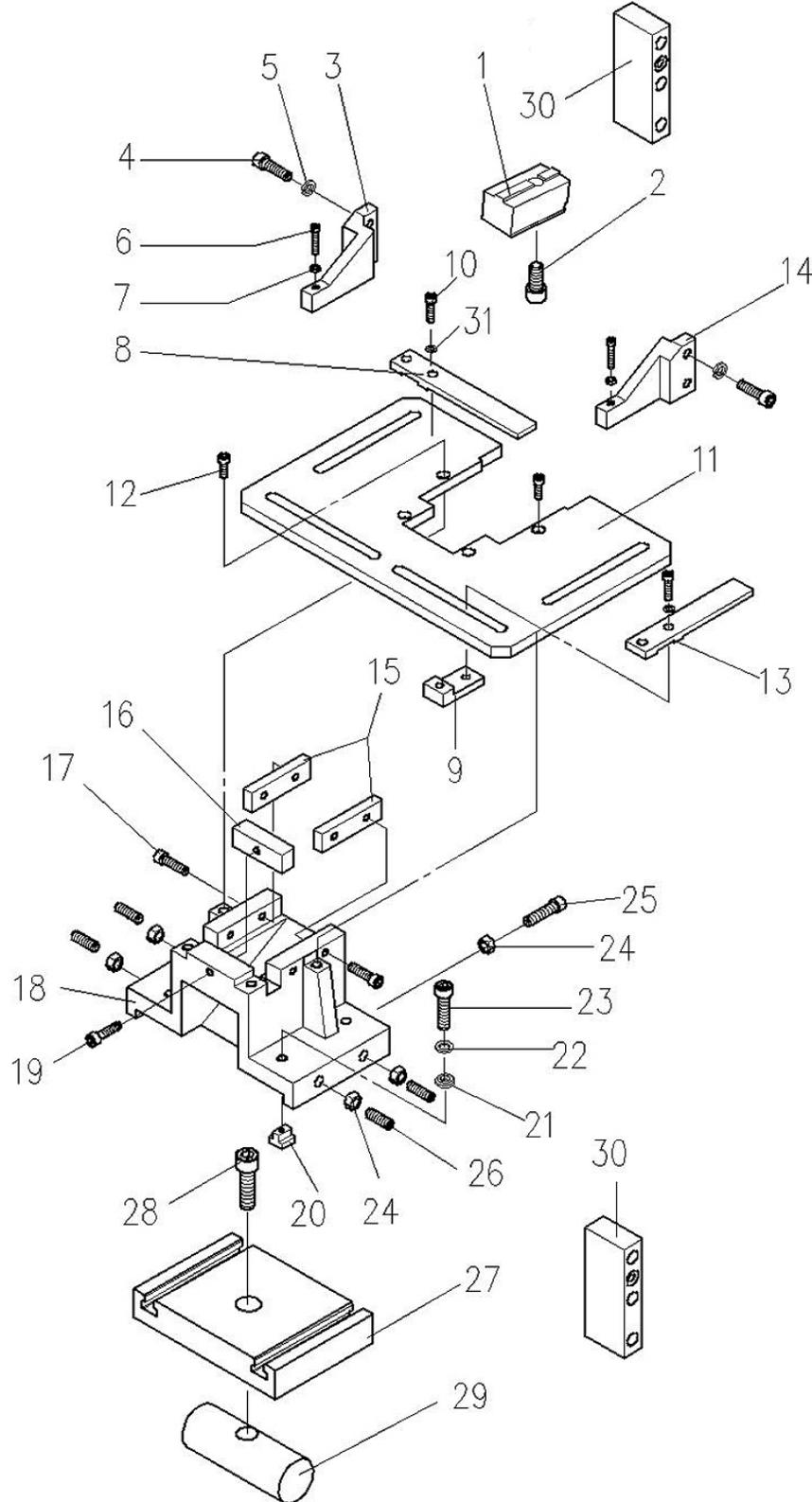


### Shear Station Parts List

Item	Part Number	Description	Qty.	
1	217609001A	Angle, Rd/Sq Bar Shear Moving Blade	1	
2	217609002A	Angle, Rd/Sq Bar Shear Stationary Blade	1	
3	211610900	211610001A	Shear Hold Down Screw	1
		211310011	Hold Down Screw End Piece	1
		56306S0060030	Spring Pin Ø6X30	1
4	211309004	Rd/Sq Bar Shear Blade Fix Plate	2	
5	56301A0012020	Hex Bolt M12X20	4	
6	56301C8010040	Set Screw M10X40	4	
7	56302B0110	Nut M10	8	
8	211601010A	Hold Down Guide Block	2	
9	56301A0012060	Hex Bolt M12X60	4	
10	217608003A	Shear Hold Down (M)	1	
11	217608005A	Shear Hold Down (S)	1	
12	56303A00012	Spring Washer M12	7	
13	56301A0012035	Hex Bolt M12X35	6	
14	217608001A	Flat Shear Upper Blade	1	
15	217608002A	Flat Shear Lower Blade	1	
16	56301C8010025	Set Screw M10X25	4	
17	217608004A	Flat Shear Table	1	
18	211308005A	Flat Shear Stopper	2	
19	56301A0010025	Hex Bolt M10X25	2	
20	56301A0010030	Hex Bolt M10X30	2	
21	56303B11012025	Flat Washer 3/8"	2	
22	211308006A	T-Shaped Nut M10	2	
23	56301C8012035	Set Screw M12X35	4	
24	56302B0112	Nut M12	4	
25	56301A0010040	Hex Bolt M10X40	2	
26	217602023	Safety Guard For Shear Hold Down	2	
27	56301A0005012	Hex Bolt M5X12	6	
28	56303A00005	Spring Washer M5	6	
29	56301A0012030	Hex Bolt M12X30	4	



# NOTCHING STATION PARTS DIAGRAM



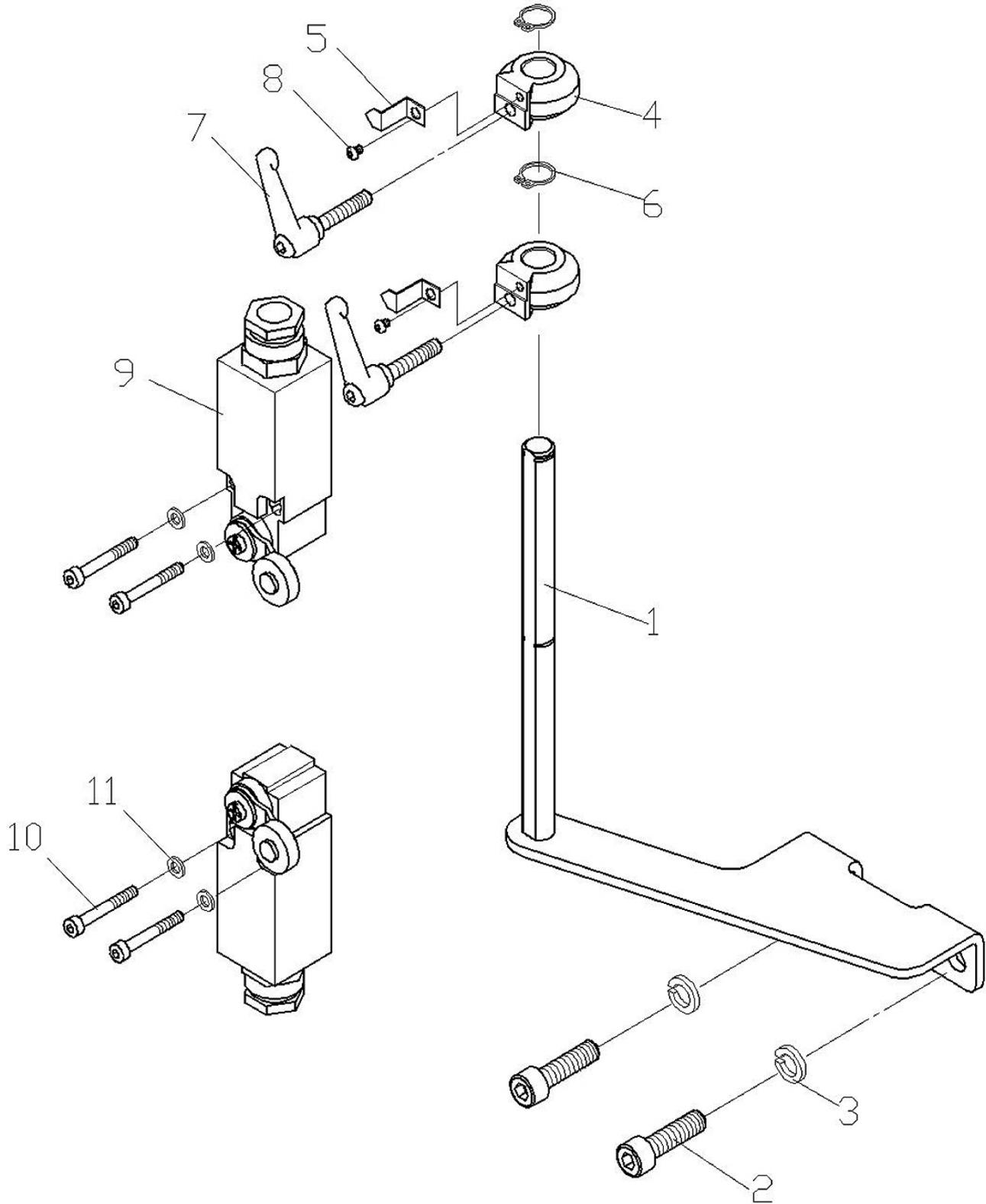


**Notching Station Parts List**

Item	Part No	Description	Qty.
1	213206001A	Notcher Top Blade	1
2	56301A0018045	Hex Bolt M18X40	1
3	211306004A	Notching Stripper (left)	1
4	56301A0012030	Hex Bolt M12X30	4
5	56303A00012	Spring Washer M12	4
6	56301A0008050	Hex Bolt M8X50	2
7	56302B0108	Hex Nut M8	2
8	211606007	Stopper Plate (long)	1
9	211605009A	Clamping Plate	2
10	56301A0010040	Hex Bolt M10X40	4
11	211606003A	Notching Table	1
12	56301A0008016	Hex Bolt M8X16	4
13	211605008A	Stopper Plate (short)	1
14	211306005A	Notching Stripper (right)	1
15	211306002F	Notcher Side Blade	2
16	211306003C	Notcher Front Blade	1
17	56301A0010020	Hex Bolt M10X20	4
18	211306008D	Notcher Bolster	1
19	56301A0010035	Hex Bolt M10X35	1
20	211305012	T-Shaped Nut M12	4
21	56303D00012024045	Flat Washer M12	4
22	56303A00012	Spring Washer M12	4
23	56301A0012050	Hex Bolt M12X50	4
24	56302B0112	Hex Nut M12	6
25	56301A0012035	Hex Bolt M12X35	2
26	56301C0012025	Set Screw M12X25	4
27	217601018B	Mounting Table	1
28	56301A0020065	Hex Bolt M20X65	1
29	217601005	Clamping Shaft	1
30	217601007A	Main Slide Guide Plate (1)	2
31	56303A00010	Spring Washer M10	4



## LIMIT SWITCH ADJUSTMENT PARTS DIAGRAM



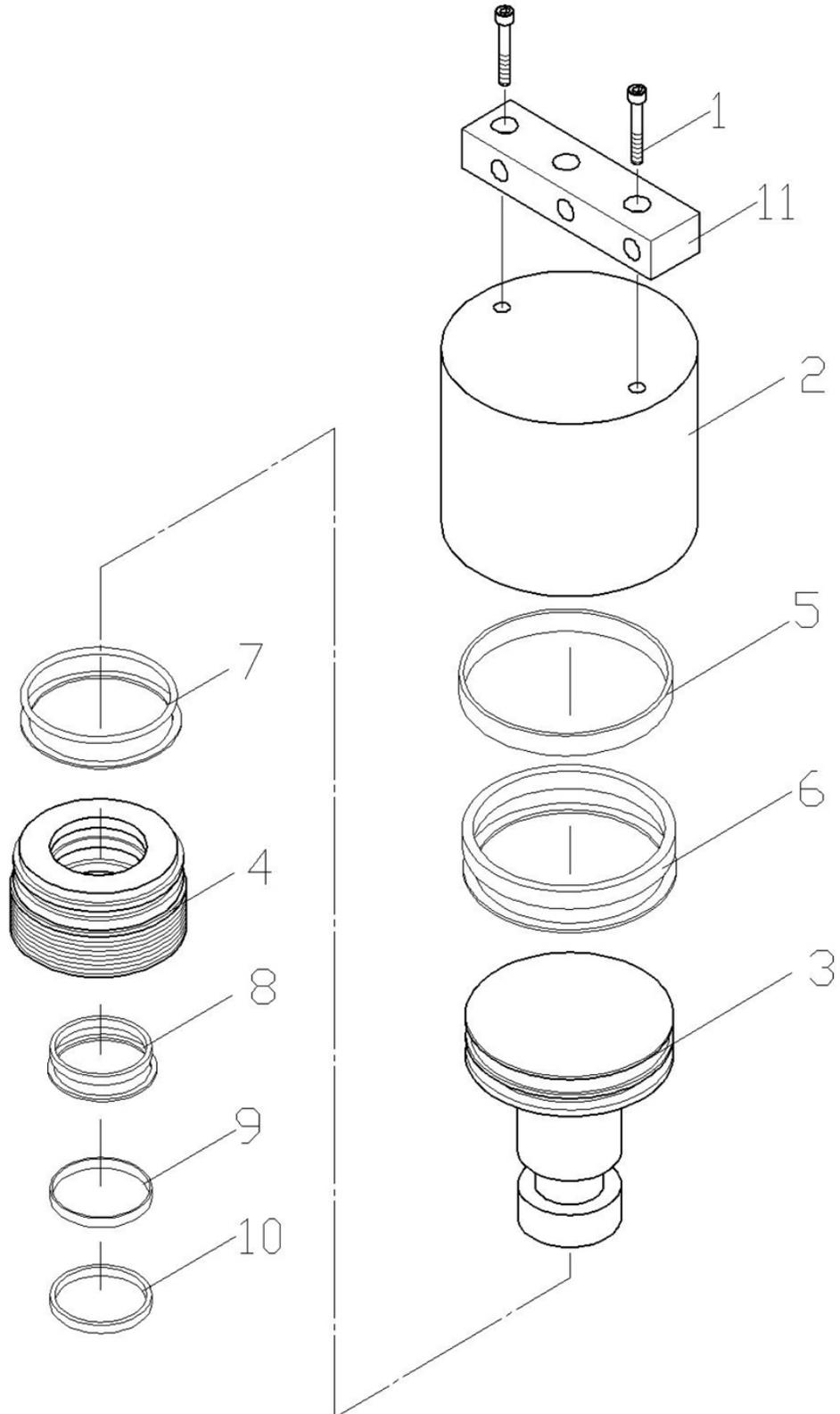


### Limit Switch Adjustment Parts List

Item	Part Number	Description	Qty.
1	217604901	Stroke Adjustment Rod	1
2	56301A0008020	Hex Bolt M8X20	2
3	56303A00008	Spring Washer M8	2
4	213204007	Limit Switch Actuator (Side)	2
5	213204008	Indicating Pointer	2
6	56304S0012	S Clip S-12	2
7	56315404045M625	Clamp Handle M6X25	2
8	56301H0004008	Cap Screw M4X8	2
9	52411XCKN2118G11	Limit Switch	2
10	56301A0004030	Hex Bolt M4X30	4
11	56303B10005010	Flat Washer 5/32"	4



**CYLINDER ASSEMBLY PARTS DIAGRAM**



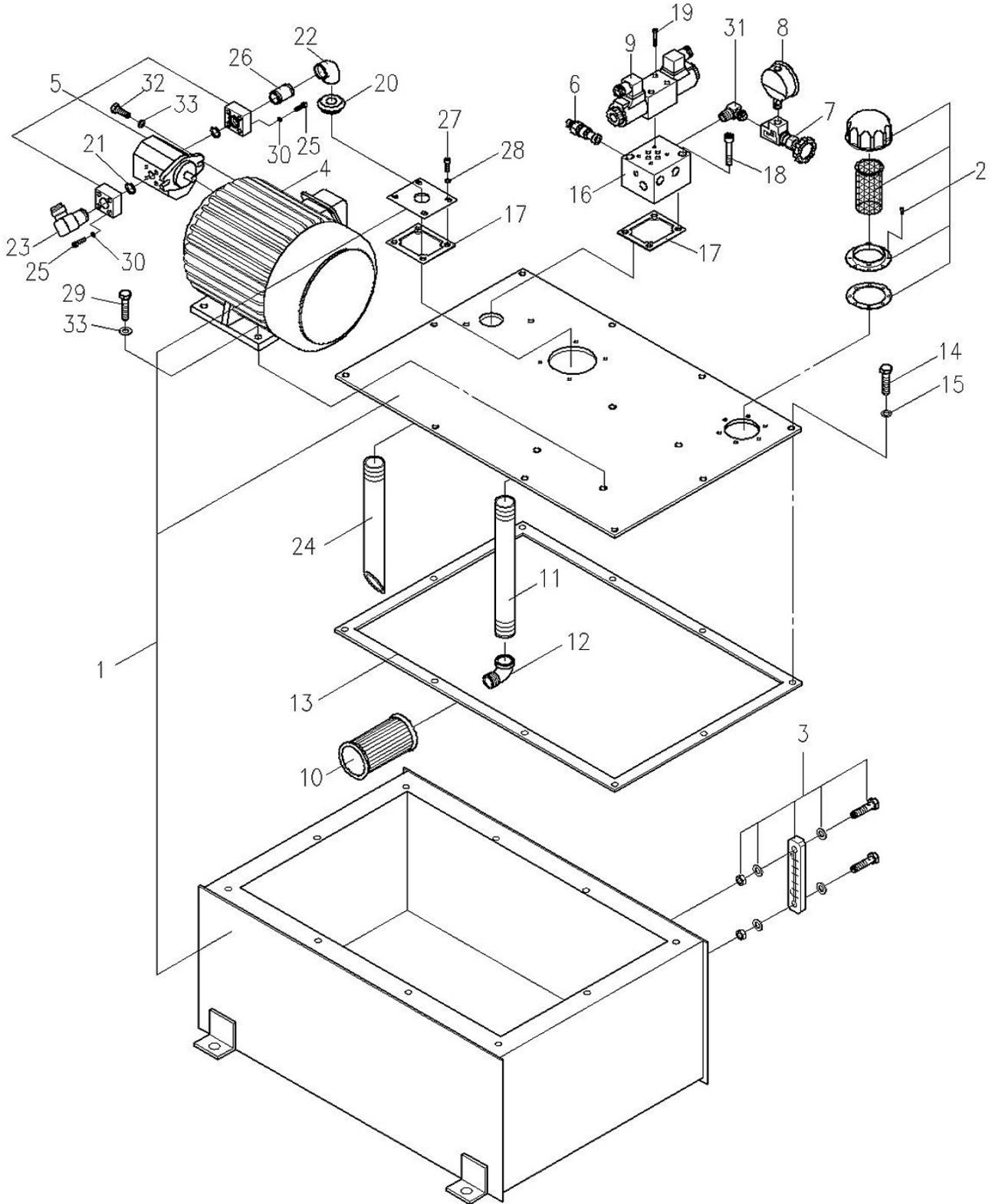


**Cylinder Assembly Parts List**

Item	Part Number	Description	Qty.	
1	56301A0012070	Hex Bolt M12X70	2	
2	211603901B	Cylinder Pipe	1	
3	211603001C	Piston Rod + Piston	1	
4	211603002A	Cylinder Rod Cover	1	
5	534011603900C	53407W260000500	Wear Ring	1
6		534020203R 538106000379A	Piston Seal	1
7		534032358 534048358	O-Ring + Back Up Ring	1
8		5340525003000375B 534040889076303	U Packing + Back Up Ring	1
9		53407W232500500	Wear Ring	1
10		53406H3000	Dust Seal	1
11		217601019B	Flying Rings Plate	1



# HYDRAULIC COMPONENTS ASSEMBLY PARTS DIAGRAM





### Hydraulic Components Assembly Parts List - 3 Phase

Item	Part Number	Description	Qty.
1	217602910C 217602006C 217602007 211602057	Oil Tank	1
2	53702HY08A	Breather & Filler	1
3	53701LG4	Oil Level Gauge	1
4	3HP 50HZ 415V: 52301030PK 220V: 52301030PK 230V: 52301030PK 380V: 52301030PK 460V: 52301030PK 575V: 2301030DH	3 Phase Motor	1
5	53201ALP1AD09E	Pump(Flange)	1
6	53656RPECFAN	Relief Valve	1
7	53652ST02L	Gauge Cock	1
8	53621CBLM63350	Pressure Gauge	1
9	53651DFA02005	Solenoid Valve	1
10	53301MF003	Suction Filter	1
11	56278010608K	Pipe 3/8"X240mm	1
12	56225320606	Reducing Street Elbow	1
13	211603007	Oil Tank Cover Seal	1
14	56301D0008025	Bolt M8X25	10
15	56303A00008	Spring Washer M8	10
16	211603003A	Manifold Block	1
17	211603005	Packing	2
18	56301A0008065	Hex Bolt M8X65	2
19	56301A0005040	Hex Bolt M5X40	4
20	53409NT03	Dust Seal For Pipe Standard 3/8"	1
21	53403P016VT	O-Ring P16	2
22	56226320606	90° Joint 3/8"	1
23	56203310606	90° Joint 3/8"TX3/8"H	1
24	56278010808K	Pipe 1/2"X240mm	1
25	56301A0006030	Hex Bolt M6X30	8
26	56278010602K	Pipe 3/8"X60mm	1



Item	Part Number	Description	Qty.	
27	56301A0006012	Hex Bolt M6X12	4	
28	56303A00006	Spring Washer M6	4	
29	56301D0010055	Bolt M10X55	4	
30	56303A00006	Spring Washer M6	8	
31	56202310404	90° Joint 1/4"TX1/4"T	1	
32	56301D0010030	Bolt M10X30	2	
33	56303A00010	Spring Washer M10	6	
34	5350176001	5350202C0060435	Hyd. Hose 3/8"X2WX435	1
		5350202A0060980	Hyd. Hose 3/8"X2WX980	1
		5350202D0061060	Hyd Hose 3/8"X2WX1060	1



### Hydraulic Components Assembly Parts List - 1 Phase

Item	Part Number	Description	Qty.
1	217602930C 217602027C 217602007 211602057	Oil Tank	1
2	53702HY08A	Breather & Filler	1
3	53701LG4	Oil Level Gauge	1
4	3HP 50HZ	220V: 52302030YM	Single Phase Motor
	3HP 60HZ	220V: 52302030AF 230V: 52302030AF	
5	53201ALP1AD09E	Pump(Flange)	1
6	53656RPECFAN	Relief Valve	1
7	53652ST02L	Gauge Cock	1
8	53621CBLM63350	Pressure Gauge	1
9	53651DFA02005	Solenoid Valve	1
10	53301MF003	Suction Filter	1
11	56278010608K	Pipe 3/8"X240mm	1
12	56225320606	Reducing Street Elbow	1
13	211603007	Oil Tank Cover Seal	1
14	56301D0008025	Bolt M8X25	10
15	56303A00008	Spring Washer M8	10
16	211603003A	Manifold Block	1
17	211603005	Packing	2
18	56301A0008065	Hex Bolt M8X65	2
19	56301A0005040	Hex Bolt M5X40	4
20	53409NT03	Dust Seal For Pipe Standard 3/8"	1
21	53403P016VT	O-Ring P16	2
22	56226320606	90° Joint 3/8"	1
23	56203310606	90° Joint 3/8"TX3/8"H	1
24	56278010808K	Pipe 1/2"X240mm	1
25	56301A0006030	Hex Bolt M6X30	8
26	56278010602K	Pipe 3/8"X60mm	1
27	56301A0006012	Hex Bolt M6X12	4
28	56303A00006	Spring Washer M6	4
29	56301D0010055	Bolt M10X55	4



Item	Part Number	Description	Qty.	
30	56303A00006	Spring Washer M6	8	
31	56202310404	90° Joint 1/4"TX1/4"T	1	
32	56301D0010030	Bolt M10X30	2	
33	56303A00010	Spring Washer M10	6	
34	5350176001	5350202C0060435	Hyd. Hose 3/8"X2WX435	1
		5350202A0060980	Hyd. Hose 3/8"X2WX980	1
		5350202D0061060	Hyd Hose 3/8"X2WX1060	1



NOTES



NOTES



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