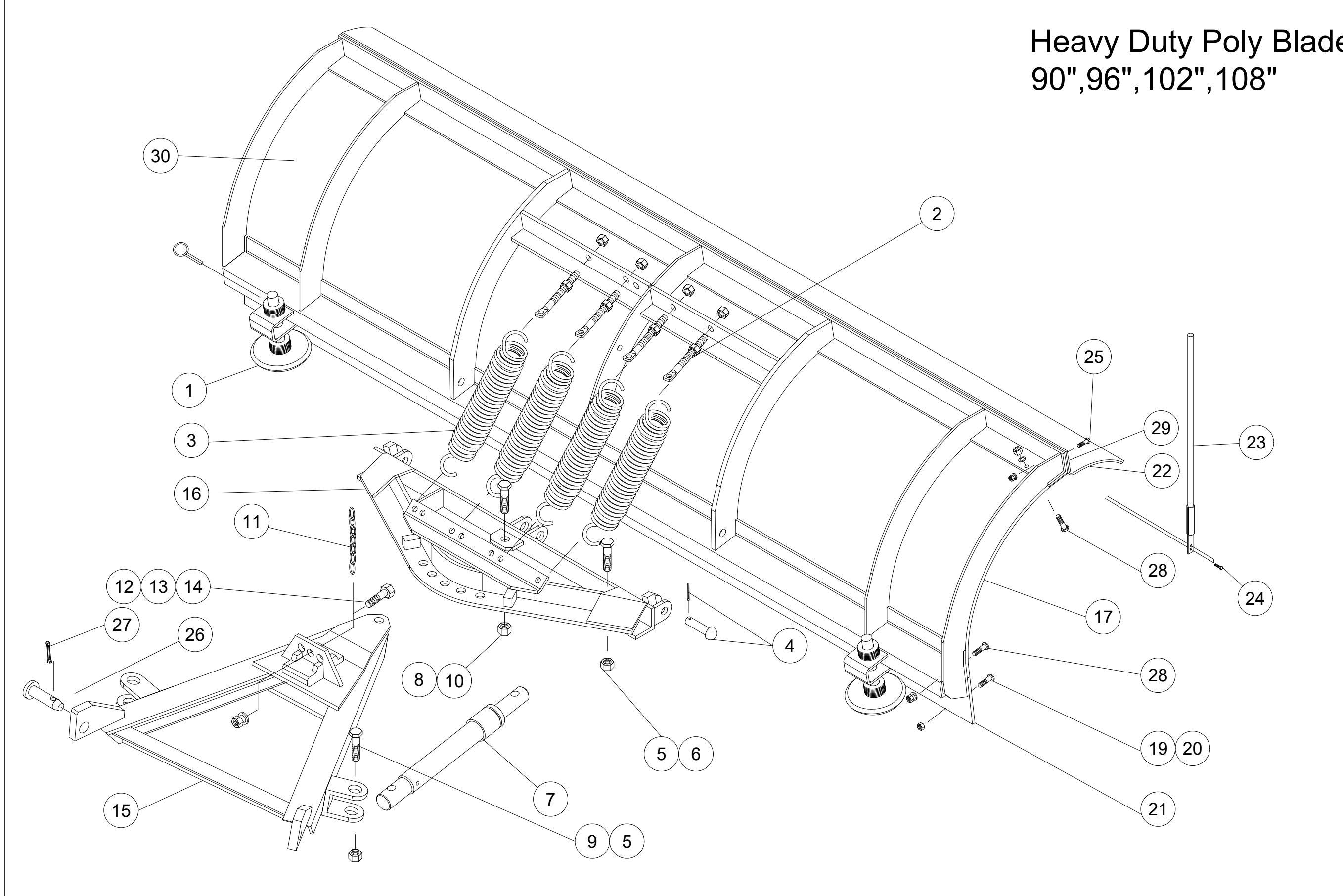
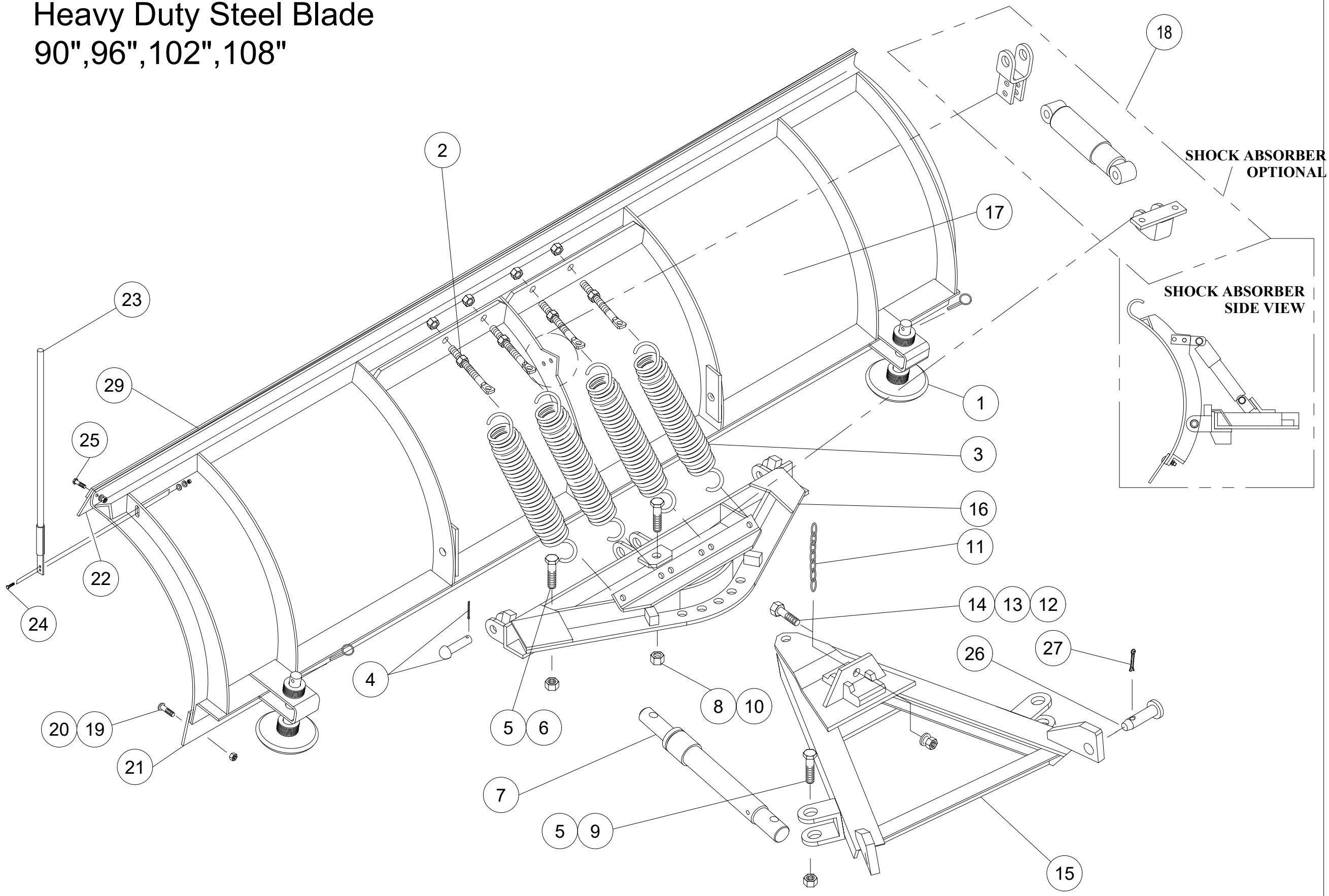




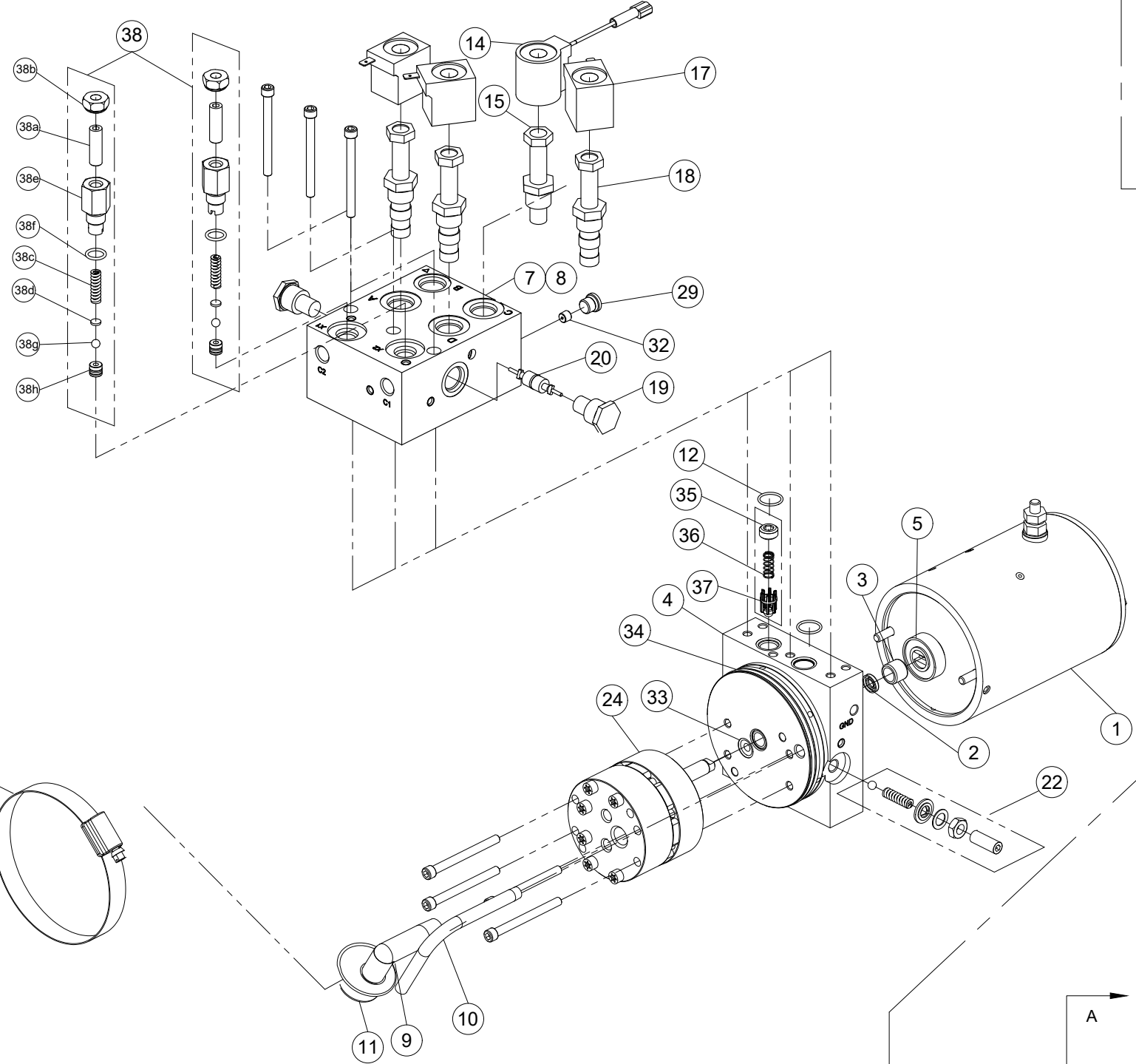
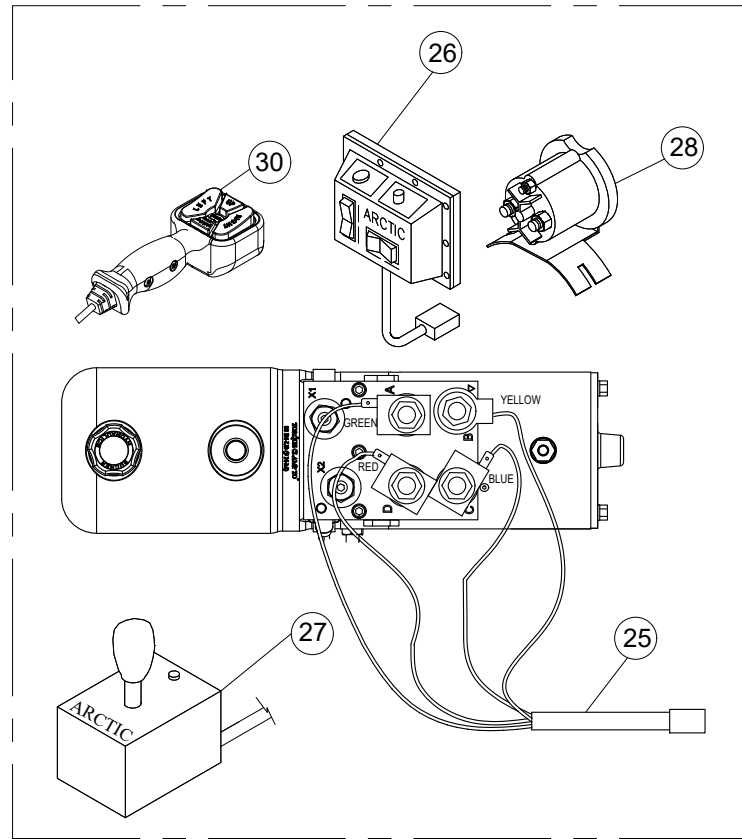
Heavy Duty Poly Blade
90",96",102",108"

Sr #	Part #	Description	Qty
1	50037-B	Shoe Assembly Galvanized	2
2	50191-M	Eye bolt Assembly	4
3	50180-C	Trip Spring	4
4	50232-M	3/4" x 3" Rivet assembly	3
5	HH-00973-007	3/4" Nylon insert thin locknut	4
6	HH-00972-153	3/4" x 3 1/2" UNF cap screw	2
7	CS150-10.00-NRS	1 1/2" x 10" Angling cylinders	2
8	HH-00540-003	3/4" - 16 Nylon Insert	1
9	HH-00972-152	3/4" x 3 1/4" UNF hex head cap screw	2
10	53600-0005	3/4" x 4" UNF hex head cap screw Grade 8	1
11	55018-M	Long lift chain, 40 in	1
12	HH-00972-090	1/2 - 20 x 1 1/2" cap screw	1
13	HH-00460-002	1/2" - 20 hex nut	1
14	HH-00457-001	1/2" lock washer	1
15	50656-D-GA	32" A Frame, Galvanized	1
16	52272-M-GA	HD 4 Spring Poly Quadrant, Galvanized	1
17	52347-M-GA	HD 4 Spring Commercial Steel Quadrant, Galvanized	1
18	52264-M-GA	90° Poly Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
19	52265-M-GA	96° Poly Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
20	52266-M-GA	102° Poly Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
21	52267-M-GA	108° Poly Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
22	53467-M-GA	90° Steel Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
23	52343-M-GA	96° Steel Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
24	52344-M-GA	102° Steel Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
25	53468-M-GA	108° Steel Blade Ass'y (c/w skin, cutting edge, deflector, shoes)	1
26	52298-M-GA	Shock absorber assembly Galvanized	1
27	HH-00971-13708	1/2" - 13 x 1 3/4" G8 Carriage bolt	8
28	HH-00340-003	1/2" - 13 Nylon insert	8
29	52233-M	90° Steel cutting edge Offset (Poly Blade)	1
30	52234-M	96° Steel cutting edge Offset (Poly Blade)	1
31	52235-M	102° Steel cutting edge Offset (Poly Blade)	1
32	52236-M	108° Steel cutting edge Offset (Poly Blade)	1
33	50035-N	90° Center punched cutting edge Steel blade	1
34	50036-N	96° Center punched cutting edge Steel blade	1
35	50030-B	102° Center punched cutting edge Steel blade	1
36	51161-C	108° Center punched cutting edge Steel blade	1
37	52245-M	90° Deflector	1
38	52245-CR	90° Curved Deflector	1
39	52246-M	96° Deflector	1
40	52246-CR	96° Curved Deflector	1
41	52247-M	102° Deflector	1
42	52247-CR	102° Curved Deflector	1
43	52280-M	108° Deflector	1
44	52280-CR	108° Curved Deflector	1
45	50999-B	Blade guides	2
46	G8001	Blade guide bolt assembly	2
47	52288-M	Deflector bolt bag kit for 90° 96°, 102° Poly & Steel blades	1
48	52289-M	Deflector bolt bag kit for 108° poly & steel blades	1
49	53325-A	A frame rivet pin	2
50	HH-00020-164	Cotter pin	2
51	55013-N	1/2" x 1 1/2" carriage bolt assembly for skin	16
52	52239-M-GA	Strap 90°	1
53	52240-M-GA	Strap 96°	1
54	52241-M-GA	Strap 102°	1
55	52279-M-GA	Strap 108°	1
56	52228-02-D	90° Orange Blade skin	1
57	52228-02-D-PLAT	90° Gray Blade skin	1
58	52228-03-D	96° Orange Blade skin	1
59	52228-03-D-PLAT	96° Gray Blade skin	1
60	52228-04-D	102° Orange Blade skin	1
61	52228-04-D-PLAT	102° Gray Blade skin	1
62	52277-D	108° Orange Blade skin	1
63	52277-D-PLAT	108° Gray Blade skin	1

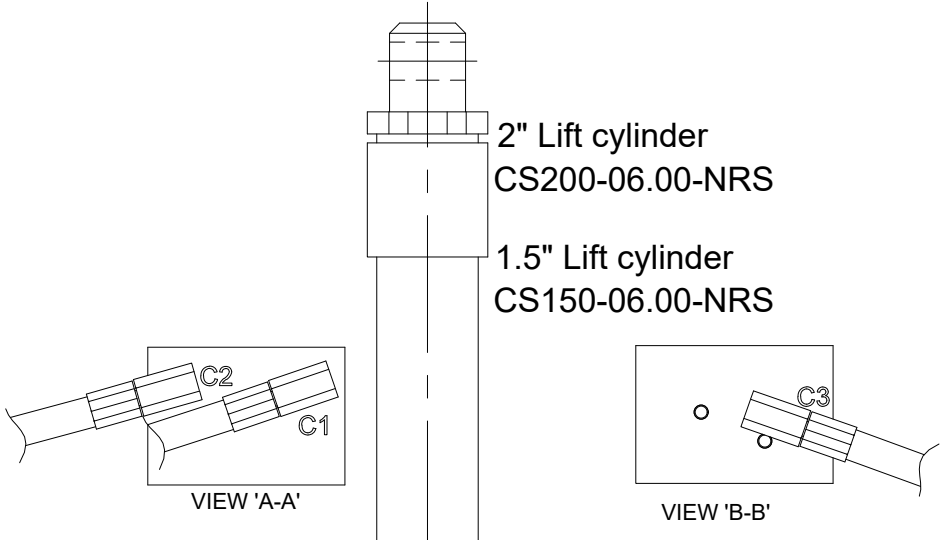
Heavy Duty Steel Blade
90",96",102",108"



M3493 power unit for Poly & Steel blades



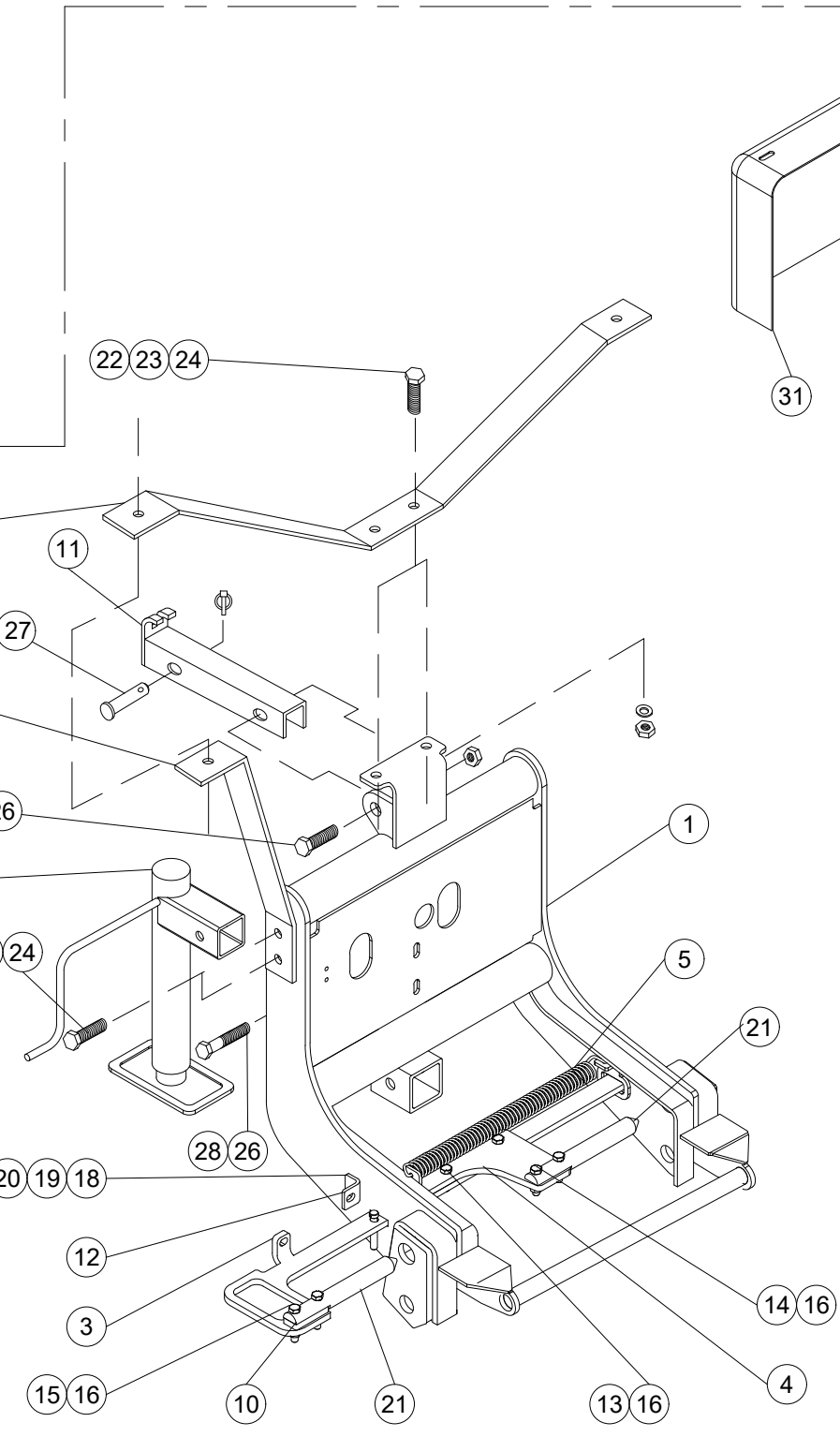
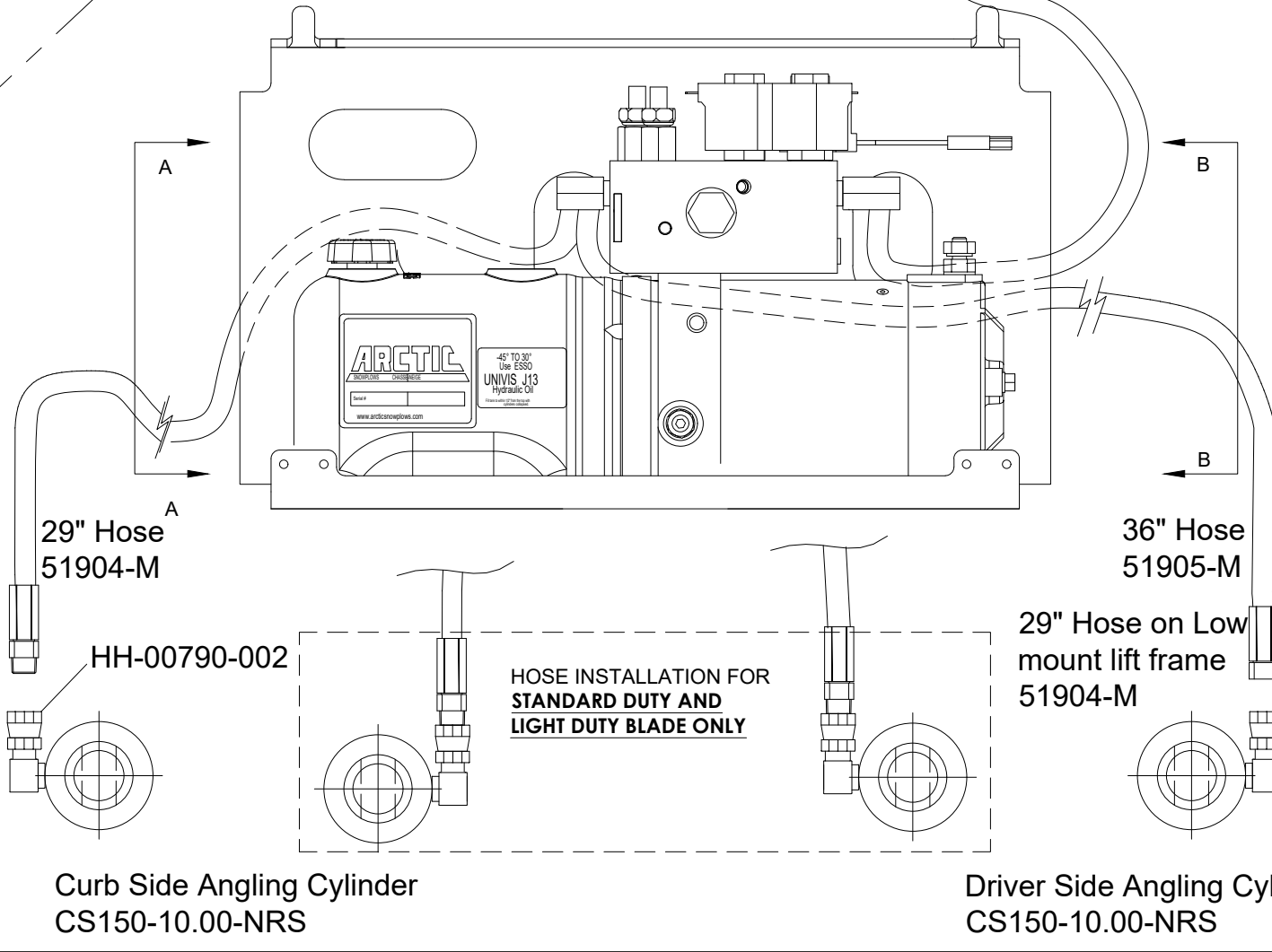
Hydraulic Installation for blades
Using M-3493 Power unit



Sr #	Part #	Description	Qty
1	FP8111-I	12V DC Motor	1
2	FP2159	Pump Shaft seal	1
3	FP7985	Needle bearing	1
4	FP21115	M3493 Pump base assembly	1
5	FP2318	Bearing (motor to pump base)	1
6	FP6102	Plastic Reservoir	1
7	FP21812	Manifold assembly	1
8	FP21811	Manifold Only	1
9	FP1209	Suction tube	1
10	FP13058	Return tube	1
11	FP1134	Suction filter	1
12	FP0118	O-ring, 1/16 x 5/8 x 3/4	2
13	FP0490-D	2W/2P Valve Assembly (14,15)	1
14	FP10861-D	12V DC Coil	1
15	FP10907-D	2W/2P Valve Cartridge	1
16	FP7249-D	3W/2P Valve Assembly (17,18)	3
17	FP18835-D	10V DC Coil	1
18	FP0679-D	3W/2P Valve Cartridge	1
19	FP7217	P.O Check Valve	2
20	FP7218	Piston for P.O Check valve	1

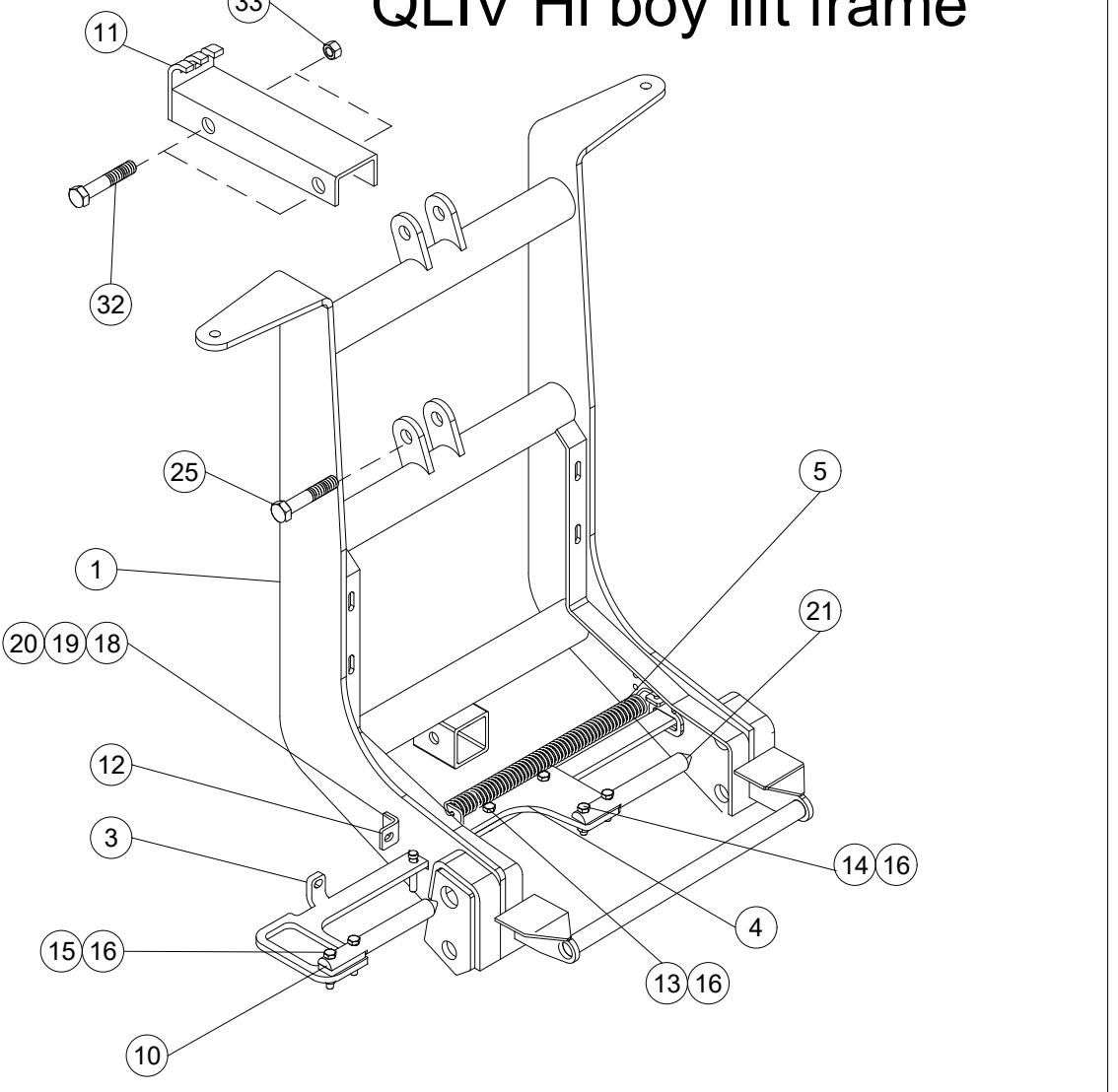
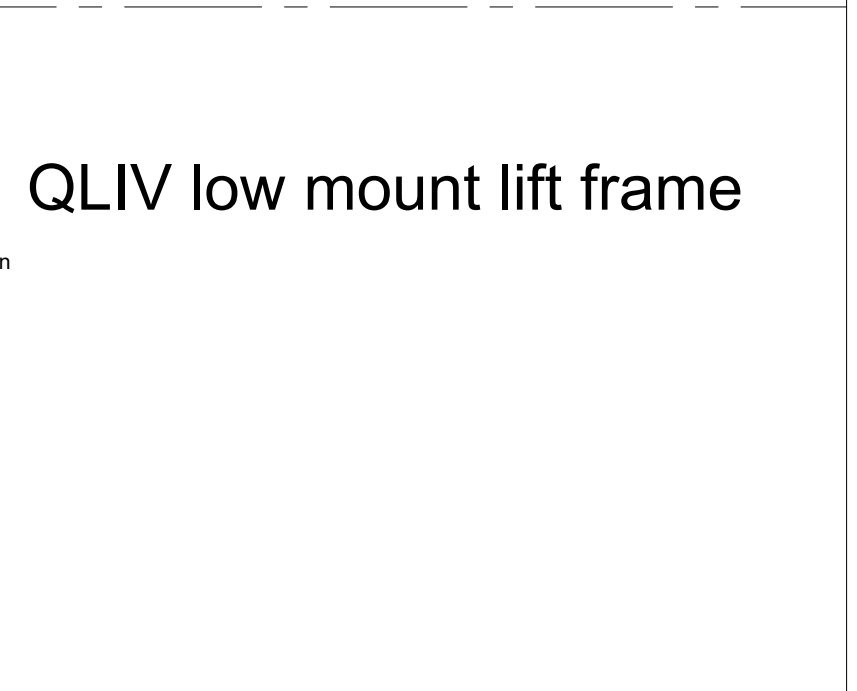
Sr #	Part #	Description	Qty
21	FP7526	Check valve kit	1
22	FP7527	Relief valve kit	1
23	FPN0571	Breather	1
24	FP12171-250-SA	Pump assembly kit	1
25	FPN0670	Harness Valve Section	1
26	FPN0455-SA	Control station, rocker switch	1
27	53647-MPX	MPX Straight blade Joystick	1
28	FP17757	Solenoid	1
29	53220-N	Plug, SAE #4 (7/16")	1
30	53282-M	Standard Straight blade controller	1
31	53282-MPX	MPX Straight blade controller	1
32	FP7900	Clamp, torque upto 80 lb-in	1
33	FP2361	1/16" orifice	1
34	FP0120	O-ring, 1/16 x 1/2 x 5/8	1
35	FP2352	O-ring, 1/8 x 3/4 x 4	1
36	FP7732	Screw, spring retainer 9/16"	1
37	FP0130	Spring	1

Sr #	Part #	Description	Qty
37	FP18391	Poppet	1
38	FP13023	Cross Over valve assembly	2
38a	FP7899	Screw	1
38b	FP0386	Sealing nut	1
38c	FP0147	Spring	1
38d	FP1288	Plate	1
38e	FP0379	Housing	1
38f	FP0114	O-ring	1
38g	FP0012	Ball	1
38h	FP0378	Seat	1



Sr #	Part #	Description	Qty
1	53564-D	QLIV Low mount lift frame	1
2	53661-D	QLIV Hi boy lift frame	1
3	53179-M	Spring Bracket	1
4	53177-M	Lock Handle	1
5	53178-M	Top Plate	1
6	53182-N	QLIV Lock Spring	1
7	52209-B-GA	Galvanized Light Brace	1
8	50999-B	Blade guides	2
9	52373-M	Jack Assembly	1
10	53180-B	Spacer	1
11	50069-C-GA	Lift channel (for 1 1/2" lift cylinder)	1
12	52612-B-GA	Lift channel (for 2" lift cylinder)	1
13	53174-B	Lock Bracket	1
14	HH-00293-050	3/8" - 16 x 1 1/4" Hex head cap screw	2
15	HH-00293-053	3/8" - 16 x 2" Hex head cap screw	3
16	HH-00340-001	3/8" - 16 Nylon Inserts	2
17	53183-N	Hitch Pin	7
18	HH-00294-001	1/4" - 20 Hex nut	2
19	HH-00457-006	1/4" lock-washer	2
20	HH-00293-006	1/4 - 20 x 1" Hex head cap screw	2
21	53181-B	Lift frame pin	2
22	HH-00972-090	1/2" x 1 1/2" Hex head cap screw	6

Sr #	Part #	Description	Qty
23	HH-00457-001	1/2" lock-washer	6
24	HH-00460-002	1/2" Hex nut	6
25	HH-00972-153	3/4" x 3 1/2" UNF Hex head cap screw	1
26	HH-00973-007	3/4" UNF thin collar lock nut	2
27	52757-M	Rivet Assembly (c/w 3/4" pin & 1/4" lynch pin)	1
28	HH-00972-156	3/4" x 4 1/2" UNF Hex head cap screw	1
29	53551-C	Spreader bar (32 1/8" narrow)	1
30	53507-C	Hitch Pin	1
31	53429-C	Power unit cover for low mount lift frame	1
32	HH-00972-155	3/4" x 4" UNF Cap screw	2
33	HH-00973-007	3/4" locknut	3
34	HH-00972-153	3/4" x 3 1/2" UNF Cap screw	1



HD Poly Blade
HD Steel Blade
QLIV Hi boy lift frame
R1 QLIV Low mount lift frame