



Parts Manual

Self-Propelled
Articulating Boom Lifts

BA18J-E



Dingli

Part Number: SM0417211A

Machinery

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Foreword

We are very appreciated for your interesting with Dingli machine and choosing it for your application. Our priority above all is you can use the machine safely for your application and you can benefit from the Dingli machine mostly. For these reason we hope you can:

1. Comply with employer, job site and local governmental rules.
2. The manual provides very important information about the machine. It is essential to the owner or the operator who use the machine. So we strongly recommend that you should read the manual thoroughly before attempting to do anything with the machine, so as to understand and follow the instruction or other information in the manual, especially the safety information.
3. Dingli cannot anticipate every possible circumstance that might involve a potential hazard. The warnings in this publication and on the product are, therefore, not all inclusive. If a tool, procedure, work method or operating technique that is not specifically recommended by Dingli is used, you must satisfy yourself that it is safe for you and for others. You should also ensure that the product will not be damaged or be made unsafe by the operation, lubrication, maintenance or repair procedure that you choose.
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5. Anyone who read the manual or used the machine, is encouraged to notify Dingli Machinery Co, Ltd of any errors or send in suggestions for improvement. All communications will be carefully considered for future printings of this and other manuals, certainly if you have any question about the machine, please contact with our team by dialing technical support phone, sending email, or any methods you want, etc. Our contact information as bellow:

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Chassis

Section 1

Figure 1-1 Axle Assembly

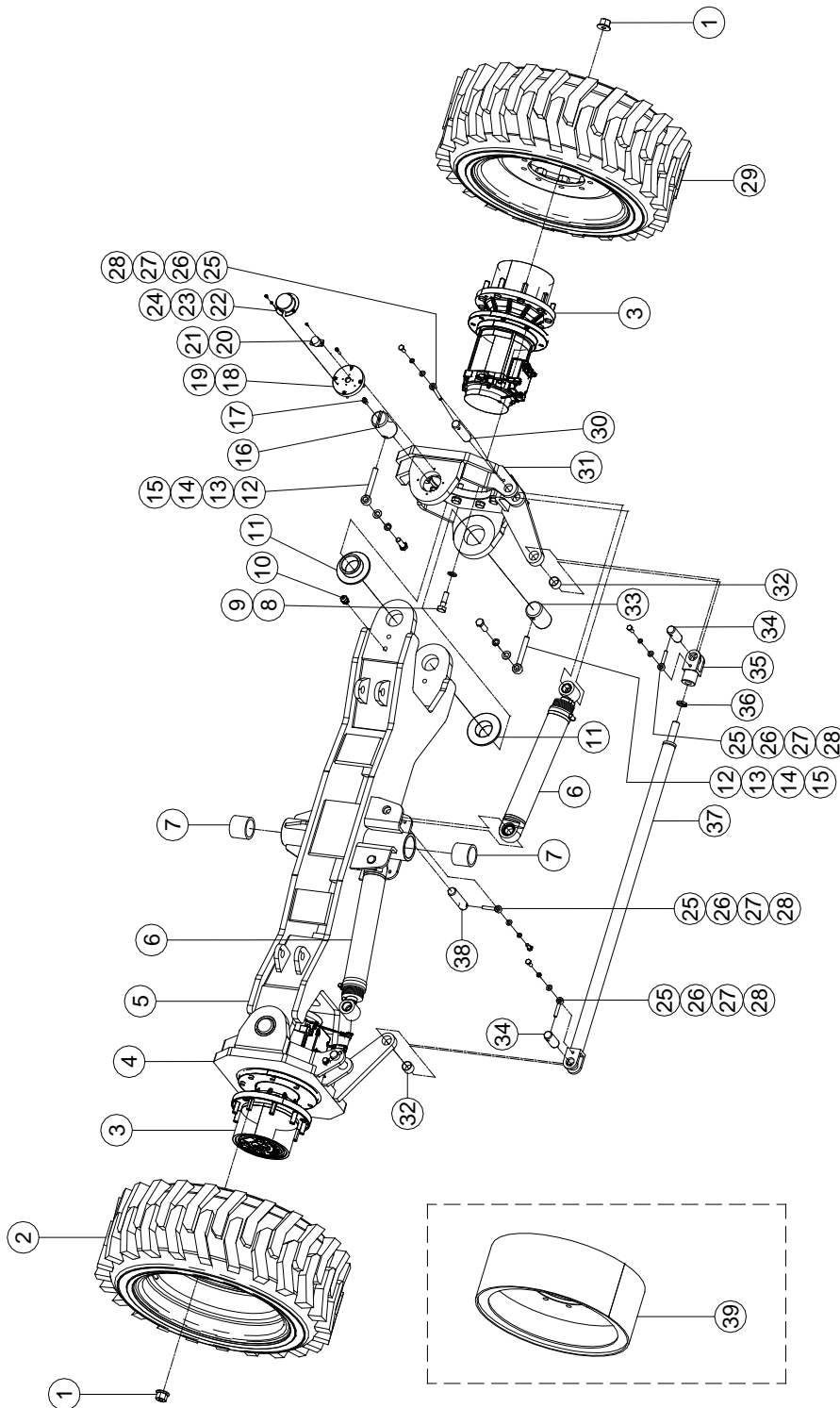


Figure 1-1 Axle Assembly

Item	Part Number	Description	Qty.	Remark
1	00002274	5/8-18UNF Nut	18	
2	00000524	Tire and Wheel Assembly (Left Side)	1	
3	00000526	Drive Motor Assembly	2	
--	00003669	Motor	1	
--	00003670	Reducer	1	
--	00003671	Brake	1	
4	50000245	Spindle Weldment (Left Side)	1	
5	50000227	Front Axle Weldment	1	
6		Steering Cylinder Assembly (<i>See Figure 5-9 for Breakdown</i>)	2	
7	00000431	8813-607560 Sleeve Bearing	2	
8	00001234	5/8-11 x 2 1/4" Heavy Hex Bolt ANSI B18.2.1	16	
9	00001102	Flat Washer 16 JB/ZQ 4080-2006	16	
10	00001826	M16 Clamp	1	
11	50000256	Flange Bearing	4	
12	00000223	8902-16120 Pin, Lock	4	
13	00000997	Flat Washer GB/T 97.1 16	4	
14	00001035	Spring Washer GB/T 93 16	4	
15	00001036	Bolt GB/T 5783 M16 x 50	4	
16	50000257	Pin, Pivot	1	
17	50000224	Shaft, Connect Rotary Sensor	1	
18	50000225	Bracket, Supporting Rotary Sensor	1	
19	00001042	Screw GB/T 70 M6 x 30	4	
20	00005082	Rotary Sensor	1	
21	00001045	Screw GB/T 818 M4 x 10 - Z	2	
22	50000226	Shield, Rotary Sensor	1	
23	00000606	Spring Washer GB/T 93 5	3	
24	00001030	Screw GB/T 70 M5 x 10	3	
25	00000219	8902-10060 Pin, Lock	6	

Figure 1-1 Axle Assembly (Continued)

Item	Part Number	Description	Qty.	Remark
26	00000615	Flat Washer GB/T 97.1 10	6	
27	00000679	Spring Washer GB/T 93 10	6	
28	00000678	Bolt GB/T 5783 M10 × 25	6	
29	00000525	Tire and Wheel Assembly (Right Side)	1	
30	00000079	895-30100 Pin, Pivot	2	
31	50000241	Spindle Weldment (Right Side)	1	
32	00000376	8812-303425 Bushing	2	
33	00000143	895-60085 Pin, Pivot	3	
34	00000078	895-30060 Pin, Pivot	2	
35	50000254	Link, Steer	1	
36	00003192	Nut GB/T 3763 M24×1.5	1	
37	50000250	Tie-Rod	1	
38	00000080	895-30110 Pin, Pivot	2	
39	50000517	Wheel, Transportation	2	

Figure 1-2 Axle/Chassis Installation

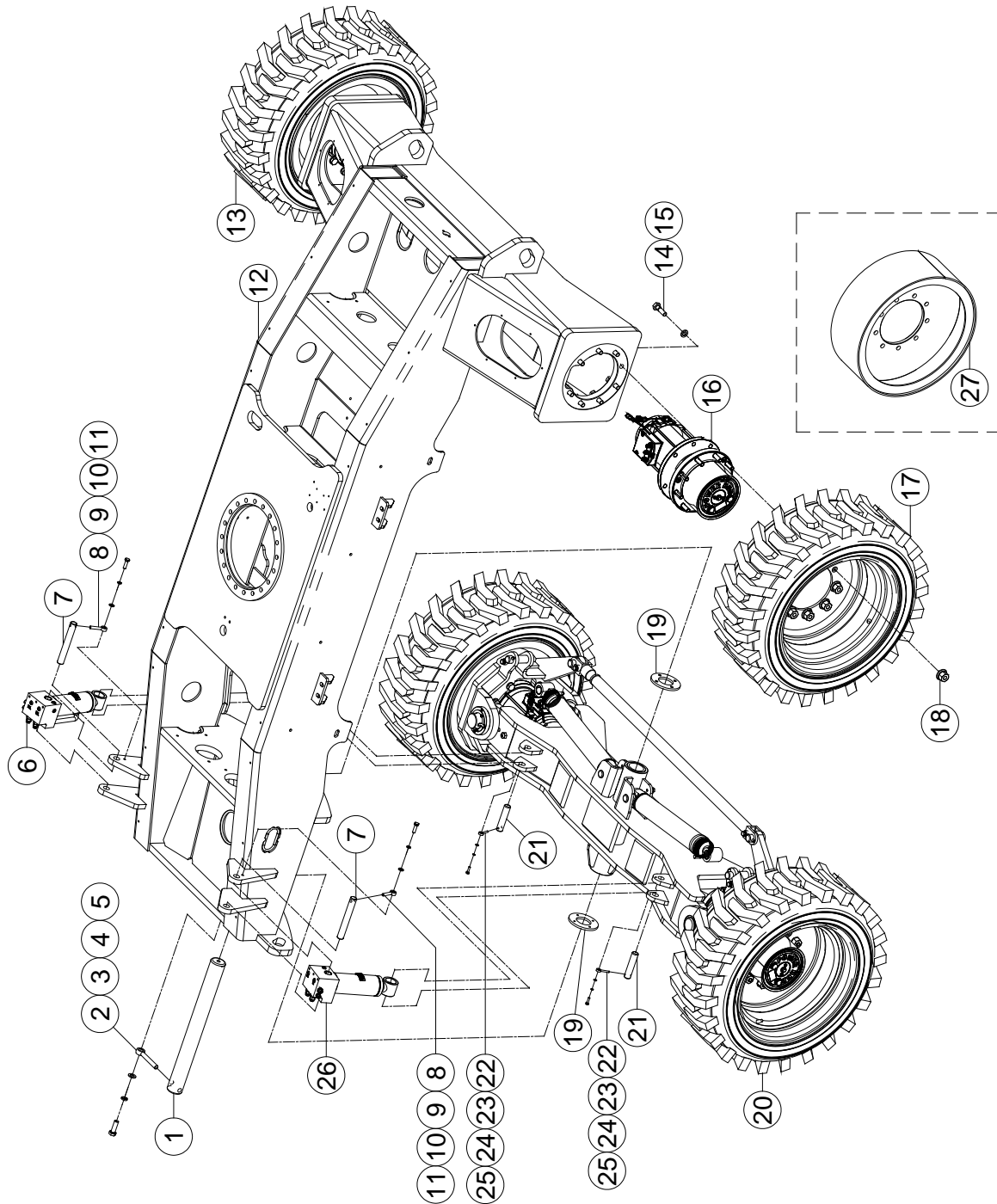


Figure 1-2 Axle/Chassis Installation

Item	Part Number	Description	Qty.	Remark
1	00000175	895C-60570 Pin, Pivot	1	
2	00000223	8902-16120 Pin, Lock	1	
3	00001036	Bolt GB/T 5783 M16 × 50	1	
4	00001035	Spring Washer GB/T 93 16	1	
5	00000997	Flat Washer GB/T 97.1 16	1	
6		Right Axle Lockout Cylinder Assembly (See Figure 5-7 for Breakdown)	1	
7	00000076	895-25170 Pin, Pivot	2	
8	00000219	8902-10060 Pin, Lock	2	
9	00000615	Flat Washer GB/T 97.1 10	2	
10	00000679	Spring Washer GB/T 93 10	2	
11	00000684	Bolt GB/T 5783 M10 × 35	2	
12	50000118	Chassis	1	
13	00000525	Tire and Wheel Assembly (Right Side)	1	
14	00001234	5/8-11 × 2 1/4" Heavy hex bolt ANSI B18.2.1	16	
15	00001102	Flat Washer 16 JB/ZQ 4080-2006	16	
16	00000526	Drive Motor Assembly	2	
--	00003669	Motor	1	
--	00003670	Reducer	1	
--	00003671	Brake	1	
17	00000524	Tire and Wheel Assembly (Left Side)	1	
18	00002274	5/8-18UNF Nut	18	
19	00000324	8831-6008 Washer, Thrust	2	
20		Axle Assembly (See Figure 1-1 for Breakdown)	1	
21	00000061	895-25100 Pin, Pivot	2	
22	00000217	8902-06045 Pin, Lock	2	
23	00000620	Flat Washer GB/T 97.1 6	2	
24	00000621	Spring Washer GB/T 93 6	2	

Figure 1-2 Axle/Chassis Installation (Continued)

Item	Part Number	Description	Qty.	Remark
25	00000619	Bolt GB/T 5783 M6 × 25	2	
26		Left Axle Lockout Cylinder Assembly (See <i>Figure 5-8 for Breakdown</i>)	1	
27	50000517	Wheel, Transportation	2	

Figure 1-3 Module Installation

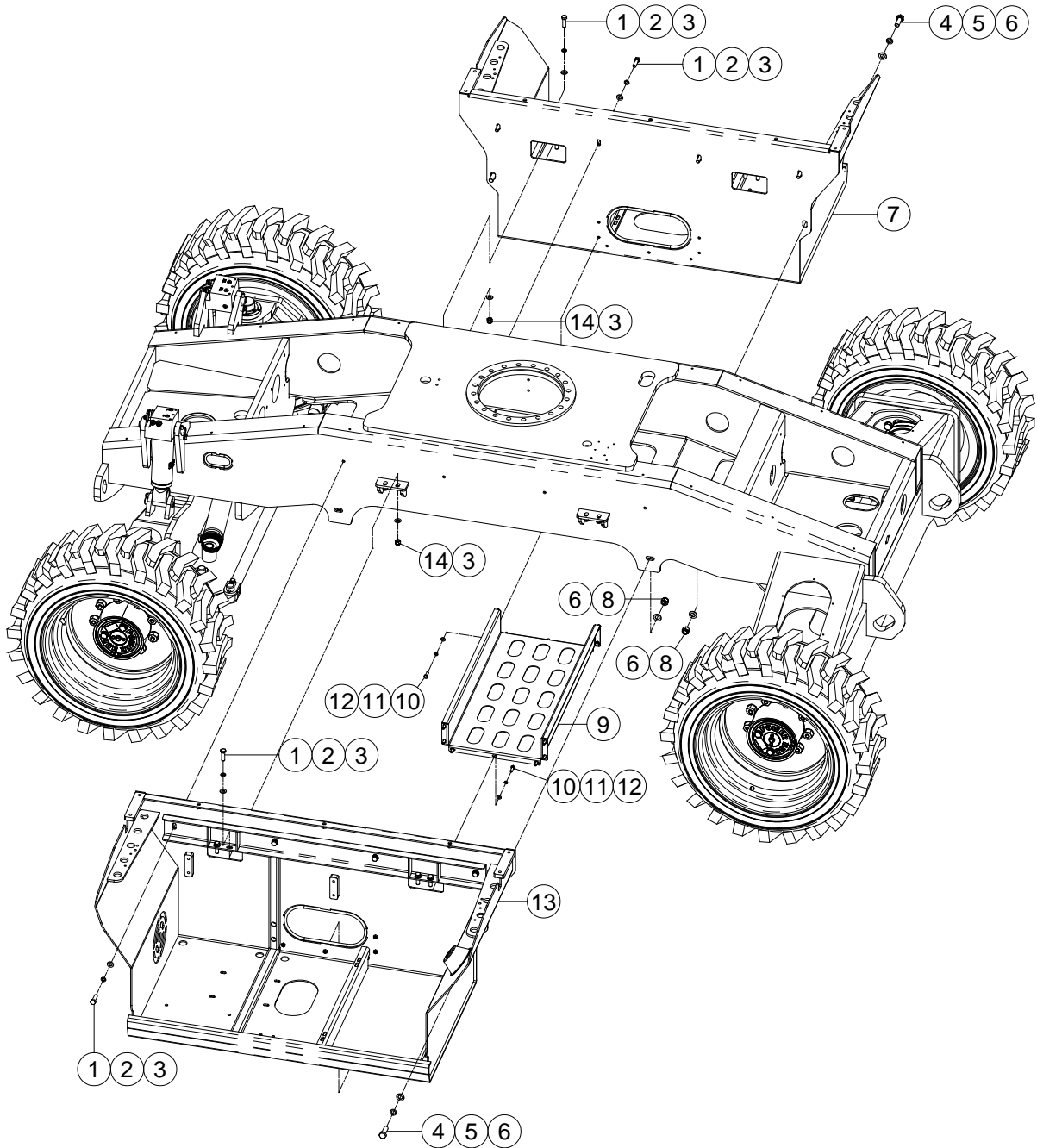


Figure 1-3 Module Installation

Item	Part Number	Description	Qty.	Remark
1	00001055	Bolt GB/T 5783 M12 × 40	16	
2	00000815	Spring Washer GB/T 93 12	16	
3	00000814	Flat Washer GB/T 97.1 12	24	
4	00001057	Bolt GB/T 5783 M16 × 45	4	
5	00001035	Spring Washer GB/T 93 16	4	
6	00000997	Flat Washer GB/T 97.1 16	8	
7	50000156	Hydraulic Module	1	
8	00001058	Nut GB/T 889.1 M16	4	
9	50000117	Shield	1	
10	00000993	Bolt GB/T 5783 M8 × 25	14	
11	00000609	Spring Washer GB/T 93 8	14	
12	00000608	Flat Washer GB/T 97.1 8	14	
13	50000192	Control Module	1	
14	00001056	Nut GB/T 889.1 M12	8	

Figure 1-4 Control Module Assembly, Drawing 1 Of 2

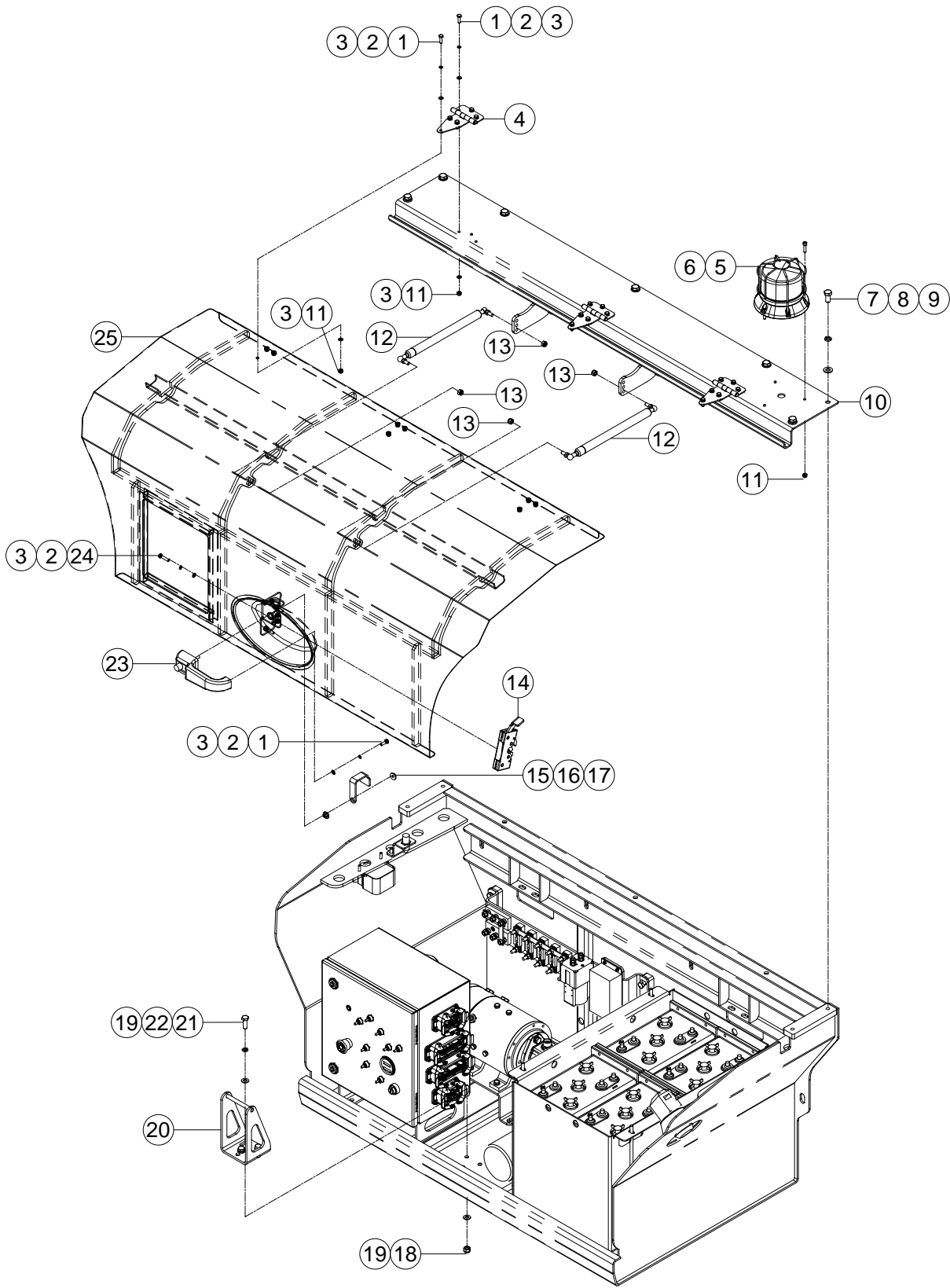


Figure 1-4 Control Module Assembly, Drawing 1 Of 2

Item	Part Number	Description	Qty.	Remark
1	00000743	Bolt GB/T 5783 M6 × 20	21	
2	00000621	Spring Washer GB/T 93 6	25	
3	00000620	Flat Washer GB/T 97.1 6	43	
4	50000492	Hinge	3	
5	00004757	Flashing Beacon	1	
6	00001034	Screw GB/T 70 M6 × 25	3	
7	00000816	Bolt GB/T 5783 M12 × 25	7	
8	00000815	Spring Washer GB/T 93 12	7	
9	00000814	Flat Washer GB/T 97.1 12	7	
10	50000190	Top Cover, Control Module	1	
11	00000742	Nut GB/T 889.1 M6	21	
12	50000493	Spring, Gas	2	
13	00000994	Nut GB/T 889.1 M8	4	
14	10000480	Latch	1	
15	50000479	Nut	1	
16	50000510	Bracket	1	
17	50000478	Pin	1	
18	00000682	Nut GB/T 889.1 M10	3	
19	00000615	Flat Washer GB/T 97.1 10	6	
20	50000489	Seat, Lock	1	
21	00000683	Bolt GB/T 5783 M10 × 30	3	
22	00000679	Spring Washer GB/T 93 10	3	
23	50000524	Doorknob	1	
24	00000775	Bolt GB/T 5783 M6 × 30	4	
25	50000199	Door, Control Module	1	

Figure 1-5 Control Module Assembly, Drawing 2 Of 2

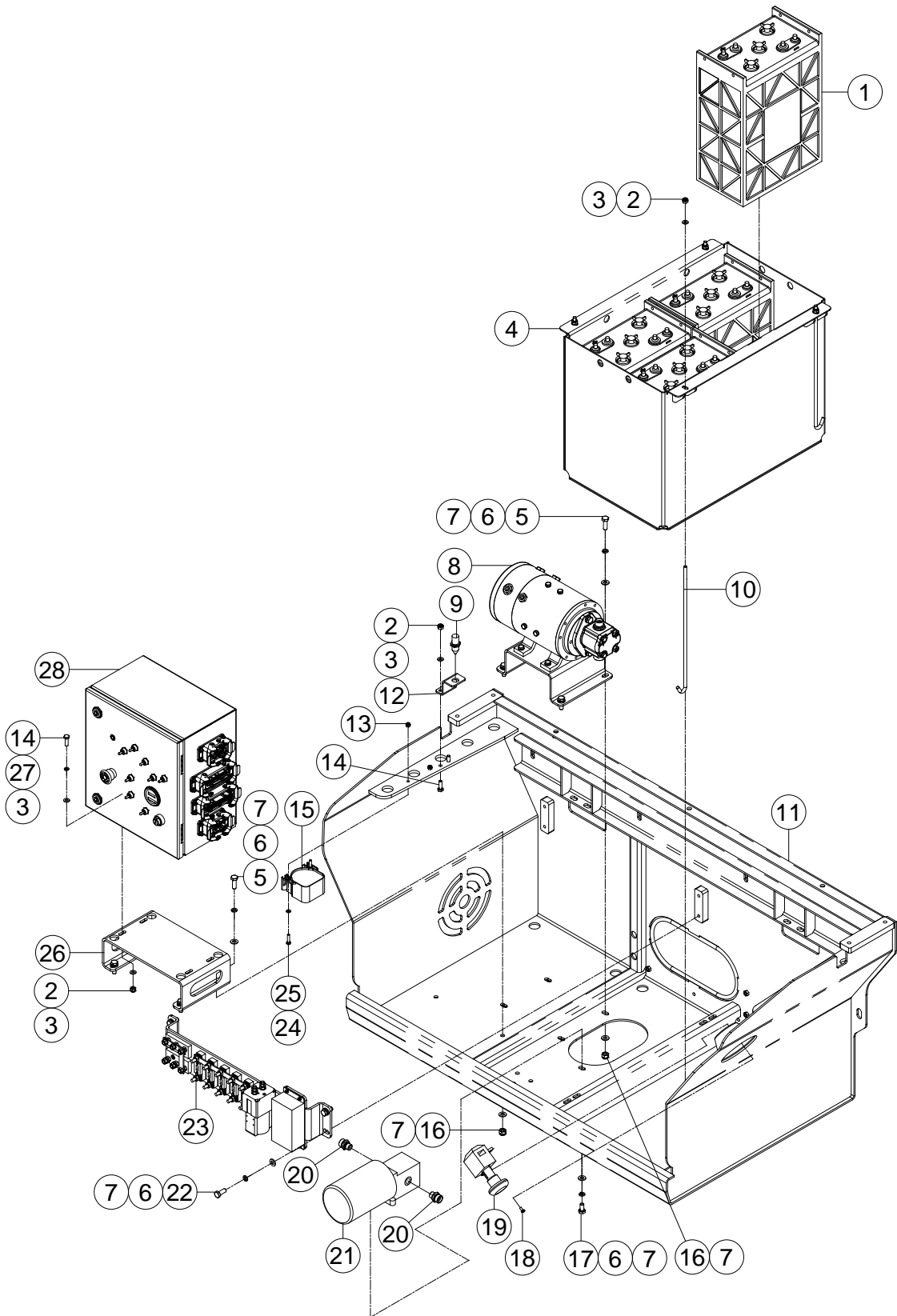


Figure 1-5 Control Module Assembly, Drawing 2 Of 2

Item	Part Number	Description	Qty.	Remark
1	00000637	Battery	4	
2	00000994	Nut GB/T 889.1 M8	10	
3	00000608	Flat Washer GB/T 97.1 8	14	
4	50000484	Box, Battery	1	
5	00000683	Bolt GB/T 5783 M10 × 30	8	
6	00000679	Spring Washer GB/T 93 10	14	
7	00000615	Flat Washer GB/T 97.1 10	22	
8		Motor/Pump Assembly With Bracket (See Figure 1-9 for Breakdown)	1	
9	00000751	Switch, Proximity	1	
10	50000488	Rod, Hold-Down	4	
11	50000192	Control Module	1	
12	50000516	Bracket, Switch	1	
13	00000742	Nut GB/T 889.1 M6	2	
14	00000993	Bolt GB/T 5783 M8 × 25	6	
15	00004438	Buzzer	1	
16	00000682	Nut GB/T 889.1 M10	8	
17	00000674	Bolt GB/T 5783 M10 × 20	2	
18	00000747	Screw GB/T 818 M5 × 10 - Z	2	
19	00000655	Switch	1	
20	00001507	Fitting, Straight	2	
21	90005017	Motor/Pump Assembly	1	
22	00000678	Bolt GB/T 5783 M10 × 25	4	
23		Fuse Assembly with Bracket (See Figure 1-6 for Breakdown)	1	
24	00000620	Flat Washer GB/T 97.1 6	2	
25	00000619	Bolt GB/T 5783 M6 × 25	2	
26	50000210	Bracket, Fixing Ground Control Box	1	
27	00000609	Spring Washer GB/T 93 8	4	

Figure 1-5 Control Module Assembly, Drawing 2 Of 2 (Continued)

Item	Part Number	Description	Qty.	Remark
28		Ground Control Box Assembly (<i>See Figure 1-7 for Breakdown</i>)	1	

Figure 1-6 Fuse Assembly with Bracket

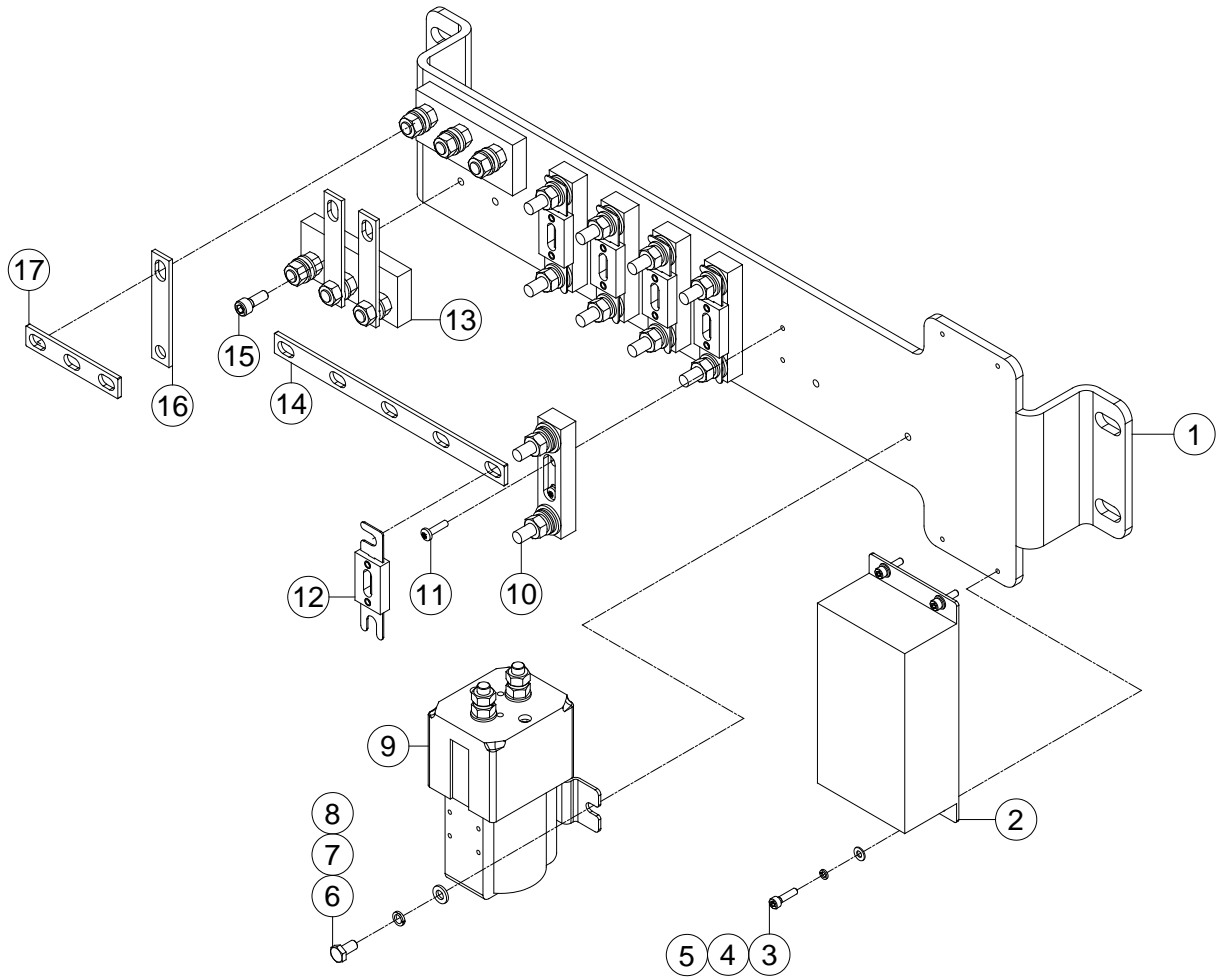


Figure 1-6 Fuse Assembly with Bracket

Item	Part Number	Description	Qty.	Remark
1	50000207	Plate, Bracket	1	
2	00002888	DC Power Supply	1	
3	00000604	Screw GB/T 70 M4x16	4	
4	00000779	Spring Washer GB/T 93 4	4	
5	00000778	Flat Washer GB/T 97.1 4	4	
6	00000745	Bolt GB/T 5783 M6 × 12	2	
7	00000621	Spring Washer GB/T 93 6	2	
8	00000620	Flat Washer GB/T 97.1 6	2	
9	00002221	Contacto	1	
10	00000758	350A Fuse	5	
11	00001032	Screw GB/T 818 M4 × 16 - Z	10	
12	00000757	Seat, Fuse	5	
13	50000099	Copper Bar 3	3	
14	50000208	Copper Bar 2	1	
15	00000876	Screw GB/T 70 M6 × 16	4	
16	00000662	Base, Copper Bar	2	
17	50000209	Copper Bar 1	1	

Figure 1-7 Ground Control Box Assembly

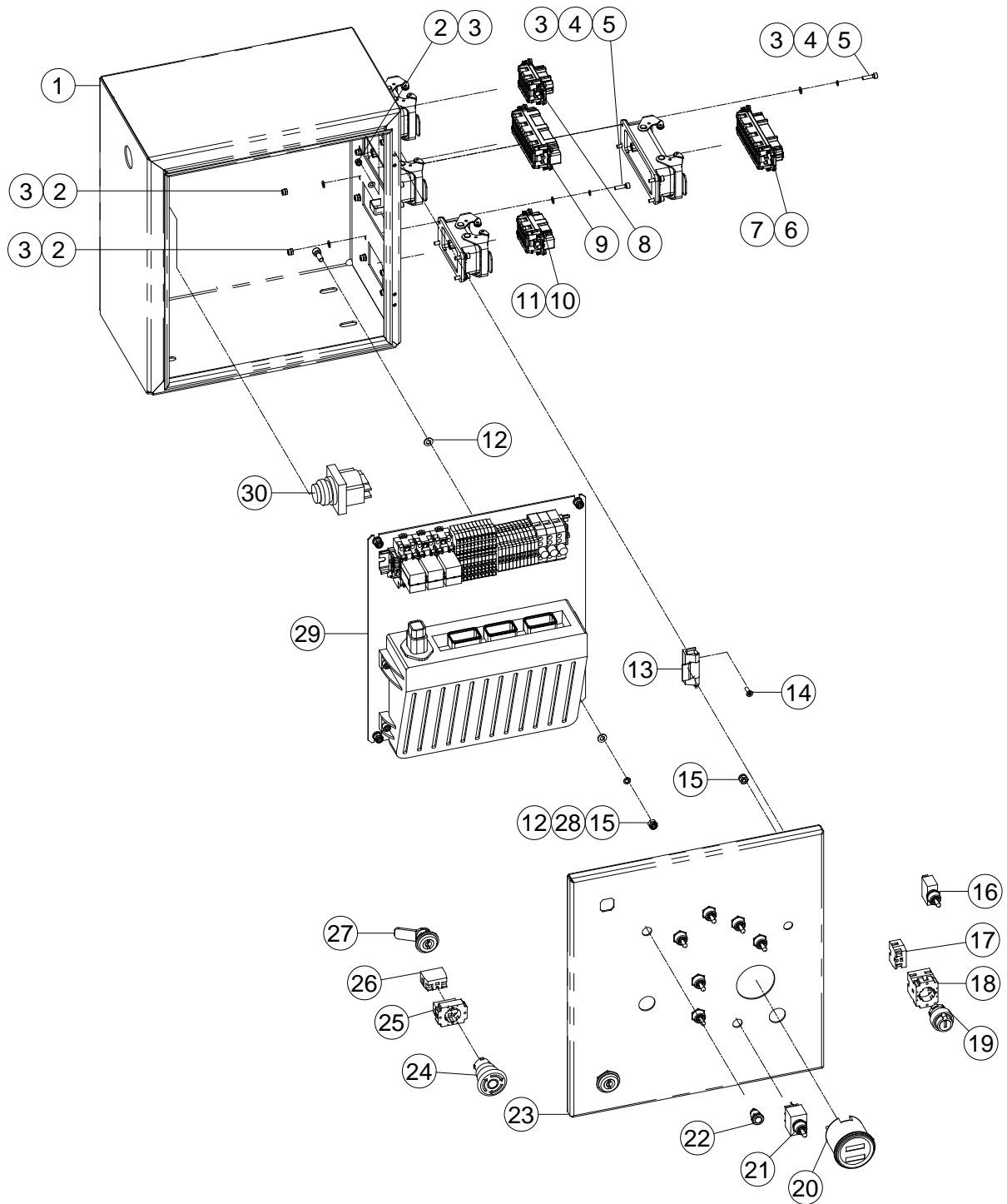


Figure 1-7 Ground Control Box Assembly

Item	Part Number	Description	Qty.	Remark
1	50000218	Box	1	
2	00001236	Nut GB/T 889.1 M4	20	
3	00000778	Flat Washer GB/T 97.1 4	36	
4	00000779	Spring Washer GB/T 93 4	16	
5	00000604	Screw GB/T 70 M4x16	16	
6	00000728	Female Insert	1	
7	00000732	Housing	2	
8	00000727	Female Insert	1	
9	00000730	Male Insert	1	
10	00000729	Male Insert	1	
11	00000731	Housing	2	
12	00000620	Flat Washer GB/T 97.1 6	8	
13	50000217	Rack, Gemel	2	
14	00001255	Screw GB/T 819 M4 x 14 - Z	4	
15	00000742	Nut GB/T 889.1 M6	6	
16	00000654	Switch, Toggle	2	
17	00002052	NO Contact	1	
18	00000755	Base with 1 NO Contact	1	
19	00000753	Keyswitch Head	1	
20	00000651	Curtis Display	1	
21	00000699	Switch, Toggle	6	
22	00003162	LED Indicator	1	
23	50000220	Electric Control Box Cover	1	
24	00000754	Red Mushroom Head	1	
25	00000752	Base with 1 NC Contact	1	
26	00001245	NC Contact	1	
27	00001296	Lock, Column	2	
28	00000621	Spring Washer GB/T 93 6	4	

Figure 1-7 Ground Control Box Assembly

Item	Part Number	Description	Qty.	Remark
29	50005163	Controller Assembly (<i>See Figure 1-8 for Breakdown</i>)	1	50005163
30	00000665	Alarm	1	00000665

Figure 1-8 Controller Assembly

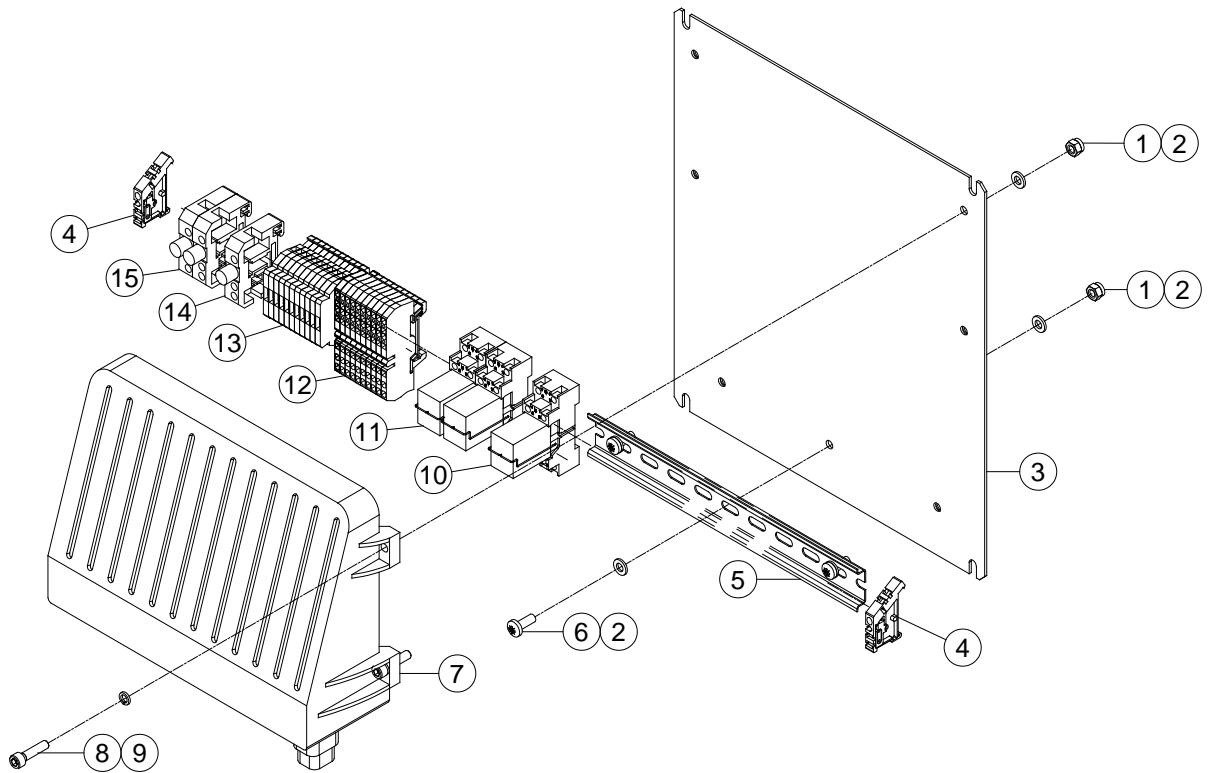


Figure 1-8 Controller Assembly

Item	Part Number	Description	Qty.	Remark
1	00000742	Nut GB/T 889.1 M6	7	
2	00000620	Flat Washer GB/T 97.1 6	10	
3	50000213	Plate, Bracket	1	
4	00000660	End, Fixation	2	
5	50000215	Bracket	1	
6	00001298	Screw GB/T 818 M6 x 16 - Z	3	
7	00000639	MC2M Controller	1	
8	00001034	Screw GB/T 70 M6 x 25	4	
9	00000621	Spring Washer GB/T 93 6	4	
10	00000647	Relay(12V)	1	
11	00000648	Relay(24V)	2	
12	00005697	End, Straight	11	
13	00002235	End, Diode	11	
14	00002591	End, Fuse(5A)	1	
15	00000661	End, Fuse(10A)	2	

Figure 1-9 Motor/Pump Assembly with Bracket

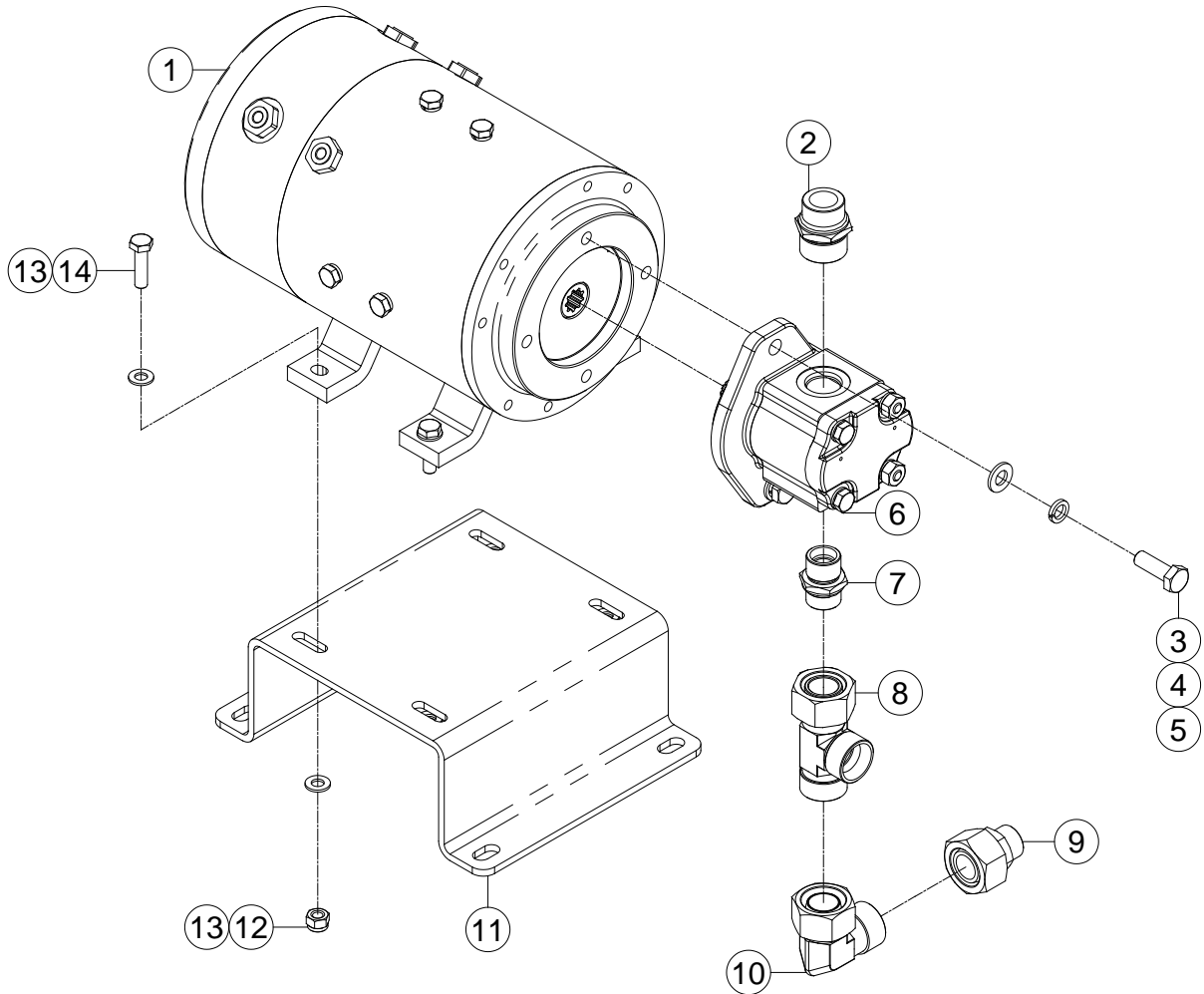


Figure 1-9 Motor/Pump Assembly with Bracket

Item	Part Number	Description	Qty.	Remark
1	00001304	Motor Assembly	1	
2	00001780	Fitting, Straight	1	
3	00000683	Bolt GB/T 5783 M10 × 30	2	
4	00000679	Spring Washer GB/T 93 10	2	
5	00000615	Flat Washer GB/T 97.1 10	2	
6	00001297	Pump	1	
7	00001776	Fitting, Straight	1	
8	00001241	Fitting, Tee	1	
9	00005691	Fitting, Straight	1	
10	00001836	Fitting, 90°	1	
11	50000205	Bracket	1	
12	00000994	Nut GB/T 889.1 M8	4	
13	00000608	Flat Washer GB/T 97.1 8	8	
14	00000995	Bolt GB/T 5783 M8 × 30	4	

Figure 1-10 Hydraulic Module Assembly, Drawing 1 Of 2

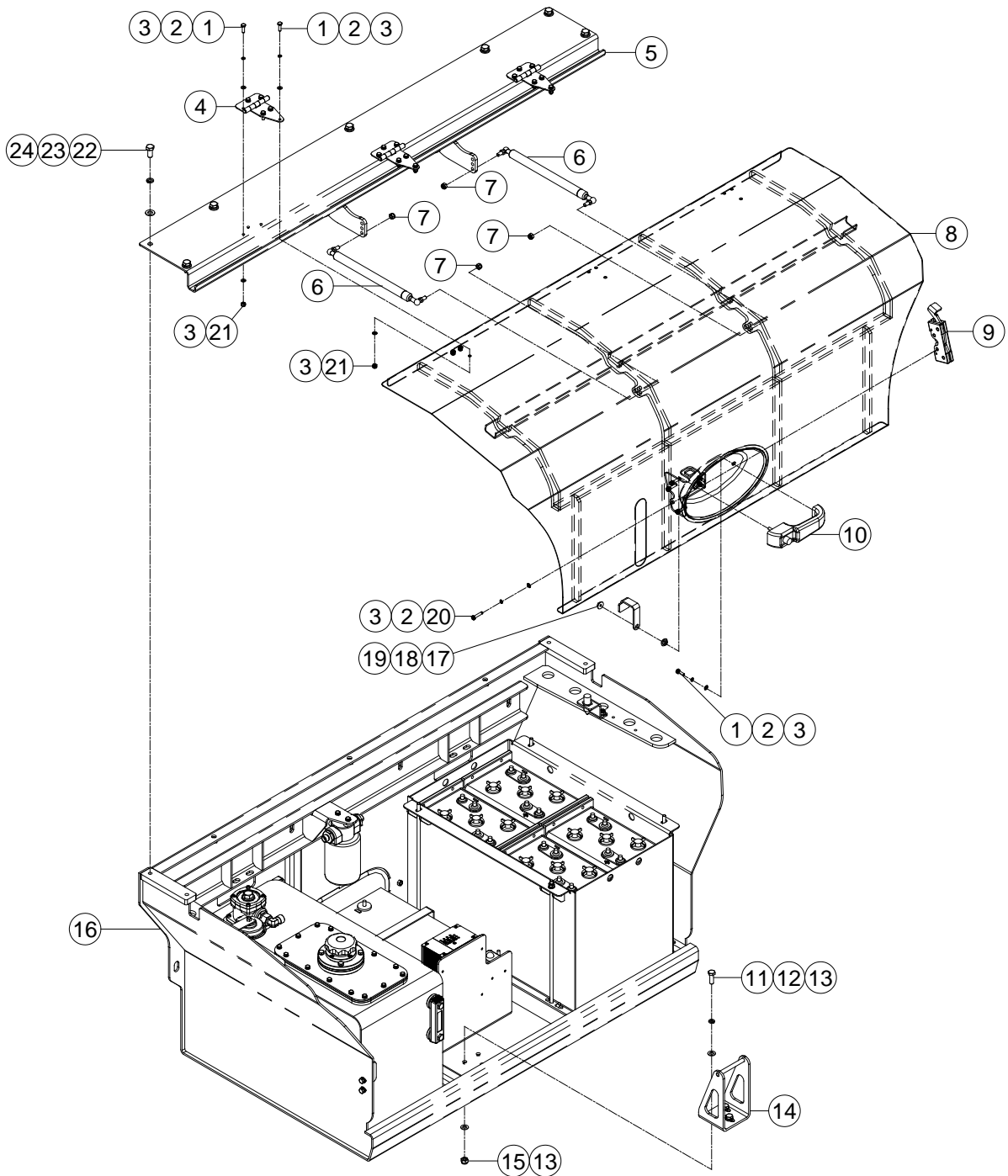


Figure 1-10 Hydraulic Module Assembly, Drawing 1 Of 2

Item	Part Number	Description	Qty.	Remark
1	00000743	Bolt GB/T 5783 M6 × 20	21	
2	00000621	Spring Washer GB/T 93 6	27	
3	00000620	Flat Washer GB/T 97.1 6	45	
4	50000492	Hinge	3	
5	50000154	Top Cover, Hydraulic Module	1	
6	50000493	Spring, Gas	2	
7	00000994	Nut GB/T 889.1 M8	12	
8	50000162	Door, Hydraulic Module	1	
9	10000480	Latch	1	
10	50000524	Doorknob	1	
11	00000683	Bolt GB/T 5783 M10 × 30	9	
12	00000679	Spring Washer GB/T 93 10	9	
13	00000615	Flat Washer GB/T 97.1 10	18	
14	50000489	Seat, Lock	1	
15	00000682	Nut GB/T 889.1 M10	9	
16	50000156	Hydraulic Module	1	
17	50000479	Nut	1	
18	50000510	Bracket	1	
19	50000478	Pin	1	
20	00000775	Bolt GB/T 5783 M6 × 30	4	
21	00000742	Nut GB/T 889.1 M6	18	
22	00000816	Bolt GB/T 5783 M12 × 25	7	
23	00000815	Spring Washer GB/T 93 12	7	
24	00000814	Flat Washer GB/T 97.1 12	7	

Figure 1-11 Hydraulic Module Assembly, Drawing 2 Of 2

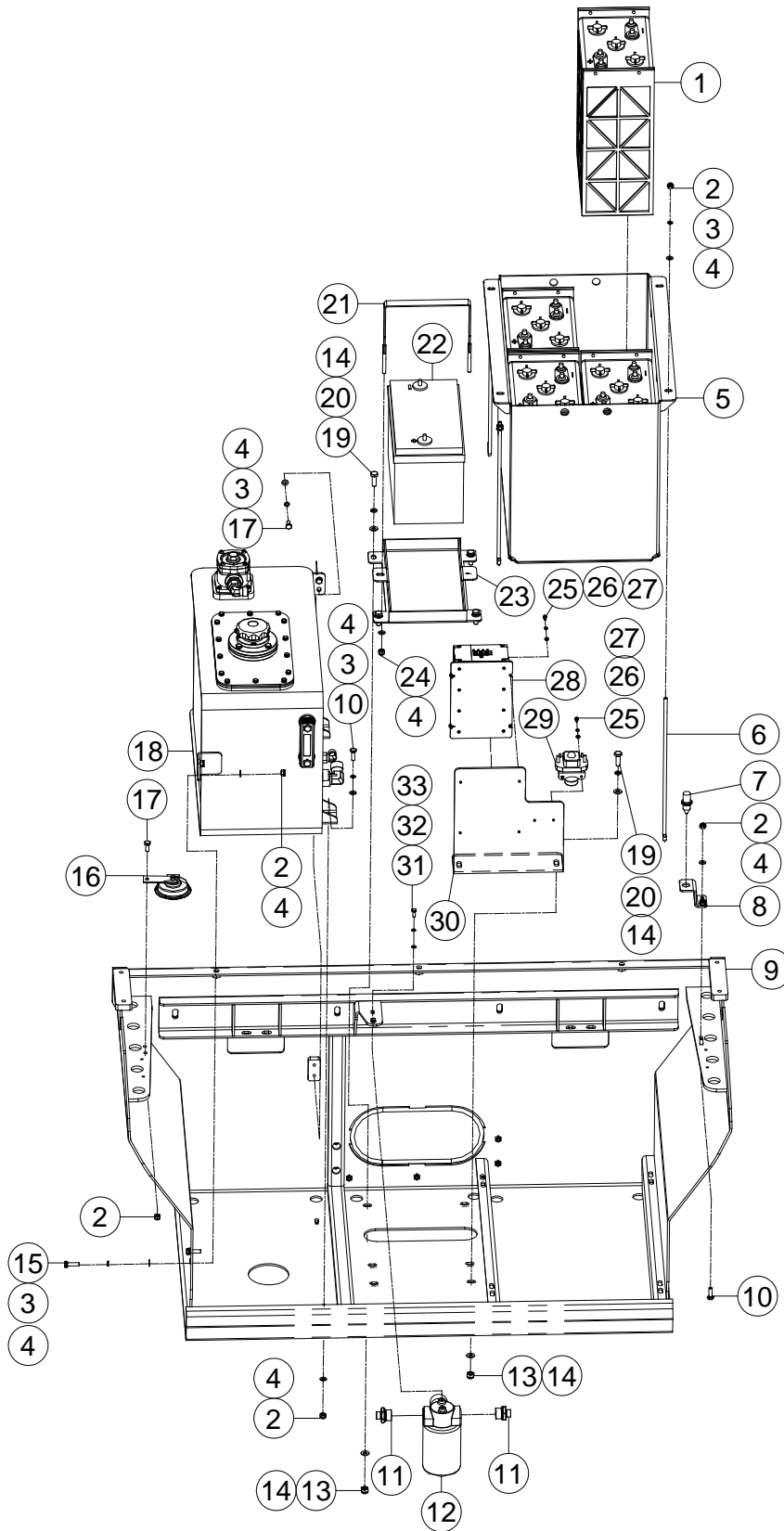


Figure 1-11 Hydraulic Module Assembly, Drawing 2 Of 2

Item	Part Number	Description	Qty.	Remark
1	00000637	Battery	4	
2	00000994	Nut GB/T 889.1 M8	11	
3	00000609	Spring Washer GB/T 93 8	10	
4	00000608	Flat Washer GB/T 97.1 8	18	
5	50000484	Box, Battery	1	
6	50000488	Rod, Hold-Down	4	
7	00000751	Switch, Proximity	1	
8	50000516	Bracket, Switch	1	
9	50000156	Hydraulic Module	1	
10	00000993	Bolt GB/T 5783 M8 x 25	4	
11	00001505	Fitting, Straight	2	
12	00000535	Filter Assembly	1	
--	00003061	Filter Element	1	
13	00000682	Nut GB/T 889.1 M10	6	
14	00000615	Flat Washer GB/T 97.1 10	12	
15	00000995	Bolt GB/T 5783 M8 x 30	2	
16	00000666	Horn	1	
17	00000875	Bolt GB/T 5783 M8 x 20	3	
18		Hydraulic Tank Assembly (<i>See Figure 1-12 for Breakdown</i>)	1	
19	00000683	Bolt GB/T 5783 M10 x 30	6	
20	00000679	Spring Washer GB/T 93 10	6	
21	10004590	Clamp, Accumulator	1	
22	00004485	Battery	1	
23	50005157	Plate, Bracket	1	
24	00001163	Nut GB/T 6182 M8	2	
25	00001030	Screw GB/T 70 M5 x 10	6	
26	00000606	Spring Washer GB/T 93 5	6	
27	00000605	Flat Washer GB/T 97.1 5	6	

**Figure 1-11 Hydraulic Module Assembly, Drawing 2 Of 2
(Continued)**

Item	Part Number	Description	Qty.	Remark
28	00006067	Charger	1	
29	00002205	Contactora	1	
30	50005160	Plate, Bracket	1	
31	00000818	Bolt GB/T 5783 M6 × 16	2	
32	00000621	Spring Washer GB/T 93 6	2	
33	00000620	Flat Washer GB/T 97.1 6	2	

Figure 1-12 Hydraulic Tank Assembly

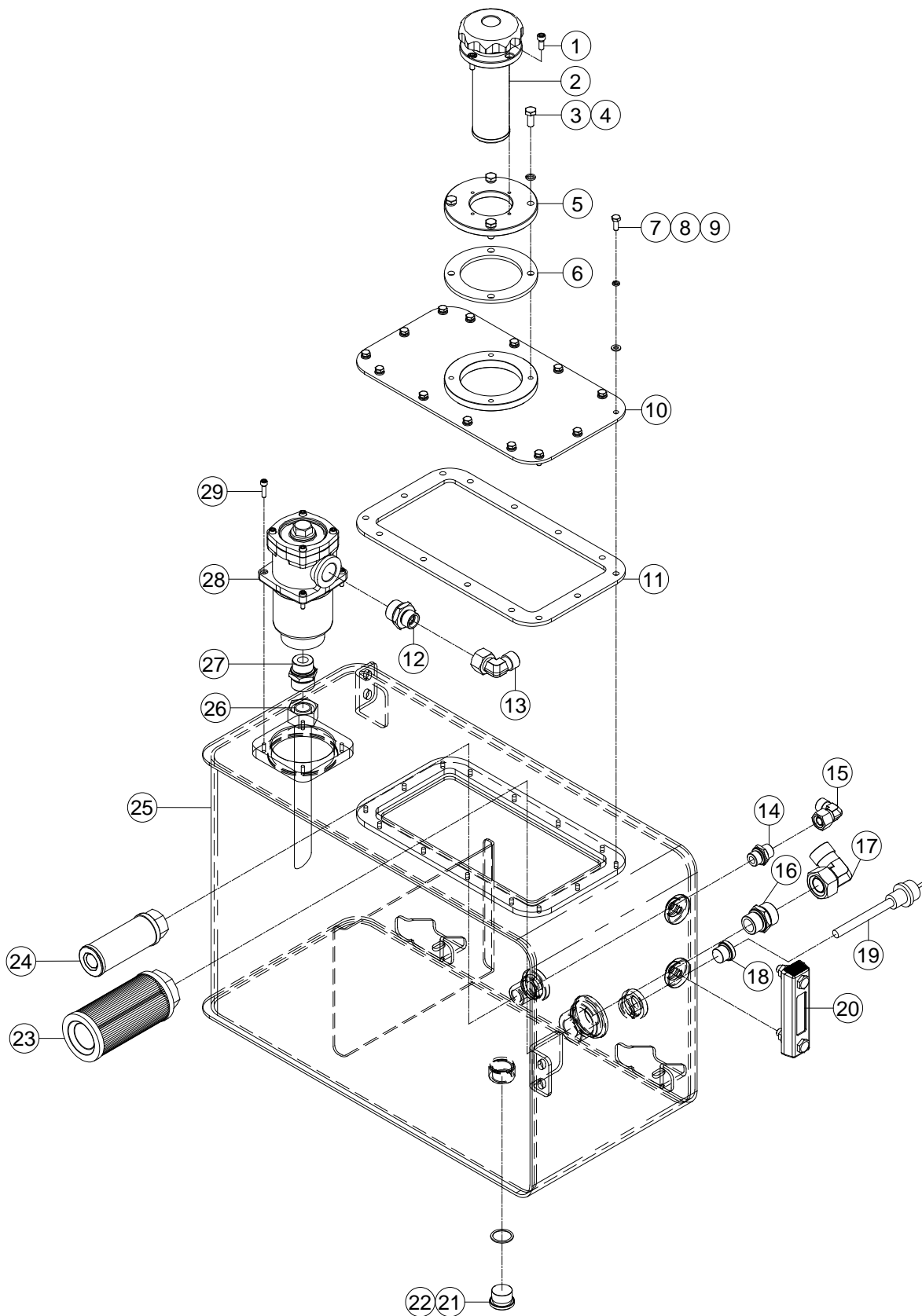


Figure 1-12 Hydraulic Tank Assembly

Item	Part Number	Description	Qty.	Remark
1	00000876	Screw GB/T 70 M6 x 16	4	
2	00000520	Breather/Fill Cap	1	
--	00003657	Cap	1	
--	00003658	Strainer	1	
--	00003659	Seal Kit for 00000520 Filter	1	
3	00000875	Bolt GB/T 5783 M8 x 20	4	
4	00000609	Spring Washer GB/T 93 8	4	
5	50000021	Plate	1	
6	50003031	Gasket	1	
7	00000818	Bolt GB/T 5783 M6 x 16	14	
8	00000621	Spring Washer GB/T 93 6	14	
9	00000620	Flat Washer GB/T 97.1 6	14	
10	50000181	Cover	1	
11	50000167	Gasket	1	
12	00002945	Fitting, Straight	1	
13	00001835	Fitting, 90°	1	
14	00001262	Fitting, Straight	1	
15	00001834	Fitting, 90°	1	
16	00001269	Fitting, Straight	1	
17	00001836	Fitting, 90°	1	
18	00001076	Plug VSTI20x1.5ED	1	
19	00005515	Sensor, Seat	1	Option
20	00001873	Gauge, Sight	1	
21	50000197	G3/4 Plug, Magnetic	1	
22	50000523	Washer	1	
23	00000519	Strainer, Suction	1	
24	00000518	Strainer, Suction	1	
25	50000168	Hydraulic Tank Weldment	1	
26	50005170	Hose, Return Oil	1	

Figure 1-12 Hydraulic Tank Assembly (Continued)

Item	Part Number	Description	Qty.	Remark
27	00002070	Fitting, Straight	1	
28	00000516	Filter, Return Oil	1	
--	00003660	Strainer	1	
--	00003661	Seal Kit for 00000516 Filter	1	
29	00000817	Screw GB/T 70 M5 x 20	4	

Figure 1-13 Chassis Components, Drawing 1 Of 2

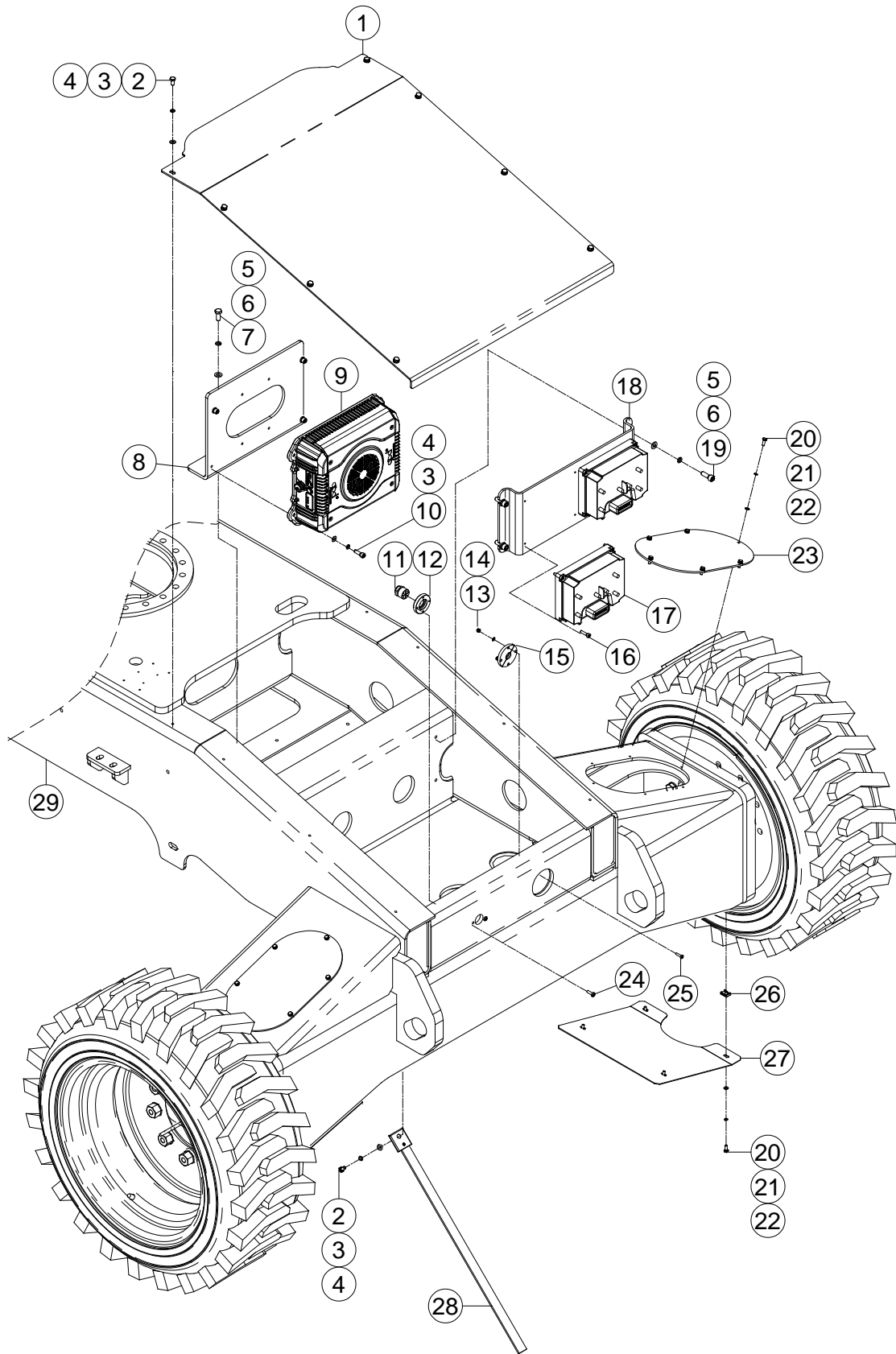


Figure 1-13 Chassis Components, Drawing 1 Of 2

Item	Part Number	Description	Qty.	Remark
1	50000114	Cover	1	
2	00001063	Bolt GB/T 5783 M8 × 16	9	
3	00000609	Spring Washer GB/T 93 8	13	
4	00000608	Flat Washer GB/T 97.1 8	13	
5	00000615	Flat Washer GB/T 97.1 10	5	
6	00000679	Spring Washer GB/T 93 10	5	
7	00000678	Bolt GB/T 5783 M10 × 25	1	
8	50005162	Bracket, Charger	1	
9	00005371	Charger	1	
10	00002555	Screw GB/T 70 M8 × 25	4	
11	00000652	Charge Display	1	
12	50000267	Bracket, Charge Display	1	
13	00001169	Nut GB/T 889.1 M5	4	
14	00000605	Flat Washer GB/T 97.1 5	4	
15	10000537	Half Round Batten	2	
16	00001034	Screw GB/T 70 M6 × 25	8	
17	00000641	Motor Controller	2	
18	50000263	Bracket	1	
19	00001059	Screw GB/T 70 M10 × 30	4	
20	00000818	Bolt GB/T 5783 M6 × 16	20	
21	00000621	Spring Washer GB/T 93 6	20	
22	00000620	Flat Washer GB/T 97.1 6	20	
23	50000116	Cover	2	
24	00001062	Screw GB/T 818 M6 × 20 - Z	2	
25	00001168	Screw GB/T 818 M5 × 20 - Z	4	
26	50000112	Nut, Reed	8	
27	50000115	Cover	2	
28	00000669	Ground Strap	1	
29	50000118	Chassis	1	

Figure 1-14 Chassis Components, Drawing 2 Of 2

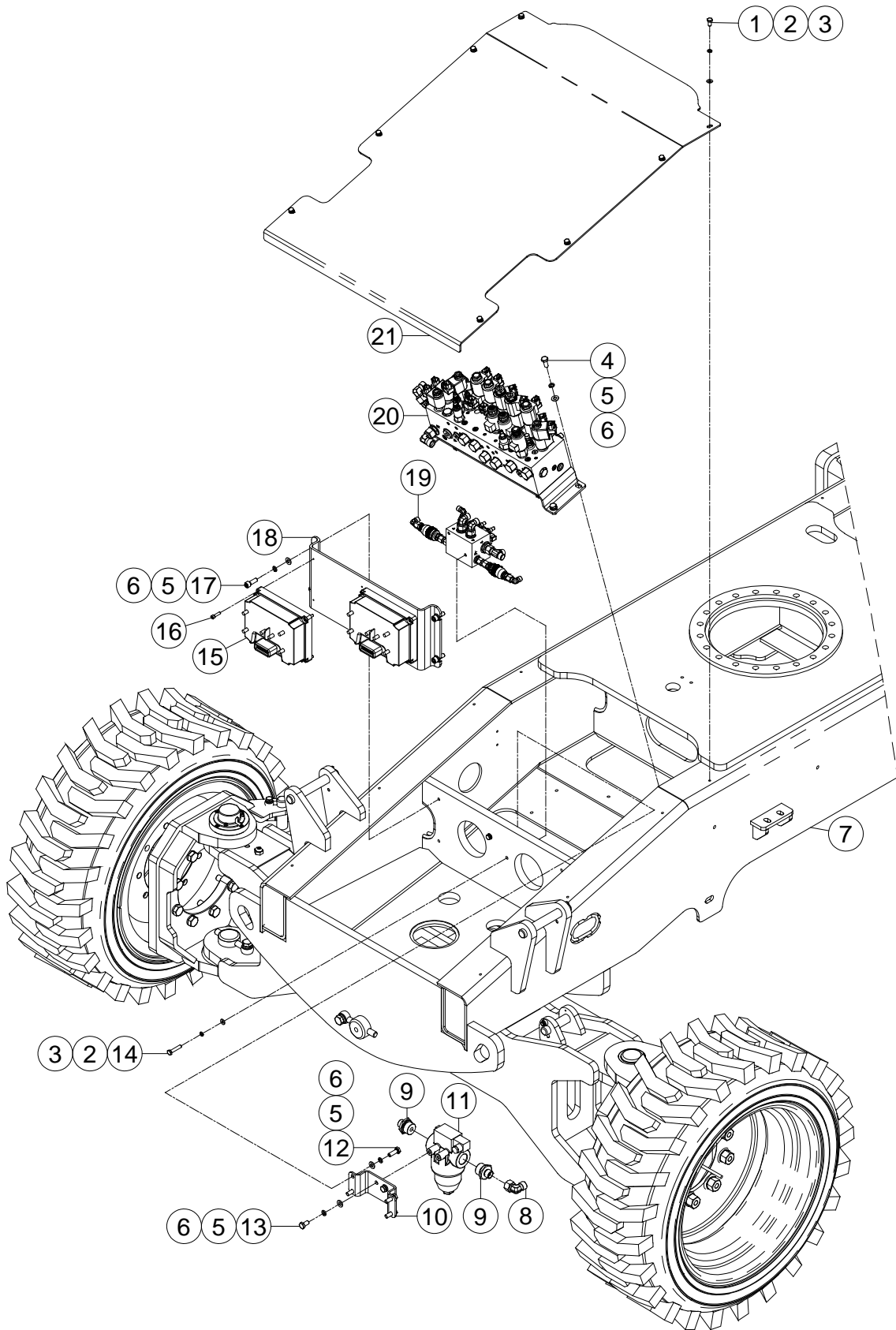


Figure 1-14 Chassis Components, Drawing 2 Of 2

Item	Part Number	Description	Qty.	Remark
1	00001063	Bolt GB/T 5783 M8 x 16	8	
2	00000609	Spring Washer GB/T 93 8	10	
3	00000608	Flat Washer GB/T 97.1 8	10	
4	00000678	Bolt GB/T 5783 M10 x 25	4	
5	00000679	Spring Washer GB/T 93 10	14	
6	00000615	Flat Washer GB/T 97.1 10	14	
7	50000118	Chassis	1	
8	00001835	Fitting, 90°	1	
9	00002069	Fitting, Straight	2	
10	50002289	Bracket	1	
11	00002744	Filter	1	
12	00000683	Bolt GB/T 5783 M10 x 30	4	
13	00000674	Bolt GB/T 5783 M10 x 20	2	
14	00002604	Bolt GB/T 5783 M8 x 40	2	
15	00000641	Motor Controller	2	
16	00001034	Screw GB/T 70 M6 x 25	8	
17	00001059	Screw GB/T 70 M10 x 30	4	
18	50000263	Bracket	1	
19		Oscillate Valve with Fittings (<i>See Figure 1-17 for Breakdown</i>)	1	
20		Functional Valve Assembly With Fittings(<i>See Figure 1-15 for Breakdown</i>)	1	
21	50000113	Cover	1	

Figure 1-15 Functional Valve Assembly With Fittings

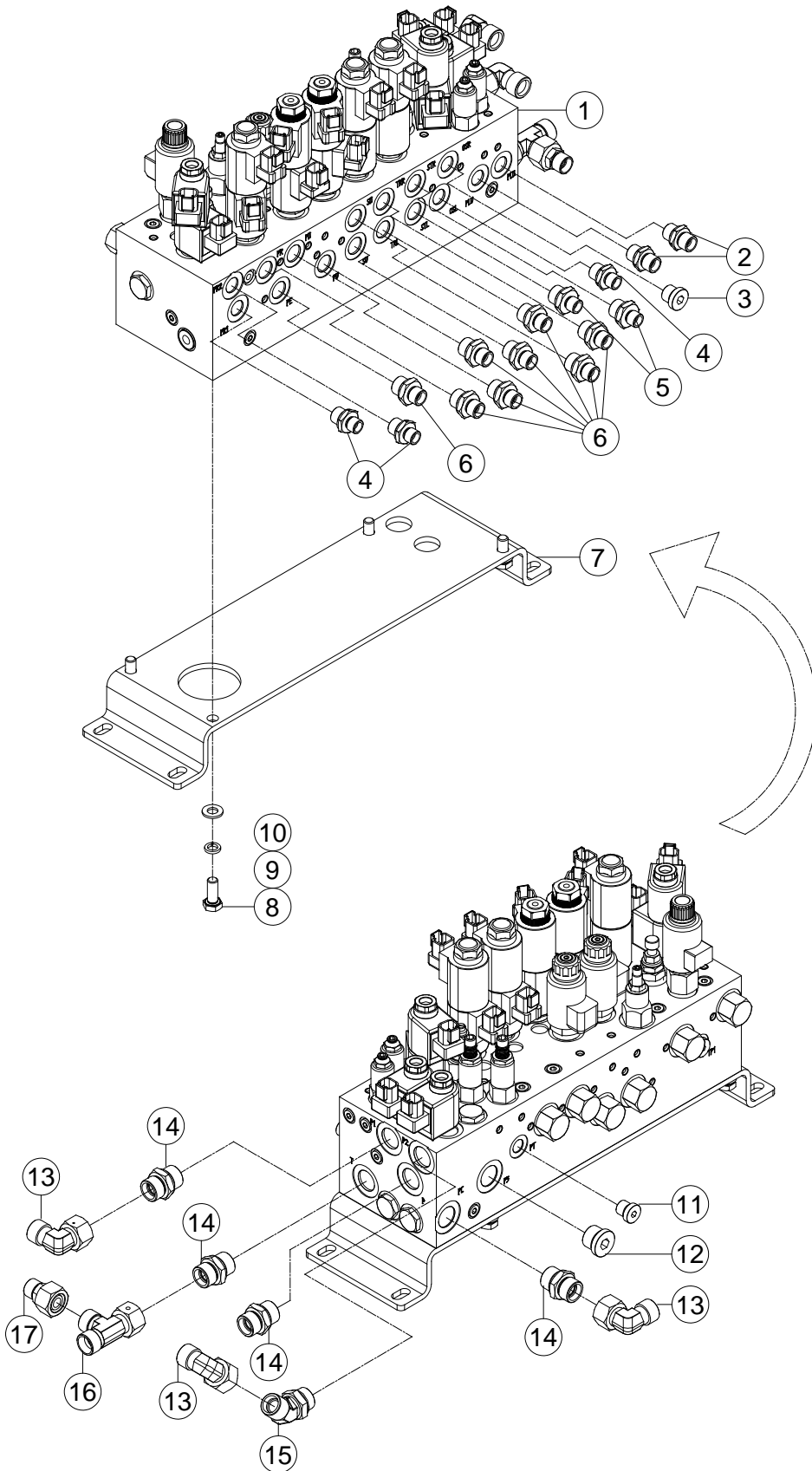


Figure 1-15 Functional Valve Assembly With Fittings

Item	Part Number	Description	Qty.	Remark
1	00001073	Plug VSTI14x1.5ED	2	
2	00001077	Plug VSTI22x1.5ED	1	
3	00001835	Fitting, 90°	3	
4	00001266	Fitting, Straight	4	
5	00002921	Fitting, Straight	3	
6	00001292	Fitting, Straight	8	
7	00005693	Fitting, Straight	2	
8	00001074	Plug VSTI16x1.5ED	1	
9	00003983	Fitting, 45°	1	
10	00001240	Fitting, Tee	1	
11	00003843	Fitting, Straight	1	
12	00001291	Fitting, Straight	2	
13	00000678	Bolt GB/T 5783 M10 x 25	4	
14	00000679	Spring Washer GB/T 93 10	4	
15	00000615	Flat Washer GB/T 97.1 10	4	
16	50005164	Plate, Bracket	1	
17	00005466	Function Valve Assembly (<i>See Figure 1-16 for Breakdown</i>)	1	

Figure 1-16 Functional Valve Assembly

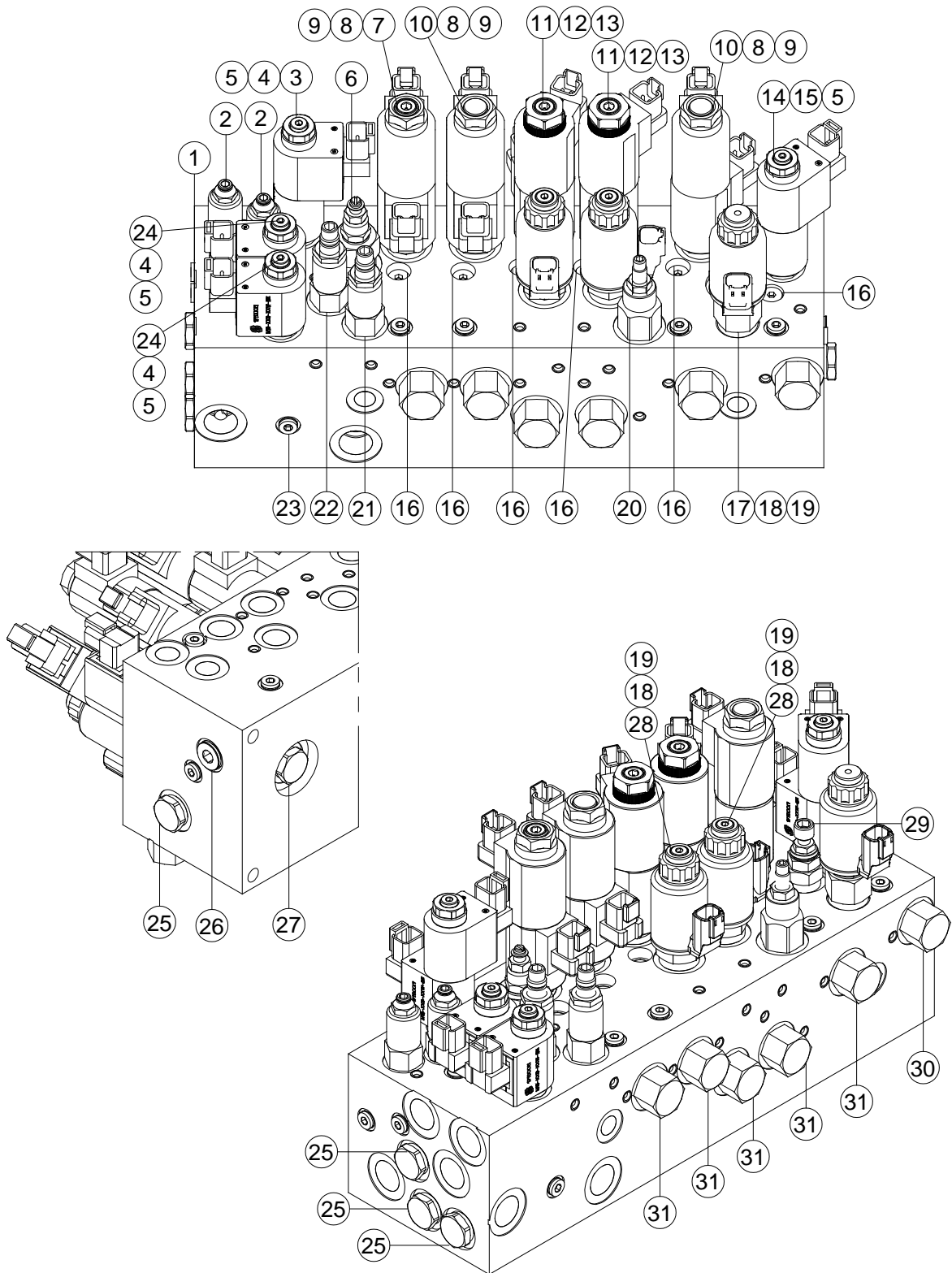


Figure 1-16 Functional Valve Assembly

Item	Part Number	Description	Qty.	Remark
1	00006094	Body	1	
2	00003682	Cartridge, Valve (Counterbalance)	2	
3	00003678	Cartridge without Coil	1	
4	00006100	Coil	4	
5	00003352	Nut -08	4	
6	00006095	Pressure Reducing Valve	1	
7	00006089	Proportional Valve	1	
8	00005277	Coil	6	
9	00004319	Nut SV10	3	
10	00004307	Proportional Valve	2	
11	00003679	Cartridge without Coil	2	
12	00006101	Coil	4	
13	00003353	Nut -10	2	
14	00006088	Proportional Valve	1	
15	00003848	Coil	2	
16	00003291	Shuttle Valve	6	
17	00006091	Pressure Relieving Valve	1	
18	00006102	Coil	3	
19	00004318	Nut M19	3	
20	00003681	Flow Control Valve	1	
21	00006099	Flow Control Valve	1	
22	00006098	Flow Control Valve	1	
23	00004342	Plug SAE4	14	
24	00006093	Cartridge without Coil	2	
25	00003589	Check Valve	4	
26	00004344	Plug SAE8	1	
27	00006092	Check Valve	1	
28	00006090	Proportional Valve	2	
29	00003601	Relief Valve	1	

Figure 1-16 Functional Valve Assembly (Continued)

Item	Part Number	Description	Qty.	Remark
30	00006097	Logic Element	1	
31	00006096	Logic Element	5	

Figure 1-17 Oscillate Valve With Fittings

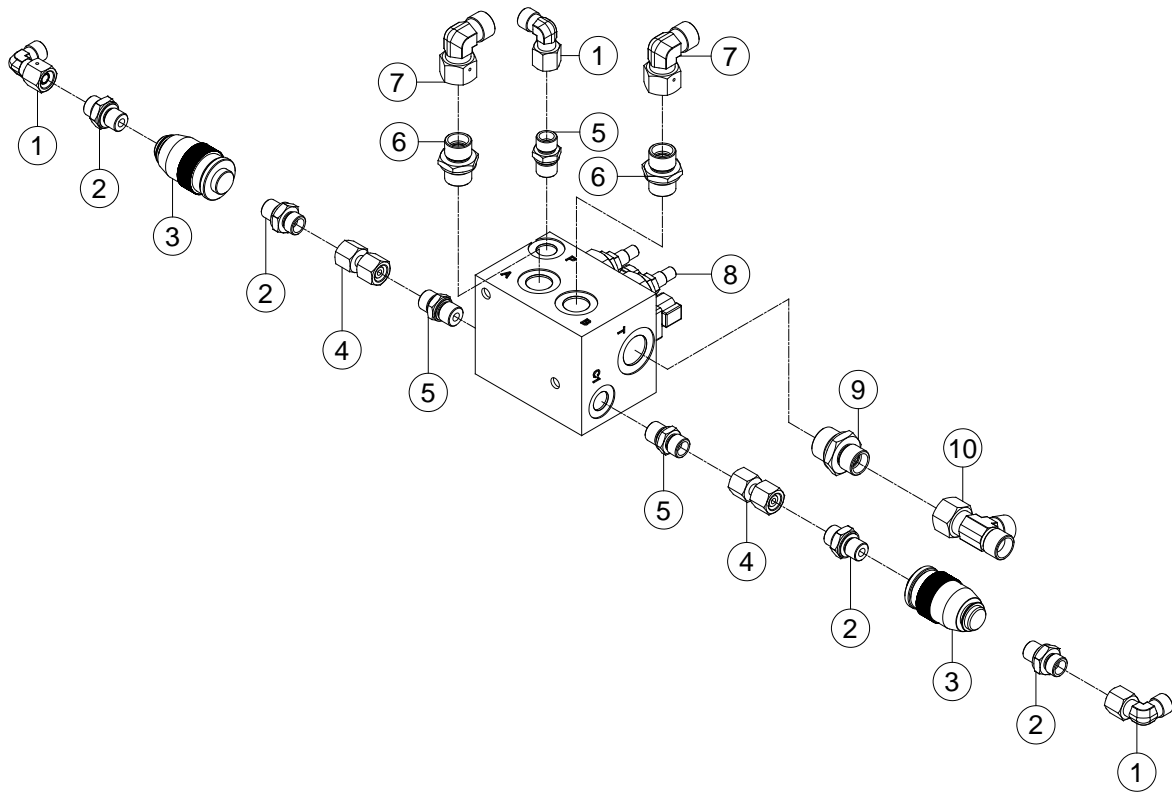


Figure 1-17 Oscillate Valve With Fittings

Item	Part Number	Description	Qty.	Remark
1	00001832	Fitting, 90°	3	
2	00001316	Fitting, Straight	4	
3	00003031	Flow Control Valve Assembly	2	
4	00005208	Fitting, Straight	2	
5	00001282	Fitting, Straight	3	
6	00001262	Fitting, Straight	2	
7	00001834	Fitting, 90°	2	
8	00003030	Oscillate Valve (<i>See Figure 1-18 for Breakdown</i>)	1	
9	00001263	Fitting, Straight	1	
10	00001239	Fitting, Tee	1	

Figure 1-18 Oscillate Valve

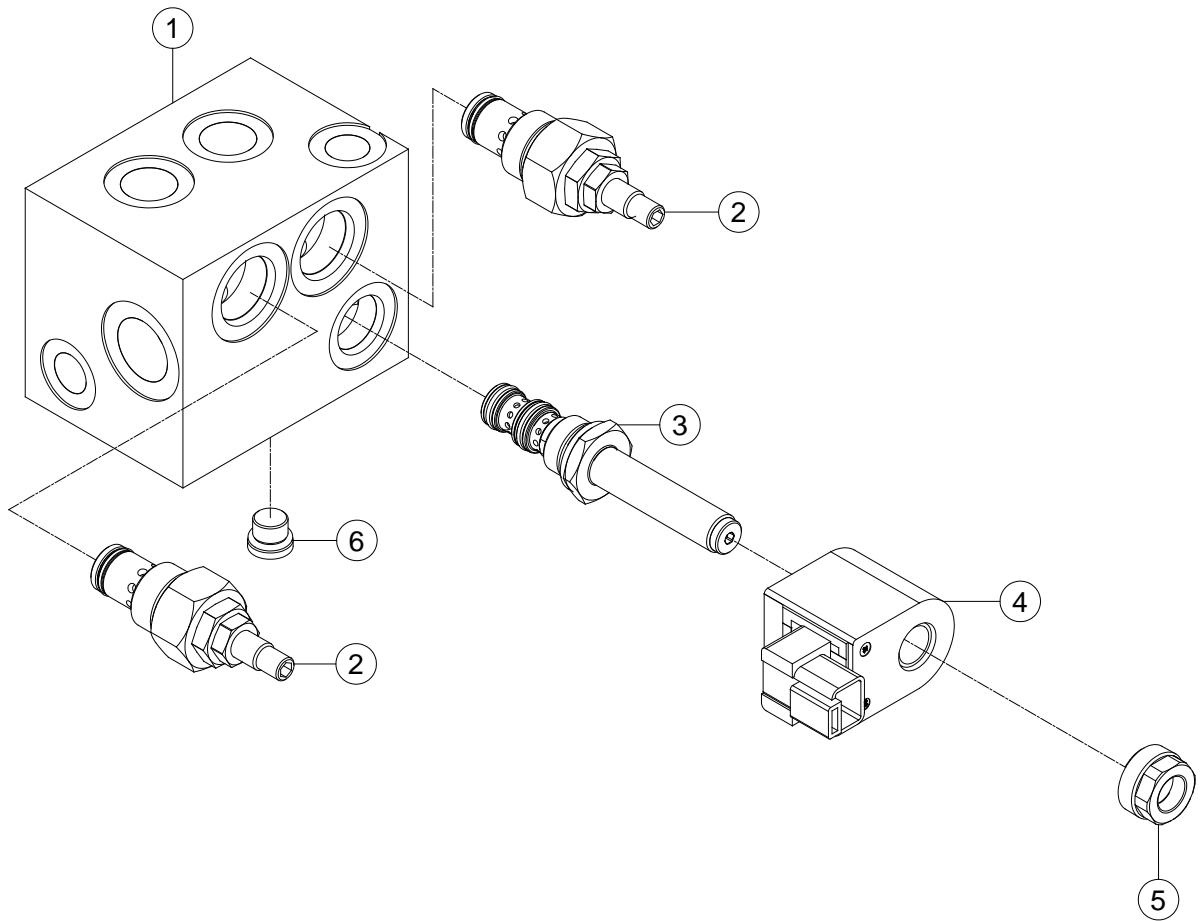


Figure 1-18 Oscillate Valve

Item	Part Number	Description	Qty.	Remark
1	00003687	Body	1	
2	00003688	Cartridge, Throttle Valve	2	
3	00003301	Cartridge without Coil	1	
4	00003848	Coil	1	
5	00003352	Nut	1	
6	00004342	Plug SAE4	1	

Turntable

Section 2

Figure 2-1 Turntable and Chassis Installations

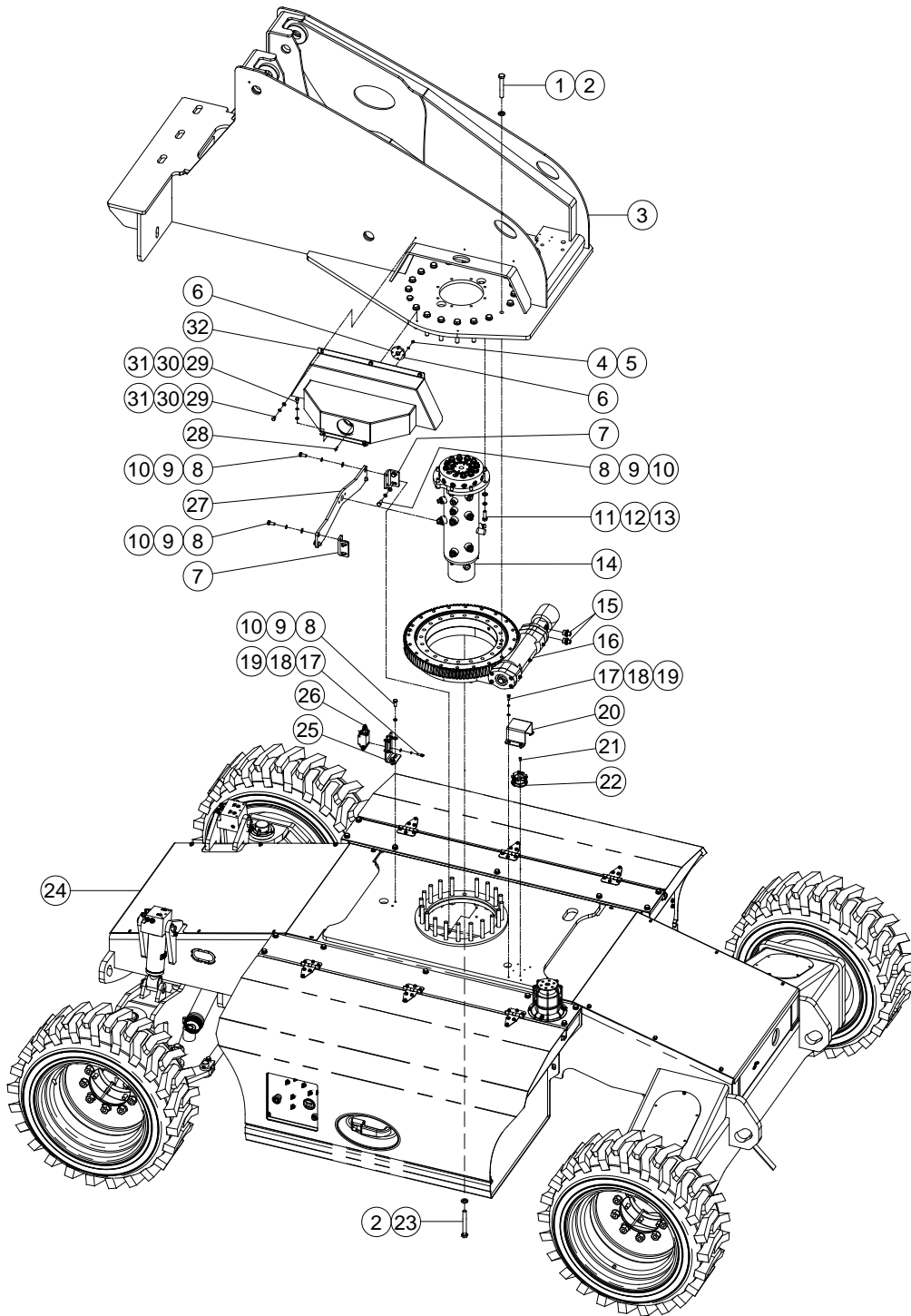


Figure 2-1 Turntable and Chassis Installations

Item	Part Number	Description	Qty.	Remark
1	00001110	Bolt GB/T 5782 M16 × 110	20	
2	00001102	Flat Washer 16 JB/ZQ 4080-2006	40	
3	50000268	Turntable	1	
4	00001169	Nut GB/T 889.1 M5	4	
5	00000605	Flat Washer GB/T 97.1 5	4	
6	10000537	Half Round Batten	2	
7	50000475	Bracket	2	
8	00000678	Bolt GB/T 5783 M10 × 25	10	
9	00000679	Spring Washer GB/T 93 10	10	
10	00000615	Flat Washer GB/T 97.1 10	10	
11	00001055	Bolt GB/T 5783 M12 × 40	8	
12	00000815	Spring Washer GB/T 93 12	8	
13	00000814	Flat Washer GB/T 97.1 12	8	
14		Rotary Coupling Assembly with Fittings (See Figure 2-3 for Breakdown)	1	
15	00002946	Fitting, Straight	2	
16	00000523	Slew Drive Assembly	1	
17	00000774	Screw GB/T 70 M6 × 20	8	
18	00000621	Spring Washer GB/T 93 6	8	
19	00000620	Flat Washer GB/T 97.1 6	8	
20	50000103	Shield, Sensor	1	
21	00001164	Screw GB/T 818 M5 × 12 - Z	3	
22	00000642	Sensor, Tilt	1	
23	00001109	Bolt GB/T 5782 M16 × 130	20	
24		Chassis (See Figure 1-1~1-18 for Breakdown)	1	
25	50000474	Bracket, Switch	1	
26	00000750	Switch, Limit	1	
27	50000472	Bracket	1	
28	00001168	Screw GB/T 818 M5 × 20 - Z	4	

Figure 2-1 Turntable and Chassis Installations (Continued)

Item	Part Number	Description	Qty.	Remark
29	00001063	Bolt GB/T 5783 M8 × 16	5	
30	00000609	Spring Washer GB/T 93 8	5	
31	00000608	Flat Washer GB/T 97.1 8	5	
32	50000108	Cover	1	

Figure 2-2 Counterweight and Turntable Installations

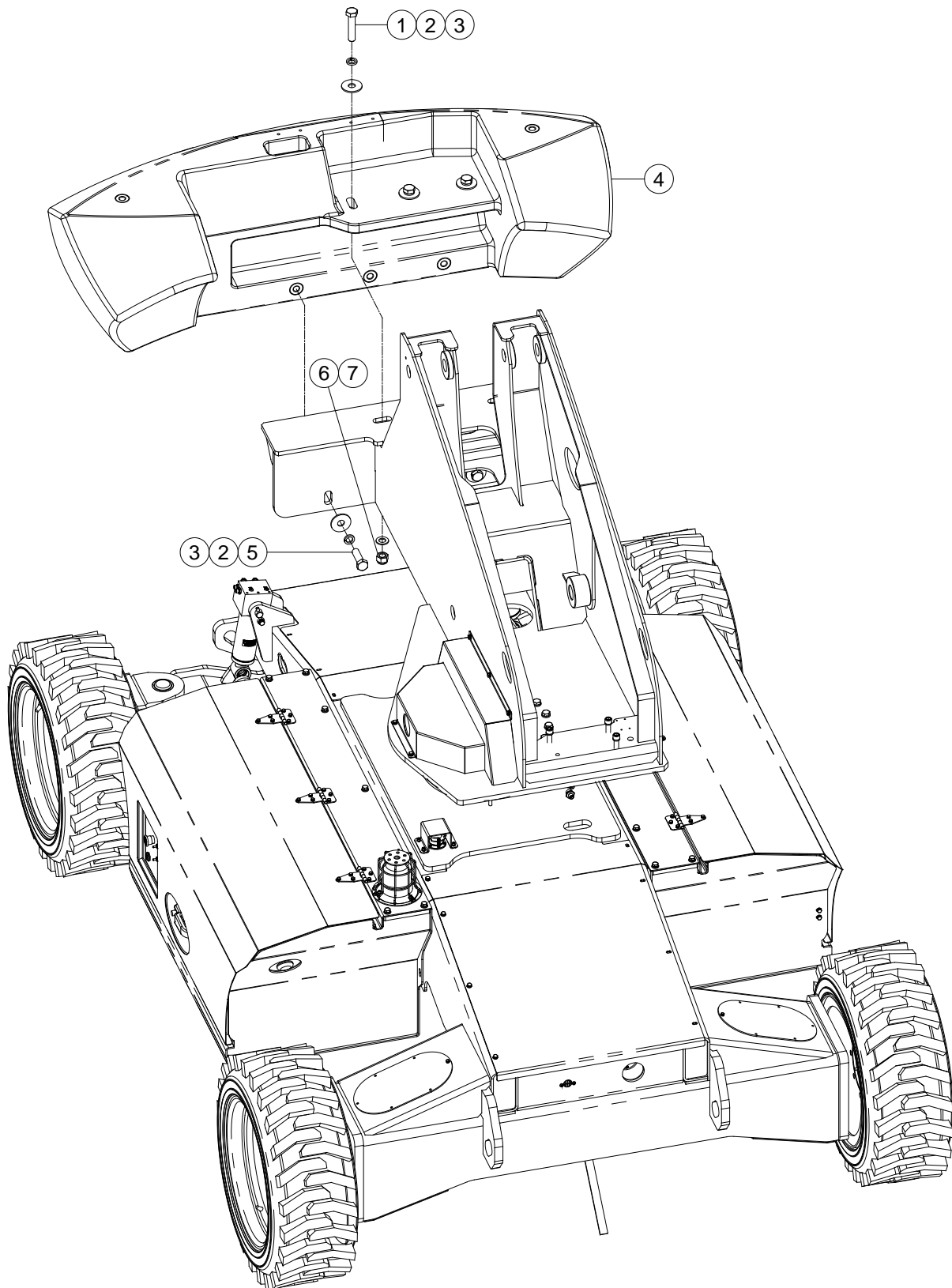


Figure 2-2 Counterweight and Turntable Installations

Item	Part Number	Description	Qty.	Remark
1	00001158	Bolt GB/T 5783 M24 × 110	3	
2	00001153	Spring Washer GB/T 93 24	6	
3	00001152	Flat washer GB/T 96.1 24	6	
4	50000104	Counterweight	1	
5	00001150	Bolt GB/T 5783 M24 × 80	3	
6	00001160	Nut GB/T 889.1 M24	3	
7	00001159	Flat washer GB/T 97.1 24	3	

Figure 2-3 Rotary Coupling Assembly with Fittings

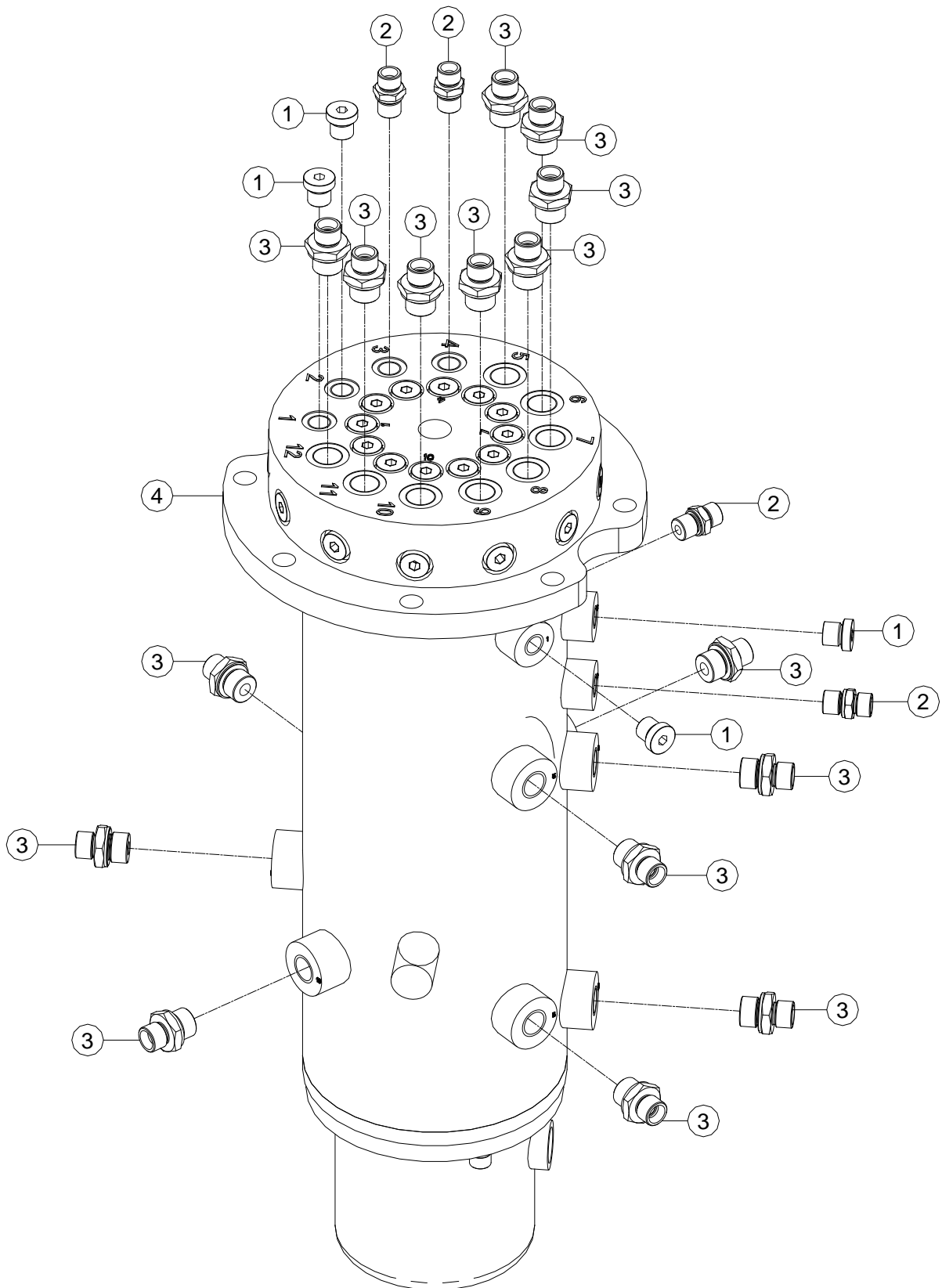


Figure 2-3 Rotary Coupling Assembly with Fittings

Item	Part Number	Description	Qty.	Remark
1	00001073	Plug VST114x1.5ED	4	
2	00001282	Fitting, Straight	4	
3	00001292	Fitting, Straight	16	
4	00001047	Rotary Coupling and Collector Ring Assembly	1	

Boom

Section 3

Figure 3-1 Boom and Turntable Installations

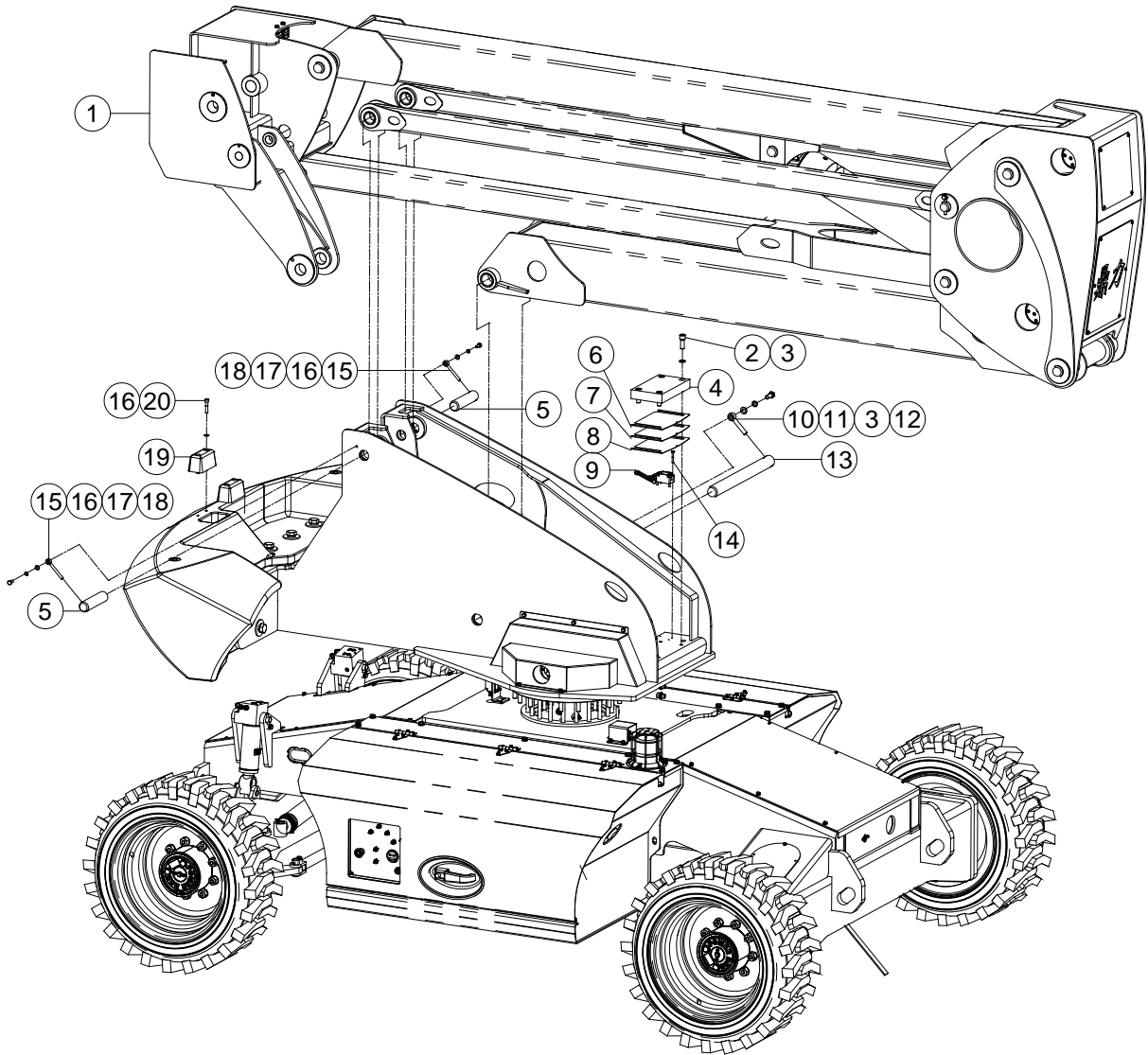


Figure 3-1 Boom and Turntable Installations

Item	Part Number	Description	Qty.	Remark
1		Boom Assembly (See Figure 3-2 for Breakdown)	1	
2	00002460	Screw GB/T 70 M16 x 45	4	
3	00001035	Spring Washer GB/T 93 16	5	
4	50000102	Boom Pad	1	
5	00000112	895-45175 Pin, Pivot	2	
6	50002735	Shim	1	
7	50002734	Shim	1	
8	50002733	Shim	1	
9	00000749	Switch, Limit	1	
10	00000222	8902-16095 Pin, Lock	1	
11	00000997	Flat Washer GB/T 97.1 16	1	
12	00001161	Bolt GB/T 5783 M16 x 40	1	
13	00005739	895-50548 Pin, Pivot	1	
14	00001165	Screw GB/T 70 M6 x 45	4	
15	00002481	8902-10100 Pin, Lock	2	
16	00000615	Flat Washer GB/T 97.1 10	6	
17	00000679	Spring Washer GB/T 93 10	2	
18	00000678	Bolt GB/T 5783 M10 x 25	2	
19	10000041	Boom Pad	2	
20	00001251	Screw GB/T 70 M10 x 50	4	

Figure 3-2 Boom Assembly

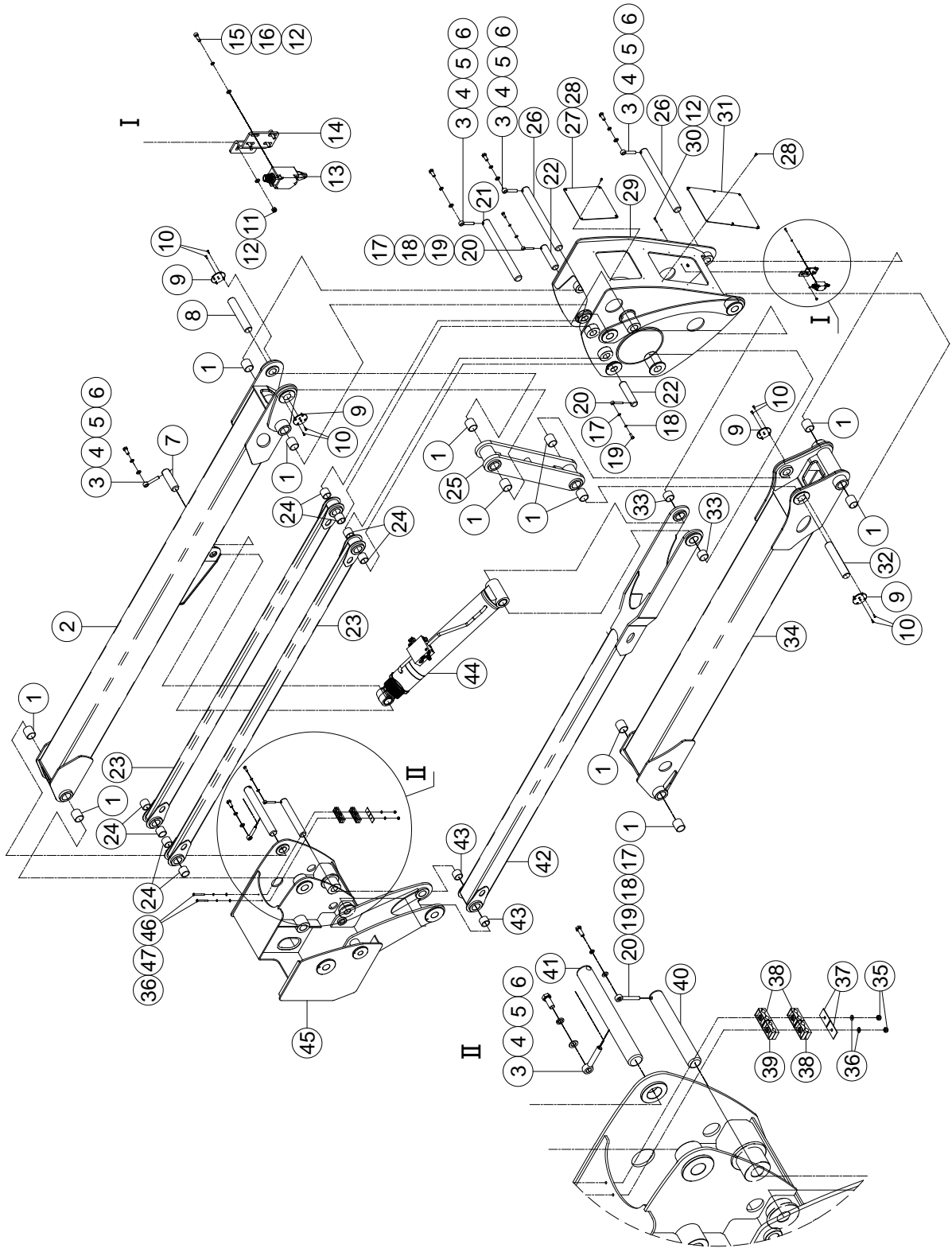


Figure 3-2 Boom Assembly

Item	Part Number	Description	Qty.	Remark
1	00000428	8813-506060 Sleeve Bearing	12	
2	50000330	Crank Arm 2	1	
3	00000222	8902-16095 Pin, Lock	5	
4	00001161	Bolt GB/T 5783 M16 x 40	5	
5	00001035	Spring Washer GB/T 93 16	5	
6	00000997	Flat Washer GB/T 97.1 16	5	
7	00000125	895-50147 Pin, Pivot	1	
8	00000482	893C-50272 Pin, Pivot	1	
9	50000295	Cover	4	
10	00000831	Screw GB/T 70.3 M6x20	24	
11	00000742	Nut GB/T 889.1 M6	2	
12	00000620	Flat Washer GB/T 97.1 6	8	
13	00000750	Switch, Limit	1	
14	50000294	Bracket, Switch	1	
15	00000774	Screw GB/T 70 M6 x 20	4	
16	00000621	Spring Washer GB/T 93 6	4	
17	00000615	Flat Washer GB/T 97.1 10	3	
18	00000679	Spring Washer GB/T 93 10	3	
19	00000683	Bolt GB/T 5783 M10 x 30	3	
20	00000220	8902-10080 Pin, Lock	3	
21	00000139	895-50500 Pin, Pivot	1	
22	00000112	895-45175 Pin, Pivot	2	
23	50000327	Rod, Connection 1	2	
24	00000761	8813-455545 Sleeve Bearing	8	
25	50000356	Link, Timing	1	
26	00000140	895-50520 Pin, Pivot	2	
27	50000296	Cover	1	
28	00000777	Screw GB/T 818 M6 x 14 - Z	10	
29	50000299	Cage, Connection	1	

Figure 3-2 Boom Assembly (Continued)

Item	Part Number	Description	Qty.	Remark
30	00000775	Bolt GB/T 5783 M6 × 30	2	
31	50000297	Cover	1	
32	00000483	893C-50286 Pin, Pivot	1	
33	00000671	8813-506040 Sleeve Bearing	2	
34	50000311	Crank Arm 1	1	
35	00000994	Nut GB/T 889.1 M8	2	
36	00000608	Flat Washer GB/T 97.1 8	4	
37	10000047	Plate, Clamp	2	
38	00000539	Clamp	3	
39	00000538	Clamp	1	
40	00000117	895-45295 Pin, Pivot	1	
41	00000136	895-50393 Pin, Pivot	1	
42	50000348	Rod, Connection 2	1	
43	00000422	8813-455540 Sleeve Bearing	2	
44		Lower Lifting Cylinder Assembly (See Figure 5-1 for Breakdown)	1	
45	50000376	Cage, Connection	1	
46	00001026	Bolt GB/T 5782 M8 × 80	2	
47	00000609	Spring Washer GB/T 93 8	2	

Figure 3-3 Telescopic Boom Installation

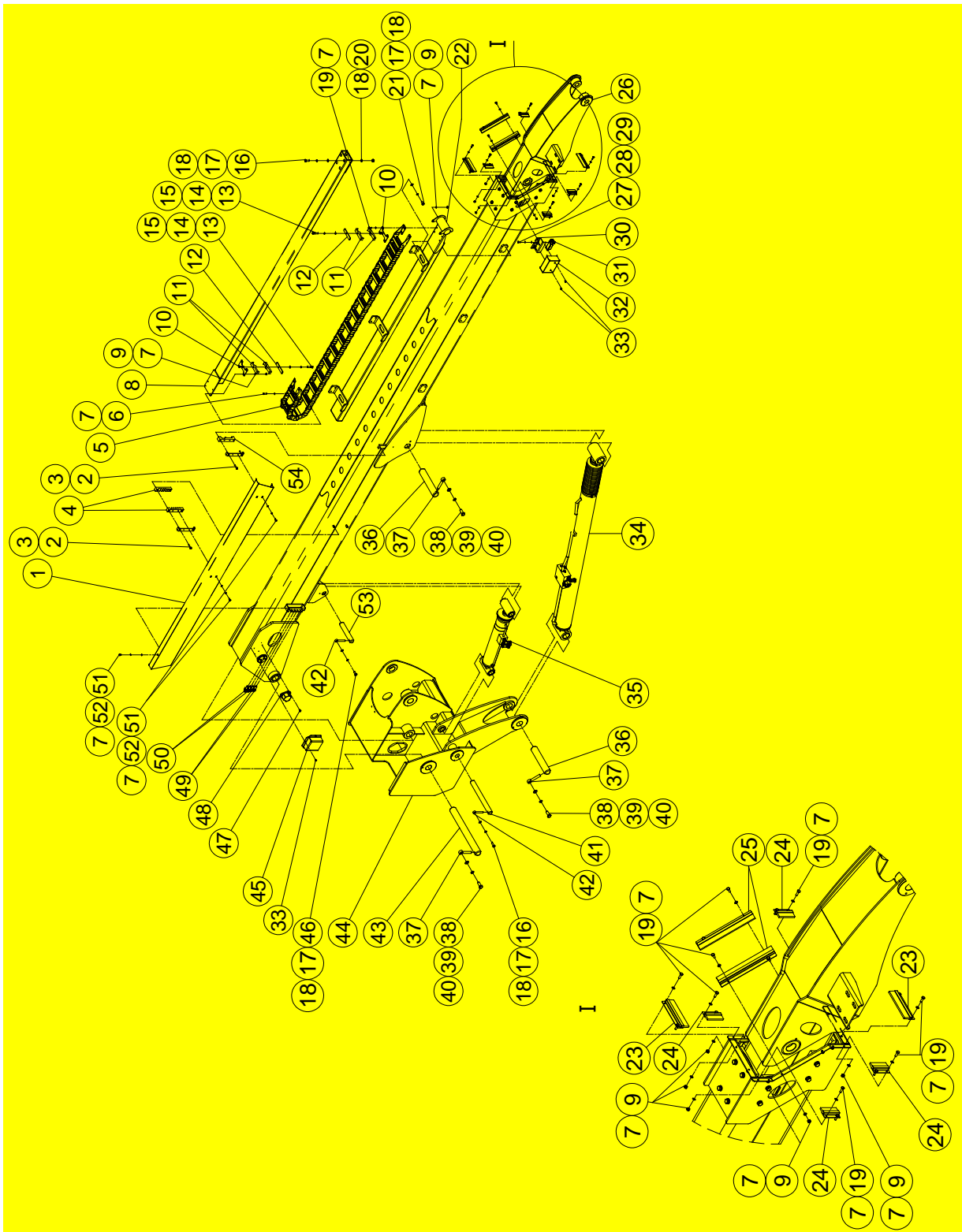


Figure 3-3 Telescopic Boom Installation

Item	Part Number	Description	Qty.	Remark
1	50000372	Cover	1	
2	00000741	Screw GB/T 819 M6 x 40 - Z	4	
3	50000363	Pad, Rubber	2	
4	50000362	Plate, Clamp	2	
5	50000469	Carrier	1	
6	00000619	Bolt GB/T 5783 M6 x 25	4	
7	00000620	Flat Washer GB/T 97.1 6	54	
8	50000452	Cable Tube	1	
9	00000742	Nut GB/T 889.1 M6	24	
10	50000364	Plate, Weldment	2	
11	50000367	Plate, Clamp	4	
12	50000368	Pad, Rubber	2	
13	00000744	Screw GB/T 70 M8 x 40	2	
14	00000609	Spring Washer GB/T 93 8	2	
15	00000608	Flat Washer GB/T 97.1 8	2	
16	00000683	Bolt GB/T 5783 M10 x 30	5	
17	00000679	Spring Washer GB/T 93 10	12	
18	00000615	Flat Washer GB/T 97.1 10	16	
19	00000743	Bolt GB/T 5783 M6 x 20	20	
20	00000682	Nut GB/T 889.1 M10	4	
21	00000674	Bolt GB/T 5783 M10 x 20	6	
22	50000458	Cable Track Carrier Weldment	1	
23	50005400	Dust Brush	2	
24	50005401	Dust Brush	4	
25	50005402	Dust Brush	2	
26		Telescope Boom Assembly (See Figure 3-4 for Breakdown)	1	
27	00000604	Screw GB/T 70 M4x16	4	
28	00000779	Spring Washer GB/T 93 4	4	

Figure 3-3 Telescopic Boom Installation (Continued)

Item	Part Number	Description	Qty.	Remark
29	00000778	Flat Washer GB/T 97.1 4	4	
30	50000371	Plate, Bracket	1	
31	00000748	Switch, Limit	1	
32	50000369	Cover, Switch	1	
33	00000747	Screw GB/T 818 M5 × 10 - Z	5	
34		Upper Lifting Cylinder Assembly (See Figure 5-2 for Breakdown)	1	
35		Master Cylinder Assembly (See Figure 5-4 for Breakdown)	1	
36	00000130	895-50249 Pin, Pivot	2	
37	00000222	8902-16095 Pin, Lock	3	
38	00001161	Bolt GB/T 5783 M16 × 40	3	
39	00001035	Spring Washer GB/T 93 16	3	
40	00000997	Flat Washer GB/T 97.1 16	3	
41	00000104	895-35333 Pin, Pivot	1	
42	00000220	8902-10080 Pin, Lock	2	
43	00000138	895-50466 Pin, Pivot	1	
44	50000376	Cage, Connection	1	
45	50000468	Cover, Sensor	1	
46	00000678	Bolt GB/T 5783 M10 × 25	1	
47	00000746	Screw GB/T 818 M6 × 12 - Z	3	
48	00000643	Sensor, Angle	1	
49	00002135	Fitting, Straight	2	
50	00002136	Fitting, Straight	2	
51	00000745	Bolt GB/T 5783 M6 × 12	6	
52	00000621	Spring Washer GB/T 93 6	6	
53	00000073	895-35188 Pin, Pivot	1	
54	50000443	Plate, Clamp	1	

Figure 3-4 Telescopic Boom Assembly

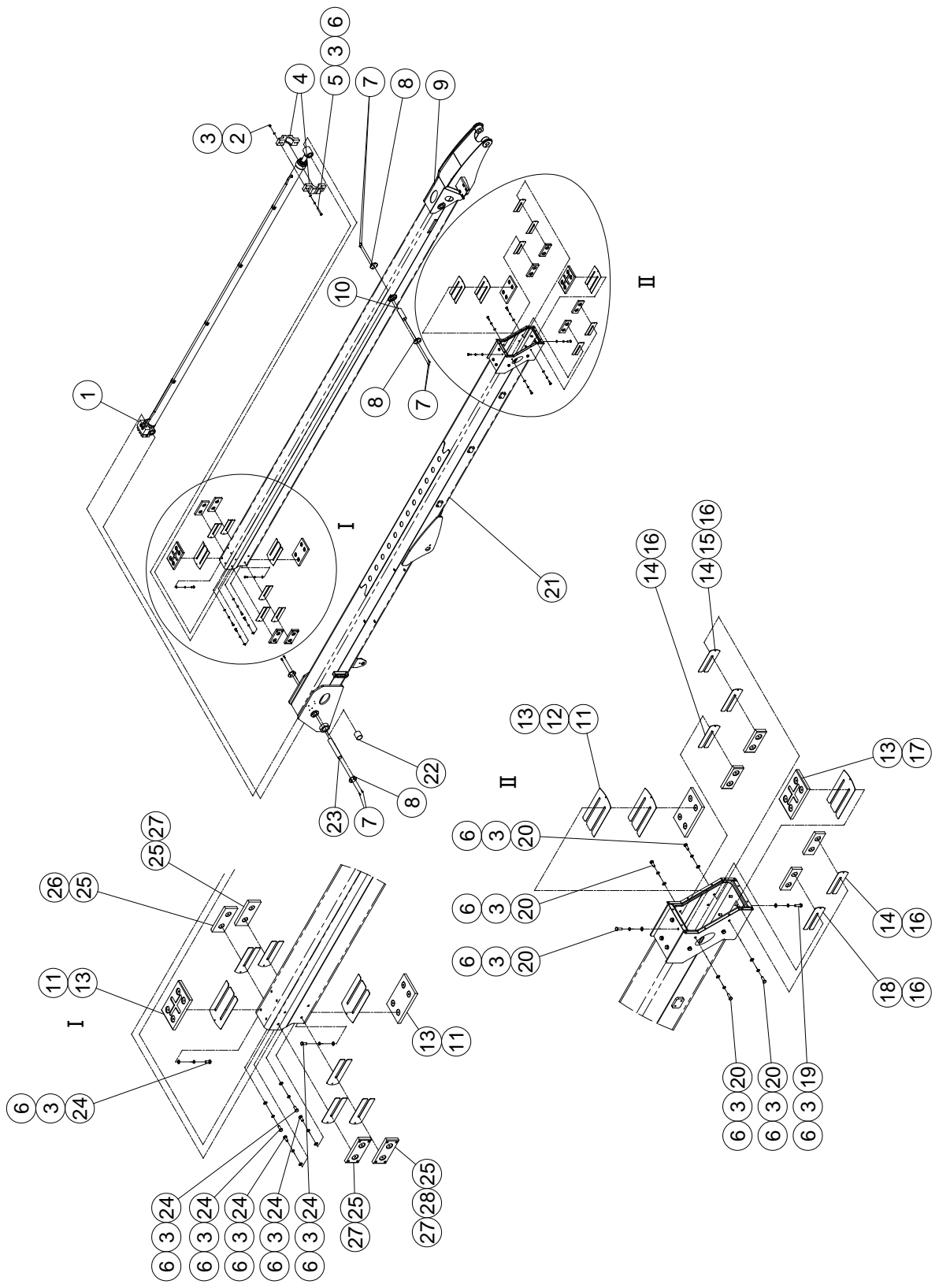


Figure 3-4 Telescopic Boom Assembly

Item	Part Number	Description	Qty.	Remark
1		Telescope Cylinder Assembly (See Figure 5-3 for Breakdown)	1	
2	00000682	Nut GB/T 889.1 M10	4	
3	00000679	Spring Washer GB/T 93 10	38	
4	50000444	Bracket	2	
5	00000681	Bolt GB/T 5783 M10 × 80	4	
6	00000615	Flat Washer GB/T 97.1 10	38	
7	00000831	Screw GB/T 70.3 M6×20	24	
8	50000448	Plate, Cover	4	
9	50000428	Second Boom	1	
10	00000462	893C-40134 Pin, Pivot	1	
11	50000445	Shim	3	
12	50000078	Shim	1	
13	50000446	Pad, Wear	4	
14	50000401	Shim	3	
15	50000046	Shim	1	
16	50000402	Pad, Wear	4	
17	50000079	Shim	1	
18	50000047	Shim	1	
19	00000684	Bolt GB/T 5783 M10 × 35	4	
20	00000683	Bolt GB/T 5783 M10 × 30	12	
21	50000404	Base Boom	1	
22	00000428	8813-506060 Sleeve Bearing	2	
23	00000466	893C-40248 Pin, Pivot	1	
24	00000678	Bolt GB/T 5783 M10 × 25	16	
25	50000450	Pad, Wear	4	
26	50000049	Shim	1	
27	50000449	Shim	3	
28	50000048	Shim	1	

Figure 3-5 Jib Assembly Installation

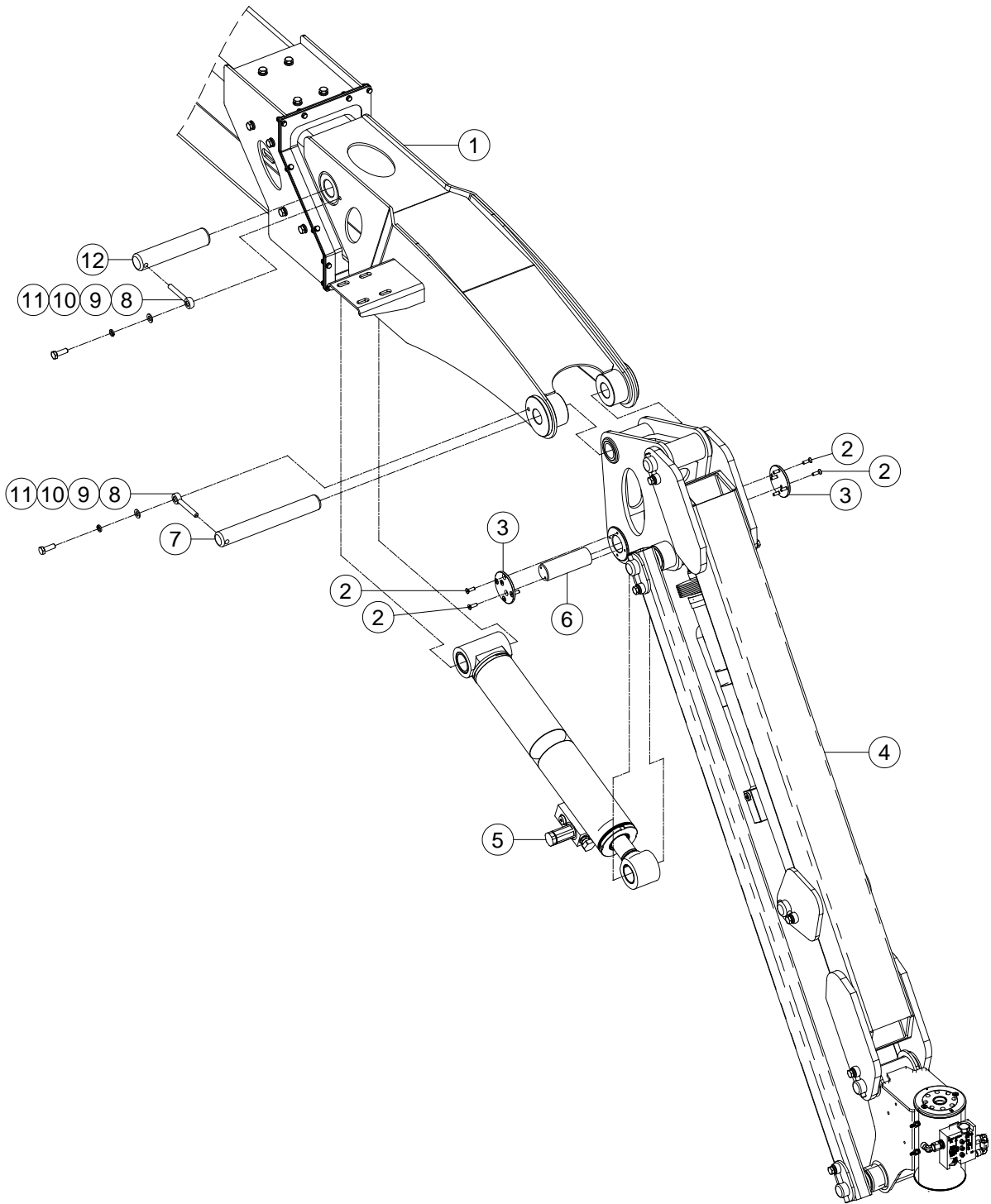


Figure 3-5 Jib Assembly Installation

Item	Part Number	Description	Qty.	Remark
1		Boom Assembly (See Figure 3-2 for Breakdown)	1	
2	00000831	Screw GB/T 70.3 M6x20	12	
3	50000448	Plate, Cover	2	
4		Jib Assembly (See Figure 3-6 for Breakdown)	1	
5		Slave Cylinder Assembly (See Figure 5-5 for Breakdown)	1	
6	00000461	893C-40120 Pin, Pivot	1	
7	00000101	895-35255 Pin, Pivot	1	
8	00000220	8902-10080 Pin, Lock	2	
9	00000615	Flat Washer GB/T 97.1 10	2	
10	00000679	Spring Washer GB/T 93 10	2	
11	00000683	Bolt GB/T 5783 M10 x 30	2	
12	00000109	895-40175 Pin Pivot	1	

Figure 3-6 Jib Assembly

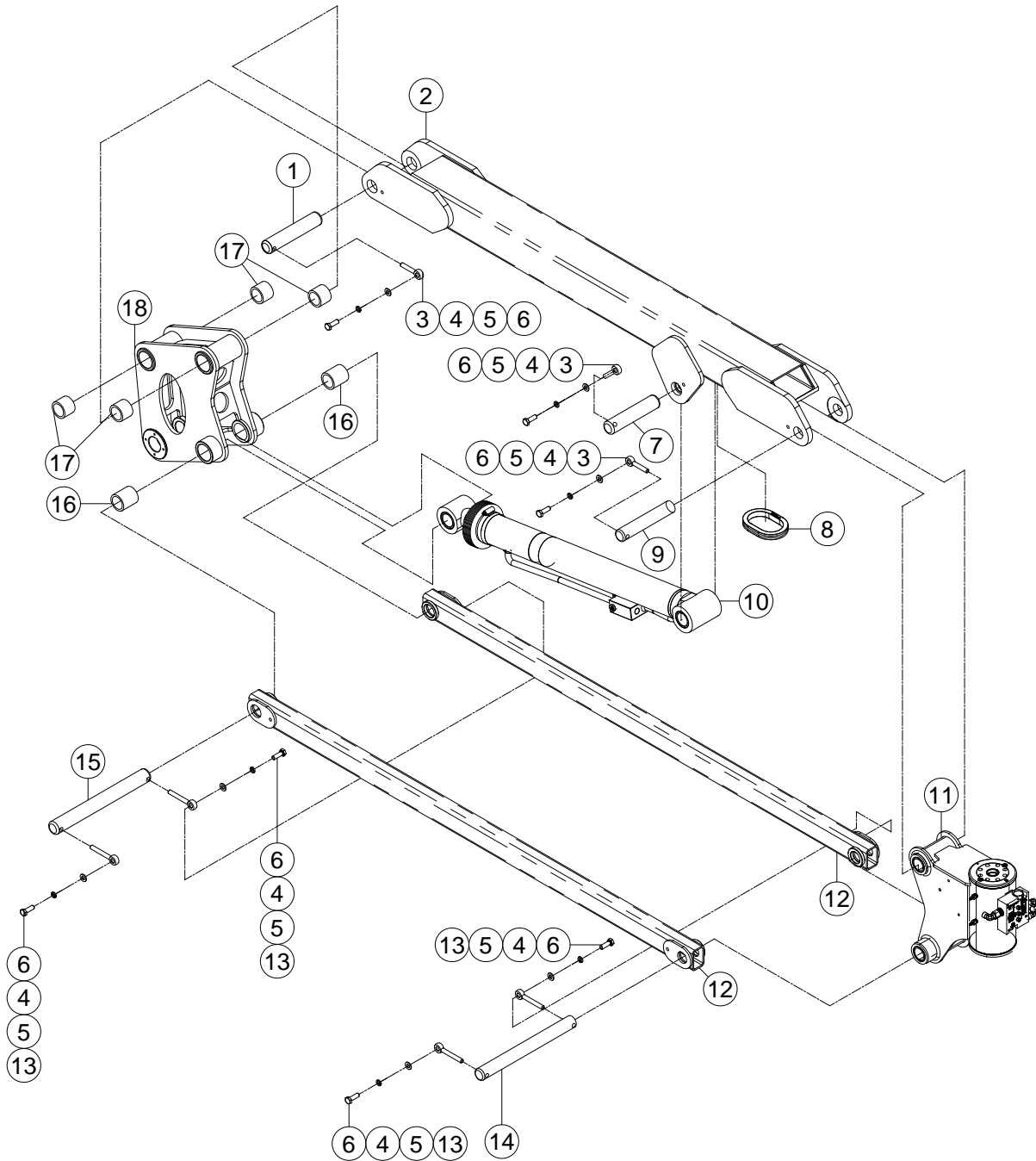


Figure 3-6 Jib Assembly

Item	Part Number	Description	Qty.	Remark
1	00000071	895-35168 Pin Pivot	1	
2	50000527	Linker, Upper	1	
3	00000219	8902-10060 Pin, Lock	3	
4	00000679	Spring Washer GB/T 93 10	7	
5	00000615	Flat Washer GB/T 97.1 10	7	
6	00000683	Bolt GB/T 5783 M10 x 30	7	
7	00000685	895-35153 Pin Pivot	1	
8	10000039	Sheath	2	
9	00000064	895-31.8x168 Pin Pivot	1	
10		Jib Cylinder Assembly (<i>See Figure 5-6 for Breakdown</i>)	1	
11		Rotate Cylinder Assembly with Fittings (<i>See Figure 3-7 for Breakdown</i>)	1	
12	50000537	Linker , Lower	2	
13	00000220	8902-10080 Pin, Lock	4	
14	00000047	897-31.8x300 Pin Pivot	1	
15	00000050	897-35300 Pin Pivot	1	
16	00000417	8813-354550 Sleeve Bearing	2	
17	00000416	8813-354535 Sleeve Bearing	4	
18	50000544	Jib Basis	1	

Figure 3-7 Rotate Cylinder Assembly with Fittings

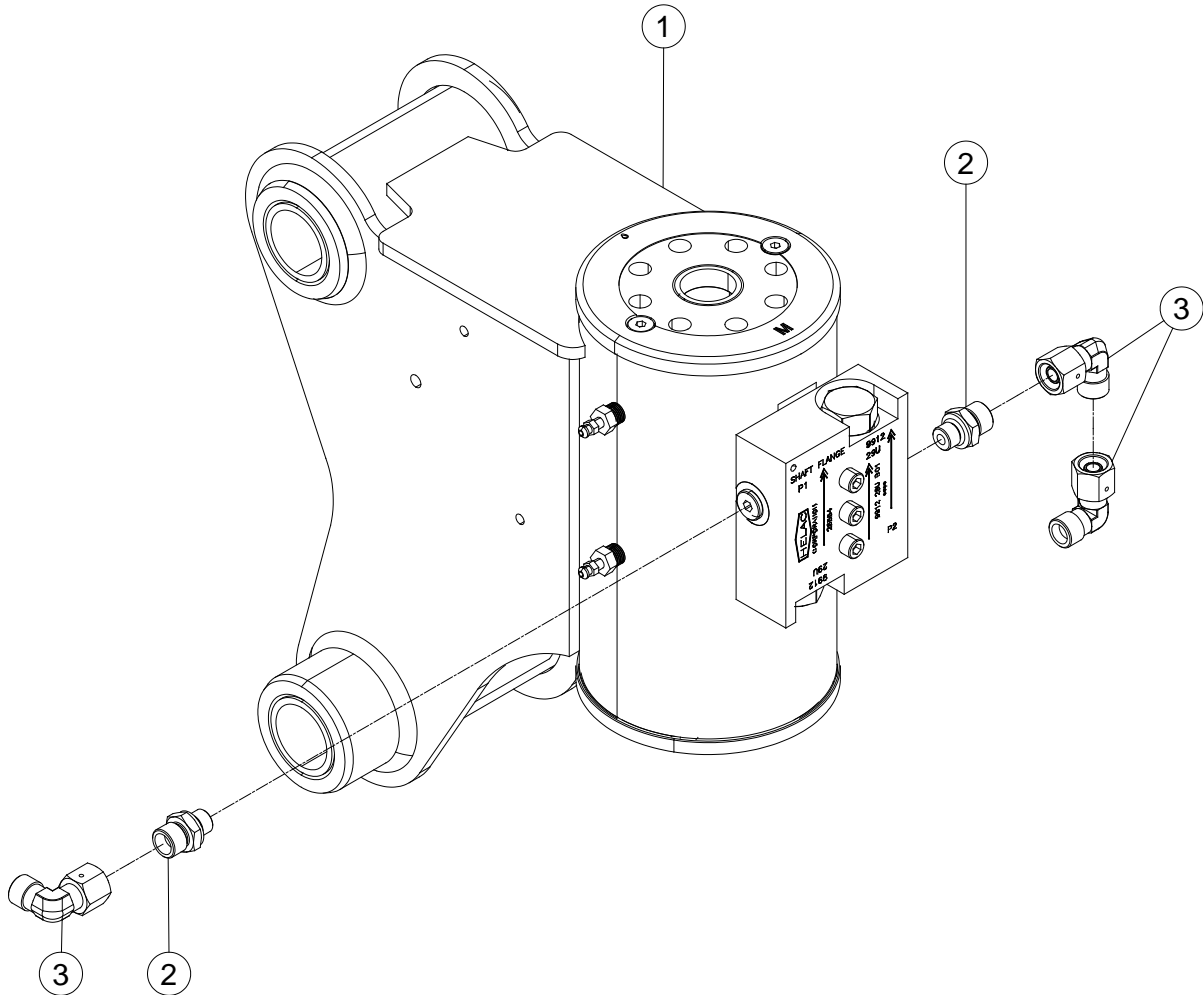


Figure 3-7 Rotate Cylinder Assembly with Fittings

Item	Part Number	Description	Qty.	Remark
1	00000515	Rotate Cylinder Assembly	1	
--	00003662	Housing/Ring Gear Assembly	1	
--	00003663	Counterbalance Valve	1	
--	00003664	Seal Kit for 00000515 Rotate Cylinder	1	
2	00001769	Fitting, Straight	2	
3	00001832	Fitting, 90°	3	

Platform

Section 4

Figure 4-1 Platform Assembly Installation

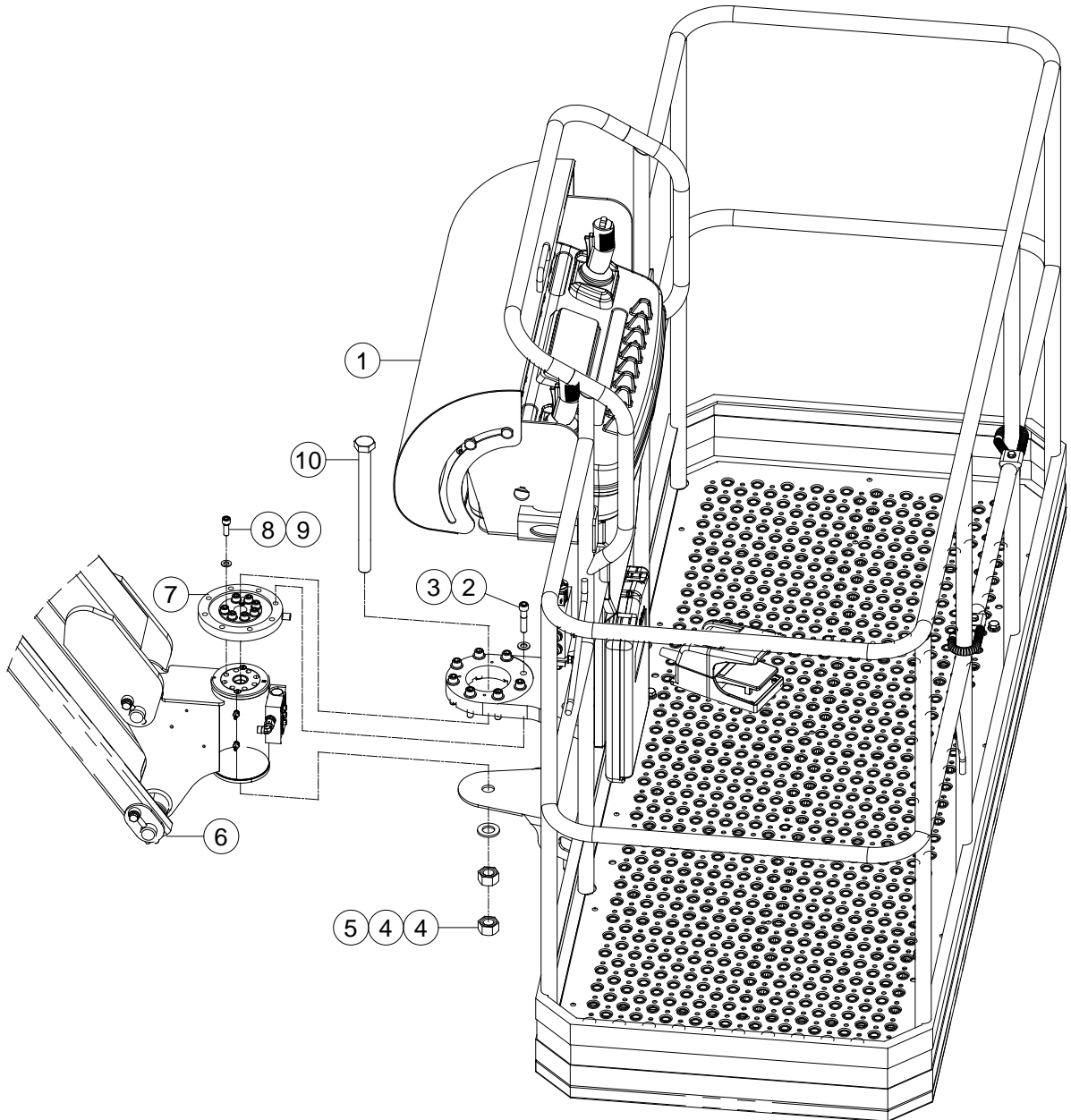


Figure 4-1 Platform Assembly Installation

Item	Part Number	Description	Qty.	Remark
1		Platform Assembly (See Figure 4-2 for Breakdown)	1	
2	00001852	Screw GB/T 70 M12 x 55	8	
3	00000814	Flat Washer GB/T 97.1 12	8	
4	00001854	Nut GB/T 6170 M24	2	
5	00001159	Flat Washer GB/T 97.1 24	1	
6		Jib Assembly (See Figure 3-6 for Breakdown)	1	
7	00000646	Sensor, Load	1	
8	00001059	Screw GB/T 70 M10 x 30	8	
9	00000615	Flat Washer GB/T 97.1 10	8	
10	00001853	Bolt GB/T 5782 M24 x 300	1	

Figure 4-2 Platform Assembly

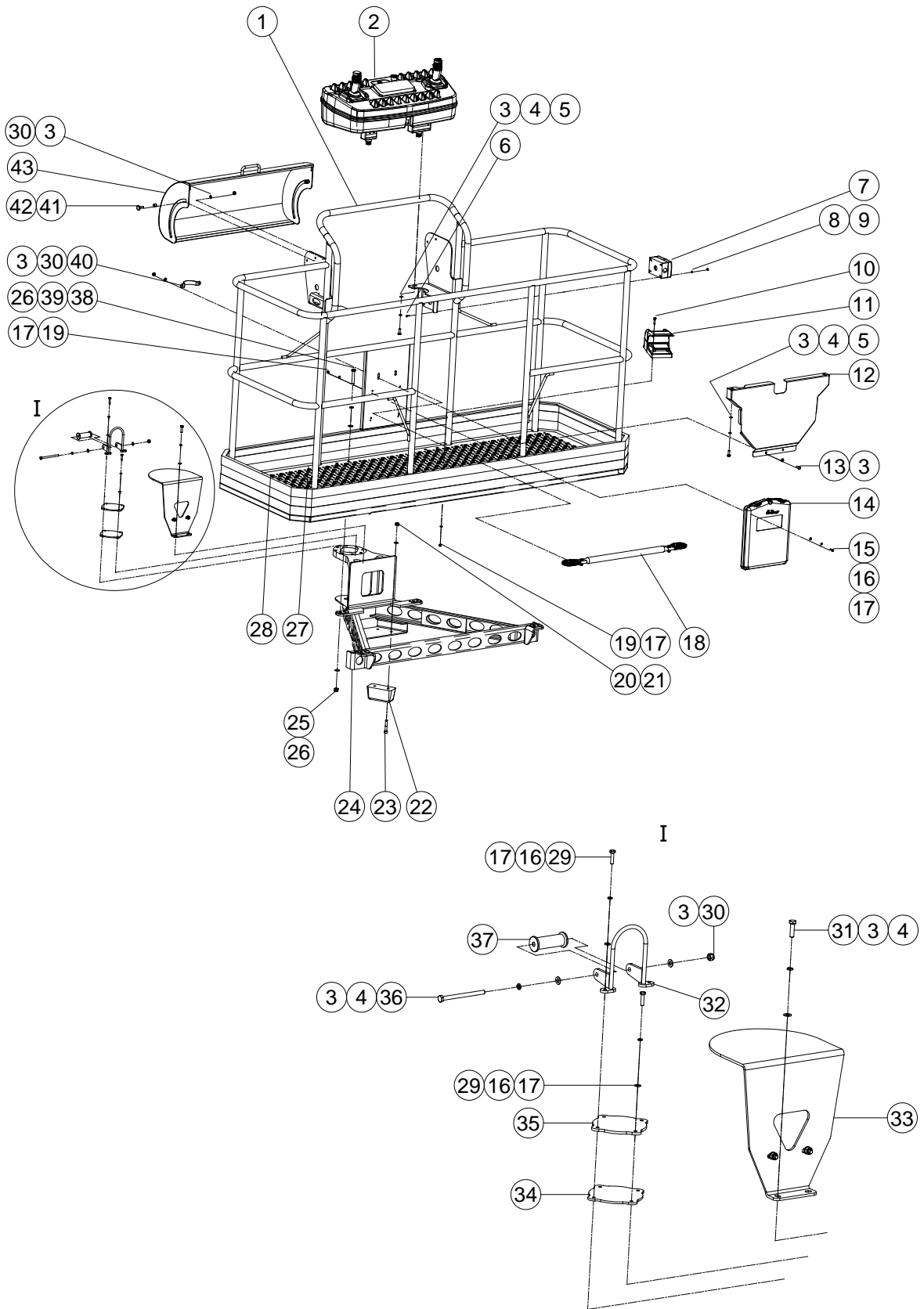


Figure 4-2 Platform Assembly

Item	Part Number	Description	Qty.	Remark
1	50001021	Platform Weldment	1	
2		Platform Console Box Assembly (See Figure 4-3 for Breakdown)	1	
3	00000608	Flat Washer GB/T 97.1 8	16	
4	00000609	Spring Washer GB/T 93 8	7	
5	00000993	Bolt GB/T 5783 M8 x 25	4	
6	00001848	Screw GB/T 818 M4 x 14 - Z	2	
7	00000668	Electrical Outlet	1	
8	00000778	Flat Washer GB/T 97.1 4	2	
9	00001236	Nut GB/T 889.1 M4	2	
10	00001034	Screw GB/T 70 M6 x 25	4	
11	00000656	Footswitch	1	
12	50001023	Plate, Decal	1	
13	00001849	Bolt GB/T 5783 M8 x 20	2	
14	50000555	Box, Manual	1	
15	00000743	Bolt GB/T 5783 M6 x 20	4	
16	00000621	Spring Washer GB/T 93 6	8	
17	00000620	Flat Washer GB/T 97.1 6	16	
18	50000575	Doorstop	1	
19	00000742	Nut GB/T 889.1 M6	8	
20	00000682	Nut GB/T 889.1 M10	4	
21	00000615	Flat Washer GB/T 97.1 10	4	
22	10000041	Plate, Rubber	2	
23	00000614	Screw GB/T 70 M10 x 60	4	
24	50000615	Support Weldment	1	
25	00001056	Nut GB/T 889.1 M12	4	
26	00000814	Flat Washer GB/T 97.1 12	8	
27	00001991	Rivet GB/T 12618.4 4.8x16	20	
28	50000585	Deck Plate	1	

Figure 4-2 Platform Assembly (Continued)

Item	Part Number	Description	Qty.	Remark
29	00000619	Bolt GB/T 5783 M6 x 25	4	
30	00000994	Nut GB/T 889.1 M8	7	
31	00000995	Bolt GB/T 5783 M8 x 30	2	
32	50000581	Clamp	1	
33		Transition Valve Assembly with Fittings (See Figure 4-4 for Breakdown)	1	
34	50000579	Plate, Seal	1	
35	50000580	Cover	1	
36	00003146	Bolt GB/T 5782 M8 x 110	1	
37	50002764	Wheel, Nylon	1	
38	00001847	Bolt GB/T 5783 M12 x 70	4	
39	00000815	Spring Washer GB/T 93 12	4	
40	50000554	Hoop	1	
41	50000569	Axes	4	
42	50000568	Bushing	4	
43	50000570	Shield	1	

Figure 4-3 Platform Control Box Assembly

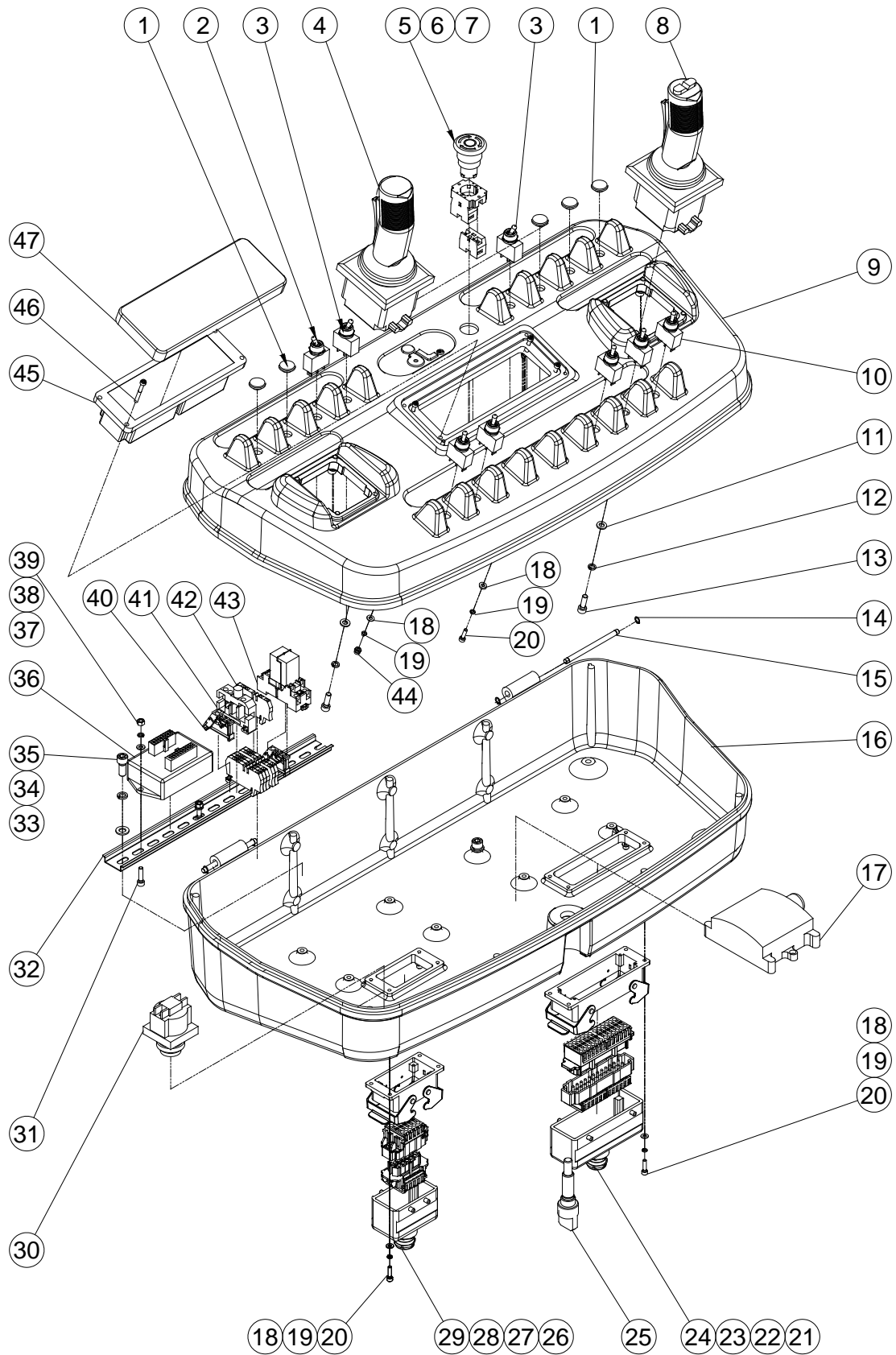


Figure 4-3 Platform Control Box Assembly

Item	Part Number	Description	Qty.	Remark
1	00000667	Plug, Toggle Switch	5	
2	00000653	Switch, Toggle	1	
3	00001855	Switch, Toggle	2	
4	00000658	Joystick (Lift & Swing)	1	
5	00000754	Red Mushroom Head	1	
6	00001245	NC Contact	1	
7	00000752	Base with 1 NC Contact	1	
8	00000657	Joystick (Steer & Drive)	1	
9	50000702	Console Top	1	
10	00000654	Switch, Toggle	5	
11	00000620	Flat Washer GB/T 97.1 6	5	
12	00000621	Spring Washer GB/T 93 6	8	
13	00000774	Screw GB/T 70 M6 x 20	8	
14	00001850	Circlips GB/T 894.1-6	4	
15	50000703	Pin	2	
16	50000701	Shield, Showing	1	
17	00002503	Load Sensor Amplifier	1	
18	00000778	Flat Washer GB/T 97.1 4	16	
19	00000779	Spring Washer GB/T 93 4	16	
20	00000604	Screw GB/T 70 M4x16	12	
21	00000732	Housing	1	
22	00000728	Female Insert	1	
23	00000730	Male Insert	1	
24	00000726	Hood	1	
25	50000704	Bolt, Lock	1	
26	00000731	Housing	1	
27	00000729	Male Insert	1	
28	00000727	Female Insert	1	
29	00000725	Hood	1	

Figure 4-3 Platform Control Box Assembly (Continued)

Item	Part Number	Description	Qty.	Remark
30	00000665	Alarm	1	
31	00000817	Screw GB/T 70 M5 x 20	2	
32	50000025	Bracket	1	
33	00000608	Flat Washer GB/T 97.1 8	2	
34	00000609	Spring Washer GB/T 93 8	2	
35	00001061	Screw GB/T 70 M8 x 20	2	
36	00000640	IO-Mode	1	
37	00000605	Flat Washer GB/T 97.1 5	2	
38	00000606	Spring Washer GB/T 93 5	2	
39	00000688	Nut GB/T 6170 M5	2	
40	00000660	End, Fixation	2	
41	00000661	End, Diode	1	
42	00000659	End, Straight	6	
43	00000648	Relay	1	
44	00001236	Nut GB/T 889.1 M4	4	
45	00000650	SLIM Display	1	
46	00001235	Screw GB/T 70 M4 x 35	4	
47	50000697	Shield, Display	1	

Figure 4-4 Transition Valve Assembly with Fittings

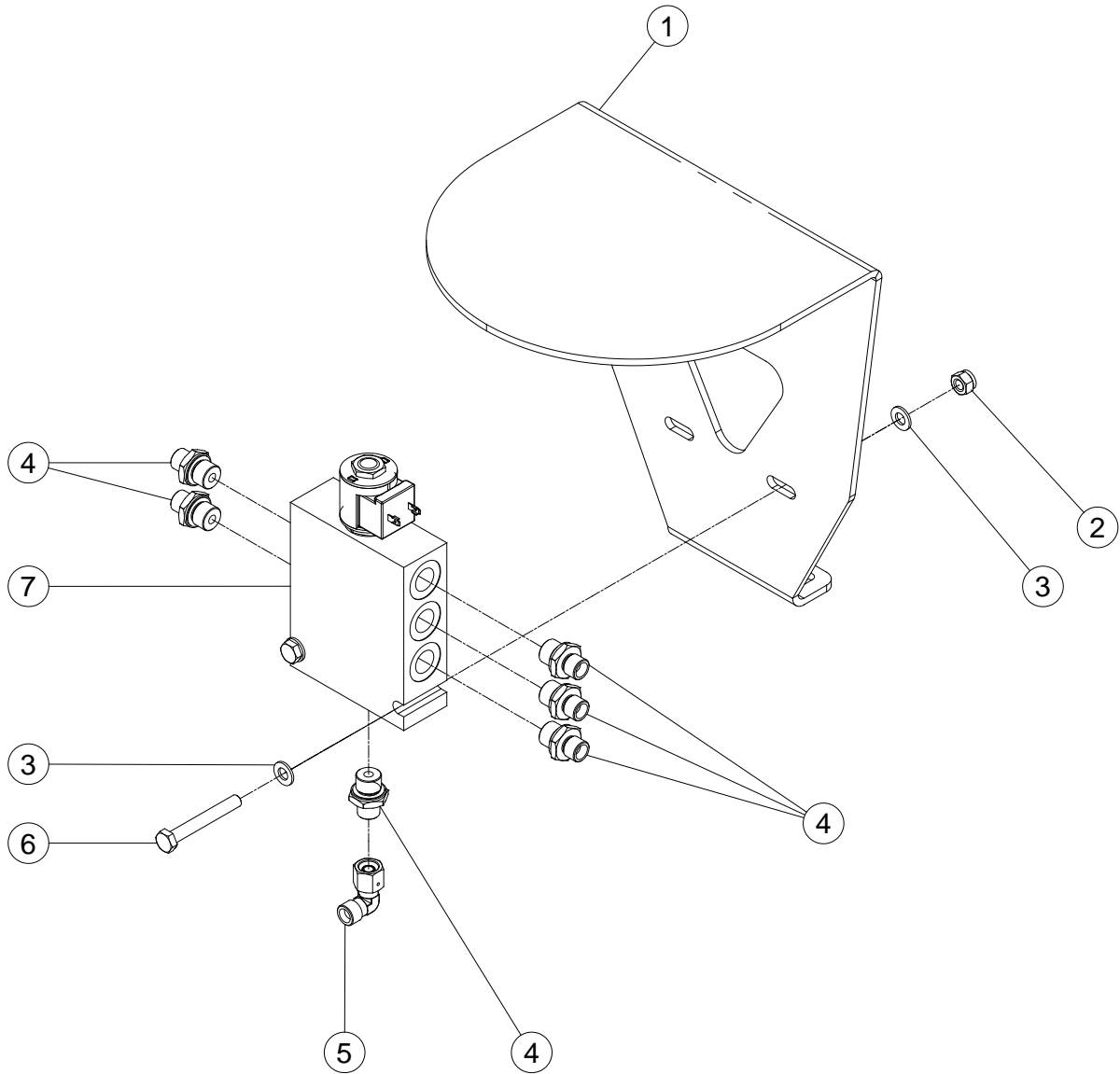


Figure 4-4 Transition Valve Assembly with Fittings

Item	Part Number	Description	Qty.	Remark
1	50000620	Bracket, Block Mounting	1	
2	00000994	Nut GB/T 889.1 M8	2	
3	00000608	Flat Washer GB/T 97.1 8	4	
4	00002921	Fitting, Straight	6	
5	00001832	Fitting, 90°	1	
6	00001851	Bolt GB/T 5783 M8 × 60	2	
7	00000505	Directional Valve Assembly (<i>See Figure 4-5 for Breakdown</i>)	1	

Figure 4-5 Directional Valve Assembly

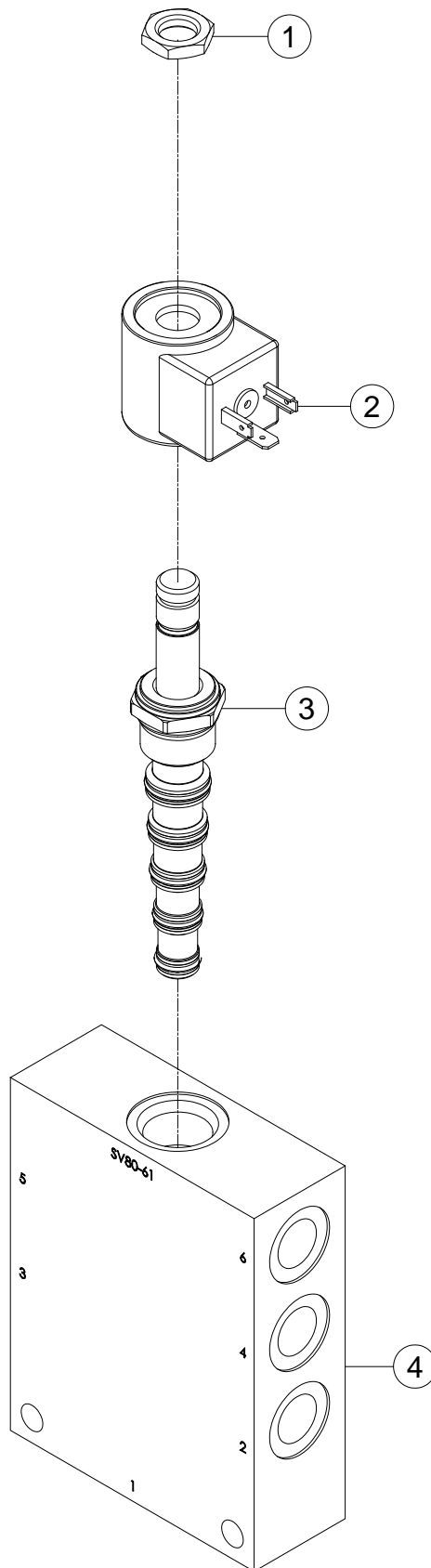


Figure 4-5 Directional Valve Assembly

Item	Part Number	Description	Qty.	Remark
1	00003017	Nut	1	
2	00002043	Coil	1	
3	00003595	Cartridge without Coil	1	
4	00003598	Body	1	

Cylinder

Section
5

Figure 5-1 Lower Lifting Cylinder Assembly

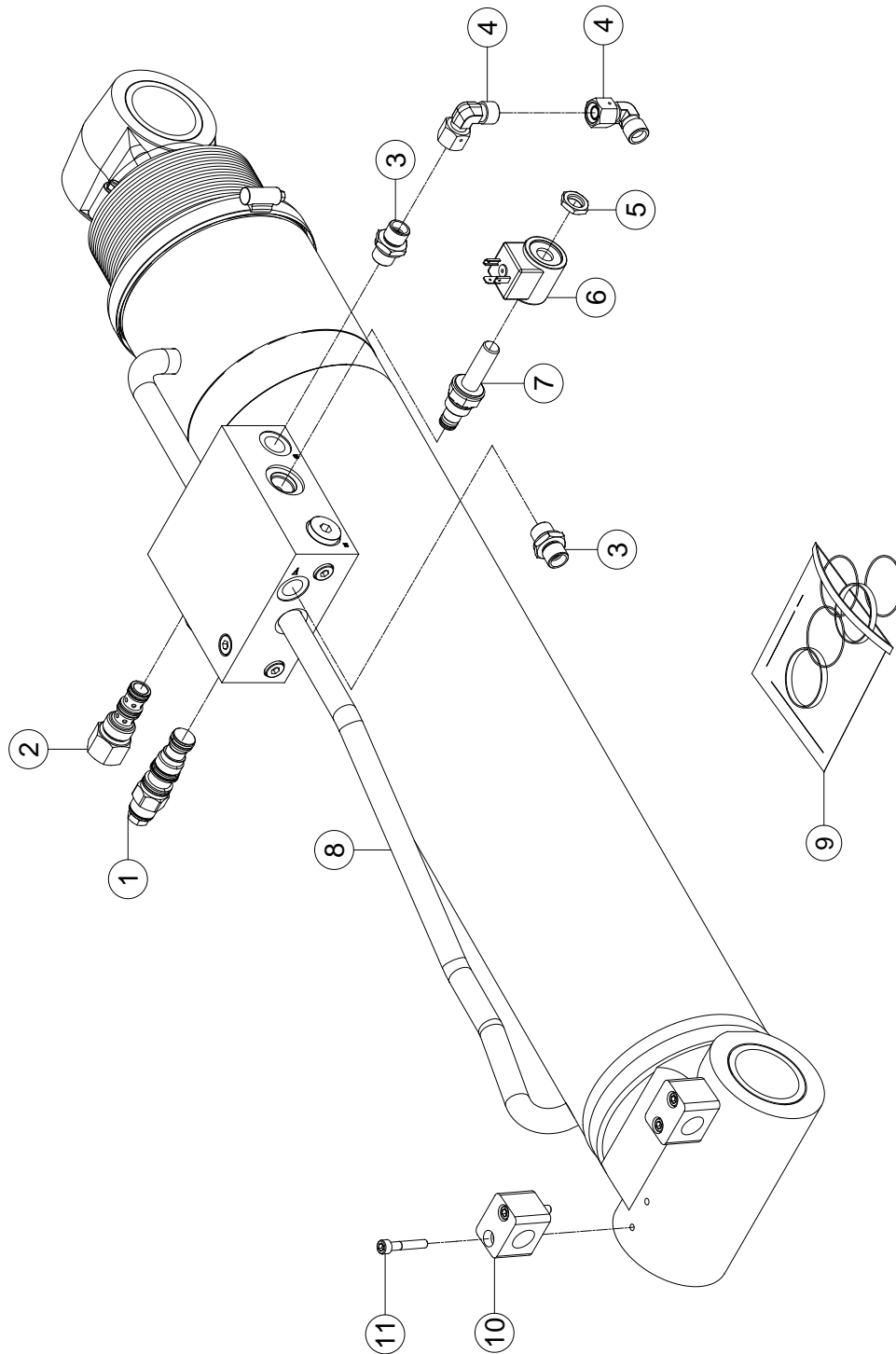


Figure 5-1 Lower Lifting Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00003438	Cartridge, Valve (Counterbalance)	1	
2	00003694	Logic Element	1	
3	00001291	Fitting, Straight	2	
4	00001833	Fitting, 90°	2	
5	00003017	Nut	1	
6	00002037	Coil	1	
7	00003697	Cartridge without Coil	1	
8	50000014	Lower Lifting Cylinder Assembly	1	
9	50003145	Seal Kit 125/90	1	
10	00004118	Clamp	2	
11	00002934	Screw GB/T 70 M6 x 35	4	

Figure 5-2 Upper Lifting Cylinder Assembly

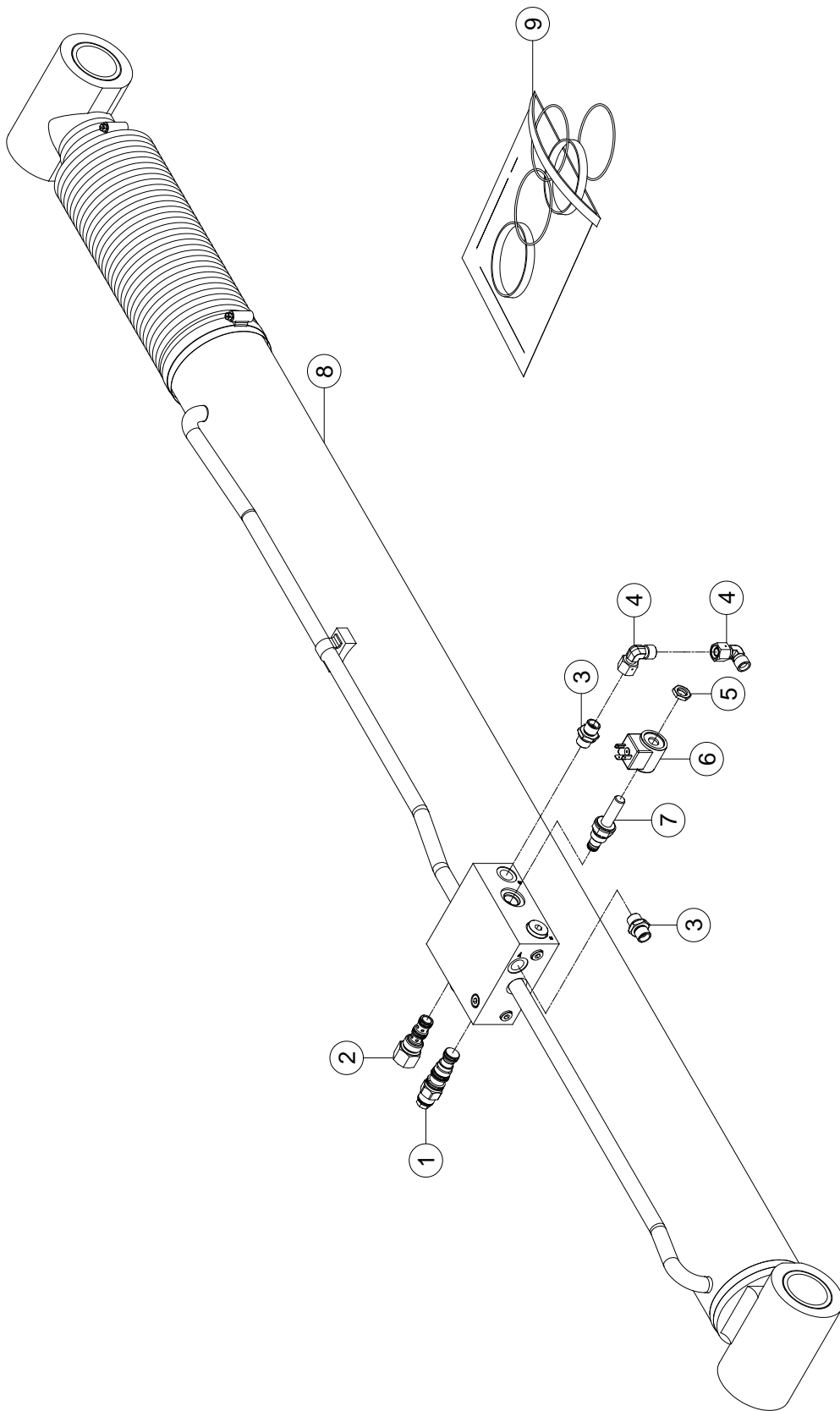


Figure 5-2 Upper Lifting Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00003438	Cartridge, Valve (Counterbalance)	1	
2	00003694	Logic Element	1	
3	00001291	Fitting, Straight	2	
4	00001833	Fitting, 90°	2	
5	00003017	Nut	1	
6	00002037	Coil	1	
7	00003697	Cartridge without Coil	1	
8	50003231	Upper Lifting Cylinder Assembly	1	
9	50003244	Seal Kit 100/75	1	

Figure 5-3 Telescope Cylinder Assembly

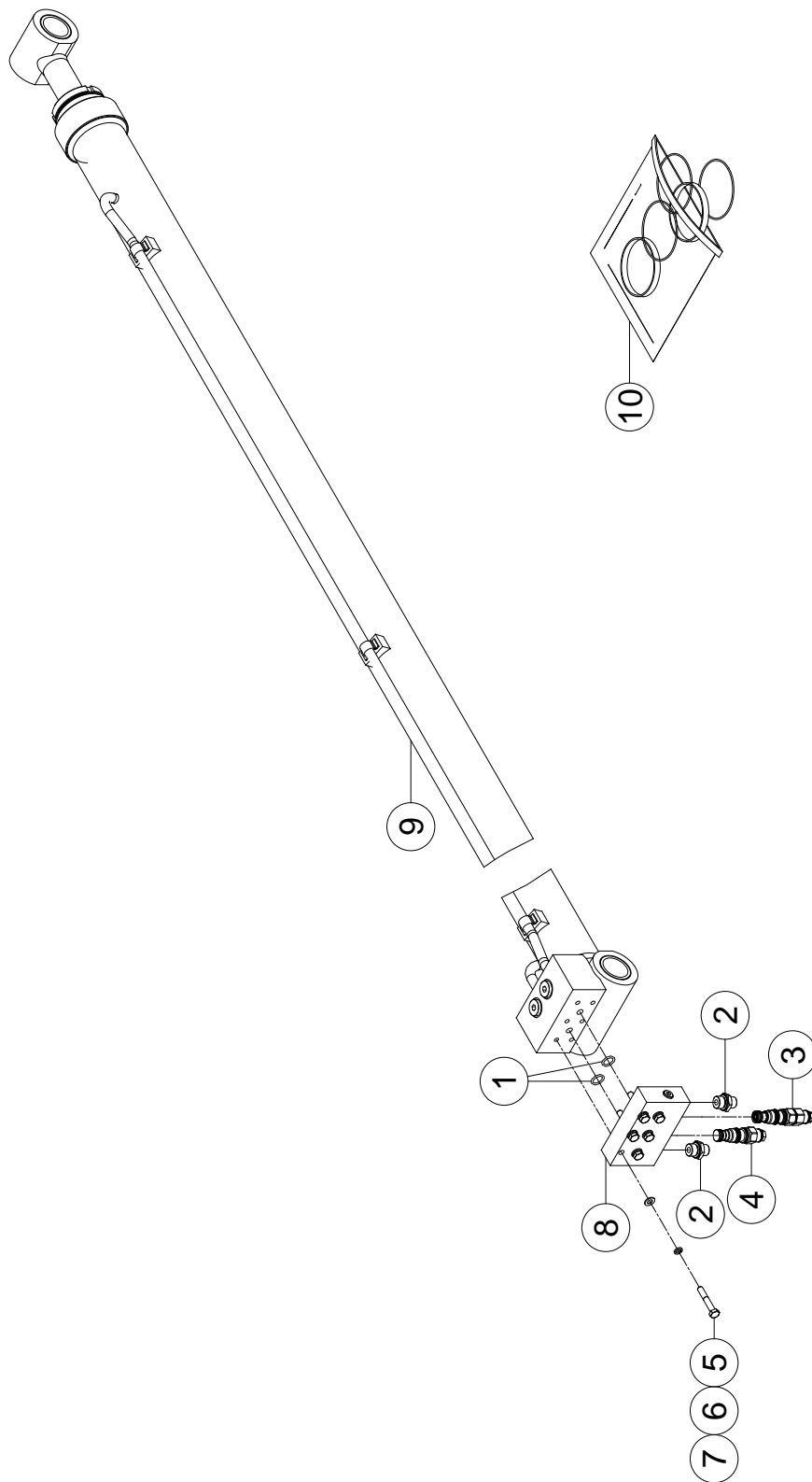


Figure 5-3 Telescope Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00001709	O-Ring As568A 15.54x2.62	2	
2	00001292	Fitting, Straight	2	
3	00003432	Cartridge, Valve (Counterbalance)	1	
4	00003435	Cartridge, Valve (Counterbalance)	1	
5	00002089	Bolt GB/T 5782 M8 x 50	6	
6	00000609	Spring Washer GB/T 93 8	6	
7	00000608	Flat Washer GB/T 97.1 8	6	
8	00003431	Body	1	
9	50003191	Telescope Cylinder Assembly	1	
10	50003208	Seal Kit 63/40	1	

Figure 5-4 Master Cylinder Assembly

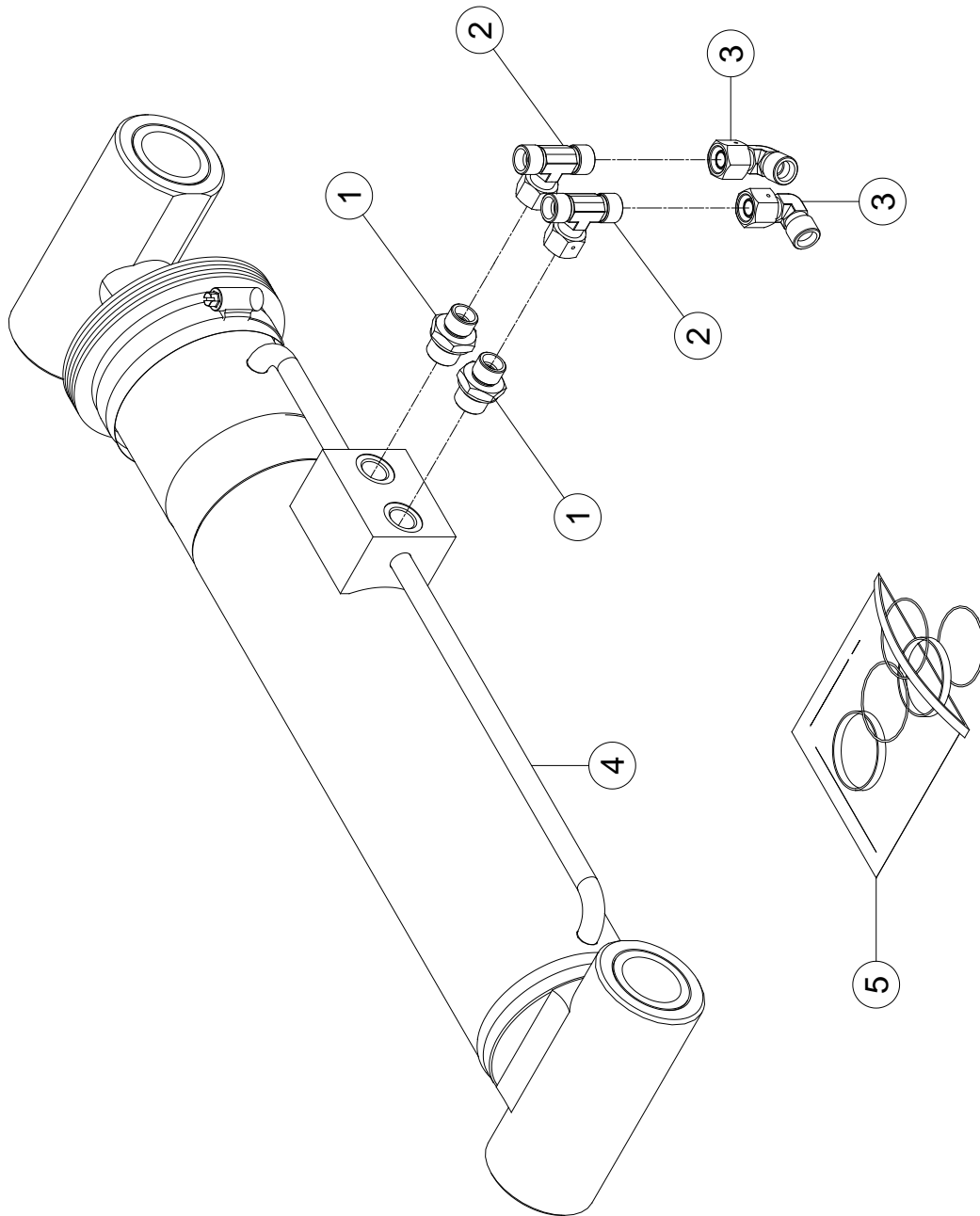


Figure 5-4 Master Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00001292	Fitting, Straight	2	
2	00002119	Fitting, Tee	2	
3	00001833	Fitting, 90°	2	
4	50003120	Master Cylinder Assembly	1	
5	50003132	Seal Kit 80/40	1	

Figure 5-5 Slave Cylinder Assembly

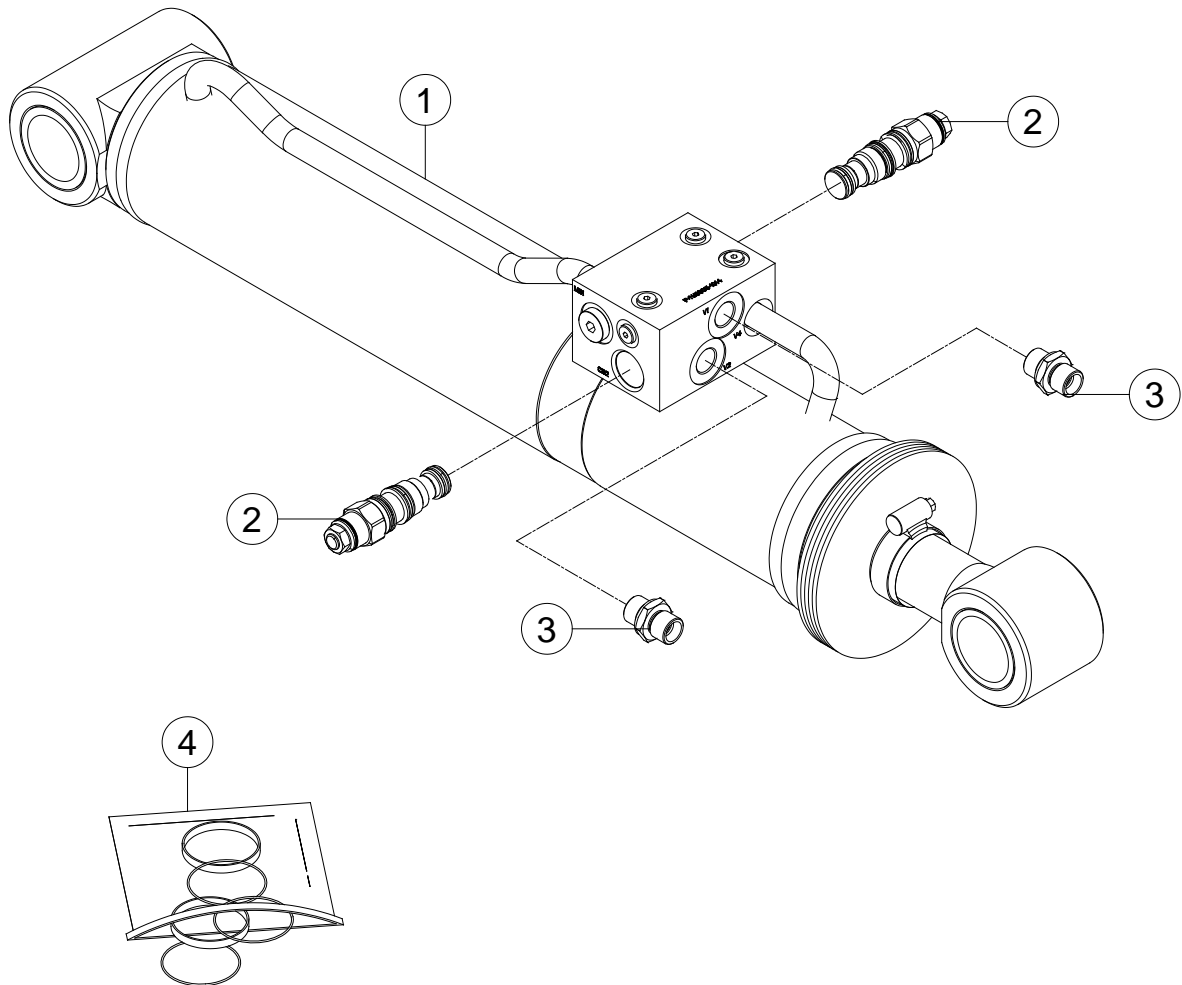


Figure 5-5 Slave Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	50000091	Slave Cylinder Assembly	1	
2	00004587	Cartridge, Valve (Counterbalance)	2	
3	00001291	Fitting, Straight	1	
4	50003132	Seal Kit 80/40	1	

Figure 5-6 Jib Cylinder Assembly

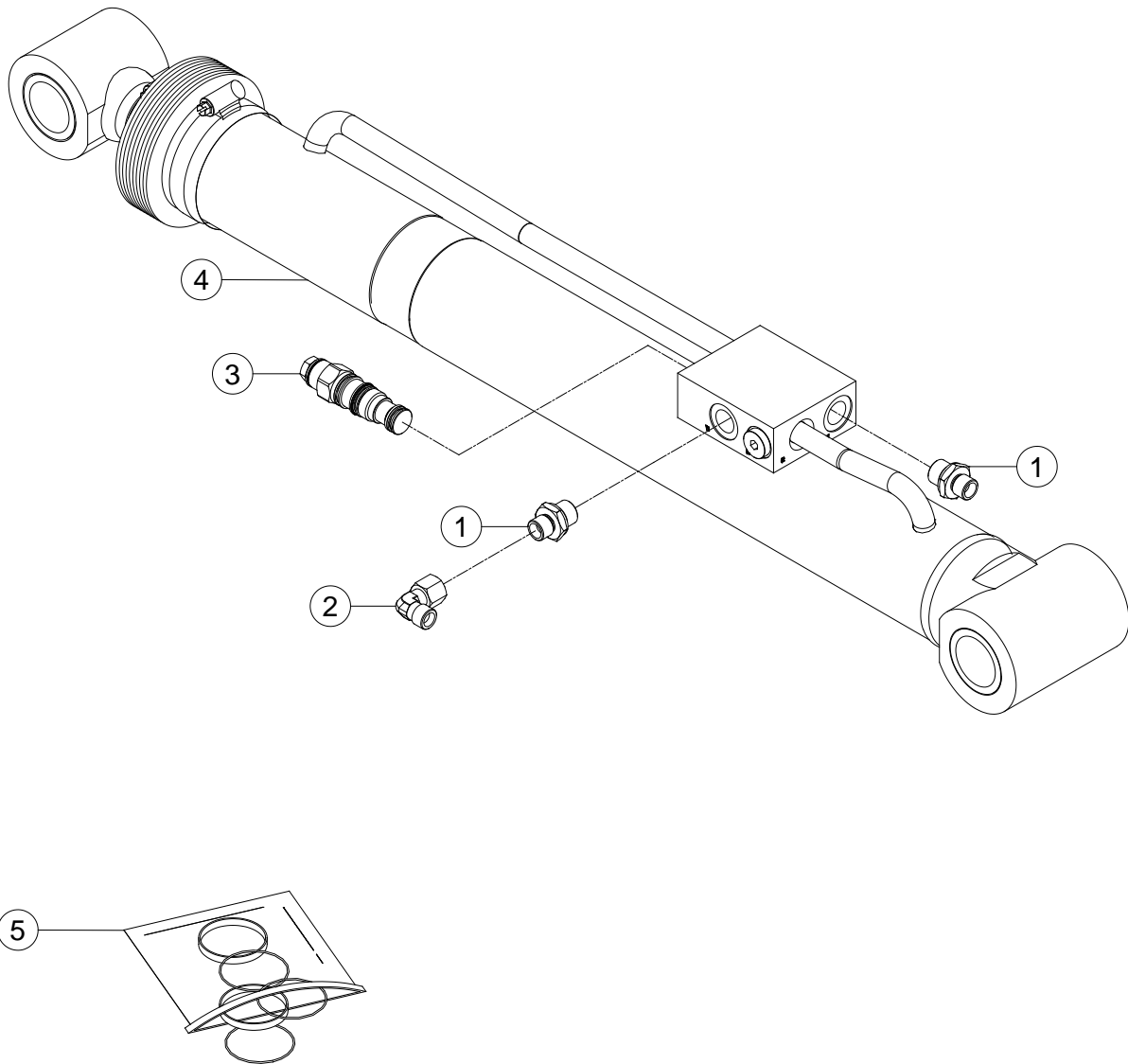


Figure 5-6 Jib Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00002921	Fitting, Straight	2	
2	00001832	Fitting, 90°	1	
3	00003419	Cartridge, Valve (Counterbalance)	1	
4	50000086	Jib Cylinder Assembly	1	
5	50003164	Seal Kit 63/40	1	

Figure 5-7 Right Axle Lockout Cylinder Assembly

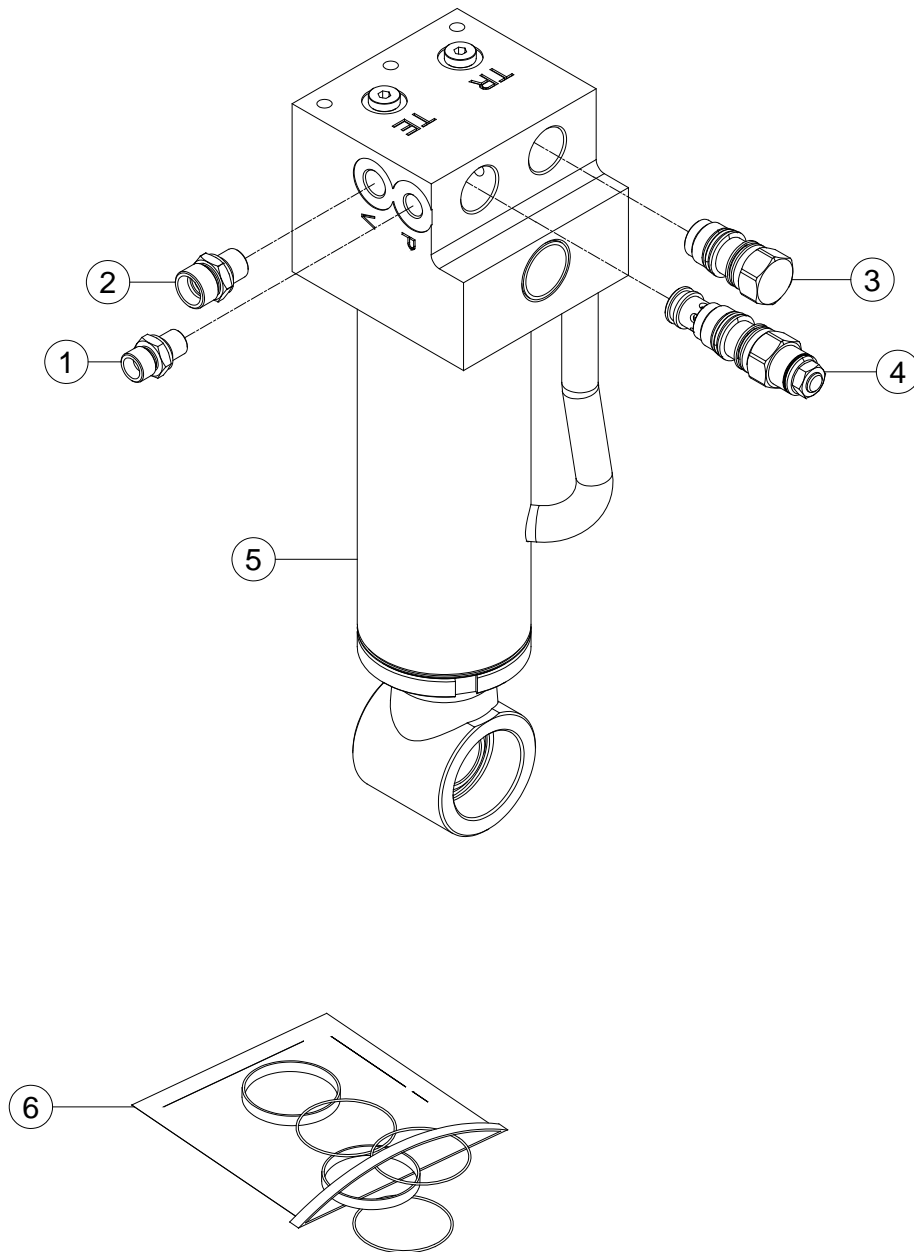


Figure 5-7 Right Axle Lockout Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00001271	Fitting, Straight	1	
2	00001261	Fitting, Straight	1	
3	00003695	Plug	1	
4	00003628	Cartridge, Valve (Counterbalance)	1	
5	50000092	Right Axle Lockout Cylinder Assembly	1	
6	50003222	Seal Kit 63/45	1	

Figure 5-8 Left Axle Lockout Cylinder Assembly

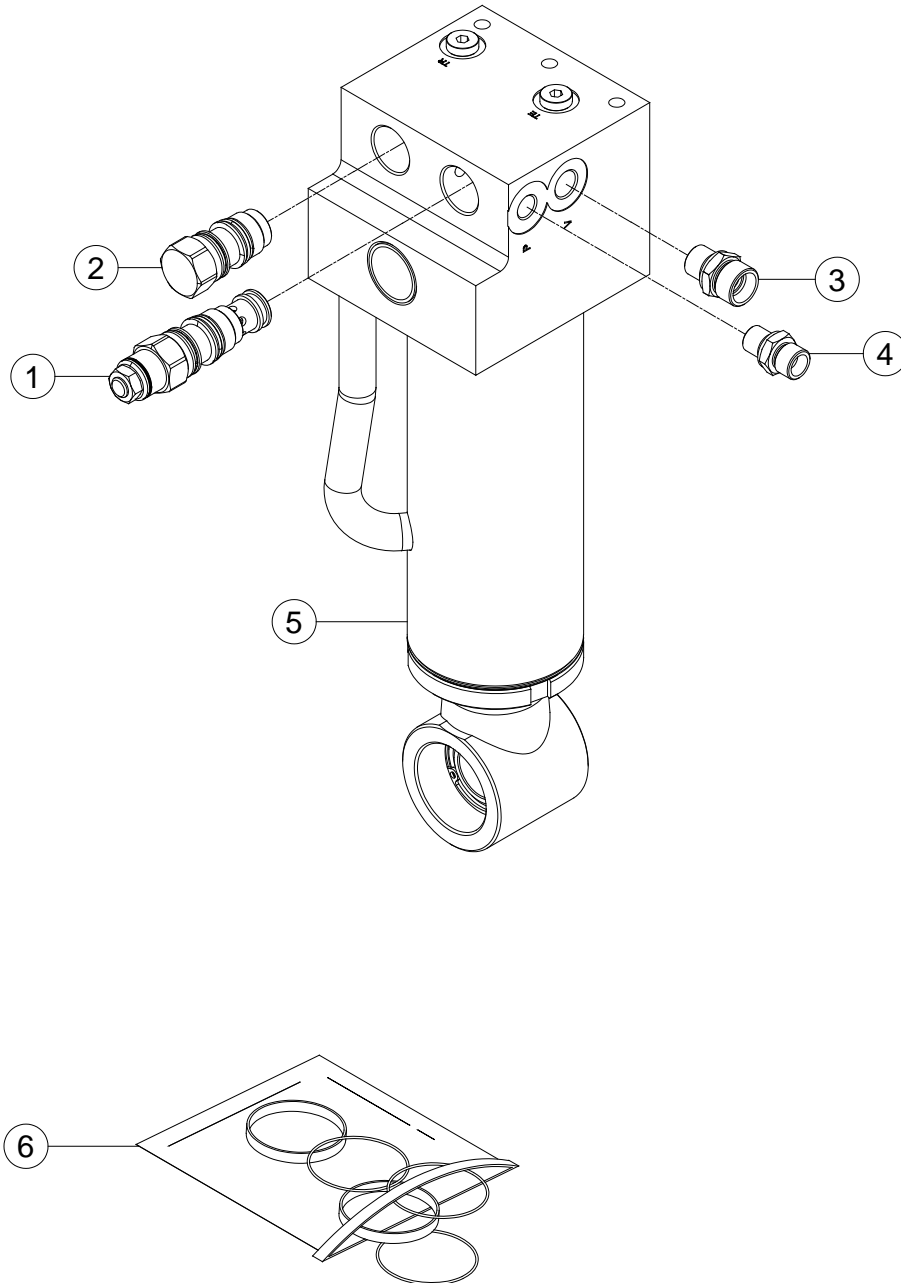


Figure 5-8 Left Axle Lockout Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00003628	Cartridge, Valve (Counterbalance)	1	
2	00003695	Plug	1	
3	00001261	Fitting, Straight	1	
4	00001271	Fitting, Straight	1	
5	50000093	Left Axle Lockout Cylinder Assembly	1	
6	50003222	Seal Kit 63/45	1	

Figure 5-9 Steer Cylinder Assembly

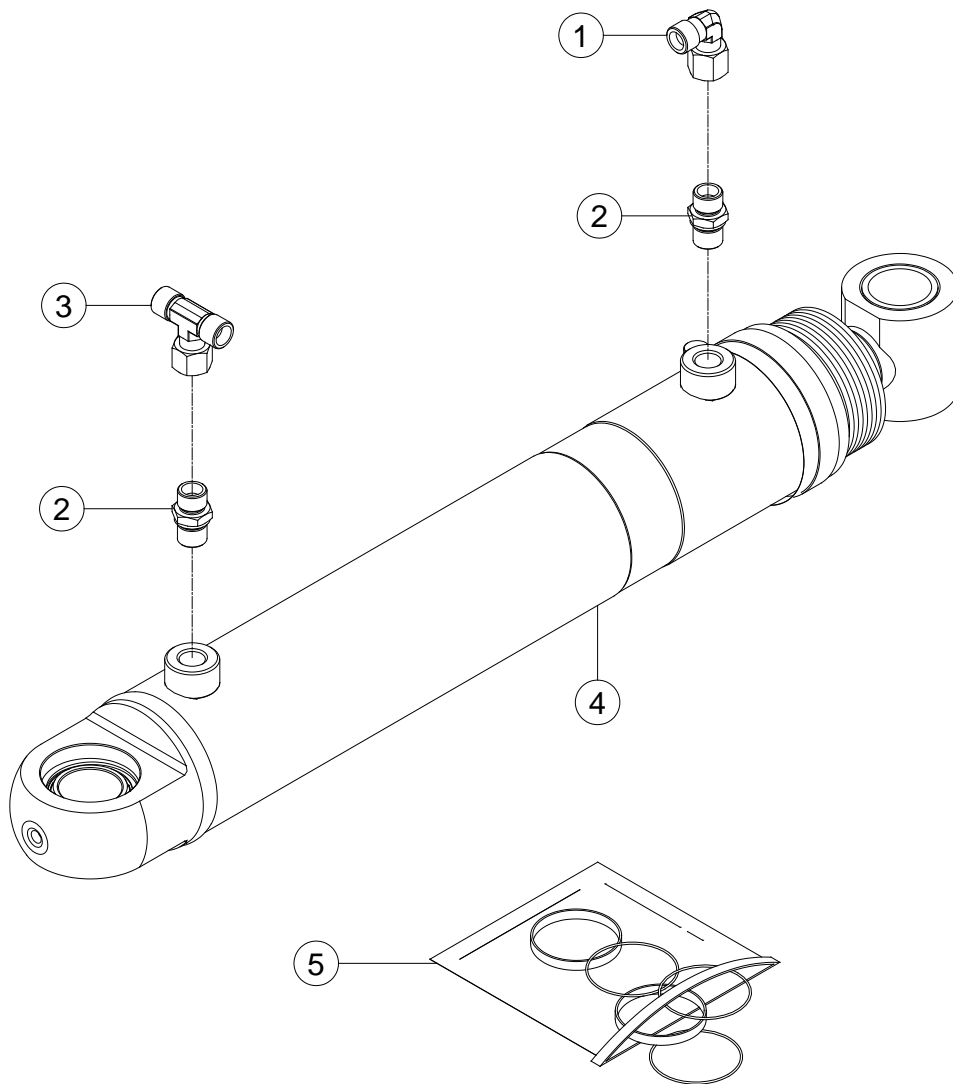


Figure 5-9 Steer Cylinder Assembly

Item	Part Number	Description	Qty.	Remark
1	00001832	Fitting, 90°	1	
2	00001282	Fitting, Straight	2	
3	00001237	Fitting, Tee	1	
4	50000094	Steer Cylinder Assembly	1	
5	50003176	Seal Kit 63/28	1	

Hydraulic

Section 6

Figure 6-1 Chassis Circuit

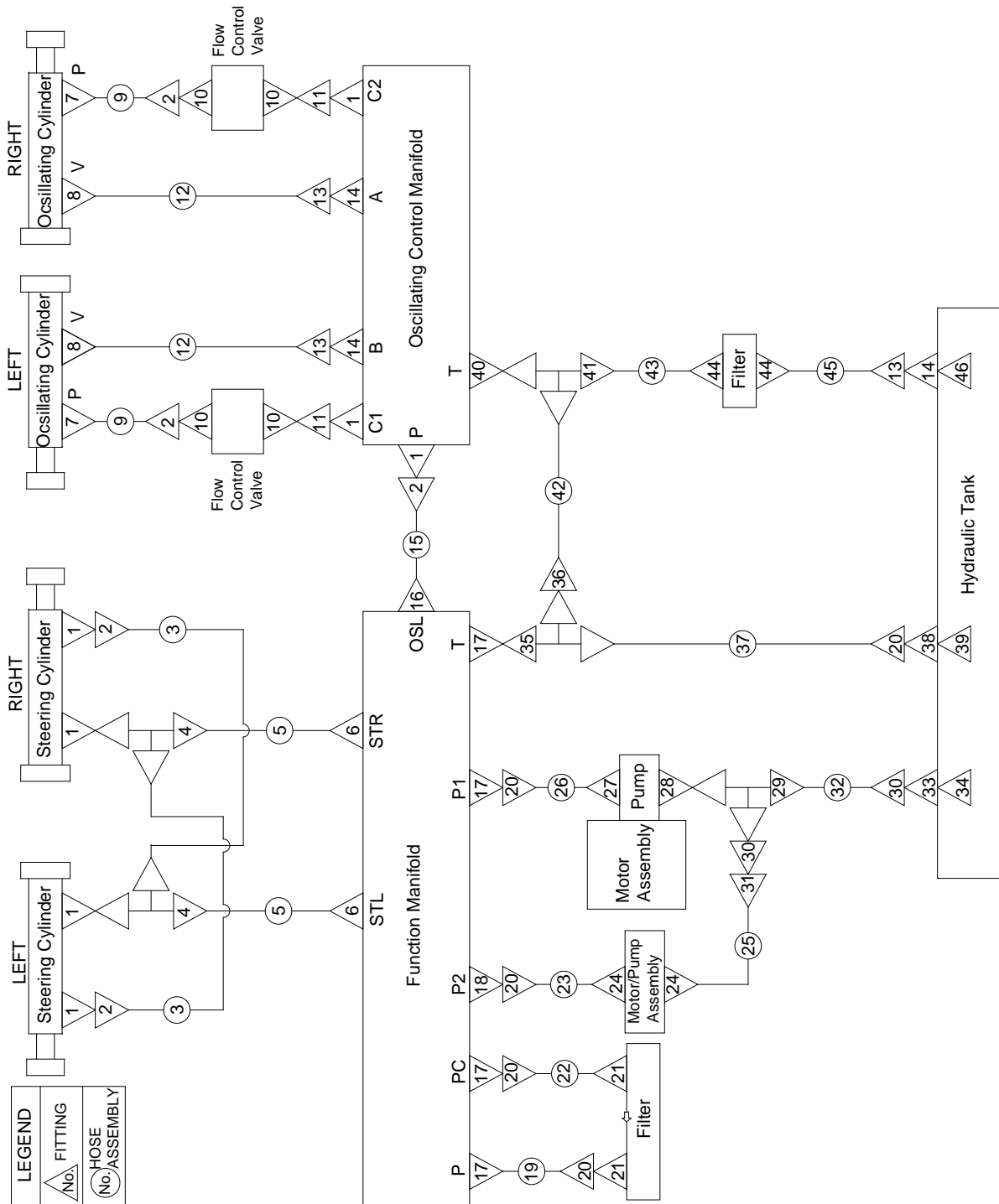


Figure 6-1 Chassis Circuit

Item	Part Number	Description	Qty.	Remark
1	00001282	Fitting, Straight	7	
2	00001832	Fitting, 90°	5	
3	50003286	Hose Assembly	2	
4	00002118	Fitting, Tee	2	
5	50005174	Hose Assembly	2	
6	00005693	Fitting, Straight	2	
7	00001271	Fitting, Straight	2	
8	00001261	Fitting, Straight	2	
9	50003275	Hose Assembly	2	
10	00001316	Fitting, Straight	4	
11	00005208	Fitting, Straight	2	
12	50003257	Hose Assembly	2	
13	00001834	Fitting, 90°	3	
14	00001262	Fitting, Straight	3	
15	50003305	Hose Assembly	1	
16	00002921	Fitting, Straight	1	
17	00001266	Fitting, Straight	4	
18	00003983	Fitting, 45°	1	
19	50005179	Hose Assembly	1	
20	00001835	Fitting, 90°	5	
21	00002069	Fitting, Straight	2	
22	50005178	Hose Assembly	1	
23	50005176	Hose Assembly	1	
24	00001507	Fitting, Straight	2	
25	50005177	Hose Assembly	1	
26	50003626	Hose Assembly	1	
27	00001776	Fitting, Straight	1	
28	00001780	Fitting, Straight	1	
29	00001241	Fitting, Tee	1	

Figure 6-1 Chassis Circuit (Continued)

Item	Part Number	Description	Qty.	Remark
30	00001836	Fitting, 90°	2	
31	00005691	Fitting, Straight	1	
32	50003147	Hose Assembly	1	
33	00001269	Fitting, Straight	1	
34	00000519	Strainer, Suction	1	
35	00001240	Fitting, Tee	1	
36	00003843	Fitting, Straight	1	
37	50004557	Hose Assembly	1	
38	00002945	Fitting, Straight	1	
39	00000516	Filter, Return Oil	1	
--	00003660	Strainer	1	
--	00003661	Seal Kit for 00000516 Filter	1	
40	00001263	Fitting, Straight	1	
41	00001239	Fitting, Tee	1	
42	50004609	Hose Assembly	1	
43	50005180	Hose Assembly	1	
44	00001505	Fitting, Straight	2	
45	50005181	Hose Assembly	1	
46	00000518	Strainer, Suction	1	

Figure 6-2 Functional Circuit

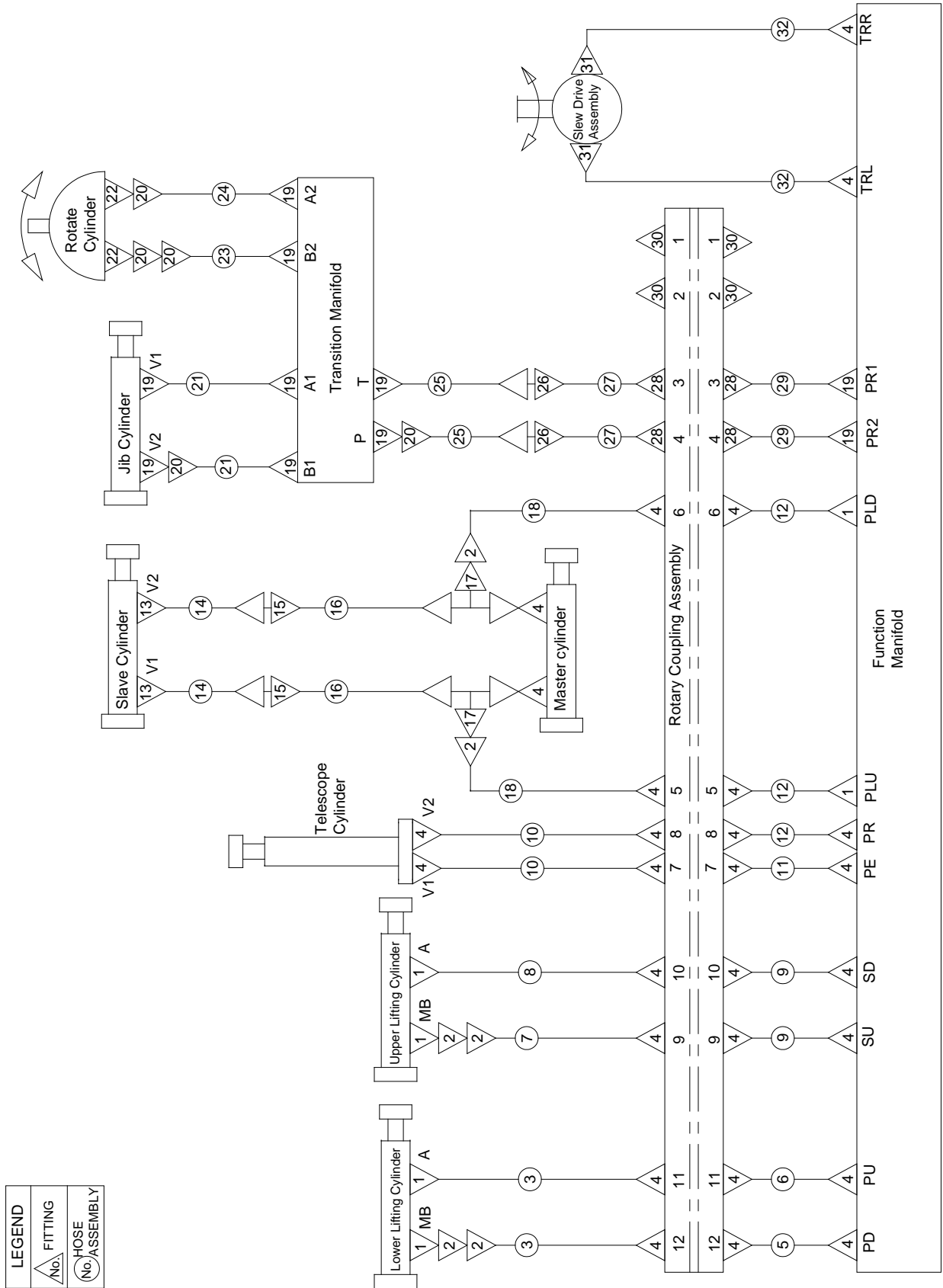


Figure 6-2 Functional Circuit

Item	Part Number	Description	Qty.	Remark
1	00001291	Fitting, Straight	6	
2	00001833	Fitting, 90°	6	
3	50003117	Hose Assembly	2	
4	00001292	Fitting, Straight	28	
5	50003149	Hose Assembly	1	
6	50003148	Hose Assembly	1	
7	50003276	Hose Assembly	1	
8	50003277	Hose Assembly	1	
9	50003283	Hose Assembly	2	
10	50003262	Hose Assembly	2	
11	50003259	Hose Assembly	1	
12	50003260	Hose Assembly	3	
13	00001290	Fitting, Straight	2	
14	50003268	Hose Assembly	2	
15	00002136	Fitting, Bulkhead, Straight	2	
16	50003266	Hose Assembly	2	
17	00002119	Fitting, Tee	2	
18	50003264	Hose Assembly	2	
19	00002921	Fitting, Straight	10	
20	00001832	Fitting, 90°	5	
21	50003272	Hose Assembly	2	
22	00001769	Fitting, Straight	2	
23	50003275	Hose Assembly	1	
24	50003274	Hose Assembly	1	
25	50003288	Hose Assembly	2	
26	00002135	Fitting, Bulkhead, Straight	2	
27	50003270	Hose Assembly	2	
28	00001282	Fitting, Straight	4	
29	50003281	Hose Assembly	2	

Figure 6-2 Functional Circuit (Continued)

Item	Part Number	Description	Qty.	Remark
30	00001073	Plug VST114x1.5ED	4	
31	00002946	Fitting, Straight	2	
32	50005182	Hose Assembly	2	

Electrical

Section 7

Figure 7-1 Harness Components Installation

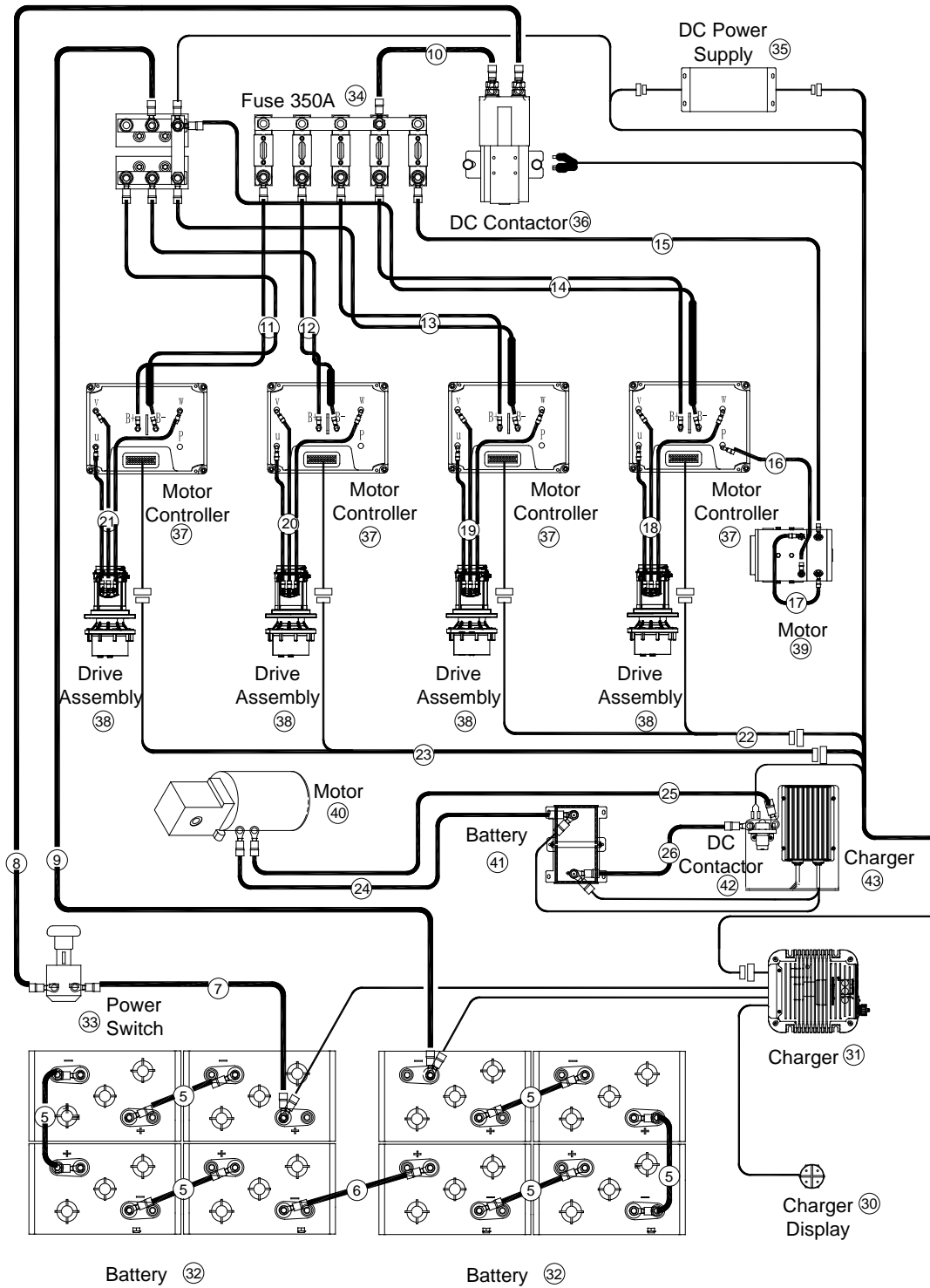


Figure 7-1 Harness Components Installation (Continued)

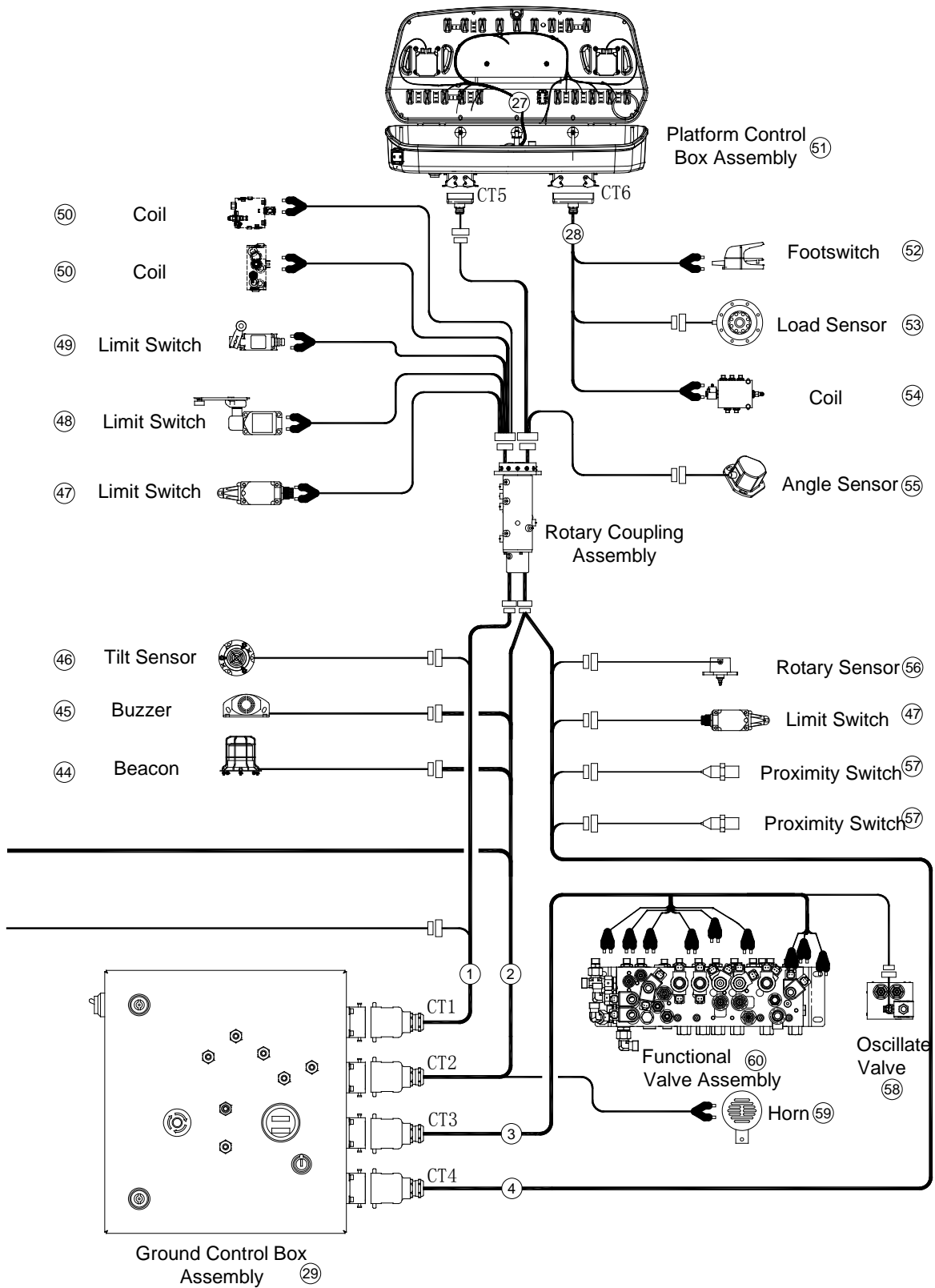


Figure 7-1 Harness Components Installation

Item	Part Number	Description	Qty.	Remark
1	00002906	CT1 Harness	1	
2	00005428	CT2 Harness	1	
3	00005426	CT3 Harness	1	
4	00002911	CT4 Harness	1	
5	00005441	Battery Harness 1	6	
6	00005442	Battery Harness 2	1	
7	00004616	Battery positive Harness	1	
8	00004617	Contactora Harness	1	
9	00004618	Battery negative Harness	1	
10	00004619	Fuse Harness	1	
11	00004622	Motor controller power harness 3	1	
12	00004623	Motor controller power harness 4	1	
13	00004620	Motor controller power harness 1	1	
14	00004621	Motor controller power harness 2	1	
15	00004624	Pump motor positive harness	1	
16	00004625	Pump motor negative harness	1	
17	00004626	Pump motor harness	1	
18	00004628	Drive motor harness 2	1	
19	00004627	Drive motor harness 1	1	
20	00004630	Drive motor harness 4	1	
21	00004629	Drive motor harness 3	1	
22	00005429	Motor controller harness 1	1	
23	00005430	Motor controller harness 2	1	
24	00005438	AUX. Pump negative harness	1	
25	00005440	AUX. Pump positive harness	1	
26	00005439	AUX. Pump/Contactora harness	1	
27	00002598	Platform Control Box Assembly Harness	1	
28	00005157	CT6 Harness	1	

Figure 7-1 Harness Components Installation (Continued)

Item	Part Number	Description	Qty.	Remark
29		Ground Control Box Assembly (See Figure 1-7 for Breakdown)	1	
30	00000652	Display, Charger	1	
31	00000636	Charger	1	Option
	00005371	Charger	1	
32	00000637	Battery	8	Option
	00006103	Battery	2	
33	00000655	Power Switch	1	
34	00000758	Fuse 350A	5	
35	00002888	DC Power Supply	1	
36	00002221	DC Contactor	1	
37	00000641	Motor Controller	4	
38	00000526	Drive Motor Assembly	4	
--	00003669	Motor	1	
--	00003670	Reducer	1	
--	00003671	Brake	1	
39	00001304	Motor	1	
40	90005017	Auxiliary Pump	1	
41	00004485	Battery	1	
42	00002205	DC Contactor	1	
43	00006067	Charger	1	
44	00004757	Flashing Beacon	1	
45	00004438	Buzzer	1	
46	00000642	Sensor, Tilt	1	
47	00000750	Limit Switch, Tower Lift Up / Orientation	2	
48	00000749	Limit Switch, Tower Lift Down	1	
49	00000748	Limit Switch, Main Retract	1	
50	00002037	Coil	2	
51		Platform Control Box Assembly (See Figure 4-3 for Breakdown)	1	

Figure 7-1 Harness Components Installation (Continued)

Item	Part Number	Description	Qty.	Remark
52	00000656	Footswitch	1	
53	00000646	Sensor, Load	1	
54	00002043	Coil 6306012, Directional Valve	1	
55	00000643	Sensor, Angle	1	
56	00005082	Sensor, Rotary	1	
57	00000751	Switch, Proximity	2	
58	00003030	Oscillate Valve (<i>See Figure 1-18 for Breakdown</i>)	1	
59	00000666	Horn	1	
60	00005466	Function Valve Assembly (<i>See Figure 1-16 for Breakdown</i>)	1	

Decals

Section 8

Figure 8-1 Decals Installation

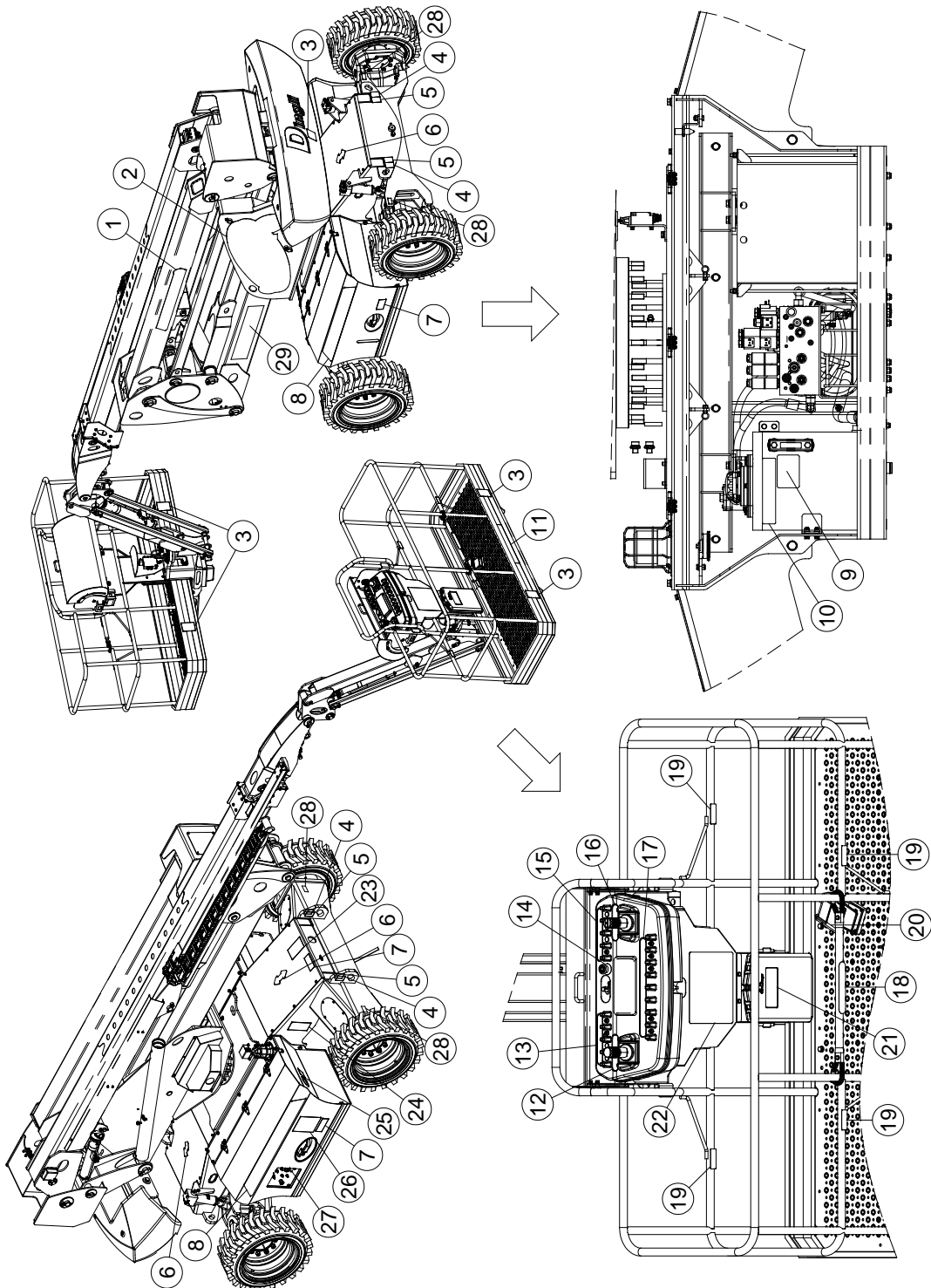


Figure 8-1 Decals Installation

Item	Part Number	Description	Qty.	Remark
1	09930005	Decal, Label-BA18J-E	1	
2	09920004	Decal, Label-BA18J-E	1	
3	09420005	Decal, Warning- Collision hazard	5	
4	09310050	Decal, Instructions-Tie down point	4	
5	09310049	Decal, Instructions-Lift point	4	
6	09310051	Decal, Instructions-Directional arrows	2	
7	09410032	Decal, Warning-Explosion/fire hazard	3	
8	09910010	Decal, Label-BA18J-E	2	
9	09310223	Decal, Instructions-Oil level	1	
10	09310054	Decal, Instructions-Hydraulic	1	
11	09440055	Decal, Label-Capacity 230kg	1	
12	09140009	Decal, Platform control panel	1	
13	09140007	Decal, Platform control panel	1	
14	09140012	Decal, Emergency stop panel	1	
15	09140008	Decal, Platform control panel	1	
16	09140010	Decal, Platform control panel	1	
17	09140011	Decal, Platform control panel	1	
18	09340016	Decal, Instructions-Open/close	1	
19	09440059	Decal, Label-Lanyard anchorage point	4	
20	09440057	Decal, Warning-Footswitch	1	
21	09340001	Decal, Notice-Keep the manual with the machine	1	
22	09440061	Decal, Danger-General safety rules	1	
23	09310056	Decal, Notice-Battery charging instructions	1	
24	09210016	Nameplate, Manufacturer serial number	1	
25	09310006	Decal, Notice-Main power switch operation	1	
26	09410034	Decal, Warning-Electrocution hazard	1	
27	09110028	Decal, Ground control panel	1	
28	09310205	Decal, Instructions-Maximum wheel load 4300kg	4	

Figure 8-1 Decals Installation(Continued)

Item	Part Number	Description	Qty.	Remark
29	09930004	Decal, Label-Apollo	1	

Figure 8-1 Decals Installation (Continued)

① 09930005

③ 09420005

④ 09310050

⑤ 09310049

⑥ 09310051

⑧ 09910010

⑩ 09310054

⑪ 09440055

⑮ 09140008

⑯ 09140010

⑰ 09140011

⑲ 09440059

⑳ 09440057

㉑ 09340001

㉒ 09440061

② 09920004

⑦ 09410032

⑫ 09140009

⑭ 09140012

⑬ 09140007

⑳ 09410034

㉓ 09110028

㉔ 09210016

㉕ 09310205

Apollo