



Service and Parts Manual SPM-627A

TRUCK MODEL
CSM 7/10/15

**ALWAYS GIVE TRUCK SERIAL
NUMBER WHEN ORDERING PARTS**



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Cylinder Assembly Parts List

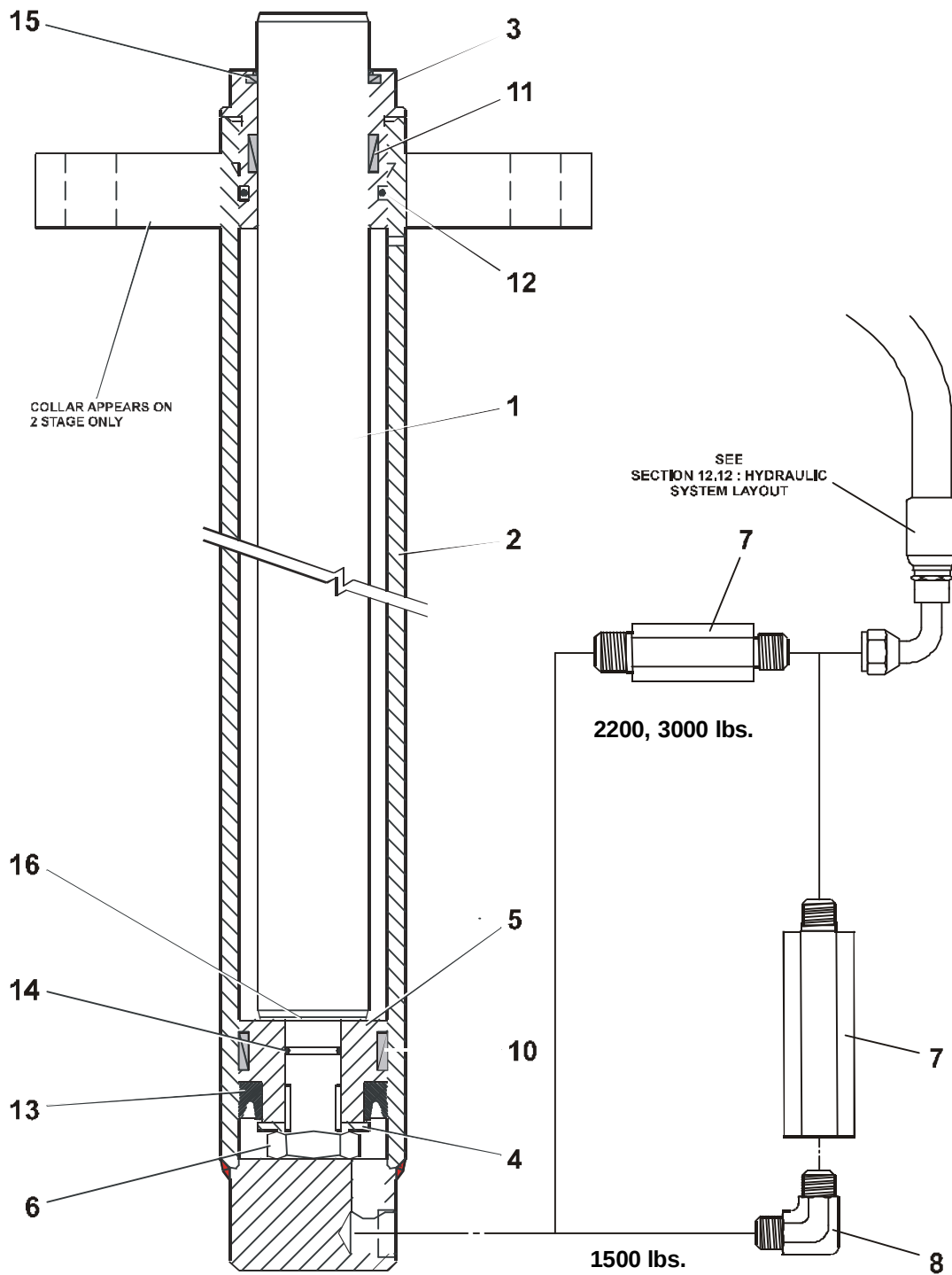


Figure 10 : Hydraulic Cylinder Assembly

Cylinder Assembly Parts List

Item	Qty	Part No	General Description	Specific Description
9*	1	783-535	Kit, Seal - 2" Dia (Includes Items 10-16)	1500 / 2200 / 3000
9*	1	783-538	Kit, Seal - 2-1/2" Dia. (Incl. Items 10-16)	2200 / 3000 - 1 Stage
9*	1	783-550	Kit, Seal - 2-1/2" Dia. (Incl. Items 10-16)	2200 / 3000 - 2 Stage
10	1	036-152	Ring, Wear - 2"	1500
10	1	036-153	Ring, Wear - 2-1/2"	2200 / 3000
11	1	036-143	Ring, Wear - (1-1/2" Rod)	1500 / 2200 / 3000-1 Stg
11	1	036-150	Ring, Wear - (2" Rod)	2200 / 3000 – 2 Stg
12	1	036-134	"O"-Ring - 2"	1500
12	1	036-133	"O"-Ring - 2-1/2"	2200 / 3000
13	1	036-118	"U"-Cup - 2"	1500 / 2200 / 3000-1 Stg
13	1	036-119	"U"-Cup - 2-1/2"	2200 / 3000 – 2 Stg
14	1	036-108	"O"-Ring	1500 / 2200 / 3000
15	1	036-098	Wiper, Rod - (1-1/2" Rod)	1500 / 2200 / 3000-1 Stg
15	1	036-021	Wiper, Rod - (2" Rod)	2200 / 3000 – 2 Stg
16	1	118-368	Gasket - (1-1/2" Rod)	1500 / 2200 / 3000-1 Stg
16	1	117-993	Gasket - (2" Rod)	2200 / 3000 – 2 Stg

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12.6 Power Pack Assembly

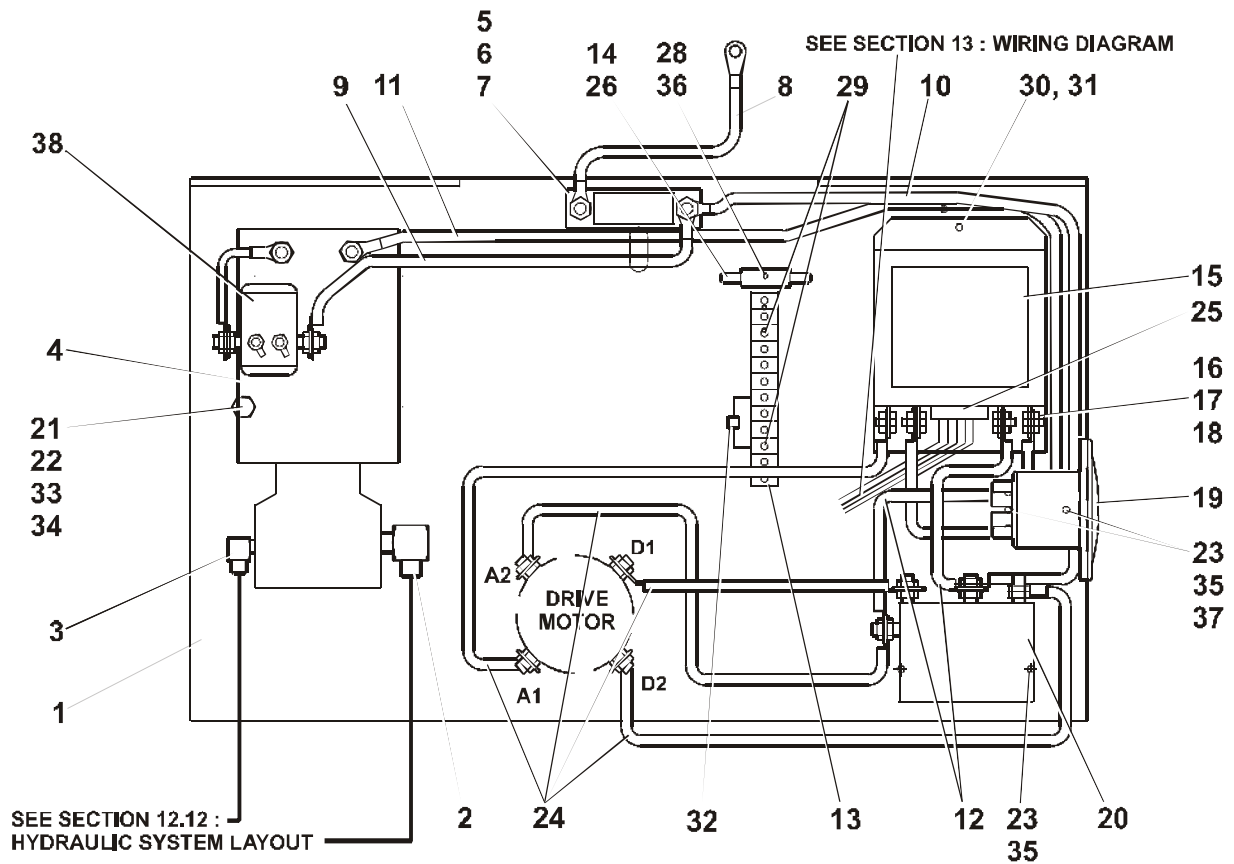


Figure 11 : Power Pack Assembly

Item	Qty	Part No.	General Description	Specific Description
-	-	165-5006	Ass'y, Power Pack Control Panel (Rev. F)	1500 / 2200 / 3000
1	1	162-0018	Panel, Steel 12 Gauge - Power Pack	1500 / 2200 / 3000
2	1	034-602	Fitting, Elbow 90° - 3/4"-16MJ - 1/4"-18MP	1500 / 2200 / 3000
3	1	034-511	Fitting, Elbow 90° - 5 - 4	1500 / 2200 / 3000
4	1	033-105	Assembly, Pump and Motor	1500 / 2200 / 3000
5	1	783-424	Holder, Fuse	1500 / 2200 / 3000
6	1	026-175	Fuse, Power - 100A ACK	1500 / 2200 / 3000
7	1	011-039	Capscrew, Screw, Flat Socket - 1/4"-20 X 1"	1500 / 2200 / 3000
8	1	780-481-2	Cable, #4, 20" LG. 2-5/16" Studs (780-481)	1500 / 2200 / 3000
9	1	780-246	Cable, #4, 12" LG. 2-5/16" Studs (780-481)	1500 / 2200 / 3000
10	1	165-5010-1	Cable, #4, 23" LG. 1-3/8"(116-163), 1-5/16" Stud	1500 / 2200 / 3000
11	1	165-5010-2	Cable, #4, 34" LG. 1-3/8"(116-163), 1-5/16" Stud	1500 / 2200 / 3000
12	2	165-5010	Cable, #4, 9" LG. 1-3/8"(116-163), 1-5/16" Stud	1500 / 2200 / 3000
13	1	030-091	Strip, Terminal (12 Pole)	1500 / 2200 / 3000

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Power Pack Assembly Parts List

Item	Qty	Part No.	General Description	Specific Description
14	1	026-211	Holder, Fuse	1500 / 2200 / 3000
15	1	026-507-1	Controller, 24V	1500 / 2200 / 3000
16	3	010-037	Capscrew, Hex - 5/16" -18 X 3/4"	1500 / 2200 / 3000
17	3	011-502	Nut, Hex - 5/16"-18 x 3/4" LG.	1500 / 2200 / 3000
18	3	012-200	Washer, Lock - 5/16"	1500 / 2200 / 3000
19	1	032-458	Horn, 24V	1500 / 2200 / 3000
20	1	025-974	Contactor, Fwd/Rev – 24V	1500 / 2200 / 3000
21	4	010-039	Capscrew, Hex - 3/8"-16 x 1" LG.	1500 / 2200 / 3000
22	8	012-211	Washer, Flat 5/16"	1500 / 2200 / 3000
23	4	011-008	Screw, Machine R/H Slot -#10-32 X 3/8" LG.	1500 / 2200 / 3000
24	4	116-163	Cable, #4 - 36" LG.	1500 / 2200 / 3000
25	1	026-513	Harness, Wiring - 10 Wire, 18 GA x 19" LG.	1500 / 2200 / 3000
26	1	026-146	Fuse, Control - 6A - 1/4" x 1-1/4" - Glass	1500 / 2200 / 3000
27	1	030-032	Clip, "P" - #3	1500 / 2200 / 3000
28	1	011-002	Screw, Machine R/H Slot - #6-32 X 1/2"	1500 / 2200 / 3000
29	2	011-003	Screw, Machine R/H Slot - #6-32 X 1"	1500 / 2200 / 3000
30	3	010-072	Capscrew, Hex - 1/4"-20 x 1/2"	1500 / 2200 / 3000
31	3	012-202	Washer, Lock - 1/4" Helical	1500 / 2200 / 3000
32	1	026-402	Diode, Wire Lead 6 Amp. - 100V	1500 / 2200 / 3000
33	4	011-507	Nut, Hex - 3/8" - 16	1500 / 2200 / 3000
34	4	012-201	Washer, Lock - 3/8" Helical	1500 / 2200 / 3000
35	4	012-225	Washer, Lock - #10 Internal Tooth	1500 / 2200 / 3000
36	1	012-223	Washer, Lock - #6 Internal Tooth	1500 / 2200 / 3000
37	2	011-516	Nut, Hex - #10 - 32	1500 / 2200 / 3000
38	1	025-717	Solenoid 24VDC	1500 / 2200 / 3000

12.7 Drive Unit Parts List

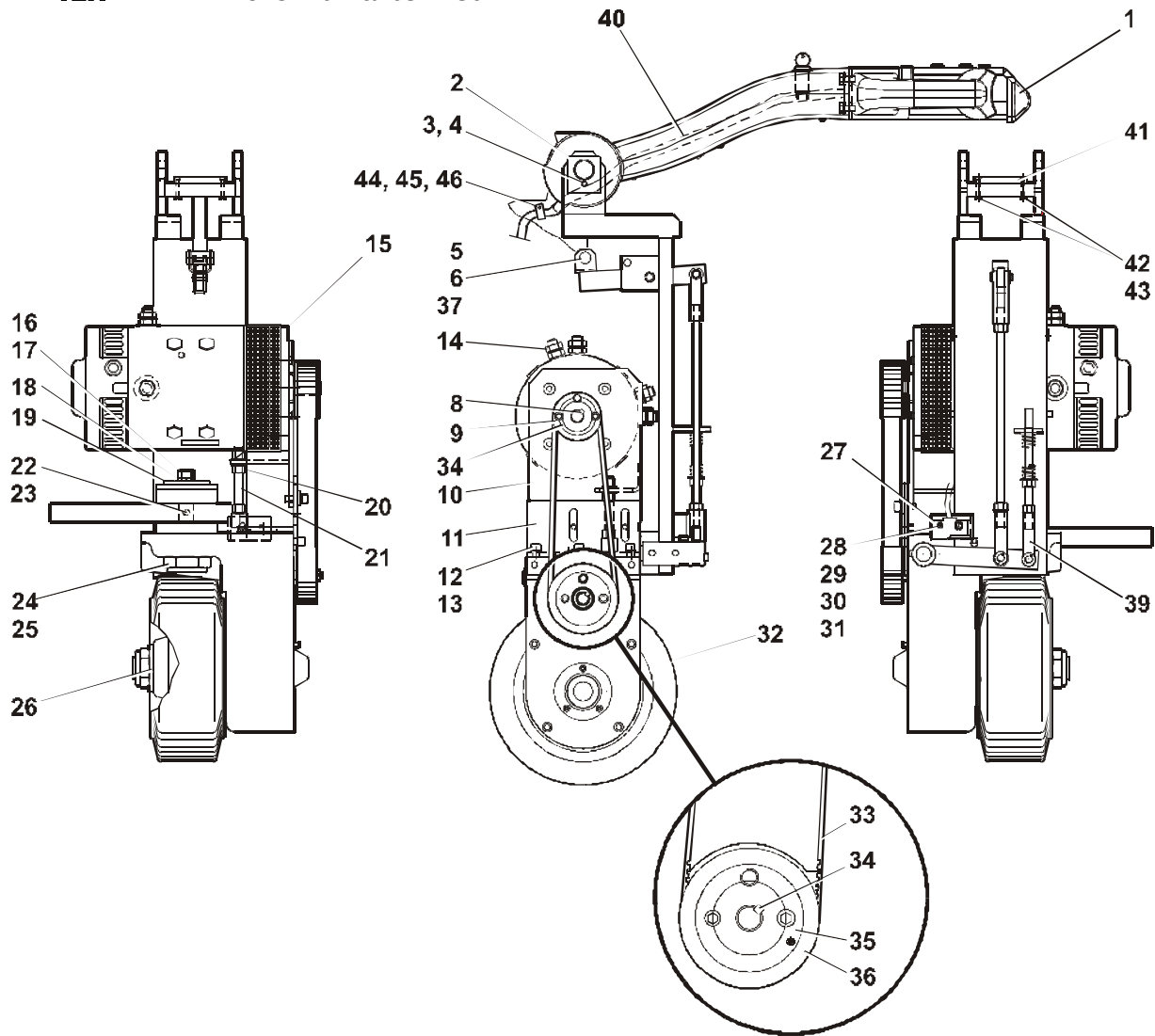


Figure 12 : Drive Unit Assembly

Item	Qty	Part No.	General Description	Specific Description
-		164-5035	Ass'y, Drive Unit	1500 / 2200 / 3000
1**	1	200-01481	Control Handle Ass'y	1500 / 2200 / 3000
2	1	200-01478	Pivot Pin Ass'y	1500 / 2200 / 3000
3	2	010-000	Capscrew, Hex 1/4"-20 X 3/4"	1500 / 2200 / 3000
4	2	012-202	Washer, Lock -1/ 4"	1500 / 2200 / 3000
5	1	164-0006	Pin, Cam Follower	1500 / 2200 / 3000
6	1	018-100	Bushing	1500 / 2200 / 3000
7	4	011-066	Capscrew, Hex Socket 5/16" -18 x 3/4"	1500 / 2200 / 3000

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Drive Unit Parts List

Item	Qty	Part No.	General Description	Specific Description
8	1	018-072	Bushing, Taperlock	1500 / 2200 / 3000
9	1	021-315	Pulley, Timing	1500 / 2200 / 3000
10	1	781-748	Bracket, Motor	1500 / 2200 / 3000
11	1	781-734	Bracket, Motor Pivot	1500 / 2200 / 3000
12	6	011-060	Capscrew, Hex Socket 5/16" -18 x 3/4"	1500 / 2200 / 3000
13	4	012-291	Washer, Lock - 5/16"	1500 / 2200 / 3000
14	4	037-021	Protector, Terminal	1500 / 2200 / 3000
15	1	907-0022	Motor, Drive - 24V-1HP	1500 / 2200 / 3000
16	1	013-005	Pin, Spring 5/32" x 1"	1500 / 2200 / 3000
17	1	010-057	Capscrew, 5/8" - 11 x 1-1/2"	1500 / 2200 / 3000
18	1	012-221	Washer, Lock - 5/8"	1500 / 2200 / 3000
19	1	120-321	Washer, Center Pin	1500 / 2200 / 3000
20	3	011-508	Nut, Hex - 1/2" - 13	1500 / 2200 / 3000
21	1	120-279	Rod, Threaded - 1/2" -13 x 3-5/8"	1500 / 2200 / 3000
22	1	019-500	Nipple, Grease	1500 / 2200 / 3000
23	1	018-507	Bearing, Cone	1500 / 2200 / 3000
24	1	120-318	Pin, Center	1500 / 2200 / 3000
25	1	011-599	Nut, Lock - 1-1/2" - 12	1500 / 2200 / 3000
26	1	111-653	Washer, Flat - 1.265"ID x 1/4" THK	1500 / 2200 / 3000
27	1	105-5001	Switch and Cable Ass'y	1500 / 2200 / 3000
28	2	011-003	Screw, Machine - #6-32 x 1"	1500 / 2200 / 3000
29	2	012-208	Washer, Flat - 3/16"	1500 / 2200 / 3000
30	2	012-223	Washer, Flat - #6 Int.Tooth	1500 / 2200 / 3000
31	2	011-514	Nut, Hex - #6 - 32	1500 / 2200 / 3000
32	1	780-864	Tire, Drive Ass'y	1500 / 2200 / 3000
33	1	021-317	Belt, Drive	1500 / 2200 / 3000
34	2	104-355	Key, Motor Shaft - 3/16" x 1"	1500 / 2200 / 3000
35	1	018-084	Bushing, Taperlock - 5/8" Shaft	1500 / 2200 / 3000
36	1	021-316	Pulley, Timing	1500 / 2200 / 3000
37	2	013-033	Ring, Retaining 5/8" OD	1500 / 2200 / 3000
38	1	030-865	Sleeve, Expandable Braided	1500 / 2200 / 3000
39**	1	164-5001	Linkage Ass'y, Brake	1500 / 2200 / 3000
40	1	164-7003	Harness	1500 / 2200 / 3000
41	1	200-01475	Bumper, Rubber	1500 / 2200 / 3000
42	2	011-181	Screw, Mach. Flat Hd - #8-32 x 1-1/4"	1500 / 2200 / 3000
43	2	011-515	Nut, Hex - #8 x 32	1500 / 2200 / 3000
44	1	30H21	Clamp, Cable - 3/8" x 1/2" Wide	1500 / 2200 / 3000
45	1	011-005	Screw, Machine Slot #8-32 x 1/2"	1500 / 2200 / 3000
46	1	012-205	Washer, Flat - #8	1500 / 2200 / 3000

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12.8 Control Handle Parts List

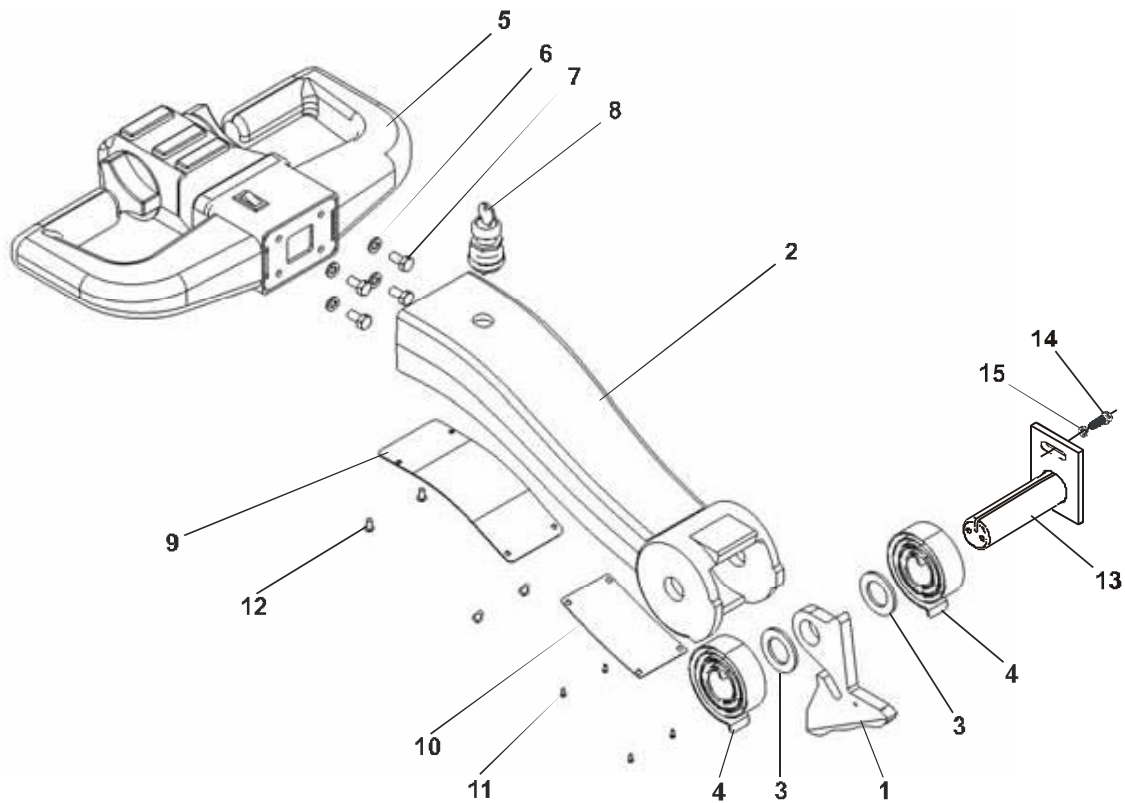


Figure 13 : Control Handle Assembly

Item	Qty	Part No.	General Description	Specific Description
-	-	200-01481	Ass'y, Control Handle	1500 / 2200 / 3000
1	1	200-01476	Cam, Machined	1500 / 2200 / 3000
2	1	200-01483	Stem, Handle Machined	1500 / 2200 / 3000
3	2	012-245	Washer, Spacer-1"IDx1-3/4"ODx1/8"THK	1500 / 2200 / 3000
4	2	017-075	Spring, Torsion – 3/32" x 3-1/16OD	1500 / 2200 / 3000
5**	1	281-9451	Ass'y, Control Handle Switch - 24V	1500 / 2200 / 3000
6	4	012-200	Washer, Lock 5/16" – Helical	1500 / 2200 / 3000
7	4	010-188	Capscrew, Hex Hd. – M8 x 16mm	1500 / 2200 / 3000
8	1	234-5332	Switch, Key #31-613	1500 / 2200 / 3000
9	1	200-00165	Plate, Handle Stem Cover	1500 / 2200 / 3000
10	1	120-0001	Plate, Vertical – Serial Number	1500 / 2200 / 3000
11	4	011-000	Screw, Type U - #4 x 5/16"	1500 / 2200 / 3000
12	4	011-010	Screw, Machine RH Slot - #10-24 x 3/8"	1500 / 2200 / 3000
13	1	200-01478	Assembly, Pivot Pin (Splined)	1500 / 2200 / 3000
14	2	010-000	Capscrew, Hex 1/4"-20 x 3/4"	1500 / 2200 / 3000
15	2	012-202	Washer, Lock -1/ 4"	1500 / 2200 / 3000

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12.9 Control Handle Switch Parts List

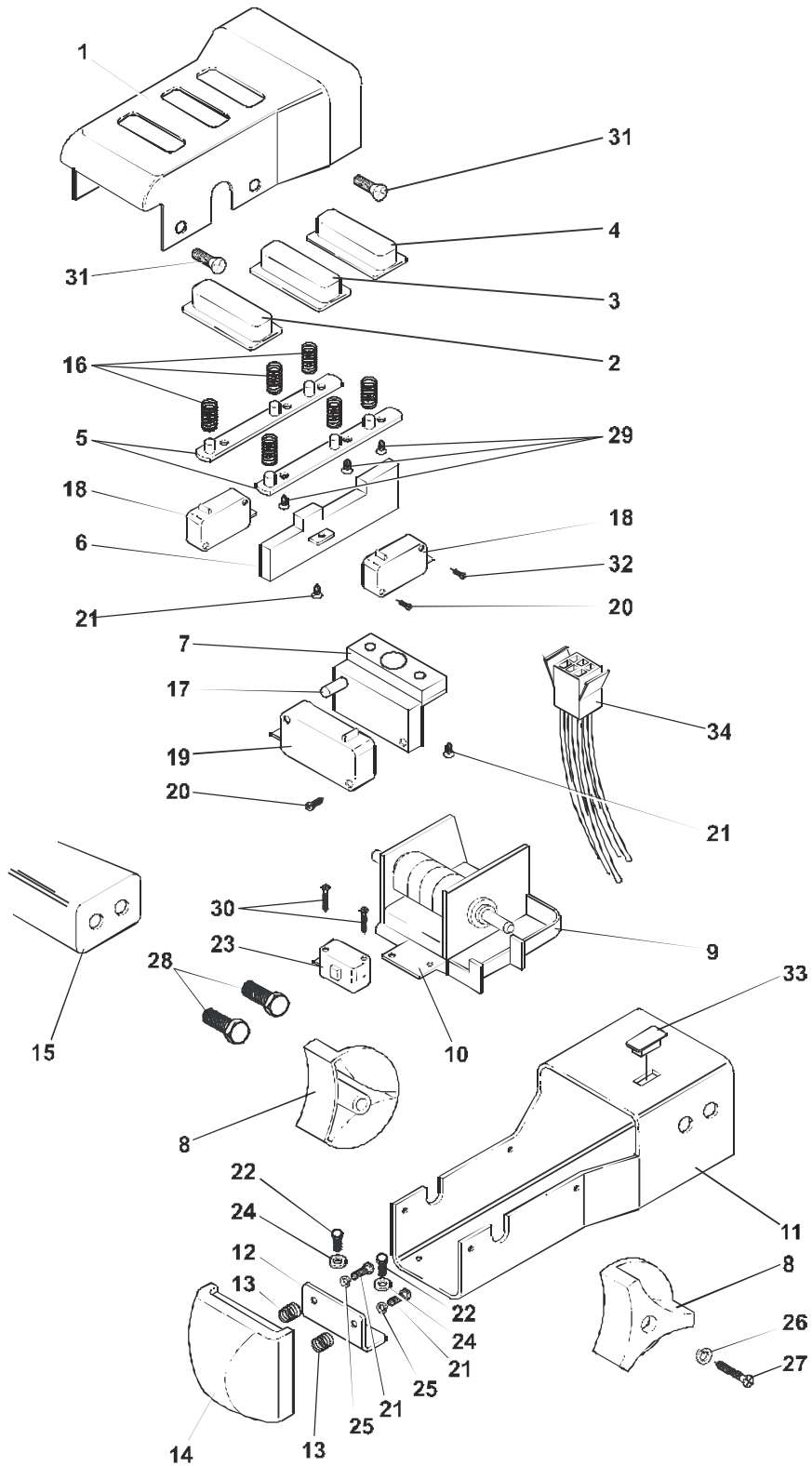


Figure 14 : Control Handle Switch Assembly