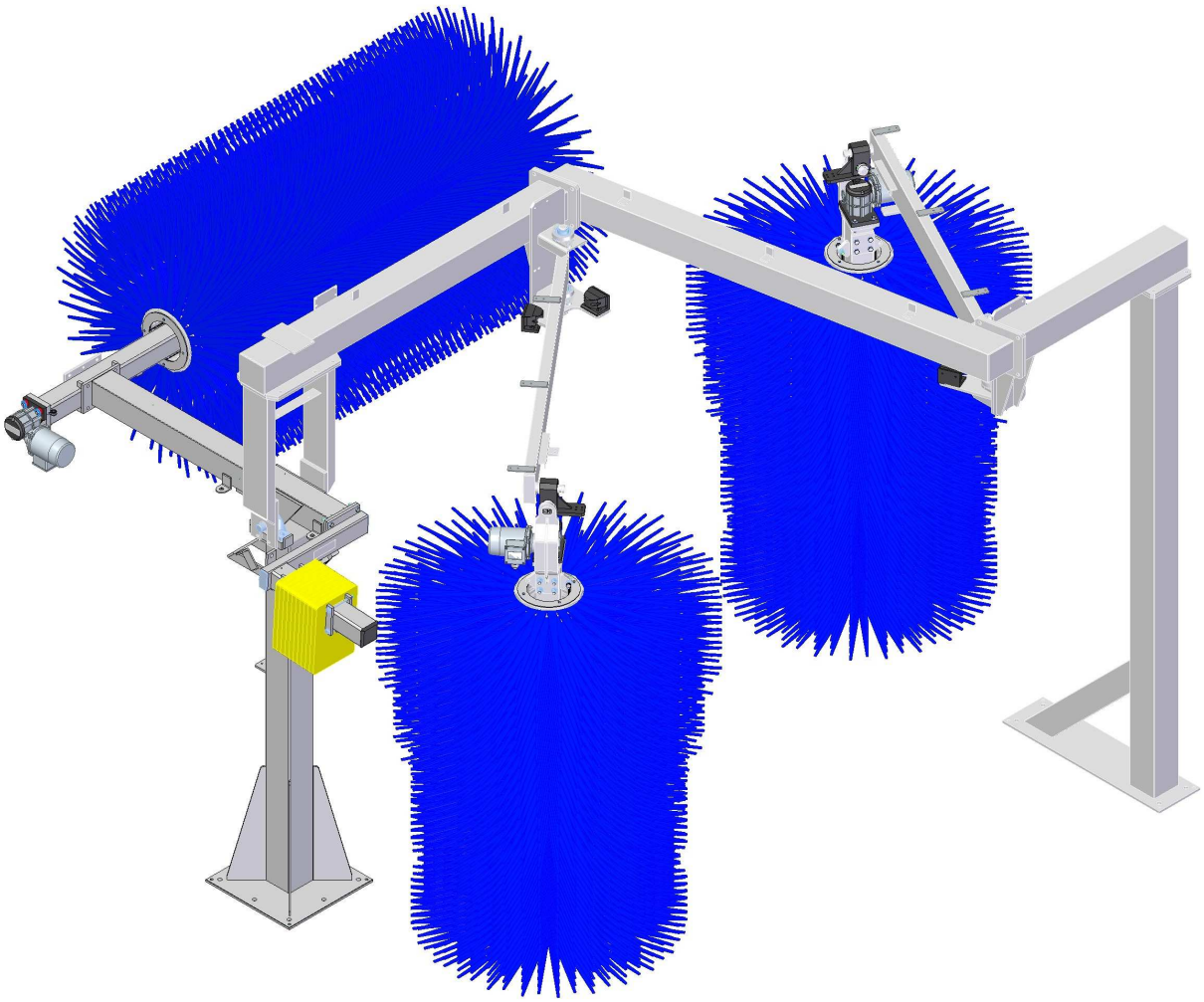
DOCUMENT #EPL-RS680-ELECTRIC

INCLUDES:

68-000-00-MP DRIVE THRU WASH TUNNEL STD.
53-HDW-00-MP KIT HARDWARE RS-1000 HORIZ. BRUSH
68-HDW-00-MP KIT HARDWARE EXPRESSLANE ASSEMBLY



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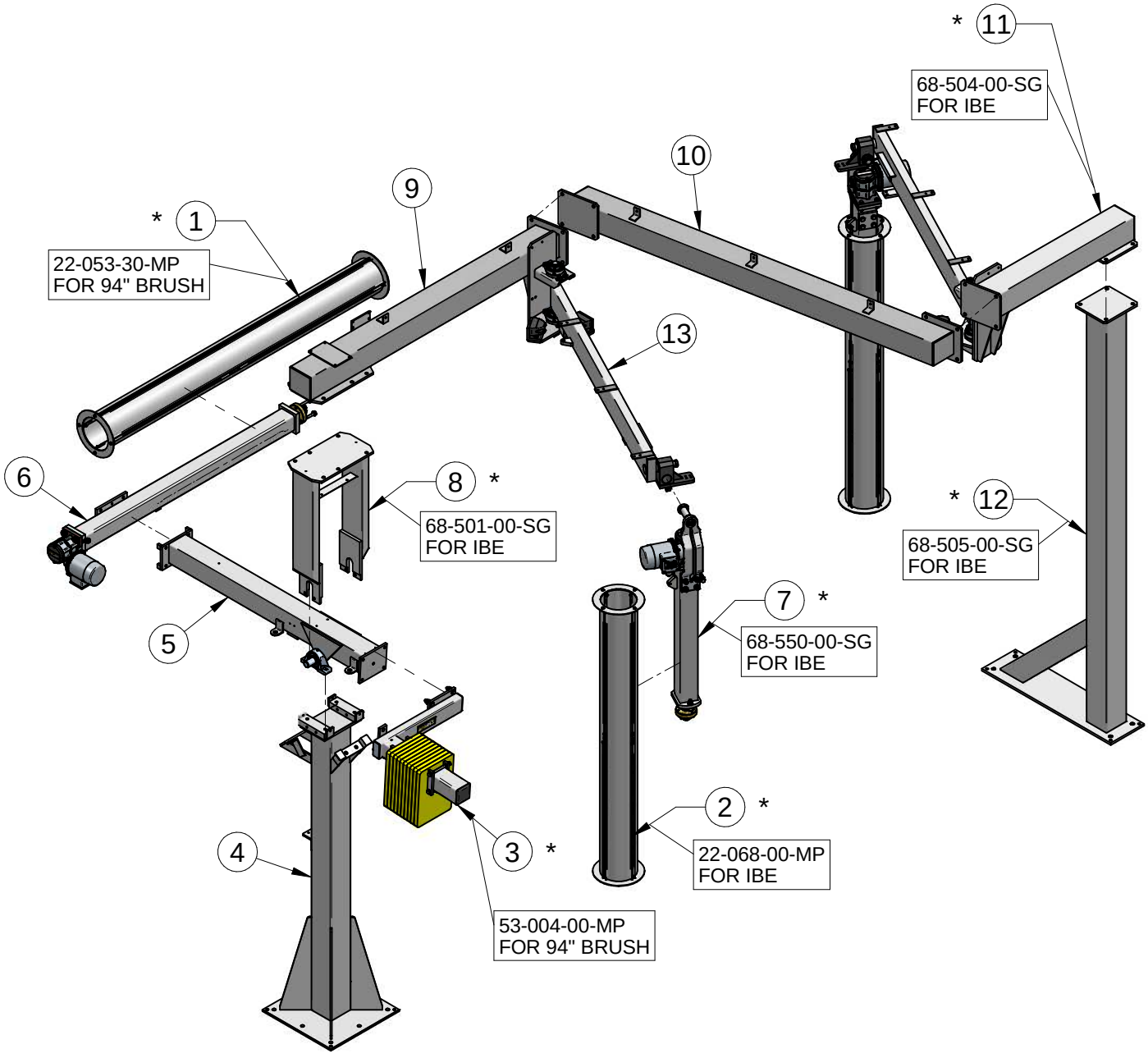
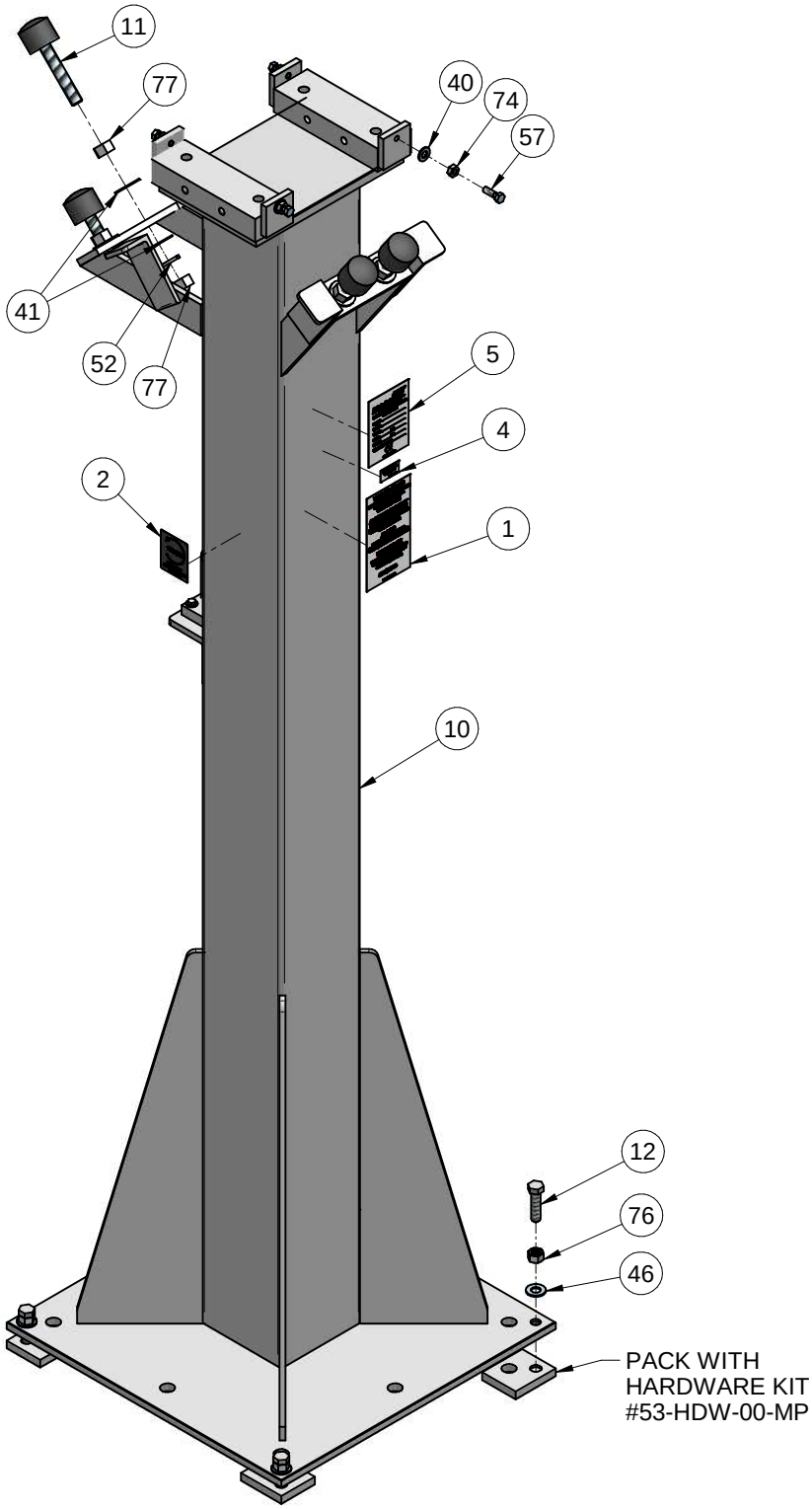
68-000-00-MP FULL SET FRAME



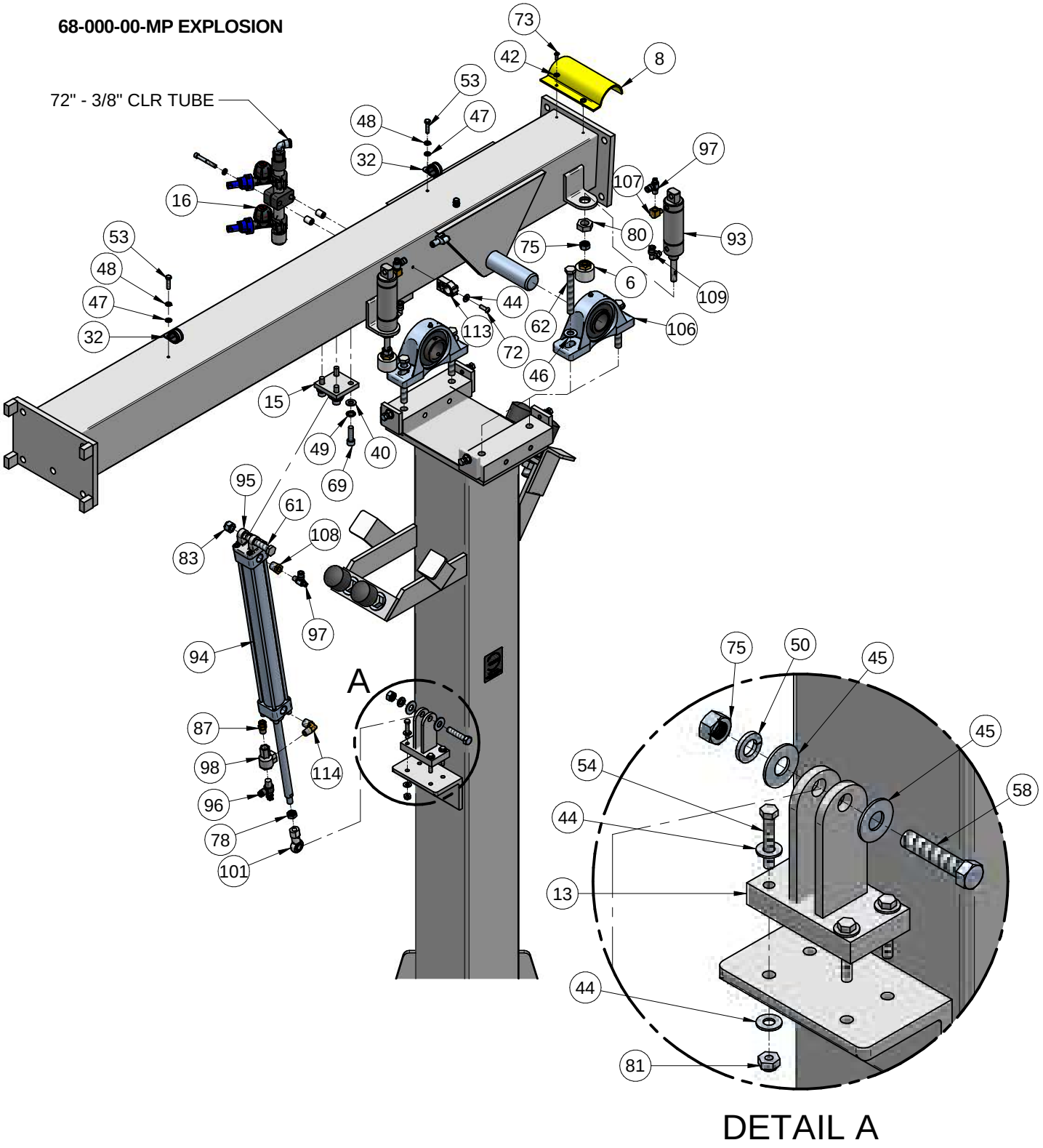
68-000-00-PM FULL SET FRAME PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	ELECTRIC RS1000 HUB/CORE/RING ASSEMBLY	22-053-10-MP	1
2	RS701 ELECTRIC HUB/CORE/RING ASSEMBLY	22-056-10-MP	2
3	RS1000 EL/HY LH COUNTER WEIGHT ELBOW	53-003-00-MP	1
4	RS1000 POST	53-100-00-SG	1
5	PIVOTING ARM WELDMENT SG	53-200-00-SG	1
6	RS1000 ELEC LH BRUSH ARM ASSEMBLY STANDARD (NO BRUSH)	53-710-10-MP	1
7	ELECTRIC DRIVE THRU VERT. ARM	56-550-00-MP	2
8	DRIVE THRU INTERMADIATE POST PC S/G	68-001-00-SG	1
9	DRIVE THRU LH BRIDGE S\G	68-002-00-SG	1
10	DRIVE THRU INTERM. BRIDGE-SILVER GREY	68-003-00-SG	1
11	DRIVE THRU RH BRIDGE SG	68-004-00-SG	1
12	DRIVE THRU RH POST SILVER GREY	68-005-00-SG	1
13	DRIVE THRU SWING ARM PC S/G	68-006-00-SG	2

68-000-00-MP EXPLOSION

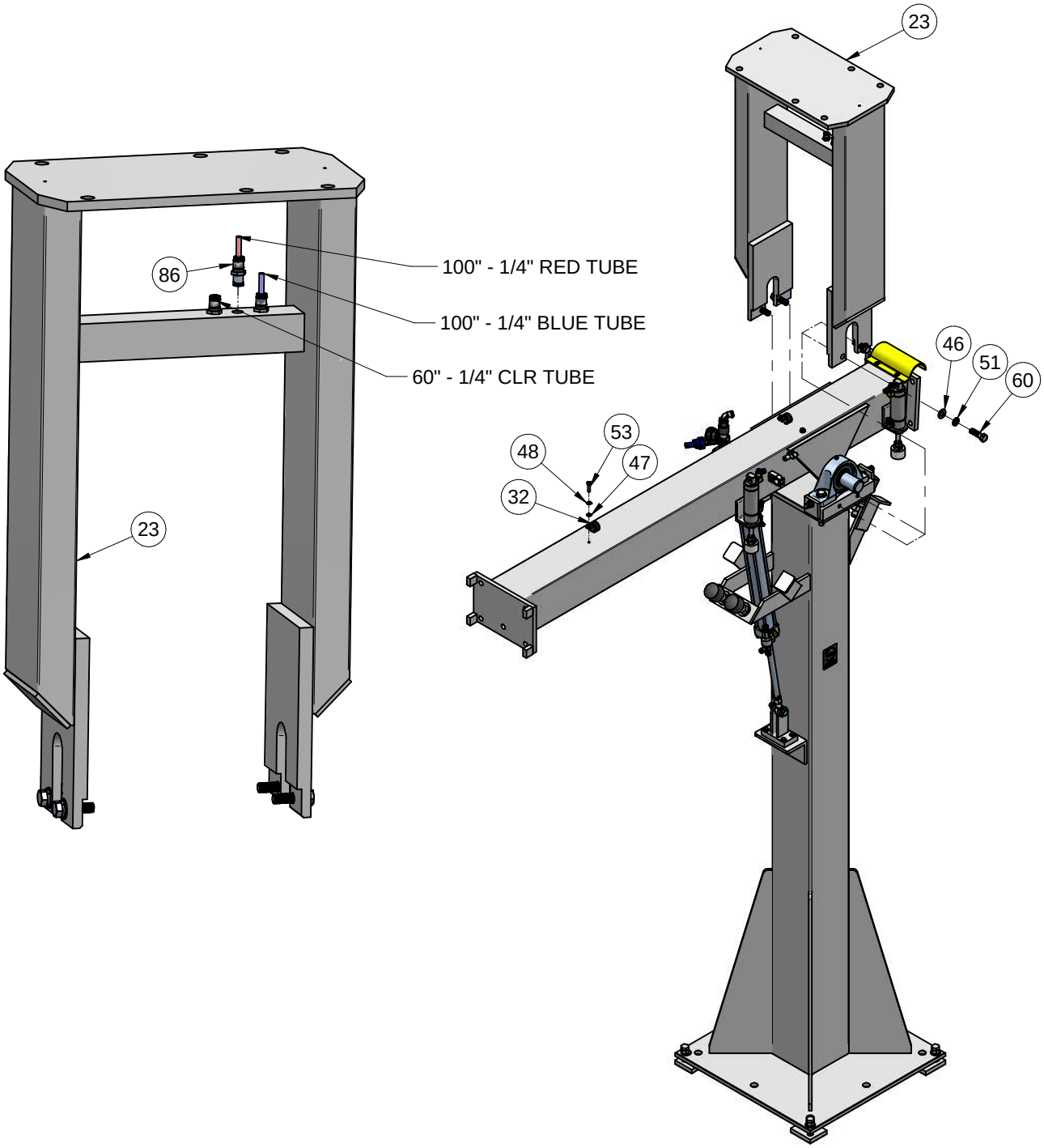


68-000-00-MP EXPLOSION



DETAIL A

68-000-00-MP EXPLOSION



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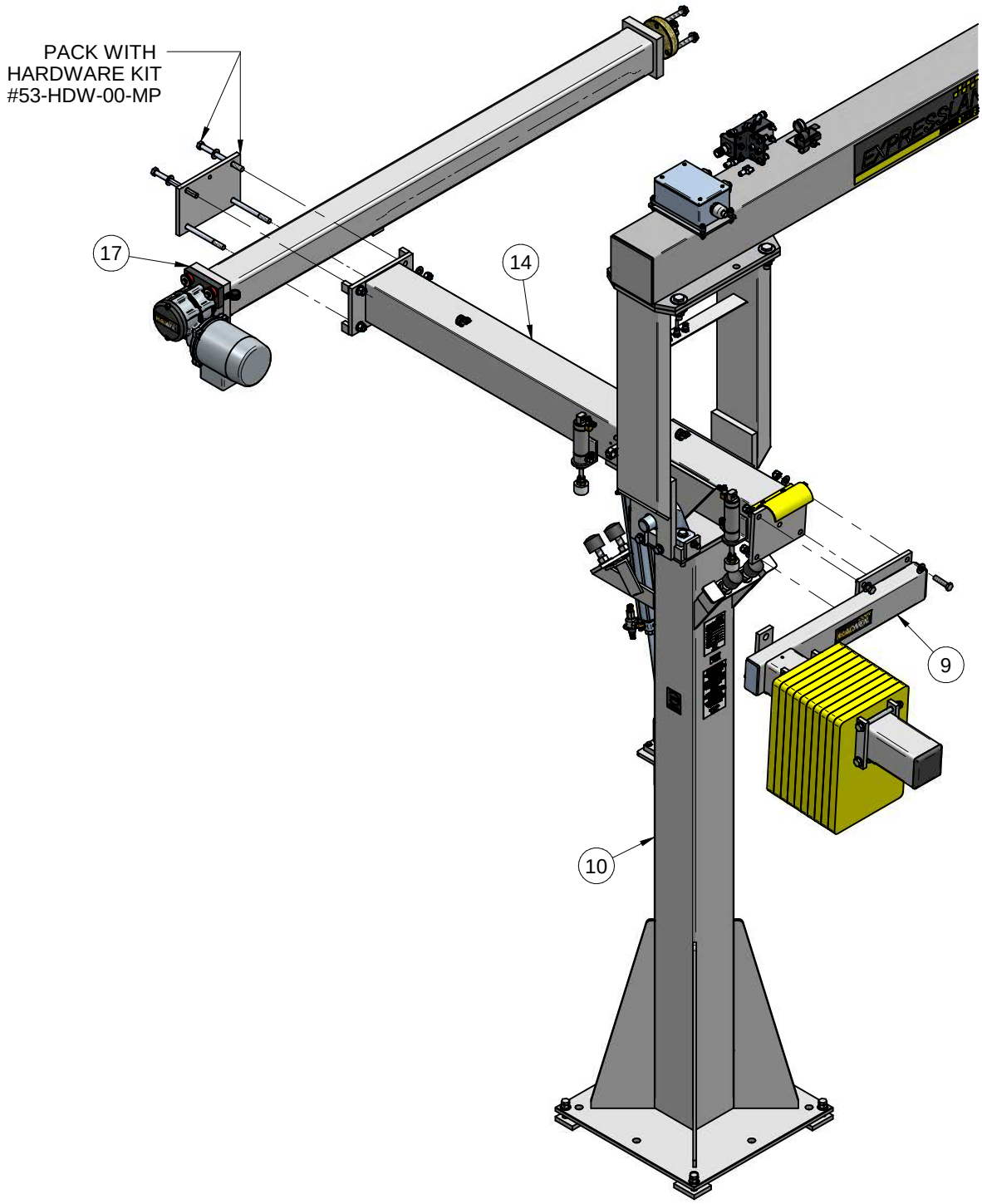

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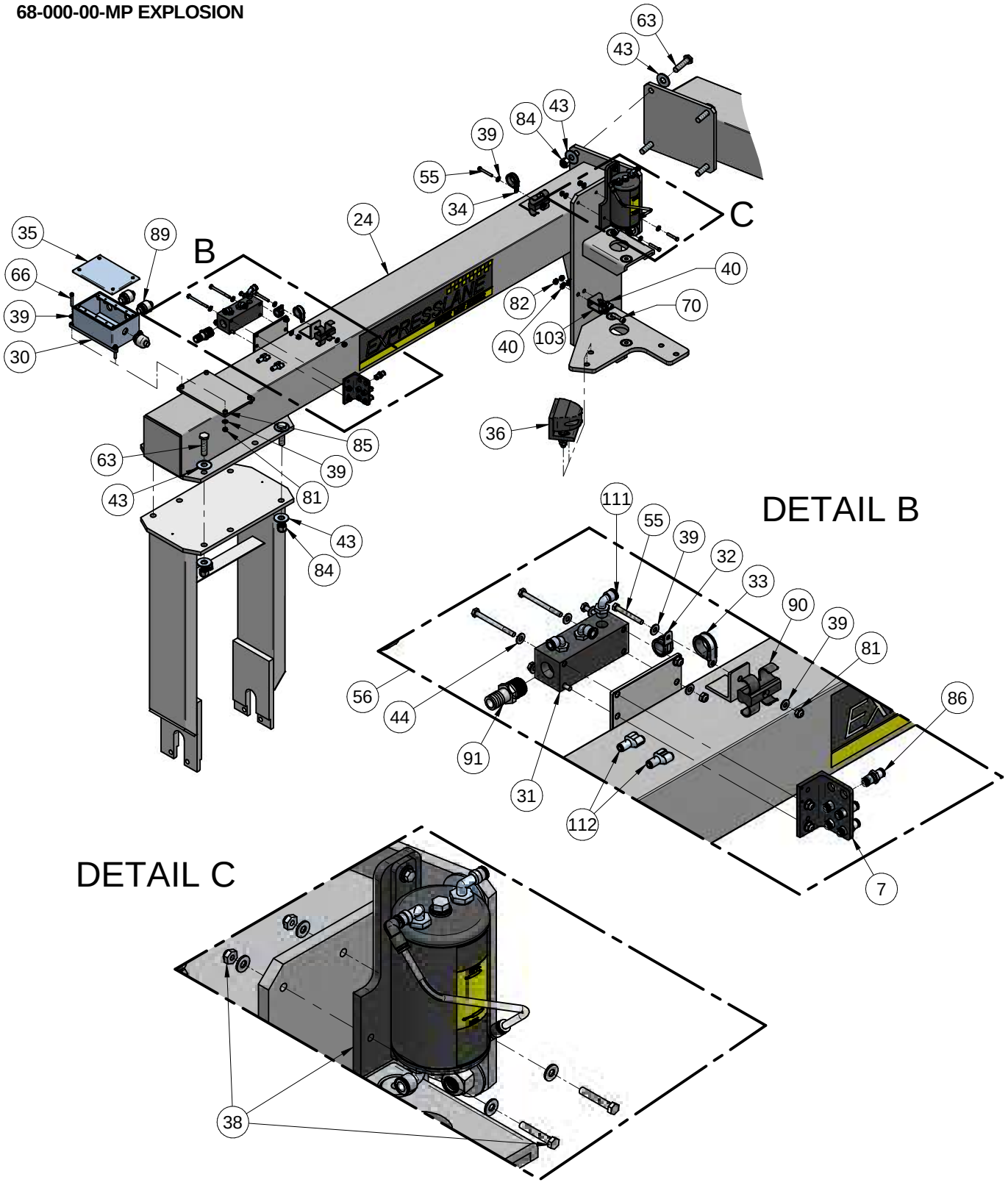

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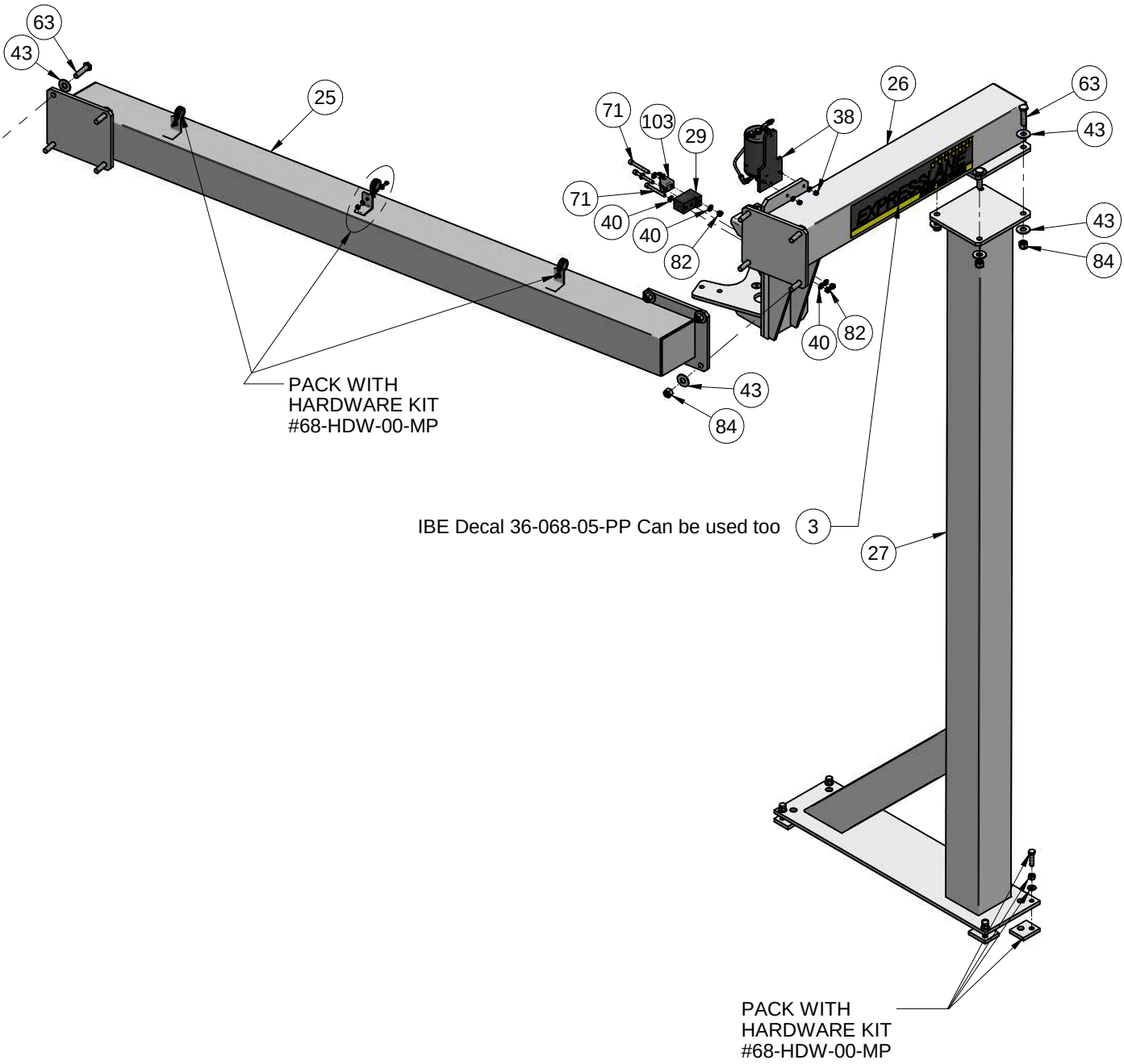

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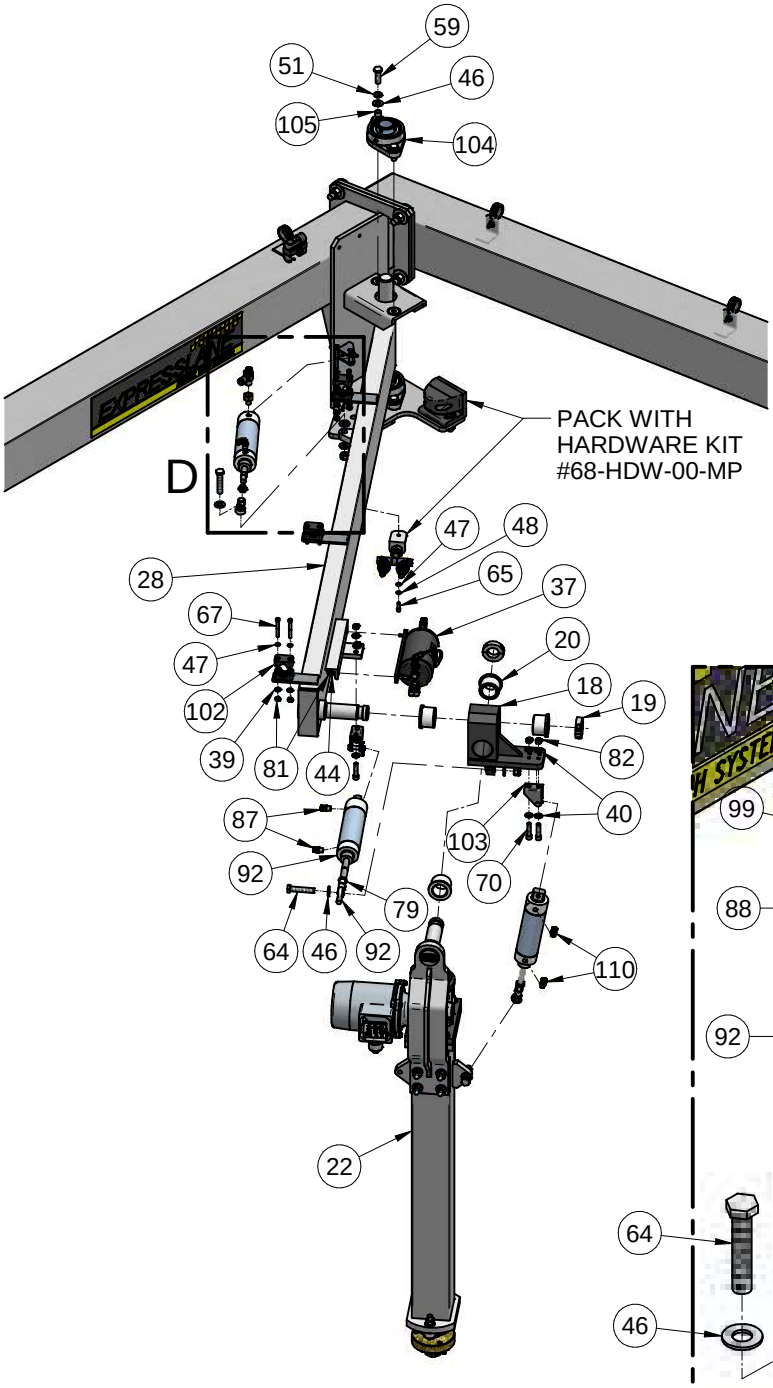
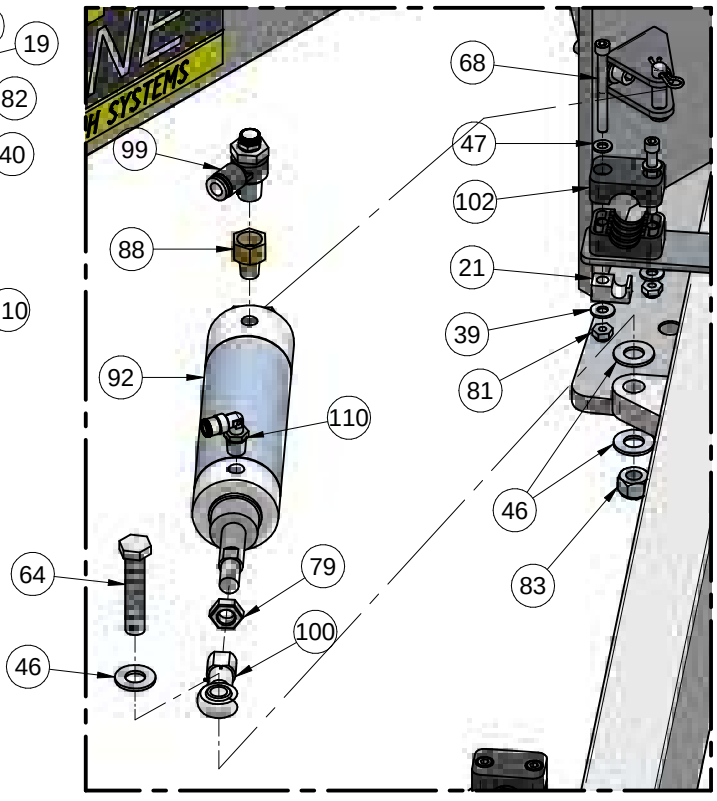


DETAIL D



68-000-00-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	DECAL "POWDERCOAT WARNING" 6" x 3-1/2"	36-012-00-PP	2
2	DECAL BRUSH ROTATION (100 RPM CCW)-LH POST	36-053-12-PP	2
3	DECAL 'EXPRESSLANE' LOGO	36-068-02-PP	2
4	DECAL 'DRIVE THRU PATENT NO. 8,099,816'	36-068-15-PP	1
5	MACNEIL SERIAL ID TAG -NEW LOGO	36-900-00-PP	1
6	CALL UP BUMPER ASSEMBLY	44-596-00-PP	2
7	AIR BULKHEAD BRACKET AL	53-000-02-BK	1
8	HYDR. HOSE SHIELD	53-000-04-MP	1
9	RS1000 EL/HY LH COUNTER WEIGHT ELBOW	53-003-00-MP	1
10	RS1000 POST	53-100-00-SG	1
11	BUMPER STOP 5/8"-11 x 4" UNC	53-111-00-PP	4
12	POST LEVELING SCREW 1/2-13" x 2"	53-150-07-MP	4
13	CYLINDER ROD END BRACKET	53-170-00-MP	1
14	PIVOTING ARM WELDMENT SG	53-200-00-SG	1
15	SMC EYE BRACKET NCA1-P150	53-200-06-MP	1
16	RS1000 WATER MANIFOLD ASS'Y	53-600-00-MP	1
17	RS1000 ELEC LH BRUSH ARM ASSEMBLY STANDARD (NO BRUSH)	53-710-10-MP	1
18	PIVOT HEAD UNIVERSAL- ANOD. BLK	56-010-00-BK	2
19	SPLIT COLLAR SS 1-1/4" ID c/w BARE HDWR	56-071-00-PP	2
20	RS701 PIVOT HEAD BUSHING UHMW WHT MACH'D	56-080-00-MP	8
21	RS701 TUBE CLAMP 3/8"TUBE 5/16"HOLE AL	56-310-12-CL	2
22	ELECTRIC DRIVE THRU VERT. ARM	56-550-00-MP	2
23	DRIVE THRU INTERMADIATE POST PC S/G	68-001-00-SG	1
24	DRIVE THRU LH BRIDGE S\G	68-002-00-SG	1
25	DRIVE THRU INTERM. BRIDGE-SILVER GREY	68-003-00-SG	1
26	DRIVE THRU RH BRIDGE SG	68-004-00-SG	1

68-000-00-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
27	DRIVE THRU RH POST SILVER GREY	68-005-00-SG	1
28	DRIVE THRU SWING ARM PC S/G	68-006-00-SG	2
29	WRAP ARM OFFSET BLOCK BLACK ANOD.	68-006-09-BK	1
30	DRIVE THRU JUNCTION BOX	68-100-01-MP	1
31	WATER MANIFOLD - ANODIZED BLK	68-100-04-BK	1
32	3/4" ROUND TUBE CLAMP SS	70-175-12-PP	3
33	1" ROUND TUBE CLAMP	70-175-16-PP	1
34	1-1/4" ROUND TUBE CLAMP SS	70-175-20-PP	1
35	JUNCTION BOX COVER SCEPTER 6-5/8" X 4-9/16" GRAY	70-201-01-PP	1
36	RS701 RETRACT BUMPER STOP ASSY KIT	75-056-31-MP	4
37	OIL RESERVOIR RS701 FLEX CONTROL - LH	75-560-06-MP	2
38	FOLD CONTROL RESERVOIR ASSY.	75-560-07-MP	2
39	WSHR SS FLAT 1/4" (0.056"/0.063"THK)	80-104-000-SI	24
40	WSHR SS FLT 3/8"	80-106-000-SI	34
41	FLAT WASHER 5/8" SS	80-110-000-SI	8
42	WASHER FLAT SS #10	80-110-000-SN	2
43	FLAT WASHER 5/8" SS THICK	80-110-001-SI	32
44	WSHR SS FLAT SAE 1/4"	80-204-000-SI	21
45	WSHR SS FLAT SAE 7/16"	80-207-000-SI	2
46	WASHER FLAT 1/2" SS	80-208-000-SI	35
47	WSHR SS FLAT SMALL-OD 1/4"	80-304-000-SI	17
48	WSHR SS LOCK 1/4"	80-904-000-SI	5
49	LOCK WASHER 3/8" SS	80-906-000-SI	4
50	WSHR SS LOCK 7/16"	80-907-000-SI	1
51	LOCK WASHER SS 1/2"	80-908-000-SI	12
52	LOCK WASHER 5/8" SS	80-910-000-SI	4

68-000-00-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
53	HHCS SS 1/4"-20 x 1"	82-504-016-SIC	5
54	HHCS SS 1/4"-20 x 1-1/2"	82-504-024-SIC	4
55	HHCS SS 1/4"-20 x 2"	82-504-032-SIC	2
56	HHCS SS 1/4-20x3"	82-504-048-SIC	4
57	HHCS SS 5/16"-18 X 1"	82-505-016-SIC	4
58	HHCS SS 7/16"-20 x 2"	82-507-032-SIF	1
59	HHCS SS 1/2"-13 x 1-1/2"	82-508-024-SIC	8
60	HHCS 1/2-13 x 1 3/4" S.S.	82-508-028-SIC	4
61	HHCS SS 1/2"-13 x 2-1/2"	82-508-040-SIC	1
62	HHCS SS 1/2"-13 x 4"	82-508-064-SIC	4
63	HHCS SS 5/8"-11 x 2-1/2"	82-510-040-SIC	16
64	HHCS FL-THD SS 1/2"-13 x 2-1/2"	82-608-040-SIC	4
65	SHCS SS 1/4"-28 UNF X 3/4"	82-704-012-SIF	2
66	SHCS SS 1/4"-20 x 1-1/2"	82-704-024-SIC	4
67	SHCS SS 1/4-20x2"	82-704-032-SIC	10
68	SHCS SS 1/4"-20 x 2-1/2"	82-704-040-SIC	2
69	SHCS SS 3/8-16 X 1-1/4"	82-706-020-SIC	4
70	SHCS SS 3/8-16 X 1-1/2"	82-706-024-SIC	10
71	SHCS SS 3/8-16 X 3"	82-706-048-SIC	3
72	SCREW SS BTN-HD 1/4"-20 X 3/4"	83-204-012-SIC	1
73	SCRW SS PAN-HD PHL #10-24 x 1/2"	83-510-008-SNC	2
74	NUT SS 3/8"-16	84-006-000-SIC	4
75	NUT SS 7/16"-20	84-007-000-SIF	3
76	NUT SS 1/2"-13	84-008-000-SIC	8
77	HEX NUT 5/8"-11 SS	84-010-000-SIC	8
78	NUT SS JAM 7/16"-20	84-107-000-SIF	1

68-000-00-MP PARTS LIST

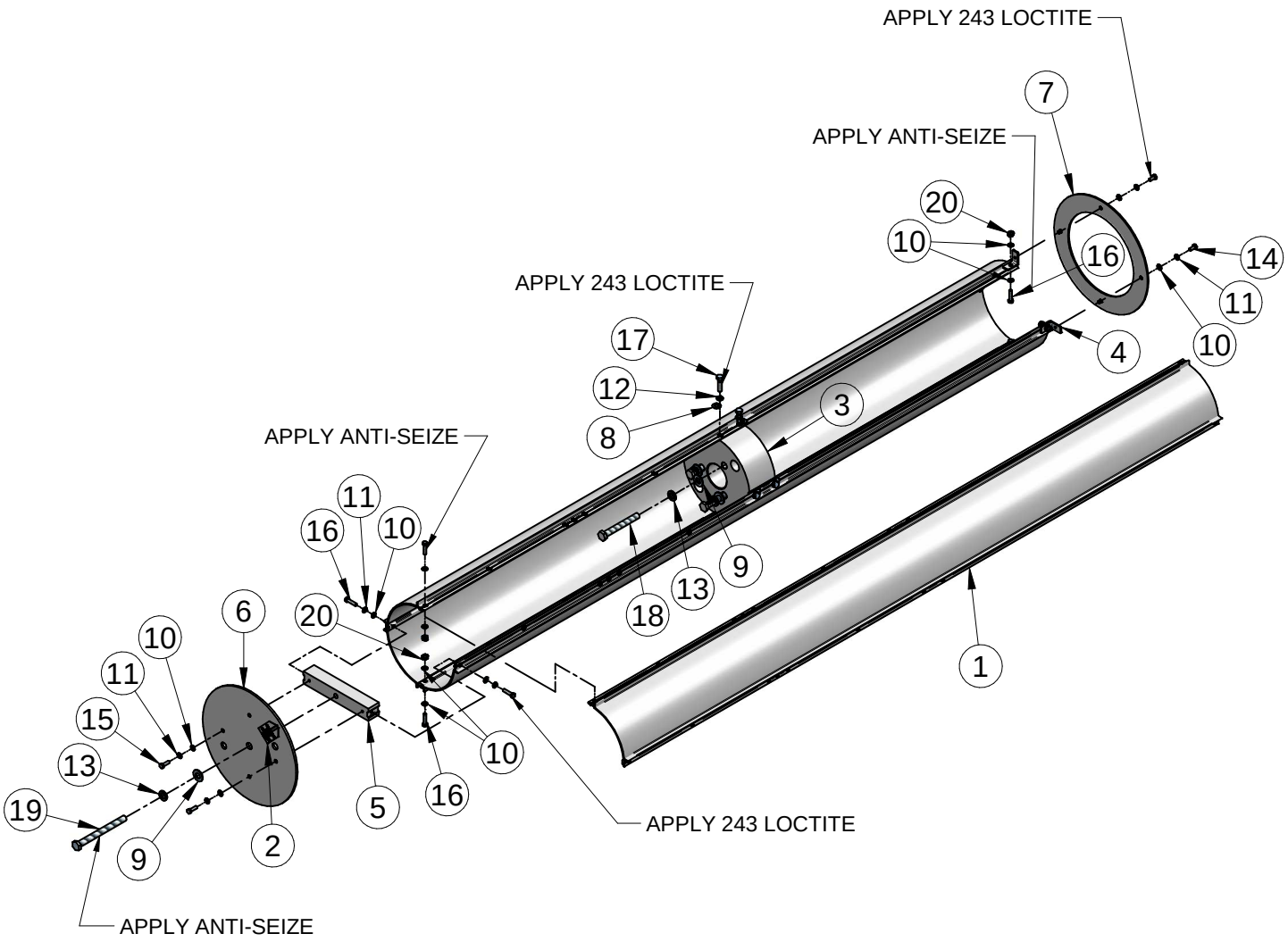
REF.	DESCRIPTION	PART NUMBER	QTY
79	NUT SS JAM 1/2"-20	84-108-000-SIF	6
80	NUT SS JAM 3/4"-16	84-112-000-SIF	2
81	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	28
82	NUT SS NYLOCK 3/8"-16	85-006-000-SIC	13
83	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	10
84	NUT SS NYLOCK 5/8"-11	85-010-000-SIC	16
85	SPACER NYLON 1/2"DIA x 5/16" SP222	89-008-005-NI	4
86	FTG BULKHD AIR 1/4"-1/4"TBE 6590-04-00	90-005-01-PP	8
87	FTG CNCTR 1/4"TBE-1/4"MNPT	90-025-00-PP	5
88	FTG. 1/4" NPT TO 3/8" NPT	90-041-02-PP	2
89	FTG LT CONNECTOR STRAIGHT 1/2"NPT (NON-METALLIC)	90-055-03-PP	3
90	POLY T-CLIP # 22	90-068-06-PP	2
91	ADAPTER 3/4"HOSE BARB X 3/4"MPT SCH80 PVC (GRAY)	90-080-14-PP	1
92	CYL AIR 2" DIA X 4" STROKE 2000D02-04A	90-100-07-PP	6
93	CYLINDER AIR 1-1/2" BORE X 2" STROKE	90-100-11-PP	2
94	CYL AIR NCA1 B150-1400	90-100-13-PP	1
95	CYLINDER END NCA1-D150 BRKT	90-100-16-PP	1
96	VALVE FLOW CONTROL JSC1/4-N2AU-LH	90-140-01-PP	1
97	THROTTLE VALVE 1/8"NPT-1/4"TBE NKLPLTRING	90-140-03-PP	3
98	VALVE QUICK EXHAUST 1/4"ports SQE2	90-142-03-PP	1
99	VALVE FLOW CONTROL JSC3/8-N3AHU-LH	90-143-02-PP	2
100	ROD END SS-PHSB8 1/2"F-20 c/wGR NPL10-32	90-151-02-PP	6
101	ROD END TR7-N-SS 7/16"-20 F c/w GR.NPL 10/32	90-151-04-PP	1
102	13/16" HOSE BLOCK CSHN PAIR HRL	90-153-03-PP	6
103	PIVOT BRKT SS c/w PIN & CLIP BP-19CSS	90-174-00-PP	6
104	BEARING FLANGE 1-1/2" 2-HOLE SS	90-190-00-PP	4

68-000-00-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
105	BEARING MOUNTING HOLE INSERT	90-190-05-PP	8
106	BEARING PILLOW BLOCK 1-1/2" BORE	90-191-01-PP	3
107	FTG ELB STREET 1/8"NPT 90° X115-A	90-211-02-PP	2
108	BUSHING, RED BR 3/8"MNPT-1/8"FNPT 110-CA	90-214-05-PP	1
109	FTG ELB SWV 1/4"TBE-1/8"MPT	90-223-02-PP	2
110	FTG ELB SWV 1/4"TBE-1/4"MPT	90-223-06-PP	6
111	ELBOW SWV 3/8"NPT X 3/8" TBE	90-225-00-PP	3
112	FTG 'Y' 1/4"TUBE 6560-04-00	90-253-04-PP	3
113	CLAMP WATER PIPE CLIC #20	90-259-01-PP	1
114	FTG ELB RED 1/4-3/8 NPT 99-CB	95-316-06-PP	1

ASS'Y INCLUDES TUBE, WIRE & HDWR KITS (NOT SHOWN, INSTALLED ON SITE)			
REF.	DESCRIPTION	PART #	TOTAL
1	TUBE NY BLK .250" OD	33-361-20-4BK	160"
2	TUBE NY BLUE .250" OD	33-361-20-4BU	100"
3	TUBE NY CLR .250" OD	33-361-20-4CL	410"
4	TUBE NY ORG .250" OD	33-361-20-4OR	84"
5	TUBE NY RED .250" OD	33-361-20-4RD	100"
6	TUBE NY YLW .250" OD	33-361-20-4YL	244"
7	TUBE NY CLR .375" OD	33-361-20-6CL	446"
8	WIRE T90 14AWG BLACK 14/1	33-600-90-1BK	1461"
9	WIRE T90 14AWG GREEN 14/1	33-600-90-1GN	487"
10	1/2" FLEXIBLE NON-METALLIC LT CONDUIT	90-055-01-PP	427"
11	KIT HARDWARE RS-1000 HORIZ. BRUSH	53-HDW-00-MP	1
12	KIT HARDWARE EXPRESSLANE ASSEMBLY	68-HDW-00-MP	1

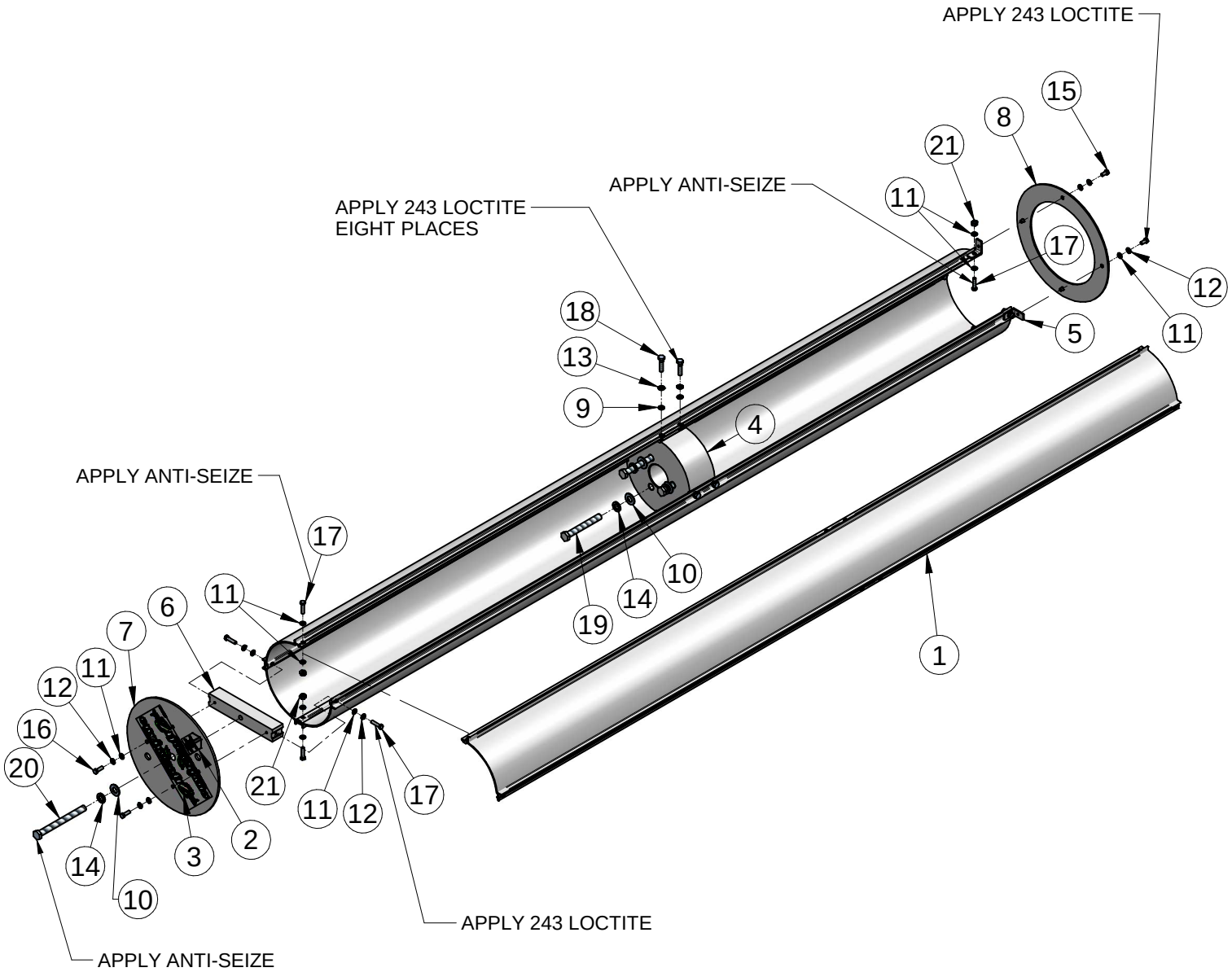
22-056-10-MP EXPLOSION
SIDE BRUSH HUB/CORE ASSEMBLY



22-056-10-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	70" CORE PANEL SINGLE SECTION	22-056-01-MP	4
2	DECAL-TIMING INDICATOR (17 REV/10 SEC)	36-053-07-PP	1
3	CORE HUB 2ND GEN 7-11/16"DIA. X 3" MACH'D AL	48-615-01-MP	1
4	DISK MOUNTING ANGLE	48-615-02-MP	4
5	COMPRESSION MOUNT BAR AL MACH'D	48-615-04-MP	1
6	FOAM COMPRESSION DISC AL 11" CLR ANO	48-615-05-CL	1
7	RETAINING RING ALUM Ø11"	53-300-12-CL	1
8	WSHR SS FLAT 5/16"	80-105-000-SI	8
9	WASHER FLAT 1/2" SS	80-208-000-SI	4
10	WSHR SS FLAT SMALL-OD 1/4"	80-304-000-SI	20
11	WSHR SS LOCK 1/4"	80-904-000-SI	8
12	WSHR SS LOCK 5/16"	80-905-000-SI	8
13	LOCK WASHER SS 1/2"	80-908-000-SI	4
14	HHCS SS 1/4"-20 x 1/2"	82-504-008-SIC	4
15	HHCS SS 1/4"-20 x 3/4"	82-504-012-SIC	2
16	HHCS SS 1/4"-20 x 1"	82-504-016-SIC	8
17	HHCS SS 5/16"-18 X 1-1/4"	82-505-020-SIC	8
18	HHCS SS 1/2"-13 x 4"	82-508-064-SIC	3
19	HHCS FL-THD SS 1/2"-13 x 5 1/2"	82-608-088-SIC	1
20	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	6

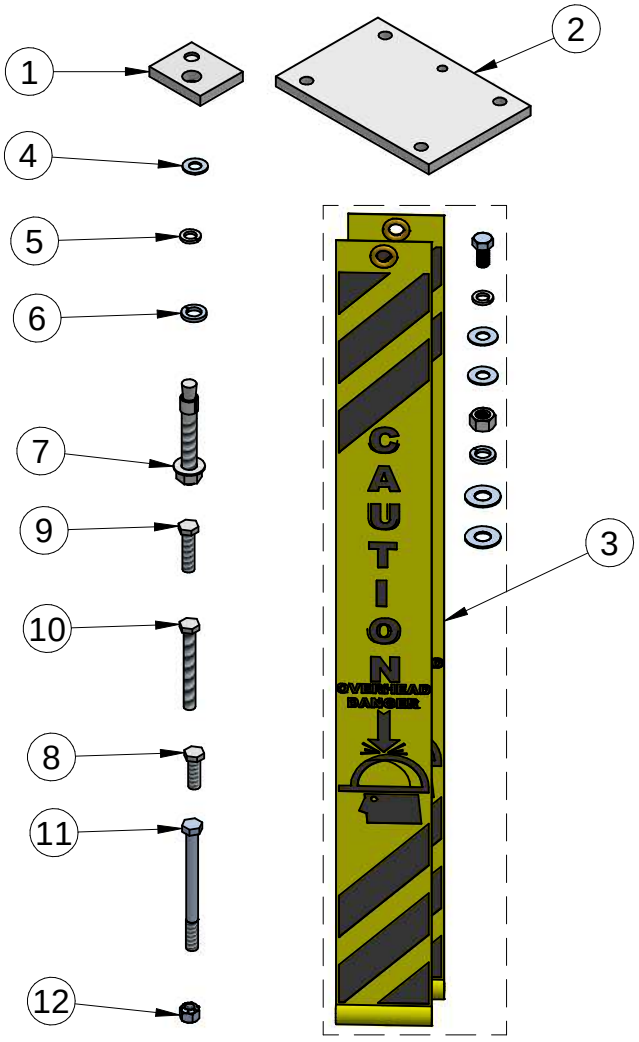
22-053-10-MP EXPLOSION
82" TOP BRUSH HUB/CORE ASSEMBLY



22-053-10-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	EXTRUDED ALUMINUM 6063-T6 (1/8" WALL) 82"	22-053-01-MP	4
2	DECAL-TIMING INDICATOR (17 REV/10 SEC)	36-053-07-PP	1
3	DECAL 'ENVIROSOFT 2ND GENERATION' 4" x 9"	36-053-11-PP	1
4	CORE HUB	48-615-01-MP	1
5	DISK MOUNTING ANGLE	48-615-02-MP	4
6	COMPRESSION MOUNT BAR AL MACH'D	48-615-04-MP	1
7	FOAM COMPRESSION DISC AL 11" CLR ANO	48-615-05-CL	1
8	RETAINING RING ALUM Ø11"	53-300-12-CL	1
9	M8 SS FLAT WASHER	80-108-000-SM	8
10	WASHER FLAT 1/2" SS	80-208-000-SI	6
11	WSHR SS FLAT SMALL-OD 1/4"	80-304-000-SI	20
12	WSHR SS LOCK 1/4"	80-904-000-SI	8
13	WSHR SS LOCK 5/16"	80-905-000-SI	8
14	LOCK WASHER SS 1/2"	80-908-000-SI	6
15	HHCS SS 1/4"-20 x 1/2"	82-504-008-SIC	4
16	HHCS SS 1/4"-20 x 3/4"	82-504-012-SIC	2
17	HHCS SS 1/4"-20 x 1"	82-504-016-SIC	8
18	HHCS SS 5/16"-18 X 1-1/4"	82-505-020-SIC	8
19	HHCS SS 1/2"-13 x 4"	82-508-064-SIC	3
20	HHCS FL-THD SS 1/2"-13 x 5 1/2"	82-608-088-SIC	1
21	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	6

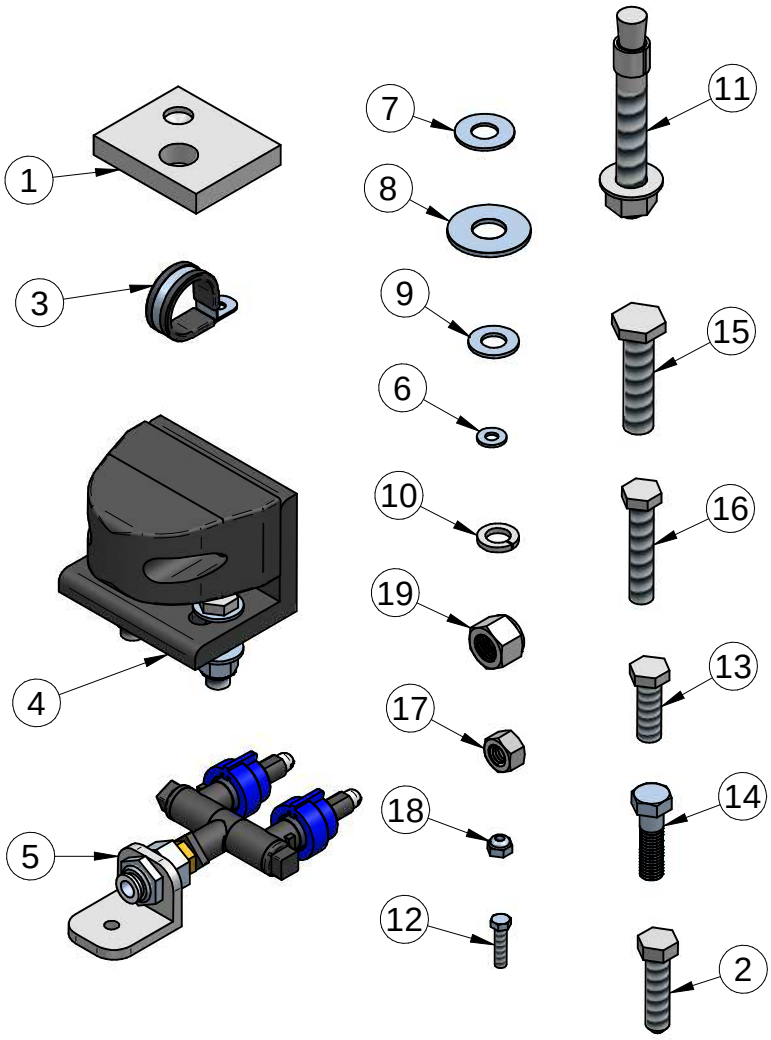
53-HDW-00-MP SHIPPING PARTS VIEW



53-HDW-00-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	POST LEVELER SCREW PAD	53-150-02-MP	4
2	CLAMP PLATE - HORIZONTAL BRUSH	53-150-06-SG	1
3	CAUTION BANNER INSTALLATION KIT	53-150-20-MP	1
4	WASHER FLAT 1/2" SS	80-208-000-SI	36
5	LOCK WASHER SS 1/2"	80-908-000-SI	8
6	LOCK WASHER 5/8" SS	80-910-000-SI	8
7	KIT-BOLT ANCHOR (SLEEVED) 5/8"x 5"c/w WSHR & NUT	82-210-080-ZIC	8
8	HHCS SS 1/2"-13 x 1-1/2"	82-508-024-SIC	4
9	HHCS SS 1/2"-13 x 2"	82-508-032-SIC	4
10	HHCS SS 1/2"-13 x 4"	82-508-064-SIC	4
11	HHCS 1/2"-13 x 6" SS	82-508-096-SIC	4
12	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	12

68-HDW-00-MP SHIPPING PARTS VIEW



68-HDW-00-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	POST LEVELER SCREW PAD	53-150-02-MP	4
2	POST LEVELING SCREW 1/2-13" x 2"	53-150-07-MP	4
3	1-1/4" ROUND TUBE CLAMP SS	70-175-20-PP	3
4	RS701 RETRACT BUMPER STOP ASSY KIT	75-056-31-MP	2
5	KIT DOUBLE SWIVL NOZZLE MANIFOLD	75-560-43-MP	2
6	WSHR SS FLAT 1/4" (0.056"/0.063"THK)	80-104-000-SI	6
7	WSHR SS FLAT 1/2"	80-108-000-SI	4
8	FLAT WASHER 5/8" SS THICK	80-110-001-SI	32
9	WASHER FLAT 1/2" SS	80-208-000-SI	17
10	LOCK WASHER SS 1/2"	80-908-000-SI	8
11	KIT-BOLT ANCHOR (SLEEVED) 5/8"x 5"c/w WSHR & NUT	82-210-080-ZIC	4
12	HHCS SS 1/4"-20 x 1"	82-504-016-SIC	3
13	HHCS SS 1/2"-13 x 1-1/2"	82-508-024-SIC	8
14	HHCS 1/2-13 x 1 3/4" S.S.	82-508-028-SIC	4
15	HHCS SS 5/8"-11 x 2-1/2"	82-510-040-SIC	16
16	HHCS FL-THD SS 1/2"-13 x 2-1/2"	82-608-040-SIC	11
17	NUT SS 1/2"-13	84-008-000-SIC	4
18	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	3
19	NUT SS NYLOCK 5/8"-11	85-010-000-SIC	16