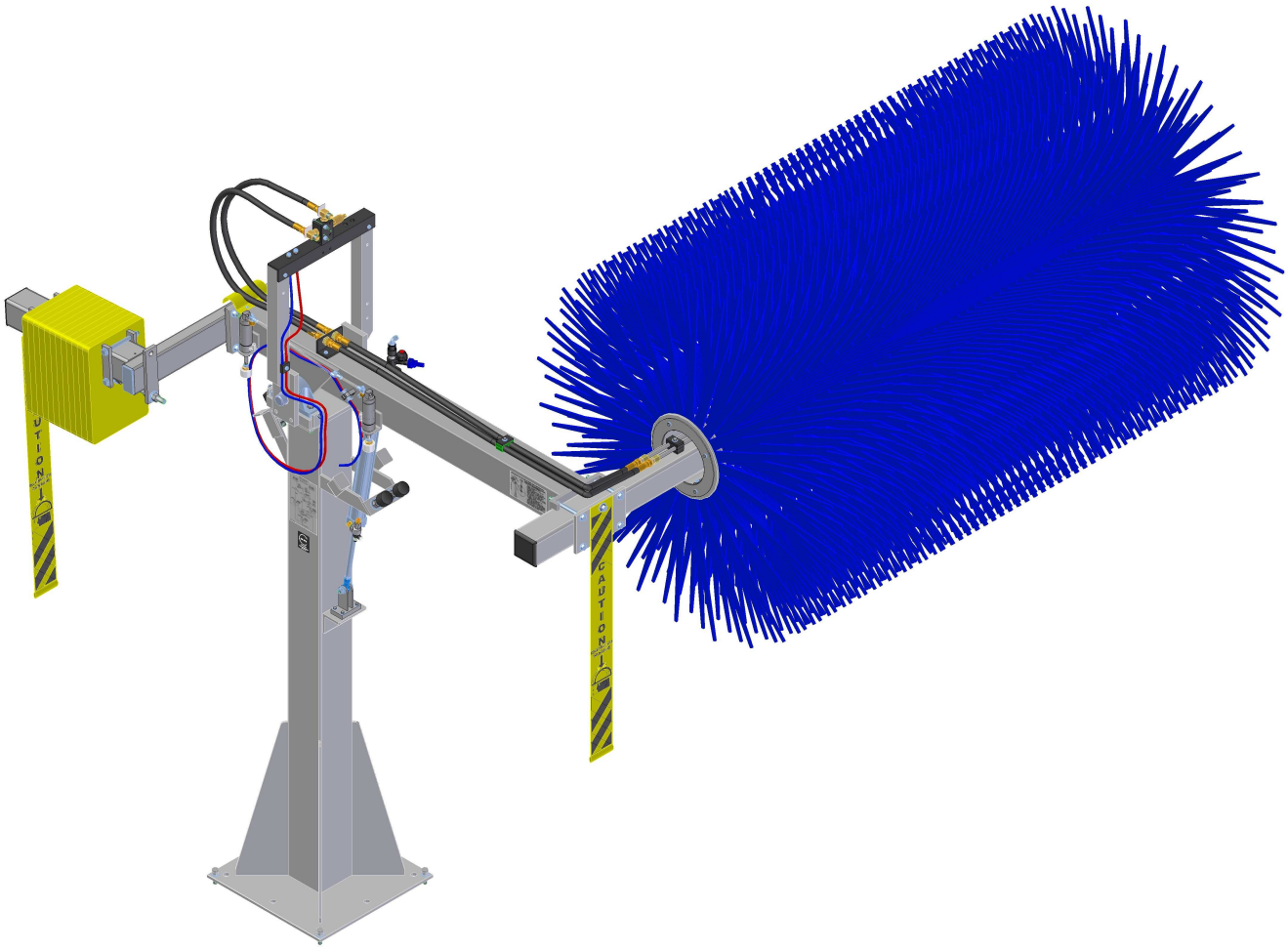
DOCUMENT #EPL-RS1000-HYDRAULIC

INCLUDES:

DRIVE SIDE (LH) & PASSENGER SIDE (RH)

53-HDW-00-MP KIT HARDWARE RS-1000 HORIZ. BRUSH



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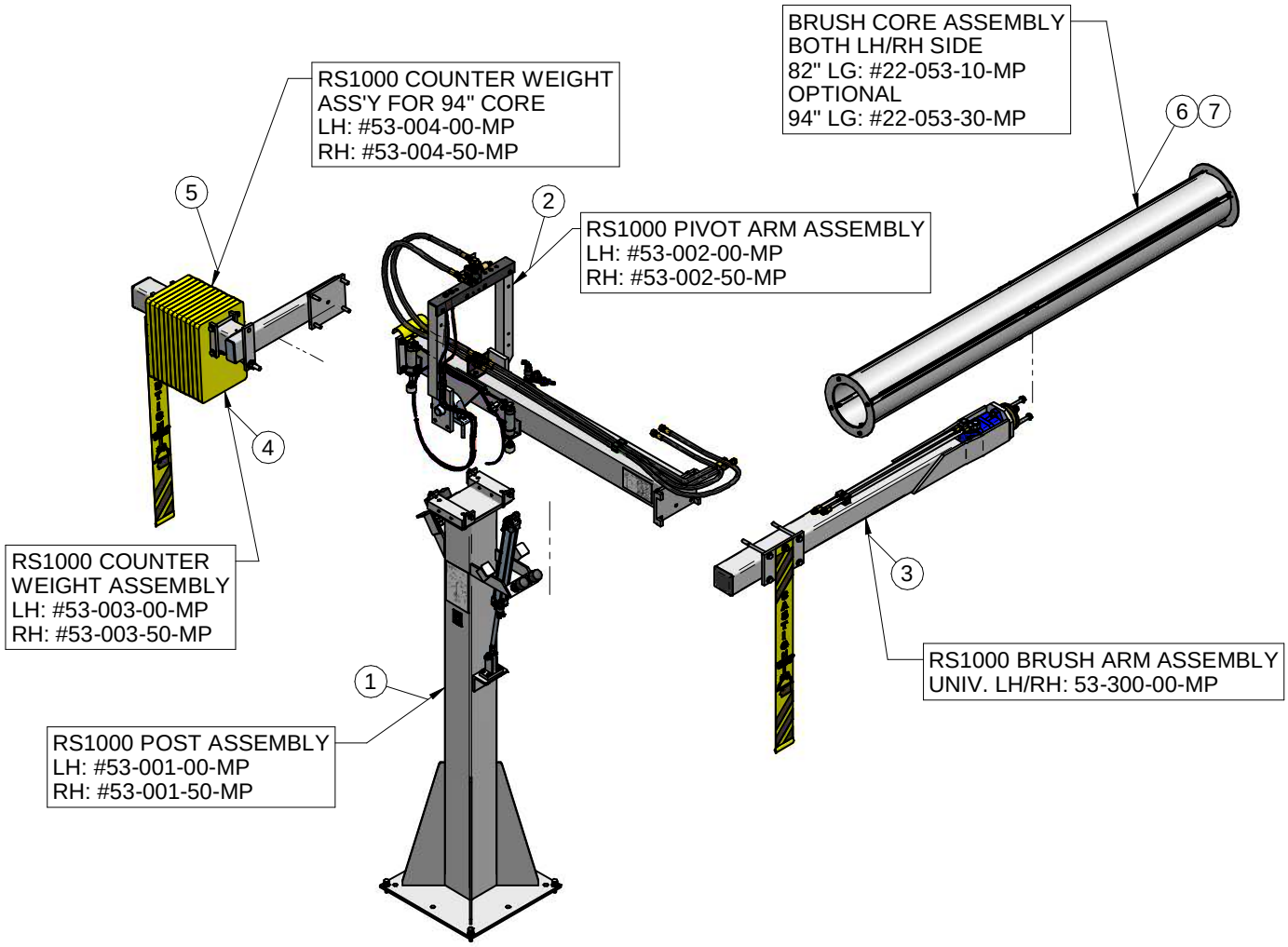
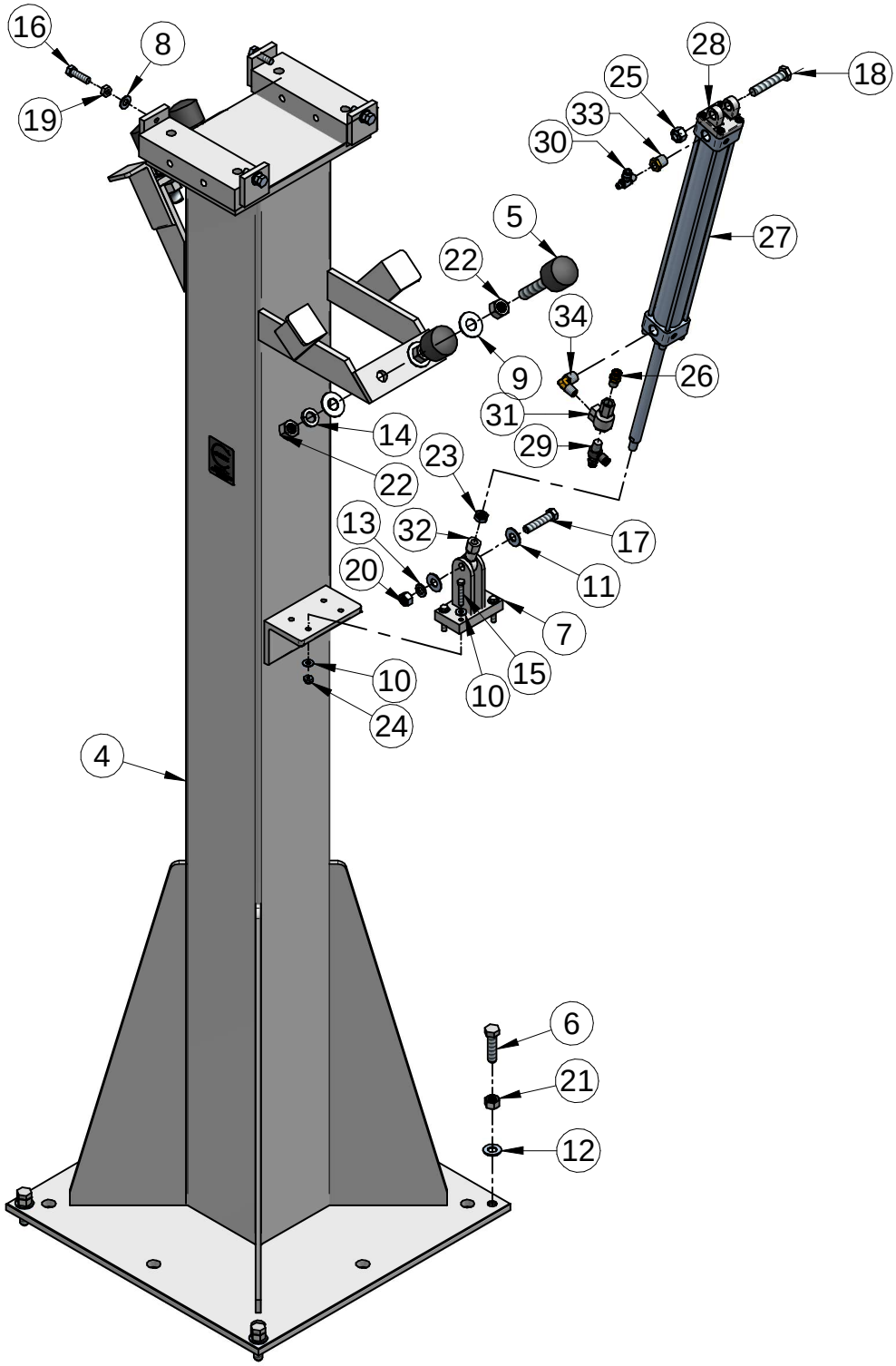
RS1000 HYD ASSEMBLY OVERVIEW



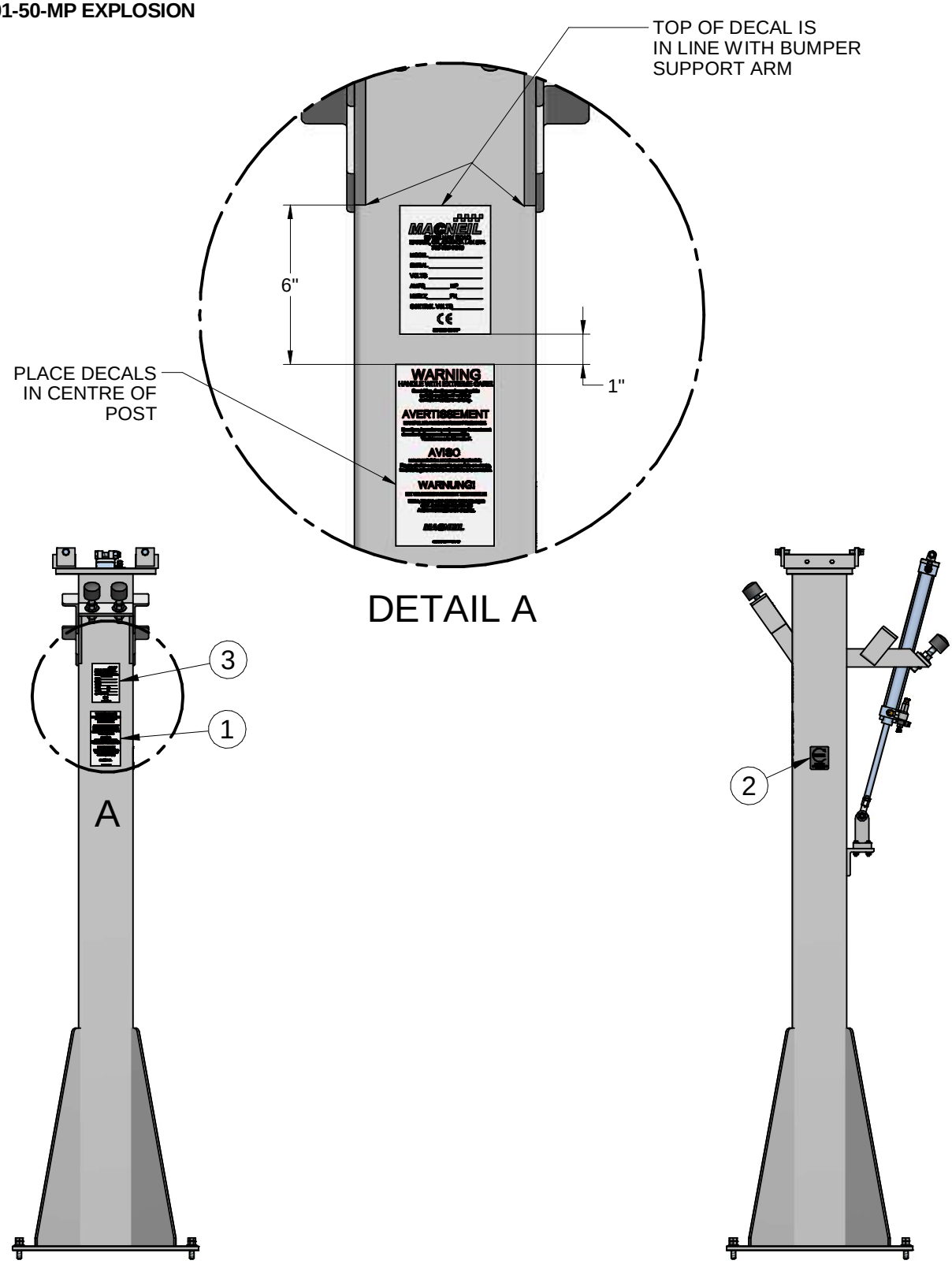
RS1000 HYDRAULIC RH PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	RS1000 ELEC/HYD RH POST ASSEMBLY STANDARD	53-001-50-MP	1
2	RS1000 HYD RH BRUSH PIVOTING ARM CATALOG	53-002-50-MP	1
3	RS1000 HYD ARM ASS'Y UNIV LH/RH (NO BRUSH)	53-300-00-MP	1
4	RS1000 ELEC/HYD RH COUNTER WEIGHT ELBOW STANDARD	53-003-50-MP	1
5	RS1000 ELEC/HYD RH COUNTER WEIGHT ELBOW FOR 94" CORE	53-004-50-MP	1
6	RS1000 82" HYD/ELECTRIC HUB/CORE ASSEMBLY	22-053-10-MP	1
7	RS1000 94" HYD/ELECTRIC HUB/CORE ASSEMBLY	22-053-30-MP	1

53-001-50-MP EXPLOSION



53-001-50-MP EXPLOSION



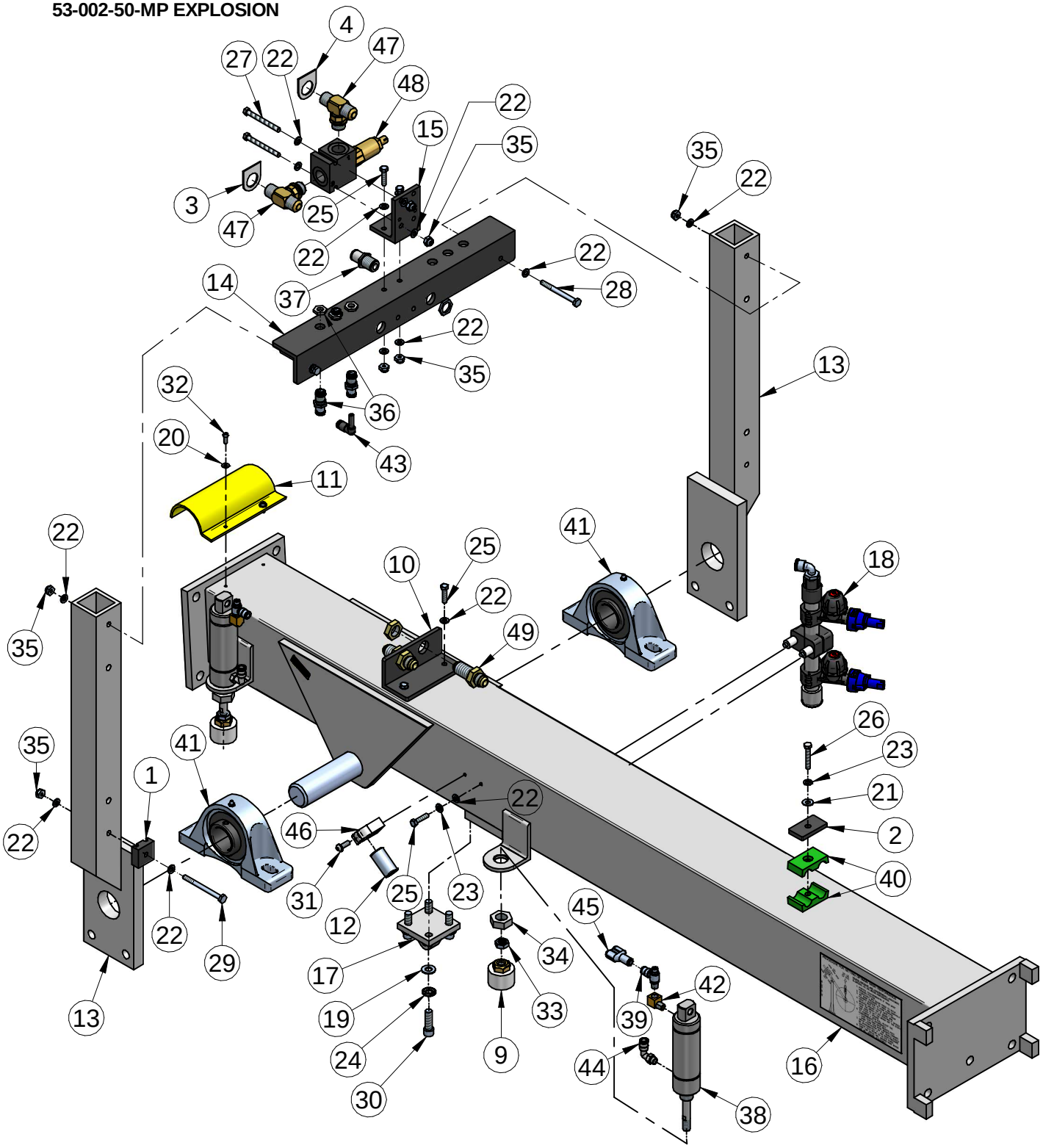
53-001-50-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	DECAL "POWDERCOAT WARNING" 6" x 3-1/2"	36-012-00-PP	1
2	DECAL BRUSH ROTATION (100 RPM CW)-RH POST	36-053-04-PP	1
3	MACNEIL SERIAL ID TAG -NEW LOGO	36-900-00-PP	1
4	RS-1000 BRUSH POST S/G	53-100-00-SG	1
5	BUMPER STOP 5/8"-11 x 4" UNC	53-111-00-PP	4
6	POST LEVELING SCREW 1/2-13" x 2"	53-150-07-MP	4
7	CYLINDER ROD END BRACKET	53-170-00-MP	1
8	WSHR SS FLT 3/8"	80-106-000-SI	4
9	FLAT WASHER 5/8" SS	80-110-000-SI	8
10	WSHR SS FLAT SAE 1/4"	80-204-000-SI	8
11	WSHR SS FLAT SAE 7/16"	80-207-000-SI	2
12	WASHER FLAT 1/2" SS	80-208-000-SI	4
13	WSHR SS LOCK 7/16"	80-907-000-SI	1
14	LOCK WASHER 5/8" SS	80-910-000-SI	4
15	HHCS SS 1/4"-20 x 1-1/2"	82-504-024-SIC	4
16	HHCS SS 3/8"-16 X 1-1/4"	82-506-020-SIC	4
17	HHCS SS 7/16"-20 x 2"	82-507-032-SIF	1

53-001-50-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
18	HHCS SS 1/2"-13 x 2-1/2"	82-508-040-SIC	1
19	NUT SS 3/8"-16	84-006-000-SIC	4
20	NUT SS 7/16"-20	84-007-000-SIF	1
21	NUT SS 1/2"-13	84-008-000-SIC	4
22	NUT SS 5/8"-11	84-010-000-SIC	8
23	NUT SS JAM 7/16"-20	84-107-000-SIF	1
24	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	4
25	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	1
26	FTG CNCTR 1/4"TBE-1/4"MNPT	90-025-00-PP	1
27	CYL AIR NCA1 B150-1400	90-100-13-PP	1
28	CYLINDER END NCA1-D150 BRKT	90-100-16-PP	1
29	VALVE FLOW CONTROL JSC1/4-N2AU-LH	90-140-01-PP	1
30	THROTTLE VALVE 1/8"NPT-1/4"TBE NKLPLTRING	90-140-03-PP	1
31	VALVE QUICK EXHAUST 1/4"ports SQE2	90-142-03-PP	1
32	ROD END TR7-N-SS 7/16"-20 F c/w GR.NPL 10/32	90-151-04-PP	1
33	BUSHING, RED BR 3/8"MNPT-1/8"FNPT 110-CA	90-214-05-PP	1
34	FTG ELB RED 1/4-3/8 NPT 99-CB	95-316-06-PP	1

53-002-50-MP EXPLOSION



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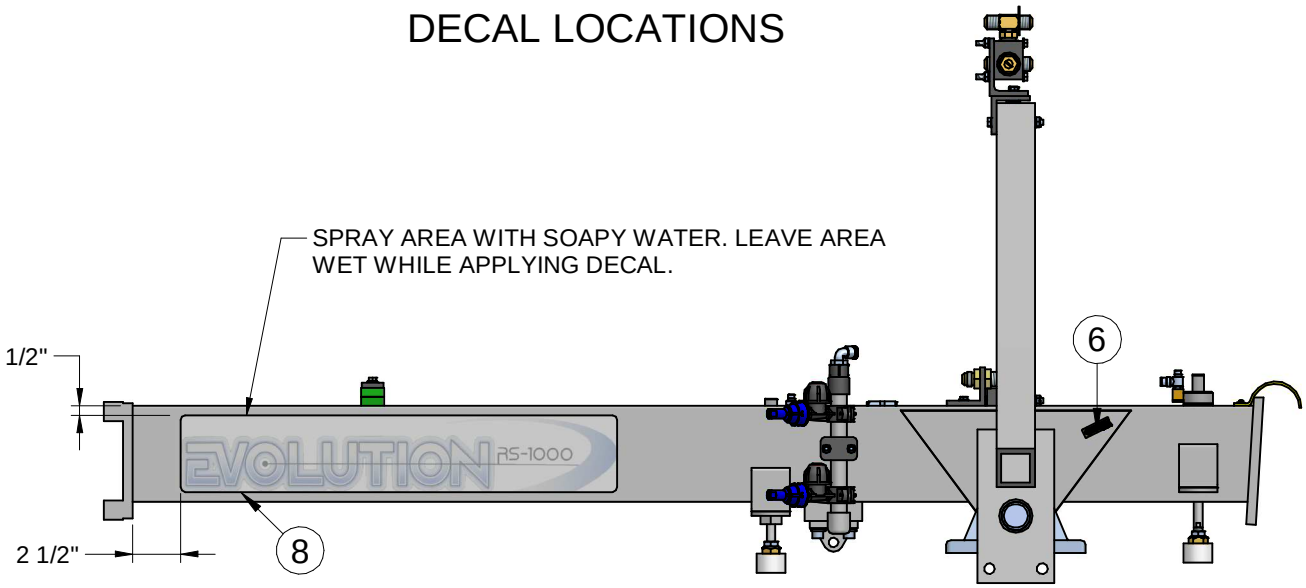
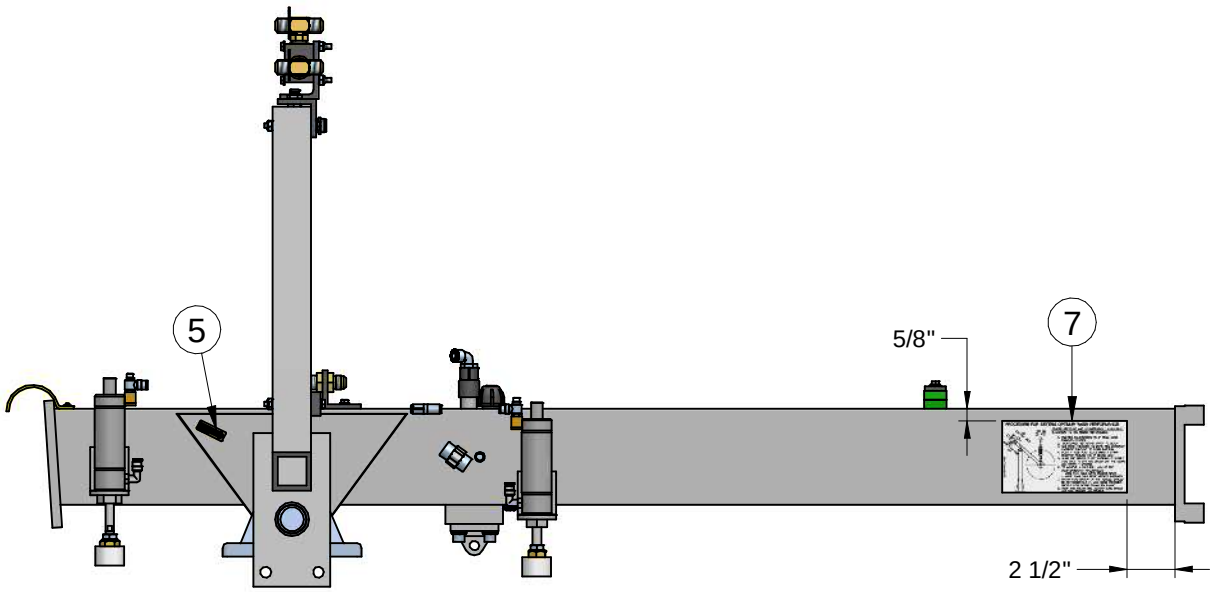
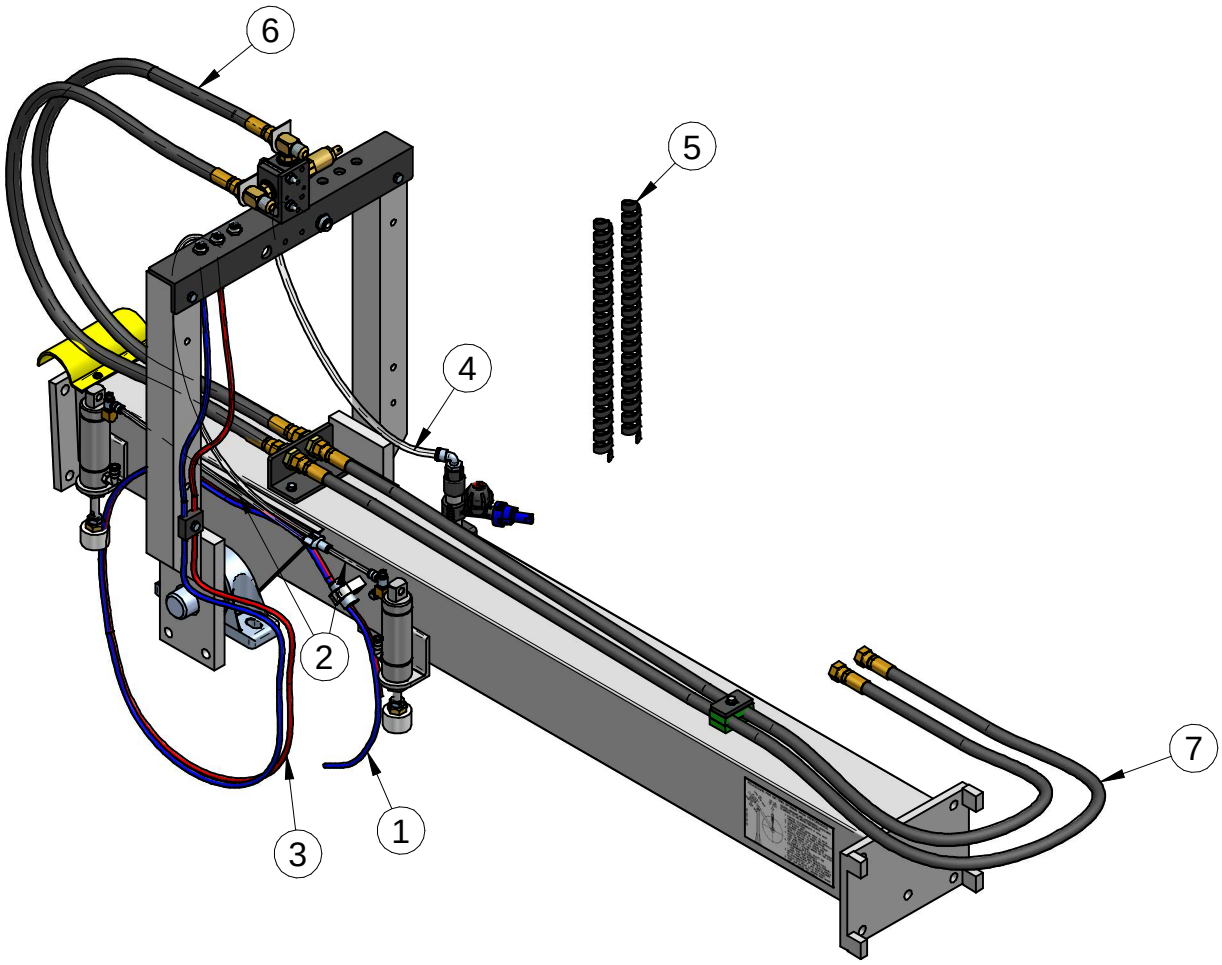
53-002-50-MP EXPLOSION

DECAL LOCATIONS





53-002-50-MP EXPLOSION



ASS'Y INCLUDES TUBE & WIRE			
REF.	DESCRIPTION	PART NUMBER	QTY
1	TUBE NY BLU .250"OD	33-361-20-4BU	100"
2	TUBE NY CLR .250"OD	33-361-20-4CL	80"
3	TUBE NY RED .250"OD	33-361-20-4RD	100"
4	TUBE NY CLR .375"OD	33-361-20-6CL	60"
5	HYDR. HOSE GUARD 18"	95-506-00-PP	36"
6	HYD HOSE ASS'Y 3/8" x 39"	95-641-00-PP	2
7	HYD HOSE ASS'Y 3/8" x 67"	95-642-00-PP	2

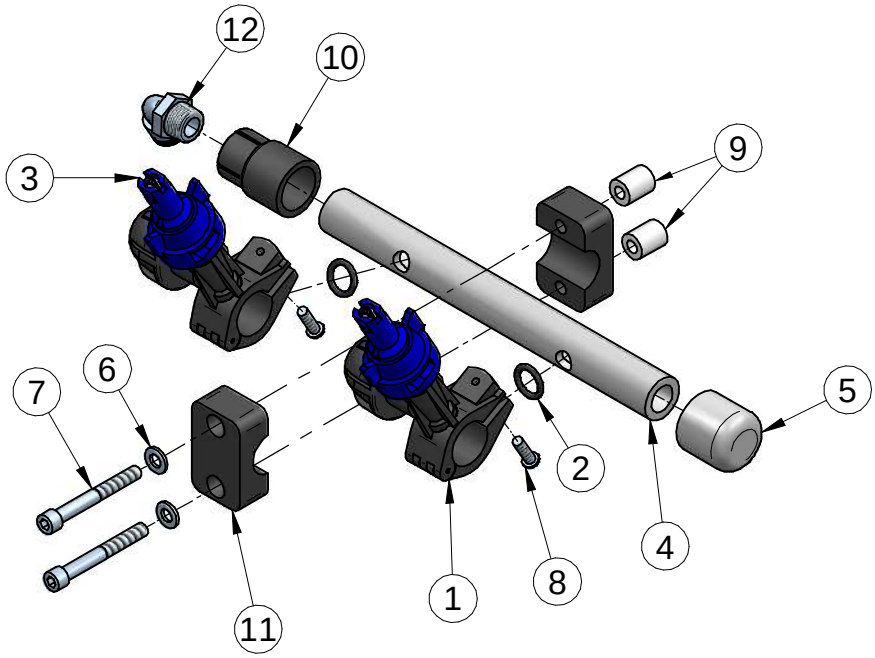
53-002-50-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	1/4" AIR TUBE BLOCK AL	15-020-09-BK	1
2	PLATE - HOSE BLOCK - BLACK	15-120-00-BK	1
3	DECAL TAG HYD. FLOW 'PRESSURE' RED	36-010-00-PP	1
4	DECAL TAG HYD. FLOW 'RETURN' BLACK	36-011-00-PP	1
5	DECAL 'GREASE MONTHLY' > RIGHT ARROW	36-016-04-PP	1
6	DECAL 'GREASE MONTHLY' < LEFT ARROW	36-016-05-PP	1
7	DECAL RS1000 WASH PERFORMANCE	36-053-09-PP	1
8	DECAL RS1000 EVOLUTION 3.8" x 22.5"	36-053-10-PP	1
9	CALL UP BUMPER ASSEMBLY	44-596-00-PP	2
10	PIVOT ARM BLKHD BRKT AL	53-000-01-BK	1
11	HYDR. HOSE SHIELD	53-000-04-MP	1
12	1/2" TERM. SLEEVE x1-1/2" LG.	53-002-01-MP	1
13	OIL RESERVOIR MOUNTING POST	53-160-00-SG	2
14	ANGLE-RESERV. BULKHD BLACK	53-161-01-BK	1
15	JUNCTION BOX MTG. ANGLE BLACK	53-161-03-BK	1
16	PIVOTING ARM WELDMENT S/G	53-200-00-SG	1
17	SMC EYE BRACKET NCA1-P150	53-200-06-MP	1
18	RS1000 WATER MANIFOLD ASS'Y	53-600-00-MP	1
19	WSHR SS FLT 3/8"	80-106-000-SI	4
20	WASHER FLAT SS #10	80-110-000-SN	2
21	WSHR SS FLAT SAE 1/4"	80-204-000-SI	1
22	WSHR SS FLAT SMALL-OD 1/4"	80-304-000-SI	17
23	WSHR SS LOCK 1/4"	80-904-000-SI	2
24	LOCK WASHER 3/8" SS	80-906-000-SI	4
25	HHCS SS 1/4"-20 x 1"	82-504-016-SIC	5
26	HHCS SS 1/4"-20 x 1-1/2"	82-504-024-SIC	1

53-002-50-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
27	HHCS SS 1/4"-20 x 2-1/2"	82-504-040-SIC	2
28	HHCS SS 1/4-20x2-3/4"	82-504-044-SIC	2
29	HHCS SS 1/4-20x3"	82-504-048-SIC	1
30	SHCS SS 3/8-16 X 1-1/4"	82-706-020-SIC	4
31	SCREW SS BTN-HD 1/4"-20 X 3/4"	83-204-012-SIC	1
32	SCRW SS PAN-HD PHL #10-24 x 1/2"	83-510-008-SNC	2
33	NUT SS JAM 7/16"-20	84-107-000-SIF	2
34	NUT SS JAM 3/4"-16	84-112-000-SIF	2
35	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	7
36	FTG AIR BULKHEAD UNION 1/4"TBE X 1/4"TBE	90-005-01-PP	3
37	FTG BULKHD AIR 3/8"TBE-3/8"TBE	90-005-02-PP	1
38	CYLINDER AIR 1-1/2" BORE X 2" STROKE	90-100-11-PP	2
39	THROTTLE VALVE 1/8"NPT-1/4"TBE NKLPLTRING	90-140-03-PP	2
40	HOSE BLOCK 5/8"DBL CUSHION PAIR	90-152-01-PP	2
41	BEARING PILLOW BLOCK 1-1/2" BORE	90-191-01-PP	2
42	FTG ELB STREET 1/8"NPT 90° X115-A	90-211-02-PP	2
43	FTG ELB 1/4"TBE-SOCKET PLJ1/4	90-222-00-PP	1
44	FTG ELB SWV 1/4"TBE-1/8"MPT	90-223-02-PP	2
45	FTG 'Y' 1/4"TUBE 6560-04-00	90-253-04-PP	1
46	CLAMP WATER PIPE CLIC #20	90-259-01-PP	1
47	FTG TEE HYD. 3/4"-16 203003-8-8S-8	95-020-00-PP	2
48	VALVE PRESSURE RELIEF 3/4"-16	95-144-01-PP	1
49	FTG HYD BULKHEAD 2041-8-8S	95-311-10-PP	2

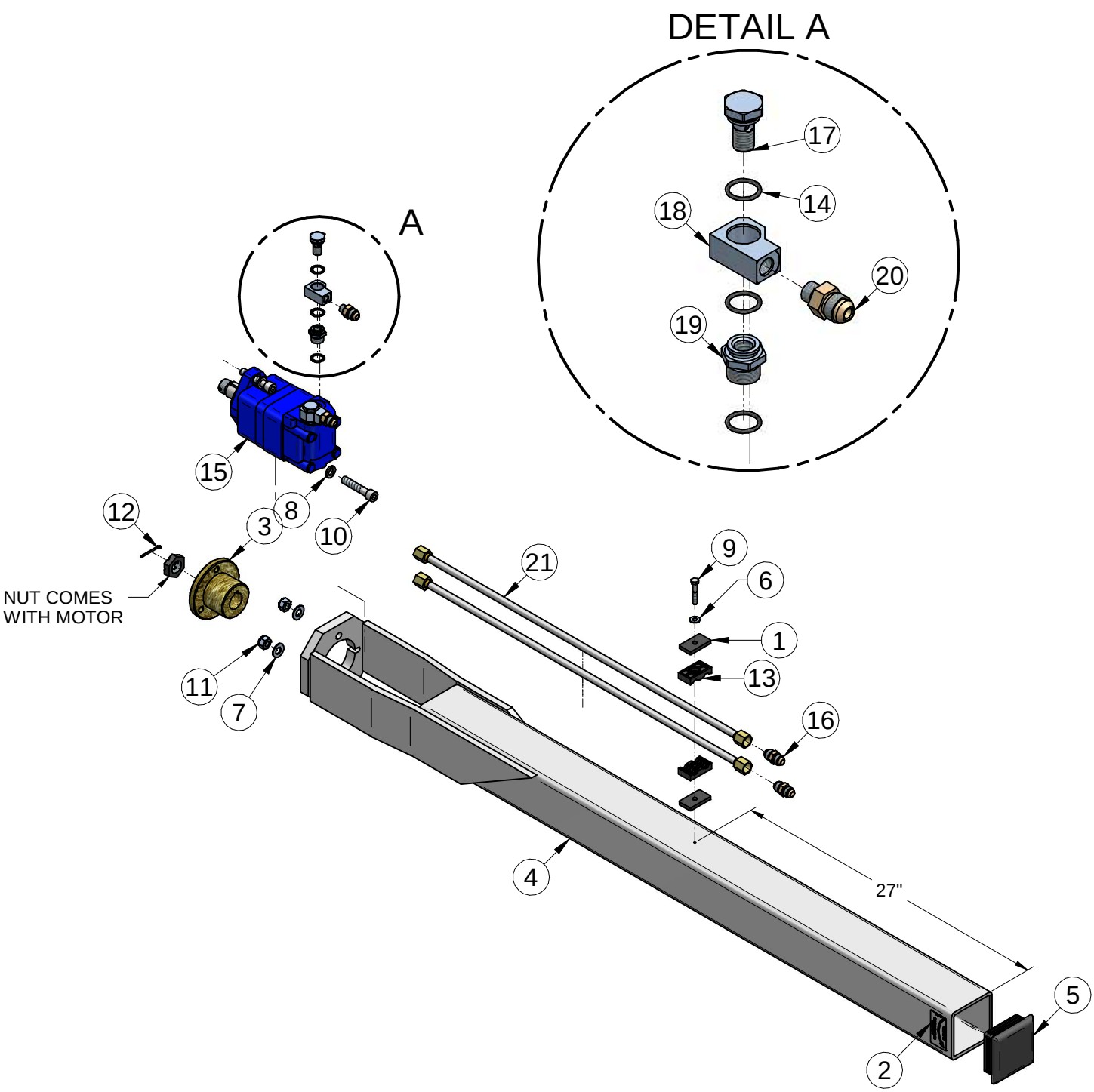
53-600-00-MP WATER MANIFOLD EXPLOSION



53-600-00-MP WATER MANIFOLD PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	NOZL ANTIDRIP BODY 1/2" 402745	10-200-01-PP	2
2	NOZL BODY O RING	10-200-03-PP	2
3	NZL CAP BODY W/ DIAPHRAM CAM LOCK 40Deg 08 CAPCTY QJFJP4008	10-200-22-PP	2
4	RS1000 WATER MANIFOLD PIPE 7 1/2"	53-600-01-MP	1
5	FTG END CAP 1/2" SCH40 PVC Gray	53-600-02-PP	1
6	WSHR SS FLAT SMALL-OD 1/4"	80-304-000-SI	2
7	SHCS SS 1/4-20x2"	82-704-032-SIC	2
8	SCREW SS PHL PAN-HD #10-24 x 5/8"	83-510-010-SNC	2
9	SPACER NYLON 1/2" DIA x 5/8" TH	89-008-010-NI	2
10	1/2" X 3/8" PVC SCH 40 GREY SOCXFIP 435-073G	90-070-05-PP	1
11	HOSE BLCK SNGL CSHN PAIR 1/2"PIPE	90-153-01-PP	1
12	ELBOW SWV 3/8"NPT X 3/8" TBE	90-225-00-PP	1

53-300-00-MP EXPLOSION



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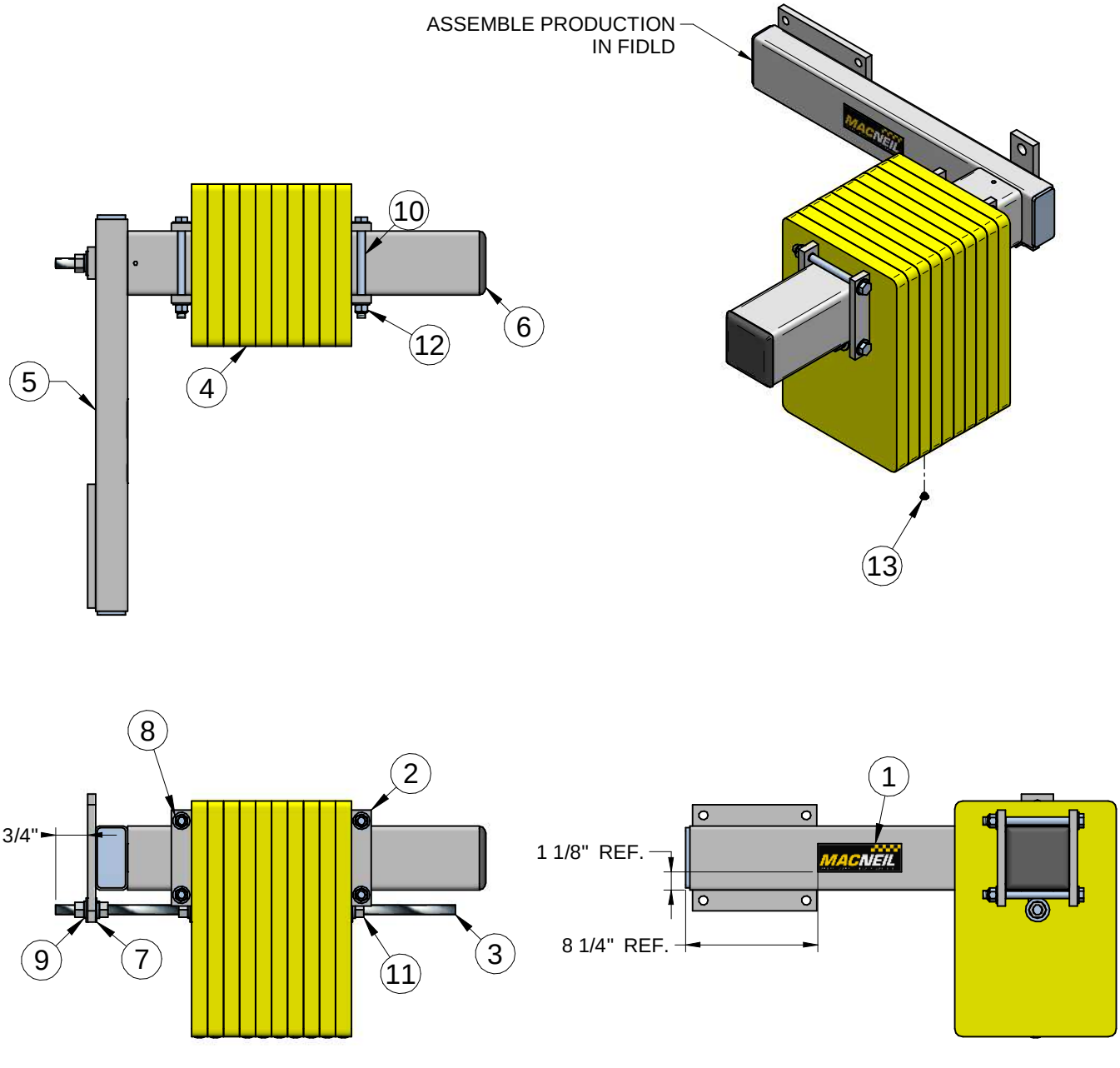
53-300-00-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	PLATE - HOSE BLOCK - BLACK	15-120-00-BK	2
2	DECAL 100 RPM W/ARROW CCW	36-070-03-PP	1
3	LARGE BORE MOTOR HUB ZNKPLT	41-702-00-ZN	1
4	BRUSH MOTOR MOUNT WELDMENT	53-310-00-SG	1
5	END CAP 4" x 4" TUBE SQR-40-0408	65-350-00-PP	1
6	WSHR SS FLAT 5/16"	80-105-000-SI	1
7	WASHER FLAT 1/2" SS	80-208-000-SI	2
8	LOCK WASHER SS 1/2"	80-908-000-SI	2
9	HHCS SS 5/16"-18 x 1-3/4"	82-505-028-SIC	1
10	SHCS SS 1/2"-13 x 2-1/2"	82-708-040-SIC	2
11	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	2
12	PIN BARE COTTER 1/8" X 1-1/2"	86-002-024-BI	1
13	HOSE BLOCK 1/2" DBL CUSHION PAIR	90-152-00-PP	1
14	O-RING 568-910	90-450-06-PP	6
15	MOTOR HYD. 1011 CHAR-LYNN BLUE	95-100-08-BL	1
16	FTG HYD 1/2"MJIC X 1/2"MJIC 842-FS-08	95-110-00-PP	2
17	HYDRAULIC BANJO BOLT	95-256-10-PP	2
18	HYDRAULIC BANJO BLOCK	95-256-20-PP	2
19	HYDRAULIC BANJO BUSHING	95-256-30-PP	2
20	HYD FTG SAE O-RING TO 37 DEG FLARE	95-306-08-PP	2
21	HYD. TUBE ASS'Y RS1000 BRUSH	95-640-00-MP	2

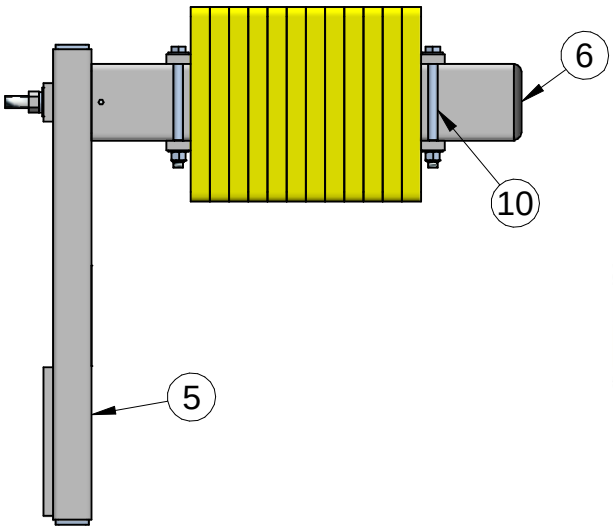
53-003-50-MP SIDE VIEW

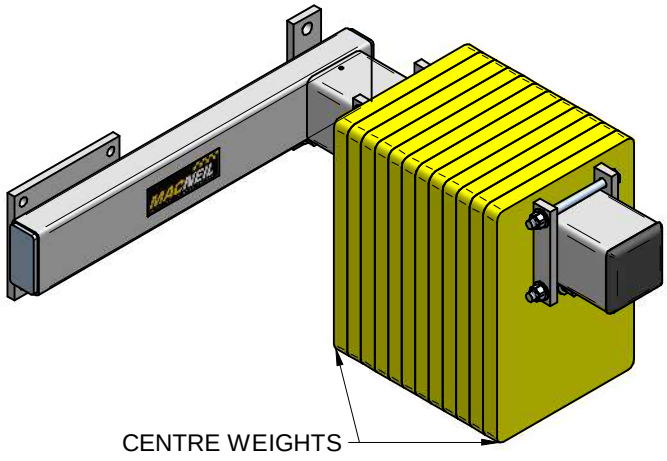


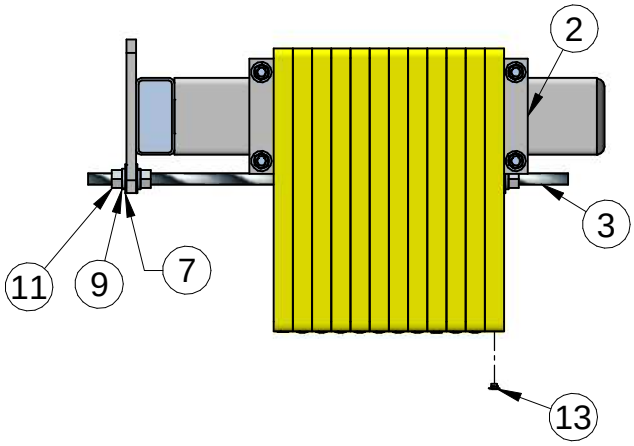
53-003-50-MP PARTS LIST

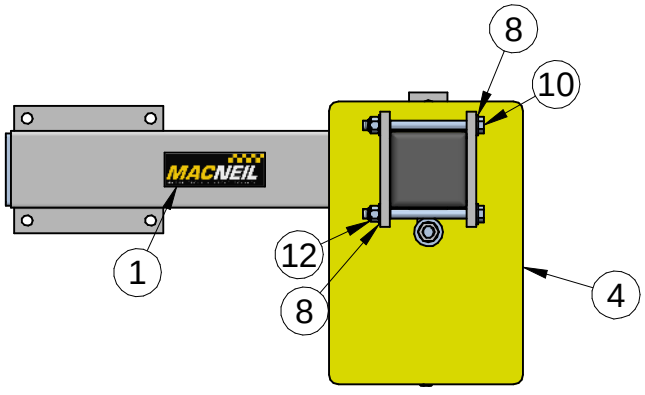
REF.	DESCRIPTION	PART NUMBER	QTY
1	DECAL "MACNEIL"	36-000-00-PP	1
2	COUNTER WEIGHT SAFETY CLAMP	53-150-03-SG	4
3	COUNTER WEIGHT ROD 5/8"-11 x 25"	53-150-04-MP	1
4	COUNTER WEIGHT - P/COATED	53-150-11-YL	10
5	COUNTER WEIGHT ELBOW	53-210-00-SG	1
6	END CAP 4" x 4" TUBE SQR-40-0408	65-350-00-PP	1
7	FLAT WASHER 5/8" SS	80-110-000-SI	4
8	WASHER FLAT 1/2" SS	80-208-000-SI	8
9	LOCK WASHER 5/8" SS	80-910-000-SI	4
10	HHCS 1/2"-13 x 6" SS	82-508-096-SIC	4
11	HEX NUT 5/8"-11 SS	84-010-000-SIC	4
12	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	4
13	PLUG PUSH PIPE PLASTIC 3/8" Caplug	90-054-10-PP	10

53-004-50-MP SIDE VIEW





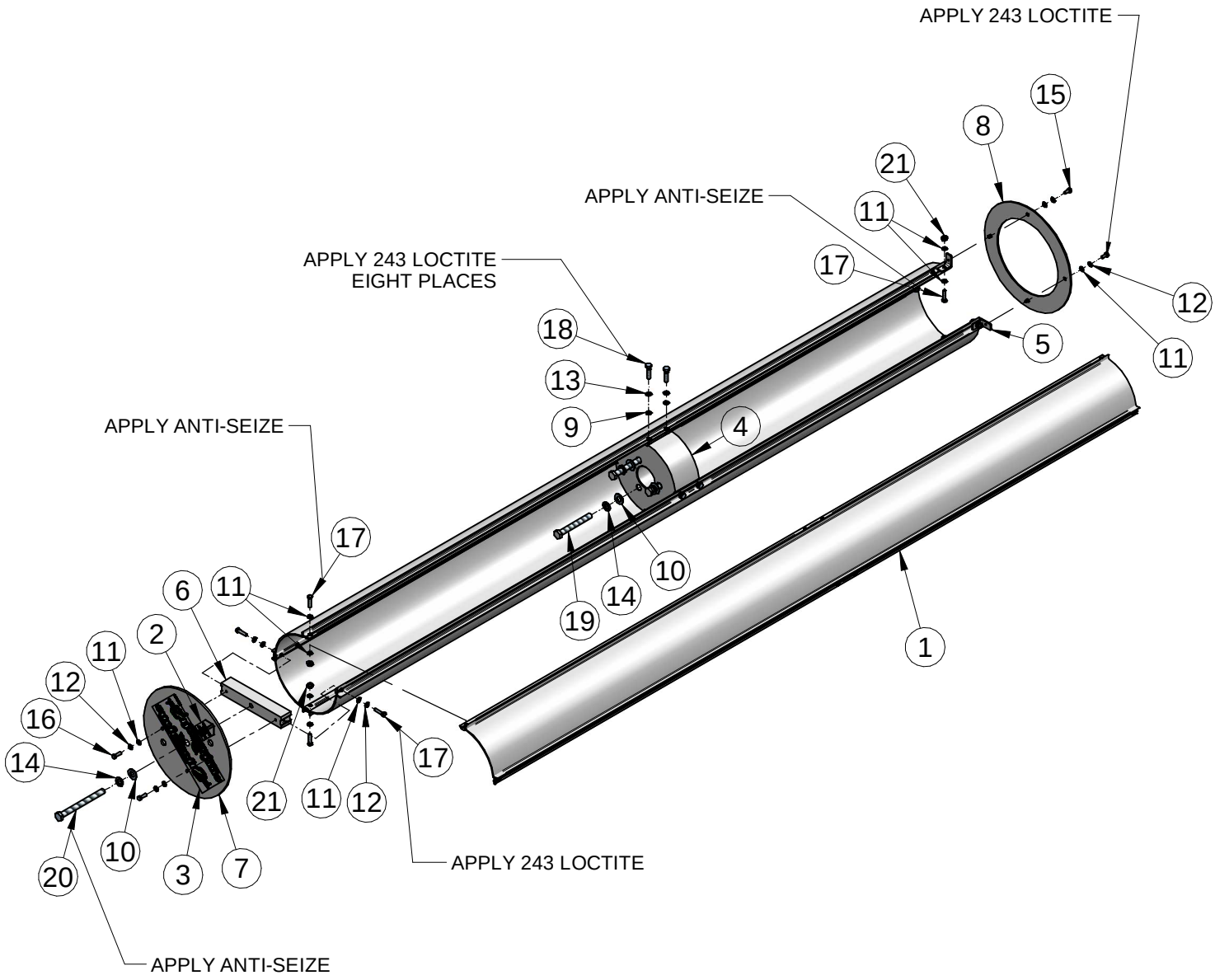




53-004-50-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	DECAL "MACNEIL"	36-000-00-PP	1
2	COUNTER WEIGHT SAFETY CLAMP	53-150-03-SG	4
3	COUNTER WEIGHT ROD 5/8"-11 x 25"	53-150-04-MP	1
4	COUNTER WEIGHT - P/COATED	53-150-11-YL	12
5	COUNTER WEIGHT ELBOW	53-210-00-SG	1
6	END CAP 4" x 4" TUBE SQR-40-0408	65-350-00-PP	1
7	FLAT WASHER 5/8" SS	80-110-000-SI	4
8	WASHER FLAT 1/2" SS	80-208-000-SI	8
9	LOCK WASHER 5/8" SS	80-910-000-SI	4
10	HHCS 1/2"-13 x 6" SS	82-508-096-SIC	4
11	HEX NUT 5/8"-11 SS	84-010-000-SIC	4
12	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	4
13	PLUG PUSH PIPE PLASTIC 3/8" Caplug	90-054-10-PP	12

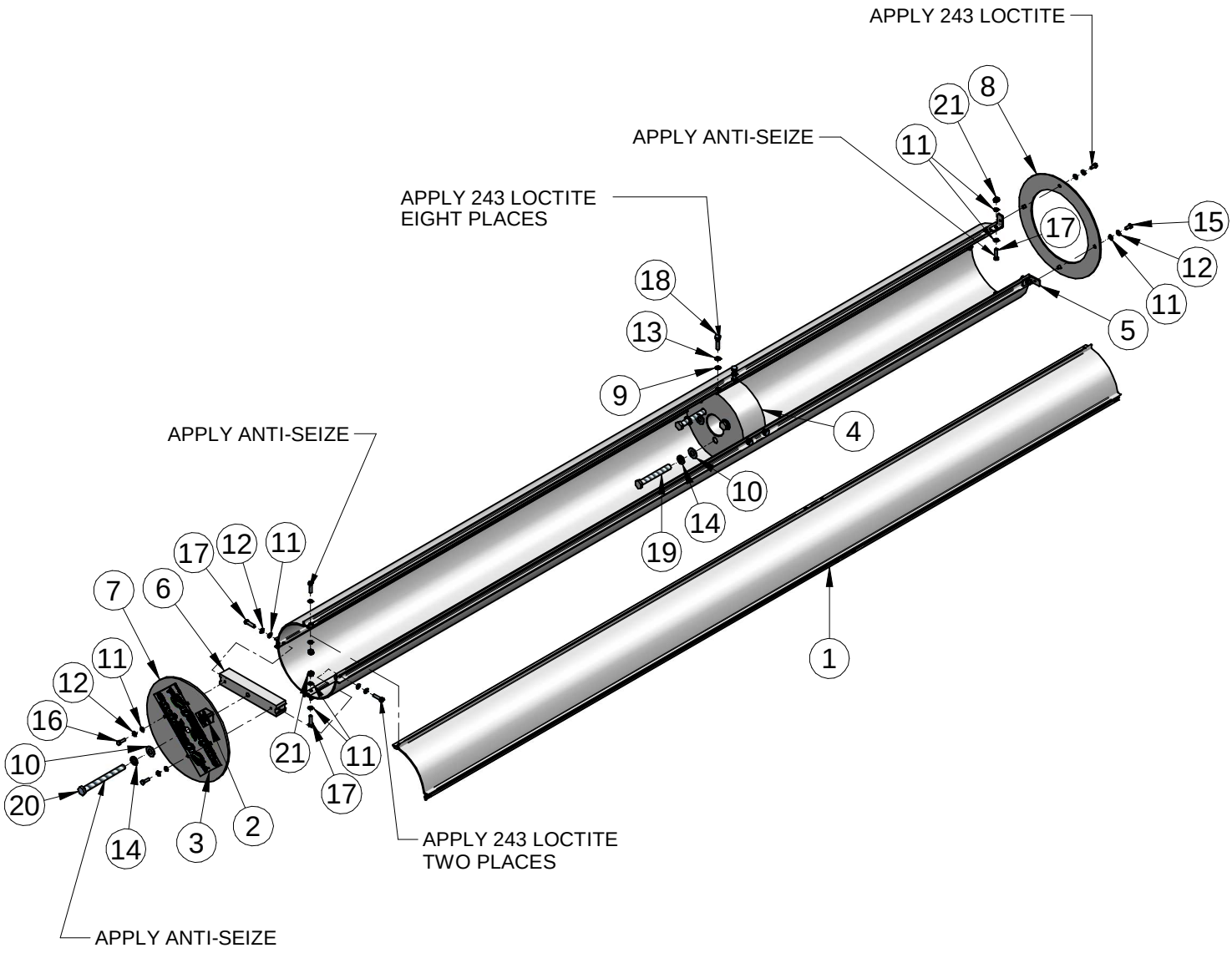
22-053-10-MP 82" EXPLOSION



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

22-053-30-MP 94" EXPLOSION

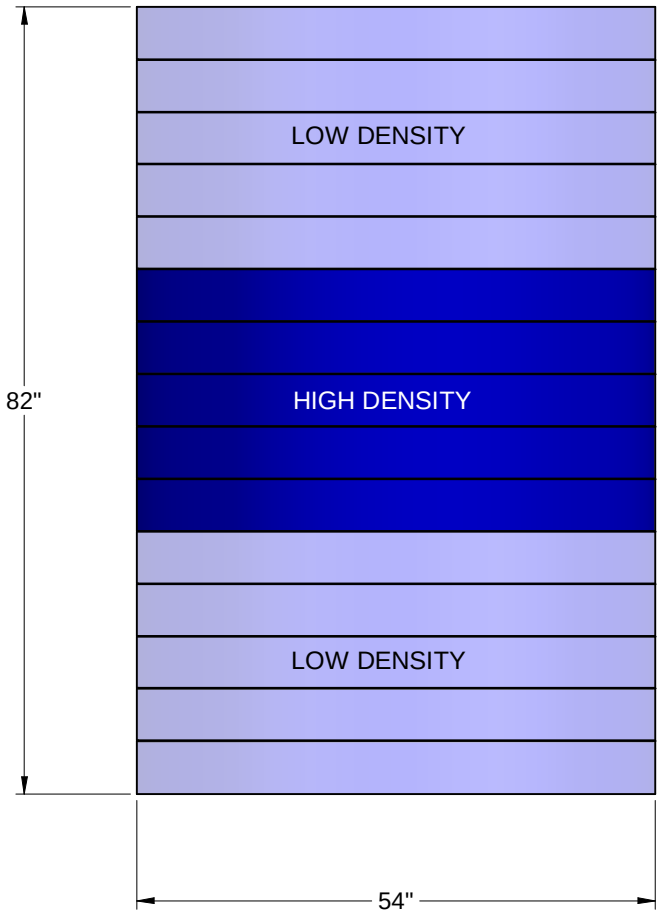


22-053-30-MP PARTS LIST

REF.	DESCRIPTION	PART NUMBER	QTY
1	EXTRUDED ALUMINUM 6063-T6 (1/8" WALL) 94"	22-053-02-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 2ND GEN 7-11/16"DIA. X 3" MACH'D AL	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

82" BRUSH CONFIGURATION

21-900-53-YY



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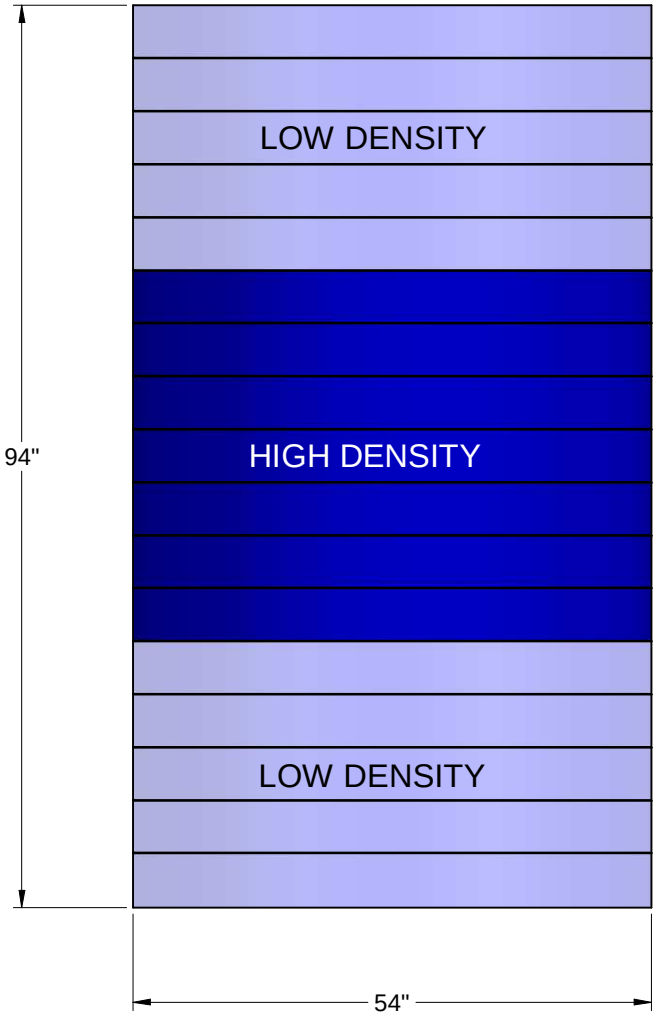
XX - COLOR CODE - SPECIFY

94" BRUSH CONFIGURATION

21-900-94-XX



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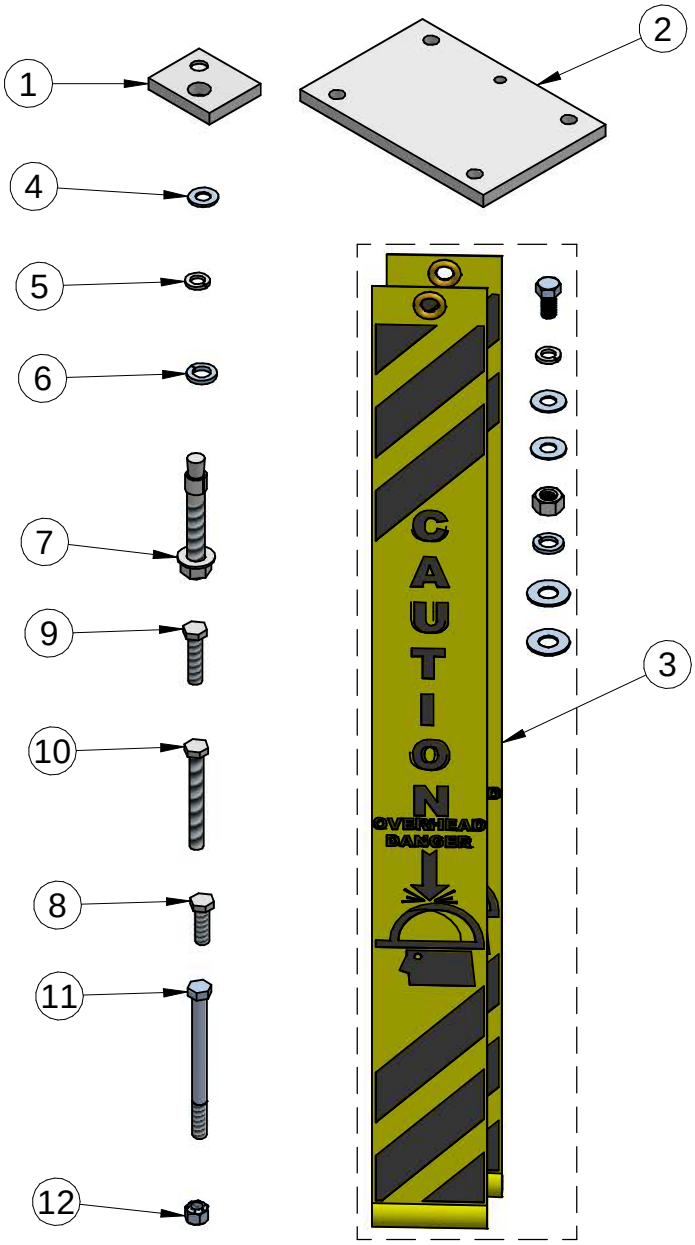
XX - COLOR CODE - SPECIFY

53-HDW-00-MP HDWR SHIPPING LIST



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