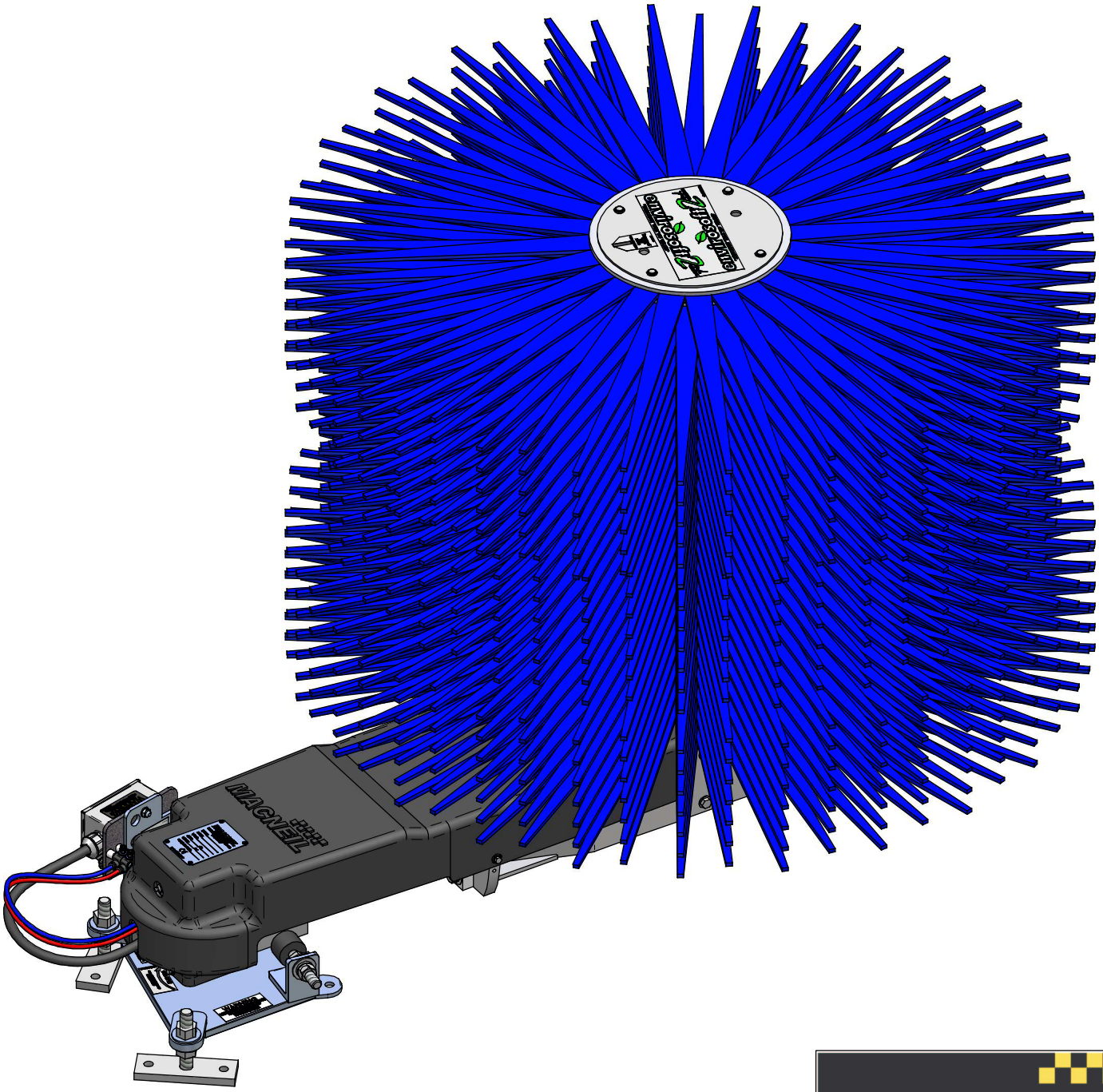
RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL



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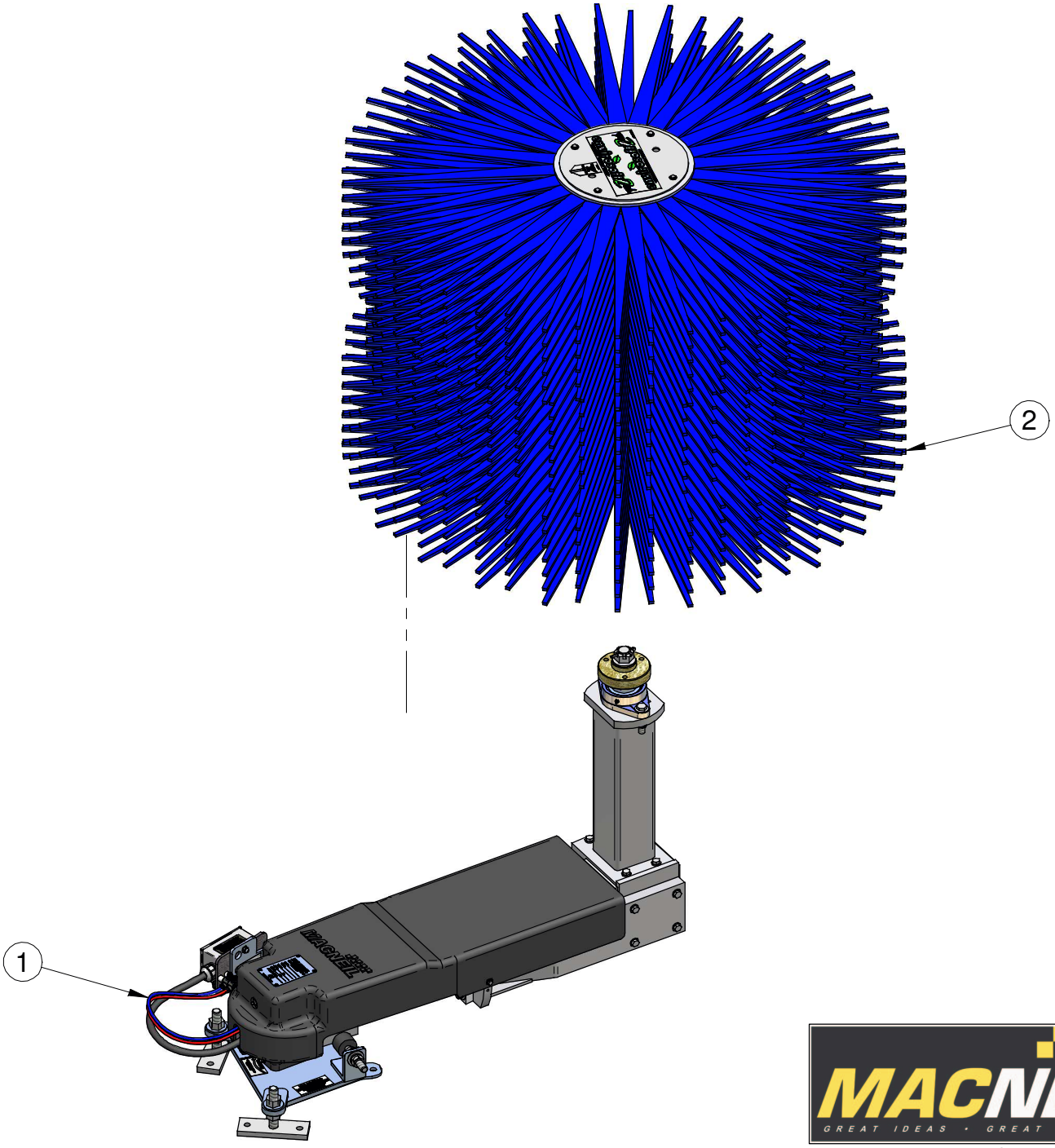
TITLE	RS400 SIDE BRUSH (ELECTRIC)	
PART NO EPL-RS400EL	DWG NO EPL-RS400EL	REV A
DATE: 06 JUNE 2006	SHEET 1 OF 16	

MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL

REF.	DESCRIPTION	PART NUMBER	QTY
1	LH ELECTRIC ARM ASSEMBLY	48-S10-00-001-E0	1
2	ELECTRIC RS400 HUB/CORE/FOAM ASSEMBLY	21-700-48-_P	1



MacNeil Wash Systems- Parts List

90 Welham Road, Barrie, Ontario 705-722-7649

TITLE RS400 SIDE BRUSH (ELECTRIC)		
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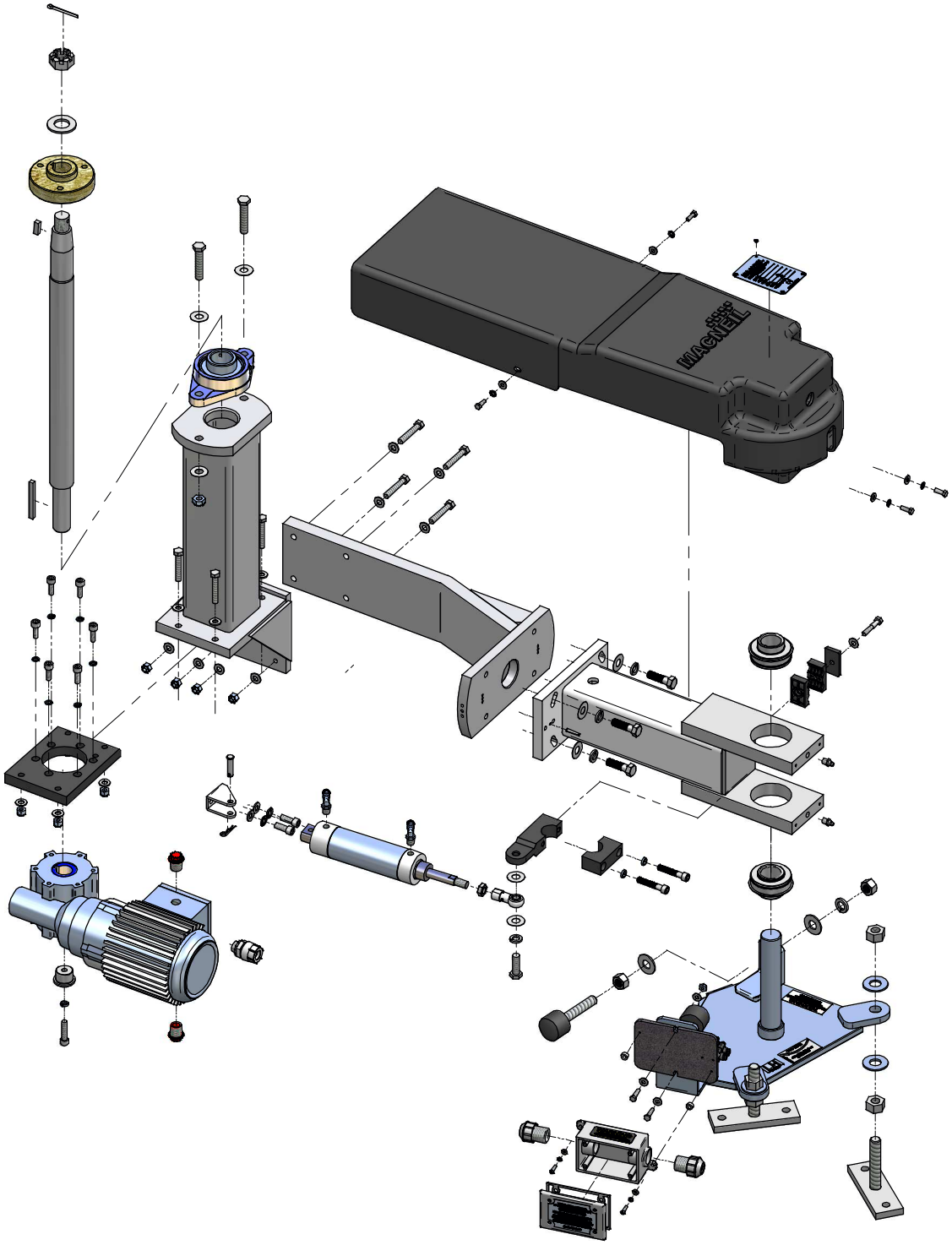
RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL



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TITLE RS400 SIDE BRUSH (ELECTRIC)		
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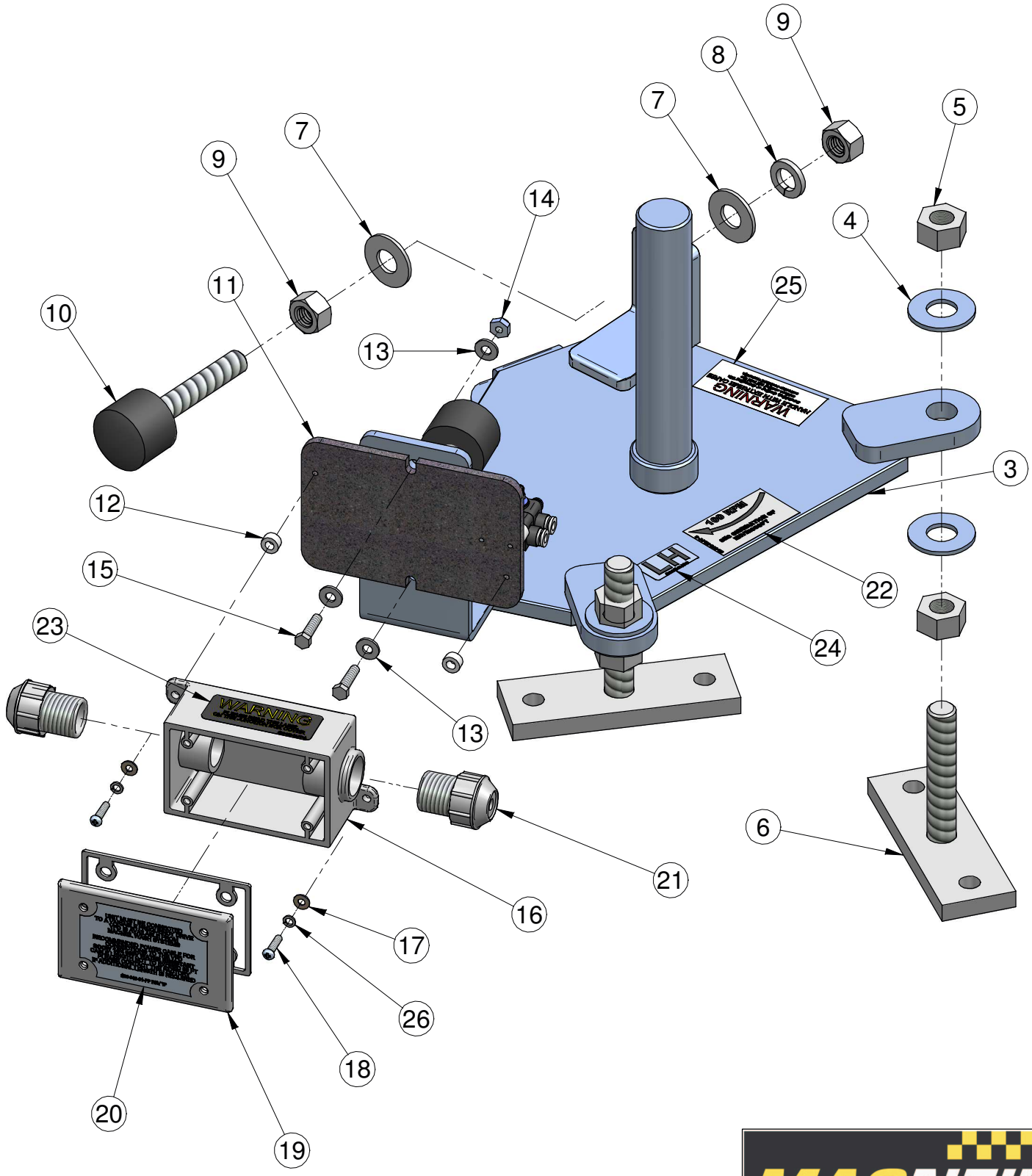
MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL



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TITLE	RS400 SIDE BRUSH (ELECTRIC)	
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MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (ELECTRIC)
DOCUMENT #EPL-RS400EL

REF.	DESCRIPTION	PART NUMBER	QTY
3	RS301/400 LH BASE	48-410-00-SG	1
4	WSHR SS FLAT THRUST 3/4"	80-612-000-SI	4
5	NUT SS 3/4"-10	84-012-000-SIC	4
6	ADJUSTER FOOT 4-1/2" SS WELDMENT	10-005-00-MP	2
7	FLAT WASHER 5/8" SS	80-110-000-SI	4
8	LOCK WASHER 5/8" SS	80-910-000-SI	2
9	NUT SS 5/8"-11	84-010-000-SIC	4
10	BUMPER STOP 5/8"-11 x 4" UNC	53-111-00-PP	2
11	JUNCTION BOX MOUNTING BRACKET BLACK ANODIZED	48-410-07-BK	1
12	NYLON SPACER 1/4"	89-008-004-NI	2
13	WASHER SS FLAT 1/4" (0.056"/0.063" THK)	80-104-000-SI	4
14	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	2
15	HHCS SS 1/4"-20 x 1"	82-504-016-SIC	2
16	JUNCTION BOX FSC-15 SINGLE	70-200-00-PP	1
17	WASHER FLAT SS #10	80-110-000-SN	2
18	SCREW PHL PAN-HD SS #10-24 x 3/4"	83-510-012-SNC	2
19	JUNCTION BOX COVER c/w GASKET BRC-15	70-201-00-PP	1
20	ELECTRICAL BOX VFD CONNECTION LABEL	36-040-01-PP	1
21	STRAIN RELIEF KIT SRC-15 THRD-SPIGOT	70-900-00-PP	2
22	BRUSH ROTATION DECAL 100 RPM CW	36-070-02-PP	1
23	DECAL 'WARNING READ JUNCTION BOX COVER'	36-040-02-PP	1
24	DECAL 'LH' 1-1/2" x 7/8"	36-007-02-PP	1
25	DECAL 'POWDERCOAT WARNING' 6" x 3-1/2"	36-012-00-PP	1
26	LOCK WASHER #10 S.S.	80-910-000-SN	2

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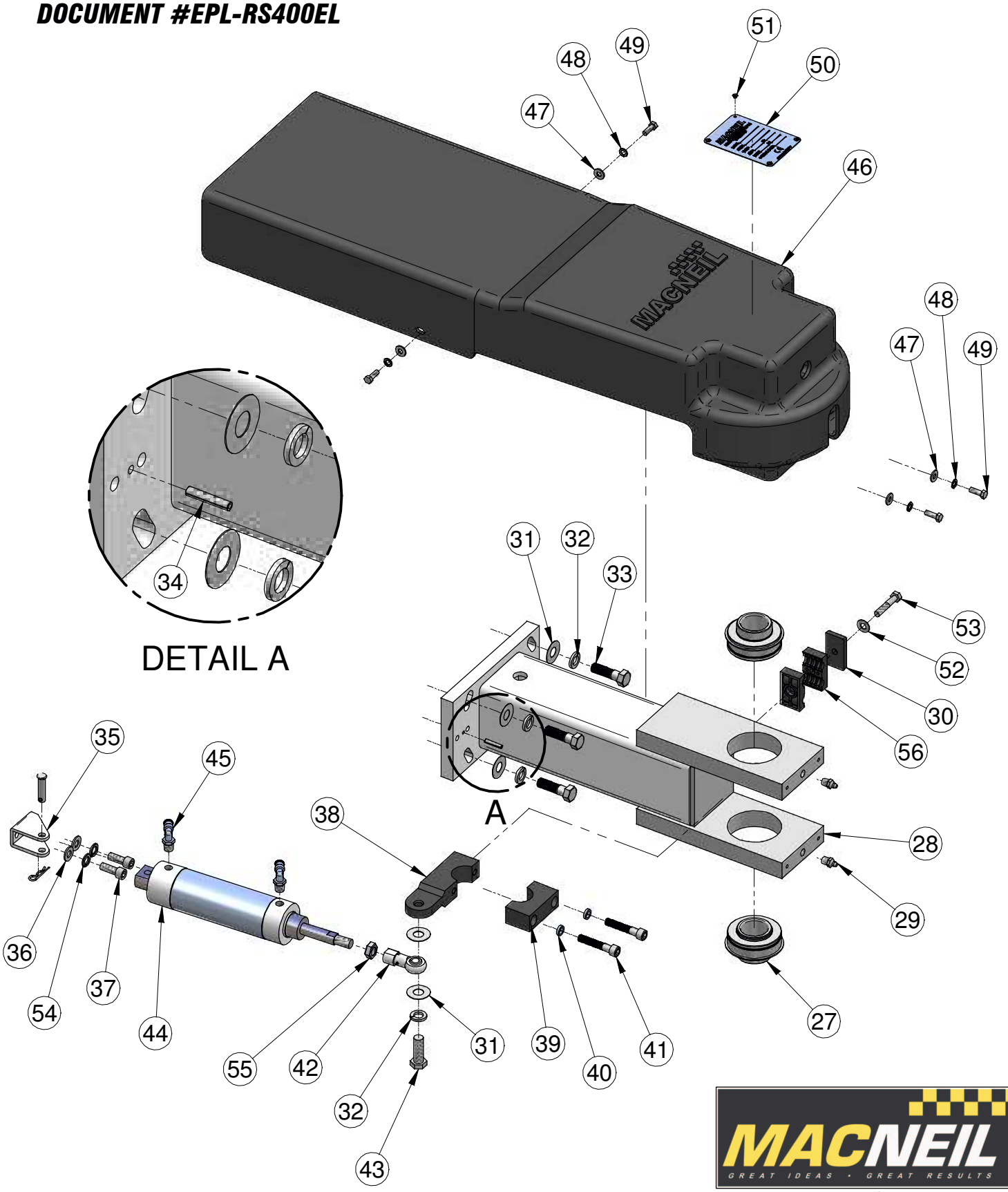
RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL



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TITLE	RS400 SIDE BRUSH (ELECTRIC)	
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MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL

REF.	DESCRIPTION	PART NUMBER	QTY
27	ER-23 SS BEARING SER207-23(ST/ST)	90-192-02-PP	2
28	UNIVERSAL PIVOT ARM	48-430-00-SG	1
29	1/8" NPT STRAIGHT GREASE NIPPLE	44-133-06-PP	2
30	PLATE - HOSE BLOCK - BLACK	15-120-00-BK	1
31	FLAT WASHER SS 1/2"	80-108-000-SI	6
32	LOCK WASHER SS 1/2"	80-908-000-SI	5
33	HHCS 1/2-13 x 1 3/4" S.S.	82-508-028-SIC	4
34	3/16" x 1" SLOTTED SPRING PIN S.S.	86-203-016-SI	2
35	PIVOT BRKT SS BP-19 S/S (c/w PIN & CLIP)	90-174-00-PP	1
36	WASHER FLAT 3/8" SS	80-106-000-SI	2
37	SHCS SS 3/8"-16 x 1"	82-706-016-SIC	2
38	BASE CYLINDER REAR CLAMP	48-410-05-BK	1
39	BASE CYLINDER FWD CLAMP	48-410-06-BK	1
40	WSHR SS LOCK 3/8" HIGH COLLAR	81-206-000-SI	2
41	SHCS 3/8-16 x 2" S.S.	82-706-032-SIC	2
42	ROD END TR8-N-SS 1/2"F-20 c/wGR NPL10/32	90-151-02-PP	1
43	HHCS SS 1/2"-13 x 1-1/2"	82-508-024-SIC	1
44	AIR CYLINDER 2000D02-04A	90-100-07-PP	1
45	FTG ELB SWV 1/4"TBE-1/4"NPT 6520-04-04	90-223-06-PP	2
46	RS301/RS400 ELEC. DRIVE COVER-BLACK	48-100-00-PP	1
47	WASHER SS FLAT 1/4" (0.056"/0.063" THK)	80-104-000-SI	4
48	WASHER SS LOCK 1/4"	80-904-000-SI	4
49	HHCS SS 1/4"-20 x 3/4"	82-504-012-SIC	4
50	MACNEIL SERIAL ID TAG -NEW LOGO	36-900-00-PP	1
51	RIVET AL 1/8"Dia PR-100-AI	87-002-000-AI	4
52	WSHR SS FLAT 5/16"	80-105-000-SI	1
53	HHCS SS 5/16"-18 x 1-3/4"	82-505-028-SIC	1
54	LOCK WASHER 3/8" SS	80-906-000-SI	2
55	NUT SS JAM 1/2"-20	84-108-000-SIF	1
56	HOSE BLOCK 1/2" DBL CUSHION PAIR	90-152-00-PP	1

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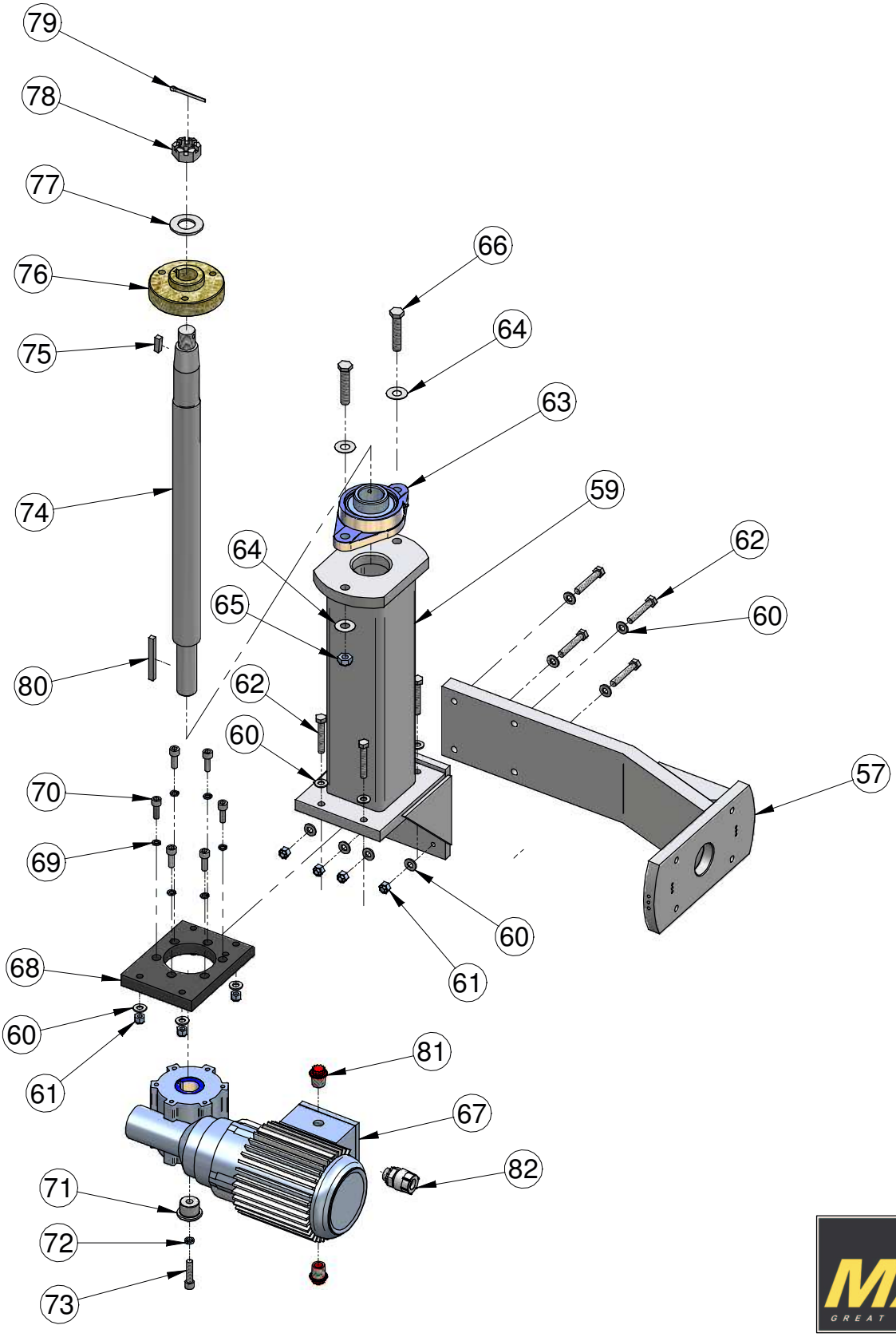
RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL



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TITLE RS400 SIDE BRUSH (ELECTRIC)		
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MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (ELECTRIC)
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REF.	DESCRIPTION	PART NUMBER	QTY
57	RS301/400 HORIZ. ARM ELEC. MTR MNT S/G	48-420-00-SG	1
58*	WIRE RING TERMINAL	70-015-02-PP	4
59	RS-301 EL. VER. ARM - SG	48-440-00-SG	1
60	WASHER FLAT 3/8" SS	80-106-000-SI	16
61	NUT SS NYLOCK 3/8"-16	85-006-000-SIC	8
62	HHCS SS 3/8"-16 x 2-1/4"	82-506-036-SIC	8
63	BEARING FLANGE 1-1/2" 2-HOLE SS	90-190-00-PP	1
64	FLAT WASHER SS 1/2"	80-108-000-SI	4
65	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	2
66	HHCS SS 1/2"-13 x 2-1/2"	82-508-040-SIC	2
67	HELICAL GEARED MOTOR, ELECTRIC-FLENDER STD	70-700-10-PP	1
68	MOTOR ADAPTER PLATE	48-460-00-BK	1
69	WSHR SS LOCK M8 HIGH COLLAR	81-208-000-SM	6
70	SHCS SS M8 X 25mm	82-708-025-SMC	6
71	GEAR BOX RETAINING BUSHING SS	53-710-04-PP	1
72	WSHR SS LOCK 3/8" HIGH COLLAR	81-206-000-SI	1
73	SHCS SS 3/8-16 X 1-1/2"	82-706-024-SIC	1
74	RS301/400 ELECTRIC DRIVE SHAFT 26-1/4" SS	48-455-00-MP	1
75	KEY SQR 8mm x 1" LG	53-710-08-PP	1
76	HUB-ELECTRIC DRIVE SHAFT 4-1/2"	56-575-00-ZN	1
77	WASHER FLAT SAE SS 1" ID X 2" OD X 0.134" THK NOM.	80-216-000-SI	1
78	NUT (BARE) CASTLE 1"-14 UNF	84-216-000-BIF	1
79	COTTER PIN SS 3/16" x 2"	86-003-032-SI	1
80	KEY SQR 8mm x 3"LG	53-710-07-PP	1
81	1/2" NPT PLUG-RED P48-B	90-054-08-PP	2
82	STRAIN RELIEF 1/2" c/w NUT&ORING O5534W	90-055-04-PP	1

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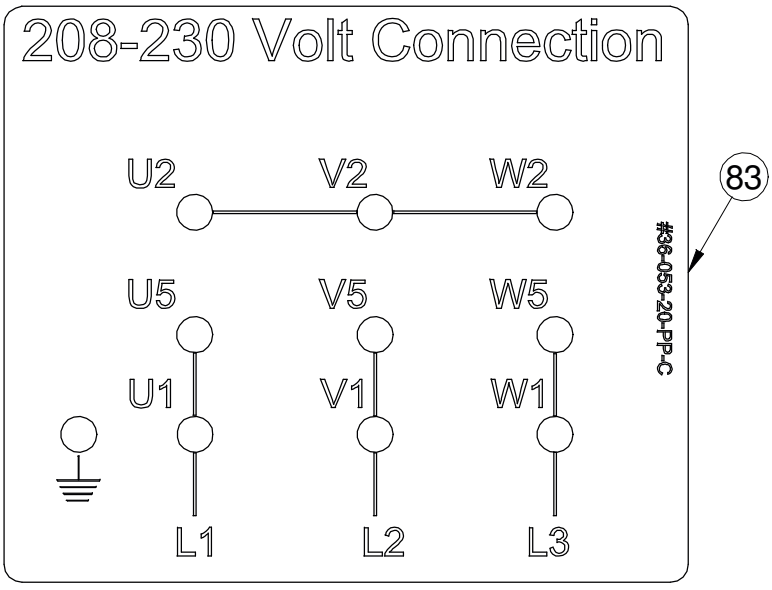
RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL

REF.	DESCRIPTION	PART NUMBER	QTY
83	DECAL 'MOTOR CONNECTION 208-230 VOLT'	36-053-20-PP	1

MOTOR WIRING & ASSY REQMN'T



GREEN BLACK RED WHITE

INSIDE MOTOR JUNCTION BOX,
ALL WIRE ENDS
TO HAVE 6" LONG LEADS W/#10
RING TERMINAL CONNECTORS
#70-015-02-PP (QTY 4)

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RS400 SIDE BRUSH (ELECTRIC)

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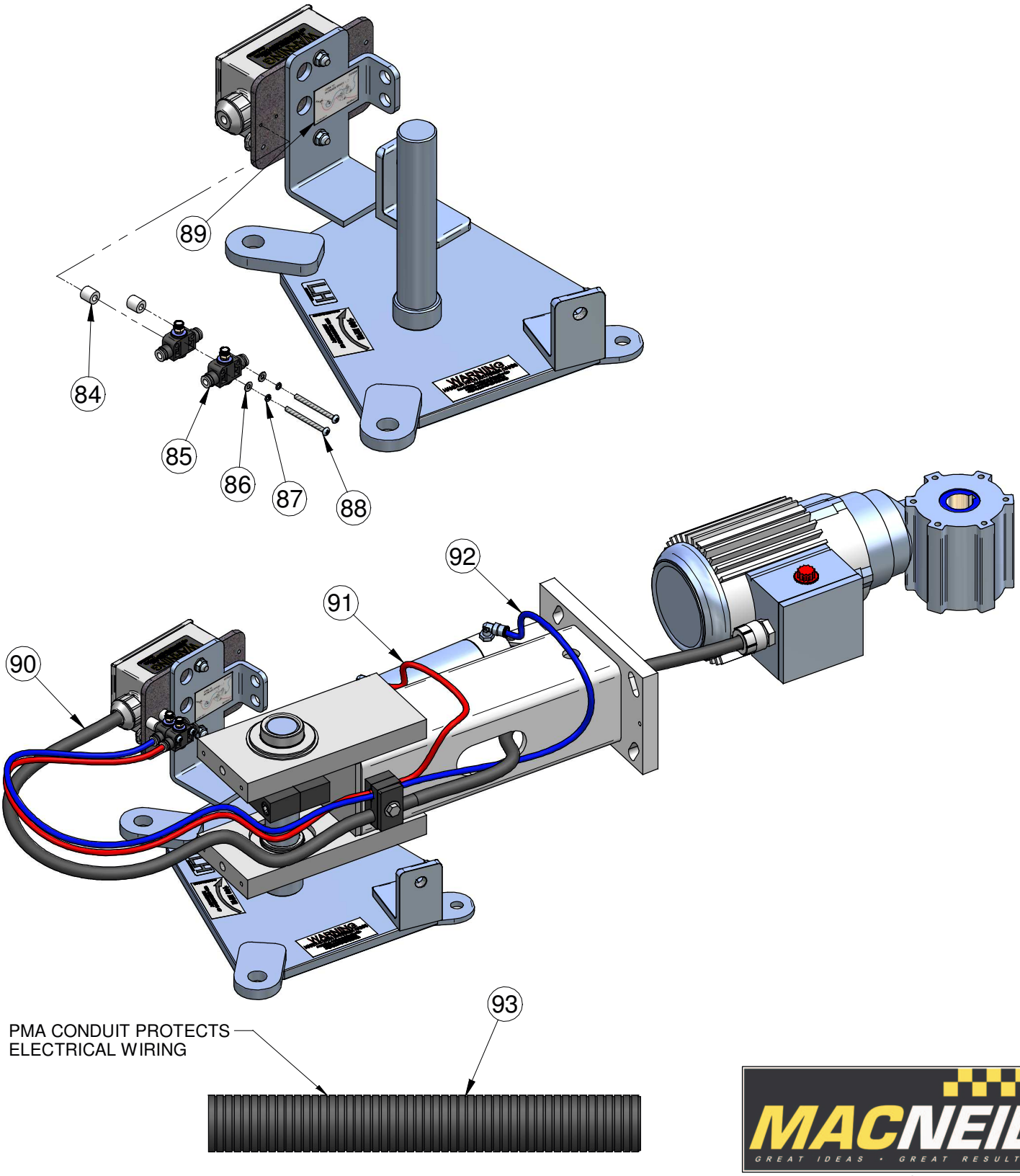

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MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (ELECTRIC)
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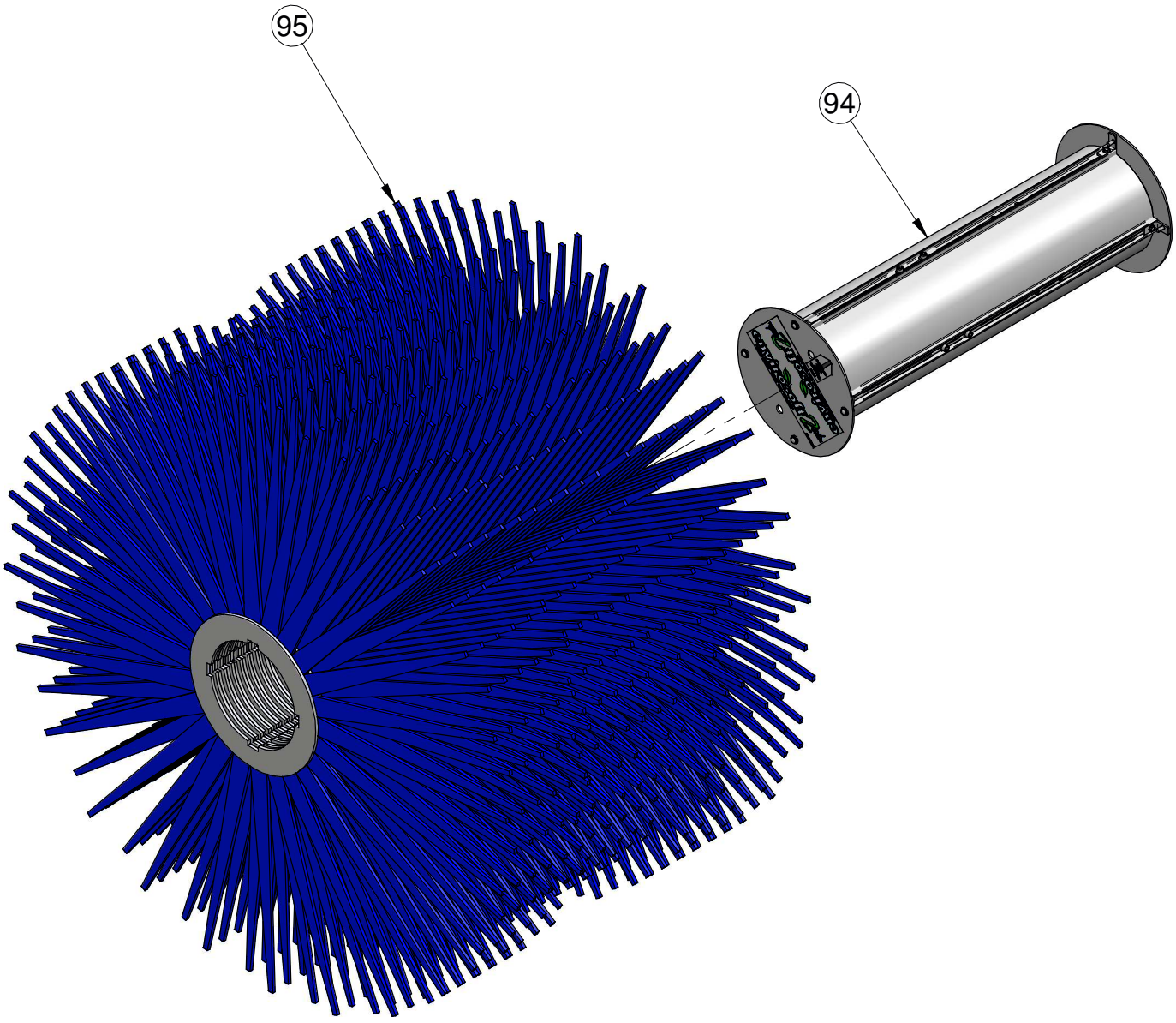
REF.	DESCRIPTION	PART NUMBER	QTY
84	SPACER NYLON 1/2" DIA x 1/2" SP237	89-008-008-NI	2
85	FTG IN LINE FLOW CONTROL JSU 1/4 LH	90-140-04-PP	2
86	FLAT WASHER SS #8	80-108-000-SN	2
87	LOCK WASHER SS #8	80-908-000-SN	2
88	SCREW PHL PAN-HD SS #8-32 x 2"	83-508-032-SNC	2
89	DECAL-AIR SCHEMATIC LH	36-048-04-PP	1
90	EL. WIRE 14/4 BLACK 62"	33-600-40-5BK	1
91	1/4" NYLON TUBE RED 48"	33-361-20-4RD	1
92	1/4" NYLON TUBE BLUE 48"	33-361-20-4BU	1
93	PMA CONDUIT PCLT-17B x 28"	90-068-01-PP	1

RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL

REF.	DESCRIPTION	PART NUMBER	QTY
94	ELECTRIC RS400 HUB/CORE/RING ASSEMBLY	22-048-10-MP	1
95	RS400 2nd GEN. ENVIROSOFT FOAM ASS'Y - BLUE	21-900-48-UP	1



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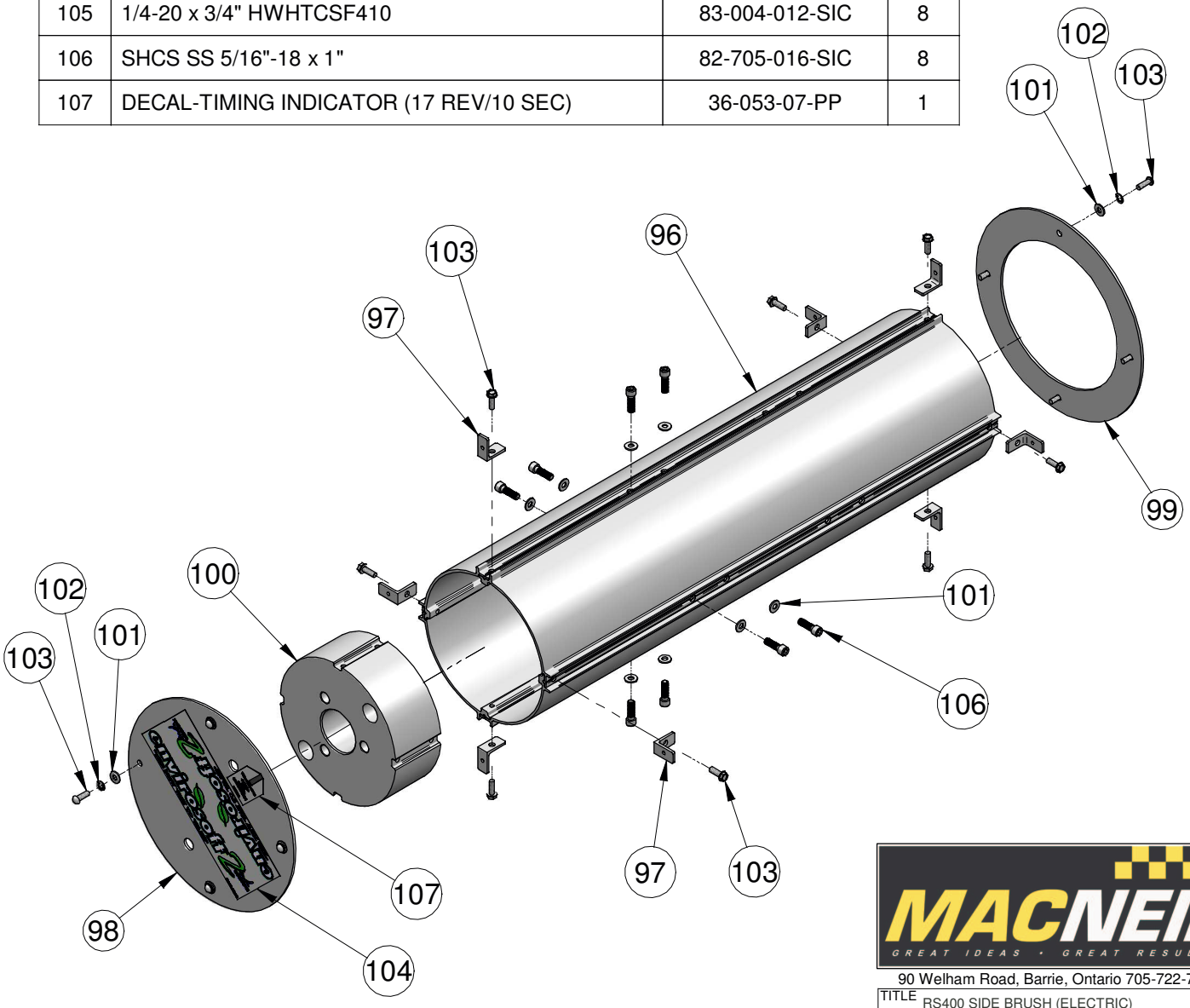
RS400 SIDE BRUSH (ELECTRIC)

DOCUMENT #EPL-RS400EL

REF.	DESCRIPTION	PART NUMBER	QTY
96	EXTRUDED ALUMINUM 6063-T6 (1/8" WALL) 30" LG	22-048-01-MP	4
97	DISK MOUNTING ANGLE	48-615-02-MP	8
98	BRUSH RETAINER DISC ALUM Ø11"	53-300-13-CL	1
99	RETAINING RING ALUM Ø11"	53-300-12-CL	1
100	CORE HUB	48-615-01-MP	1
101	WASHER SS FLAT 1/4" (0.056"/0.063" THK)	80-104-000-SI	16
102	WASHER SS LOCK 1/4"	80-904-000-SI	8
103	SCREW SS BTN-HD 1/4"-20 X 3/4"	83-204-012-SIC	8
104	DECAL 'ENVIROSOFT 2ND GENERATION' 4" x 9"	36-053-11-PP	1
105	1/4-20 x 3/4" HWHTCSF410	83-004-012-SIC	8
106	SHCS SS 5/16"-18 x 1"	82-705-016-SIC	8
107	DECAL-TIMING INDICATOR (17 REV/10 SEC)	36-053-07-PP	1



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RS400 SIDE BRUSH (ELECTRIC)

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PROPER ROTATION

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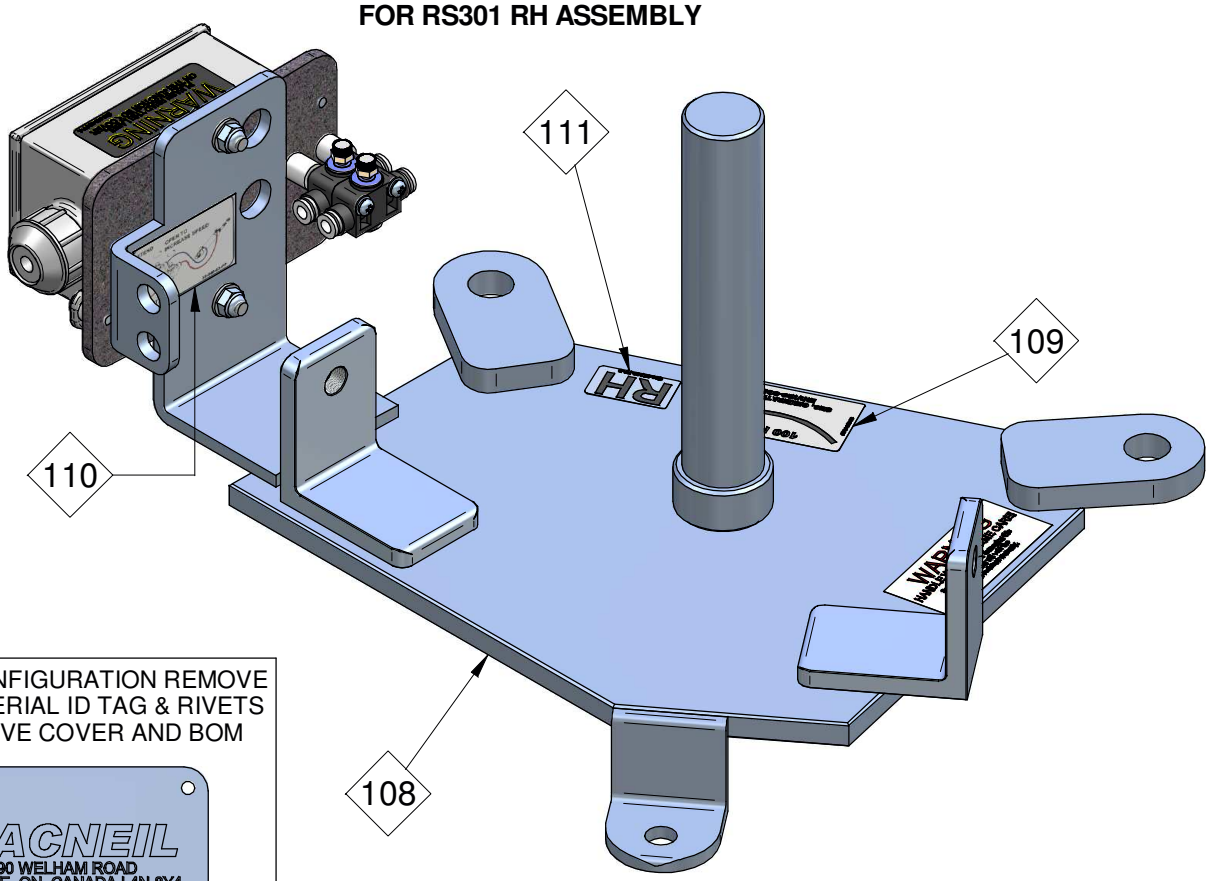
RS400 SIDE BRUSH (ELECTRIC)
DOCUMENT #EPL-RS400EL

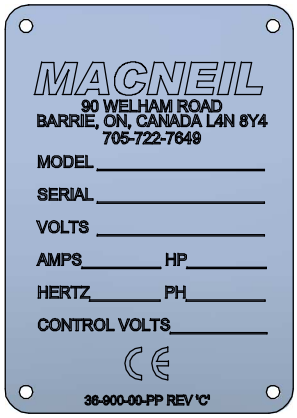
RH CONFIGURATION

REF.	DESCRIPTION	PART NUMBER	QTY
108	RS301/400/BASE PLATE RH-WELDMN'T	48-415-00-MP	1
109	DECAL 100 RPM W/ARROW CCW	36-070-03-PP	1
110	DECAL - AIR SCHEMATIC RH	36-048-03-PP	1
111	DECAL 'RH' 1-1/2" x 7/8"	36-007-03-PP	1

PARTS INDICATED BELOW SHOW WHICH PARTS TO SUBSTITUTE FOR RS301 RH ASSEMBLY



FOR RH CONFIGURATION REMOVE MACNEIL SERIAL ID TAG & RIVETS FROM DRIVE COVER AND BOM



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