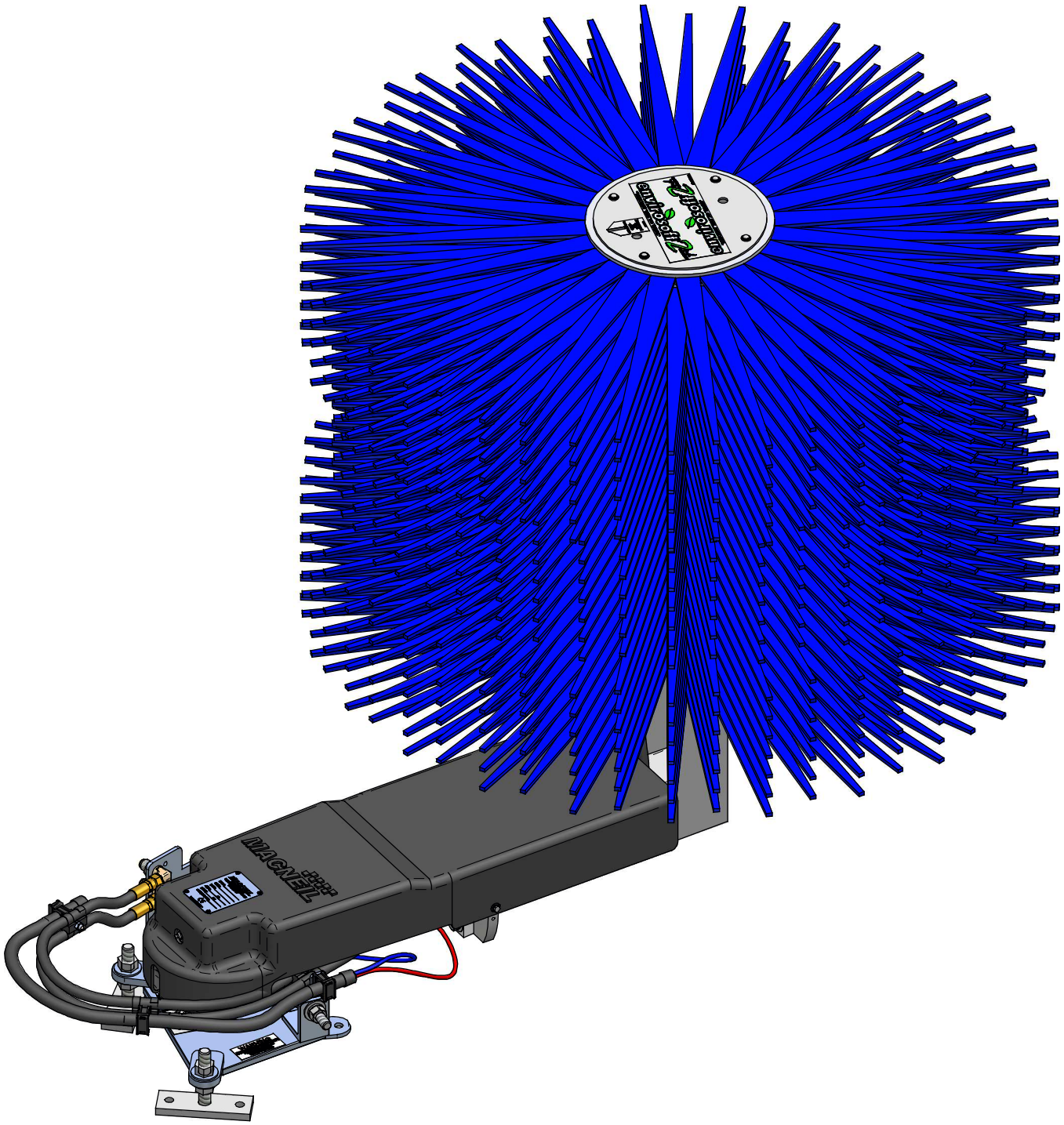
RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD



MacNeil Wash Systems- Parts List

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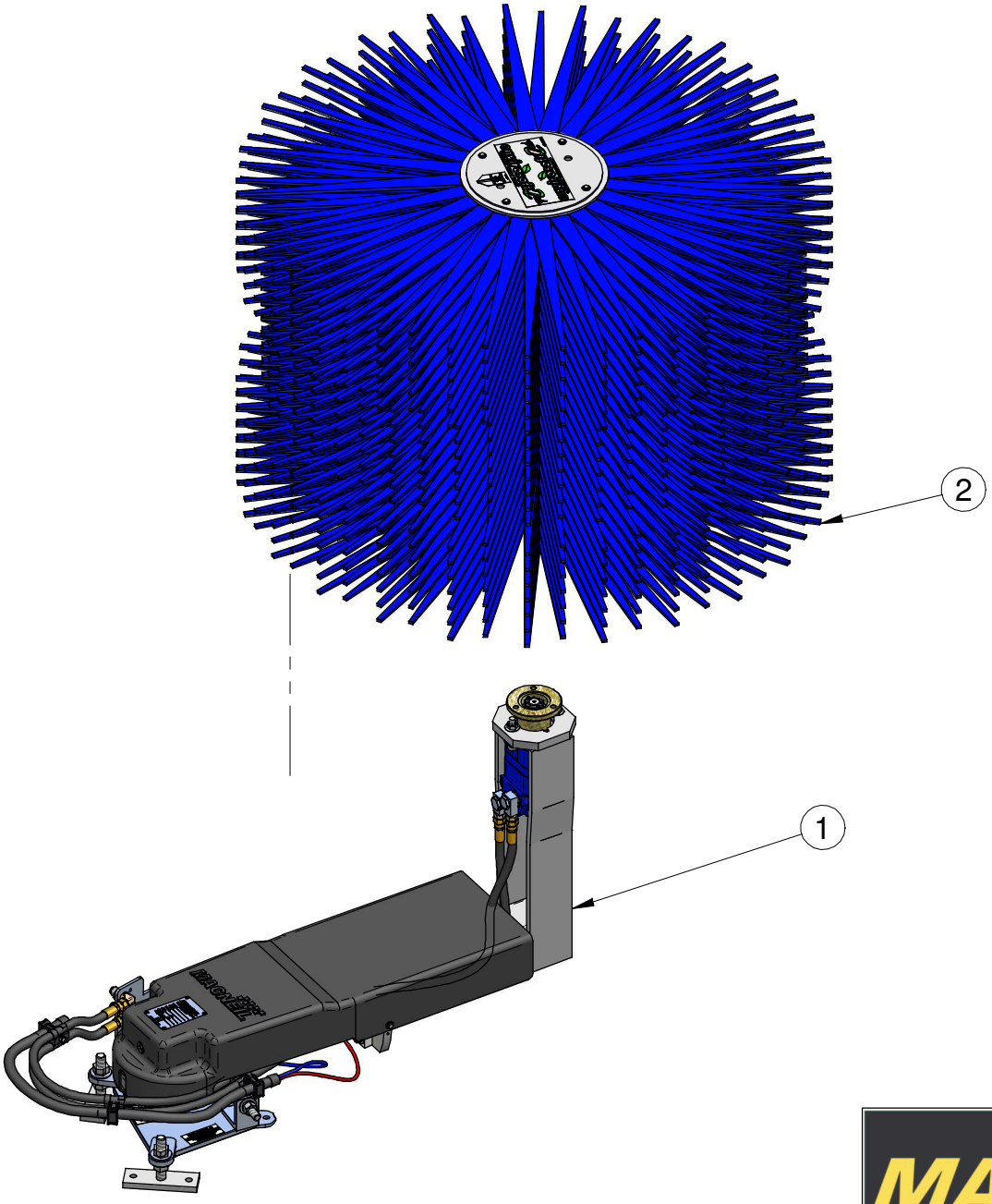
TITLE RS400 SIDE BRUSH (HYDRAULIC)		
PART NO EPL-RS400HYD	DWG NO EPL-RS400HYD	REV B
DATE: 01 JUNE 2006	SHEET 1 OF 17	

RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD

REF.	DESCRIPTION	PART NUMBER	QTY
1	LH HYDRAULIC ARM ASSEMBLY	48-S10-00-001-00	1
2	RS400 HYDRAULIC HUB/CORE/FOAM ASSEMBLY	22-048-20-_MP	1



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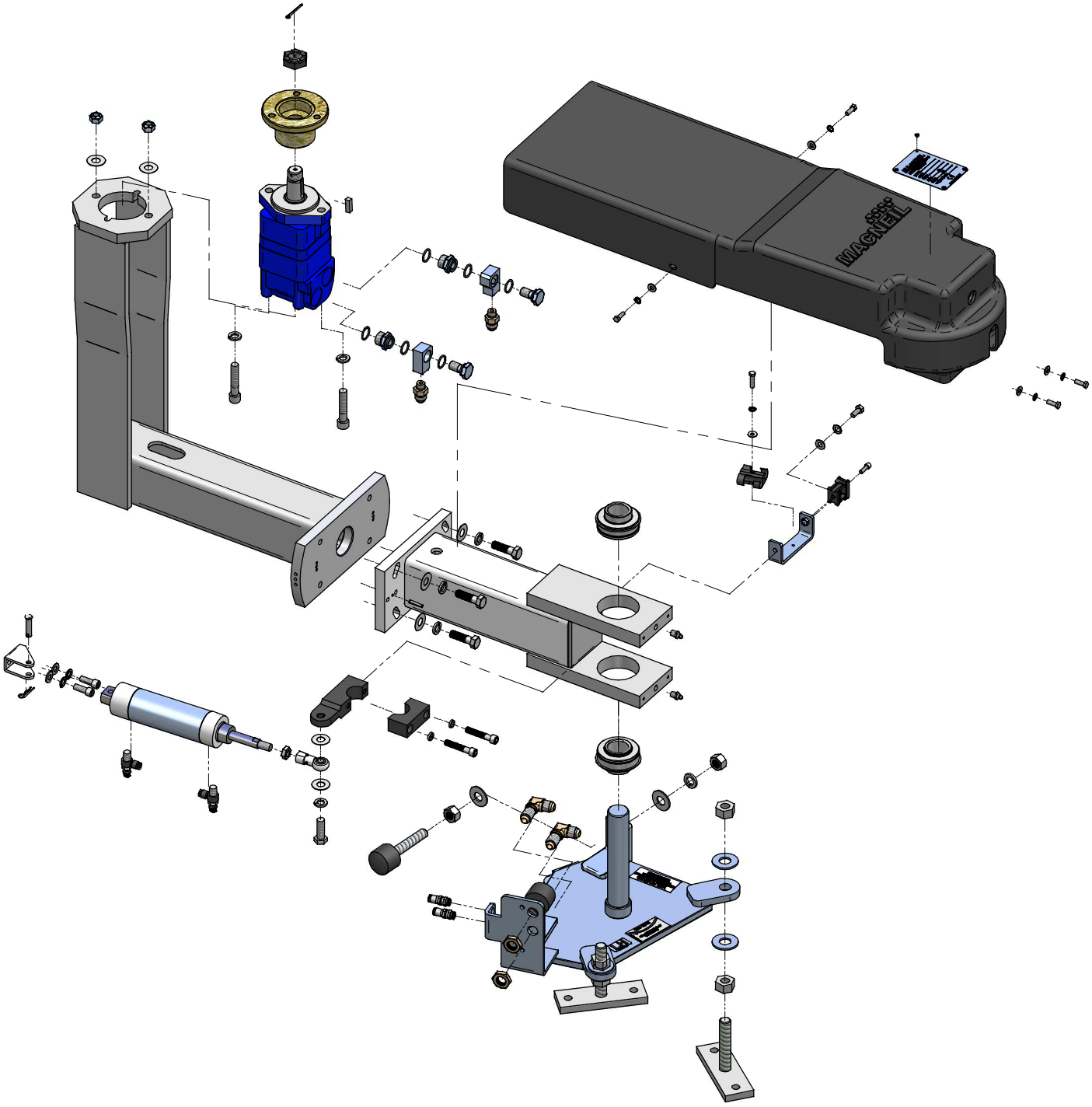
TITLE	RS400 SIDE BRUSH (HYDRAULIC)	
PART NO EPL-RS400HYD	DWG NO EPL-RS400HYD	REV B
DATE: 01 JUNE 2006	SHEET 2 OF 17	

MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD



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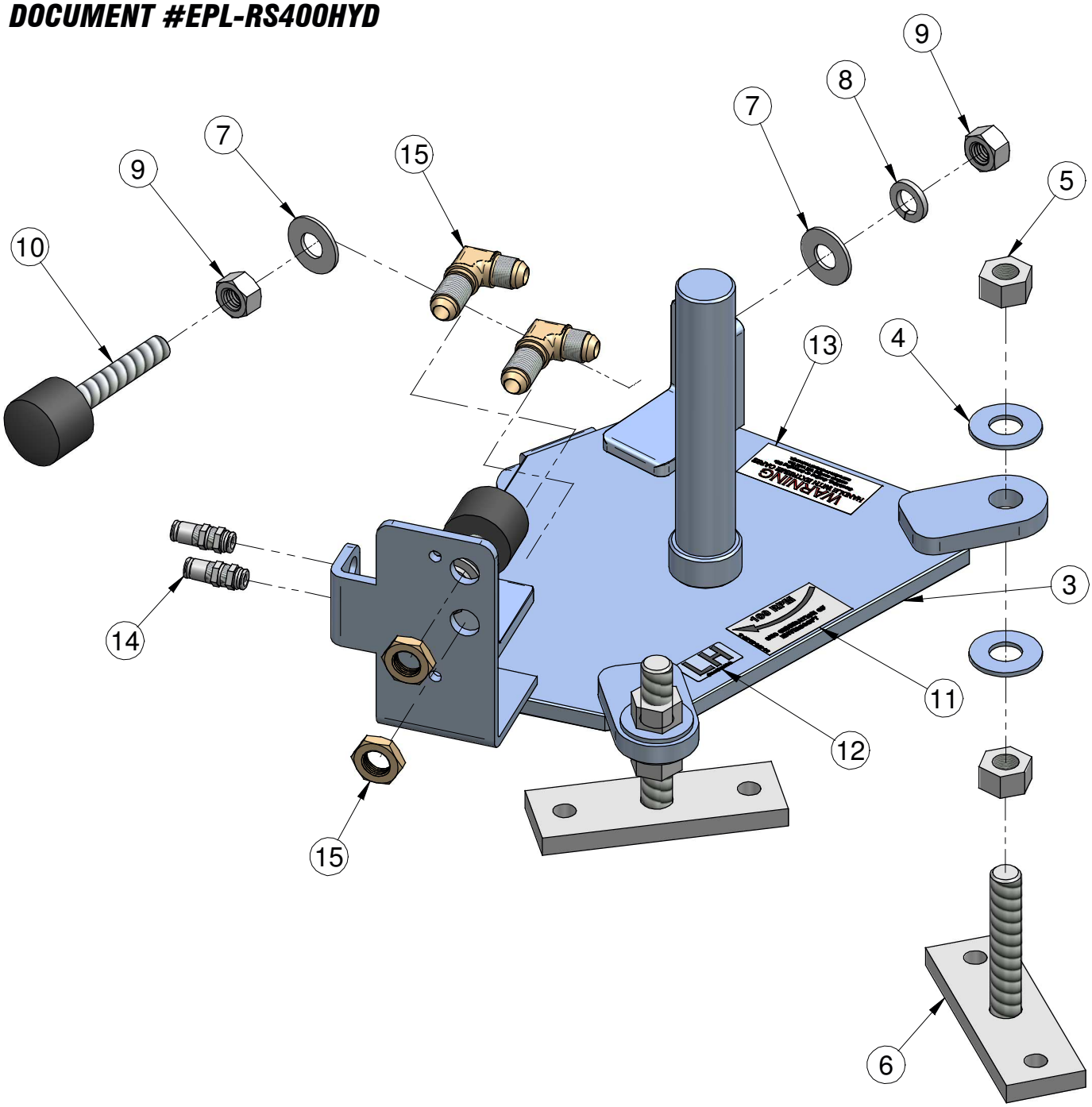
TITLE	RS400 SIDE BRUSH (HYDRAULIC)	
PART NO EPL-RS400HYD	DWG NO EPL-RS400HYD	REV B
DATE: 01 JUNE 2006	SHEET 3 OF 17	

MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD



MacNeil Wash Systems- Parts List

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

TITLE RS400 SIDE BRUSH (HYDRAULIC)		
PART NO EPL-RS400HYD	DWG NO EPL-RS400HYD	REV B
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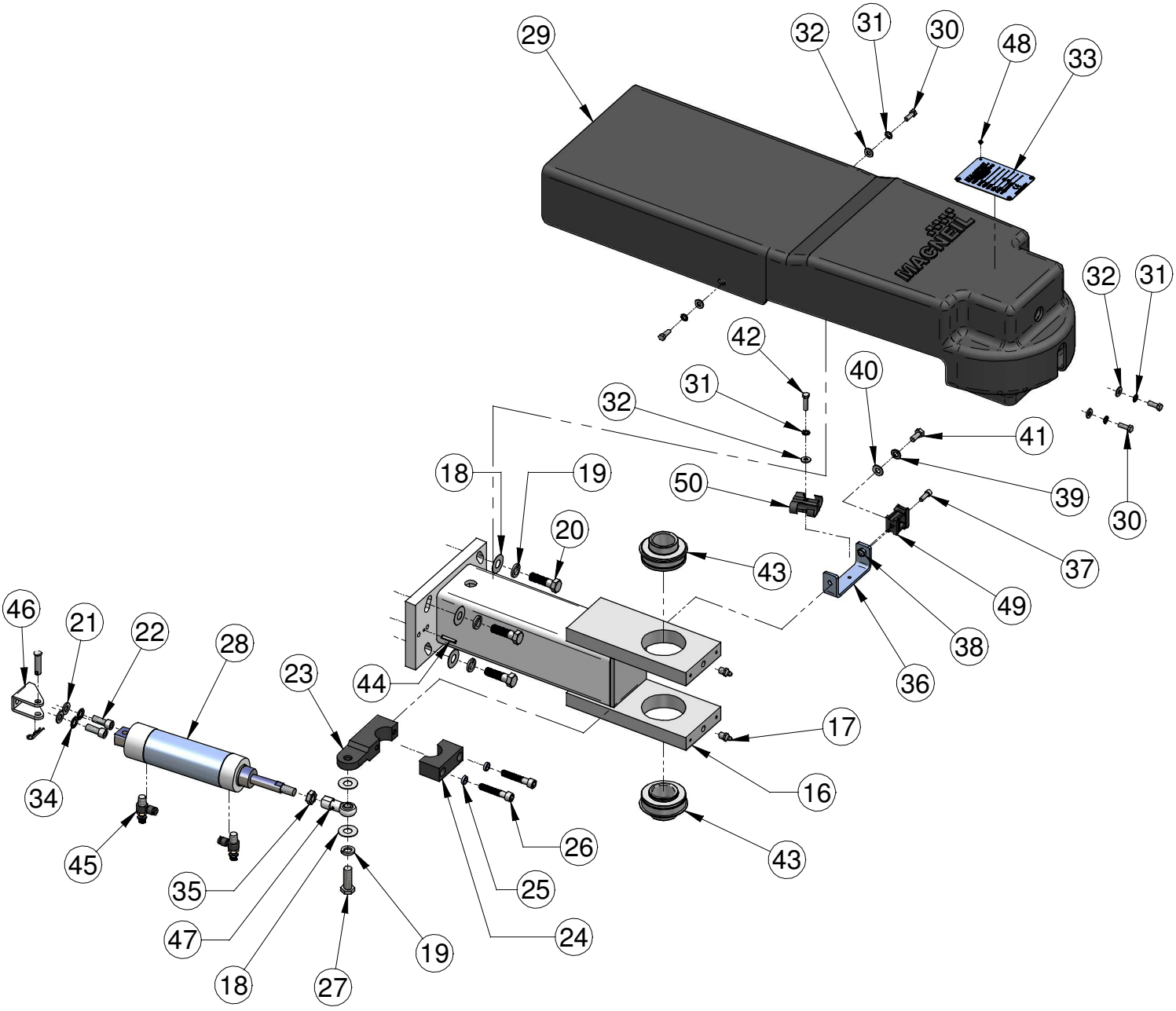
RS400 SIDE BRUSH (HYDRAULIC)
DOCUMENT #EPL-RS400HYD

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	BRUSH ROTATION DECAL 100 RPM CW	36-070-02-PP	1
12	DECAL 'LH' 1-1/2" x 7/8"	36-007-02-PP	1
13	DECAL 'POWDERCOAT WARNING' 6" x 3-1/2"	36-012-00-PP	1
14	FTG BULKHD AIR 1/4"-1/4"TBE 6590-04-00	90-005-01-PP	2
15	HYDRAULIC BULKHEAD 90° FTG	95-310-03-PP	2

RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD



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TITLE	RS400 SIDE BRUSH (HYDRAULIC)	
PART NO EPL-RS400HYD	DWG NO EPL-RS400HYD	REV B
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MacNeil Wash Systems- Parts List

RS400 SIDE BRUSH (HYDRAULIC)
DOCUMENT #EPL-RS400HYD

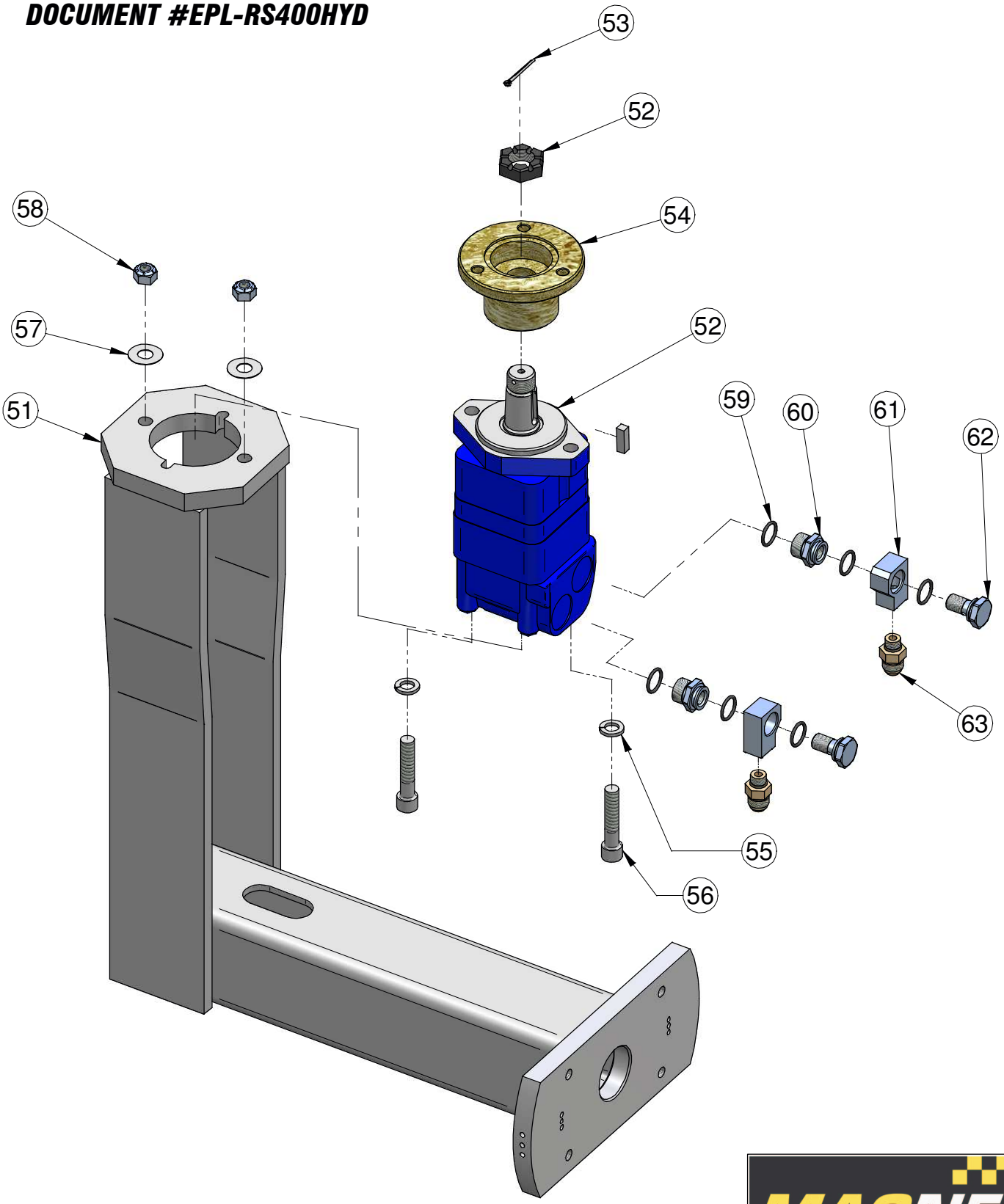
REF.	DESCRIPTION	PART NUMBER	QTY
16	UNIVERSAL PIVOT ARM	48-430-00-SG	1
17	1/8" NPT STRAIGHT GREASE NIPPLE	44-133-06-PP	2
18	FLAT WASHER SS 1/2"	80-108-000-SI	6
19	LOCK WASHER SS 1/2"	80-908-000-SI	5
20	HHCS 1/2-13 x 1 3/4" S.S.	82-508-028-SIC	4
21	WASHER FLAT 3/8" SS	80-106-000-SI	2
22	SHCS SS 3/8"-16 x 1"	82-706-016-SIC	2
23	BASE CYLINDER REAR CLAMP	48-410-05-BK	1
24	BASE CYLINDER FWD CLAMP	48-410-06-BK	1
25	WSHR SS LOCK 3/8" HIGH COLLAR	81-206-000-SI	2
26	SHCS 3/8-16 x 2" S.S.	82-706-032-SIC	2
27	HHCS SS 1/2"-13 x 1-1/2"	82-508-024-SIC	1
28	AIR CYLINDER 2000D02-04A	90-100-07-PP	1
29	RS301/RS400 ELEC. DRIVE COVER-BLACK	48-100-00-PP	1
30	HHCS SS 1/4"-20 x 3/4"	82-504-012-SIC	4
31	WASHER SS LOCK 1/4"	80-904-000-SI	5
32	WASHER SS FLAT 1/4" (0.056"/0.063" THK)	80-104-000-SI	5
33	MACNEIL SERIAL ID TAG -NEW LOGO	36-900-00-PP	1
34	LOCK WASHER 3/8" SS	80-906-000-SI	2
35	NUT SS JAM 1/2"-20	84-108-000-SIF	1

RS400 SIDE BRUSH (HYDRAULIC)
DOCUMENT #EPL-RS400HYD

REF.	DESCRIPTION	PART NUMBER	QTY
36	HYDRAULIC HOSE BRACKET	48-430-05-PP	1
37	SHCS SS 1/4"-20 x 3/4"	82-704-012-SIC	1
38	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	1
39	WSHR SS LOCK 5/16"	80-905-000-SI	1
40	WSHR SS FLAT 5/16"	80-105-000-SI	1
41	HHCS SS 5/16"-18 X 3/4"	82-505-012-SIC	1
42	HHCS SS 1/4"-20 x 1"	82-504-016-SIC	1
43	ER-23 SS BEARING SER207-23(ST/ST)	90-192-02-PP	2
44	3/16" x 1" SLOTTED SPRING PIN S.S.	86-203-016-SI	2
45	VALVE FLOW CONTROL JSC1/4-N2AU-LH	90-140-01-PP	2
46	PIVOT BRKT SS BP-19 S/S (c/w PIN & CLIP)	90-174-00-PP	1
47	ROD END TR8-N-SS 1/2"F-20 c/wGR NPL10/32	90-151-02-PP	1
48	RIVET AL 1/8"Dia PR-100-AI	87-002-000-AI	4
49	PMA SYSTEM SUPPORT	90-068-04-PP	1
50	5/8" HOSE T-CLIP	90-048-01-PP	1

RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD



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TITLE RS400 SIDE BRUSH (HYDRAULIC)		
PART NO EPL-RS400HYD	DWG NO EPL-RS400HYD	REV B
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MacNeil Wash Systems- Parts List

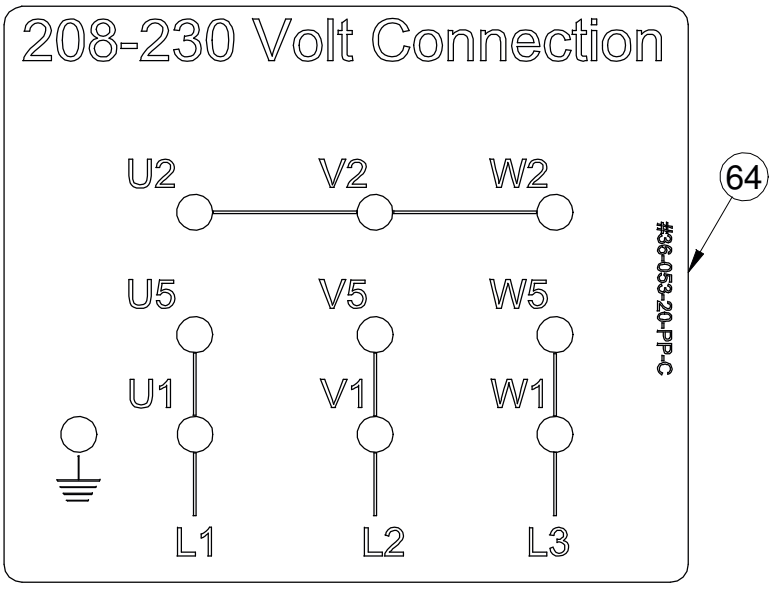
RS400 SIDE BRUSH (HYDRAULIC)
DOCUMENT #EPL-RS400HYD

REF.	DESCRIPTION	PART NUMBER	QTY
51	HYDRAULIC VERTICAL ARM	48-470-00-SG	1
52	MOTOR HYD. 1011 CHAR-LYNN BLUE	95-100-08-BL	1
53	PIN BARE COTTER 1/8" X 1-1/2"	86-002-024-BI	1
54	LARGE BORE MOTOR HUB ZNKPLT	41-702-00-ZN	1
55	LOCK WASHER SS 1/2"	80-908-000-SI	2
56	SHCS SS 1/2"-13 x 2-1/2"	82-708-040-SIC	2
57	FLAT WASHER SS 1/2"	80-108-000-SI	2
58	NUT SS NYLOCK 1/2"-13	85-008-000-SIC	2
59	O-RING 568-910	90-450-06-PP	6
60	HYDRAULIC BANJO BUSHING	95-256-30-PP	2
61	HYDRAULIC BANJO BLOCK	95-256-20-PP	2
62	HYDRAULIC BANJO BOLT	95-256-10-PP	2
63	HYD FTG SAE O-RING TO 37 DEG FLARE	95-306-08-PP	2

RS400 SIDE BRUSH (HYDRAULIC)
DOCUMENT #EPL-RS400HYD

REF.	DESCRIPTION	PART NUMBER	QTY
64	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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TITLE	RS400 SIDE BRUSH (HYDRAULIC)	
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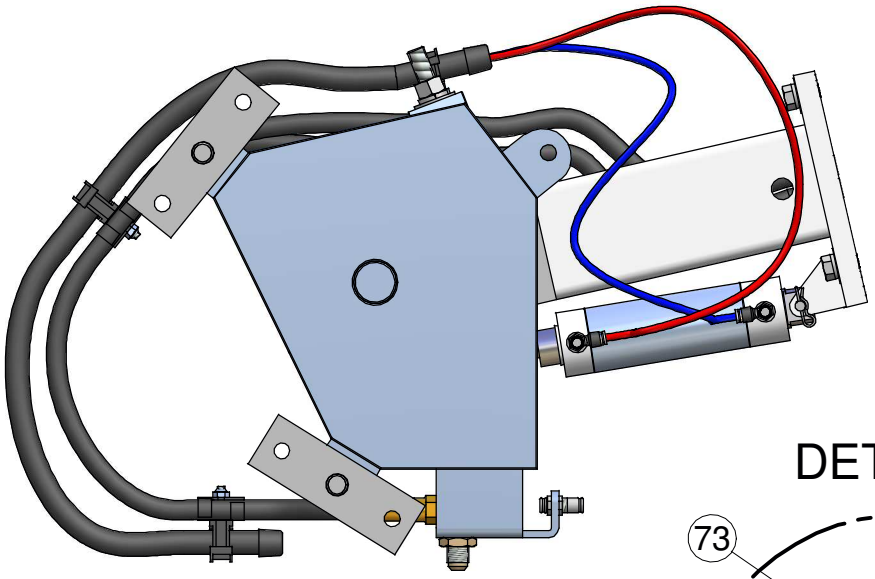
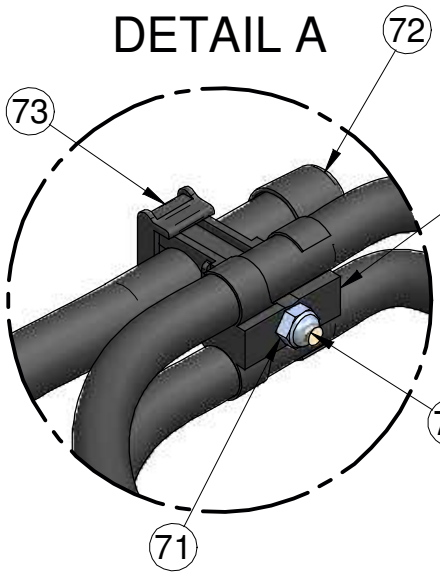
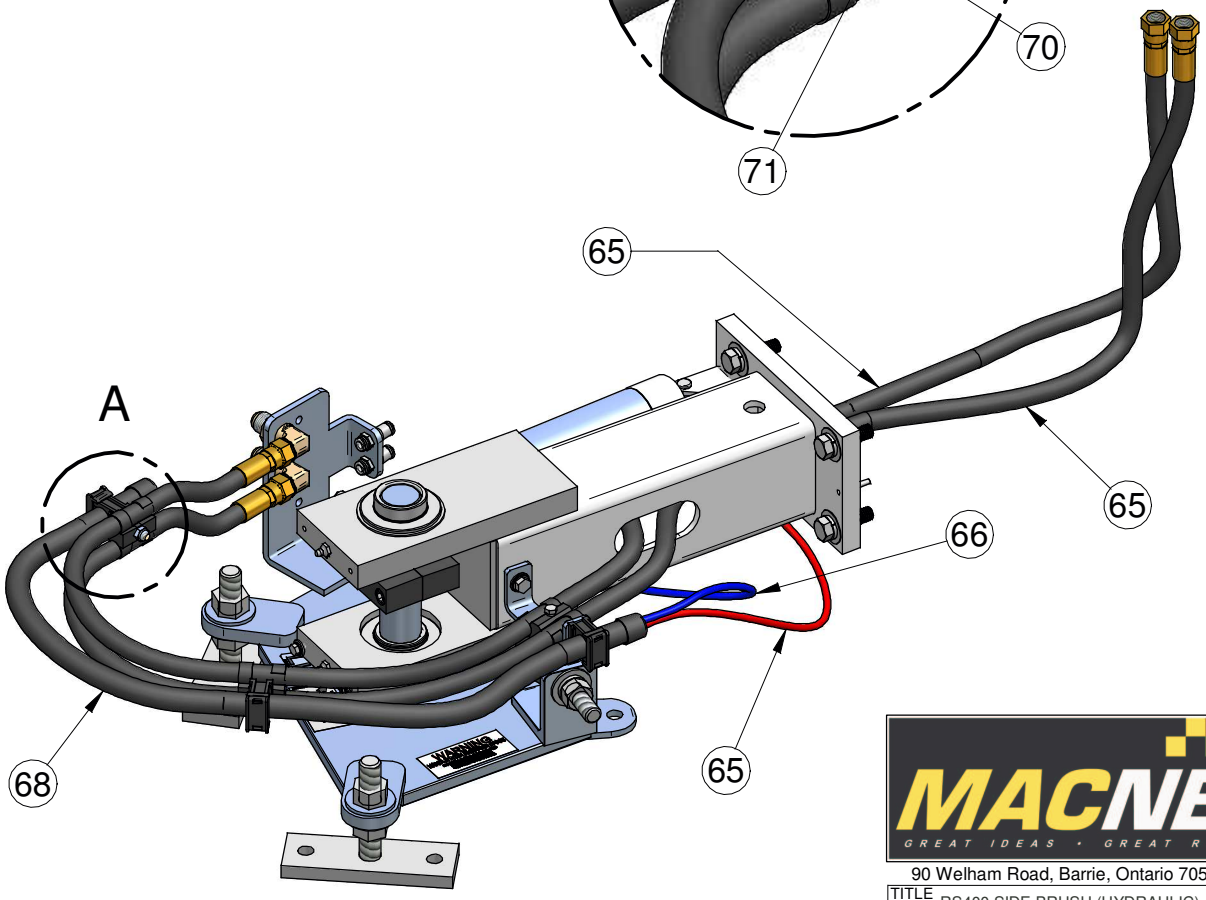
RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD







MacNeil Wash Systems- Parts List

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TITLE RS400 SIDE BRUSH (HYDRAULIC)		
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RS400 SIDE BRUSH (HYDRAULIC)
DOCUMENT #EPL-RS400HYD

REF.	DESCRIPTION	PART NUMBER	QTY
65	1/4" NYLON TUBE RED 64"	33-361-20-4RD	1
66	1/4" NYLON TUBE BLUE 59"	33-361-20-4BU	1
67*	HYDR. HOSE ASSEMBLY 3/8" x 73"	95-648-00-PP	2
68	PMA CONDUIT 33"	90-068-01-PP	1
69	5/8" HOSE T-CLIP	90-048-01-PP	2
70	SHCS SS 1/4"-20 x 1-1/4"	82-704-020-SIC	2
71	NUT SS NYLOCK 1/4"-20	85-004-000-SIC	2
72	PMA CONDUIT END SLEEVE FOR 21mm CONDUIT	90-068-05-PP	2
73	PMA SYSTEM SUPPORT	90-068-04-PP	2

RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD

REF.	DESCRIPTION	PART NUMBER	QTY
74	HYDRAULIC RS400 HUB/CORE/RING ASSEMBLY	22-048-20-MP	1
75	RS400 2nd GEN. ENVIROSOFT FOAM ASS'Y - BLUE	21-900-48-UP	1

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TITLE	RS400 SIDE BRUSH (HYDRAULIC)	
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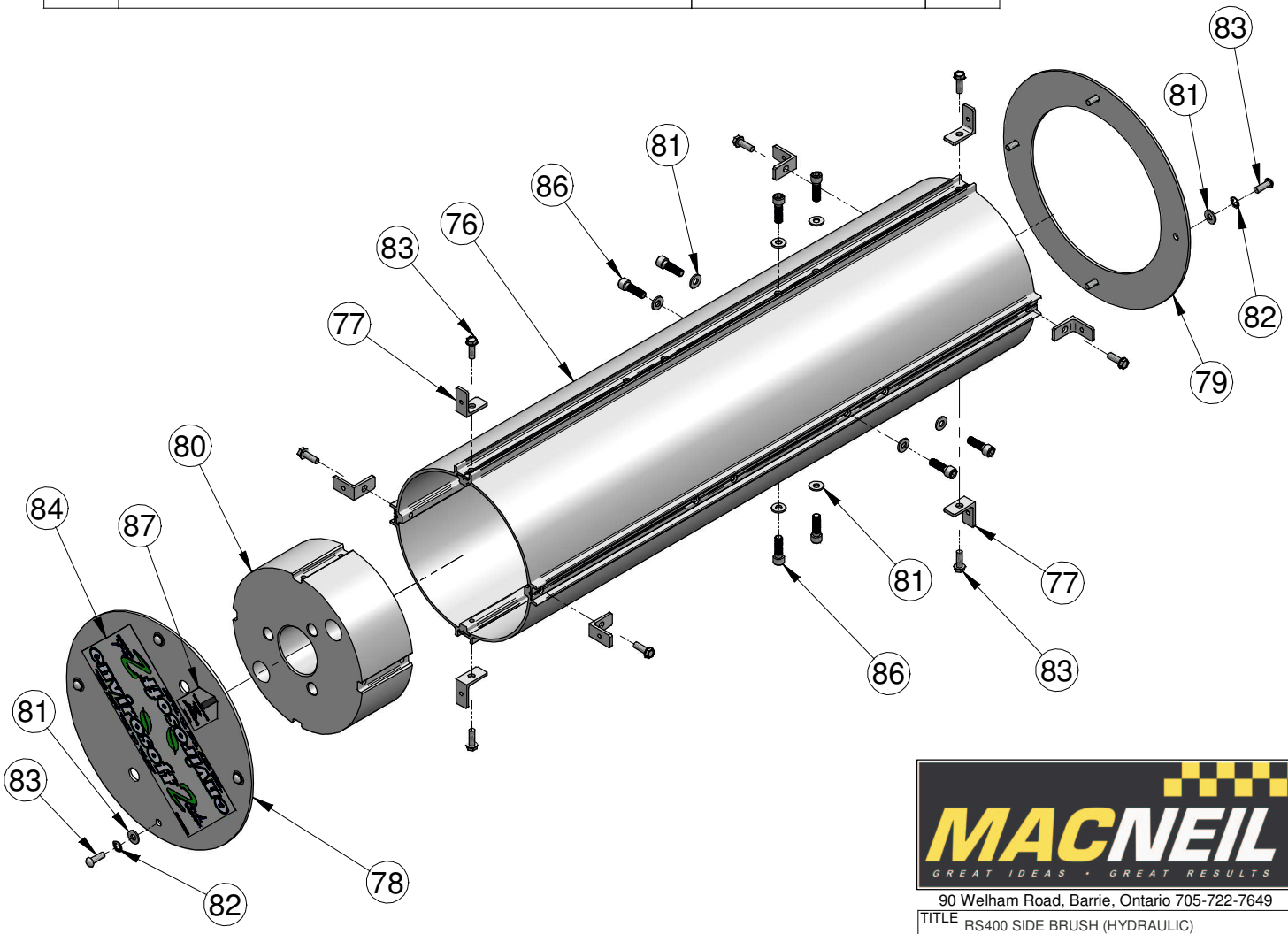
RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD

REF.	DESCRIPTION	PART NUMBER	QTY
76	EXTRUDED ALUMINUM 6063-T6 (1/8" WALL) 30" LG	22-048-01-MP	4
77	DISK MOUNTING ANGLE	48-615-02-MP	8
78	BRUSH RETAINER DISC ALUM Ø11"	53-300-13-CL	1
79	RETAINING RING ALUM Ø11"	53-300-12-CL	1
80	CORE HUB	48-615-01-MP	1
81	WASHER SS FLAT 1/4" (0.056"/0.063" THK)	80-104-000-SI	16
82	WASHER SS LOCK 1/4"	80-904-000-SI	8
83	SCREW SS BTN-HD 1/4"-20 X 3/4"	83-204-012-SIC	8
84	DECAL 'ENVIROSOFT 2ND GENERATION' 4" x 9"	36-053-11-PP	1
85	1/4-20 x 3/4" HWHTCSF410	83-004-012-SIC	8
86	SHCS SS 5/16"-18 x 1"	82-705-016-SIC	8
87	DECAL-TIMING INDICATOR (17 REV/10 SEC)	36-053-07-PP	1



MacNeil Wash Systems- Parts List

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TITLE RS400 SIDE BRUSH (HYDRAULIC)		
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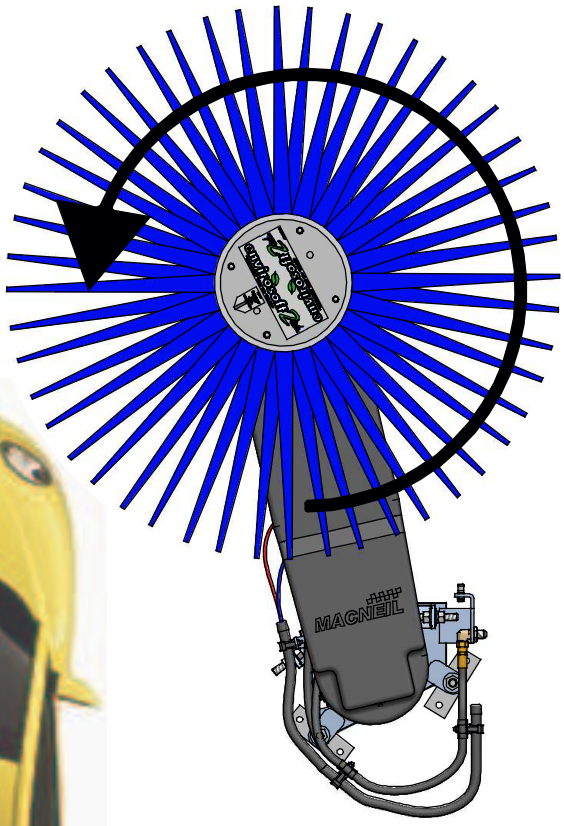
RS400 SIDE BRUSH (HYDRAULIC)

DOCUMENT #EPL-RS400HYD

PROPER ROTATION

LH

RH



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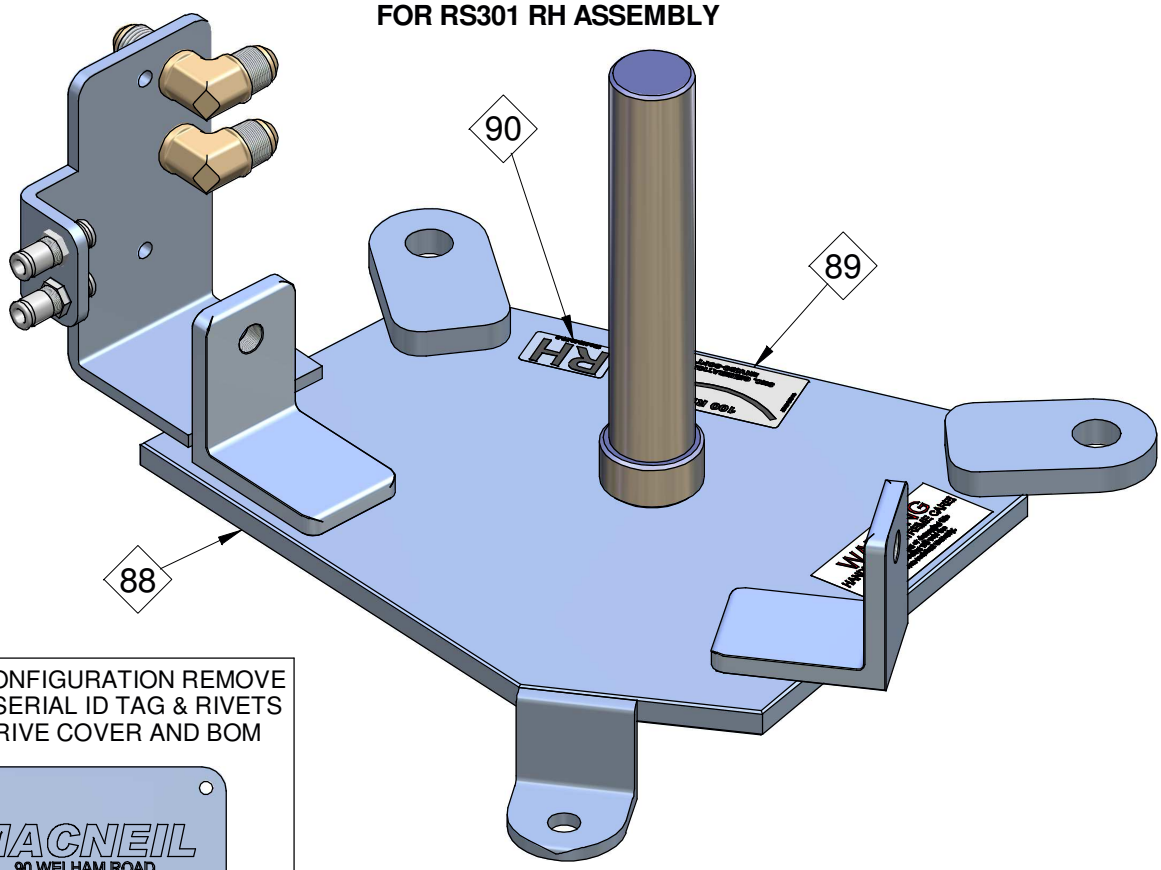
MacNeil Wash Systems- Parts List

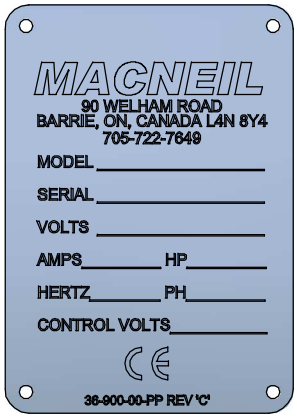
RH CONFIGURATION

REF.	DESCRIPTION	PART NUMBER	QTY
88	RS301/400 RH BASE	48-415-00-SG	1
89	DECAL 100 RPM W/ARROW CCW	36-070-03-PP	1
90	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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