



Pro-XM



Pro-XM Parts ID Manual

Model Number: 605-0100/PRT/A

Revision: B

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Scope of Manual:

This manual contains diagrams and related parts lists to identify potential service/spare parts for your DEMTECH Services, Inc. Pro-XM Extrusion Welder.

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Manual Number: **605-PARTS ID MANUAL/PRO-XM, Revision: B**

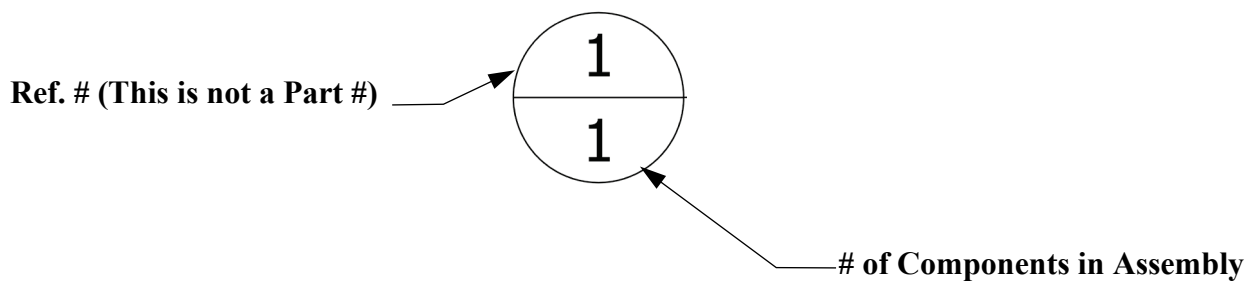
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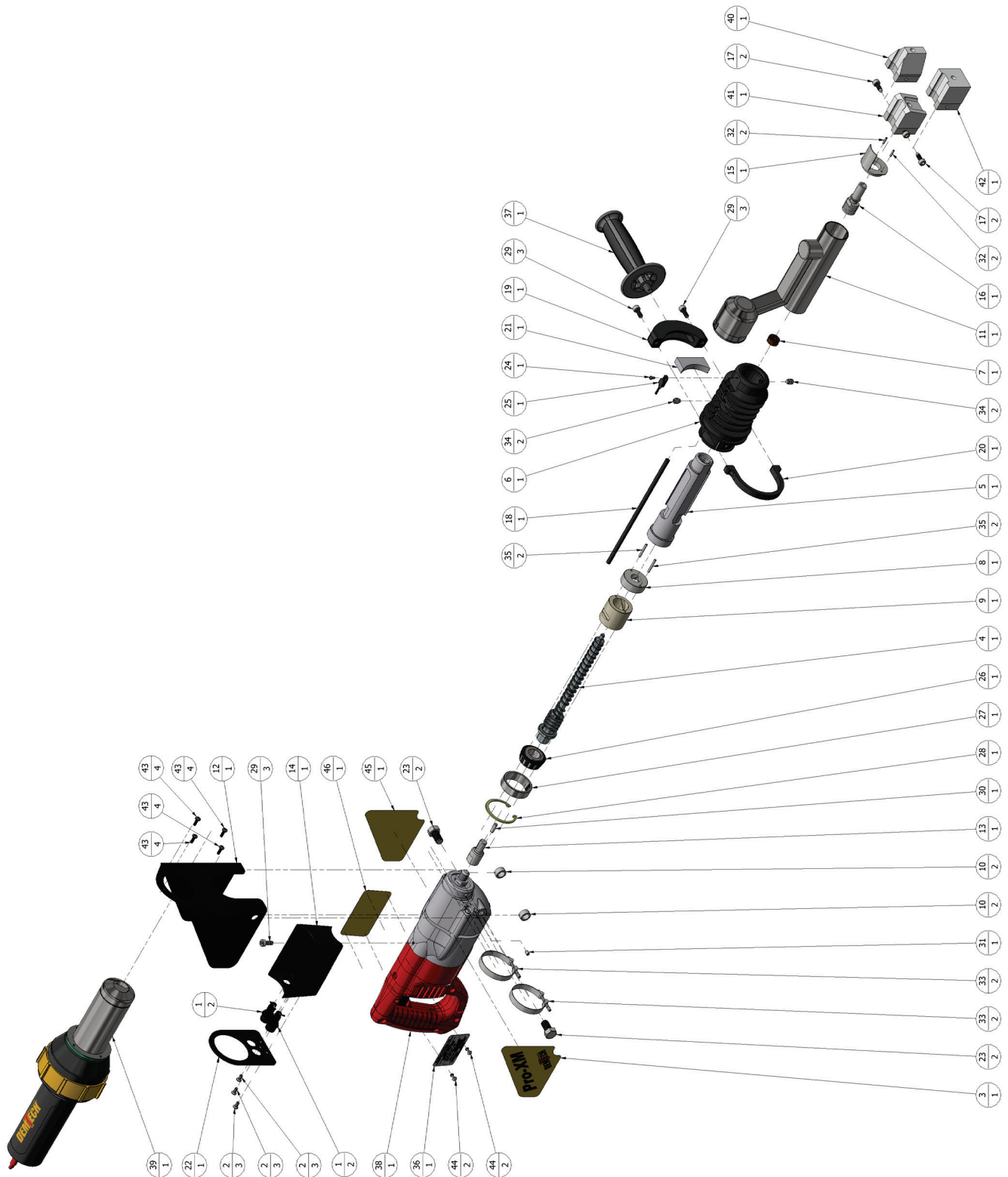
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1 Ordering Instructions

Refer to the diagrams and related parts lists on the following pages to identify replacement parts for the Pro-XM Extrusion Welder. To locate a part, find it visually on the exploded assembly diagram and note its Reference Number. Next refer to the assemblies parts list to identify the corresponding Part Number using the Reference Number. When ordering parts, be sure to specify the Part Number not the Reference Number. '*NS-Hardware*' refers to non-stock items, these parts are still available for order, please provide the part description to order NS-Hardware items.

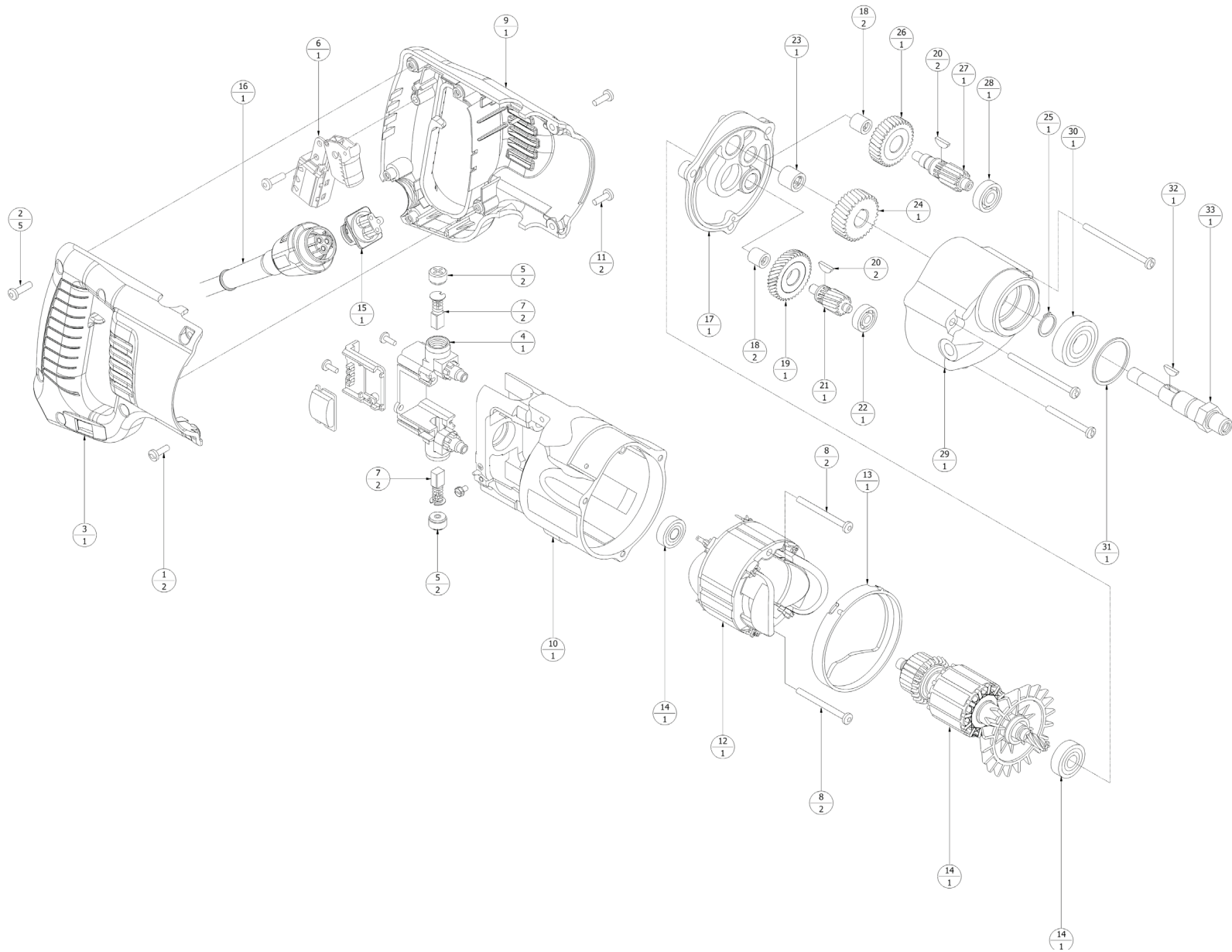




**1.1 605-0100/PRT/A – ASSY, PRO-XM EXTRUSION WELDER
(Parts ID)**

PARTS LIST			
REF. NO	PART NUMBER	DESCRIPTION	QTY
1	100-455	FUSE HOLDER, 3AG, SHOCK-SAFE, .250 QD	2
2	110-245	SCREW, M4 X 0.7 X 10mm LONG, FLAT HEAD SOCKET CAP, SS	3
3	605-003	LABEL, PRO-XM WELDER, SET	1
4	605-005	SCREW, EXTRUSION	1
5	605-006	BARREL, EXTRUDER	1
6	605-007	HOUSING, BARREL	1
7	605-008	INSERT, MIXING	1
8	605-009	INSERT, WELD ROD CUT	1
9	605-010/PR	INSERT, WELD ROD FEED	1
10	605-011	SPACER, BRACKET SIDE	2
11	605-012	MANIFOLD, AIR HEAT	1
12	605-013P	BRACKET, MOTOR / HEATER, PRO-TACKER	1
13	605-D52/A	STUD, MOTOR OUTPUT	1
14	605-015P	HOUSING, HEATER / MOTOR WIRING, PRO-TACKER	1
15	605-016	SHIELD, NOZZLE AIR	1
16	605-017	NOZZLE, BARREL OUTPUT	1
17	605-018	SCREW, TEFLON SCREW MOUNT	2
18	605-019	TUBE, WIRE CONDUIT	1
19	605-020	BRACKET, GRIP HANDLE	1
20	605-021	CLAMP, GRIP HANDLE	1
21	605-022	GIB, GRIP HANDLE	1
22	605-023P	BRACKET, HEATER REAR SUPPORT, PRO-TACKER	1
23	605-024	BOLT, 7/16-14 X 3/4" LONG, HEX HEAD CAP, 18-8 STAINLESS STEEL	2
24	605-026	SCREW, M3 X 0.5mm X 6mm LONG, PAN HEAD PHILLIPS, 18-8 SS	1
25	605-027	THERMOSTAT, ENCAPSULATED, T0-220, 167° F, NO	1
26	605-028	BEARING, TAPERED ROLLER ASSY, 3/4" ID X 1-25/32" OD X 21/32" WIDE	1
27	605-029	RING, OUTER, TAPERED ROLLER, 3/4" ID X 1-25/32" OD X 15/32" WIDE	1
28	605-030	RING, RETAINING, INTERNAL, 1-3/4" HOUSING, ZINC CHROMATE STEEL	1
29	605-031	SCREW, M6 X 1 X 14mm LONG, SOCKET HEAD CAP, 18-8 STAINLESS STEEL	3
30	605-032	PIN, DOWEL, 3/16" OD X 5/8" LONG, HARDENED, 416 STAINLESS STEEL	1
31	605-033	PIN, DOWEL, 3/16" OD X 1/4" LONG, 18-8 STAINLESS STEEL	1
32	605-035	PIN, COILED SPRING, 2.5mm OD X 12mm LONG, STD DUTY, STEEL	2
33	605-040	CLAMP, SCREW, 47.5 - 50mm RANGE, STAINLESS STEEL	2
34	605-041	SCREW, SET, M8 X 1.25 X 10mm LONG, ALLEN SOCKET EXTENDED DOG POINT, 18-8 STAINLESS STEEL	2
35	605-042	PIN, DOWEL, 1/8" OD X 1" LONG, HARDENED, 416 SS	2
36	605-399/XME	PLATE, SERIAL, PRO-XME	1
37	605-D46	HANDLE, DRILL MOTOR	1
38	605-DRILL/XM/A	MOTOR, DRILL, MODIFIED	1
39	605-PREHEAT/2200/A	PREHEATER, 220V, 2200W, PRT STYLE, PRO-XM ONLY	1
40	605-TS-XG/ 1/2 /A	ASSEMBLY, TEFLON SHOE, CORNER	1
41	605-TS-XG/60/A	ASSEMBLY, TEFLON SHOE, BEAD	1
42	605-TS-XG/B/A	ASSEMBLY, TEFLON SHOE, BLANK	1
43	NS-HARDWARE	SCREW, M4 X 0.7 X 12mm LONG, PAN HEAD PHILLIPS, 18-8 STAINLESS STEEL	4
44	NS-HARDWARE	RIVET, 1/8" BLIND, DOME STYLE, STAINLESS STEEL	2

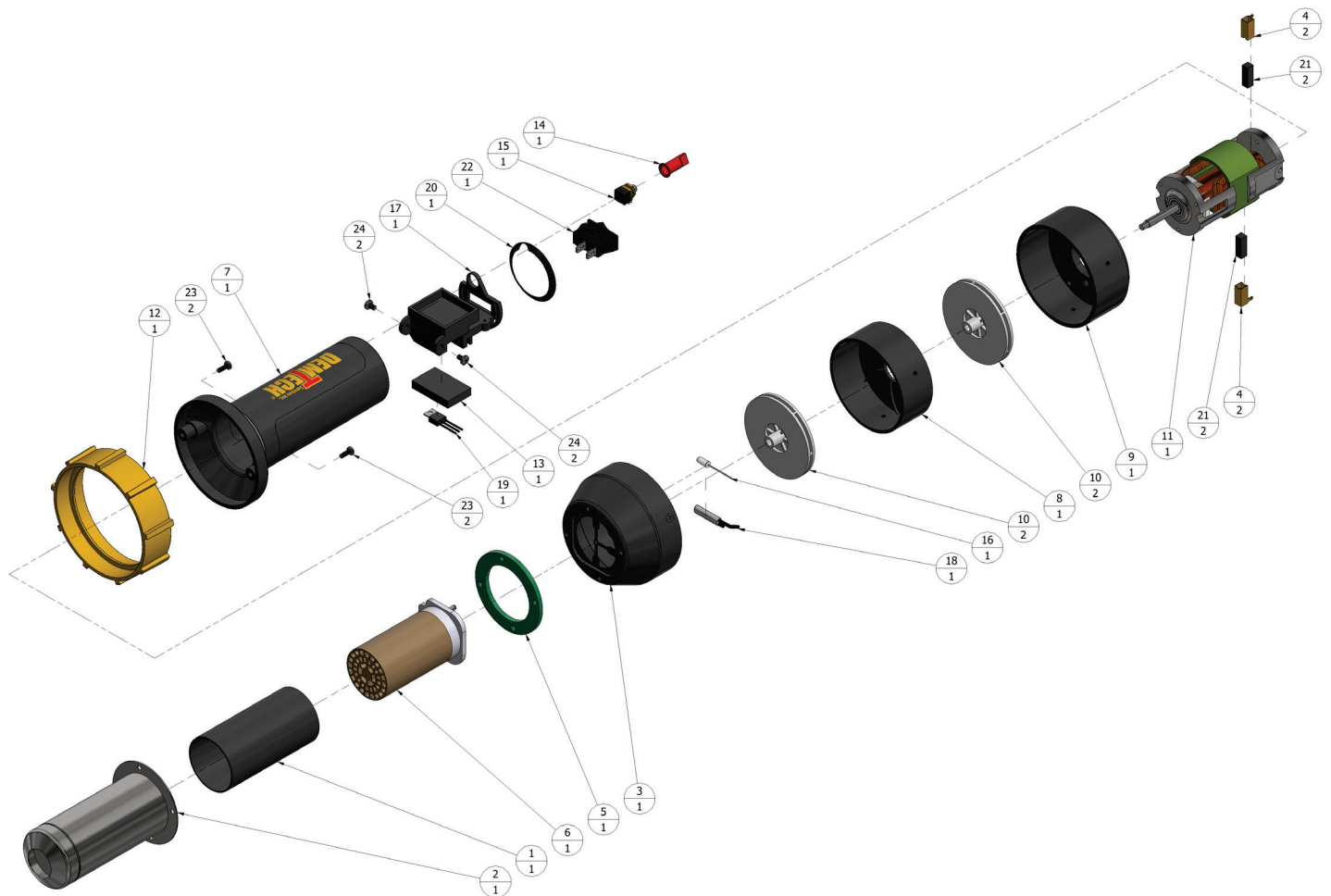
1.2 605-0100/PRT/A – ASSY, PRO-XM EXTRUSION WELDER, W/ PRO-TACKER (Parts List)



1.3 605-DRILL/XM/A – MOTOR, DRILL, MODIFIED, PRO-XM (Parts ID)

PARTS LIST			
REF. NO	PART NUMBER	DESCRIPTION	QTY
1	605-D01	SCREW, D-HANDLE, 1	2
2	605-D02	SCREW, D-HANDLE, 2	5
3	605-D03	HANDLE, RIGHT SIDE	1
4	605-D05	HOLDER, BRUSH	1
5	605-D06	CAP, RETAINING, CARBON BRUSH	2
6	605-D07	SWITCH, TRIGGER, PRO-XM/XME/XMP, RED	1
7	605-D08	BRUSH, CARBON, DRILL MOTOR	2
8	605-D13	SCREW, FIELD WINDING	2
9	605-D16	HANDLE, LEFT SIDE	1
10	605-D19	HOUSING, MOTOR	1
11	605-D21	NUT, D-HANDLE	2
12	605-D23	FIELD, 220V	1
13	605-D25	BAFFLE, ARMATURE FAN	1
14	605-D26/A	ARMATURE, W/ FAN & BEARINGS, 220V, XM/XME/XMP	1
15	605-D29-2	RECEPTACLE, CORD, 2-CONDUCTOR (XM ONLY), (XME/XMP USE 600-PH CORD)	1
15	605-D29-3	RECEPTACLE, CORD, 3-CONDUCTOR (XM ONLY), (XME/XMP USE 600-PH CORD)	1
16	605-D30-2	CORD, QUIK-LOK, 2-CONDUCTOR (XM ONLY), (XME/XMP USE 600-PH CORD)	1
16	605-D30-3	CORD, QUIK-LOK, 3-CONDUCTOR (XM ONLY), (XME/XMP USE 600-PH CORD)	1
17	605-D33	PLATE, BEARING	1
18	605-D34	BEARING, NEEDLE	2
19	605-D35	GEAR, INTERMEDIATE	1
20	605-D36	KEY, WOODRUFF	1
21	605-D37	SHAFT, INTERMEDIATE	1
22	605-D38	BEARING, BALL	1
23	605-D39	BEARING, NEEDLE	1
24	605-D40	GEAR, SPINDLE	1
25	605-D41	RING, RETAINING	1
26	605-D42	GEAR, INTERMEDIATE 2	1
27	605-D43	SHAFT, INTERMEDIATE 2	1
28	605-D44	BEARING, BALL	1
29	605-D45	CASE, GEAR	1
30	605-D47	BEARING, BALL	1
31	605-D48	RING, RETAINING	1
32	605-D51	KEY, WOODRUFF	1
33	605-D52	SPINDLE, OUTPUT	1

1.4 605-DRILL/XM/A – MOTOR, DRILL, MODIFIED, PRO-XM (Parts List)



**1.5 605-PREHEAT/2200/A – ASSY, PREHEATER, 220V, 2200W, PRT
STYLE, PRO-XM (Parts ID)**

PARTS LIST			
REF. NO	PART NO	DESCRIPTION	QTY
1	A-6101760	MICA TUBE, ELECTRON & ERON	1
2	A-6101772	HEAT SLEEVE, PRE-HEATER	1
3	A-6600638	HOUSING, TURBINE, UPPER, 220V, 2 PRONG	1
4	L-100.279	BRUSH HOLDER, 110V & 220V PRO-TACKER	2
5	L-101.270	FIBER RING, ELECTRON	1
6	L-101.776	HEAT ELEMENT, 230V, 2200W, 2 PIN W/ T/C HOLE	1
7	PRT-75020	HOUSING, OVERMOLD	1
8	PRT-75024	HOUSING, FAN, LOWER, PRO-TACKER	1
9	PRT-75026	FAN HOUSING, MID, PRO-TACKER	1
10	PRT-75028	FAN, UPPER & LOWER, PRO-TACKER	2
11	PRT-75030	MOTOR, 120V, PRO-TACKER	1
12	PRT-75032	RUBBER STAND, PRO-TACKER	1
13	PRT-75034	CIRCUIT BOARD, 120V, PRO-TACKER	1
14	PRT-75038	KNOB, POTENTIOMETER, 110V, PRO-TACKER	1
15	PRT-75040	POTENTIOMETER, 120V	1
16	PRT-75042	PHOTO EYE, PRO-TACKER	1
17	PRT-75044	MOUNT, CONTROLLER, 120V, PRO-TACKER	1
18	PRT-75046	TEMPERATURE LIMIT SWITCH, 120V, PRO-TACKER	1
19	PRT-75048	TRIAC, 120V, PRO-TACKER	1
20	PRT-75050	AIR FILTER, 120V, PRO-TACKER	1
21	PRT-CAR-BRS	CARBON BRUSH, PRO-TACKER 110V & 220V	2
22	600-06	SWITCH, PRE-HEAT / PLASTIC HEAT	1
23	NS-HARDWARE	SCREW, PAN HEAD PHILLIPS, M3.5 X 0.6mm X 10mm	2
24	NS-HARDWARE	SCREW, M4 X 0.7 X 6mm LONG, PAN HEAD PHILLIPS, 18-8 STAINLESS STEEL	2
25	NS-HARDWARE	SCREW, FLAT HEAD, M3.5 X 0.6mm X 8mm, 18-8 STAINLESS	3

1.6 605-PREHEAT/2200/A – ASSY, PREHEATER, 220V, 2200W, PRT STYLE, PRO-XM (Parts List)