



SD-50 Parts Manual

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Retain This Manual In A Safe Place For Future Reference

This product embodies advanced concepts in engineering, design, and safety. If this product is properly maintained, it will provide many years of safe, efficient, and trouble-free operation.

ONLY qualified technicians should service this equipment.

OBSERVE ALL SAFETY PRECAUTIONS displayed on the equipment or specified in the installation manual included with the dryer.

The following “**FOR YOUR SAFETY**” caution must be posted near the dryer in a prominent location.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

POUR VOTRE SÉCURITÉ

Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables à proximité de cet appareil ou de tout autre appareil.

We have tried to make this manual as complete as possible and hope you will find it useful. The manufacturer reserves the right to make changes from time to time, without notice or obligation, in prices, specifications, colors, and material, and to change or discontinue models.

Important

For your convenience, log the following information:

DATE OF PURCHASE _____ MODEL NO. **SD-50**
DISTRIBUTOR'S NAME _____
Serial Number(s) _____

Replacement parts can be obtained from your distributor or JLA. When ordering replacement parts from the factory, you can FAX your order to JLA at 01422 824390 or telephone your order directly to the JLA Parts Department at 01422 822282. Please specify the dryer model number and serial number in addition to the description and part number, so that your order is processed accurately and promptly.

The illustrations on the following pages may not depict your particular dryer exactly. The illustrations are a composite of the various dryer models. Be sure to check the descriptions of the parts thoroughly before ordering.

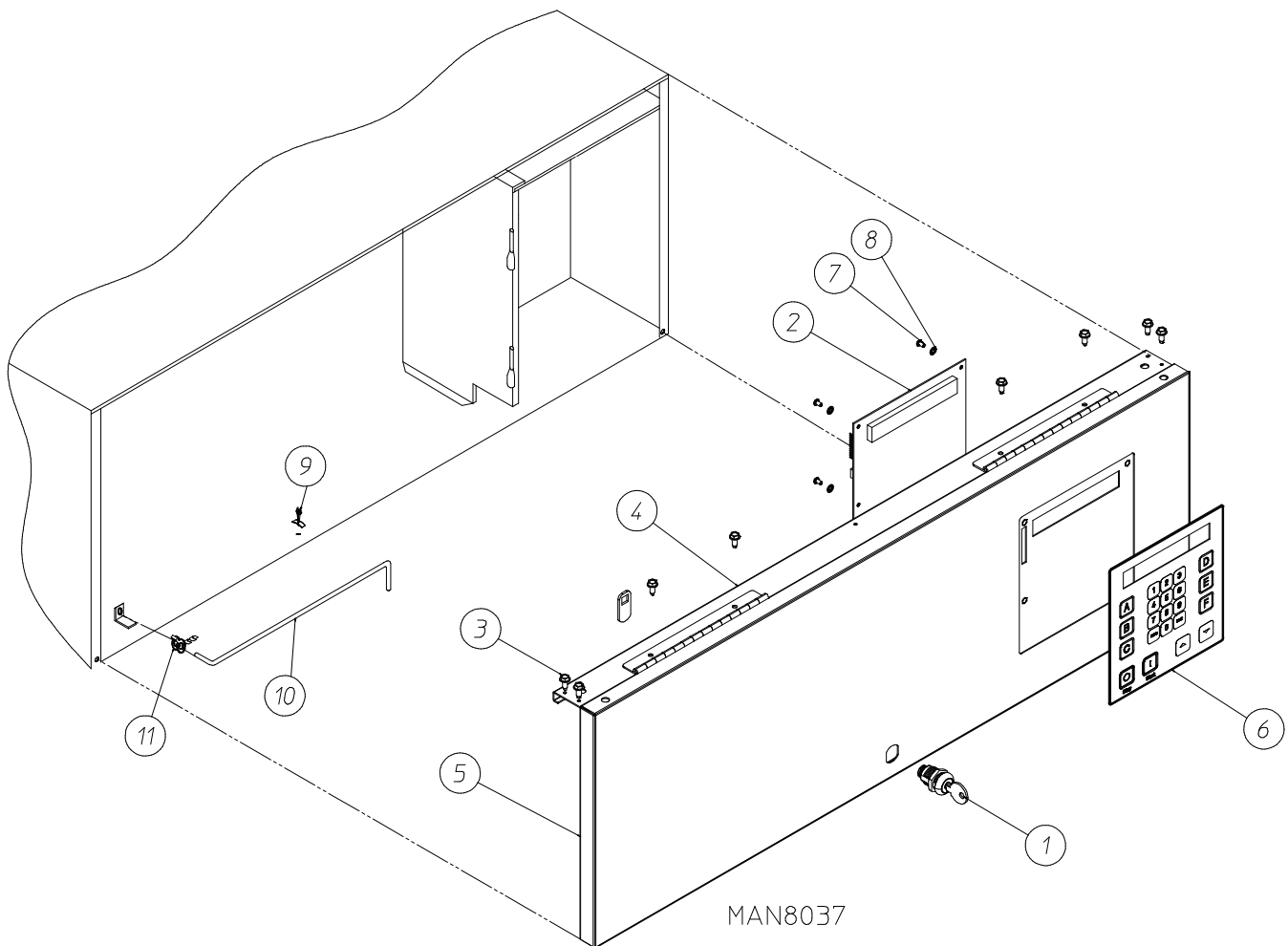
“IMPORTANT NOTE TO PURCHASER”

Information must be obtained from your local gas supplier on the instructions to be followed if the user smells gas. These instructions must be posted in a prominent location near the dryer.

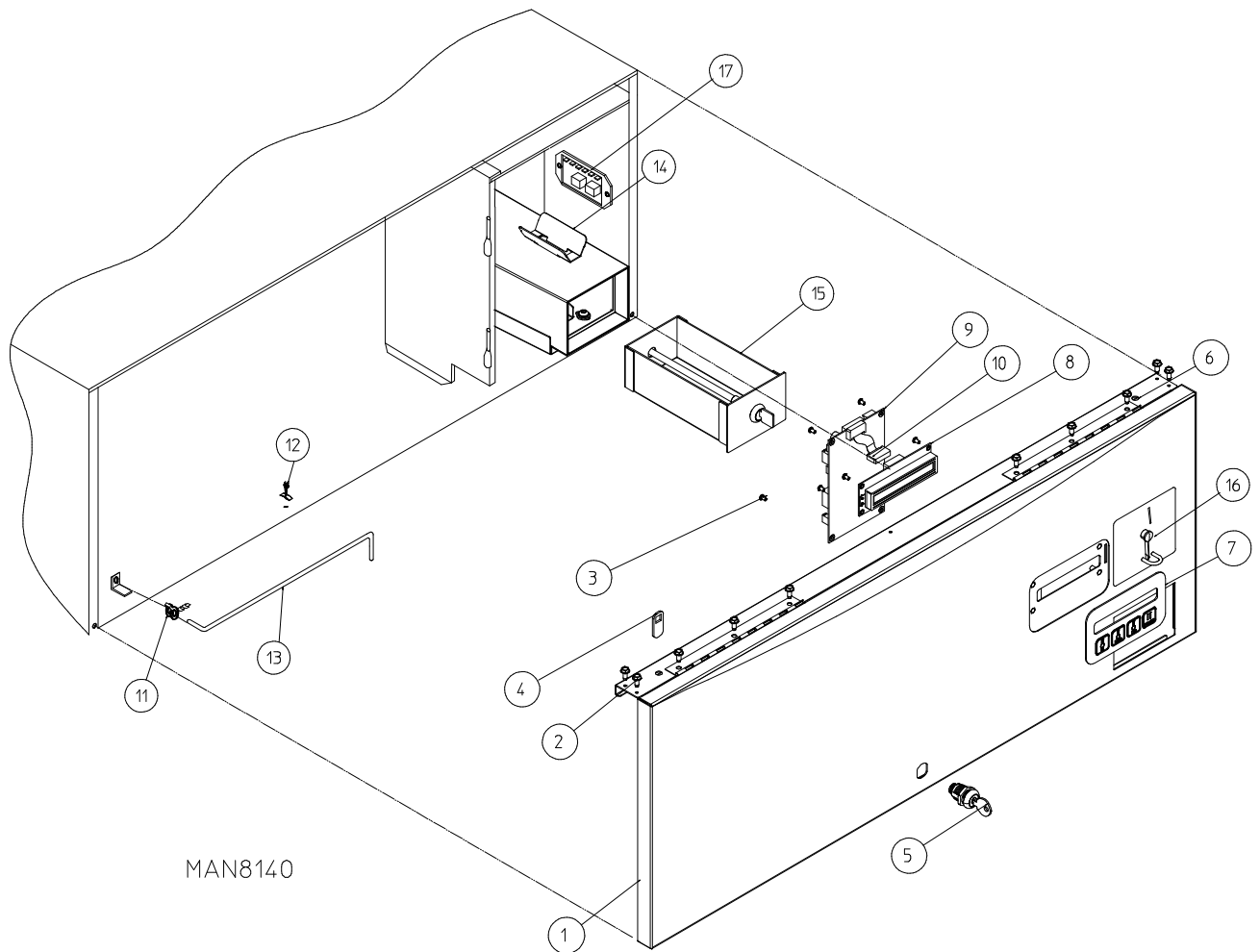
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Non-Coin Control Door Assembly

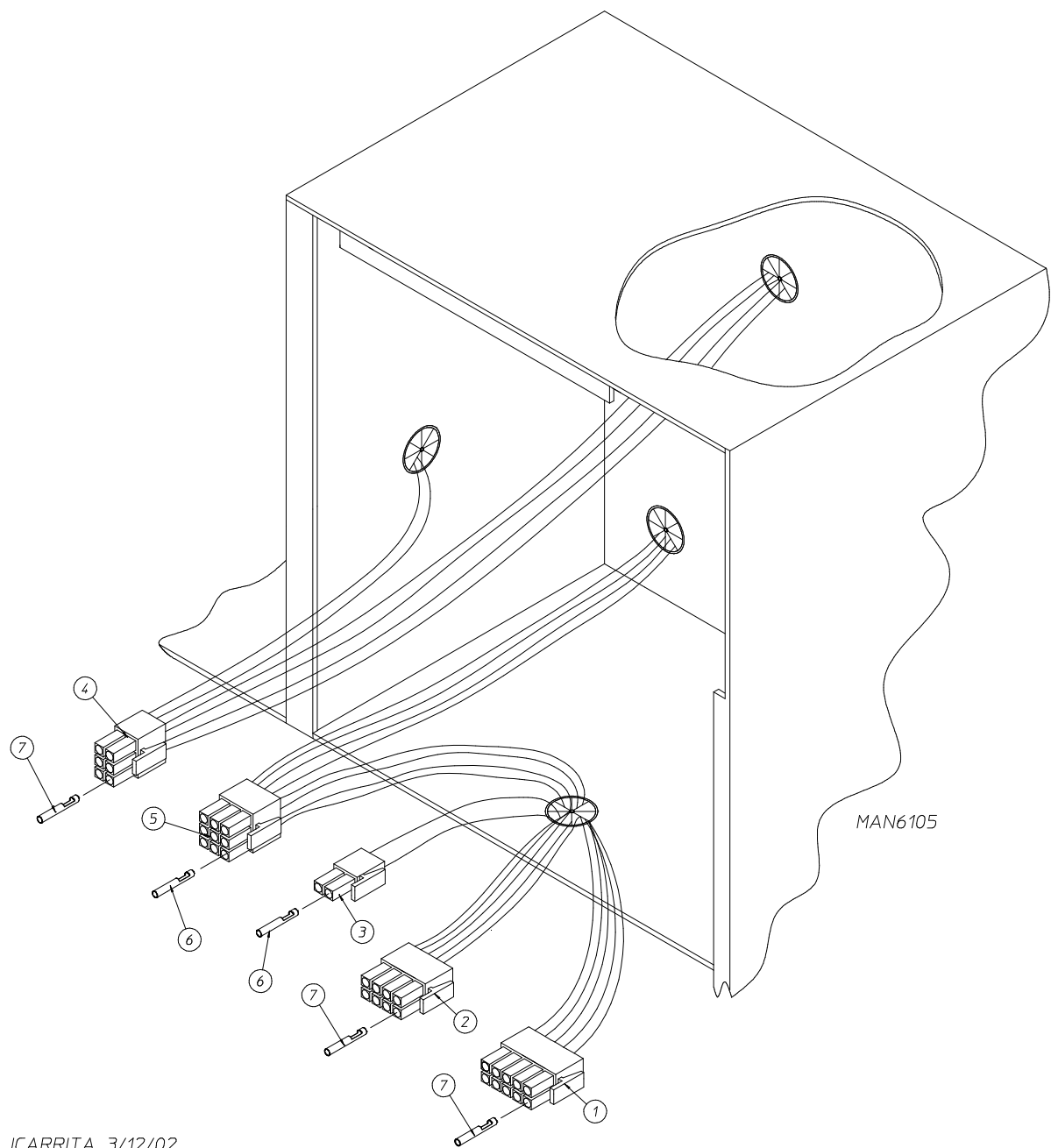


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	160015	1	Lock and Key
	160032	1	1" Straight Cam
2	884483	1	Phase 7.2 Non-Coin Computer with S.A.F.E. System Option
	884484	1	Phase 7.2 Non-Coin Computer without S.A.F.E. System Option
3	150300	8	#10-16 x 3/4" TORX PLUS® BTN Type 1
4	305243	1	Control Door Hinge Bracket
5	805054	1	White Non-Coin Control Door with Graphics
6	112610	1	Phase 7.2 Non-Coin Keypad (blue)
7	150005	4	#6-32 x 1/4" Phillips Screw
8	153010	4	#6 Star Washer
9	102603	1	Control Door Rod Support Catch
10	102502	1	Control Door Support Rod
11	102601	1	Control Door Retainer Clip



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	805075	1	White Coin Control Door with Graphics
2	150300	10	#10-16 x 1/2" Hex Washer TEK Screw
3	150005	8	#6-32 x 1/4" Phillips Round Head Machine Screw
4	160032	1	Straight 1" Cam
5	160015	1	MK-100 Lock with Hardware
6	305243	1	Control Door Hinge Bracket
7	112575	1	Phase 7 Keypad
8	137270	1	16" x 1" Large Character Display
9	887011	1	Phase 7 Coin Board (for models without S.A.F.E. System)
	887012	1	Phase 7 Coin Board (for models with S.A.F.E. System)
10	137250	1	Phase 7 Coin Ribbon Cable
11	102601	1	Control Door Rod Retainer Clip
12	102603	1	Control Door Rod Support Catch
13	102502	1	Control Door Support Rod
14	855117	1	Coin Vault Assembly
15	125917	1	Coin Box
16	830324	1	English Programmable Coin Acceptor
17	132198	1	Reversing Timer

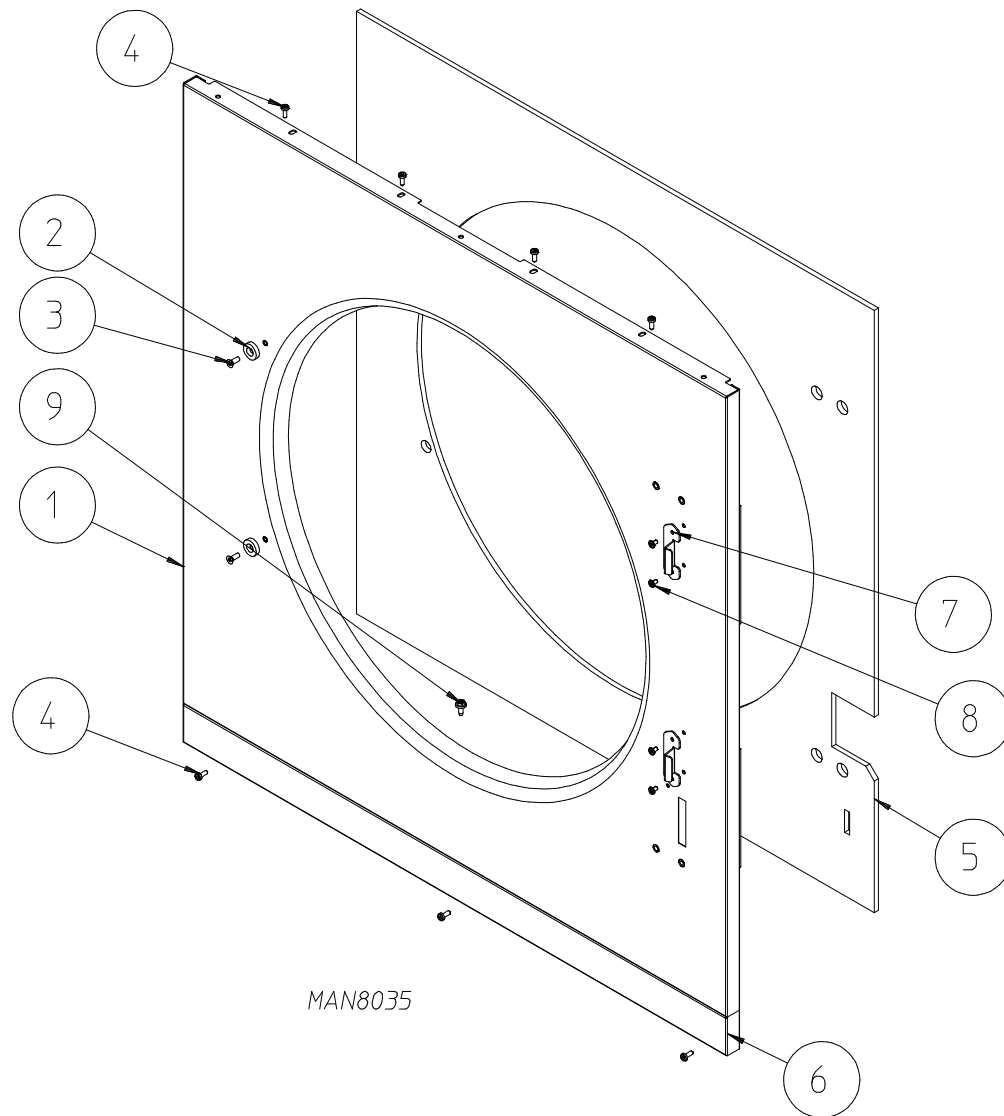
Phase 7 Non-Coin Microprocessor Control Box Assembly



JCARRITA 3/12/02

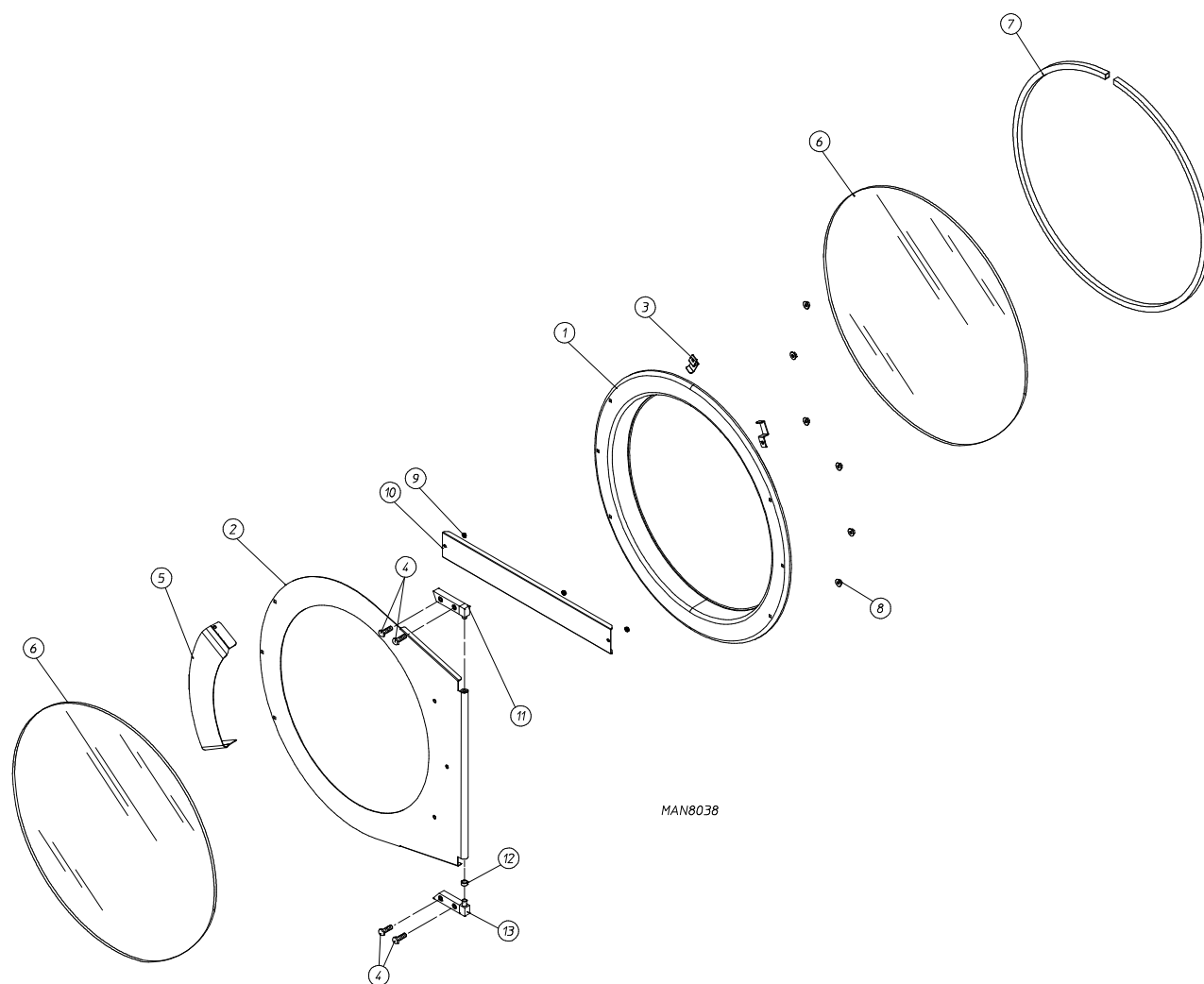
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	122681	1	10-Pin Connector
2	122676	1	8-Pin Connector
3	122646	1	2-Pin Connector
4	122683	1	6-Pin Terminal
5	122640	1	9-Pin Terminal
6	122706	*	#20-16 U.M.N.L. Socket
7	122669	*	Female Crimp Terminal

* As needed.

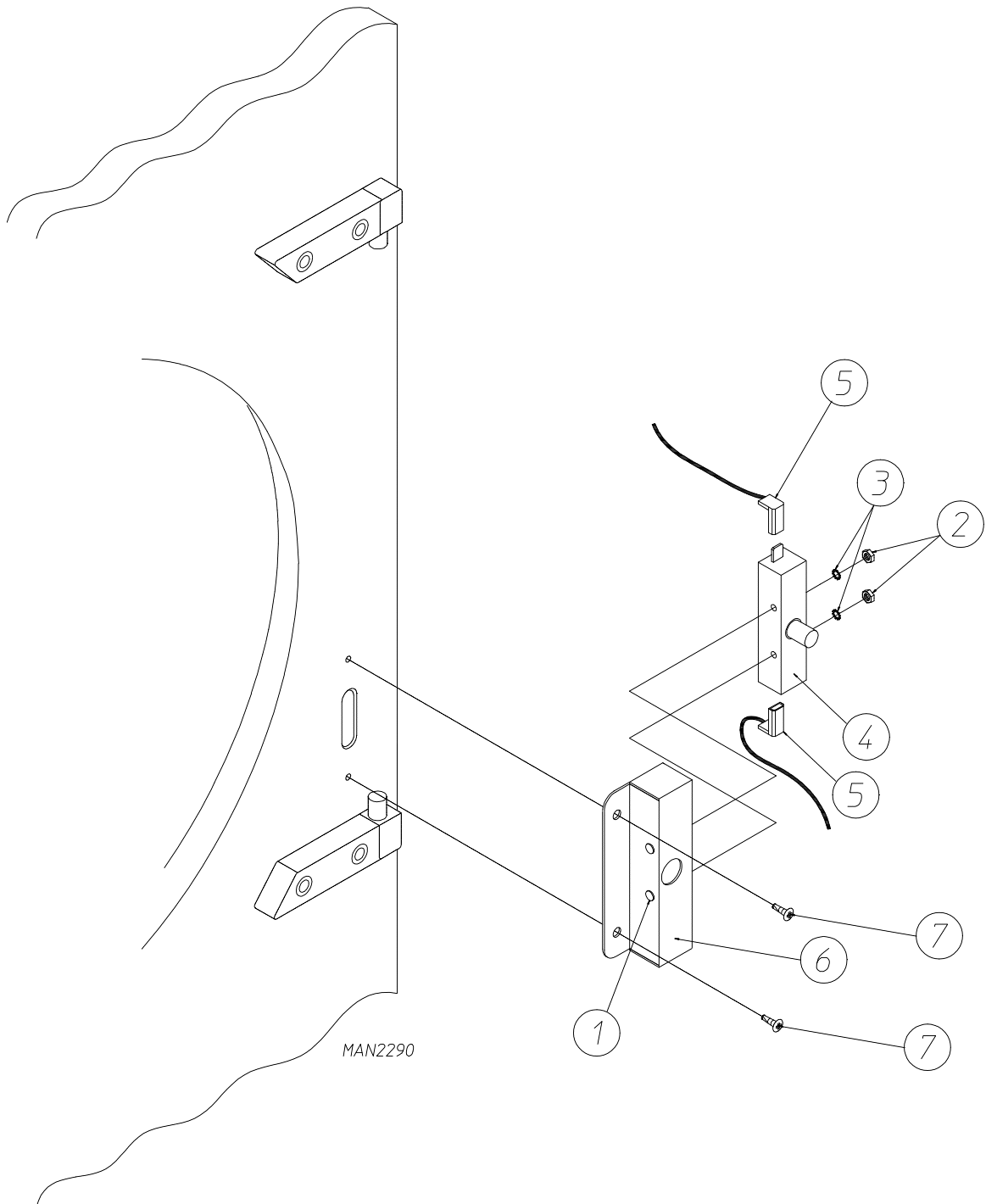


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	805055	1	Front Panel Assembly (includes illus. nos. 1 through 8)
	805056		Front Panel ONLY
2	102004	2	Compact Door Magnet
3	152223	2	#10-32 x 1/2" Machine Screw
4	150331	10	#8-18 x 1/2" Pan Head TORX® Screw
5	116359	1	Front Panel Insulation
6	305258	1	Front Panel Reversible Bottom Trim
7	335508	2	Door Stop
8	154205	4	5/32" x 1/4" Stainless Steel Rivet
9	150309	3	#10-16 x 1/2" Hex Crimpite Screw

Main Door Assembly

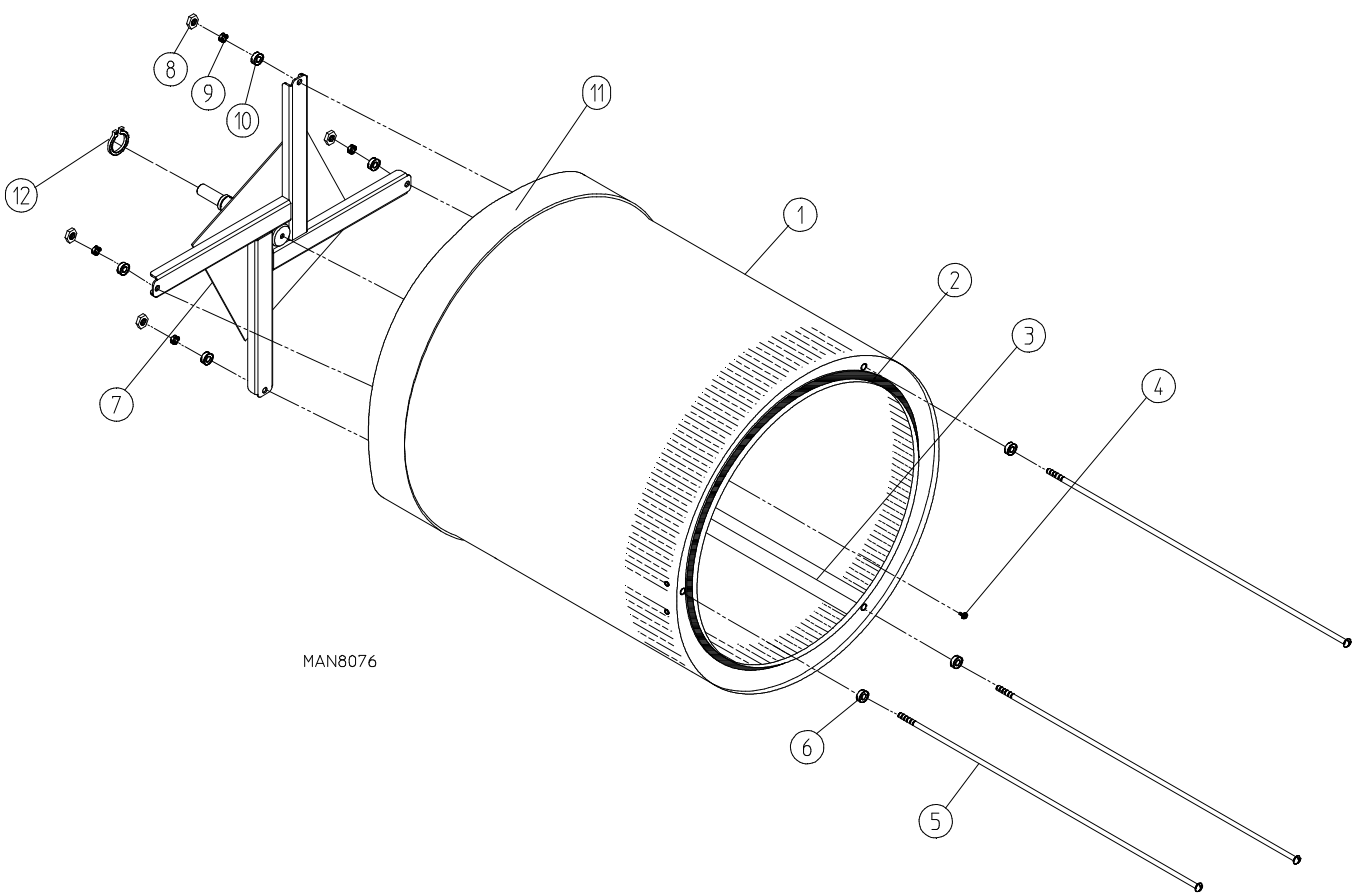


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	805048	1	Main Door Assembly Complete (includes illus. nos. 1 through 8)
	805033	1	Main Door Ring Assembly (includes illus. nos. 1, 6, and 7)
2	805046	1	Door Outer Skin Assembly (includes illus. nos. 2 and 6)
3	319298	2	Magnet Bracket
4	150445	4	1/4-20 x 3/4" Black Cap Head Setscrew
5	805037	1	Door Handle Assembly
6	185498	2	Main Door Glass
	401038	1	Black Glass Adhesive (10.3 oz. cartridge)
7	102357	1	Door Gasket
	401038	1	Black Gasket Adhesive (10.3 oz. cartridge)
8	152014	6	1/4-20 Free Spin Wash Nut
9	153073	3	#8-32 Nut
10	805057	1	Door Logo Assembly (includes illus. nos. 9 and 10)
11	881152	1	Black Top Hinge Block Assembly (includes illus. nos. 4 and 11)
12	153031	1	1/4" Nylon Washer
13	881151	1	Black Bottom Hinge Block Assembly (includes illus. nos. 4, 12, and 13)

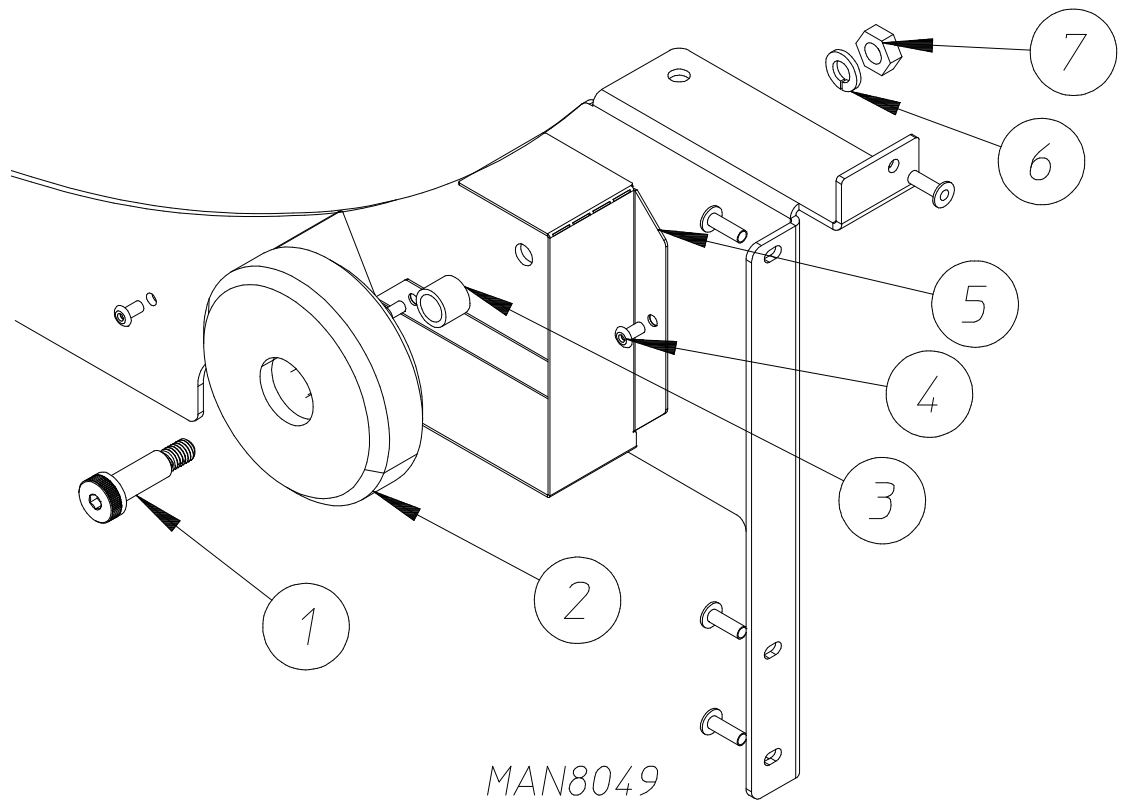


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150006	2	#6-32 x 7/8" Phillips Pan Head Machine Screw
2	152013	2	#6-32 Hex Nut
3	153010	2	#6 Star Washer
4	137005	1	Door Switch
5	122636	2	Flag Terminal
6	881211	1	Black Main Door Switch Housing ONLY
	881153	1	Black Main Door Switch Housing Complete (includes illus. nos. 1 through 4 and 6)
7	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw

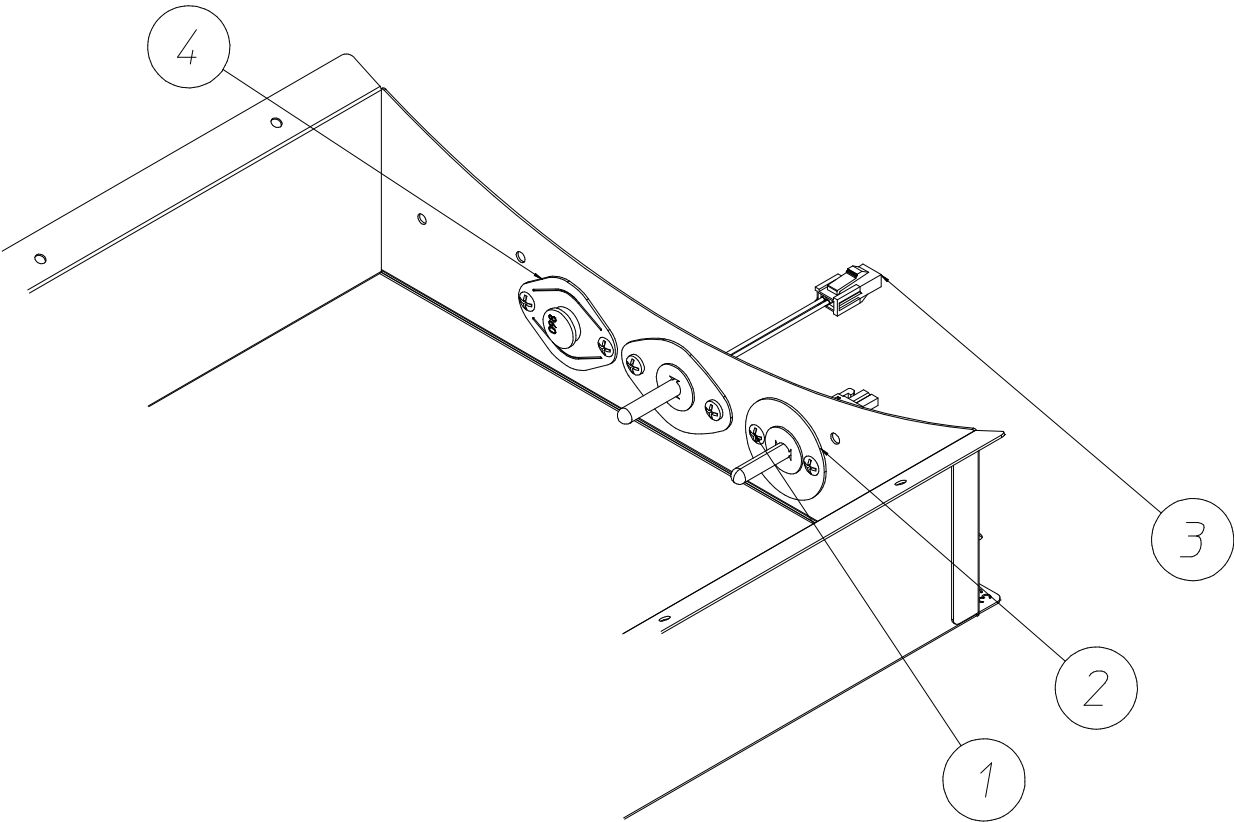
Tumbler / Support Assemblies



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	805044	1	Stainless Steel Tumbler / Support Assembly (includes illus. nos. 1 through 12)
	805000	1	Galvanized Tumbler / Support Assembly (includes illus. nos. 1 through 12)
2	115930	1	Front Felt Collar
3	305205	4	Stainless Steel Tumbler Rib
	305201	4	Galvanized Tumbler Rib
4	150407	1	5/16-18 x 3/4" Socket Button Head Screw
5	100903	4	3/8-16 x 38-1/2" Tie Rod
6	153004	4	3/8" Flat Washer
7	805001	1	Tumbler Support
8	152027	4	3/8-16 Hex Nylon Insert Lock Nut
9	153005	4	3/8" Lock Washer
10	153004	4	3/8" Flat Washer
11	115929	1	Rear Felt Collar
—	401010	1	#847 Adhesive for Felt Collar (5.0 oz. tube)
12	100812	1	1-3/8" Retaining Clip

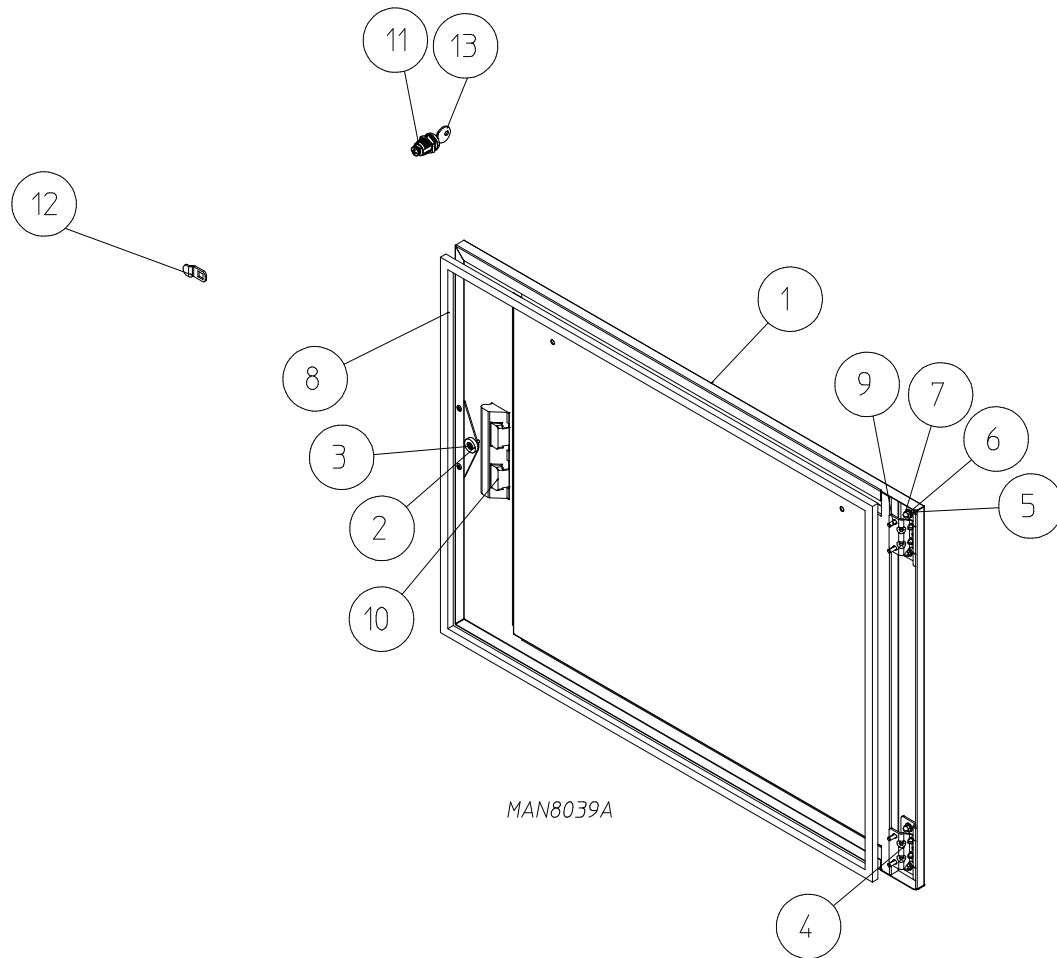


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	154264	2	#10-M8 x 25 mm Shoulder Screw Black Oxide
2	180060	2	Tumbler Wheel
3	154284	2	Tumbler Wheel Spacer
4	154200	—	5/32" Pop Rivet
5	305224	1	Right Wheel Guard
	305223	1	Left Wheel Guard
6	153002	2	5/16" Lock Washer
7	154013	2	M8 Hex Nut



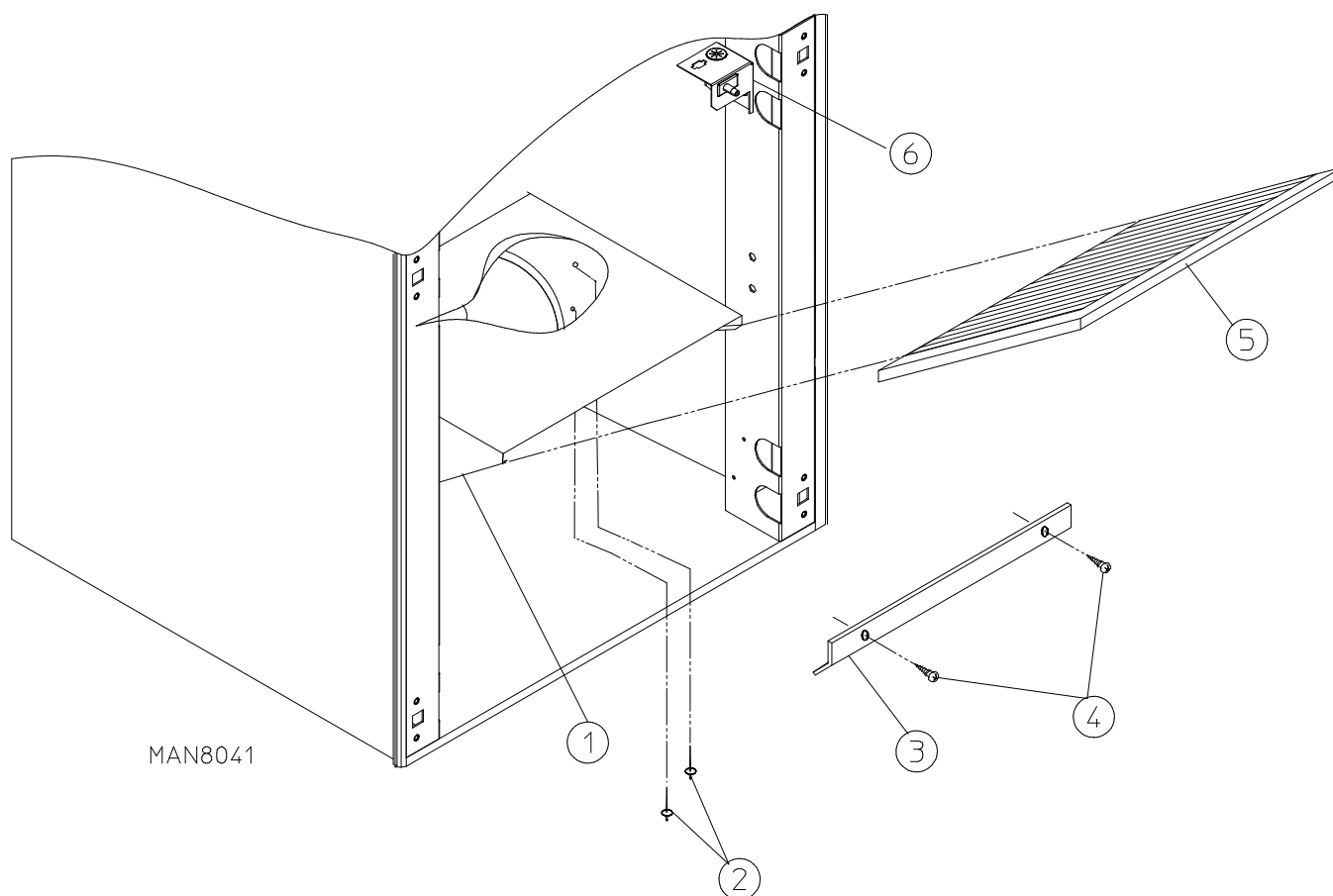
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<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150301	6	#8-18 x 7/16" Phillips Pan Head TEK Screw
2	819188	1	Variable Speed Temperature Sensor Assembly
3	833522	1	1/4" Exhaust Temperature Sensor Probe Assembly
4	130098	1	190° Hi-Limit Thermostat

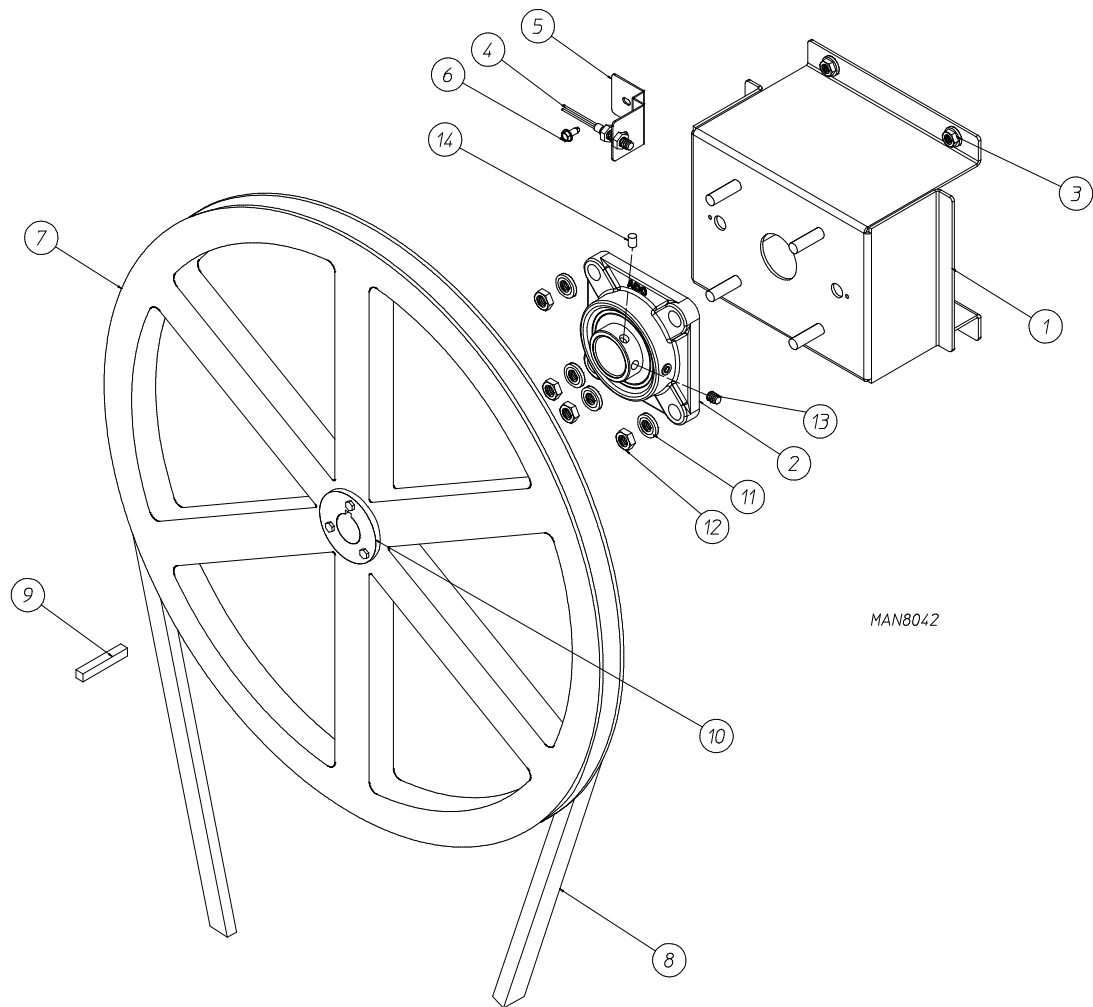


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	805026	1	Lint Door Assembly (includes illus. nos. 1 through 10)
	805214	1	Locking Lint Door (includes illus. nos. 1, 4 through 9, and 11 through 13)
2	102004	1	Door Magnet
3	154217	1	1/8" Pop Rivet
4	170224	1	Plastic Grip
5	103067	2	Door Hinge
6	153012	4	#8 Internal Star Washer
7	153000	4	#8 Flat Washer
8	151016	4	#8-32 Acorn Nut
9	117622	9	1/2" by 3/8" Semiclosed Foam Gasket
10	183129	4	#10-32 x 1/2" TORX® Truss Head Machine Screw
11	160015	1	Lock with Key
12	160052	1	Lock Cam
13	160104	1	Key for Lint Door Lock

Lint Trap Assembly

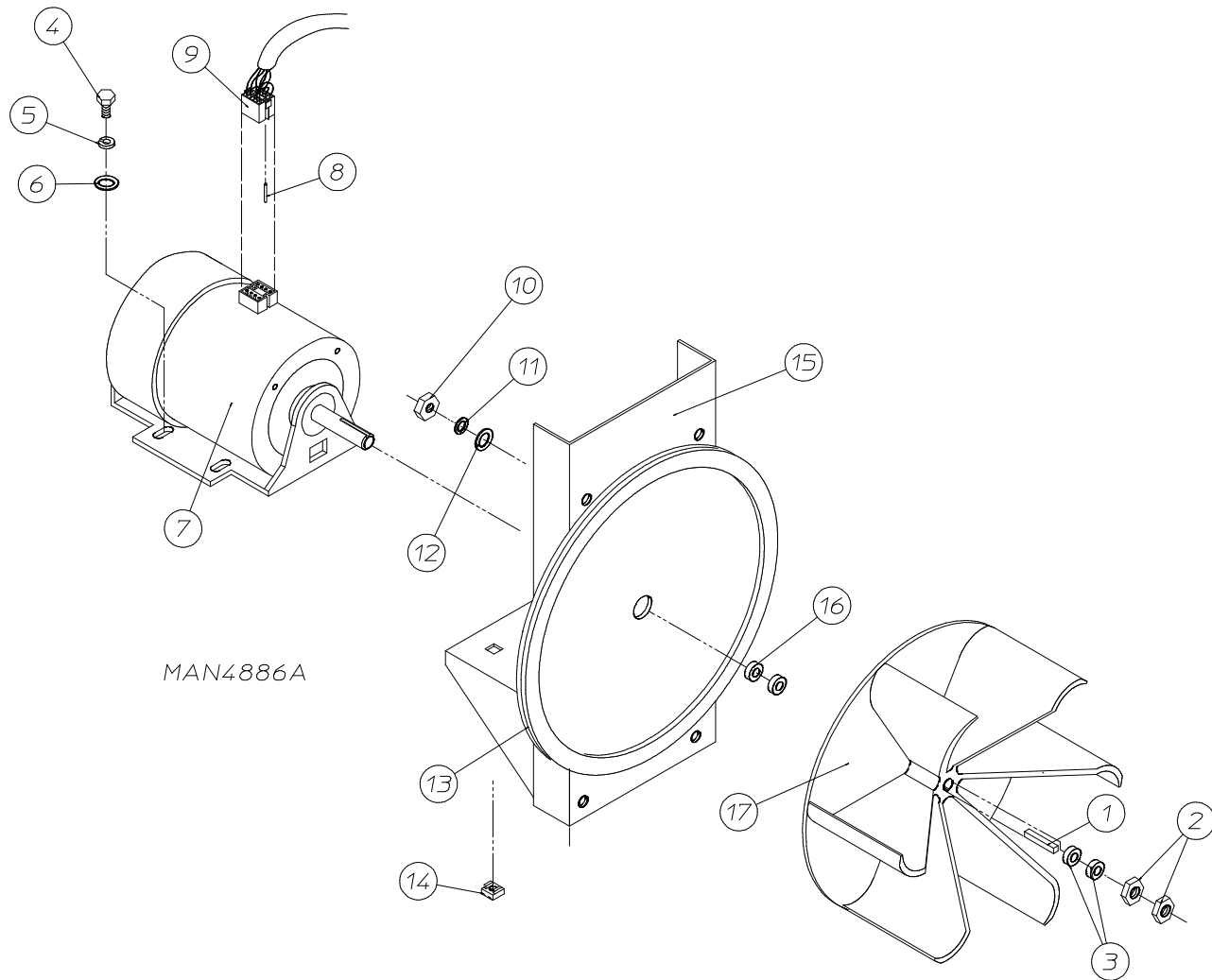


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	817725	1	Lint Trap Assembly Complete (includes illus. nos. 1 and 3 through 5)
	817726	1	Lint Trap ONLY
2	154210	8	5/32" Pop Rivet
3	317155	1	Lint Screen Holder ONLY
4	150300	4	#10-16 x 1/2" Hex Washer TEK Screw
5	800506	1	Lint Screen Assembly
6	835571	1	Lint Switch Bracket Assembly
	122116	1	Lint Switch ONLY

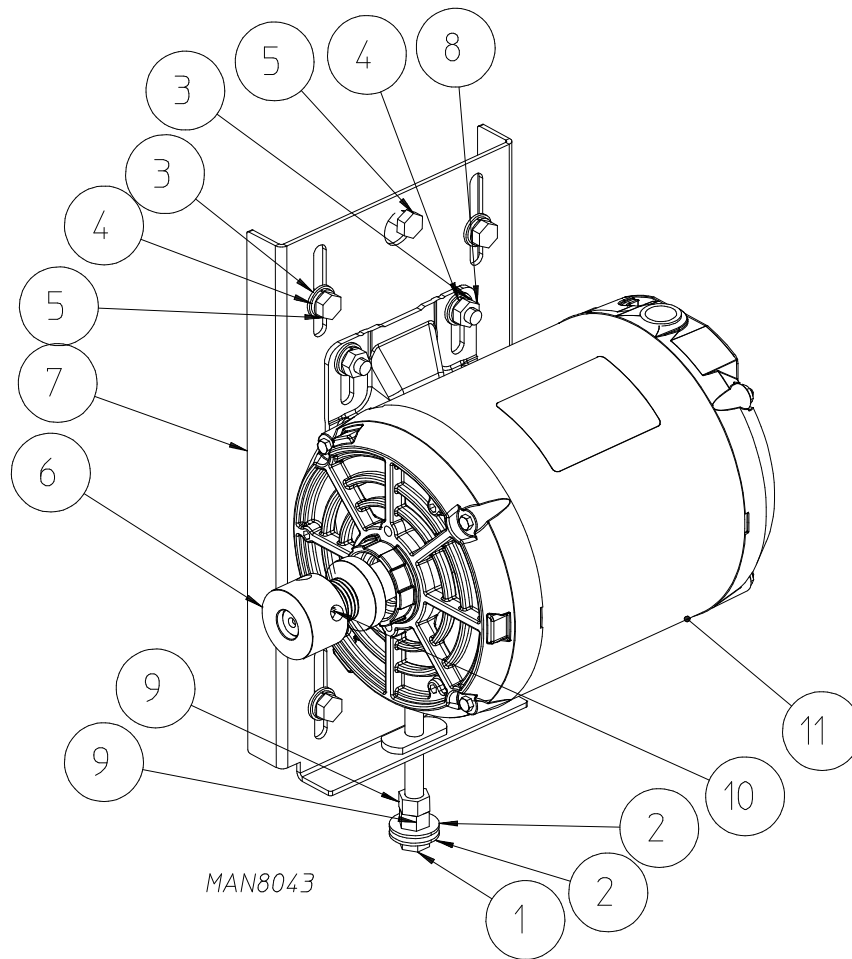


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	805022	1	1-3/8" Flange Bearing Mount (includes illus. nos. 1 and 3)
2	884485	1	1-3/8" Flange Bearing Assembly (includes illus. nos. 2, 13, and 14)
3	152038	4	5/16-18 Hex Serrated Flange Nut
4	822735	1	Rotation Sensor
5	835596	1	Rotation Sensor Assembly (includes illus. nos. 4 through 6)
6	150300	1	#10-16 x 1/2" Hex Washer TEK
7	101258	1	19" 10 Groove Pulley with Shoulder (for models mfd. as of June 13, 2014)
	101255	1	19" 10 Groove Pulley (for models mfd. prior to June 13, 2014)
8	102427	1	10 Rib J-Belt
9	100724	1	1/4" x 1/4" x 1-1/4" Key
10	101110	1	1" Bushing (for models mfd. as of June 13, 2014)
	101107	1	1" Bushing (for models mfd. prior to June 13, 2014)
11	153005	4	3/8" Lock Washer
12	152005	4	3/8-16 Hex Nut
13	154321	2	Setscrew
14	170608	1	0.25 x 0.25 Magnet

Blower Motor Mount Assembly

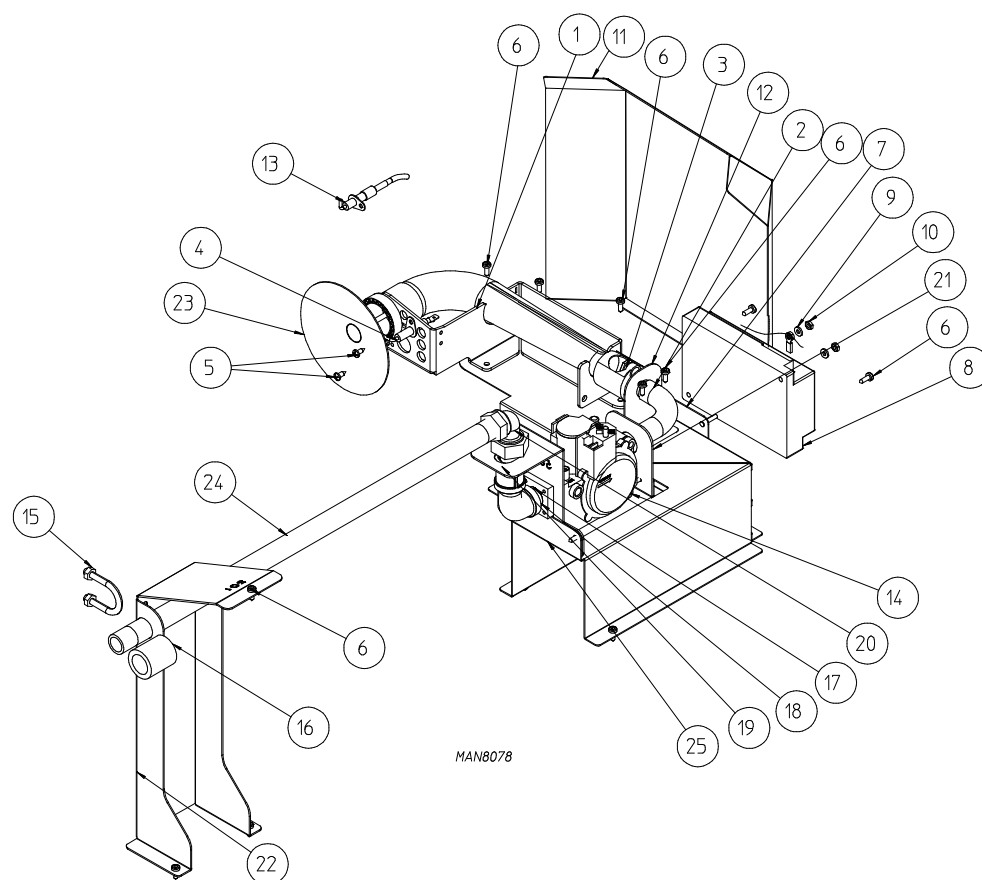


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	100702	1	1/8" x 1/8" x 1-1/2" Key
2	152006	2	1/2-20 Left-Hand Jam Nut
3	153050	2	1/2" S.A.E. Flat Washer
4	150501	4	5/16-18 x 3/4" Tap Bolt
5	153002	4	5/16" Lock Washer
6	153001	4	5/16" Flat Washer
7	100068	1	3/4 hp 240V 1ø 50 Hz Fan Motor with Plug
8	122701	8	Socket Terminal ONLY
	122801	1	Pin / Socket Extraction Tool
9	137030	1	8-Pin Housing Connector
10	152004	4	5/16-18 Hex Nut
11	153002	4	5/16" Lock Washer
12	153001	4	5/16" Flat Washer
13	117600	4	Noise Suppressor Tape (sold by the foot)
14	154000	4	5/16-18 Tinnerman Nut
15	803561	1	Motor Mount ONLY (56Z frame)
	817710	1	3/4 hp 240V 1ø 50 Hz Fan Motor Mount Assembly Complete with Plug Motor (includes illus. nos. 2 through 7 and 13 through 17)
16	153050	2	1/2" S.A.E. Flat Washer
17	822364	1	16" Impellor with 1/2" Bore



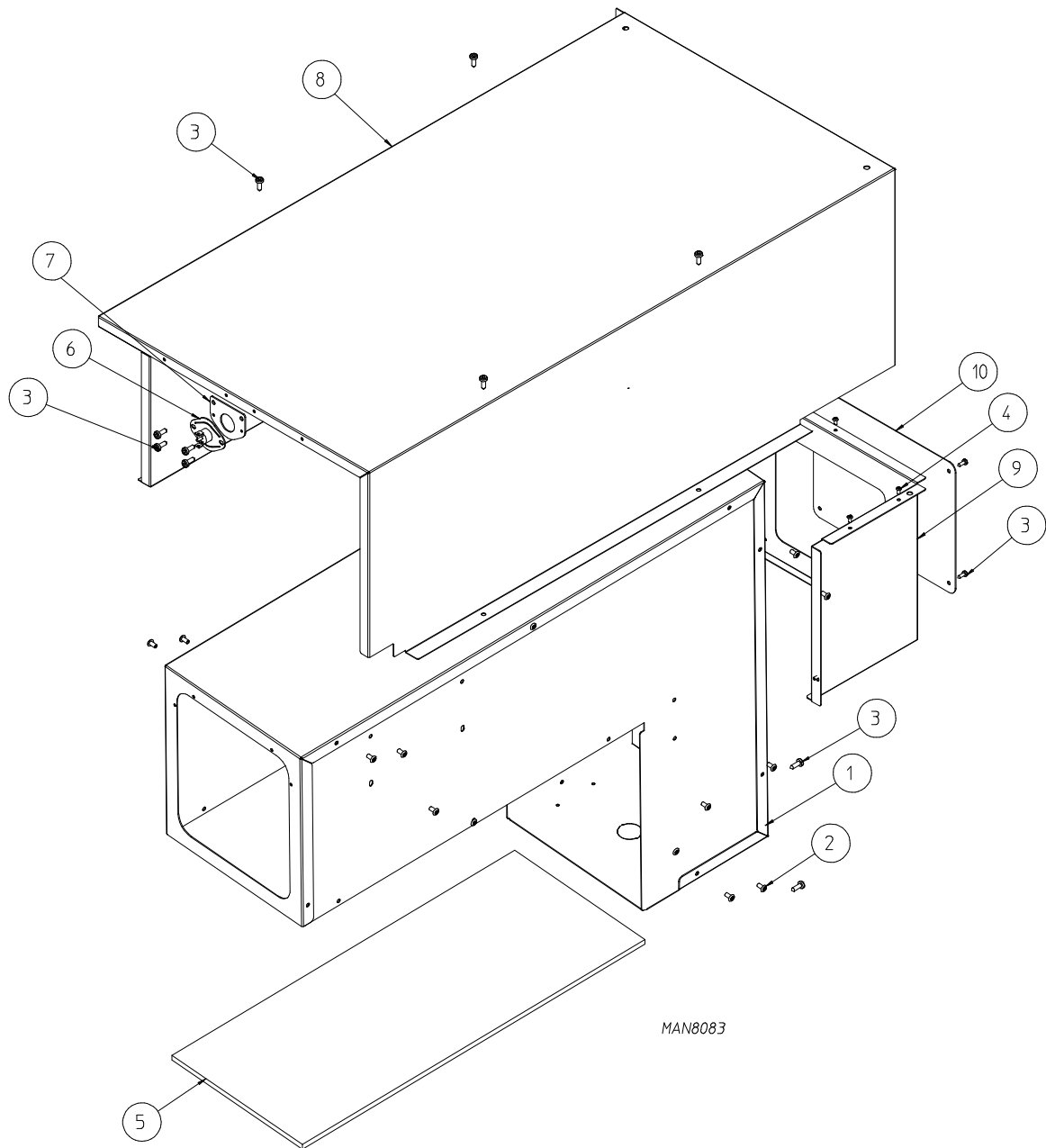
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150619	1	3/8-16 x 3" Hex Head Tap Bolt
2	153004	2	0.375 Flat Washer
3	153001	8	5/16 Flat Washer
4	153002	8	5/16" Lock Washer
5	150501	5	5/16-18 x 3/4" Hex Head Machine Bolt
6	305278	1	Motor Sheave (for models mfd. as of May 15, 2014)
	317138	1	Motor Sheave (for models mfd. prior to May 15, 2014)
7	835585	1	Drive Motor Carriage
8	152004	4	5/16-18 Hex Nut
9	152005	2	3/8-16 Hex Nut
10	154321	1	5/16-24 x 3/8" Alan Setscrew
11	181198	1	1 hp 208-230/460V 50/60 Hz 6 Pole Motor

Gas Burner Assembly



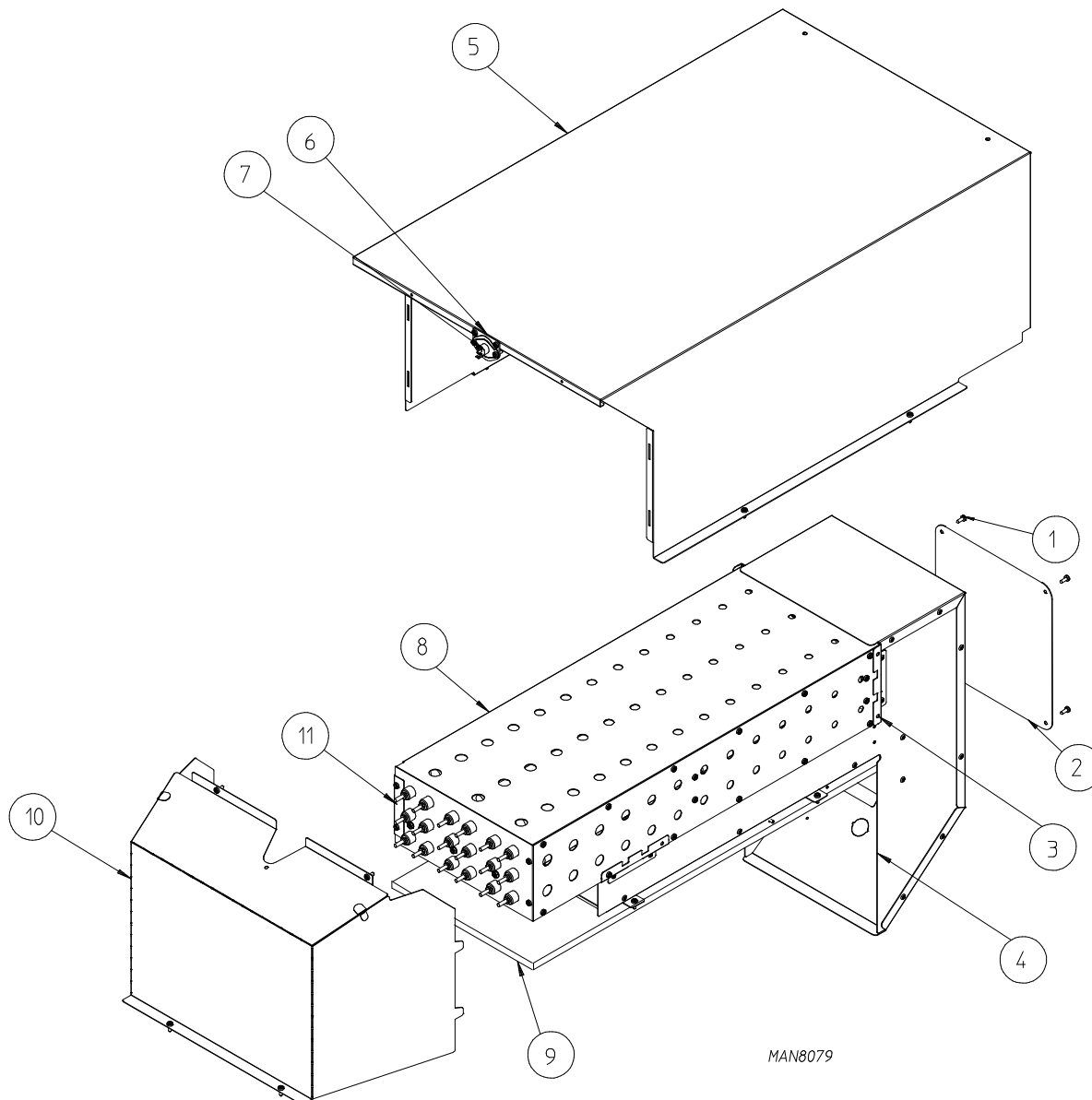
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	312644	1	Burner Tube Mounting Bracket
2	141238	1	1/2" x 90° Burner Manifold
3	140838	1	#3 Burner Orifice for Natural Gas
	140851	1	#32 Burner Orifice for Liquid Propane Gas
	884490	1	SD-50 L.P. Kit
4	128918	1	Flame Sensor
5	150301	4	#8-18 x 7/16" Phillips Pan Head TEK Screw
6	150331	16	#8-18 x 1/2" Pan Head TORX® Screw
7	812625	1	Gas Module Mounting Plate Studded Assembly
8	887145	1	DSI Module 3 Tries
9	153017	2	#6 SAE Washer
10	152013	2	#6-32 Hex Nut
11	817740	1	Heat Deflector Assembly
12	312651	1	Gas Manifold Bracket
13	128902	1	Ignitor with 36" Noise Suppression Cable
14	128985	1	CE Gas Valve 24V 50/60 Hz
15	154355	1	U-Bolt for 1/2" Pipe with Nuts
16	142935	1	1/2" B.S.P.T. x 1/2" N.P.T. Transition Coupling
17	142700	1	1/2" Close Nipple
18	142506	1	0.5 x 0.5 Street Elbow Black Iron
19	143001	1	1/2" Black Iron Coupling
20	141317	1	1/2" Bronze Union Elbow
21	305231	1	CE Gas Valve Mounting Bracket
22	305232	1	Gas Pipe Bracket
23	141131	1	Burner Tube
24	142956	1	0.5 N.P.T. x 20.62" Black Iron Pipe
25	305229	1	Gas Train Mounting Channel

Gas Burner Box and Preheat Conduit

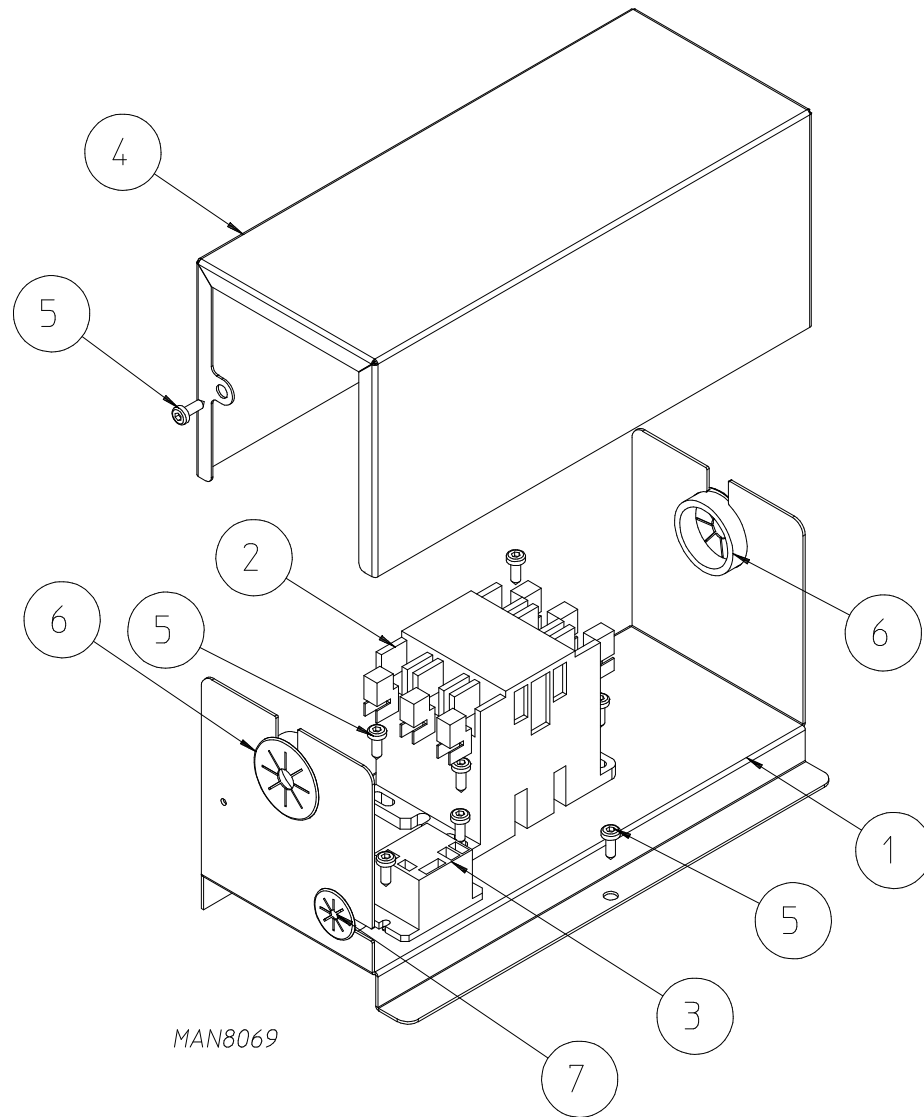


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	805018	1	Burner Box
2	154211	—	5/32" Buttonhead Rivet
3	150331	—	#8-18 x 1/2" Pan Head TORX® Screw
4	154200	7	5/32" Pop Rivet
5	116358	1	Burner Box Insulation
6	130201	1	330° F Manual Reset Thermostat
7	335468	1	Hi-Limit Bracket
8	805021	1	Preheat Top Conduit (includes illus. nos. 3, 6, and 7)
9	805020	1	Preheat Rear Conduit (includes illus. no. 10)
10	305235	1	Rear Conduit Access Cover

Electric Burner Assembly



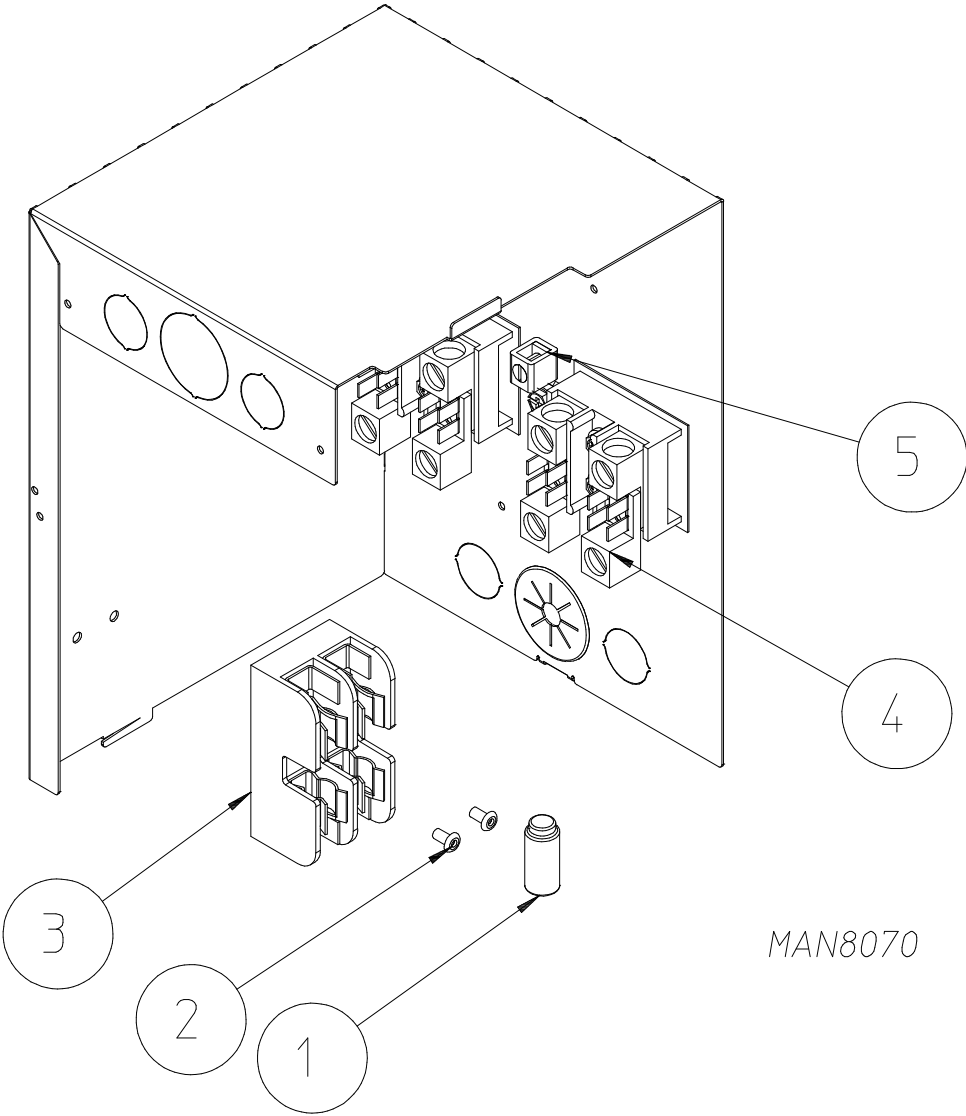
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150331	8	#8-18 x 1/2" Pan Head TORX® Screw
2	305270	1	Electric Burner Box Cover
3	154211	—	5/32" Buttonhead Rivet
4	805103	1	Burner Box Assembly (includes illus. nos. 1 through 4 and 9)
5	805108	1	Preheat Top Conduit Assembly (includes illus. nos. 6 and 7)
6	335468	1	Hi-Limit Bracket
7	130301	1	225° Hi-Limit Thermostat
8	805101	1	Electric Oven Assembly (includes illus. no. 11)
9	116358	1	Burner Box Insulation
10	805104	1	Front Heat Deflector
11	119997	1	Electric Element



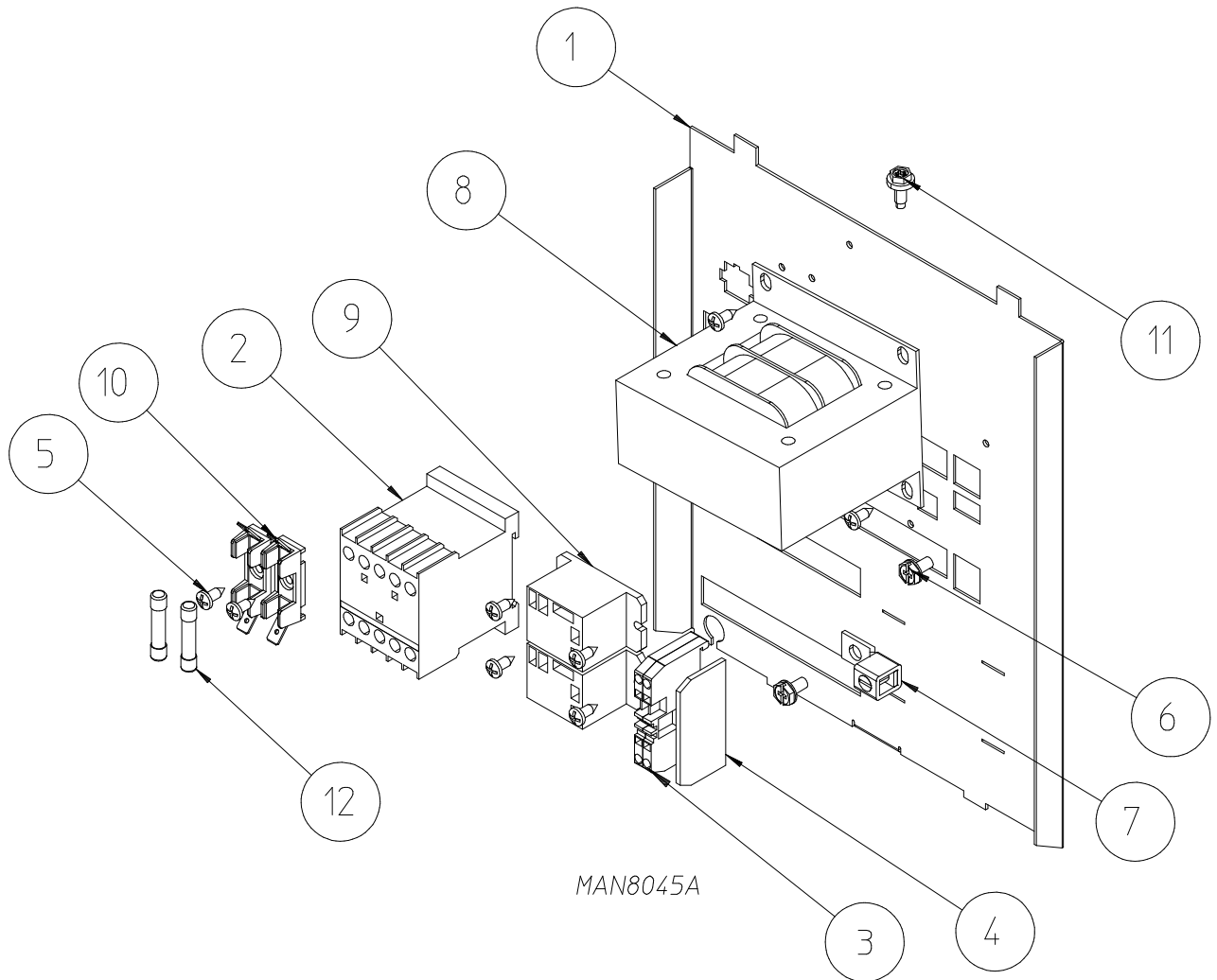
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<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	305273	1	Electric Heat Contactor and Relay Bracket
2	131379	1	TPST 40-amp Oven Contactor
3	131406	1	Relay SPDT 24VAC Panel Mount
4	305421	1	Electric Heat Contactor and Relay Cover
5	150331	8	#8-18 x 1/2" Pan Head TORX® Screw
6	121410	2	1-3/8" Universal Bushing
7	121400	1	7/8" Universal Bushing

Electric Heat Terminal Block Panel

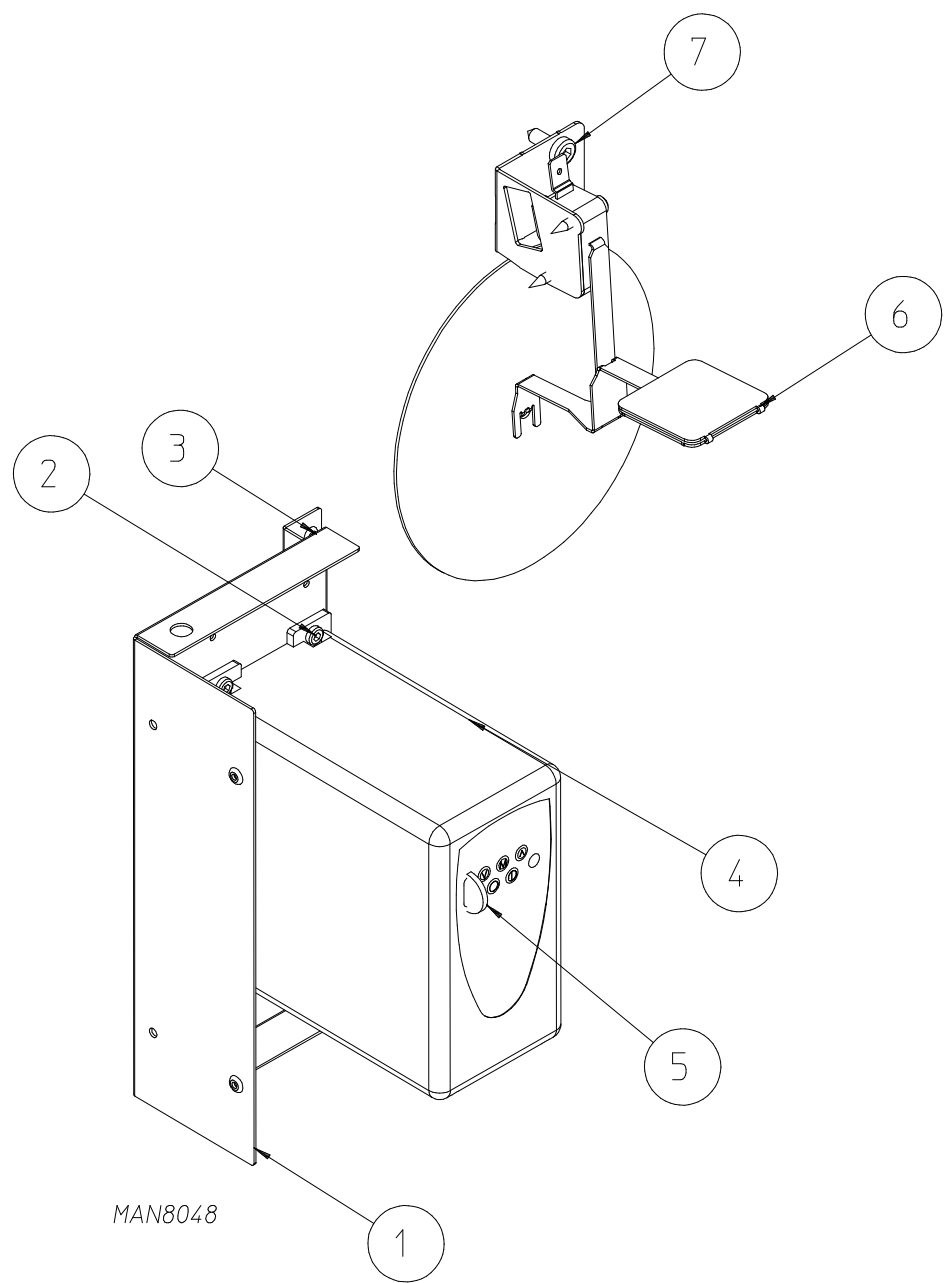


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	136120	2	25-amp Time Delay Fuse
2	154200	2	5/32" Pop Rivet
3	136037	1	Class CC Fuse Block
4	120699	2	2-Pole Power Terminal Block
	120698	2	2-Pole Power Terminal Block Insulator
5	121010	1	L70 14-4 Terminal Lug

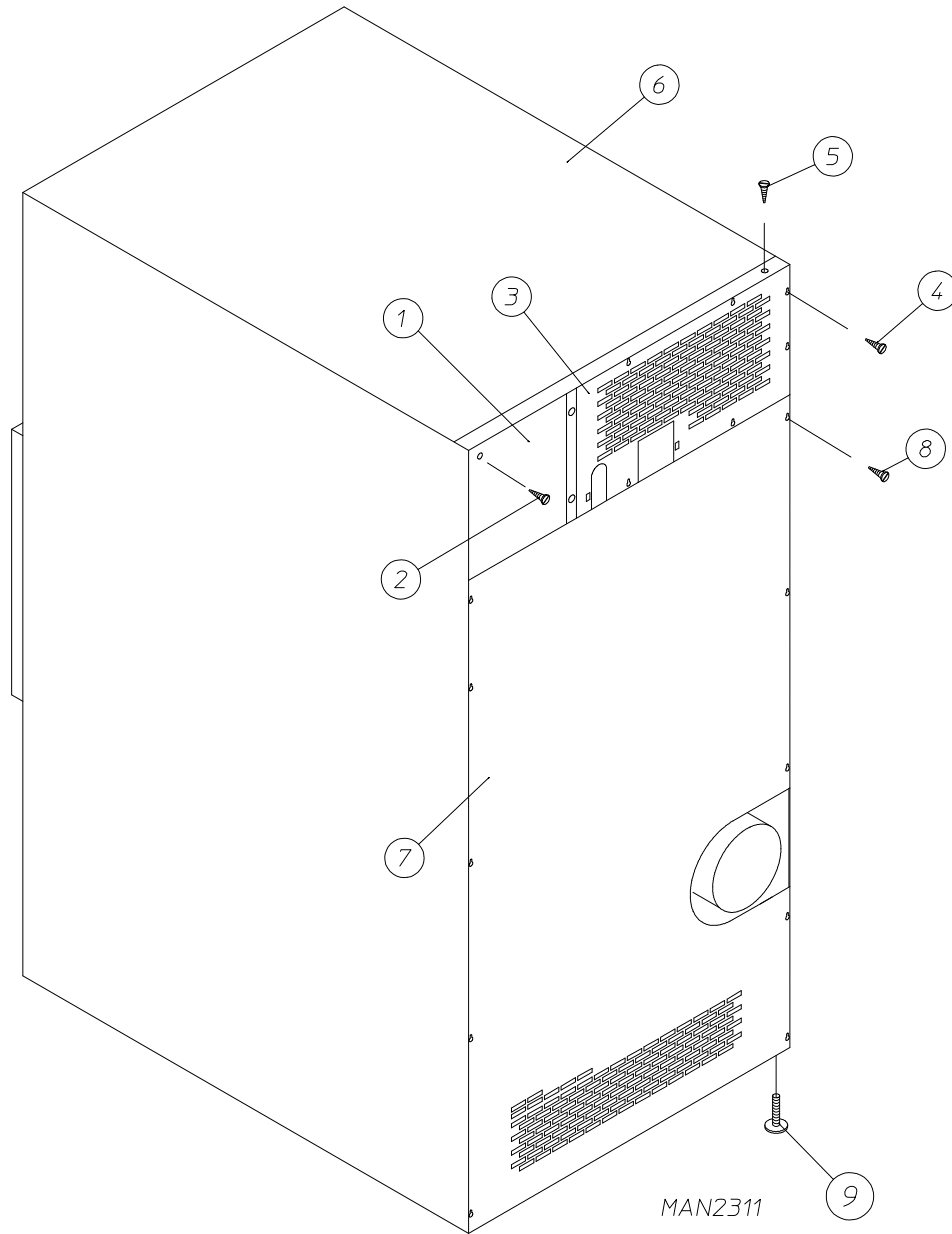


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	398301	1	Electrical Panel ONLY
	803385	1	208-240V 1Ø Electrical Panel
	805515	1	380-416V 3Ø Electrical Panel (electric heat only)
2	131394	1	3-Pole Contactor
3	120786	2	2 Cod. Thru Terminal Block
4	120787	1	End Plate
5	150301	—	#8-18 x 7/16" Phillips Pan Head TEK Screw
6	120910	2	Green Ground Screw
7	121010	1	L70 14-4 Terminal Lug
8	803383	1	Transformer Assembly
9	131406	2	Relay SPDT 24 VAC Panel Mount
10	136008	—	Fuse Holder
11	150297	1	#10-16 x 0.5 Hex Washer TEK Screw (green)
12	136101	—	.8-amp Slo-Blo Fuse

VFD and Sail Switch Assemblies



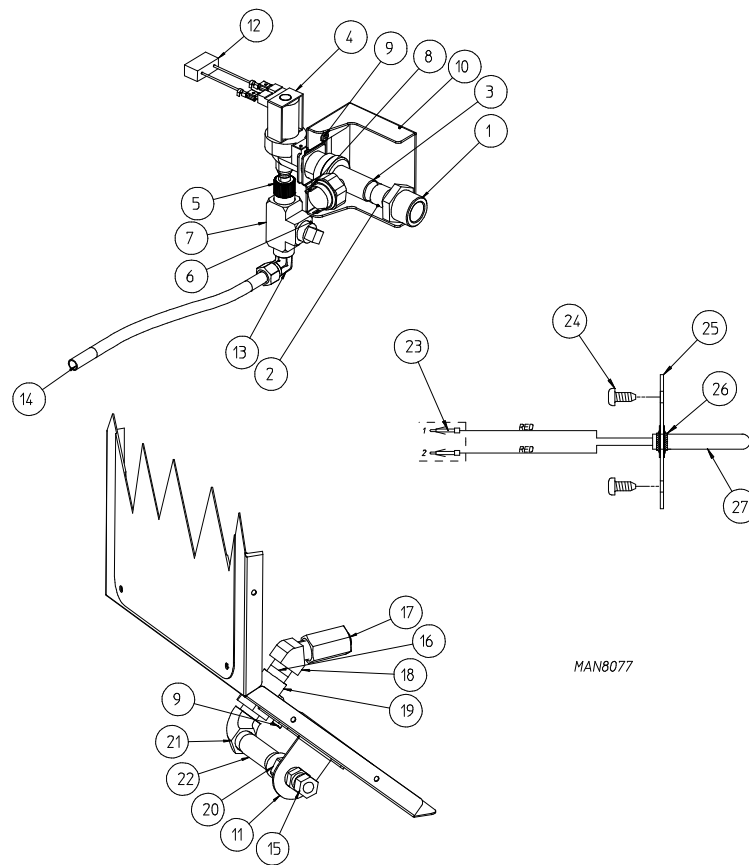
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	335438	1	VFD Mounting Bracket
2	150331	4	#8-18 x 1/2" Pan Head TORX® Screw
3	154200	4	5/32" Pop Rivet
4	181175	1	200-240V Variable Speed Drive
5	884507	1	Logicstick
6	828238	1	Sail Switch Assembly
7	150331	2	#8-18 x 1/2" Pan Head TORX® Screw



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	355017	1	Back Electrical Box Cover (gas models)
	322935	1	Back Electrical Box Cover (electric models)
2	150331	4	#8-18 x 1/2" Pan Head TORX® Screw
3*	305249	1	Top Back Guard (gas models)
	305271	1	Top Back Guard (electric models)
4	150331	5	#8-18 x 1/2" Pan Head TORX® Screw
5	150331	7	#10-16 x 1/2" Hex Washer TEK Screw
6*	835590	1	Outer Top
7	305248	1	Bottom Back Guard
8	150331	9	#8-18 x 1/2" Pan Head TORX® Screw
9	103500	4	Leveling Leg

* There is no outer top or top back guard on steam models.

Fire Suppression Assembly



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	143263	1	0.750 x 0.375 Brass Reducing Bushing
2	143348	1	3/8" x 1-1/2" Brass Nipple
3	143182	1	0.75 x Ght 0.125 x 0.375 N.P.T. Brass Tee
4	165119	1	S.A.F.E. Water Inlet Valve
5	143183	1	0.4375-20 x 0.375 N.P.T. Brass Adapter
6	143251	1	0.375 MPT Brass Plug
7	143220	1	0.375 F.P.T. Brass Tee
8	136987	1	Water Jet Pressure Switch
9	150331	6	#8-18 x 1/2" Pan Head TORX® Screw
10	317180	1	S.A.F.E. Valve Bracket
11	317181	1	Nozzle Bracket
12	824081	1	R.C. Network Assembly
13	143320	1	0.375 Comp x 0.375 M.N.P.T. Brass Elbow
14	143099	9	0.375 Soft Copper Tubing 8.5"
15	143208	1	0.375 Comp x 0.375 M.P.T. Connector
16	143241	1	0.375 Close Brass Nipple
17	143581	1	Fire Suppression Nozzle
18	143301	2	0.375 Brass 45 Degree Street Elbow
19	143257	1	0.375 Bulkhead Adapter
20	184123	1	3/8" Brass Coupling
21	143155	1	0.375 Brass Street Elbow
22	143323	2	0.375" x 3" Brass Nipple
23	122647	1	Connector ONLY
24	150301	2	#8-18 Pan Head Screw
25	390390	1	Sensor Bracket Only
26	159007	2	Push-On Fastener
27	822752	1	S.A.F.E. Temperature Probe Assembly (includes illus. nos. 23 and 25 through 27)

<u>Part No.</u>	<u>Description</u>
114006	"WARNING – Fire Hazards" Label
112280	"Clean Lint Screen" Label
114001	"CAUTION – Exhaust / Lint Screen" Label
120100	3/8" Straight (BX) Connector
120300	3/8" x 45° (BX) Connector
120400	3/8" Red Jacket (BX) Insulator
120500	3/8" Jiffy Clip (BX retainer clip)
120600	3/8" Greenfield (BX)
120707	(2-Position) Terminal Strip
120708	(3-Position) Terminal Strip
120800	1/4" In-Line Connector
120802	Red Butt Connector
120902	#74B Wire Nut
120903	Crimp-On Wire Nut
121014	1/4" Insulated (female) Terminal
121026	Tab Receptacle Combination
121499	5-1/2" Harness Tie
121500	8" Harness Tie
122804	Manometer (hydro gauge) for Measuring Gas Pressure
404502	White Brush-In-Cap Bottle Touch-Up Paint

