



AD/ML-78 Parts Manual

**Phase 7 / Dual Timer
With F.S.S./S.A.F.E. Options**

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www.amdry.com

Retain This Manual In A Safe Place For Future Reference

American Dryer Corporation products embody 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. **ADC** 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. _____

RESELLER'S NAME _____

Serial Number(s) _____

Replacement parts can be obtained from your reseller or the **ADC** factory. When ordering replacement parts from the factory, you can FAX your order to **ADC** at (508) 678-9447 or telephone your order directly to the **ADC** Parts Department at (508) 678-9000. 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”

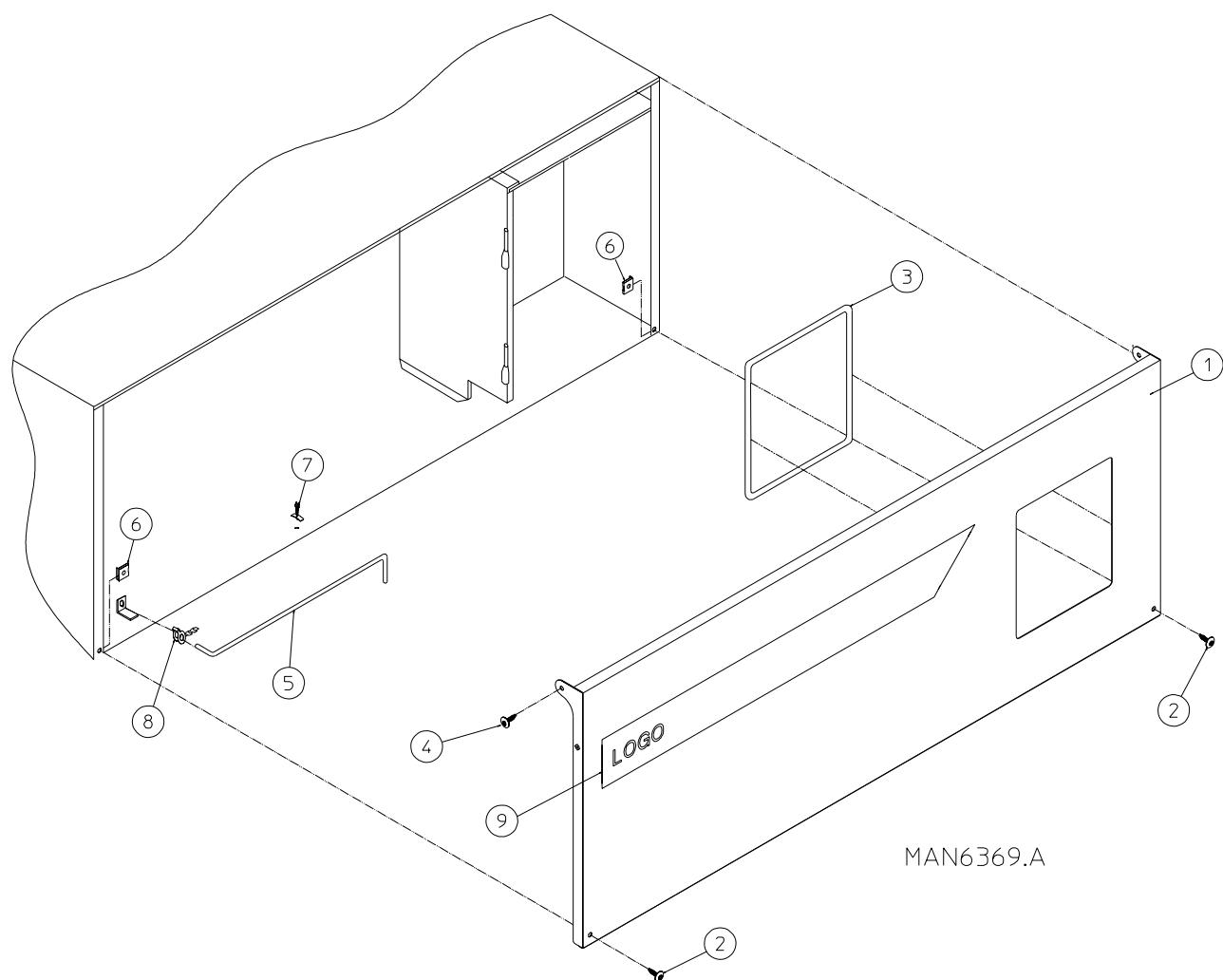
Information **must be** obtained from your local gas supplier on the instructions to be followed if the user smells gas. These instructions **must be** posted in a prominent location near the dryer.

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Phase 7 Non-Coin Microprocessor Control Door Assembly

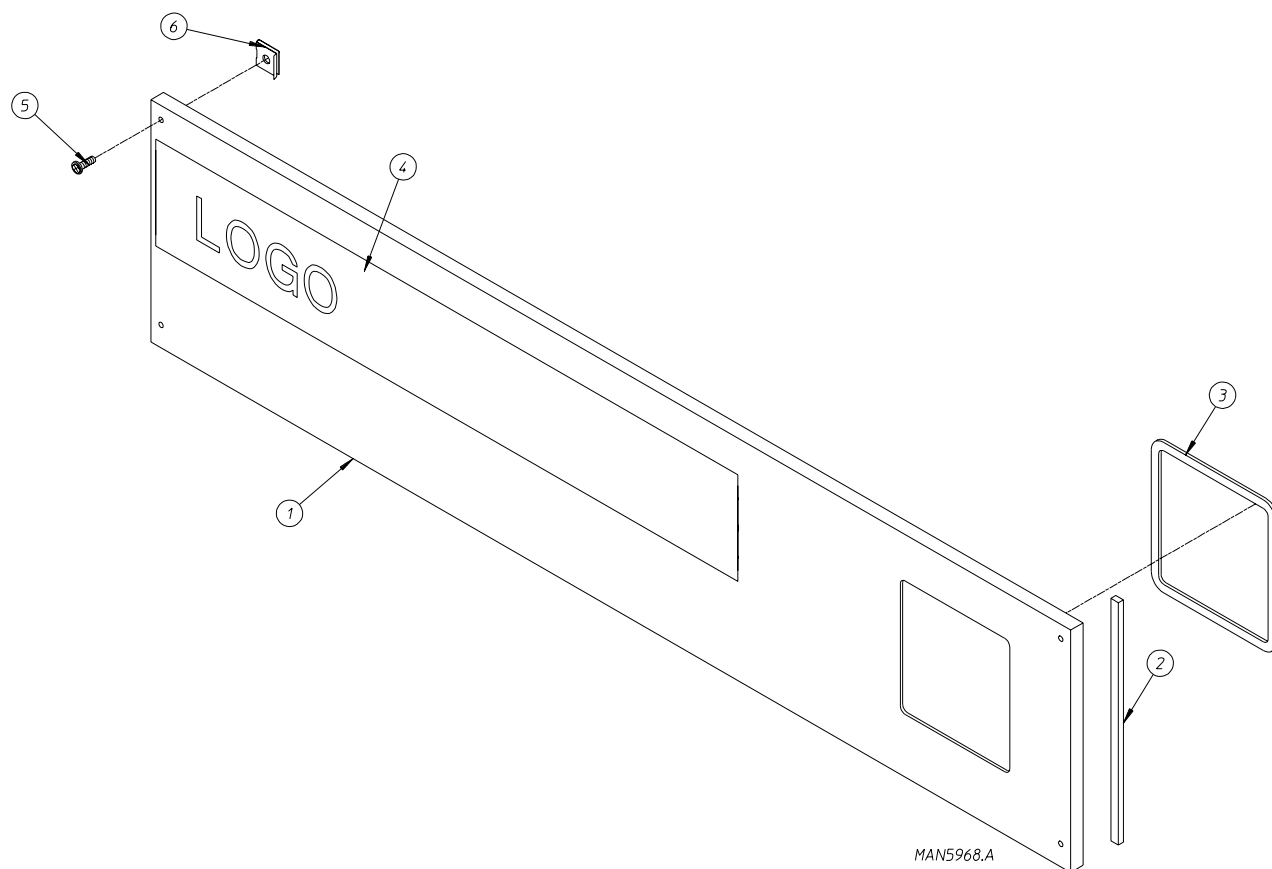
For Models Mfd. as of July 11, 2002



MAN6369.A

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	883474	1	White Non-Coin Control Door (includes illus. nos. 1 and 3)
2	150321	2	#10-32 x 1/2" Phillips Machine Screw
3	117604	4	Noise Suppression Tape (sold by the foot)
4	150317	2	#10-16 x 3/4" TORX + BTN, Type 1
5	102503	1	Control Door Support Rod
6	154011	2	#10-32 Multi-Thread U-Nut
7	102602	1	Control Door Rod Support Latch
8	102601	1	Control Door Rod Retainer Clip
9	-----*	1	Logo Only

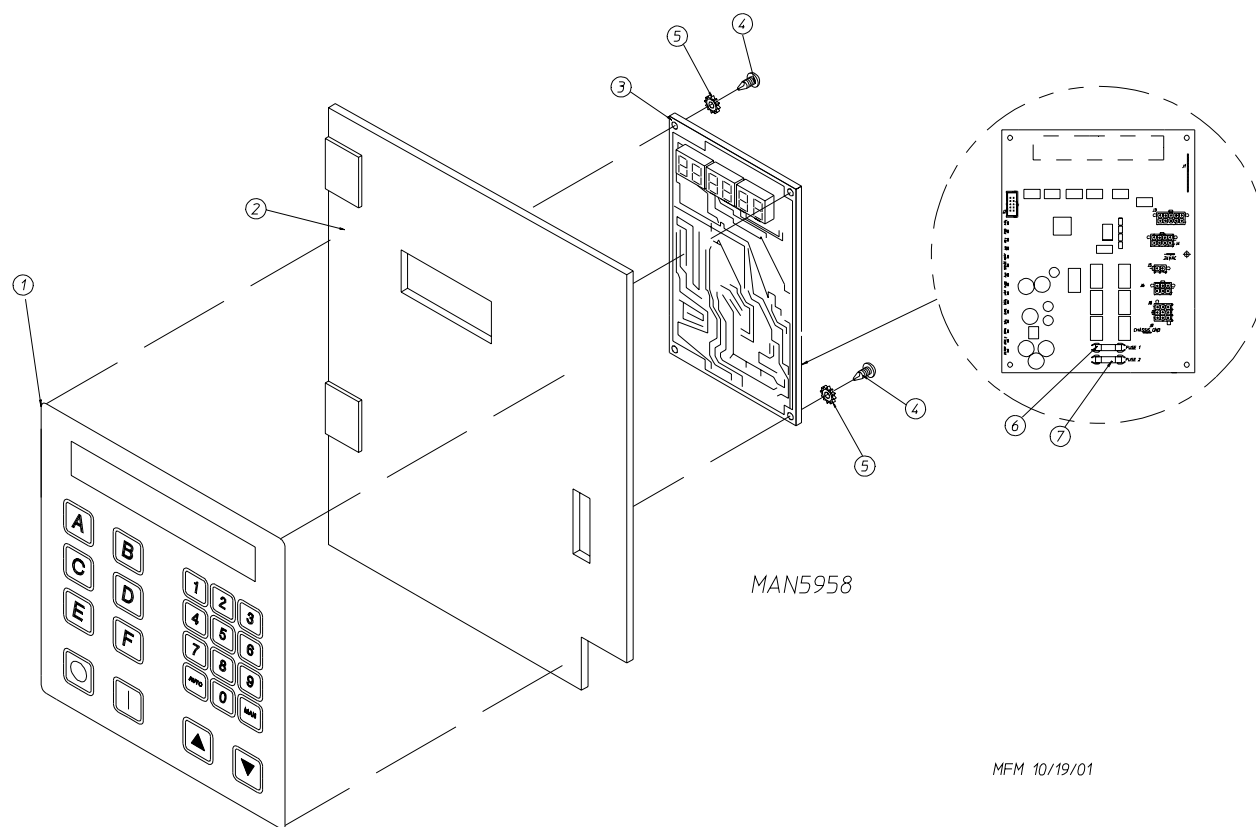
* Contact reseller for logo.



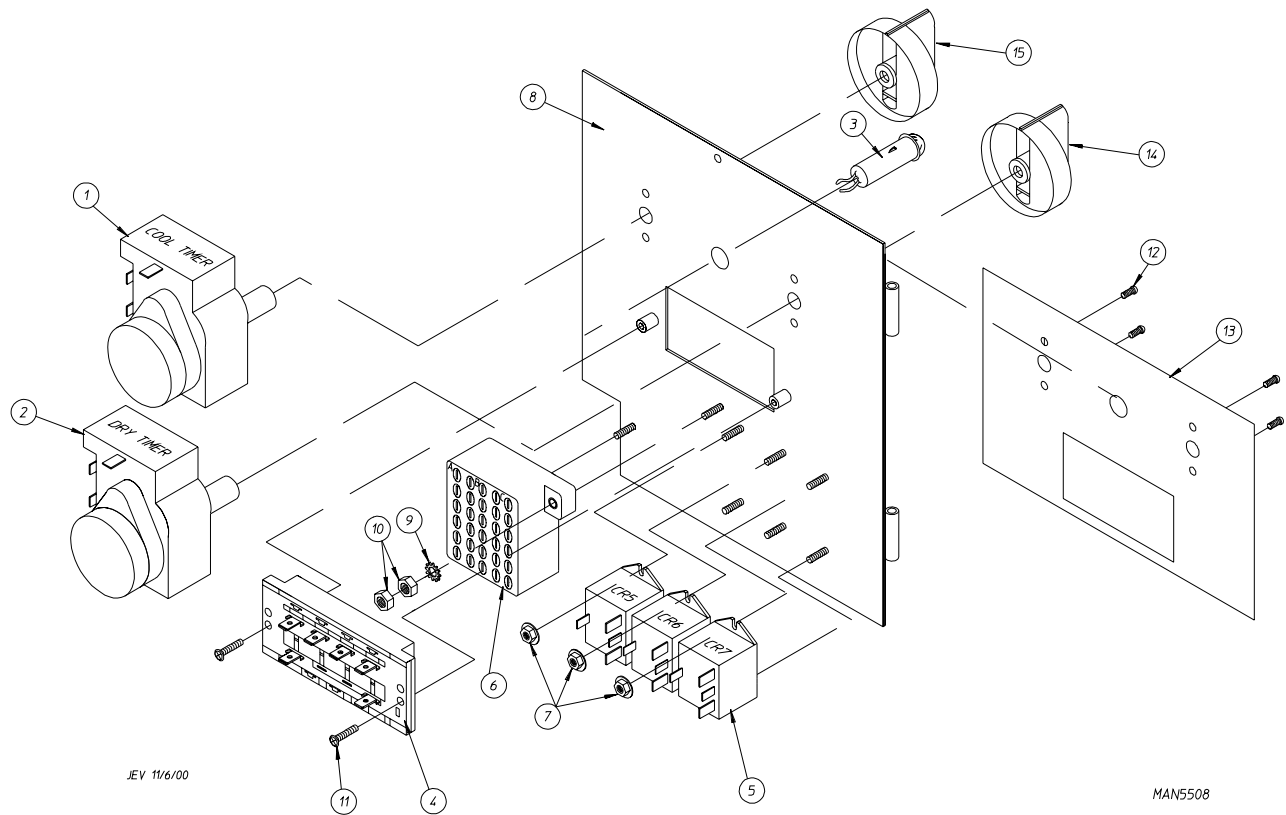
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	801823	1	Control Door Assembly (includes illus. nos. 1 through 3)
2	117605	2	Neoprene Sponge Tape
3	117604	4	Noise Suppression Tape (sold by the foot)
4	-----*	1	Logo Only
5	150314	4	#10-32 x 1/2" TORX Screw
6	154011	4	#10-32 Multi-Thread U-Nut

* Contact reseller for logo.

Phase 7 Non-Coin Microprocessor Control Panel Assembly

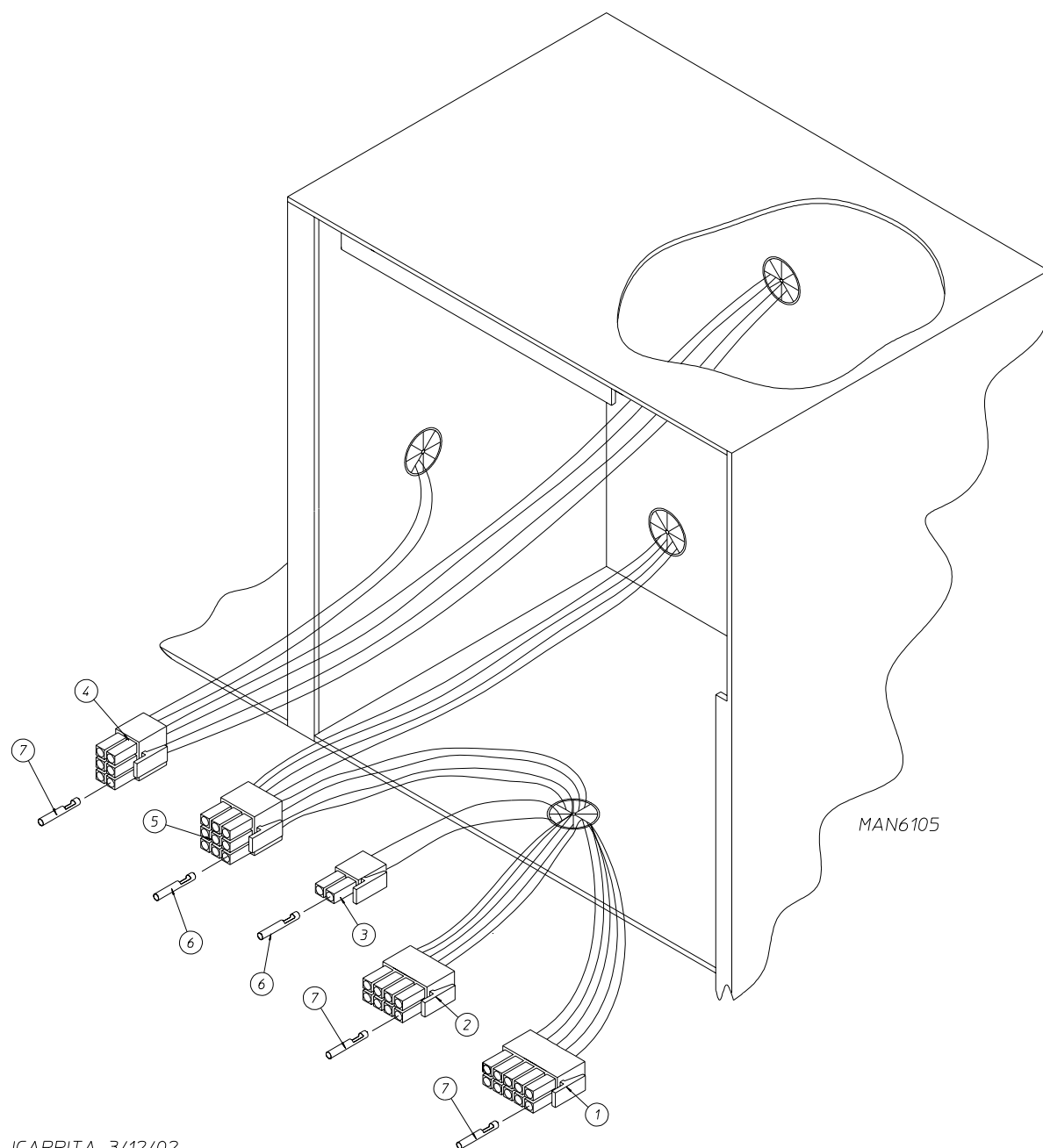


<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	112571	1	Phase 7 Non-Coin Keypad
2	850984	1	Phase 7 Non-Coin Microprocessor Controller (computer) Panel Only
	883749	1	Phase 7 Non-Coin Reversing Microprocessor Controller (computer) Control Panel Assembly Complete with F.S.S./S.A.F.E. System (includes illus. nos. 1 through 7)
3	883744	1	Phase 7 Non-Coin Microprocessor Controller (computer) Only with F.S.S./S.A.F.E. System
4	150005	2	#6-32 x 3/4" Phillips Round Head Machine Screw
5	153010	2	#6 Star Washer
6	136016	1	5-Amp Fuse
7	136097	1	500 mA Fuse



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	824298	1	15 Minute Timer - 24 VAC
2	824299	1	60 Minute Timer - 24 VAC
3	824175	1	Red Pilot Light - 24 VAC
4	122301	1	“Tap Touch” Switch
5	131932	3	Relay SPST 24v
6	120730	1	30-Position Terminal Block
7	151000	6	#6-32 Pal Nut
8	882903	1	Dual Timer Panel Complete (includes illus. nos. 1 through 15)
	850392	-	Dual Timer Panel Only
9	153010	2	#6 Star Washer
10	152000	3	#6-32 Hex Nut
11	150207	2	#10-24 x 1/2” Phillips Pan Head Machine Screw
12	150110	4	#8-32 x 1/4” Phillips Round Head Machine Screw
13	112563	1	Dual Timer Panel Overlay
14	124104	1	Pure Touch Knob with Red Pointer
15	124105	1	Pure Touch Knob with Blue Pointer

Phase 7 Non-Coin Microprocessor Control Box Assembly

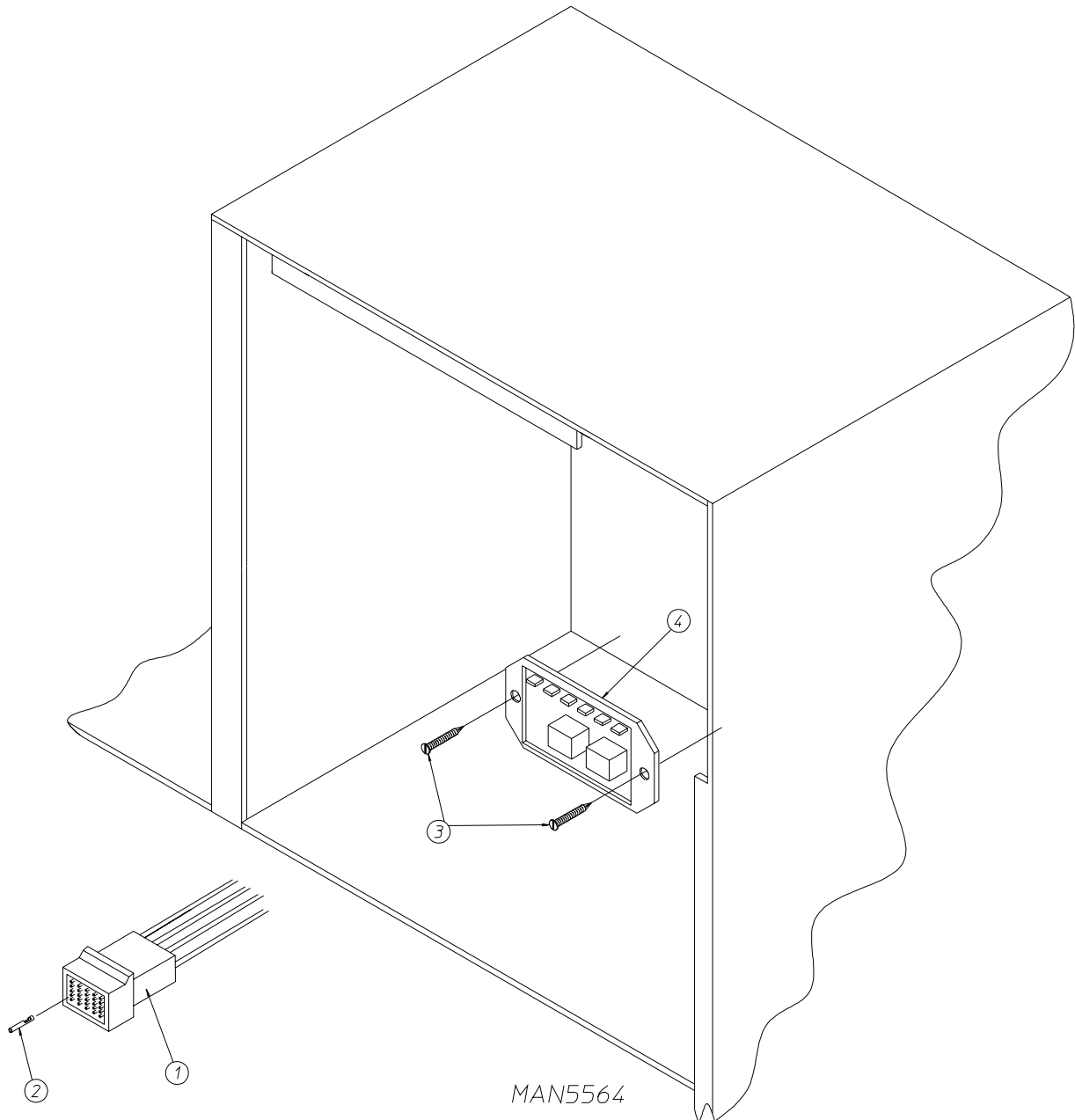


JCARRITA 3/12/02

<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 Connector
5	122640	1	9-Pin Connector
6	122706	*	#20-16 U.M.N.L. Socket
7	122669	*	Female Crimp Terminal

* As needed.

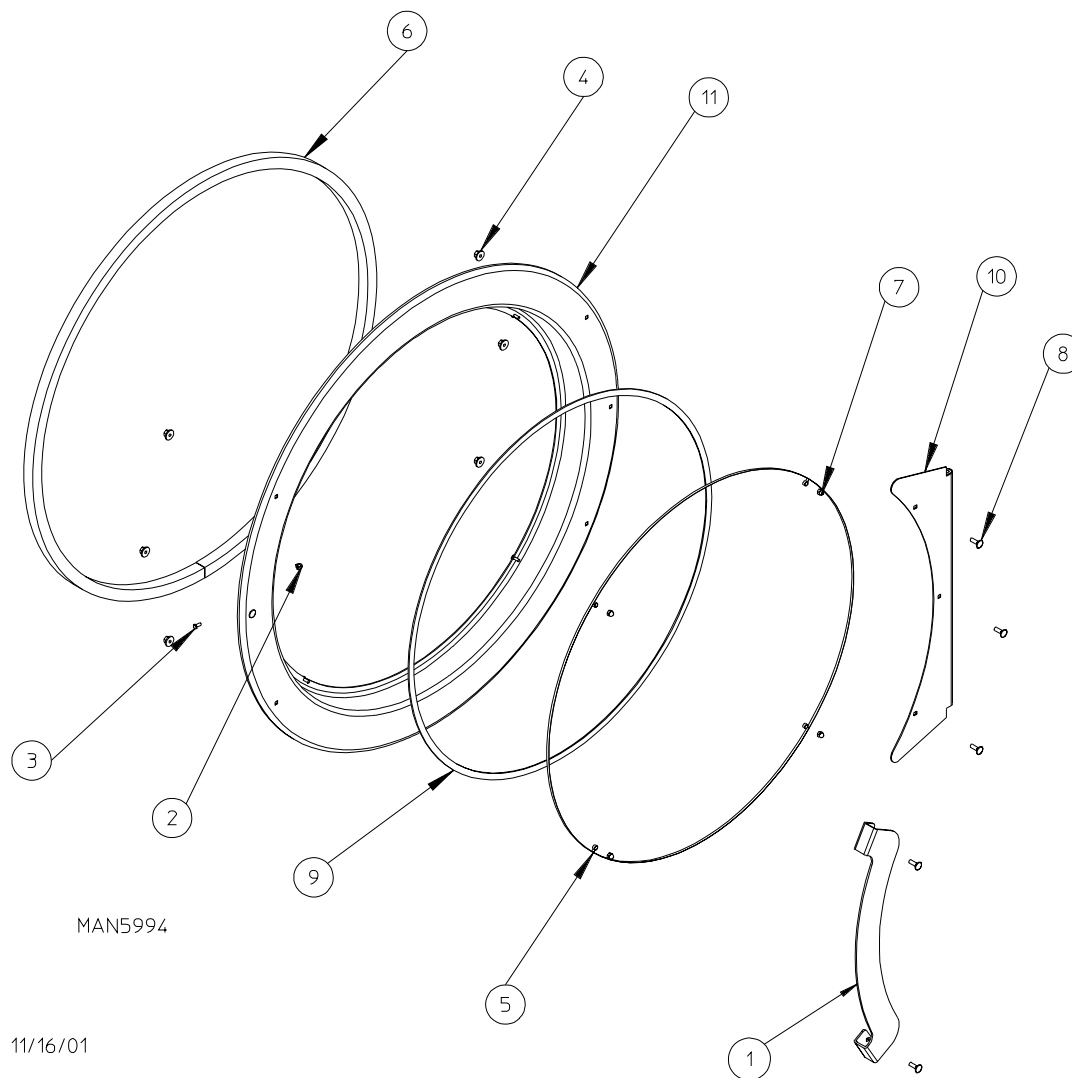
Dual Timer Control Box Assembly



JCARRITA 12/26/00

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	122641	1	15-Pin Connector
2	122706	15	Socket Terminal
	122801	1	Pin/Socket Terminal Extraction Tool...Not Illustrated
3	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
4	132198	1	Reversing Timer 24 Volt (for reversing dual timer models Only)

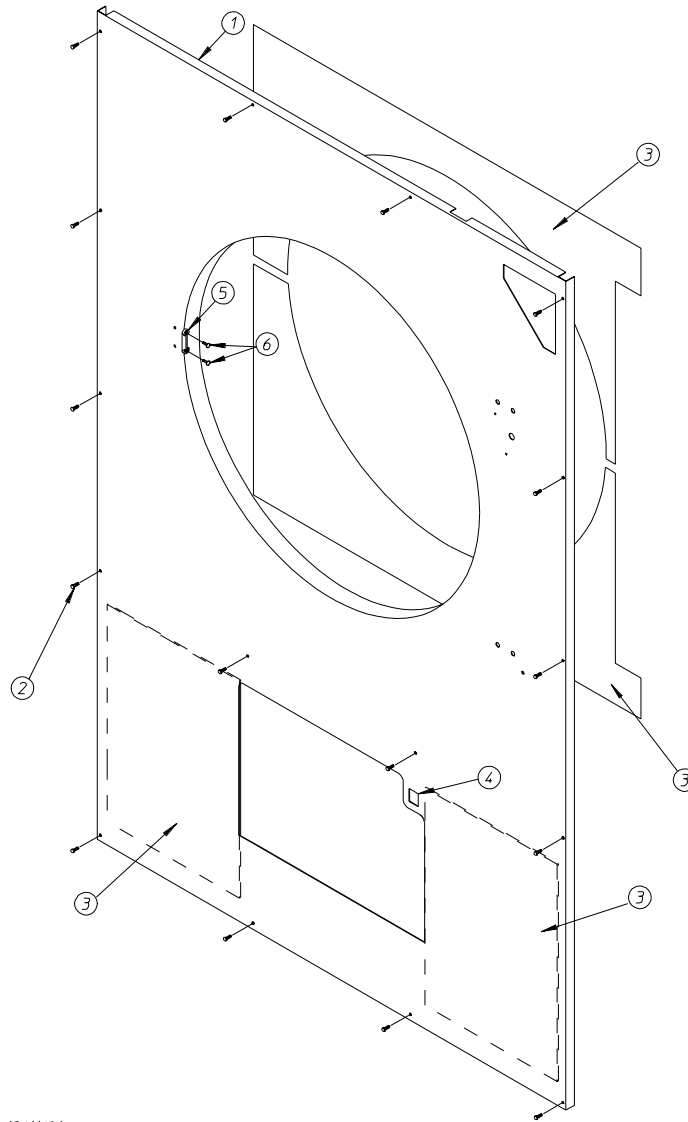
Main Door Assembly



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	881688*	1	Large Cold Rolled Steel White Main Door Handle
	881689*	1	White Main Door Assembly Complete (includes illus. nos. 1 through 11)
2	151009	1	#10-32 White Hex Acorn Lock Nut
3	150120	1	#10-32 Door Latch Screw
4	152014	6	1/4-20 White Free Spin Wash Nut
5	102214	1	30" Door Glass
6	882411	1	Large Steel Door Gasket
7	151012*	4	#10-32 White Acorn Nut
8	881740*	6	1/4-20 x 5/8" White Carriage Bolt
9	102362	1	White Gasket Tape
10	881685*	1	Large White Main Door Hinge
11	881684*	1	Large 37-1/4" White Door Ring Only

* Specify color if other than white.

For Models Mfd. as of January 1, 2002



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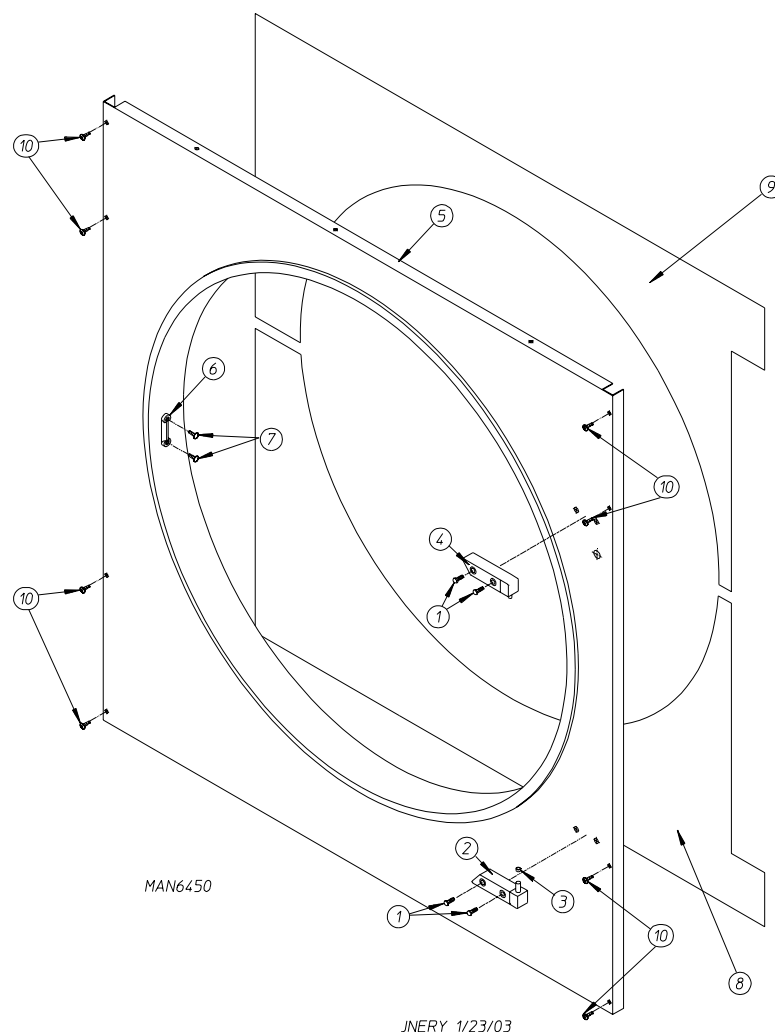
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	883246*	1	Right Hand Front Panel Assembly (for Non-Coin models) (includes illus. nos. 1, 3, 5, and 6)
2	150313	14	#10-16 x 1/2" TORX + BTN, Type 1
	150318	**	25 IP Stick-Fit TORX + Bit...Not Illustrated
3	116147	2	13" x 18-1/2" Rear Lower Wall Insulation
	116320	1	Top Front Panel Insulation
	116321	1	Bottom Front Panel Insulation
4	122002	1	Lint Drawer Switch
5	881987	1	Friction Door Latch Kit (includes illus. nos. 5 and 6)
6	154215	2	5/32" Pop Rivet

* Specify color when ordering.

** As needed.

Front Panel Assembly

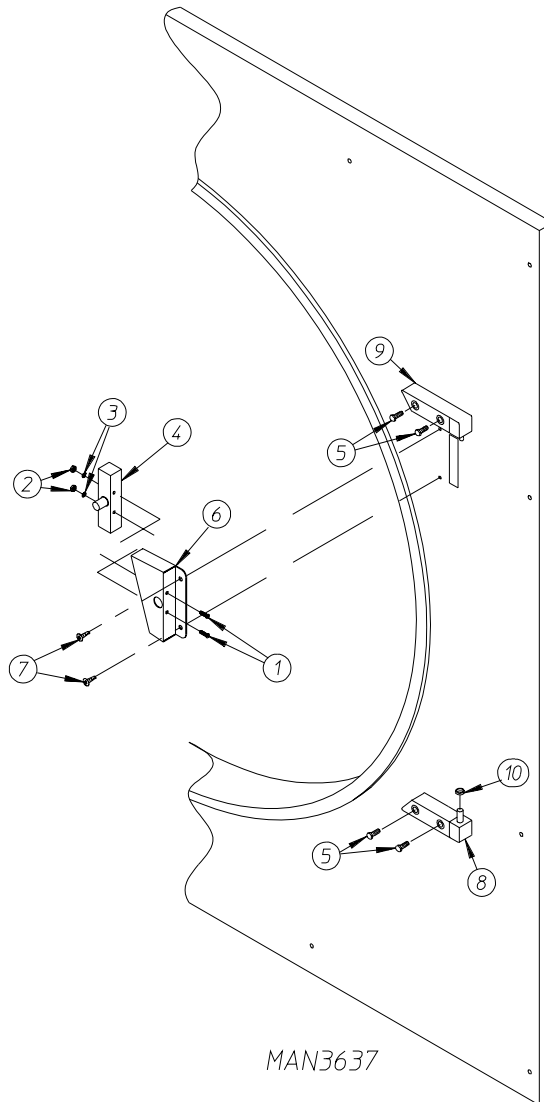
For Models Mfd. prior to January 1, 2002



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150445	4	1/4-20 x 3/4" Stainless Steel Cap Screw
2	881441*	1	White Bottom Hinge Block (includes illus. nos. 1 through 3)
3	153031	1	Nylon Washer
4	881440*	1	White Top Hinge Block with Cap Screws (includes illus. nos. 1 and 4)
5	882057*	1	White Front Panel Assembly (includes illus. nos. 5 through 7)
6	170330	1	Friction Door Catch
7	154215	2	5/32" Pop Rivet
8	116321	1	Bottom Front Panel Insulation
9	116320	1	Top Front Panel Insulation
10	150313	8	#10-16 x 1/2" TORX + BTN, Type 1
	150318	**	25 IP Stick-Fit TORX + Bit...Not Illustrated

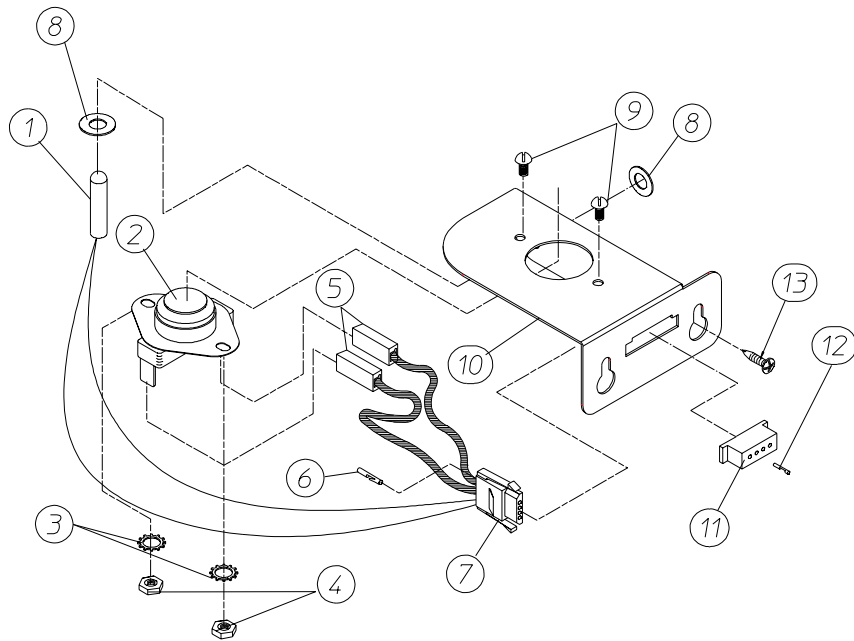
* Specify color if other than white.

** As required.



<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	Single-Pole Door Switch
5	150445	4	1/4-20 x 3/4" Cap Screw
6	882866*	1	Black Main Door Switch Housing Only
	881153*	1	Black Main Door Housing Assembly (includes illus. nos. 1 through 4 and 6)
7	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
8	881441*	1	White Bottom Hinge Block with Cap Screws (includes illus. nos. 5, 8, and 10)
9	881440*	1	White Top Hinge Block with Cap Screws (includes illus. nos. 5 and 9)
10	153031	1	Nylon Washer

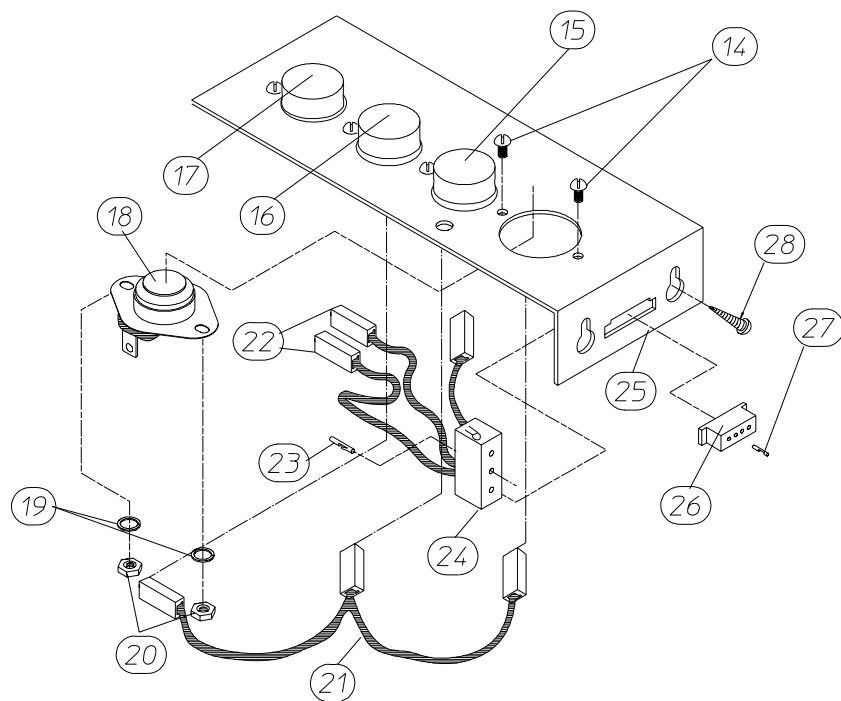
* Specify color if other than white.



MICROPROCESSOR SENSOR BRACKET ASSEMBLY

MAN6453

JNERY 1/23/03

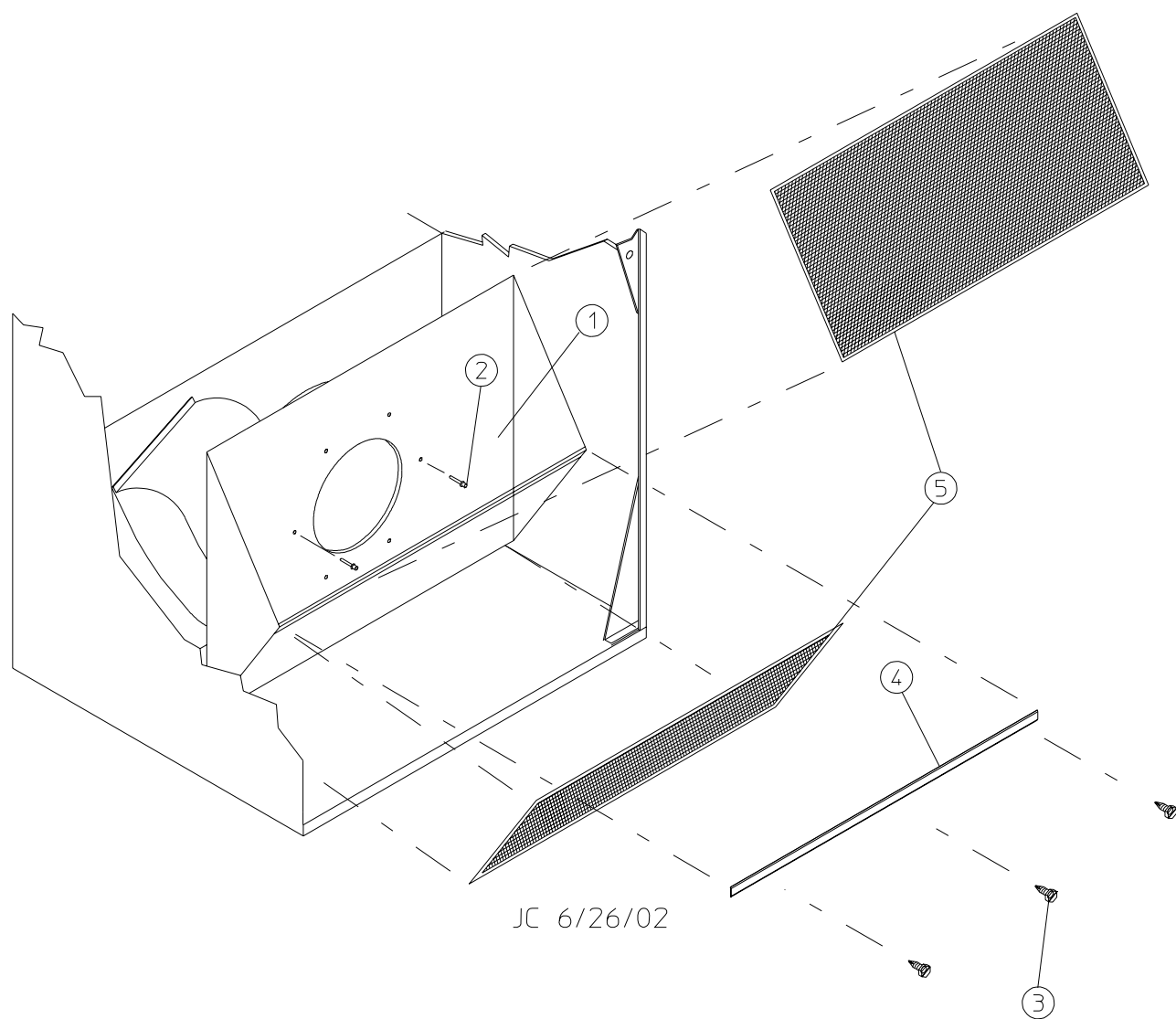


NON-COMPUTER SENSOR BRACKET ASSEMBLY

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	880251	1	1/4" Temperature Sensor Probe Assembly (includes illus. nos. 1 and 5 through 8)
2	130103	1	225° Automatic Reset Thermostat
3	153010	2	#6 Star Washer
4	152000	2	#6-32 Hex Nut
5	121028	2	Insulated Female Terminal
6	122701	4	Socket Terminal ONLY
	122801	1	Pin/Socket Extraction Tool...Not Illustrated
7	122605	1	4-Pin Connector (female)
8	154007	2	1/4" Tinnerman Push On Fastener
9	150005	2	#6-32 x 1/4" Phillips Round Head Machine Screw
10	824051	1	Microprocessor Sensor Bracket Assembly Complete (includes illus. nos. 1 through 10)
	322214	1	Microprocessor Sensor Bracket ONLY
11	122604	1	4-Pin Connector (male)
12	122700	4	Pin Terminal ONLY
13	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
14	150005	5	#6-32 x 1/4" Phillips Round Head Machine Screw
15	130111	1	130° Large Thermostat
16	130100	1	150° Large Thermostat
17	130103	1	225° Automatic Reset Thermostat
18	130101	1	180° Large Thermostat
19	153010	5	#6 Star Washer
20	152000	5	#6-32 Hex Nut
21	882535	1	Sensor Jumper ONLY
22	121028	4	Insulated Female Terminal
23	122701	4	Socket Terminal ONLY
24	122605	1	4-Pin Connector (female)
	882534	1	Sensor Bracket Harness Assembly (includes illus. nos. 22 through 24)
25	882536	1	Noncomputer Sensor Bracket Assembly Complete - Includes Thermostats (includes illus. nos. 14 through 25)
	322062	1	Universal Sensor Bracket ONLY
26	122604		4-Pin Connector (male)
27	122700	4	Pin Terminal ONLY
	122801	1	Pin/Socket Extraction Tool...Not Illustrated
28	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw

Lint Trap Assembly

For Models Mfd. as of January 1, 2002

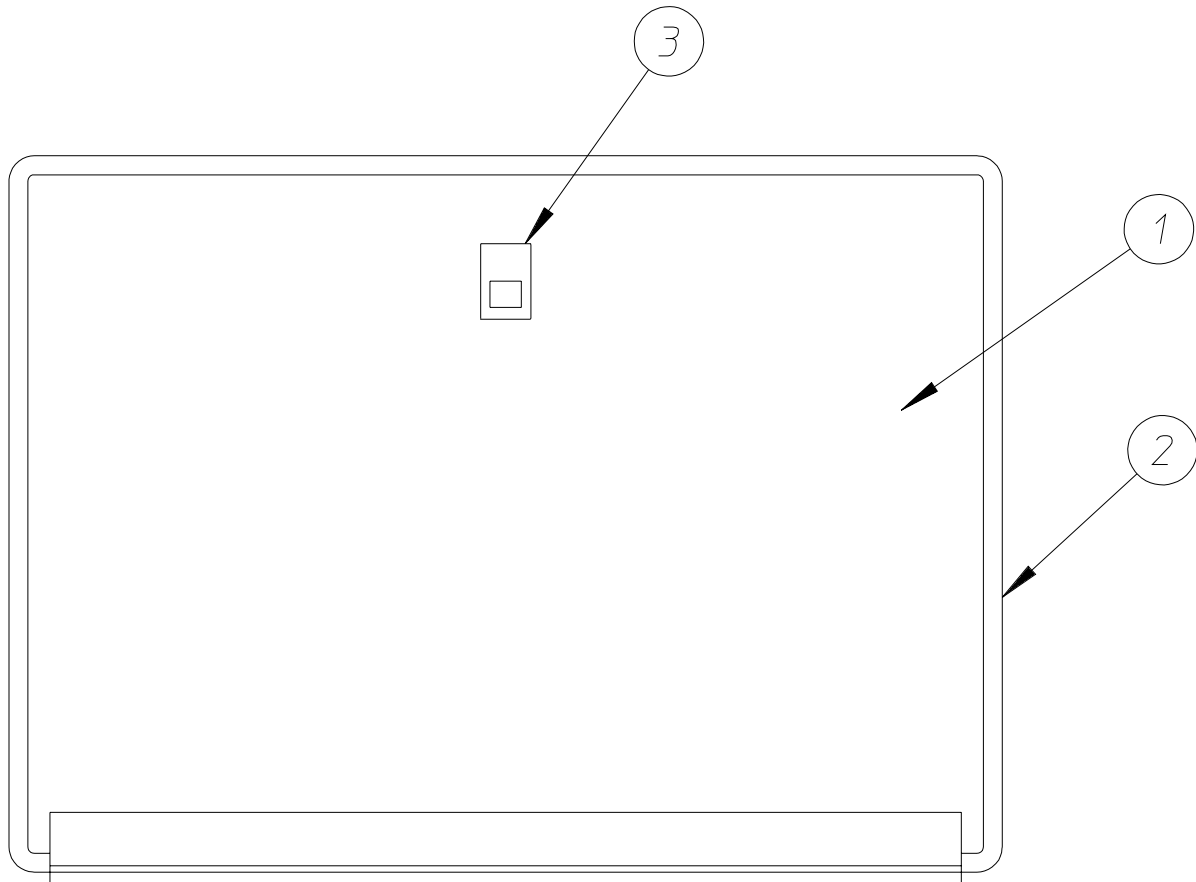


MAN6192

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	802833	1	Lint Trap Assembly Complete (includes illus. nos. 1 and 3 through 5)
	802834	1	Lint Trap Only
2	154200	6	5/32" Pop Rivet
3	150300	3	#10-16 x 1/2" Hex Washer TEK Screw
4	304100	1	Lint Screen Holder Only
5	800500	2	Lint Screen Assembly

Drop Lint Door Assembly

For Models Mfd. as of January 1, 2002



ST 12/11/01

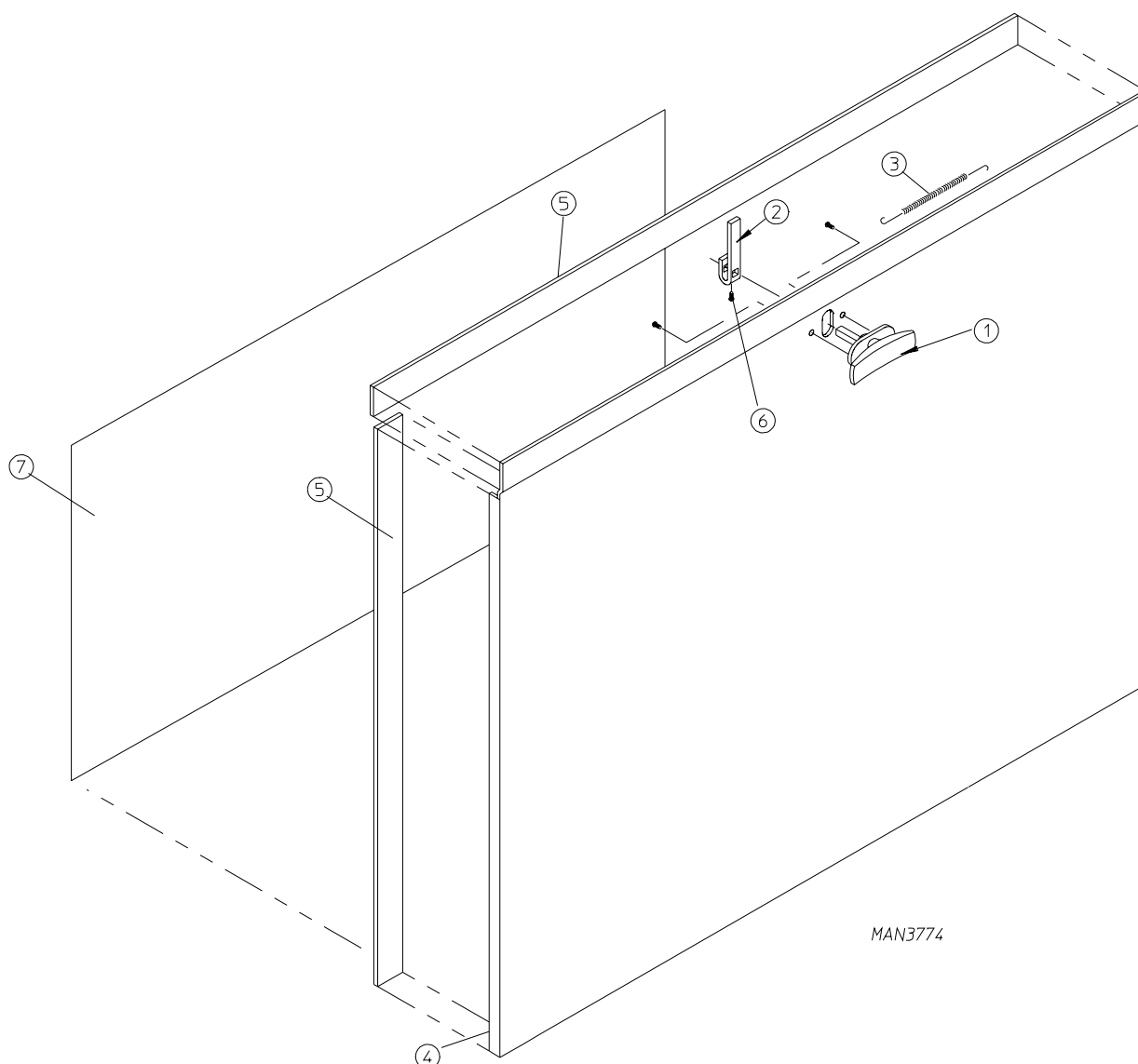
MAN6030

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	883680*	1	White Drop Lint Door Assembly (includes illus. nos. 1 through 3)
2	117604	5	Noise Suppression Tape (sold by the foot)
3	170226	1	Slide Latch

* Specify color if other than white.

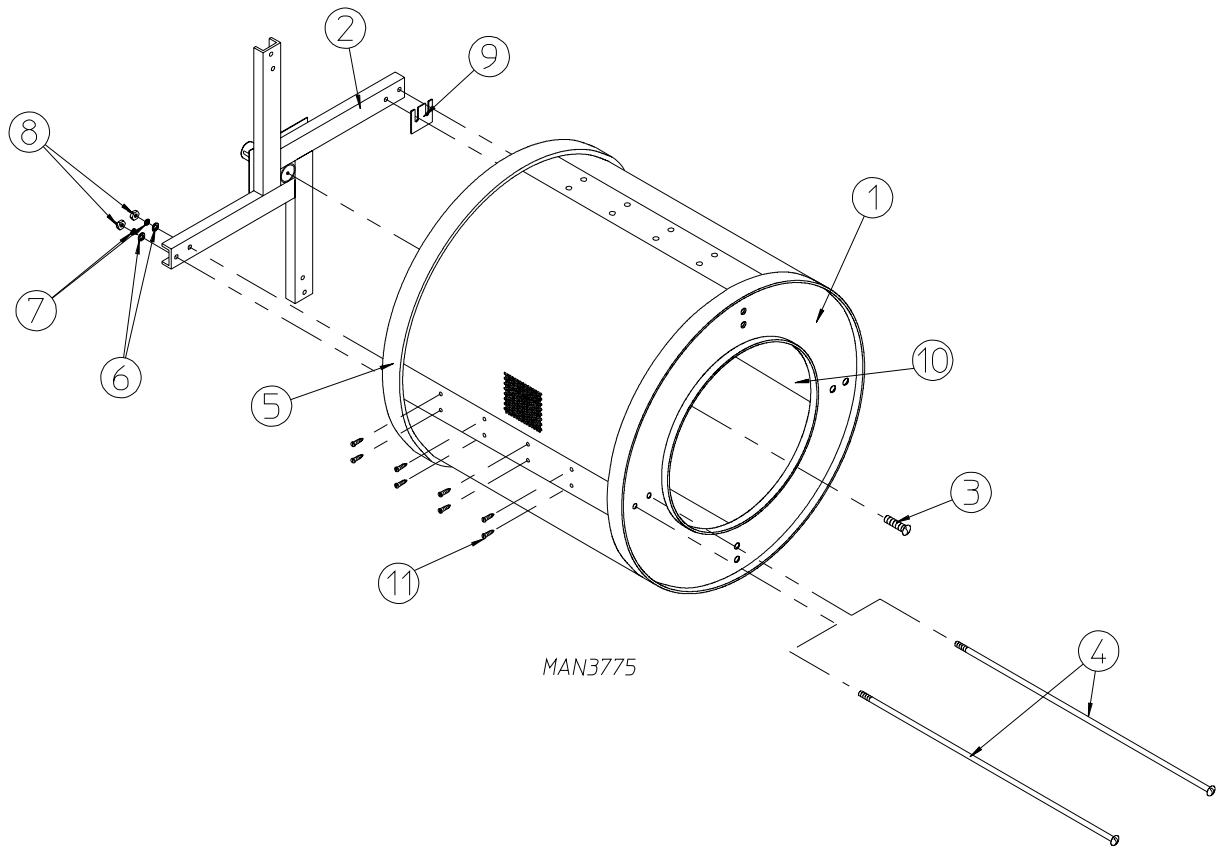
Drop Lint Door Assembly

For Models Mfd. prior to January 1, 2002



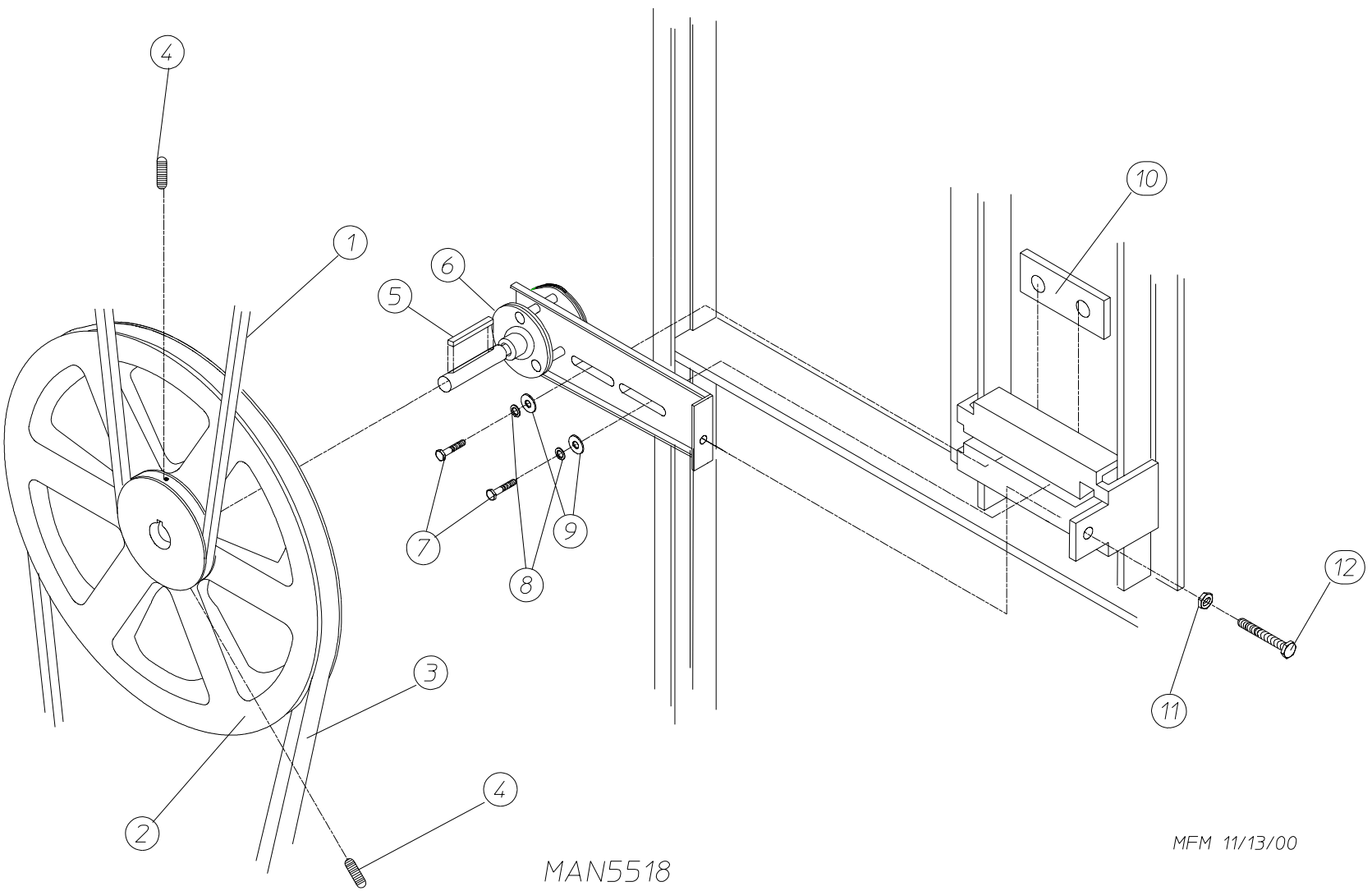
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	800150	1	Knob Latch Kit Assembly (includes illus. nos. 1 and 2)
2	160009	1	Knob Latch Adjustable Cam Only
3	157000	1	Drop Lint Door Spring
4	881906*	1	White Insulated Drop Lint Door Assembly (includes illus. nos. 4, 5, and 7)
5	117604	7	Noise Suppression Tape (sold by the foot)
6	150425	1	#12-24 x 3/8" Round Head Machine Screw Only (screw for knob latch adjustable cam)
7	116322	1	Lint Door Insulation

* Specify color if other than white.



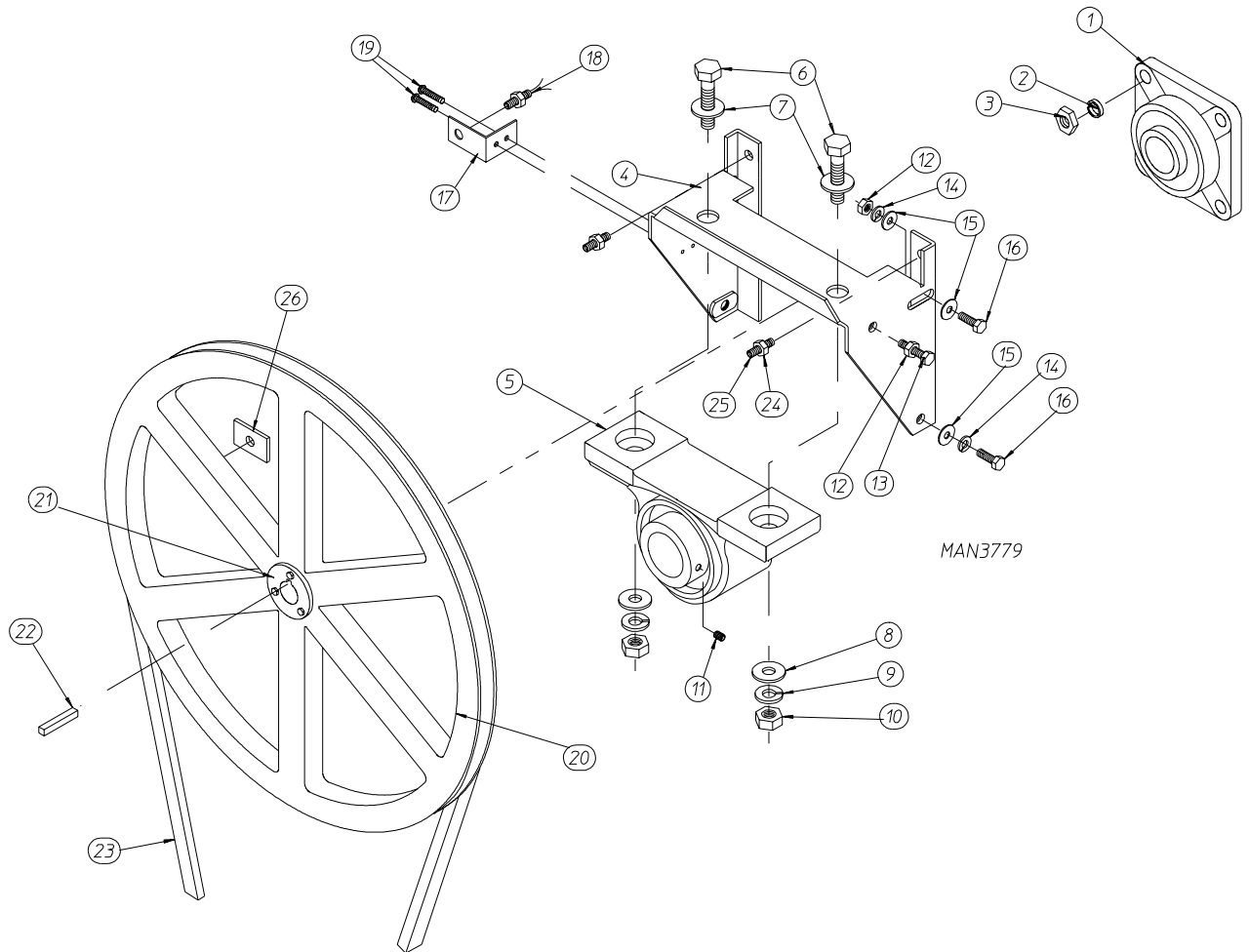
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	883523	1	Tumbler Only with Felt Collar
	801773	1	Tumbler and Support Assembly Complete (includes illus. nos. 1 through 11)
2	801774	1	Tumbler Support Only
3	150500	1	5/16-18 x 3/4" Socket Button Head Screw (for models mfd. prior to April 25, 2002)
4	100912	8	1/2-13 x 25-3/8" Tie Rod
5	116006	1	Felt Collar
	170730	1	Felt Collar Adhesive (10.3 oz. cartridge)...Not Illustrated
6	153028	8	1/2" Flat Washer
7	153026	8	1/2" Lock Washer
8	152011	8	1/2-13 Hex Nut
9	301701	*	Tumbler Shim
10	314701	4	Tumbler Rib
11	150313	32	#10-16 x 1/2" TORX Crimptite Screw

* As required.



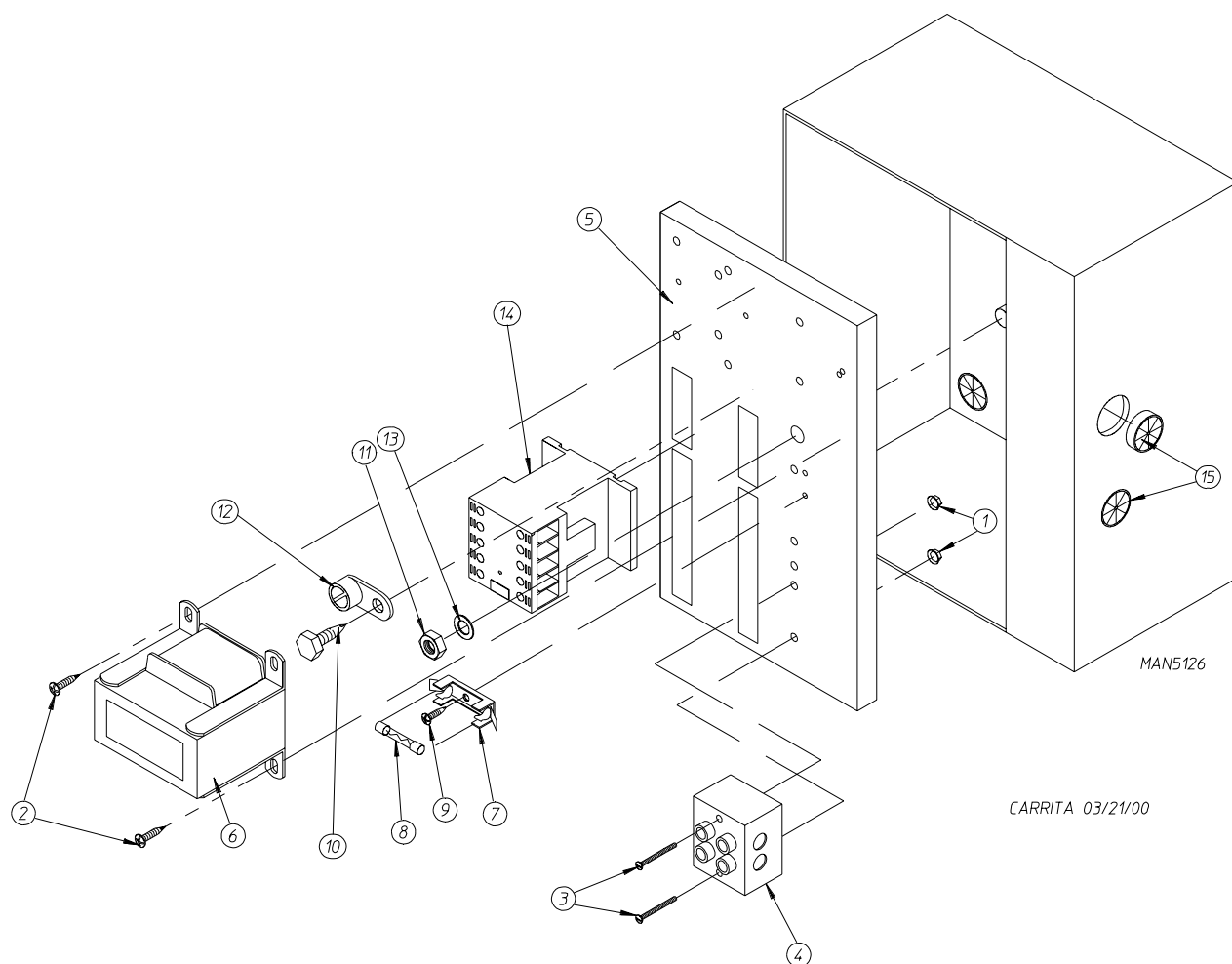
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	100185	1	5L-780 V-Belt
2	101140	1	14" x 3" Compound Pulley
3	100178	1	4L-570 V-Belt (idler to motor) (for Non-Reversing models Only)
	100112	1	4L-610 V-Belt (idler to motor) (for Reversing models Only)
4	154301	2	5/16-18 x 1" Allen Setscrew
5	100705	1	3/16" x 3/16" x 1-3/8" Key
6	882576	1	Idler Bearing Assembly Complete (for Non-Reversing models) (includes illus. nos. 6, 11 and 12)
	883473	1	Idler Bearing Assembly Complete (for Reversing models)
7	150617	2	3/8-16 x 1" Hex Head Machine Bolt
8	153005	2	3/8" Lock Washer
9	153004	2	3/8" Flat Washer
10	801009	1	Idler Square Washer
11	152005	1	3/8-16 Hex Nut
12	150623	1	3/8-16 x 5" Hex Head Machine Bolt

Tumbler Bearing Assembly



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	100244	1	1-15/16" Flange Bearing
2	153025	4	Lock Washer
3	152050	4	Hex Nut
4	801775	1	Pillow Block Bearing Assembly Complete (includes illus. nos. 4 through 13)
	801761	1	Pillow Block Bearing Housing Only
5	884138	1	1-15/16" Griplock Pillow Block Bearing
6	150633	2	1/2-13 x 2-1/4" Hex Head Bolt
7	153011	2	9/16" Flat Washer
8	153011	2	9/16" Flat Washer
9	153026	2	1/2" Lock Washer
10	152011	2	1/2-13 Hex Nut
11	154322	2	3/8-24 x 7/16" Setscrew
12	152004	2	5/16-18 Hex Nut
13	150621	2	5/16-18 x 1-1/2" Allen Setscrew
14	153002	4	5/16" Lock Washer
15	153001	6	5/16" Flat Washer
16	150621	4	5/16-18 x 3/4" Hex Bolt
17	314746	1	Rotational Sensor Bracket
18	883386	1	Rotational Sensor Assembly
19	150313	2	#10-16 x 1/2" TORX + BTN, Type 1
20	882111	1	18" Pulley with Rotational Sensor Magnet
21	101220	1	1-15/16" Taper Lock Bushing
22	100719	1	1/2" x 1/2" x 1-3/8" Key
23	100185	1	5L-780 V-Belt
24	152004	2	5/16-18 Hex Nut
25	150610	2	5/16-18 x 1-1/2" Allen Setscrew
26	102102	1	Rotational Sensor Magnet
	401010	1	Adhesive for Magnet...Not Illustrated

Single-Phase (1Ø) MP Rear Electric Relay Panel Assembly

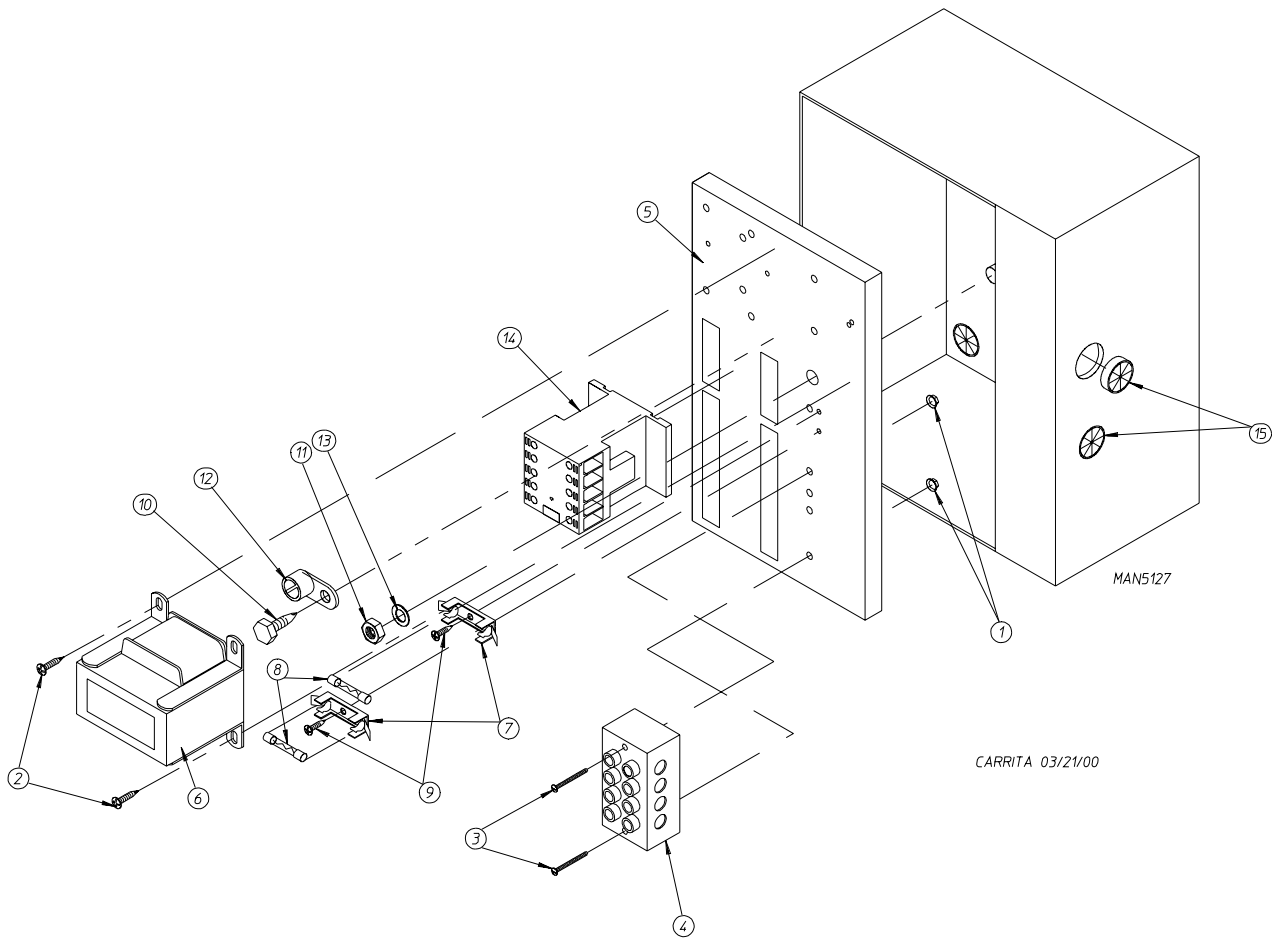


Single-Phase (1Ø) MP Rear Electric Relay Panel Assembly

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	151000	2	#6-32 Pal Nut
2	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
3	150008	2	#6-32 x 1-1/4" Phillips Pan Head Machine Screw
4	120716	1	2-Position Terminal Block
5	322812	1	Rear Electric Mounting Plate Only
	822796	1	Rear Electric Panel Assembly Complete - 115 Volt 1Ø (includes illus. nos. 1 through 14)
	822798	1	Rear Electric Panel Assembly Complete - 208-240 Volt 1Ø (includes illus. nos. 1 through 14)
6	830151	1	Transformer Assembly - 115 Volt
	822799	1	Transformer Assembly - 208-240 Volt
7	136008	*	Fuse Holder
8	136057	*	1/2-Amp (Slo-Blo) Fuse
9	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
10	150297	1	#10 x 1/2" Green Hex Washer TEK Screw
11	152004	1	5/16-18 Hex Nut
12	121010	1	L-70 Ground Lug
13	153002	1	5/16" Lock Washer
14	132495	1	3-Pole Contactor
15	121300	3	Open/Closed Bushing

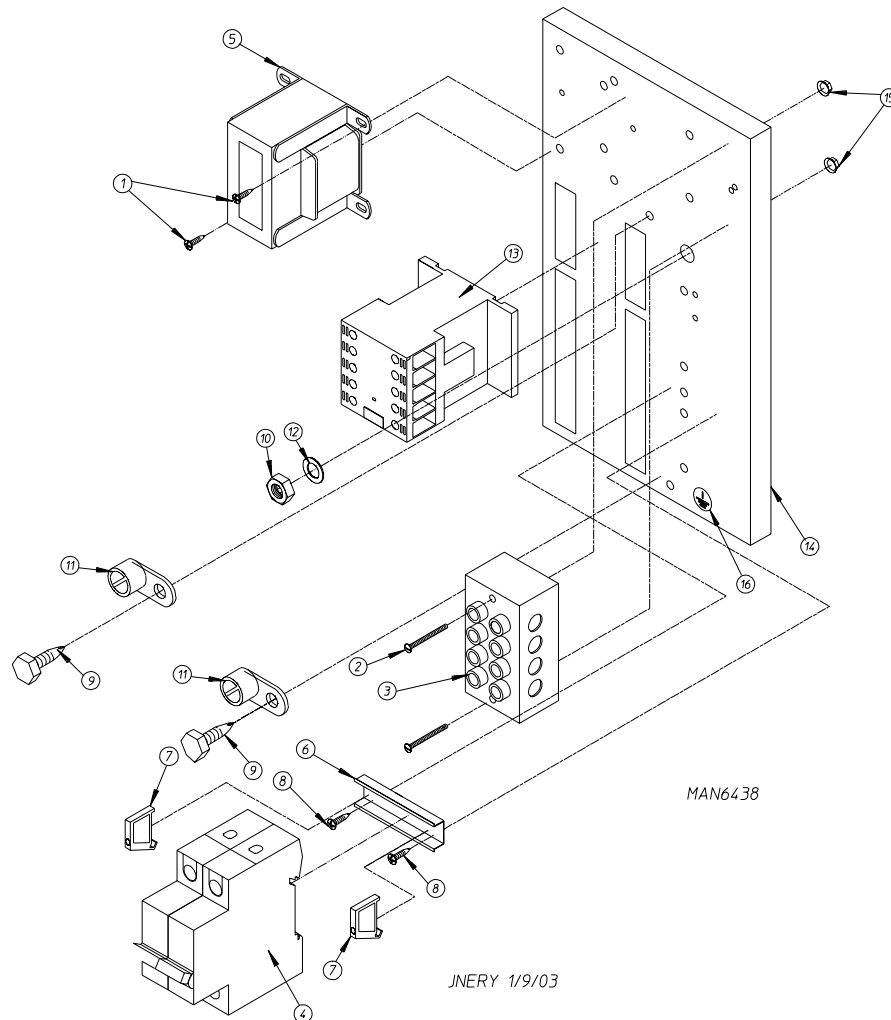
* Quantity is 1 for 115v and 2 for 208-240v.

208-240V 3-Phase (3ø) MP Rear Electric Relay Panel Assembly



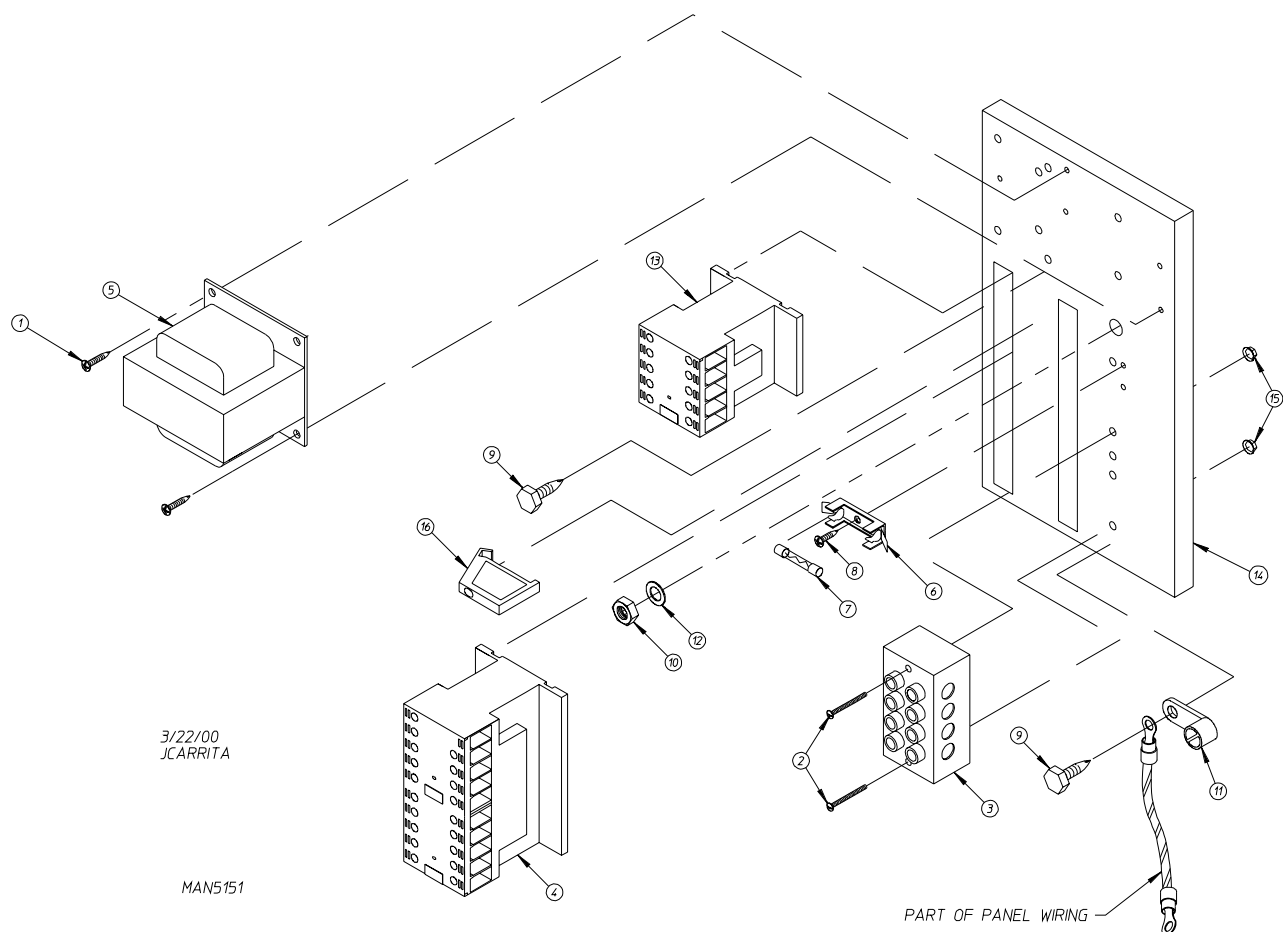
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	151000	2	#6-32 Pal Nut
2	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
3	150008	2	#6-32 x 1-1/4" Phillips Pan Head Machine Screw
4	120701	1	4-Position Terminal Block
5	322812	1	Rear Electric Mounting Plate Only
	830154	1	Rear Electric Panel Assembly Complete - 208-240 Volt (includes illus. nos. 1 through 14)
6	822799	1	Transformer Assembly
7	136008	2	Fuse Holder
8	136057	2	1/2-Amp (Slo-Blo) Fuse
9	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
10	150297	1	#10 x 1/2" Green Hex Washer TEK Screw
11	152004	1	5/16-18 Hex Nut
12	121010	1	L-70 Ground Lug
13	153002	1	5/16" Lock Washer
14	132495	1	3-Pole Contactor
15	121300	3	Open/Closed Bushing

460-480V MP Rear Electric Relay Panel Assembly



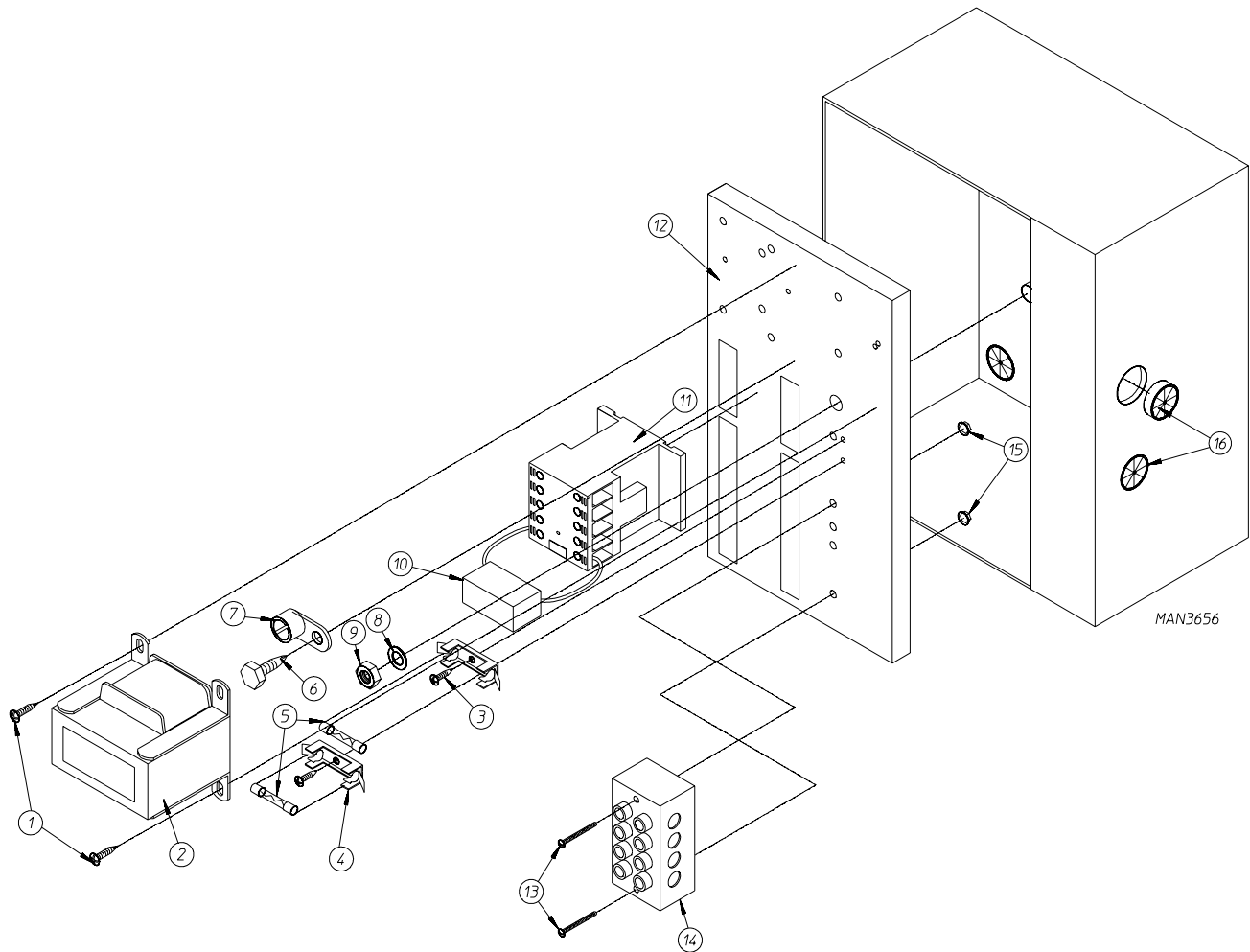
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
2	150008	2	#6-32 x 1-1/4" Phillips Pan Head Machine Screw
3	120701	1	4-Position Terminal Block
4	135501	1	2-Pole 1-Amp Circuit Breaker
5	824221	1	Transformer Assembly - 460-480 Volt
6	120768	2	35 x 15mm Din Rail
7	120765	2	End Stop
8	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
9	150297	2	#10 x 1/2" Green Hex Washer TEK Screw
10	152004	1	5/16-18 Hex Nut
11	121010	2	L-70 Ground Lug
12	153002	1	5/16" Lock Washer
13	132495	1	3-Pole Contactor
14	322812	1	Rear Electric Mounting Plate Only
	830263	1	Rear Electric Panel Assembly Complete - 460-480 Volt (includes illus. nos. 1 through 14)
15	151000	2	#6-32 Pal Nut
16	112075	1	Ground Label

208-240V MP Reversing Rear Electric Relay Panel Assembly



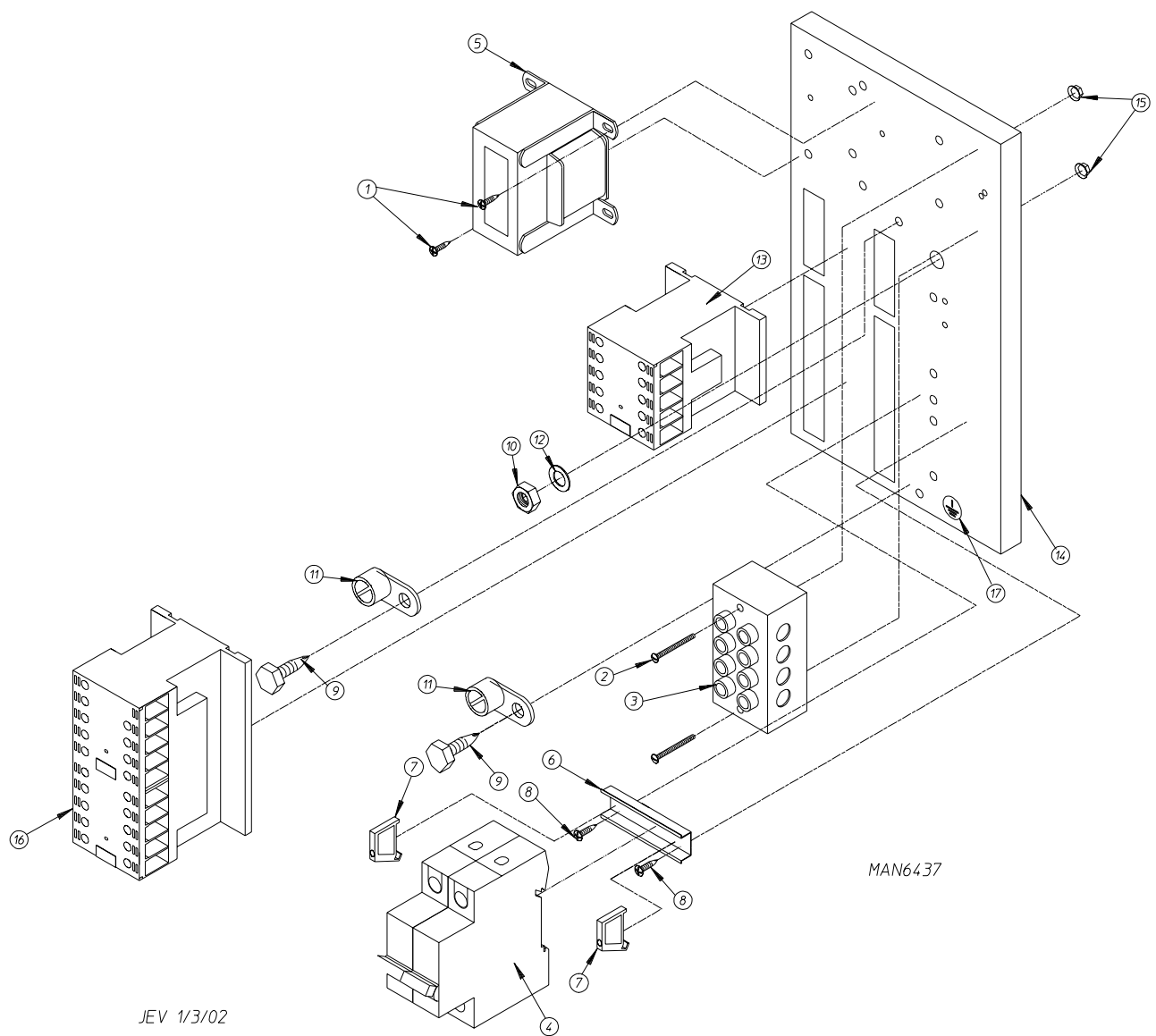
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
2	150008	2	#6-32 x 1-1/4" Phillips Pan Head Machine Screw
3	120701	1	4-Position Terminal Block
4	132497	1	3-Pole Reversing Contactor
5	822799	1	Transformer Assembly - 208-240 Volt
6	136008	2	Fuse Holder
7	136057	2	1/2-Amp (Slo-Blo) Fuse
8	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
9	150297	1	#10 x 1/2" Green Hex Washer TEK Screw
10	152004	1	5/16-18 Hex Nut
11	121010	1	L-70 Ground Lug
12	153002	1	5/16" Lock Washer
13	132495	1	3-Pole Contactor
14	322812	1	Rear Electric Mounting Plate Only
	822771	1	Rear Electric Panel Assembly Complete - 208-240 Volt 3ø (includes illus. nos. 1 through 16)
15	151000	2	#6-32 Pal Nut
16	120765	1	Standard End Bracket

3-Phase (3Ø) Motor, Non-Reversing Electric Relay Panel Assembly



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
2	132083	1	Step Down Transformer (for 208/240 volts Only)
	881763		Termination Kit
3	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
4	136008	2	Fuse Holder Only
5	136057	2	1/2-Amp (Slo-Blo) Fuse
6	150297	1	#10 x 1/2" Green Hex Washer TEK Screw
7	121010	1	L-70 Ground Lug
8	153002	1	5/16" Lock Washer
9	152004	1	5/16-18 Hex Nut
10	137015	1	RC Network
11	132447	1	3-Pole Contactor - 24 VAC
12	322812	1	Electric Relay Panel Mounting Plate Only
13	150008	2	#6-32 x 1-1/4" Phillips Round Head Machine Screw
14	120701	1	4-Position Terminal Block
15	151000	2	#6-32 Pal Nut
16	121300	3	Open/Closed Bushing

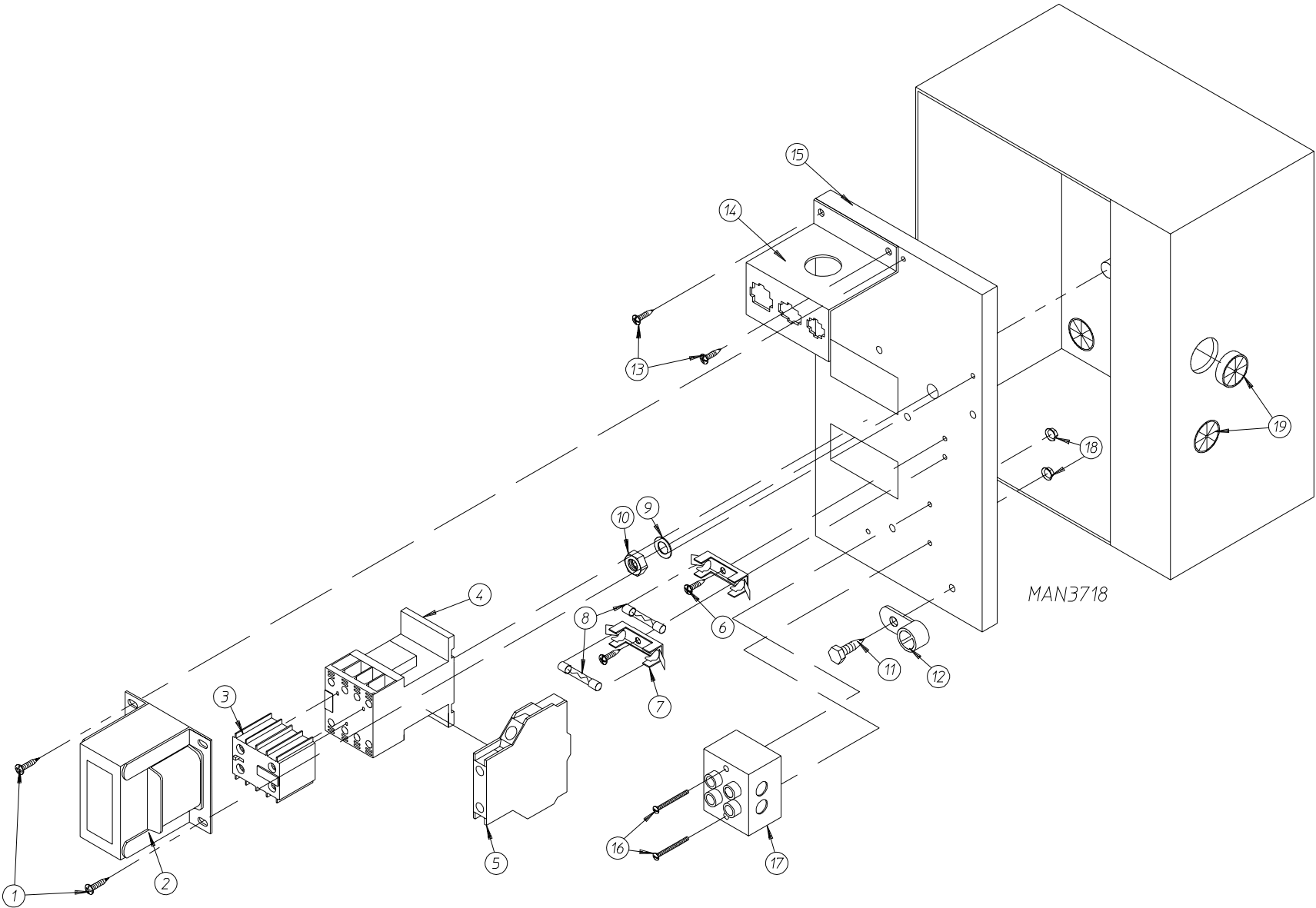
460-480V MP Reversing Rear Electric Relay Panel Assembly



460-480V MP Reversing Rear Electric Relay Panel Assembly

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
2	150008	2	#6-32 x 1-1/4" Phillips Pan Head Machine Screw
3	120701	1	4-Position Terminal Block
4	135501	1	2-Pole 1-Amp Circuit Breaker
5	824221	1	Transformer Assembly - 460-480 Volt
6	120768	2	35 x 15mm Din Rail
7	120765	2	Standard End Bracket
8	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
9	150297	2	#10 x 1/2" Green Hex Washer TEK Screw
10	152004	1	5/16-18 Hex Nut
11	121010	2	L-70 Ground Lug
12	153002	1	5/16" Lock Washer
13	132495	1	3-Pole Contactor
14	322812	1	Rear Electric Mounting Plate Only
	830147	1	Rear Electric Panel Assembly Complete - 460-480 Volt (includes illus. nos. 1 through 16)
15	151000	2	#6-32 Pal Nut
16	132497	1	3-Pole Reversing Contactor
17	112075	1	Ground Label

Single-Phase (1ø) Dual Timer Rear Electric Relay Panel Assembly



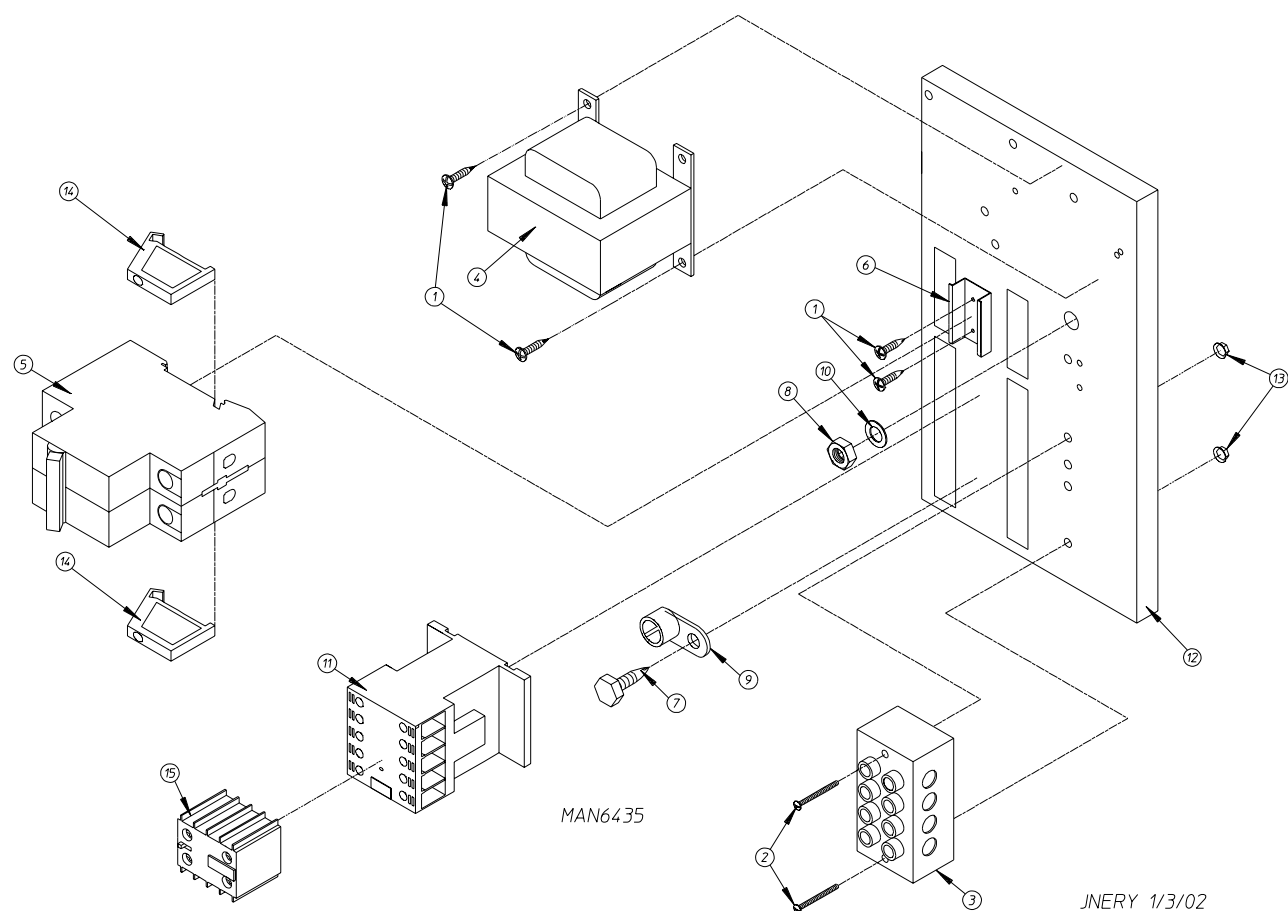
Single-Phase (1Ø) Dual Timer Rear Electric Relay Panel Assembly

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
2	830247	1	24 VAC Transformer (for 115 volt gas models Only)
	-----	1**	24 VAC Transformer (for 208-240 volt models Only)
3	132449	1	2-Pole Contact Block (for 208-240 volt models Only)
4	132445	1	3-Pole Contactor (for 120 volt models Only)
	132447	1	3-Pole Contactor (for 208-240 volt models Only)
5	132383	1	2-Pole Contact Block (for 120 volt models Only)
6	150301	*	#8-18 x 7/16" Phillips Pan Head TEK Screw
7	136008	*	Fuse Holder
8	136057	*	1/2-Amp (Slo-Blo) Fuse
9	153002	1	5/16" Lock Washer
10	152004	1	5/16-18 Hex Nut
11	150297	1	#10 x 1/2" Green Hex Washer TEK Screw
12	121010	1	L-70 Ground Lug
13	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
14	353258	1	Rear Panel Connector Bracket
15	306304	1	Rear Electric Mounting Panel Only
	830245	1	Rear Electric Panel Assembly Complete - 115 Volt (for gas models Only) (includes illus. nos. 1, 2, and 4 through 18)
	-----	1**	Rear Electric Panel Assembly Complete - 208-240 Volt (for gas models Only) (includes illus. nos. 1 through 4 and 6 through 18)
16	150009	2	#6-32 x 1-1/2" Phillips Round Head Machine Screw
17	120716	1	2-Position Terminal Block
18	151000	2	#6-32 Pal Nut
19	121300	3	Open/Closed Bushing

* Quantity is 1 for 115v and 2 for 208-240v.

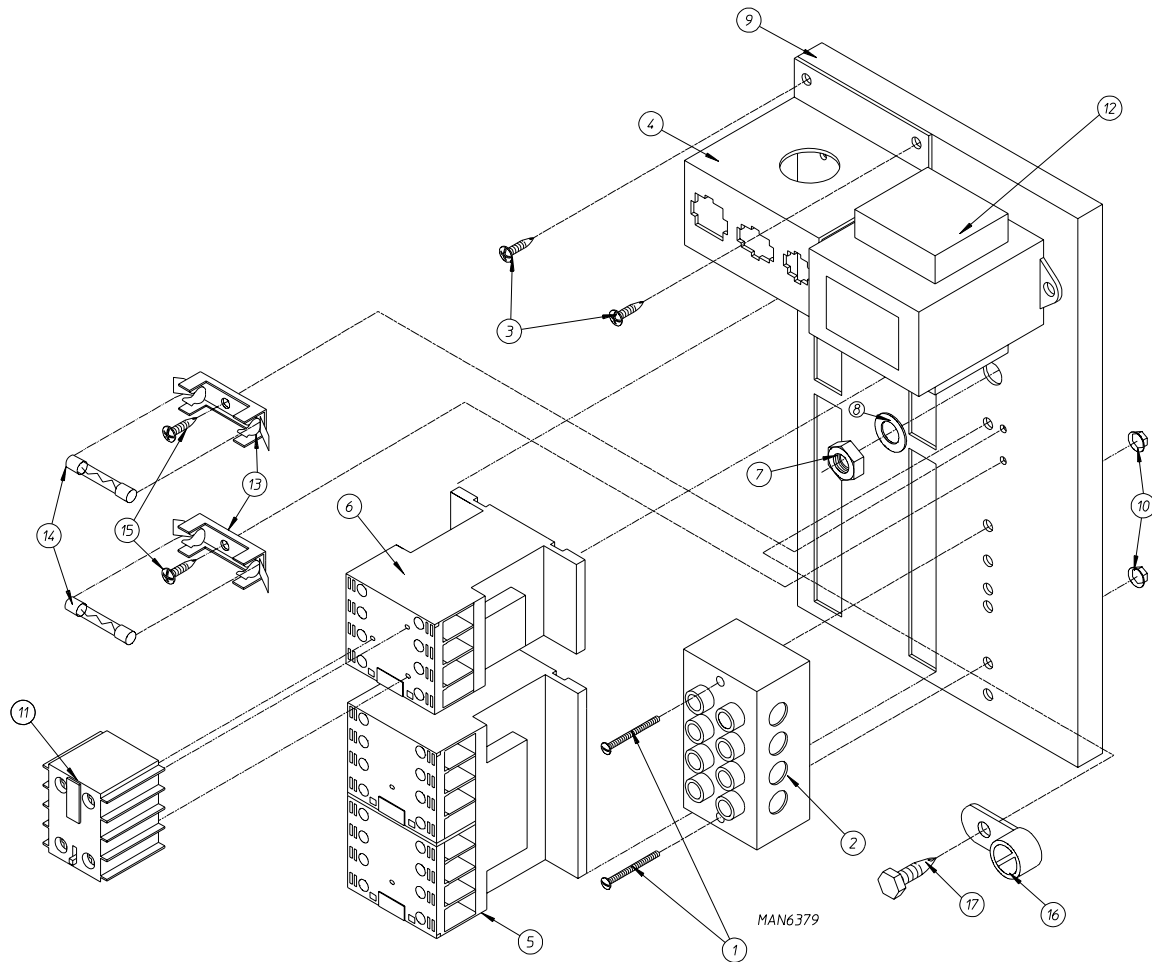
** Not available at time of printing. Contact factory for additional information.

460-480V Dual Timer Rear Electric Relay Panel Assembly



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
2	150009	2	#6-32 x 1-1/2" Phillips Round Head Machine Screw
3	120701	1	4-Position Terminal Block
4	835143	1	24 VAC Transformer (for gas models Only)
5	135501	1	2-Pole 1-Amp Circuit Breaker
6	120768	2	35 x 15mm Din Rail
7	150297	1	#10 x 1/2" Green Hex Washer TEK Screw
8	152004	1	5/16-18 Hex Nut
9	121010	1	L-70 Ground Lug
10	153002	1	5/16" Lock Washer
11	132447	1	3-Pole Contactor
12	322812	1	Rear Electric Mounting Panel Only
	824231	1	Rear Electric Panel Assembly Complete (for gas models Only) (includes illus. nos. 1 through 15)
13	151000	2	#6-32 Pal Nut
14	120765	2	Standard End Bracket
15	132449	1	2-Pole Contact Block

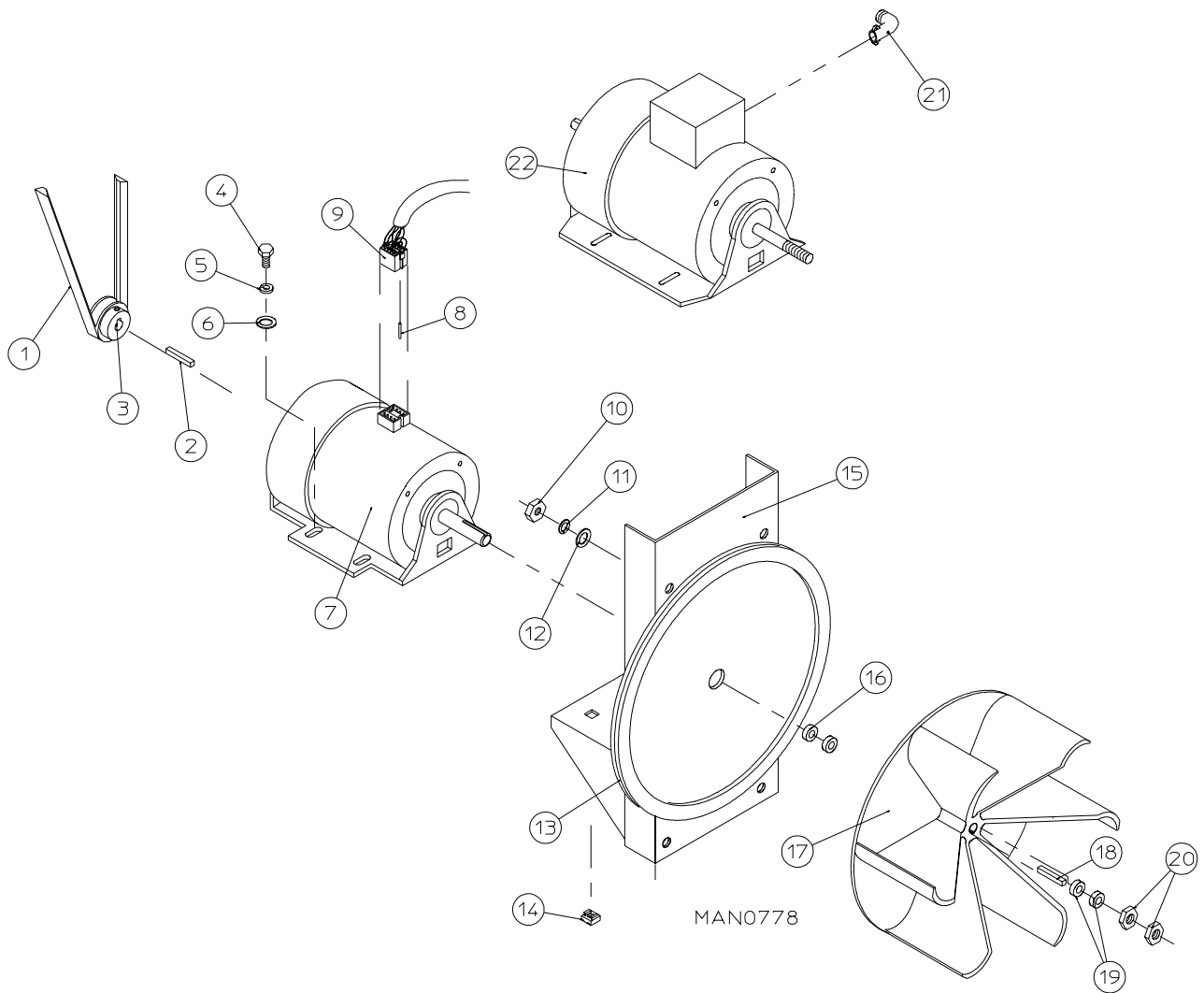
208-240V Dual Timer Reversing Rear Electric Relay Panel Assembly



JCARRITA 11/15/02

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	150009	2	#6-32 x 1-1/2" Phillips Round Head Machine Screw
2	120701	1	4-Position Terminal Block
3	150300	2	#10-16 x 1/2" Hex Washer TEK Screw
4	353258	1	Rear Panel Connector Bracket
5	132448	1	Reversing Contactor
6	132447	1	Blower Motor Contactor
7	152004	1	5/16-18 Hex Nut
8	153002	1	5/16" Lock Washer
9	322812	1	Rear Electric Mounting Panel Only
	830236	1	Rear Electric Panel Assembly Complete (for gas models Only) (includes illus. nos. 1 through 17)
10	151000	2	#6-32 Pal Nut
11	132449	1	2-Pole Contact Block
12	830238	1	24 VAC Transformer (for gas models Only)
13	136008	2	Fuse Holder
14	136057	2	1/2-Amp (Slo-Blo) Fuse
15	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
16	121010	1	L-70 Ground Lug
17	150297	1	#10 x 1/2" Green Hex Washer TEK Screw

Non-Reversing Totally Enclosed, Fan-Cooled Motor Mount Assembly

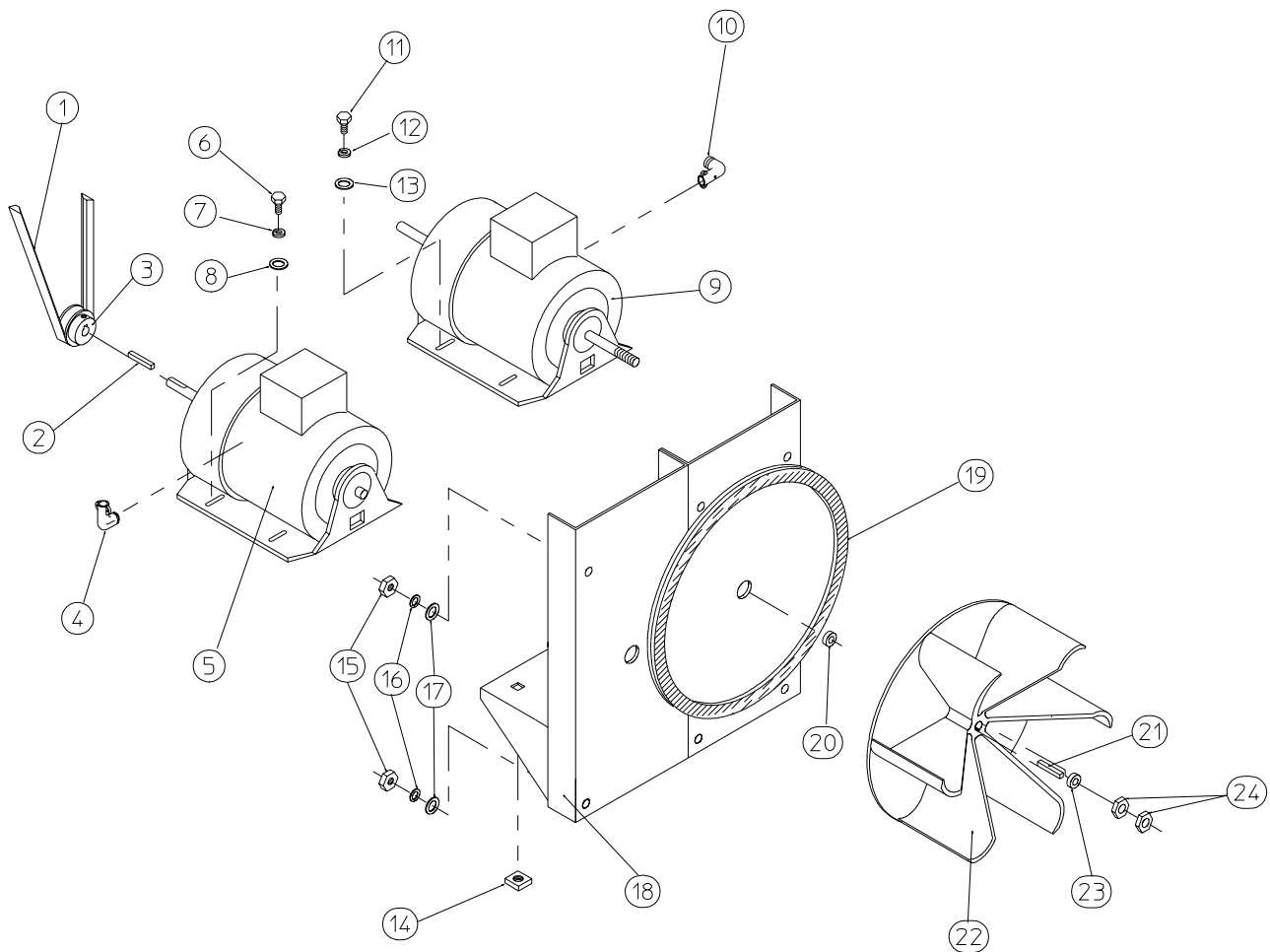


Non-Reversing Totally Enclosed, Fan-Cooled Motor Mount Assembly

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	100178	1	4L-570 V-Belt (motor to idler)
2	100701	1	3/16" x 3/16" x 1" Key
3	101133	1	5/8" x 2-1/4" Motor Pulley (60 Hz Only)
	101130	1	5/8" x 2-1/4" Motor Pulley (50 Hz Only)
4	150501	4	5/16-18 x 3/4" Hex Head Machine Bolt
5	153002	4	5/16" Lock Washer
6	153001	4	5/16" Flat Washer
7	100073*	1	1 hp 120/208/230v 1ø 60 Hz Totally Enclosed, Fan-Cooled Motor with Plug (56Z frame)
	181050*	1	1 hp 200/240v 1ø 50 Hz Motor
8	122701	8	Socket Terminal
	122801	1	Pin/Socket Extraction Tool...Not Illustrated
9	137030	1	8-Pin Housing Connector
	814764	1	120 Volt - 1ø Motor Harness...Not Illustrated
10	152004	4	5/16-18 Hex Nut
11	153002	4	5/16" Lock Washer
12	153001	4	5/16" Flat Washer
13	117604	4	Noise Suppression Tape (sold by the foot)
14	154000	4	5/16-18 Tinnerman Nut
15	803561	1	Non-Reversing Motor Mount Only (56Z frame)
	803945*	1	1 hp 120/230v 1ø 60 Hz Totally Enclosed, Fan-Cooled Motor Mount Assembly with Plug Complete (includes illus. nos. 2 through 7 and 13 through 20)
	803955*	1	1 hp 230/380/460v 3ø 60 Hz Non-Reversing Totally Enclosed, Fan-Cooled Motor Mount Assembly Complete (includes illus. nos. 2 through 6 and 13 through 22)
16	153051	1	3/4" S.A.E. Flat Washer
17	882670	1	16" Impellor with 3/4" Bore
18	100714	1	3/16" x 3/16" x 1-7/8" Key
19	153050	2	1/2" S.A.E. Flat Washer
20	152006	2	1/2-20 Left Hand Jam Nut
21	120200	1	3/8" x 90° Connector
	814772	1	3ø Motor Harness...Not Illustrated
22*	100075	1	1 hp 208/230/240/460v 3ø 50/60 Hz Totally Enclosed, Fan-Cooled Motor

* Specify voltage when ordering.

Reversing Totally Enclosed, Fan-Cooled Motor Mount Assembly



MAN0250

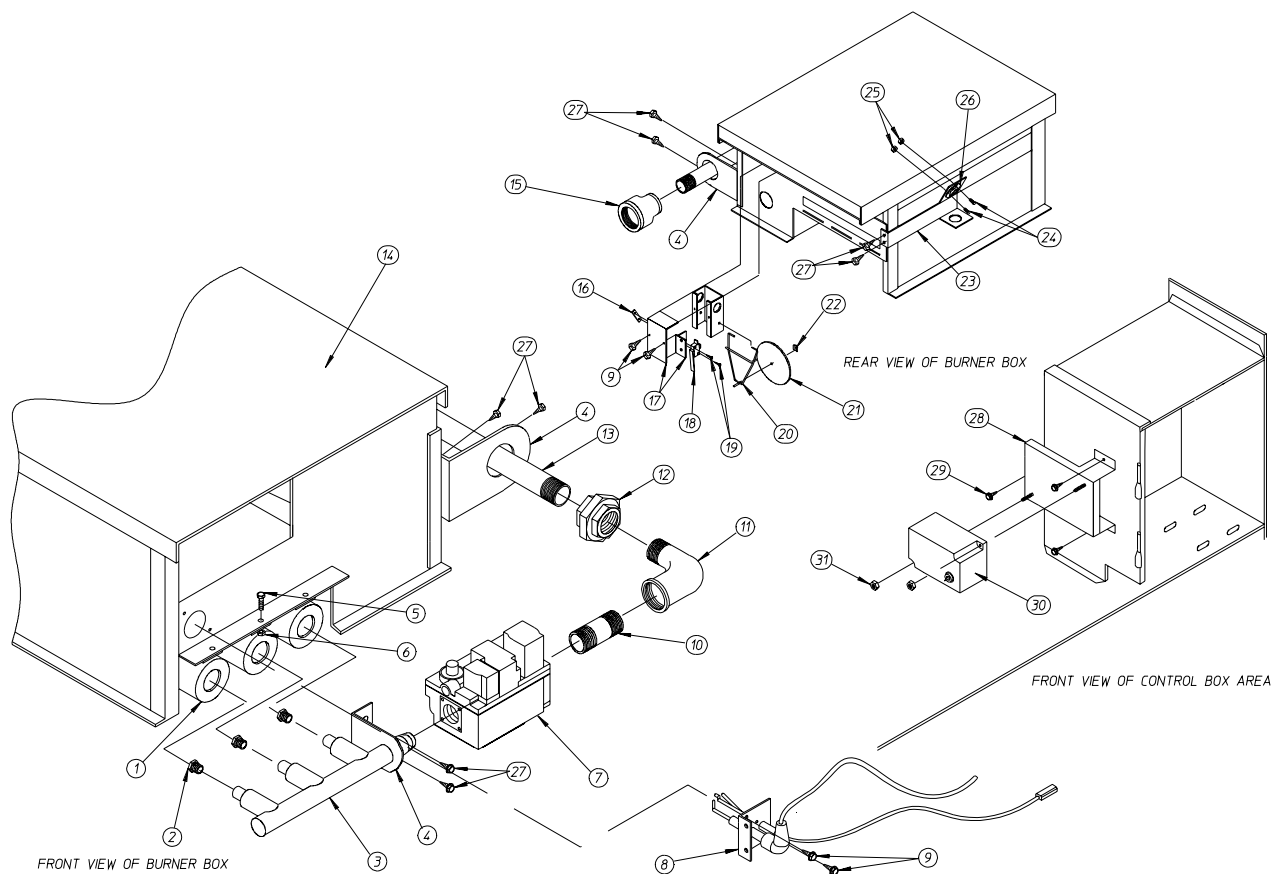
Reversing Totally Enclosed, Fan-Cooled Motor Mount Assembly

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	100178	1	4L-570 V-Belt (motor to idler)
2	100701	1	3/16" x 3/16" x 1" Key
3	101133	1	5/8" x 2-1/4" Motor Pulley (60 Hz Only)
	101130	1	5/8" x 2-1/2" Motor Pulley (50 Hz Only)
4	120200	1	3/8" x 90° Connector
	814780	1	3ø Drive Motor Harness
5*	181003	1	1/2 hp 208/230/380/460v 3ø 50/60 Hz Totally Enclosed, Fan-Cooled Motor (56Z frame)
6	150501	4	5/16-18 x 3/4" Hex Head Machine Bolt
7	153002	4	5/16" Lock Washer
8	153001	4	5/16" Flat Washer
9*	100075	1	1 hp 220/230/380/460v 3ø 50/60 Hz Totally Enclosed, Fan-Cooled Motor with 3/4" Shaft (56Z frame)
10	120200	1	3/8" x 90° Connector
	814779	1	3ø Blower Motor Harness
11	150501	4	5/16-18 x 3/4" Hex Head Machine Bolt
12	153002	4	5/16" Lock Washer
13	153001	4	5/16" Flat Washer
14	154000	8	5/16" Tinnerman Nut
15	152004	7	5/16" Hex Nut
16	153002	4	5/16" Lock Washer
17	153001	4	5/16" Flat Washer
18	803566	1	Reversing Motor Mount Only (56Z frame)
	804029*	1	Reversing Totally Enclosed, Fan-Cooled Motor Mount Assembly Complete (for 60 Hz models Only) (includes illus. nos. 2 through 14 and 18 through 24)
	804030*	1	Reversing Totally Enclosed, Fan-Cooled Motor Mount Assembly Complete (for 50 Hz models Only) (includes illus. nos. 2 through 14 and 18 through 24)
19	117604	4	Noise Suppression Tape (sold by the foot)
20	153050	1	1/2" S.A.E. Flat Washer
21	100702	1	1/8" x 1/8" x 1-1/2" Key
22	882670	1	16" Impellor with 3/4" Bore
23	153050	**	1/2" S.A.E. Flat Washer
24	152006	2	1/2-20 Left Hand Jam Nut

* Specify voltage when ordering.

** As required.

Direct Spark Ignition Burner Assembly



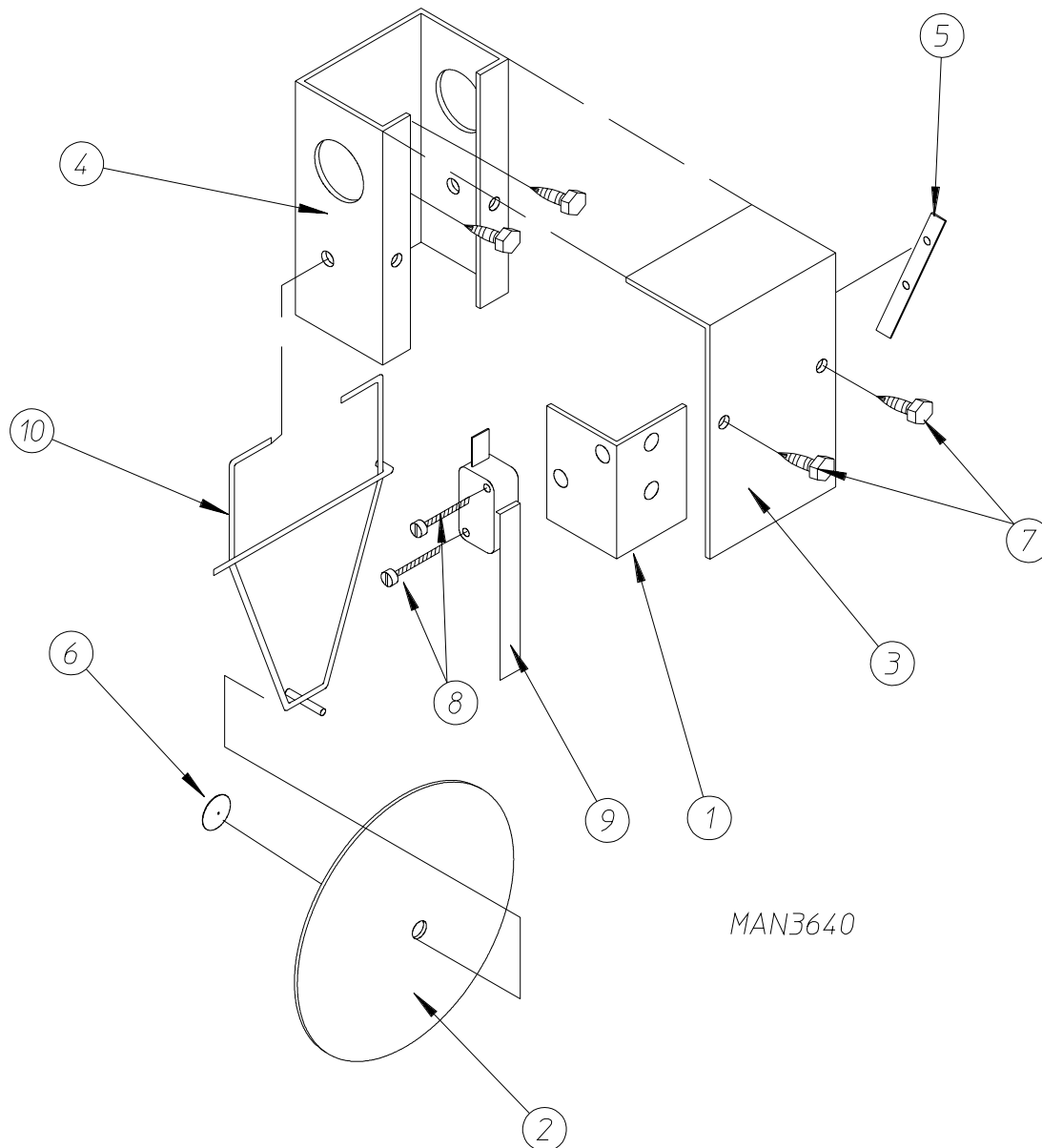
MFM 12/11/01

MAN6033

Direct Spark Ignition Burner Assembly

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	141105	3	Large Tube Burner
2	140856	3	#23 Burner Orifices (natural gas) Only
	140810	3	#42 Burner Orifices (liquid propane gas) Only
3	141232	1	1/2" Direct Spark Ignition Manifold (3-port)
4	318700	3	Pipe Bracket (bent)
5	150108	3	#8-32 x 1/2" Pan Head Machine Screw
6	151001	3	#8-32 Pal Nut
7	128927	1	Gas Valve
8	809309	1	Ignitor Probe Assembly
9	150300	4	#10-16 x 1/2" Hex Washer TEK Screw
10	142707	1	1" x 1-1/2" Nipple
11	142506	1	1/2" x 1/2" Street Elbow
12	142600	1	1/2" Black Union
13	142804	1	1/2" x 24" Pipe
14	801704	1	Direct Spark Ignition Burner Assembly (natural gas) Only (includes illus. nos. 1 and 3 through 27)
	801705		Direct Spark Ignition Burner Assembly (liquid propane gas) Only (includes illus. nos. 1 and 3 through 27)
15	143000	1	1/2" x 3/4" Reducing Coupling
16	154004	1	Twin Speed Nut
17	802799	1	Sail Switch Top and Switch Bracket
18	122200	1	Sail Switch
19	150303	2	#4 x 3/4" Pan Head "A" Machine Screw
20	105500	1	Sail Switch Actuator Rod
21	319202	1	Sail Switch Damper (flat)
22	154002	1	1/8" Push On Fastener
23	319704	1	Hi-Limit Mounting Bracket
24	150001	2	#6-32 x 1/2" Round Head Machine Screw
25	151000	2	#6-32 Pal Nut
26	130201	1	330° Hi-Limit Manual Reset
27	150309	8	#10-16 x 1/2" Hex Head TEK Crimptite Screw
28	810030	1	Direct Spark Ignition Mounting Bracket
29	150300	3	#10-16 x 1/2" Hex Washer TEK Screw
30	801048	1	Johnson Controls Direct Spark Module
31	152013	2	#6-32 Hex Nut

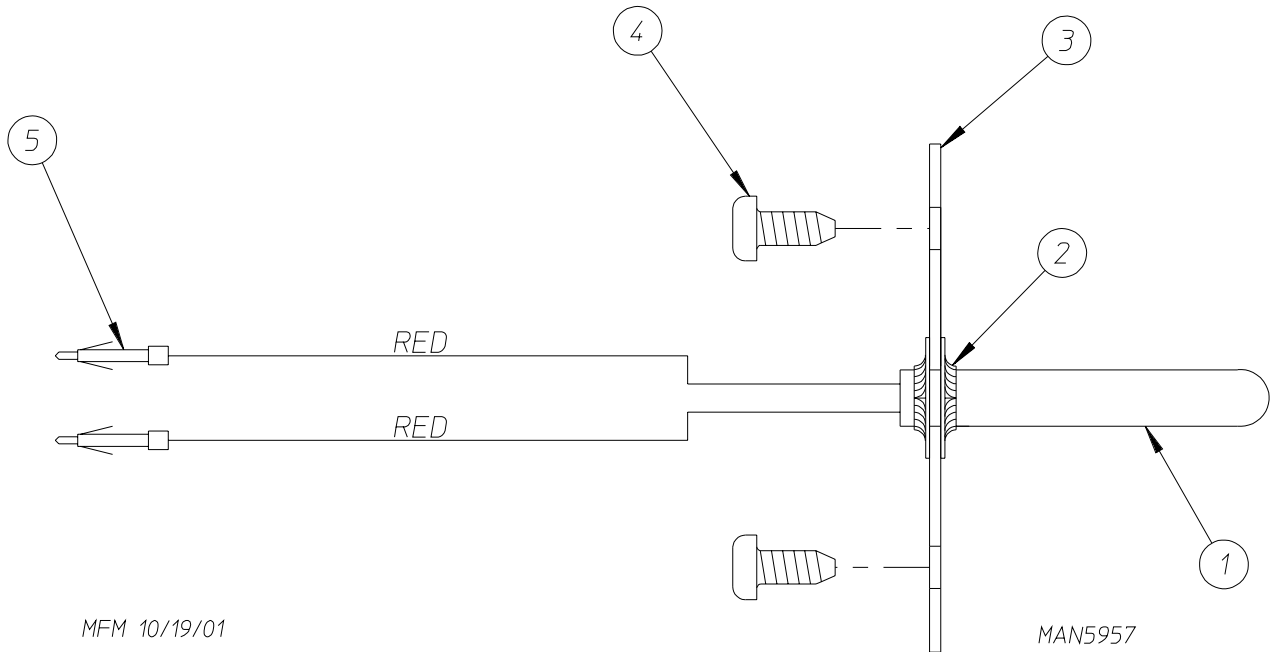
Sail Switch Assembly



MAN3640

<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	319203	1	Sail Switch Mounting Bracket
2	319202	1	Sail Switch Damper (flat)
3	319201	1	Sail Switch Box Cover
4	319200	1	Sail Switch Box
5	154004	1	Twin Speed Nut
6	154002	1	1/8" Push On Fastener
7	150309	4	#10-16 x 1/2" Hex Head TEK Crimpite Screw
8	150303	2	#4 x 3/4" Pan Head "A" Machine Screw
9	122200	1	Sail Switch Only
	881706	1	Sail Switch Box Assembly Complete (includes illus. nos. 1 through 10)
10	105500	1	Sail Switch Actuator Rod

F.S.S./S.A.F.E. System Temperature Probe Assembly

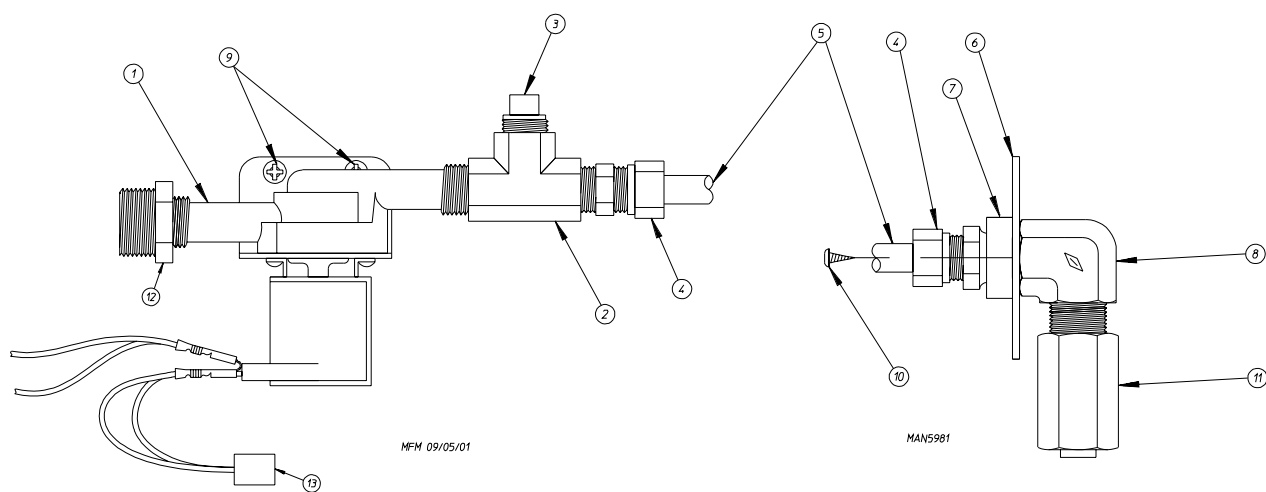


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MAN5957

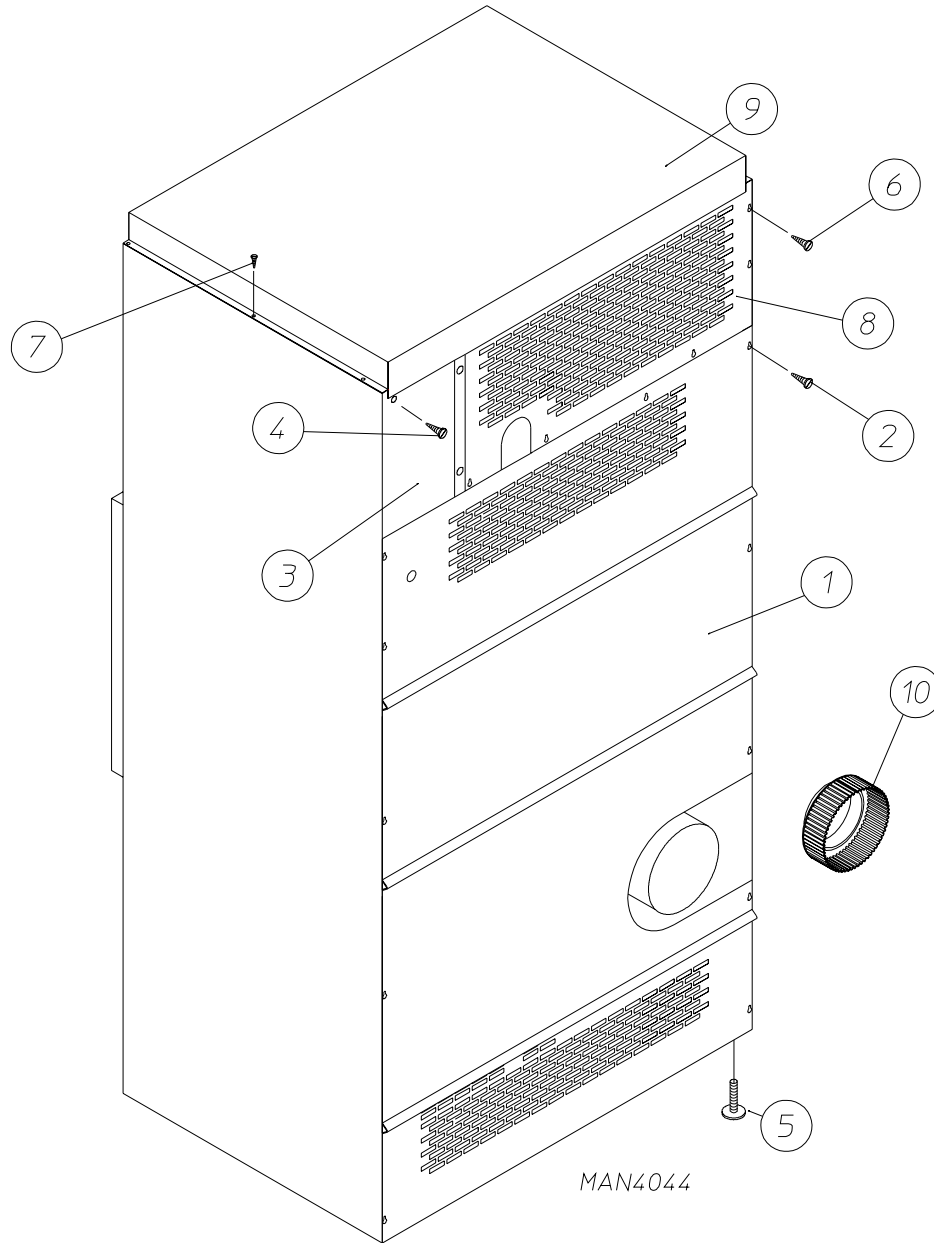
<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	822752	1	F.S.S./S.A.F.E. System Temperature Probe Assembly (includes illus. nos. 1 through 5)
2	154007	2	Push On Fastener
3	390390	1	Sensor Bracket Only
4	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
5	122643	2	Pins
	122647	1	Connector Only...Not Illustrated (does not include pins)

F.S.S./S.A.F.E. System Solenoid Assembly



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	165114	1	F.S.S./S.A.F.E. System Solenoid Valve 24V 50/60 Hz
2	143220	1	3/8" F.P.T. Brass Tree
3	143251	1	3/8" M.P.T. Brass Plug
4	143208	2	3/8" Comp x 3/8" M.P.T. Brass Connector
5	143099*	6'	3/8" OD x 0.035 Wall Copper Tubing
6	311588	1	Sprinkler Head Mounting Plate
7	143303	1	3/8" N.P.T. Brass Locknut
8	143155	1	3/8" Brass Elbow 90°
9	150430	2	#10 x 1/2" Self Drilling Screw
10	150301	2	#8-18 x 7/16" Phillips Pan Head TEK Screw
11	143581	1	3 GPM 3/8" F.P.T. Spray Nozzle
12	142888	1	1/2" to 3/8" Bushing for F.S.S./S.A.F.E. System Valve
13	824828	1	Arc Suppressor

* Sold by the foot.



<u>Illus. No.</u>	<u>Part No.</u>	<u>Qty.</u>	<u>Description</u>
1	314501	1	Bottom Back Guard (for models mfd. as of July 13, 1998)
2	150301	12	#8-18 x 7/16" Phillips Pan Head TEK Screw
3	322809	1	Rear Electrical Box Cover
4	150301	4	#8-18 x 7/16" Phillips Pan Head TEK Screw
5	103500	4	Leveling Leg
6	150301	7	#8-18 x 7/16" Phillips Pan Head TEK Screw
7	150301	12	#8-18 x 7/16" Phillips Pan Head TEK Screw
8	314738	1	Top Back Guard
9	314737	1	Outer Top
10	882099	1	8" to 10" Increaser

Additional Parts Available

<u>Part No.</u>	<u>Description</u>
114001	"CAUTION - Exhausted" Label
114004	"CAUTION - Rotating Parts"
114005	"DANGER - Hot"
114006	"WARNING - Fire Hazards" Label
114007	"DANGER - High Voltage"
114008	"WARNING - Fumes"
114072	"Exhaust Warning"
114533	120V Electric Service 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) Flexible Steel Conduit
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
121499	5-1/2" Harness Tie
121500	8" Harness Tie
121503	Harness Tie Mounting Clip
122804	Manometer (hydro gauge) for Measuring Gas Pressure
404502	White Brush-In-Cap Bottle Touch-Up Paint
404507	Cornflower Blue Brush-In-Cap Bottle Touch-Up Paint
882458	Tumbler Bearing Puller

