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IPSO

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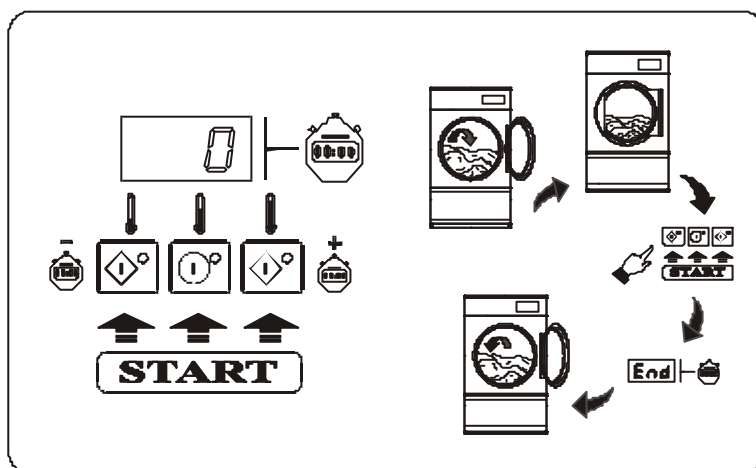
IPSO DR80

Onderdelenlijst

Spare parts list

Liste de pièces détachées

Ersatzteilliste



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PARTS Bulletin

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Bulletin No. PS02-113WR1

Date February 2003

Subject DX4 Electronic Control

Use With 70278901, 70278701 and 70278801

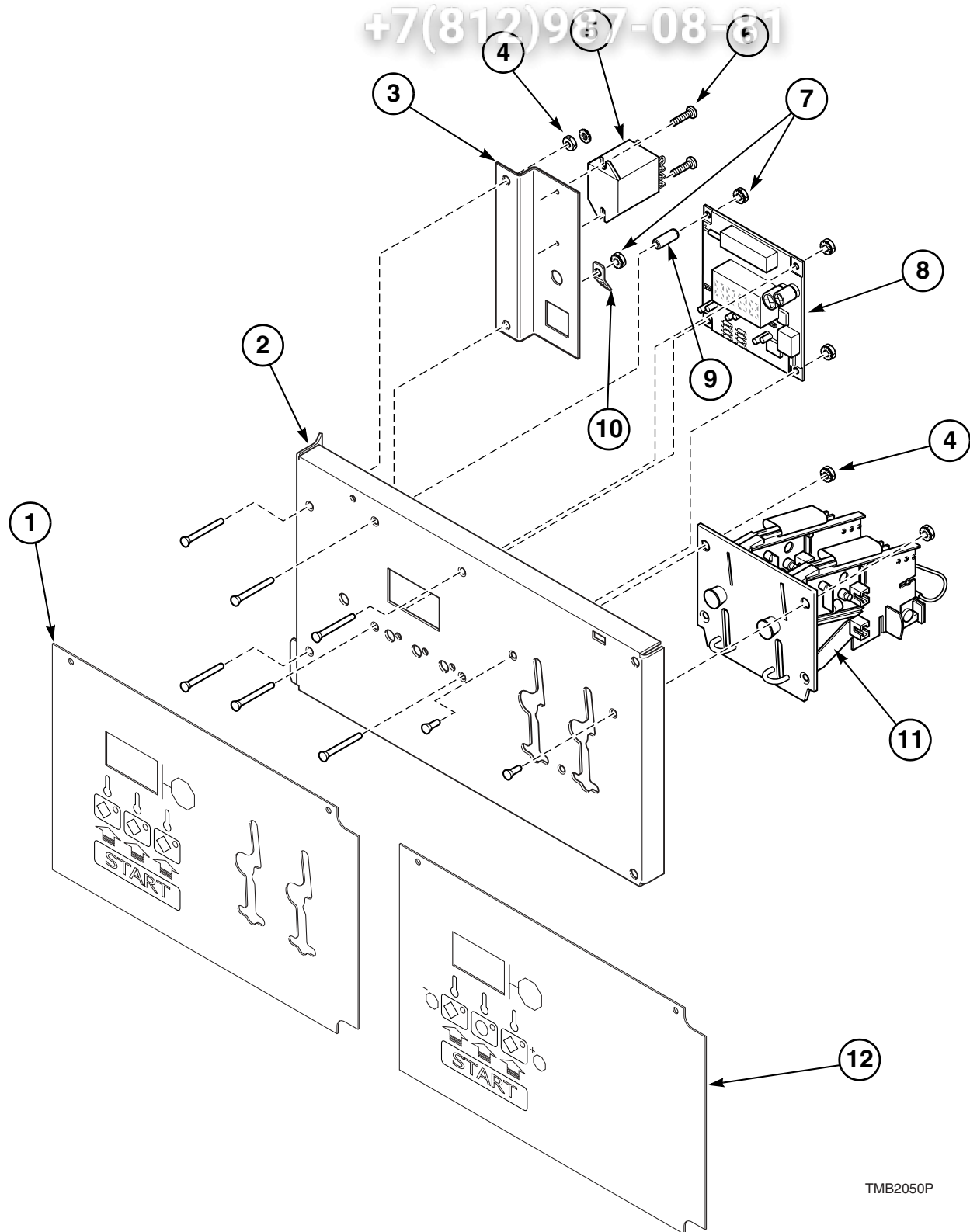
The following pages are applicable to the models with the following control suffixes.

30	DX4 OPL	
3V	DX4 vended	
3X	DX4 prep for coin	
R3	Reversing DX4 OPL	50 and 75 pound models only

Please add these suffixes to the model page of the parts manual.

DX4 Electronic Control

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TMB2050P

DX4 Electronic Control

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REF	PART #	DESCRIPTION	COMMENTS
1	TU21080	Overlay	Dual; Coin (shown)
	TU21077	Overlay	Single; Coin
2	TU21081	Control Door Assembly	Includes studs
3	TU20088	Bracket	025, 035 European models only
4	TU20598	Nut	025, 035 European models only
5	TU20647	Relay	025, 035 European models only
6	TU20716	Screw	025, 035 European models only
7	TU20897	Nut	
8	TU20908	Electronic Control	
9	TU21082	Sleeve	4 required
10	TU20396	Terminal	025, 035 European models only
11	TU20926	Coin Drop Assembly	Token 118-1
	TU20927	Coin Drop Assembly	Token 118-5
	TU20928	Coin Drop Assembly	Canada \$.25
	TU20929	Coin Drop Assembly	Canada \$.25/1.00
	TU20930	Coin Drop Assembly	Australia \$.20/1.00
	TU20931	Coin Drop Assembly	U.S.A. \$.25; Single
	TU20932	Coin Drop Assembly	U.S.A. \$.25/1.00; Dual
	TU20933	Coin Drop Assembly	Japan 100/500 yen
	TU20934	Coin Drop Assembly	Japan 100 yen
	TU20935	Coin Drop Assembly	Korea 100/500 won
	TU20936	Coin Drop Assembly	New Zealand \$.20/1.00
	TU20937	Coin Drop Assembly	Token 118-16
	TU20938	Coin Drop Assembly	Dual-Taiwan
	TU20939	Coin Drop Assembly	Taiwan-10NT
	TU20940	Coin Drop Assembly	Israel shekel
	TU20941	Coin Drop Assembly	5/10 Krone
	TU20942	Coin Drop	Denmark 1 Krone/5 Krone
	TU20943	Coin Drop	England 20 Pence/1 Pound
	TU20944	Coin Drop	Europe .20 Euro/.50 Euro
	TU20945	Coin Drop	Europe .20 Euro/1.00 Euro
	TU20946	Coin Drop	Europe .50 Euro/1.00 Euro
	TU20947	Coin Drop	Token Jeton 08 MS
12	TU20909	Overlay	OPL models

Bulletin No. PS02-59W

Date August 2002

Subject Cabinet High Limit and Thermistor Assembly for 50 and 75 Pound Tumblers

Use With Parts Manuals 70278701 and 70278801

The following information should be added to Parts Manuals 70278701 and 70278801. The parts are called out on the reverse side of this bulletin.

Cabinet High Limit and Thermistor Assembly

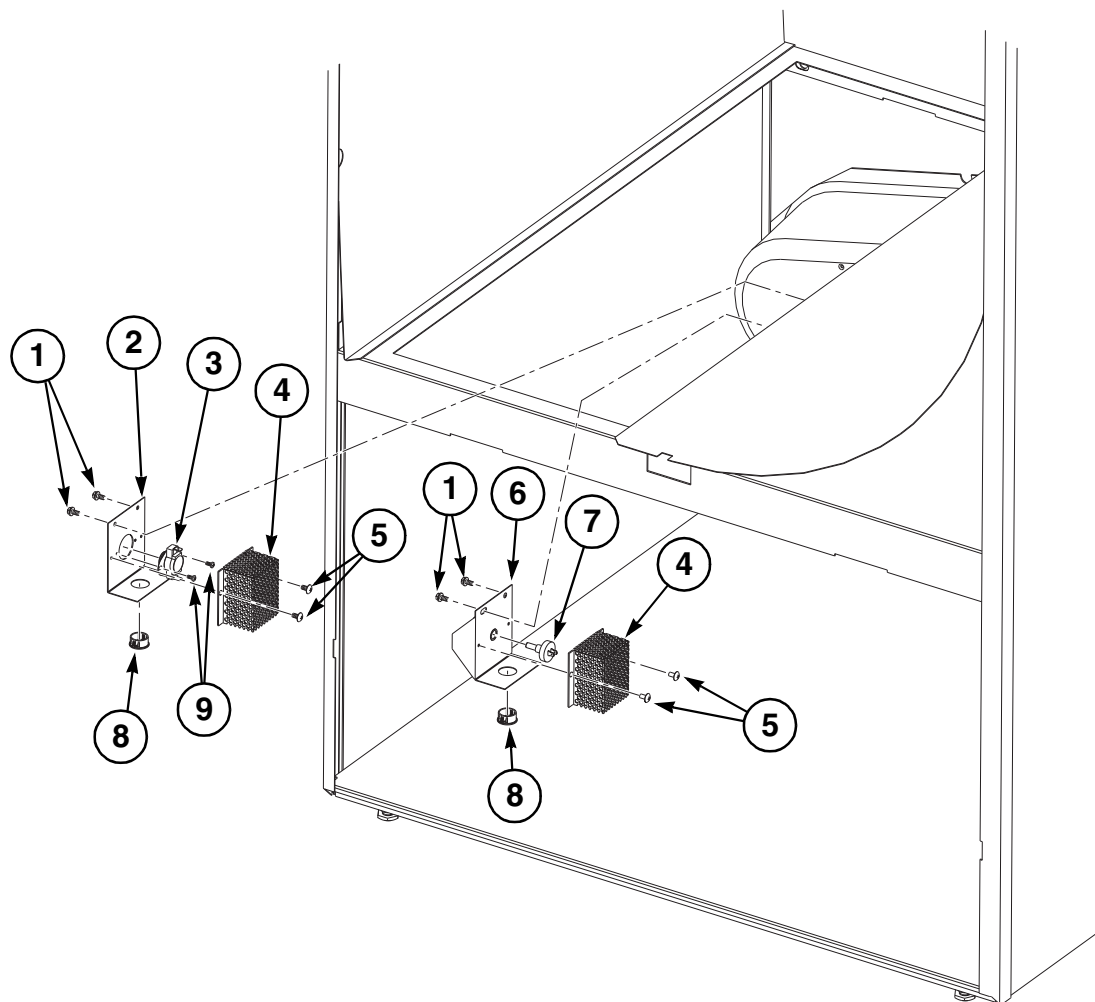
50 and 75 Pound Tumblers

REF	PART #	DESCRIPTION	COMMENTS
	TU20917	Thermistor Cable	
	TU20918	Cabinet Limit Harness	EU; Non-steam heat models
	TU20919	Cabinet Limit Harness	Non-EU; Non-steam heat models
1	TU20682	Screw	Non-steam heat models
2	TU20920	Cabinet Limit Bracket	Non-steam heat models
3	TU20921	Cabinet Limit Thermostat	Electric heat models
	TU20455	Cabinet Limit Thermostat	Non-EU and Non-Australian gas models
	TU20787	Cabinet Limit Thermostat	EU and Australian gas models; Manual reset
4	TU20792	Cover	Non-steam heat models
5	TU20712	Screw	Non-steam heat models
6	TU20922	Thermistor Bracket	
7	TU20784	Thermistor	
8	TU20730	Bushing	Non-steam heat models
9	TU20716	Screw	Non-steam heat models

Cabinet High Limit and Thermistor Assembly

50 and 75 Pound Tumblers

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TMB1806B

Bulletin No. PS02-60W

Date August 2002

Subject New Lint Panel Switch Assembly for 50 and 75 Pound Tumblers

Use With Parts Manuals 70278701 and 70278801

The following information should be added to Parts Manuals 70278701 and 70278801. The parts are called out on the reverse side of this bulletin.

Lint Panel Switch Assembly

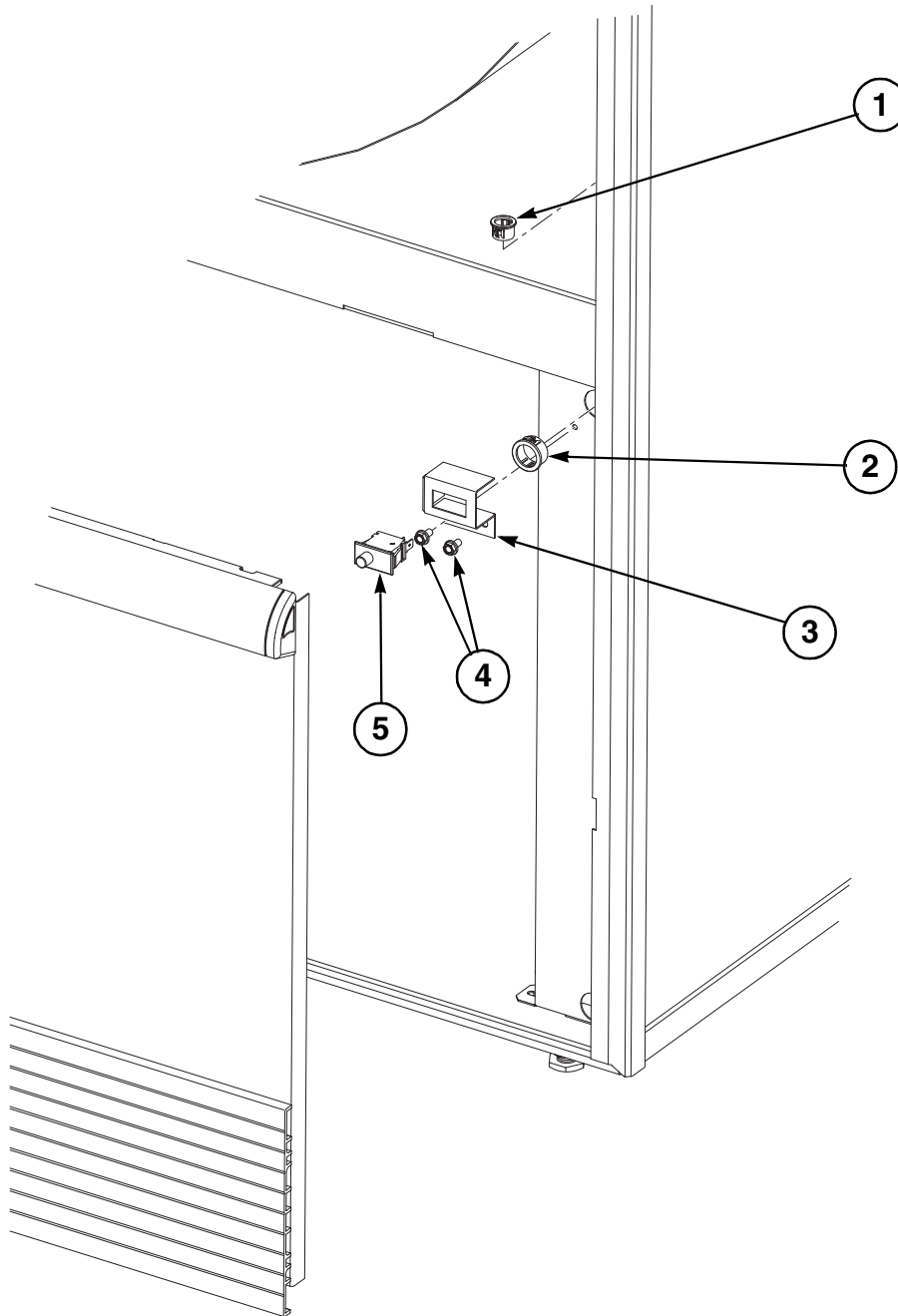
50 and 75 Pound Tumblers

REF	PART #	DESCRIPTION	COMMENTS
	TU20904	Lint Panel Switch Harness	All except EU CD models
	TU20905	Lint Panel Switch Harness	EU CD models
1	TU20914	Bushing	
2	TU20915	Bushing	
3	TU20916	Bracket	
4	TU20682	Screw	
5	TU20645	Switch	

Lint Panel Switch Assembly

50 and 75 Pound Tumblers

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PARTS Bulletin

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Bulletin No. PS03-45W

Date April 2003

Subject Adding DX4 Control Suffixes to Contactor and Accessory Box Assemblies

Use With 70278701 and 70278801

Please mark the following pages with the information listed below:

Pgs 79, 81, 105, 107, 121, 123, 125, 127

Add TU20435 Harness Transformer Assembly Secondary; 3O, 3V, 3X and R3 control suffixes

Revise TU20042 Harness Transformer Assembly Secondary; DV, DX, DO, RD control suffixes

II **PARTS** **Bulletin**

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Bulletin No. PS03-76W

Date July 2003

Subject Motor Usage Correction for 75 Pound Tumblers

Use With 70278801

Replace page 128 of Parts Manual 70278801 with the reverse side of this bulletin.

Motor Usage Tables

Nonreversing Tumblers

MODEL	ELECTRIC SERVICE	FAN MOTOR	
		PART NO.	HP
Gas and Steam	120 Volt/ 60 Hertz/ 1 Phase	TU21089	3/4
	200-208/240 Volt/ 60 Hertz/ 1 Phase	TU21089	3/4
	200-208-240 Volt/ 60 Hertz/ 3 Phase	TU21090	3/4
	460-480 Volt/ 60 Hertz/ 3 Phase	TU21090	3/4
	230-240 Volt/ 50 Hertz/ 1 Phase	TU21091	3/4
	200 Volt/ 50 Hertz/ 3 Phase	TU21090	3/4
	230-240 Volt/ 50 Hertz/ 3 Phase	TU21090	3/4
	380/400-415 Volt/ 50 Hertz/ 3 Phase	TU21090	3/4
Electric	200-208 Volt/ 60 Hertz/ 3 Phase	TU21089	3/4
	240 Volt/ 60 Hertz/ 3 Phase	TU21089	3/4
	480 Volt/ 60 Hertz/ 3 Phase	TU21090	3/4
	200 Volt/ 50 Hertz/ 3 Phase	TU21090	3/4
	240 Volt/ 50 Hertz/ 3 Phase	TU21091	3/4
	380 Volt/ 50 Hertz/ 3 Phase	TU21090	3/4
	400-415 Volt/ 50 Hertz/ 3 Phase	TU21090	3/4

Reversing Tumblers

MODEL	ELECTRIC SERVICE	FAN MOTOR			DRIVE MOTOR	
		PART NO.		HP	PART NO.	HP
Gas and Steam	200-208-240 Volt/ 60 Hertz/ 3 Phase	075	TU21094	1/3	TU20254	1/3
		F75	TU21092	1		
	460-480 Volt/ 60 Hertz/ 3 Phase	075	TU21094	1/3	TU20254	1/3
		F75	TU21092	1		
	230-240 Volt/ 50 Hertz/ 1 Phase	TU21093		1/3	TU20255	1/3
	200 Volt/ 50 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3
	230-240 Volt/ 50 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3
Electric	380/400-415 Volt/ 50 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3
	200-208 Volt/ 60 Hertz/ 3 Phase	TU21095		1/3	TU20254	1/3
	240 Volt/ 60 Hertz/ 3 Phase	TU21095		1/3	TU20254	1/3
	480 Volt/ 60 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3
	200 Volt/ 50 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3
	230 Volt/ 50 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3
	240 Volt/ 50 Hertz/ 3 Phase	TU21093		1/3	TU20254	1/3
	380 Volt/ 50 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3
	400-415 Volt/ 50 Hertz/ 3 Phase	TU21094		1/3	TU20254	1/3

PARTS Bulletin

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Bulletin No. PS03-77W

Date July 2003

Subject New Coin Chute for 25, 30, 35, 50 and 75 Pound Tumblers

Use With 70278901, 70278701 and 70278801

Replace the currently listed part number for the coin chute in each manual with the new part number listed below.

Current Part Number	Description	New Part Number
TU20146	Coin Chute	TU21113

Product Type Drying Tumblers
Purpose Announcement
Subject Additional Parts for 50 and 75 Pound Tumblers
Use With 70278701 and 70278801

Please include these parts for Electric European models :

Part No.	Description	Comments
TU21127	Contactator Box Side	2 required
TU20682	Screw	24 required; To secure contactor box to backplane
TU20689	Screw	6 required
TU21128	Rivet	2 required; To secure cover to contactor box
TU21129	Contactator Box Cover	
TU20489	Door Interlock	
TU20870	Handle	
TU20344	Fuseholder	Includes nut
TU21130	Fuse Carrier	
TU21131	Fuse	For control suffixes CD, MT and RT
TU20663	Timer	Reversing; Control suffix RT
TU21132	Screw	2 required; Control suffix RT; To mount timer (TU20663)
TU20591	Nut	2 required; Control suffix RT; To mount timer (TU20663)

Additional Parts for 50 and 75 Pound Tumblers

Please include these parts for Gas and Steam European models:

Part No.	Description	Comments
TU21133	Junction Box Side	2 required
TU20682	Screw	18 required; To secure junction box to backplane
TU20689	Screw	6 required
TU21228	Rivet	2 required; To secure cover to junction box
TU20400	Handle	
TU20488	Door Interlock	
TU21134	Junction Box Cover	
TU20344	Fuseholder	Includes nut
TU21130	Fuse Carrier	
TU21131	Fuse	Control suffixes CD, MT and RT
TU20663	Timer	Reversing; Control suffix RT
TU21132	Screw	2 required; Control suffix RT; To mount timer (TU20663)
TU20591	Nut	2 required; Control suffix RT; To mount timer (TU20663)

Bulletin No. PS03-96W

Date November 2003

Subject Cylinder and Trunnion Replacement Kits Available

Use With 70278701 and 70278801

The following kits are now available for B and C models.

Part No.	Description	Comment
TU21135	Cylinder Replacement Kit*	50 Pound; Reversing and nonreversing
TU21136	Cylinder Replacement Kit*	50 Pound; Reversing and nonreversing; Stainless steel
TU21137	Cylinder, Trunnion and Bearing Housing Replacement Kit	50 Pound; Nonreversing
TU21138	Cylinder, Trunnion and Bearing Housing Replacement Kit	50 Pound; Nonreversing; Stainless steel
TU21139	Cylinder, Trunnion and Bearing Housing Replacement Kit	50 Pound; Reversing
TU21140	Cylinder, Trunnion and Bearing Housing Replacement Kit	50 Pound; Reversing; Stainless steel
TU21141	Cylinder, Trunnion and Bearing Housing Replacement Kit	75 Pound; Nonreversing

*Kit includes instructions for trunnion modification (cylinder mounting hole size increase) required for some nonreversing applications.

Parts BULLETIN

Зип Общепит

Bulletin No. PS04-6W
Date February 2004

Product Type Tumbler Dryer
Purpose Correction to Manual
Interchangeable No, see serial number break
Subject Clarification of Front and Side Panel Part Numbers for 50 and 75 Pound Tumblers

Use With 70278701 and 70278801

Refer to information on the second page of this bulletin when ordering replacement front or side panels. Add this information to Parts Manuals 70278701 and 70278801.

Clarification of Front and Side Panel Part Numbers for 50 and 75 Pound Tumblers

Models prior to Serial Number 0308001307:

Part No.	Description	Comments
TU21154	Front Panel	Coin
TU21155	Front Panel	Coin; Stainless steel
TU21156	Front Panel	Card
TU21157	Front Panel	Card; Stainless steel
TU21158	Front Panel	OPL; Non-European models
TU21159	Front Panel	OPL; Stainless steel; Non-European models
TU21160	Front Panel	OPL; European models
TU21161	Front Panel	OPL; European models; Stainless steel
TU21083	Side Panel Assembly	50; Right; Includes brackets
TU21084	Side Panel Assembly	50; Left; Includes brackets
TU21162	Side Panel Assembly	75; Right; Includes brackets
TU21163	Side Panel Assembly	75; Left; Includes brackets

Models after Serial Number 0308001307:

Part No.	Description	Comments
TU21164	Front Panel	Coin
TU21165	Front Panel	Coin; Stainless steel
TU21166	Front Panel	Card
TU21167	Front Panel	Card; Stainless steel
TU21168	Front Panel	OPL; Non-European models
TU21169	Front Panel	OPL; Stainless steel; Non-European models
TU21170	Front Panel	OPL; European models
TU21171	Front Panel	OPL; European models; Stainless steel
TU21172	Side Panel Assembly	50; Right; Includes brackets
TU21173	Side Panel Assembly	50; Left; Includes brackets
TU21174	Side Panel Assembly	75; Right; Includes brackets
TU21175	Side Panel Assembly	75; Left; Includes brackets

* Add letter to designate color:

L - Almond

P - Turquoise

Q - Bisque

W - White

Bulletin No. PS02-59WR1

Date March 2004

Subject Cabinet High Limit and Thermistor Assembly for 50 and 75 Pound Tumblers

Use With Parts Manuals 70278701 and 70278801

Changes to the Part Nos. are in bold, please mark the Parts Manuals accordingly.

The following information should be added to Parts Manuals 70278701 and 70278801. The parts are called out on the reverse side of this bulletin.

Cabinet High Limit and Thermistor Assembly

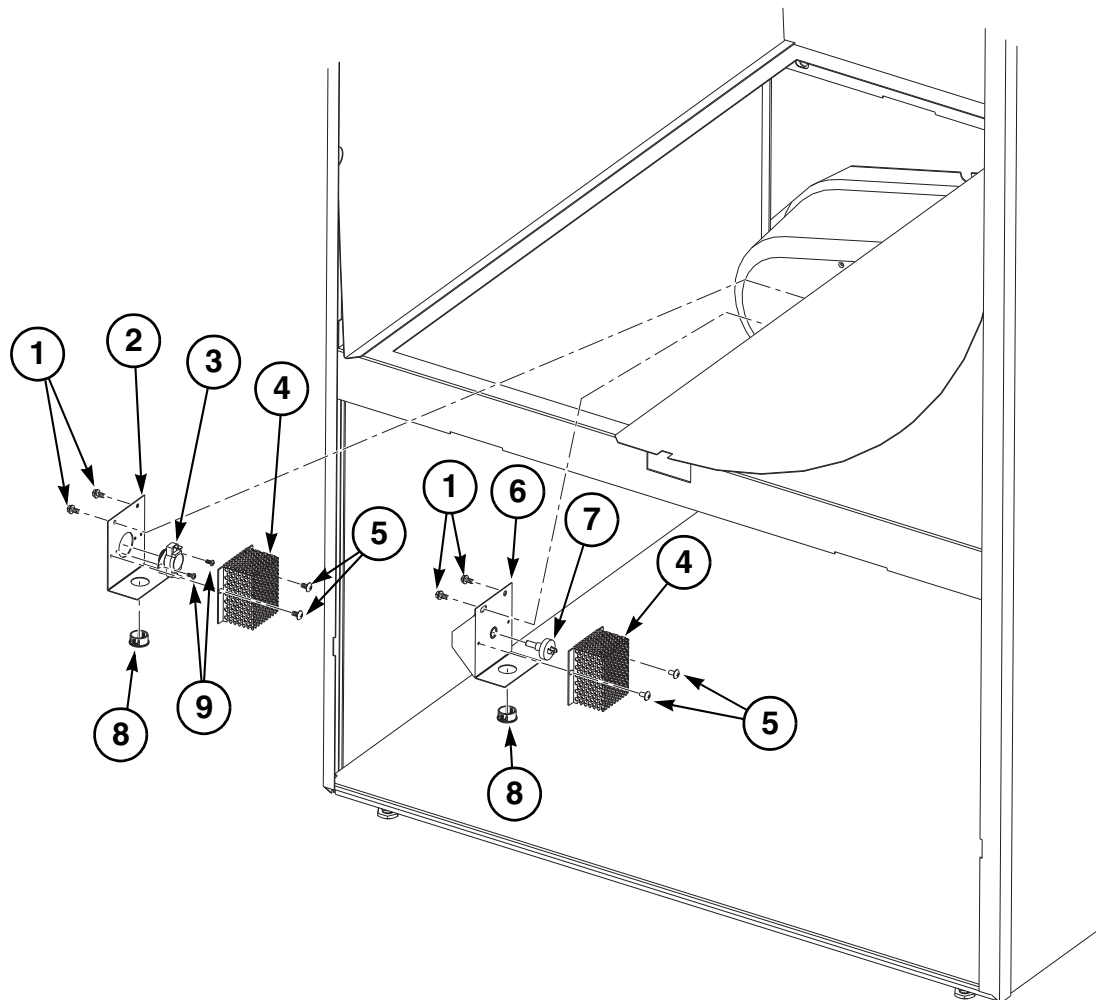
50 and 75 Pound Tumblers

REF	PART #	DESCRIPTION	COMMENTS
	TU21177	Thermistor Cable	
	TU21178	Cabinet Limit Harness	EU; Non-steam heat models
	TU21179	Cabinet Limit Harness	Non-EU; Non-steam heat models
1	TU20682	Screw	Non-steam heat models
2	TU21180	Cabinet Limit Bracket	Non-steam heat models
3	TU21181	Cabinet Limit Thermostat	Electric heat models
	TU20455	Cabinet Limit Thermostat	Non-EU and Non-Australian gas models
	TU20884	Cabinet Limit Thermostat	EU and Australian gas models; Manual reset
4	TU20792	Cover	Non-steam heat models
5	TU20712	Screw	Non-steam heat models
6	TU21182	Thermistor Bracket	
7	TU20784	Thermistor	
8	TU20730	Bushing	Non-steam heat models
9	TU20716	Screw	Non-steam heat models

Cabinet High Limit and Thermistor Assembly

50 and 75 Pound Tumblers

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TMB1806B

Parts BULLETIN

Зип Общепит

Bulletin No.
Date

PS04-15W
March 2004

Product Type Tumbler
Purpose Correction to Manual
Interchangeable Yes
Subject Correction to Flotation Sensor Part Number for 50 and 75 Pound Tumblers
Use With 70278701 and 70278801

Please mark the correct Part No. in parts manuals 70278701 and 70278801, page 57:

Ref	Incorrect Part No.	Correct Part No.	Description
1	TU20725	TU14414	Sensor

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Table of Contents

Title	Page
Parts Ordering Information	3
Serial Plate Location	3
Model Identification	5
Control Box	6
Electromechanical Coin Drop	8
Coin Meter	10
Manual Dual Timer Controls	12
Manual Dual Timer Controls	14
DMP Control	16
Cabinet Front Components.....	18
Cabinet Front Components.....	20
Lower Front Cabinet Components	22
Cabinet Components	24
Door and Hinge Components	26
Cylinder and Trunnion Assemblies	28
Trunnion Housing	30
Drive Components For Reversing Models.....	32
Idler Drive Components for Nonreversing Models.....	34
Idler Housing Assembly for Reversing Models	36
Idler Housing Assembly For Nonreversing Models.....	38
Fan and Motor Components	40
Reversing Cylinder Drive Motor and Components	42
Gas Heater Components	44
Gas Heater Components	46
Non-EU Electric Heater Components	48
EU Electric Heater Components.....	50
Airflow Switch Assembly	52
Steam Heater and Valve.....	54
Rotation Sensor	56
EU Emergency Stop Button.....	58

(continued)

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Contactor Box Assemblies	
Gas and Steam Models	60–80
Steam Models	82
Electric Models.....	84–106
Electric Accessory Box Assemblies	108–112
EU Contactor Box Assemblies	
Gas Models.....	114–116
Gas and Steam Models	118–122
Electric Models.....	124–126
Motor Usage Tables	128
Parts Index.....	129

Parts Ordering Information

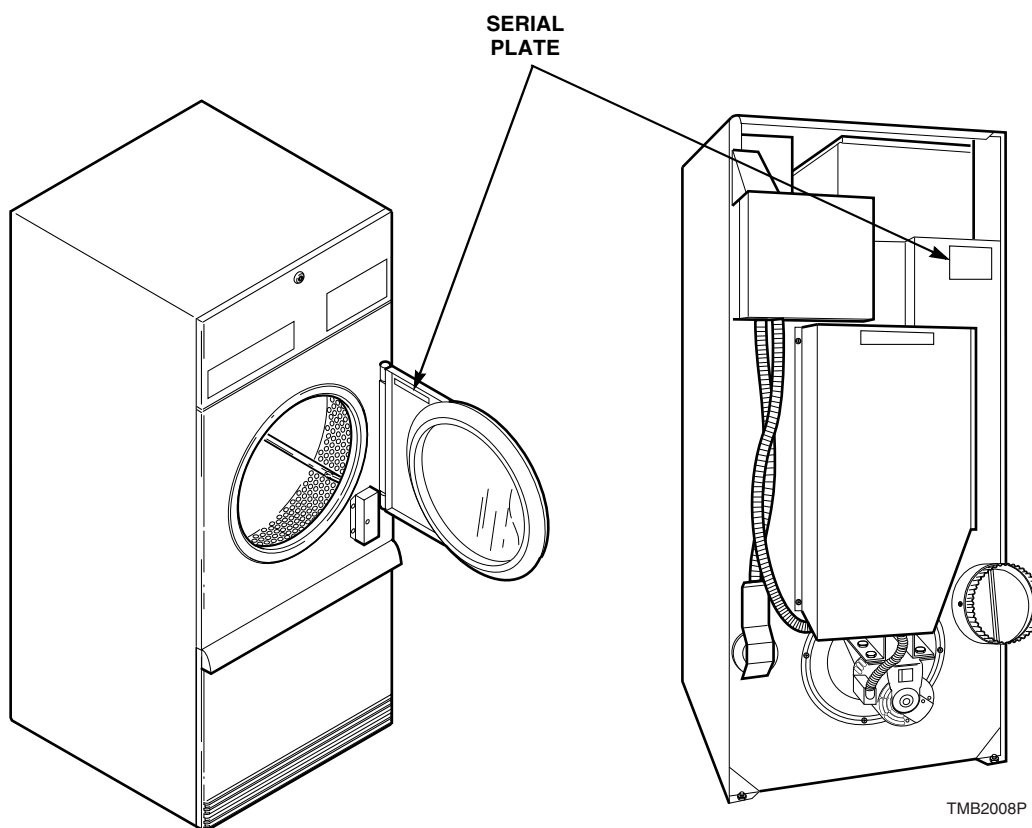
If literature or replacement parts are required, contact the source from whom the machine was purchased.

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Serial Plate Location

When calling or writing about your product, be sure to mention model and serial numbers. Model and serial numbers are located on serial plate(s) as shown.



Notes
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Model Identification

Information in this manual is applicable to the following models†:

Gas		Steam	Electric
BA075L	CT075N	BU075S	BU075E
BA075N	CU075L	CT075S	CT075E
BU075L	CU075N	CU075S	CU075E
BU075N	IA075L	IT075S	IT075E
CA075L	IA075N		
CA075N	IT075L		
CT075L	IT075N		

†Control suffixes: (7th and 8th characters)

CD - rotary coin drop

DO - DMP OPL

DV - DMP vended

MT - manual timer

RD - reversing DMP OPL

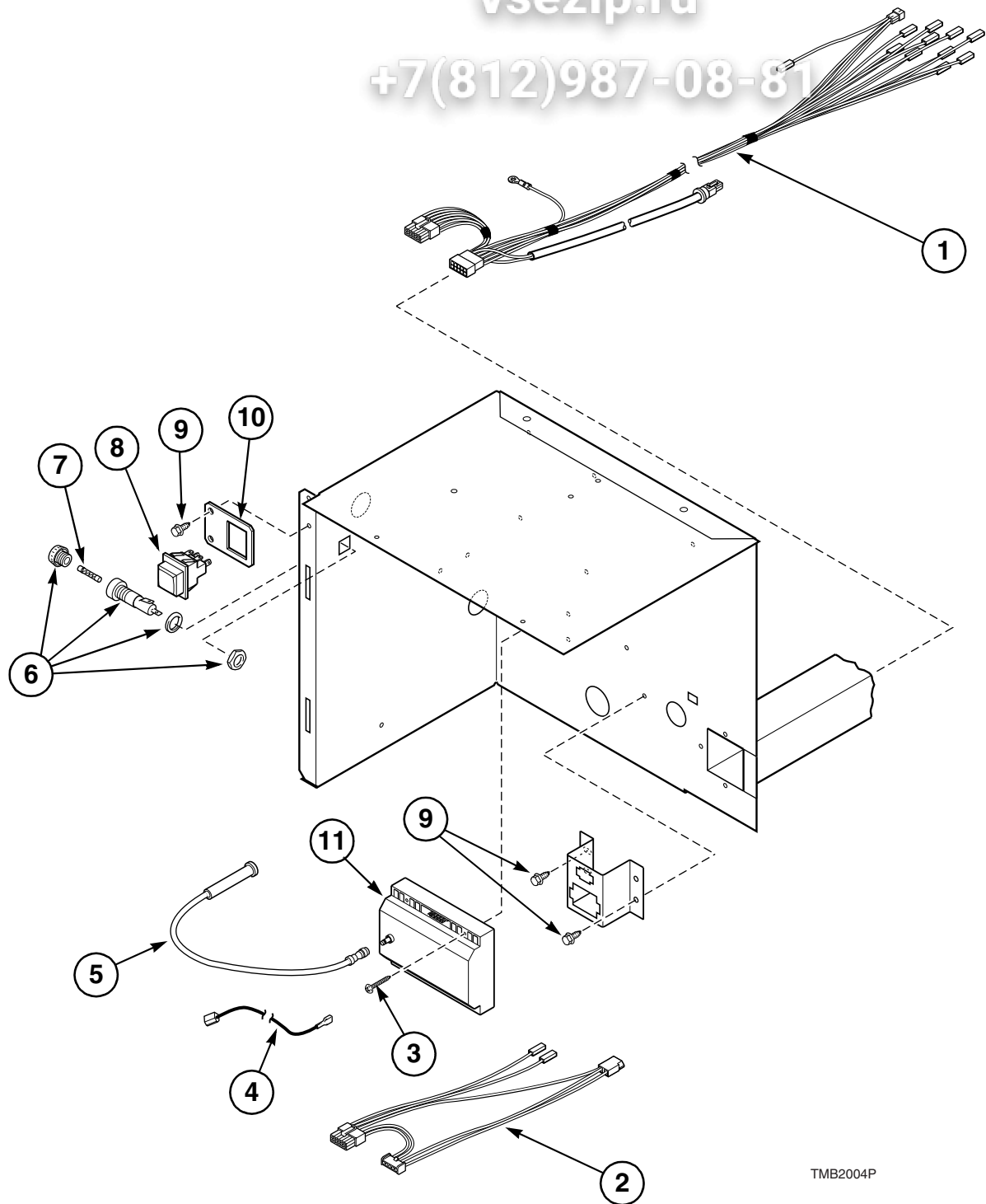
RT - reversing manual timer

Control Box

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Control Box

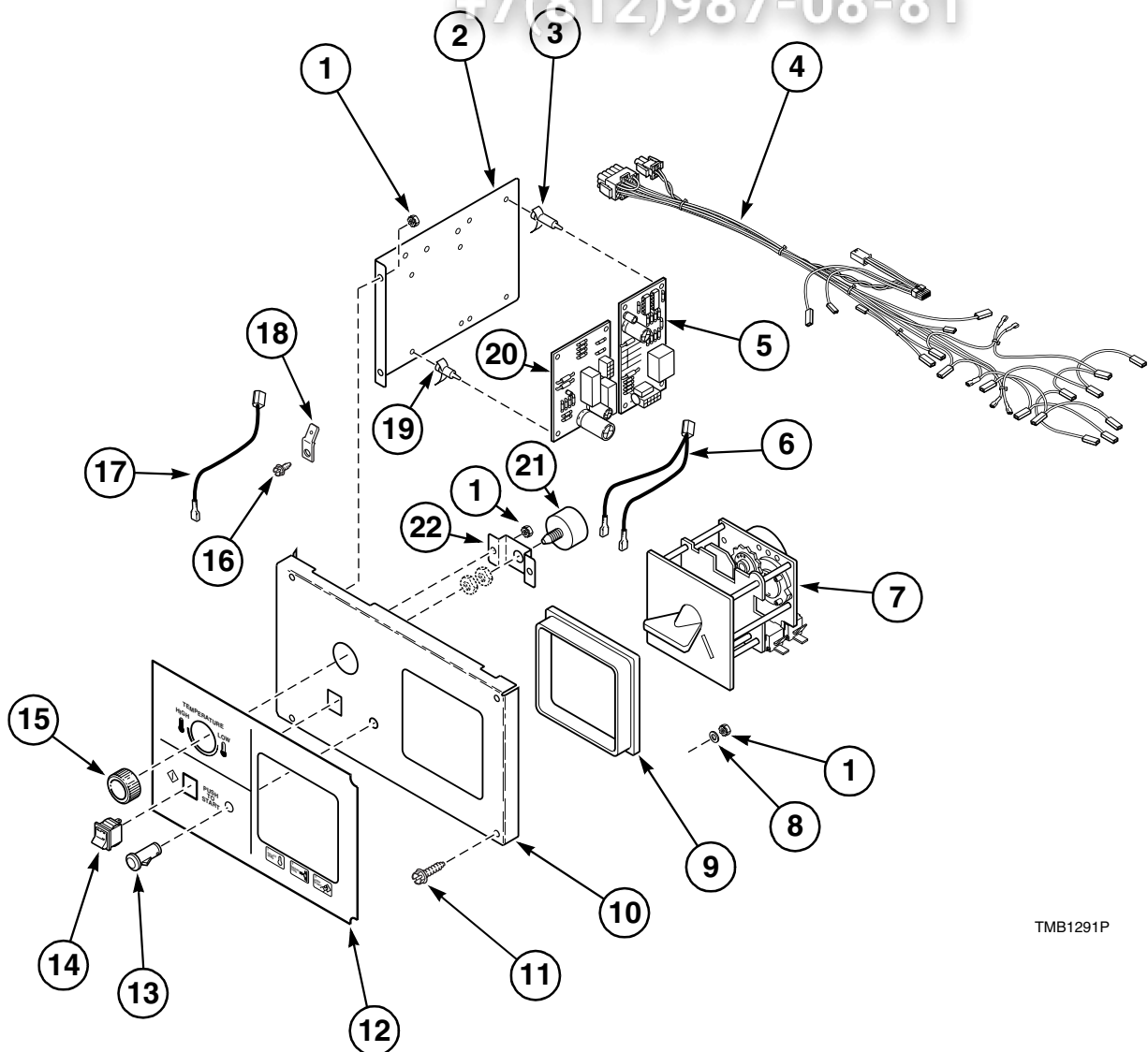
REF	PART #	DESCRIPTION	COMMENTS
1	TU20403	Harness	Main; Non EU models
	TU20405	Harness	Main; EU models with control suffixes CD, MT or RT
	TU20417	Harness	Main; EU models with control suffixes DO, DV and RD
2	TU20493	Harness	Bypass; Steam; EU models
	TU20408	Harness	Gas; All models except EU and Australian
	TU20409	Harness	Bypass; Steam; All models except EU
	TU20410	Harness	Electric; All models except EU
	TU20413	Harness	Gas; Australian models
	TU20415	Harness	Gas; EU models
	TU20901	Harness	Electric; EU models
3	TU20695	Screw	2 required; Gas models
	TU20721	Screw	2 required; Australian gas models
4	TU20656	Return Lead	Australian models; Gas
5	TU20462	High Voltage Lead	Non-Australian models; Gas
	TU20464	High Voltage Lead	Australian models; Gas
6	TU20345	Fuse Receptacle	Non-EU models
7	TU20340	Fuse	Non-EU models
8	TU20646	Reset Switch	EU models; Gas
9	TU20682	Screw	
10	TU20761	Switch Bracket	EU models; Gas
11	TU20479	Ignition Control	Australian models; Gas
	TU20481	Ignition Control	EU models; Gas
	TU20483	Ignition Control	Non-EU and Non-Australian models; Gas

Electromechanical Coin Drop

Models with Control Suffix CD

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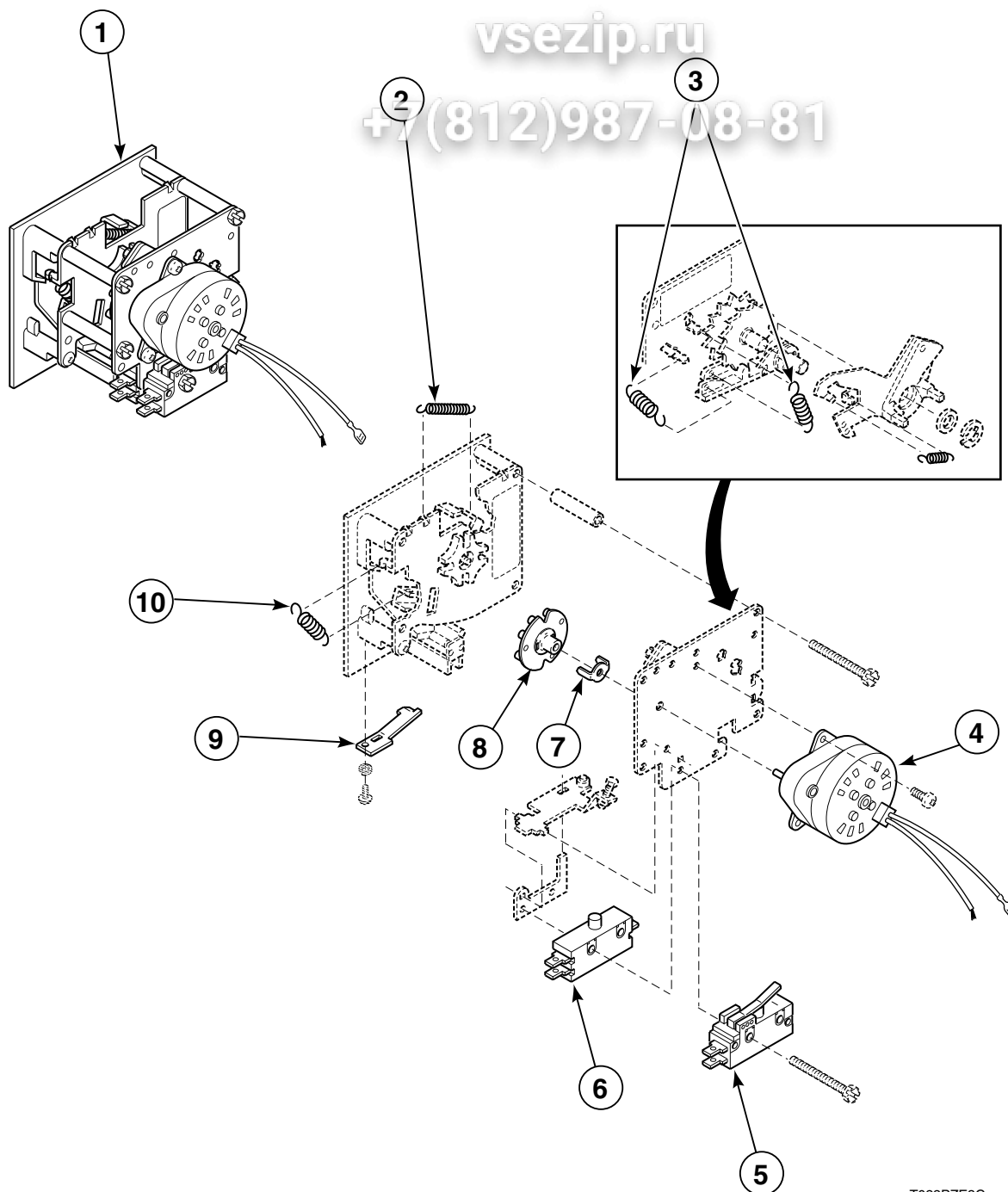


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Electromechanical Coin Drop

Models with Control Suffix CD

REF	PART #	DESCRIPTION	COMMENTS
	TU20113	Cam Package	Timing cams
1	TU20598	Nut	7 required
2	TU20083	Bracket	Temperature control
3	TU20130	Circuit Board Support	4 required
4	TU20175	Control Panel Harness	Non-EU models
	TU20178	Control Panel Harness	EU models; Electric
	TU20183	Control Panel Harness	EU models; Gas and steam
5	TU20772	Temperature Control Board	
6	TU20586	Jumper Calibration	
7	TU20149	Coin Meter	Australia .20/5
	TU20150	Coin Meter	Australia 1/15
	TU20151	Coin Meter	US .25/10; 60 Hertz
	TU20152	Coin Meter	Standard 118-1; 60 Hertz
	TU20153	Coin Meter	Standard 118-5; 60 Hertz
	TU20154	Coin Meter	US .25/10; 50 Hertz
	TU20155	Coin Meter	South Africa .20/10
	TU20158	Coin Meter	England 20 Pence
	TU20159	Coin Meter	Denmark 1 Krone
	TU20160	Coin Meter	Standard 118-1; 50 Hertz
	TU20161	Coin Meter	Standard 118-5/10; 50 Hertz
	TU20156	Coin Meter	Euro .20
	TU20157	Coin Meter	Euro .50
8	TU20849	Washer	3 required
9	TU20677	Shroud	Rotary drop
10	TU20186	Control Plate Assembly	
11	TU20695	Screw	2 required
12	TU20616	Overlay	Text and icon
13	TU20486	Indicator Light	
14	TU20673	Start Switch	
15	TU20773	Temperature Knob	
16	TU20682	Screw	
17	TU20397	Ground Wire	
18	TU20396	Ground Terminal	
19	TU20131	Circuit Board Support	4 required
20	TU20187	Control Timer Board	
21	TU20775	Temperature Switch	Potentiometer
22	TU20582	Bracket	



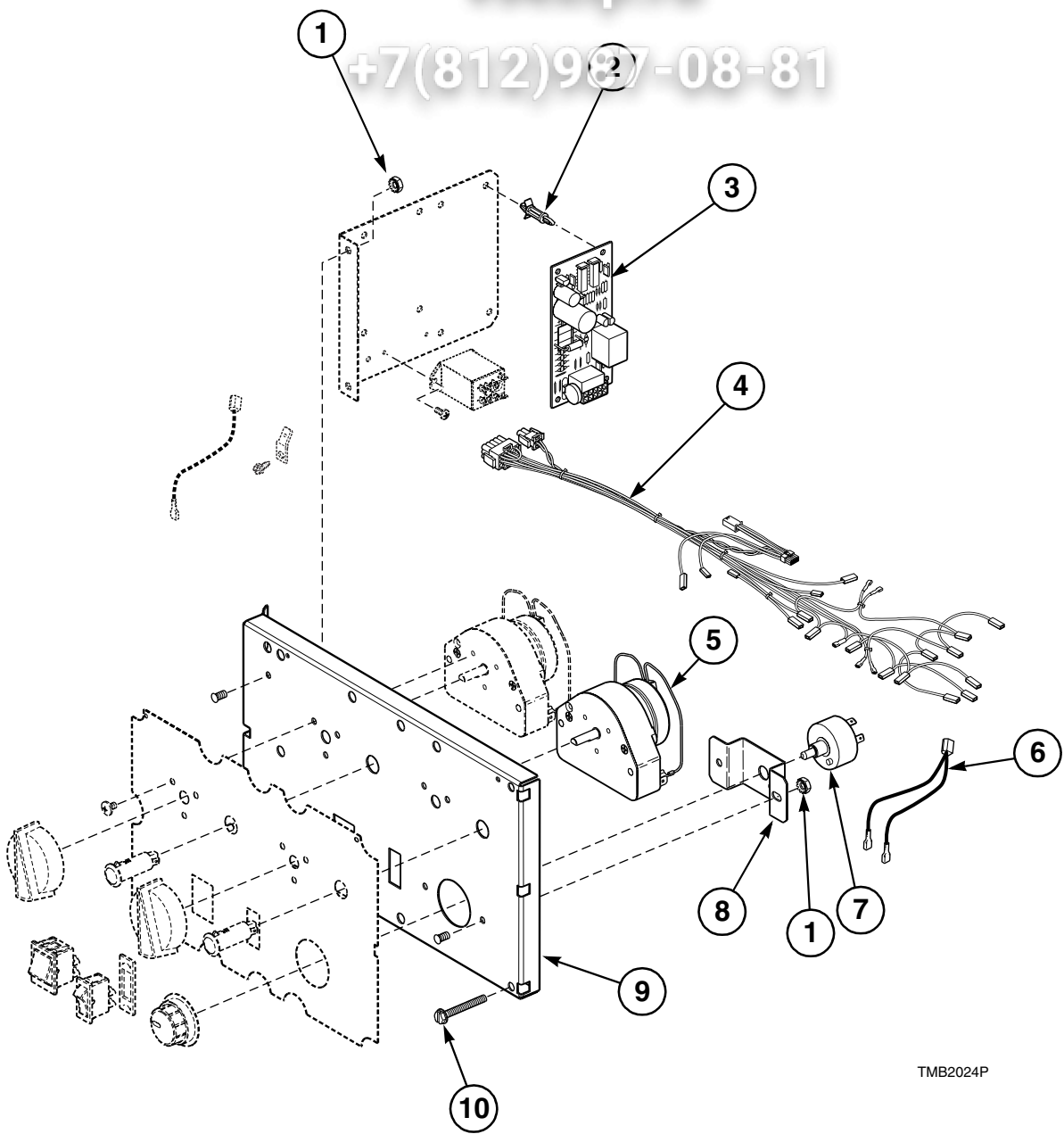
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Coin Meter

REF	PART #	DESCRIPTION	COMMENTS
1		Coin Meter	Refer to page 9
2	TU20739	Spring Return	
3	TU20144	Coil Spring	
4	TU20803	Timer Motor	30 Hertz
	TU20804	Timer Motor	50 Hertz
5	TU20759	Switch	Heat
6	TU20758	Switch	Run
7	TU20162	Coin Meter Drive	
8	TU20805	Timing Cam	10-Pin; 6 minutes
	TU20806	Timing Cam	12-Pin; 5 minutes
	TU20807	Timing Cam	2-Pin; 30 minutes
	TU20808	Timing Cam	3-Pin; 20 minutes
	TU20809	Timing Cam	4-Pin; 15 minutes
	TU20810	Timing Cam	5-Pin; 12 minutes
	TU20811	Timing Cam	6-Pin; 10 minutes
	TU20812	Timing Cam	7-Pin; 8.5 minutes
	TU20813	Timing Cam	8-Pin; 7.5 minutes
	TU20814	Timing Cam	9-Pin; 6.6 minutes
9	TU20163	Coin Retainer Spring	
10	TU20145	Coin Carrier Spring	

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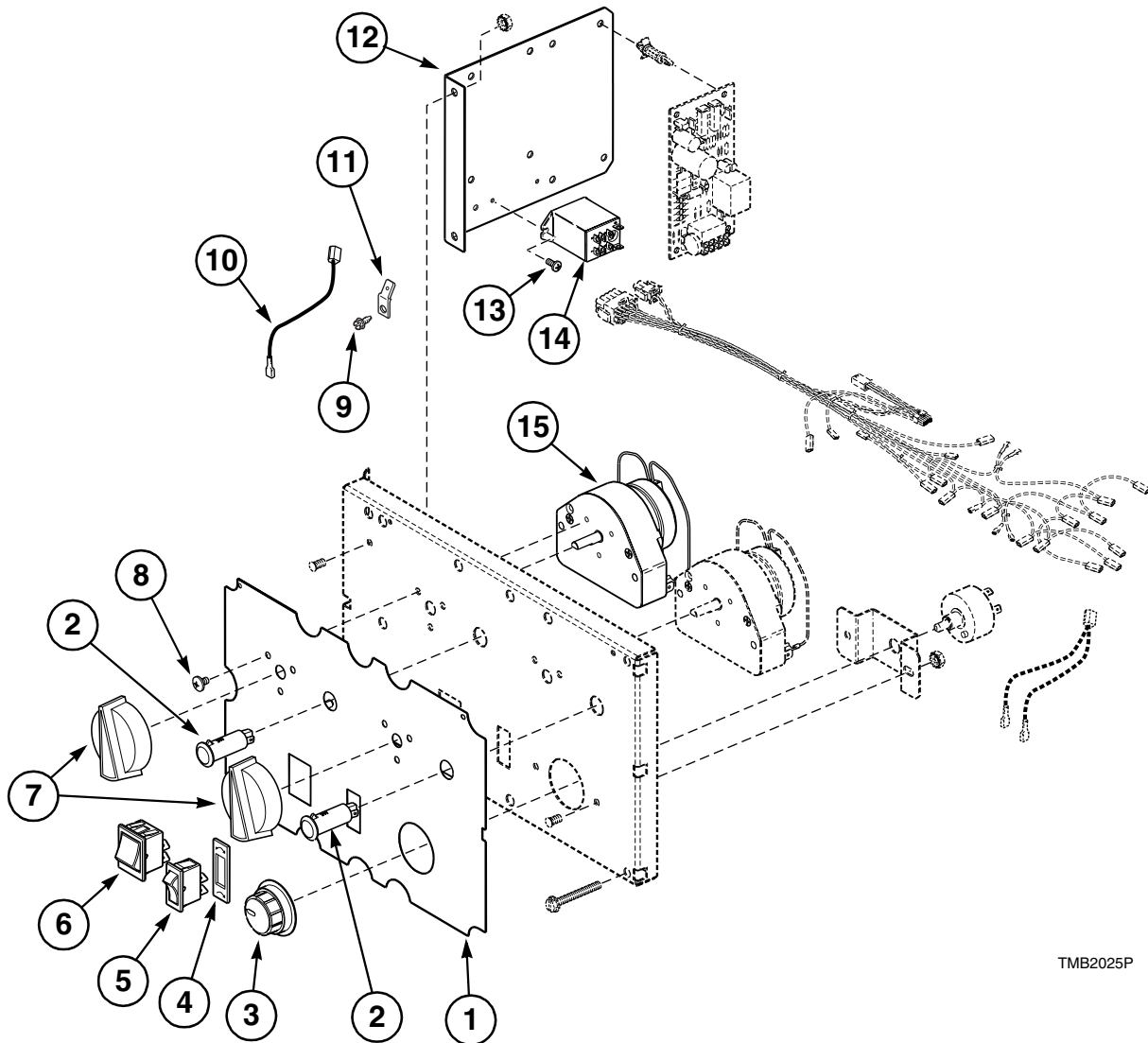


TMB2024P

Manual Dual Timer Controls

Page 1 of 2

REF	PART #	DESCRIPTION	COMMENTS
1	TU20598	Nut	4 required
2	TU20130	Circuit Board Support	4 required
3	TU20772	Temperature Control Board	
4	TU20176	Control Panel Harness	Nonreversing; Non-EU models
	TU20177	Control Panel Harness	Reversing; Non-EU models
	TU20179	Control Panel Harness	Nonreversing; EU models; Electric
	TU20180	Control Panel Harness	Reversing; EU models; Electric
	TU20181	Control Panel Harness	Nonreversing; EU models; Gas and steam
	TU20182	Control Panel Harness	Reversing; EU models; Gas and steam
5	TU20794	Timer	Heat; 60 Hertz
	TU20800	Timer	Heat; 50 Hertz
6	TU20112	Calibration Jumper	
7	TU20774	Temperature Switch	Potentiometer
8	TU20582	Bracket	
9	TU20185	Control Plate Assembly	Includes self-clinching studs
10	TU20695	Screw	2 required



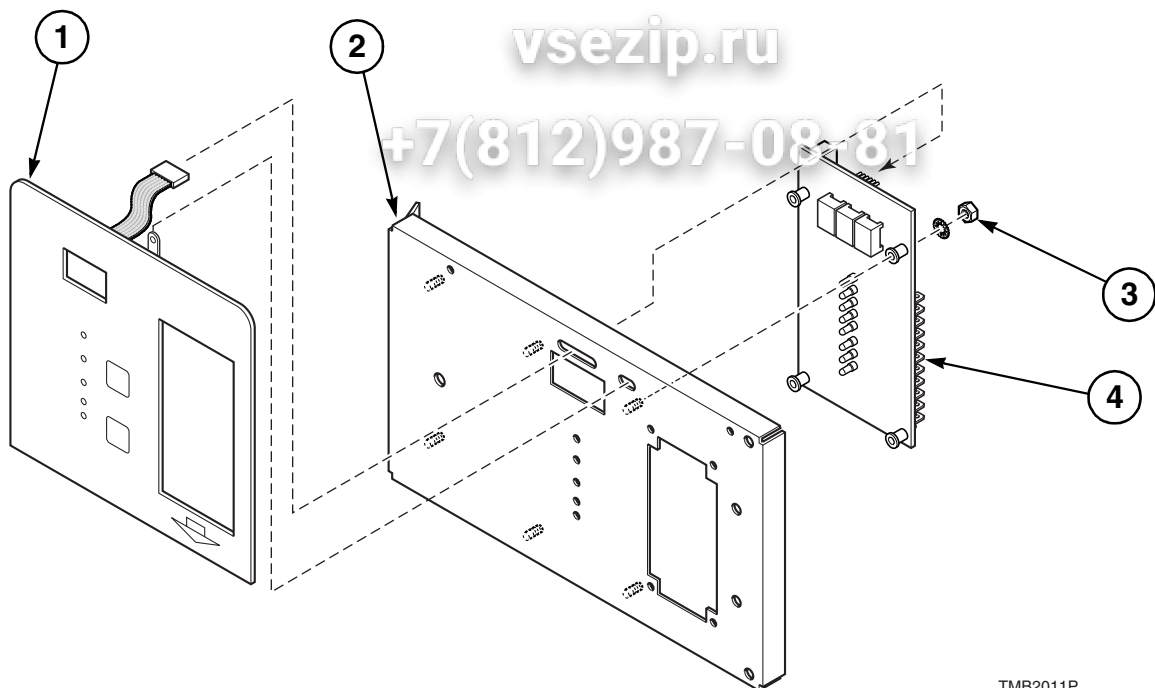
TMB2025P

Manual Dual Timer Controls

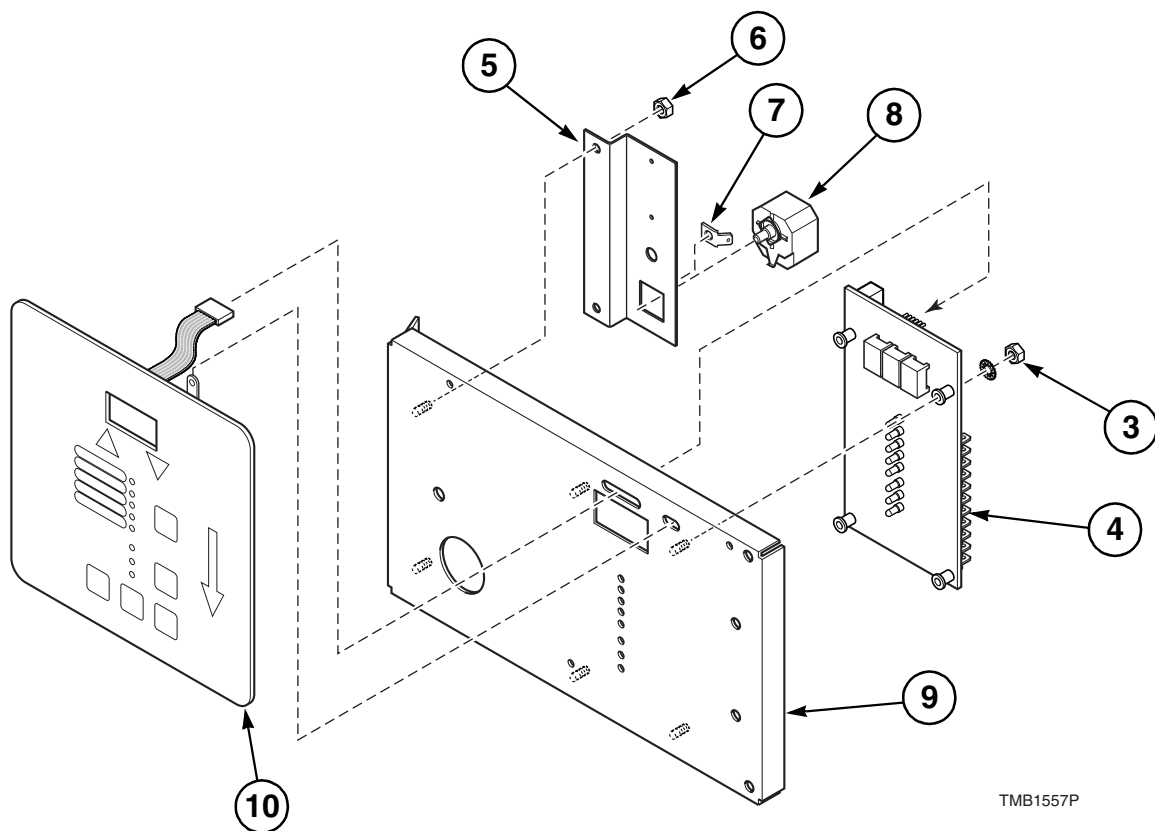
Page 2 of 2

REF	PART #	DESCRIPTION	COMMENTS
1	TU20173	Control Overlay	Non-rev.sing
	TU20174	Control Overlay	Reversing
2	TU20486	Indicator Light	
3	TU20773	Temperature Knob	
4	TU20762	Switch Plate	Reversing
5	TU20674	Rocker Switch	Reversing
6	TU20673	Rocker Switch	Push to start
7	TU20802	Timer Knob	
8	TU20719	Screw	3 required per timer
9	TU20682	Screw	
10	TU20397	Ground Wire	
11	TU20396	Ground Terminal	
12	TU20083	Temperature Control Bracket	
13	TU20716	Screw	Non-EU models; 2 required
14	TU20647	Relay	Non-EU models
15	TU20796	Timer	15 minute; Cooling; 60 Hertz
	TU20798	Timer	15 minute; Cooling; 50 Hertz

DMP Control



Coin



OPL

DMP Control

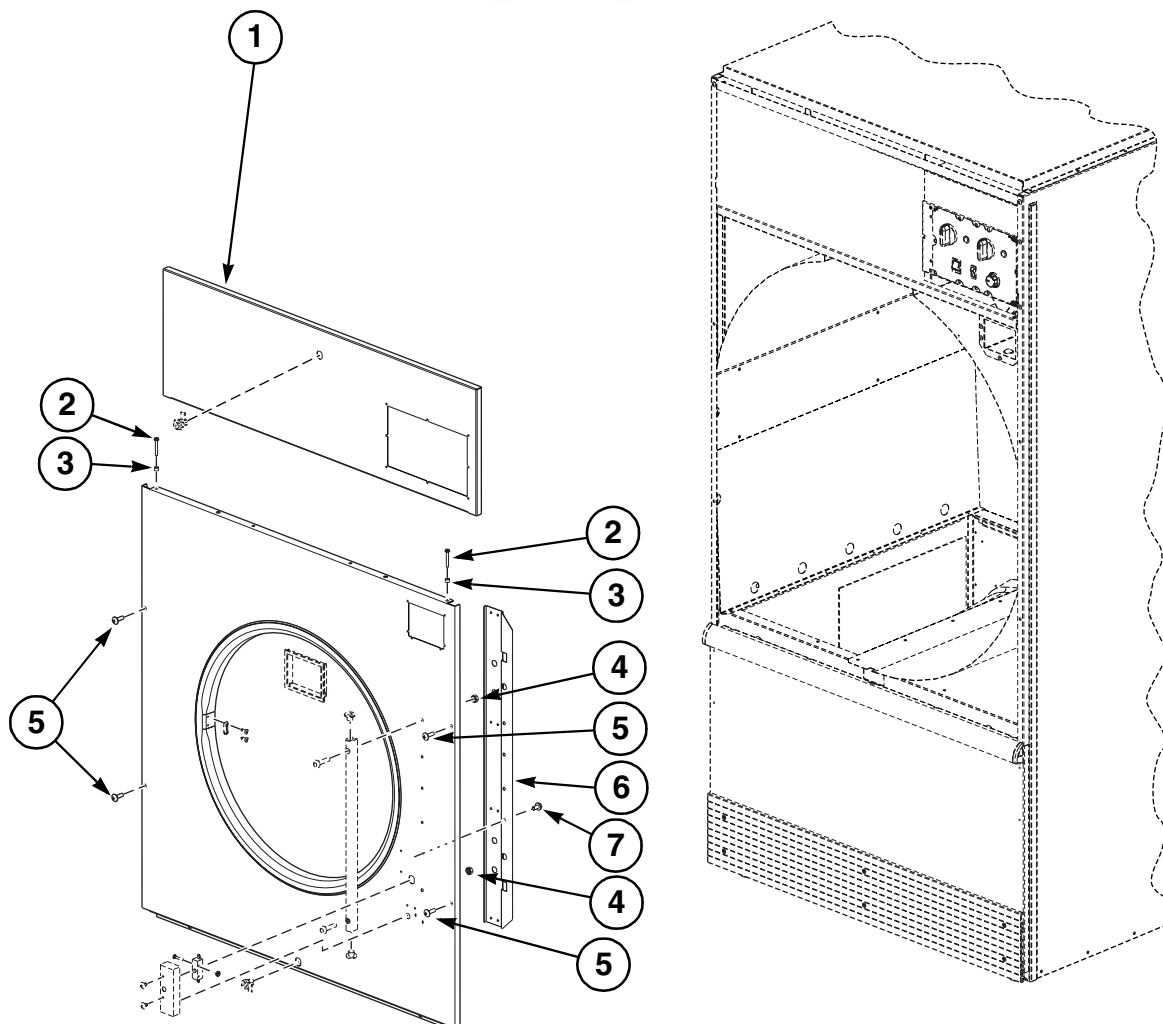
REF	PART #	DESCRIPTION	COMMENTS
	TU20045	Control Mounting Bracket Assembly	Coin; Includes items 1 through 4
	TU20528	Control Mounting Bracket Assembly	OPL; Includes items 3 through 10
	TU20037	Control Panel Harness Assembly	Non-EU; Non-reversing
	TU20041	Control Panel Harness Assembly	Non-EU; Reversing
	TU20039	Control Panel Harness Assembly	EU
	TU20044	Jumper Assembly	Coin
	TU20043	Jumper Assembly	OPL; Buzzer
1	TU20764	Switch Membrane	Coin
2	TU20046	Control Plate Assembly	Coin; Includes studs
3	TU20897	Nut	
4	TU20000	Electronic Control	
5	TU20088	Relay/ Buzzer Bracket	
6	TU20589	Nut	
7	TU20396	Ground Terminal	
8	TU20122	Buzzer	
9	TU20047	Control Plate Assembly	OPL; Includes studs
10	TU20765	Switch Membrane	OPL

Cabinet Front Components

Page 1 of 2

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Cabinet Front Components

Page 1 of 2

REF	PART #	DESCRIPTION	COMMENTS
	TU20902	Front Panel Harness Assembly	All except EU models with control suffixes DO, MT, RD and RT
	TU20903	Front Panel Harness Assembly	With Emergency Stop Button; EU models with control suffixes DO, MT, RD and RT
	TU20141	Clip	4 required for Item 5 (on page 21) application
	TU20727	Shadow Box Clip	6 required for Item 10 (on page 21) application
	TU20720	Screw	6 required; Front panel attach
	TU20275	Expansion Clip	Upper and lower front panel attachment
1	TU20631*	Control Panel	Models with control suffixes CD, MT and RT
	TU20630	Control Panel	Stainless steel; Models with control suffixes CD, MT and RT
	TU20629*	Control Panel	Models with control suffixes DO, DV and RD
	TU20628	Control Panel	Stainless steel; Models with control suffixes DO, DV and RD
2	TU20681	Screw	
3	TU20619	Panel Locator	
4	TU20511	Nut	
5	TU20715	Screw	
6	TU20253	Door Switch Wire Channel	
7	TU20684	Screw	

* Add letter to designate color:

L - Almond

W - White

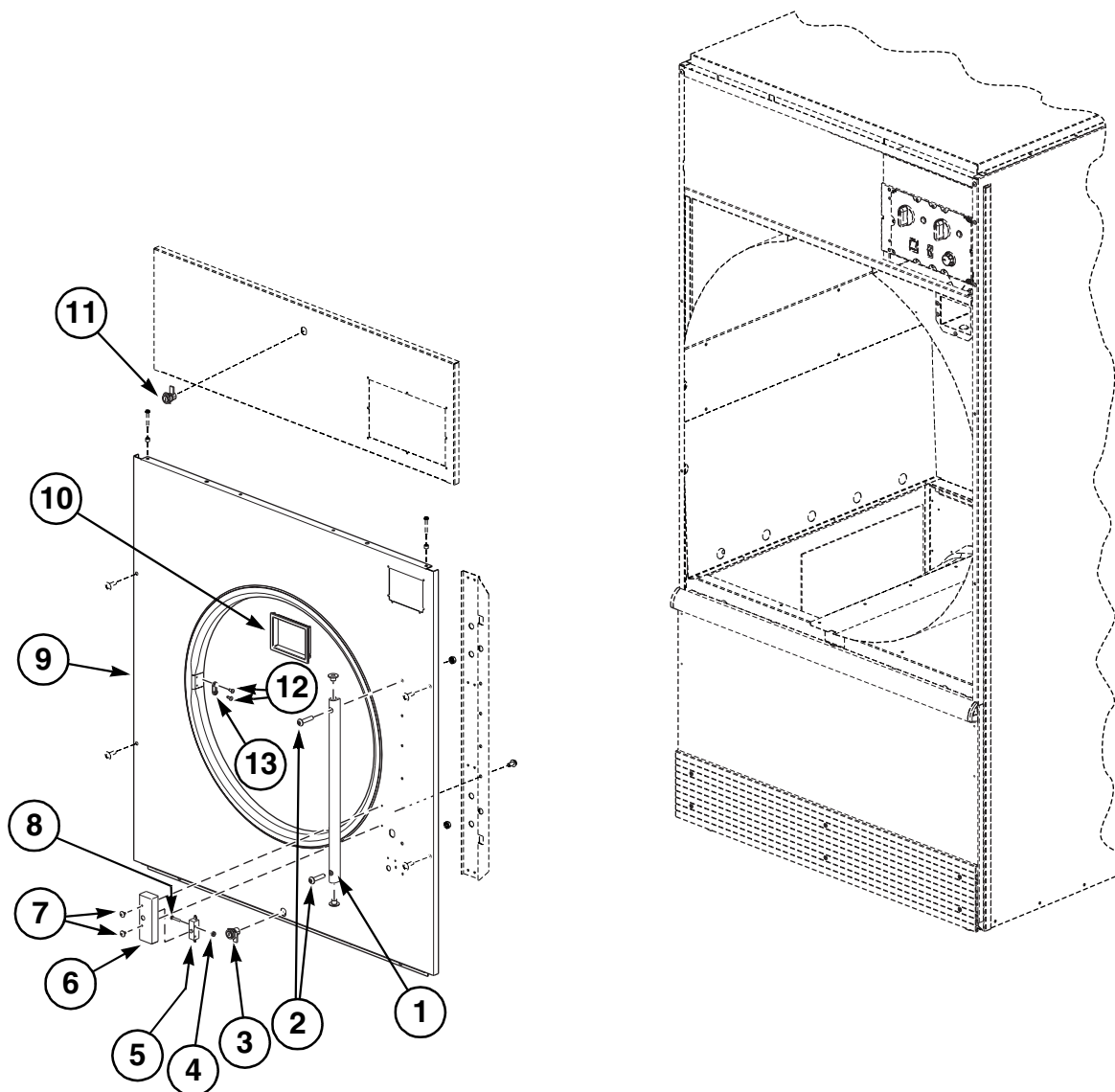
P - Turquoise

Cabinet Front Components

Page 2 of 2

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Cabinet Front Components

Page 2 of 2

REF	PART #	DESCRIPTION	COMMENTS
1	TU20242	Lug Hinge Assembly	Includes flanged bushings part number TU20242
2	TU20694	Screw	
3	TU20857	Lint Panel Lock	RL001; Coin and card models; Key part number TU20517
	TU20859	Lint Panel Lock	RL002; Standard coin and card models; Key part number TU20518
4	TU20591	Nut	
5	TU20757	Switch	Door
6	TU20252	Door Switch Cover	
7	TU20683	Screw	
8	TU20714	Screw	
9	TU20331*	Front Panel, OPL	Non-Coin; Non-EU models; Models with control suffixes DO, MT, RD and RT
	TU20332	Front Panel, OPL	Non-Coin; Non-EU models; Models with control suffixes DO, MT, RD and RT; Stainless steel
	TU20329*	Front Panel, Coin	Models with control suffixes CD and DV
	TU20330	Front Panel, Coin	Stainless steel; Models with control suffixes CD and DV
	TU20305*	Front Panel	Non-Coin; EU models; Models with control suffixes DO, MT, RD and RT
	TU20506	Front Panel	Non-Coin; EU models; Stainless steel; Models with control suffixes DO, MT, RD and RT
10	TU20165	Coin Vault Trim	
11	TU20857	Control Lock	RL001
12	TU20638	Pop-Dome Rivet	
13	TU20246	Door Latch	

* Add letter to designate color:

L - Almond

W - White

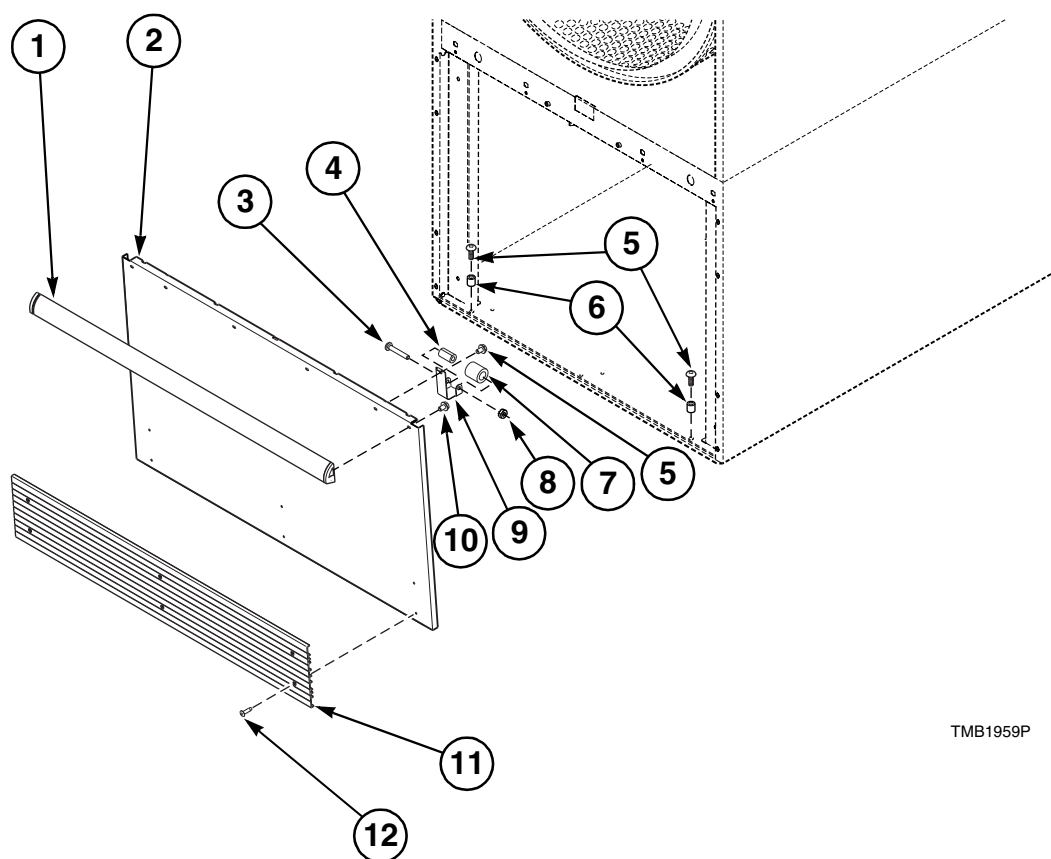
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Lower Front Cabinet Components

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Lower Front Cabinet Components

REF	PART #	DESCRIPTION	COMMENTS
1	TU20091	Bumper Assembly	Black; Includes endcaps
2	TU20534*	Lint Panel	
	TU20535	Lint Panel	Stainless steel
3	TU20696	Screw	
4	TU20735	Spacer	
5	TU20681	Screw	
6	TU20619	Panel Locator	
7	TU20852	Wheel	
8	TU20594	Nut	
9	TU20029	Arm	
10	TU20697	Screw	4 required
11	TU20521	Kickplate	Black
12	TU20637	Pop Rivet	6 required

* Add letter to designate color:

L - Almond

W - White

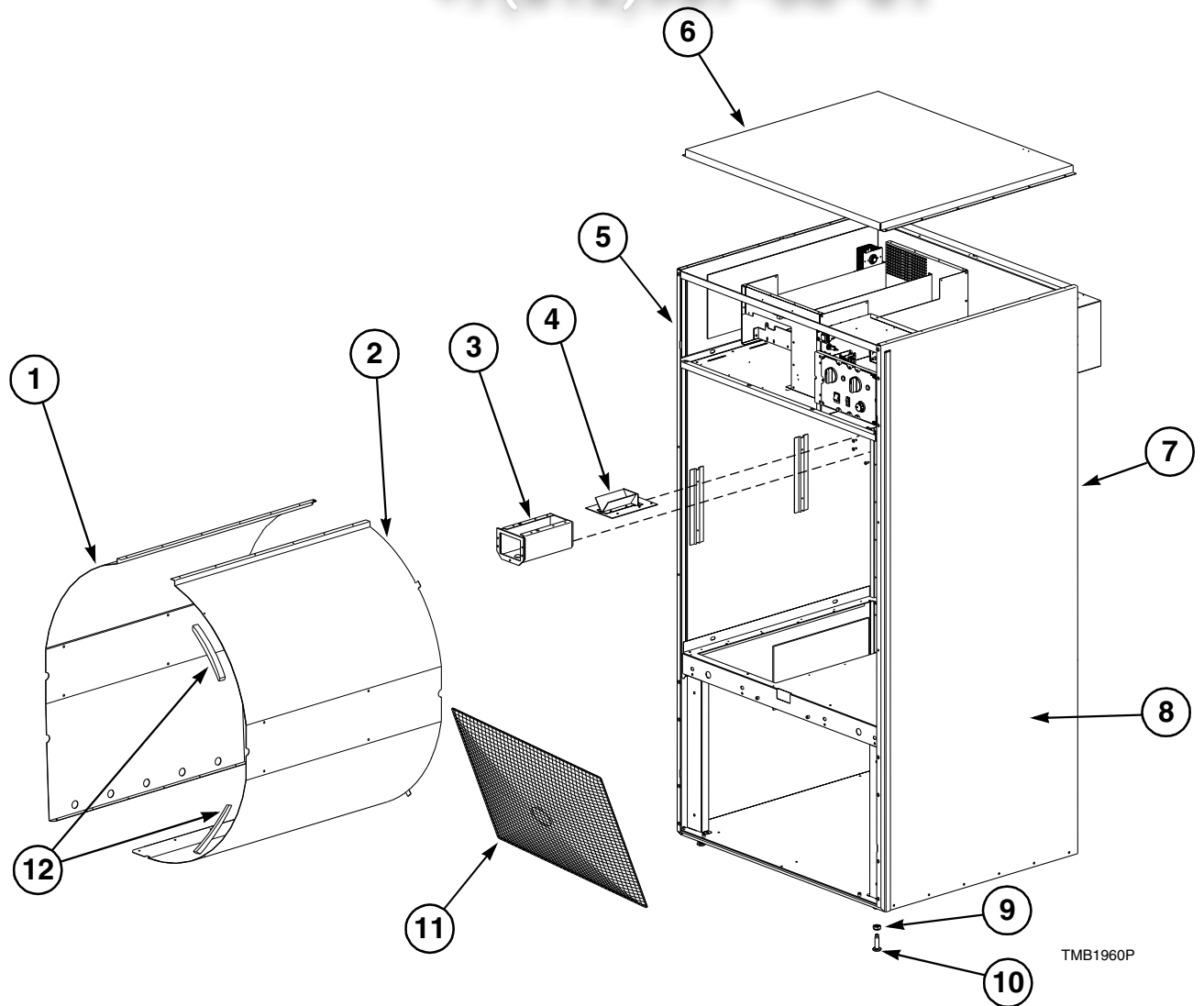
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Cabinet Components

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Cabinet Components

REF	PART #	DESCRIPTION	COMMENTS
1	TU20052	Baffle	Left
2	TU20050	Baffle	Right
3	TU20164	Coin Vault Assembly	
4	TU20146	Coin Chute Assembly	
5	TU20910*	Side Panel	Left
6	TU20815	Top Cover	Non-Steam models
	TU20818	Top Cover	Steam models
7	TU20912	Rear Panel Assembly	
8	TU20908*	Side Panel	Right
9	TU20593	Nut	
10	TU20702	Screw	Leveling leg
11	TU20548	Lint Screen	
12	TU20388	Baffle Gasket	

* Add letter to designate color:

L - Almond

W - White

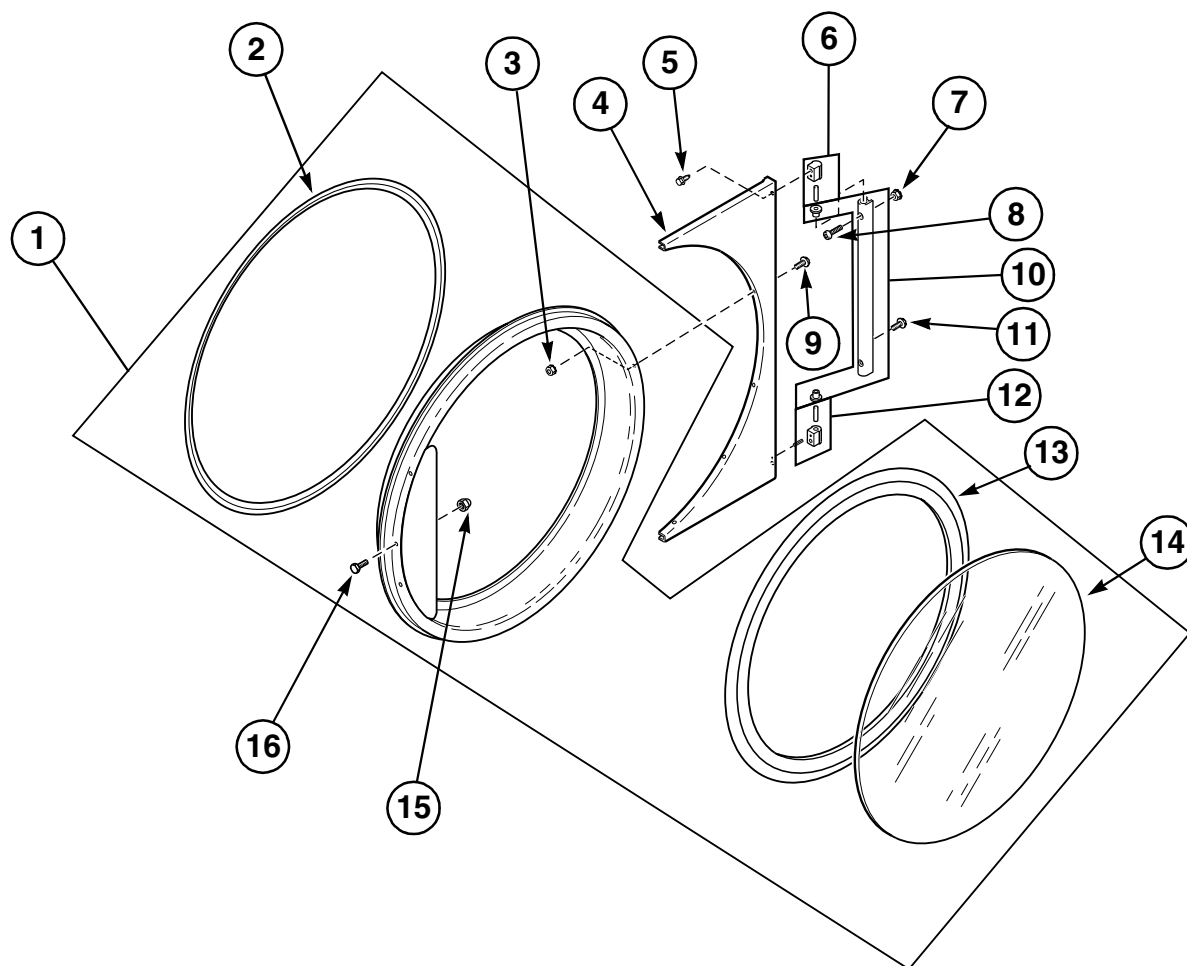
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Door and Hinge Components

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Door and Hinge Components

REF	PART #	DESCRIPTION	COMMENTS
1	TU20248	Door Assembly	
2	TU20247	Door Ring Gasket	Notched
3	TU20594	Nut	6 required
4	TU20240	Door Hinge	Stainless steel
5	TU20691	Screw	3 required, 2 in top cam and 1 in bottom
6	TU20244	Door Hinge Cam Assembly	Upper
7	TU20511	Nut	2 required
8	TU20694	Screw	2 required
9	TU20704	Screw	6 required
10	TU20242	Hinge Lug Assembly	Includes bushings
11	TU20684	Screw	4 required
12	TU20243	Door Hinge Cam Assembly	Lower
13	TU20239	Door Glass Seal	
14	TU20238	Door Glass	
15	TU20021	Acorn Nut	
16	TU20249	Door Strike Screw	

* Add letter to designate color:

L - Almond

W - White

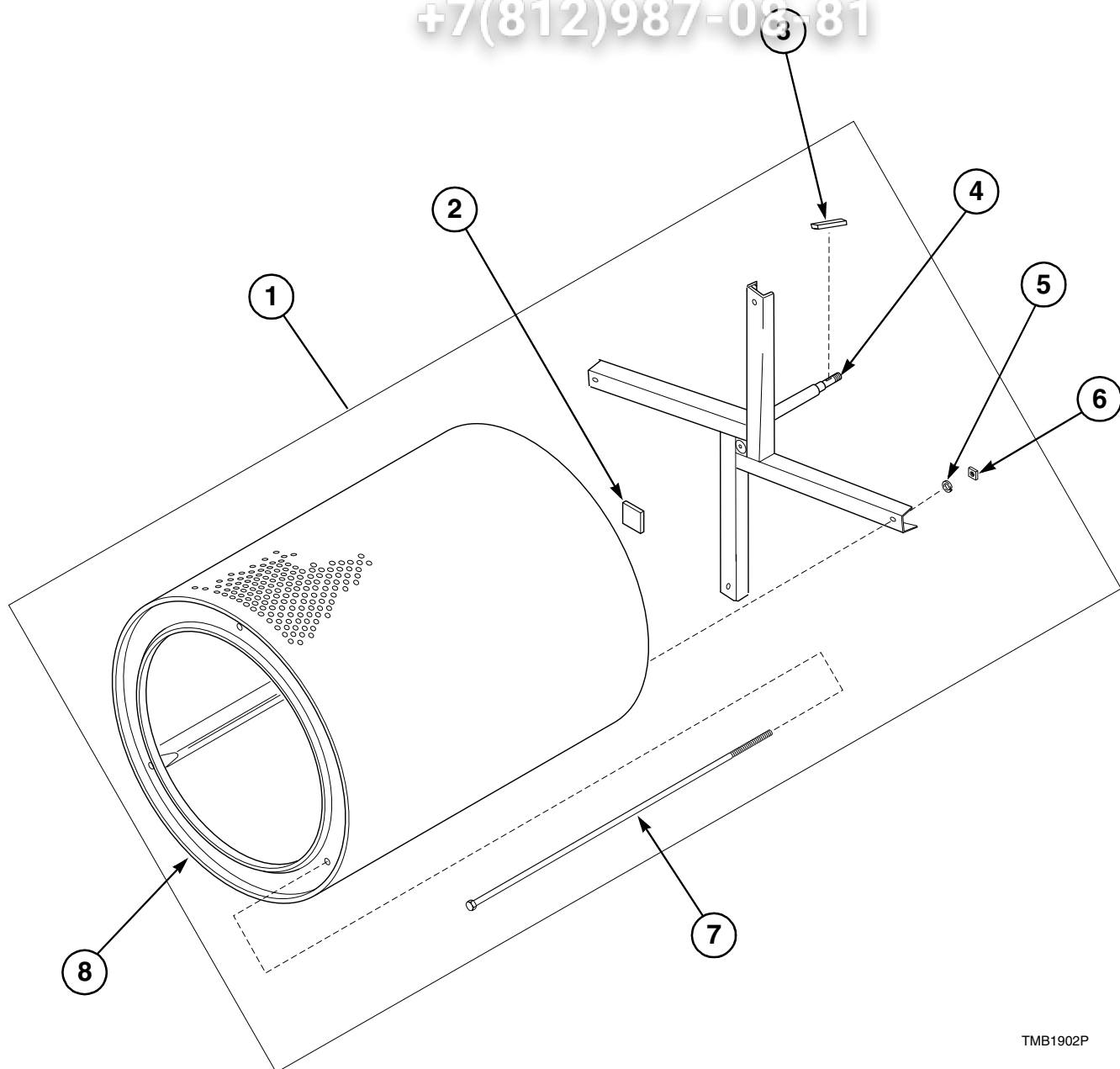
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Cylinder and Trunnion Assemblies

Всёобщий

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Cylinder and Trunnion Assemblies

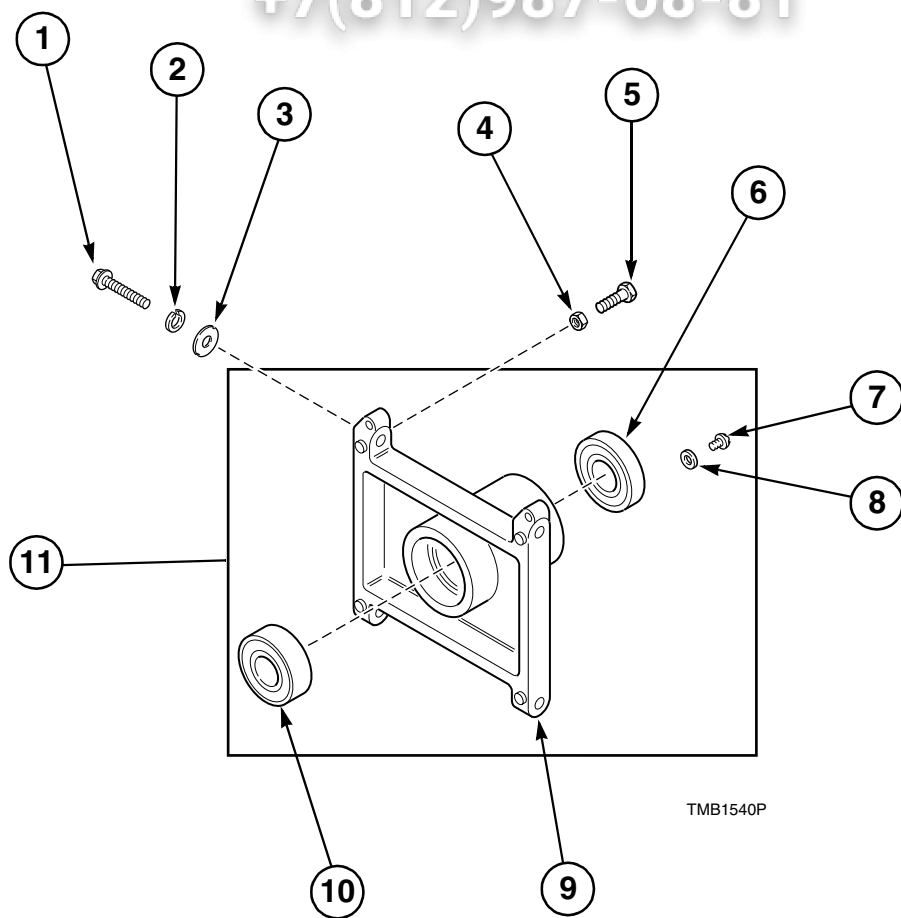
REF	PART #	DESCRIPTION	COMMENTS
	TU20736	Spacer	Adjustment between cylinder and trunnion
1	TU20198	Cylinder and Trunnion Assembly	Nonreversing
	TU20199	Cylinder and Trunnion Assembly	Nonreversing, Stainless steel
	TU20200	Cylinder and Trunnion Assembly	Reversing
	TU20201	Cylinder and Trunnion Assembly	Reversing, Stainless steel
2	TU20298	Felt Pad	
3	TU20512	Key	Half moon; Nonreversing
	TU20516	Key	Straight; Reversing
4	TU20830	Trunnion	Nonreversing
	TU20831	Trunnion	Reversing
5	TU20555	Lockwasher	
6	TU20607	Nut	
7	TU20669	Rib Rod	
8	TU20211	Cylinder Assembly	
	TU20212	Cylinder Assembly	Stainless steel

Trunnion Housing

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Trunnion Housing

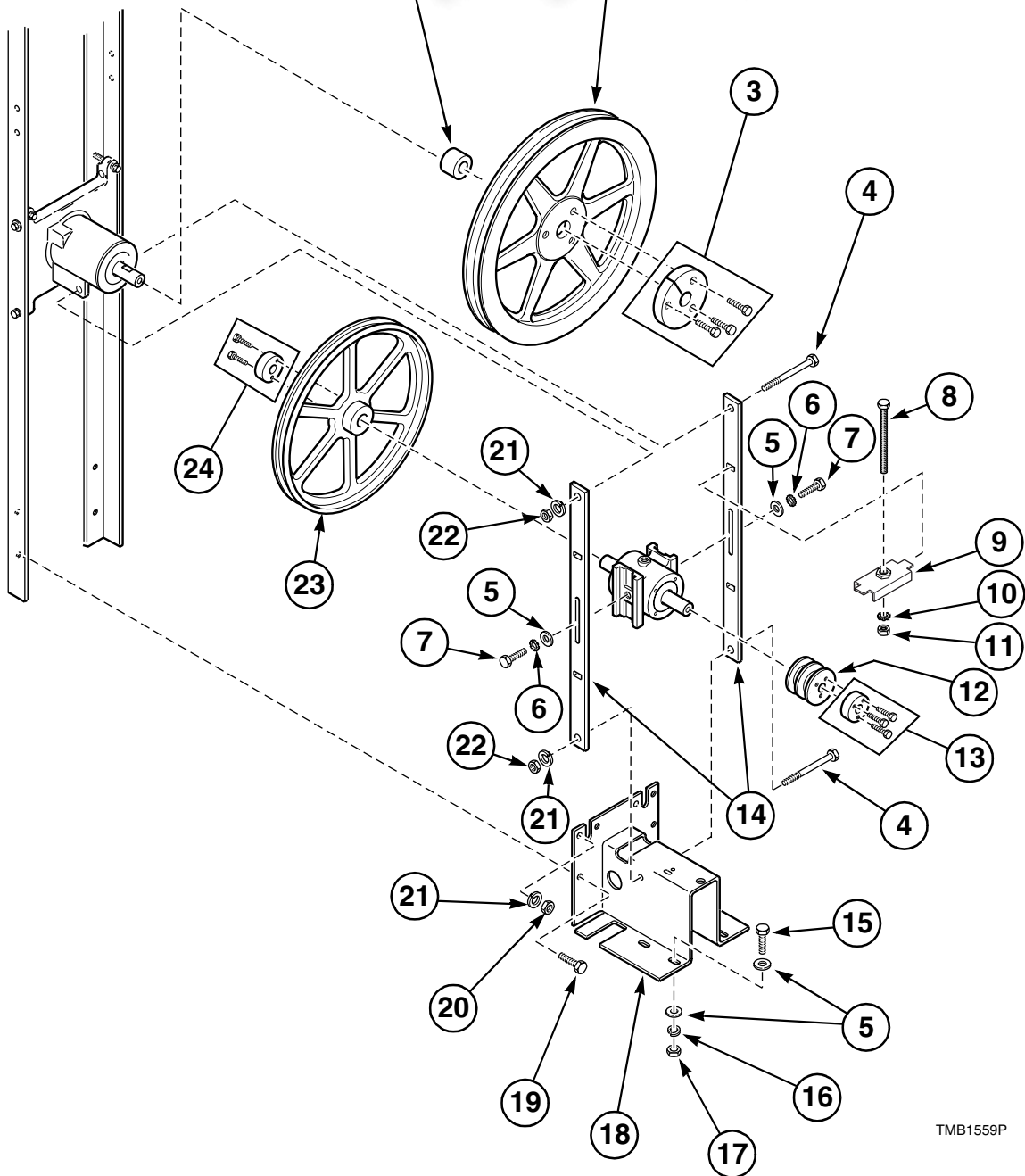
REF	PART #	DESCRIPTION	COMMENTS
1	TU20708	Screw	4 required
2	TU20555	Lockwasher	4 required
3	TU20850	Washer	4 required
4	TU20602	Nut	2 required
5	TU20080	Bolt	2 required
6	TU20059	Ball Bearing	
7	TU20700	Screw	4 required
8	TU20842	Washer	4 required
9	TU20833	Trunnion Housing	
10	TU20057	Ball Bearing	
11	TU20834	Trunnion Housing Assembly	

Drive Components For Reversing Models

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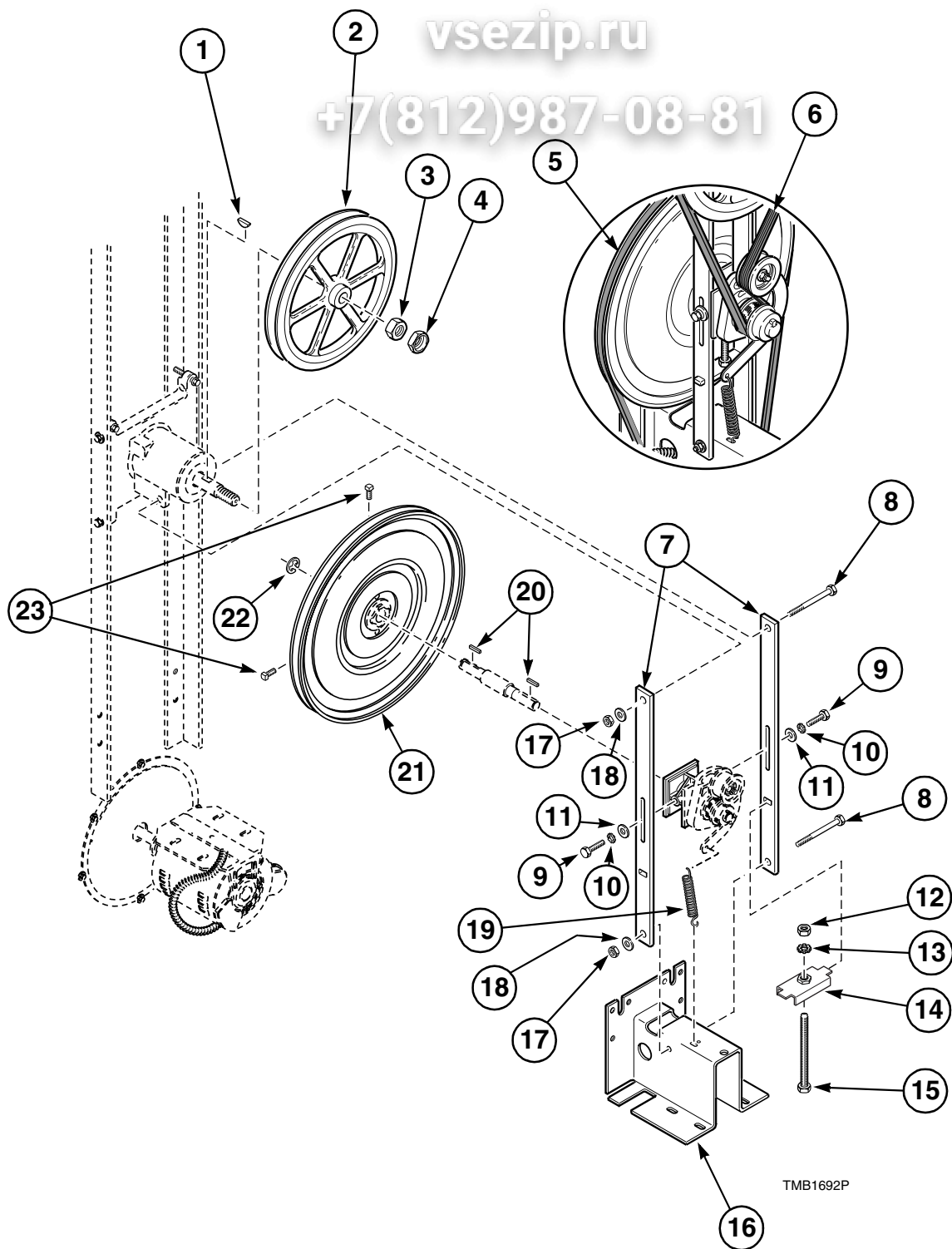
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Drive Components For Reversing Models

REF	PART #	DESCRIPTION	COMMENTS
	TU20571	Motor Mount Assembly	
	TU20069	Belt	Drive
	TU20068	Belt	2 required; Cylinder
	TU20073	Belt Guard Assembly	Main
	TU20071	Belt Guard	Upper
	TU20070	Belt Guard	Lower
1	TU20734	Spacer	
2	TU20641	Pulley	Double V cylinder sheave
3	TU20106	Bushing	Includes hardware
4	TU20707	Screw	
5	TU20846	Washer	10 required
6	TU20556	Lockwasher	2 required
7	TU20703	Screw	
8	TU20722	Screw	
9	TU20776	Tension Plate Assembly	
10	TU20557	Lockwasher	
11	TU20601	Nut	
12	TU20640	Pulley	
13	TU20108	Bushing	Includes hardware
14	TU20472	Idler Housing Guide Rail	
15	TU20706	Screw	
16	TU20553	Lockwasher	4 required
17	TU20490	Nut	4 required
18	TU20572	Motor Bracket	
19	TU20081	Bolt	2 required
20	TU20592	Nut	
21	TU20554	Lockwasher	
22	TU20602	Nut	2 required
23	TU20642	Pulley	Single V
24	TU20107	Bushing	Includes hardware

Idler Drive Components for Nonreversing Models



Idler Drive Components for Nonreversing Models

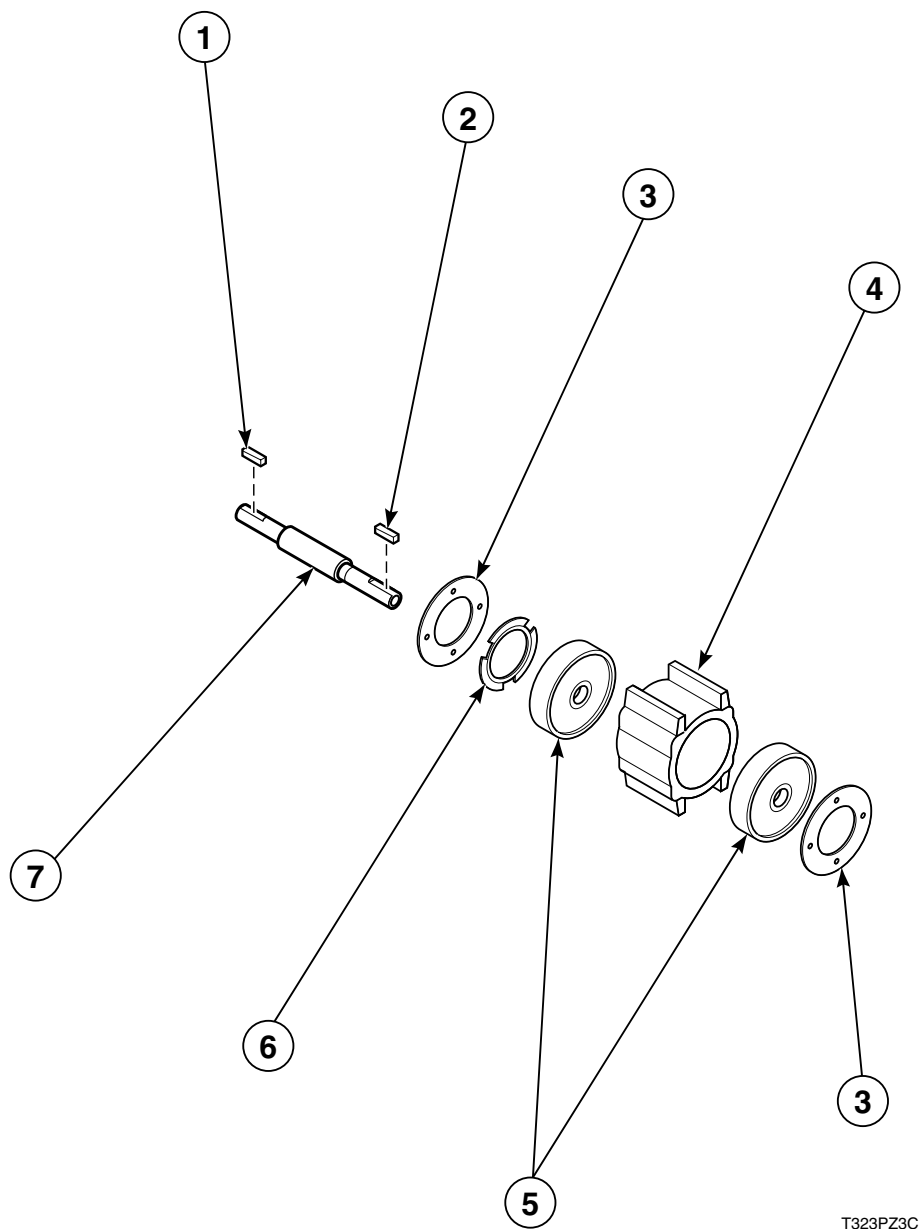
REF	PART #	DESCRIPTION	COMMENTS
	TU20072	Belt Guard Assembly	Not shown.
1	TU20512	Key	
2	TU20567	Micro V Sheave	
3	TU20491	Jam Nut	
4	TU20551	Lock Nut	
5	TU20067	Belt	
6	TU20565	Micro V Belt	
7	TU20472	Guide Rail	
8	TU20707	Screw	
9	TU20703	Screw	
10	TU20556	Lockwasher	
11	TU20846	Washer	
12	TU20601	Nut	
13	TU20557	Lockwasher	
14	TU20776	Tension Plate Assembly	
15	TU20722	Screw	
16	TU20572	Motor Bracket	
17	TU20602	Nut	
18	TU20554	Lockwasher	
19	TU20278	Extension Spring	
20	TU20515	Key	
21	TU20728	Sheave	Includes items 20 and (2) of 23
22	TU20670	Ring	
23	TU20726	Setscrew	

Idler Housing Assembly for Reversing Models

Всёобщение

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Idler Housing Assembly for Reversing Models

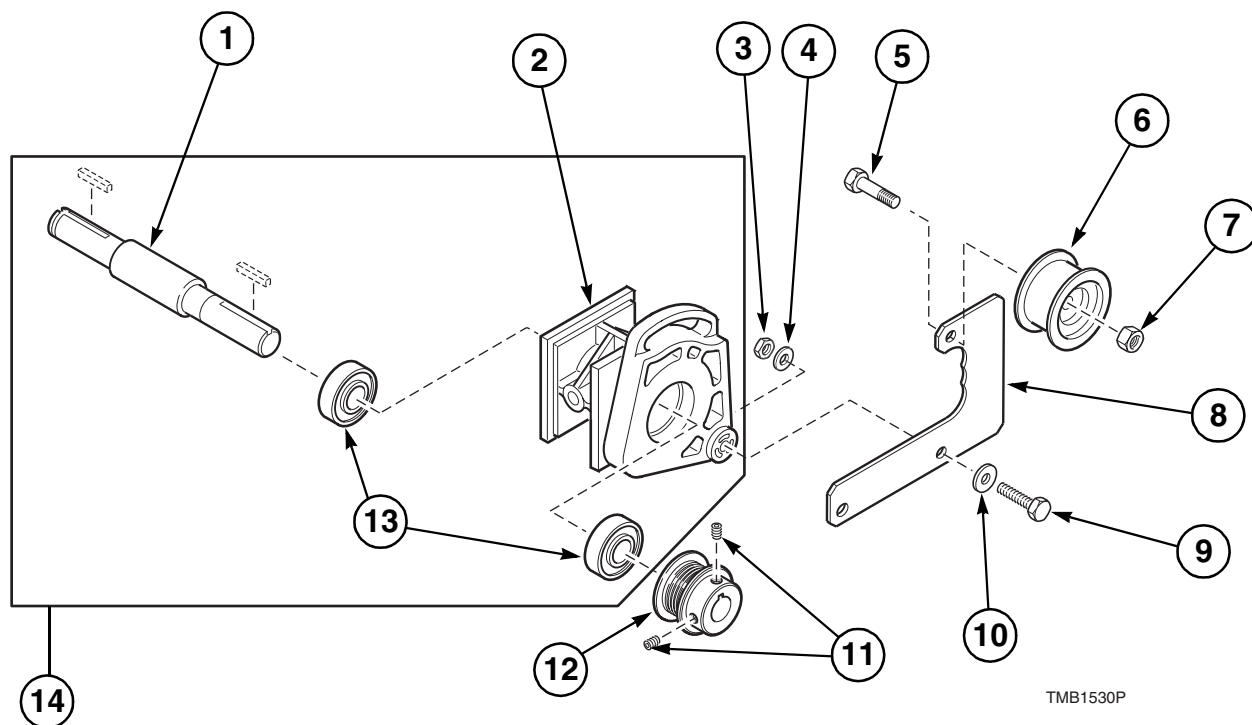
REF	PART #	DESCRIPTION	COMMENTS
	TU20700	Screw	Not shown, 8 required; Used on bearing retainer
	TU20473	Idler Housing Kit	
1	TU20515	Key	
2	TU20513	Key	
3	TU20064	Bearing Retainer	
4	TU20470	Idler Housing	
5	TU20058	Ball Bearing	
6	TU20550	Loading Spring	
7	TU20476	Idler Shaft	

Idler Housing Assembly For Nonreversing Models

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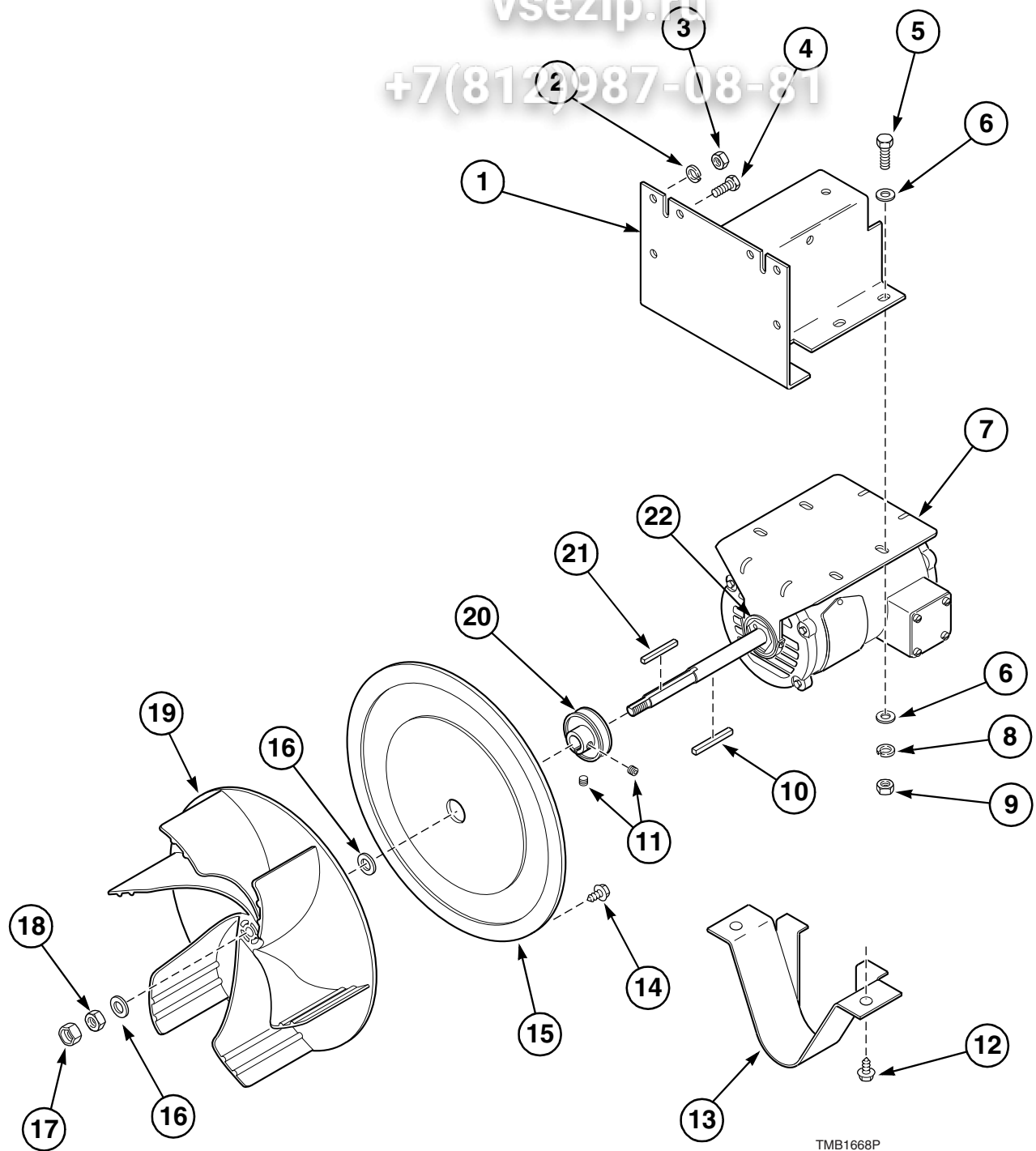
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Idler Housing Assembly For Nonreversing Models

REF	PART #	DESCRIPTION	COMMENTS
1	TU20475	Idler Shaft	
2	TU20469	Idler Housing	
3	TU20596	Nut	
4	TU20849	Washer	
5	TU20114	Screw	
6	TU20477	Idler Wheel	
7	TU20597	Nut	
8	TU20468	Idler Arm	
9	TU20082	Bolt	
10	TU20843	Washer	
11	TU20711	Setscrew	
12	TU20566	Micro V Pulley	
13	TU20062	Bearing	
14	TU20471	Idler Housing Assembly	

Fan and Motor Components



Fan and Motor Components

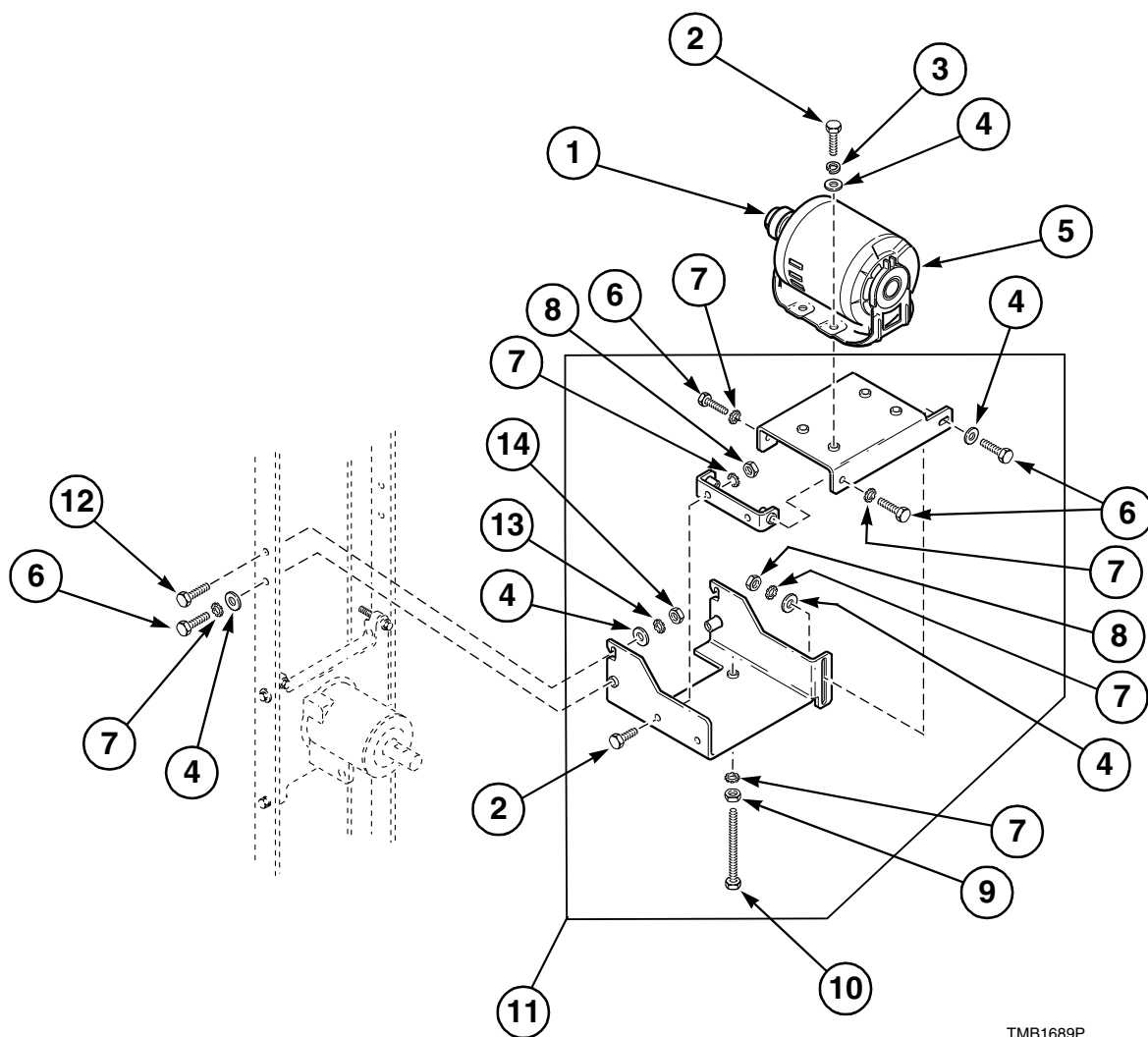
REF	PART #	DESCRIPTION	COMMENTS
	TU20570	Motor Hardware Kit	Includes items 2, 4, 15, 21, 22
	TU20296	Fan Motor Harness	EU models; 1 Phase
	TU20295	Fan Motor Harness	EU models; 3 Phase
	TU20293	Fan Motor Harness	Non-EU models; 2 wire; 120 Volt/60 Hertz/1 Phase and 230-240/240 Volt/50 Hertz/1 Phase
	TU20294	Fan Motor Harness	Non-EU models; 3 wire; Gas and steam: 208-240 Volt/60 Hertz/1 Phase; Electric: 200-208 Volt/60 Hertz/3 Phase, 240 Volt/60 Hertz/3 Phase and 240 Volt/50 Hertz/3 Phase
	TU20297	Fan Motor Harness	Non-EU models; Gas and steam: 200 Volt/50 Hertz/3 Phase, 380 Volt/50 Hertz/3 Phase Electric: 480 Volt/60 Hertz/3 Phase
1	TU20572	Motor Mounting Bracket	
2	TU20554	Lockwasher	
3	TU20592	Nut	
4	TU20081	Bolt	2 required
5	TU20706	Screw	
6	TU20846	Washer	
7		Fan Motor	Refer to Motor Usage Table on page 128
8	TU20553	Lockwasher	
9	TU20490	Nut	
10	TU20513	Key	Included in TU20570 Motor Hardware Kit
11	TU20070	Belt Guard	
12	TU20711	Screw	Supplied with pulley
13	TU20682	Screw	
14	TU20718	Screw	7 required
15	TU20282	Fan Housing Cover	
16	TU20847	Washer	Included in TU20570 Motor Hardware Kit
17	TU20617	Nut	Included in TU20570 Motor Hardware Kit
18	TU20492	Nut	Included in TU20570 Motor Hardware Kit
19	TU20280	Fan	50 Hertz; Gas and steam 60 Hertz; Includes key
	TU20279	Fan	Electric 60 Hertz; Includes key
20	TU20579	Motor Pulley	60 Hertz; Nonreversing
	TU20580	Motor Pulley	50 Hertz; Nonreversing
21	TU20514	Key	Included in TU20570 Motor Hardware Kit
22	TU20574	Motor Mounting Ring Kit	2 per package

Reversing Cylinder Drive Motor and Components

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Reversing Cylinder Drive Motor and Components

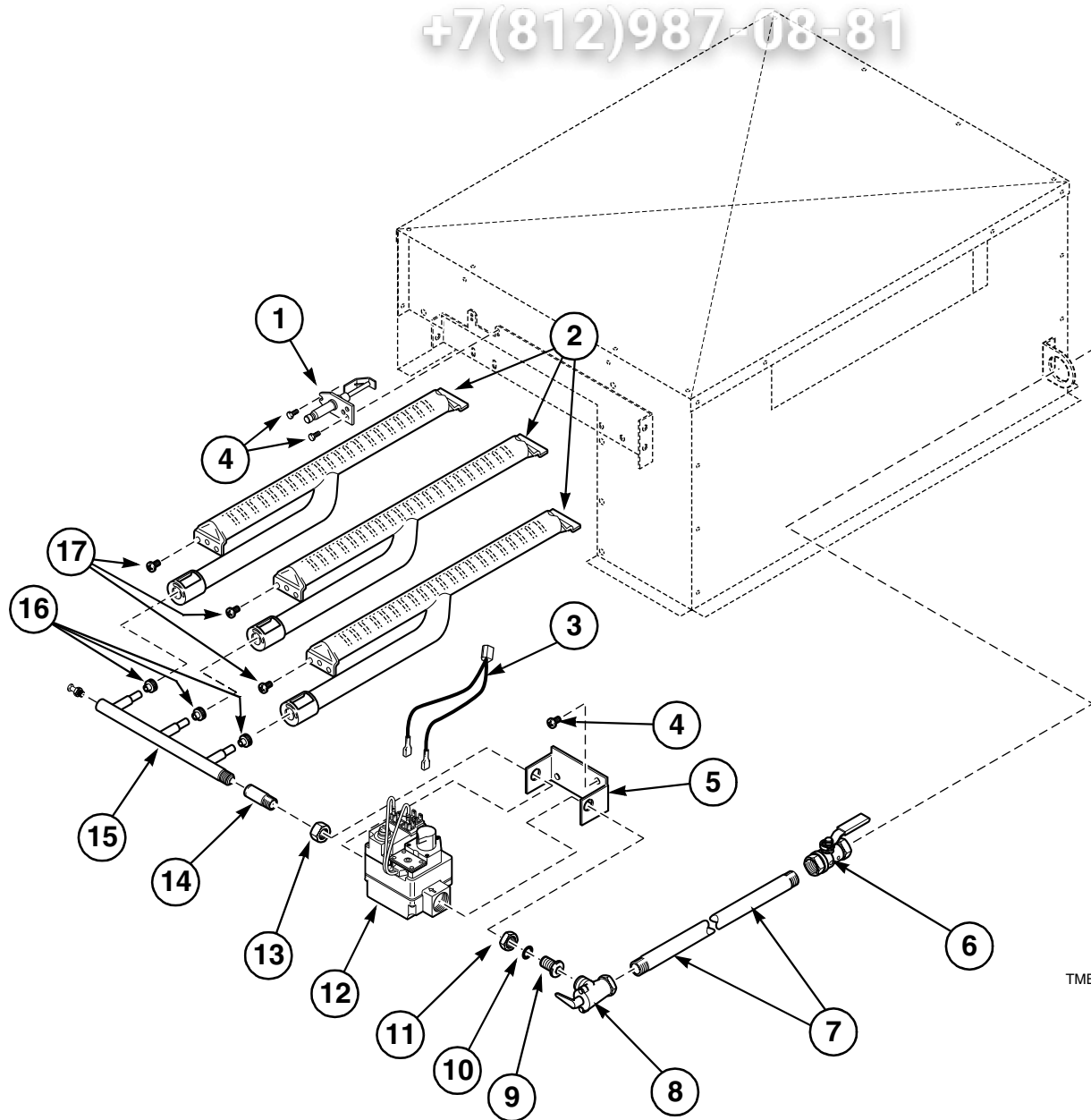
REF	PART #	DESCRIPTION	COMMENTS
	TU20222	Cylinder Motor Harness	EU models; 1 Phase
	TU20223	Cylinder Motor Harness Assembly	EU models; 3 Phase
	TU20224	Cylinder Motor Harness Assembly	Non-EU models; 1 Phase
	TU20225	Cylinder Motor Harness Assembly	Non-EU models; 3 Phase
1	TU20643	Pulley	60 Hertz
	TU20644	Pulley	50 Hertz
2	TU20706	Screw	6 required
3	TU20553	Lockwasher	4 required
4	TU20846	Washer	8 required
5		Cylinder Drive Motor	Refer to Motor Usage Table on page 128
6	TU20705	Screw	5 required
7	TU20552	Lockwasher	8 required
8	TU20600	Nut	3 required
9	TU20490	Jam Nut	
10	TU20724	Screw	
11	TU20571	Motor Mount Assembly	Includes Items 2, 4, 6, 7, 8, 9, 10, 13 and 14
12	TU20678	Screw	2 required
13	TU20556	Lockwasher	2 required
14	TU20592	Nut	2 required

Gas Heater Components

Front View

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Gas Heater Components

Front View

REF	PART #	DESCRIPTION	COMMENTS
1	TU20737	Spark Igniter	Non-Australian models
	TU20738	Spark Igniter	Australian models
2	TU20092	Burner	3 required
3	TU20386	Gas Valve Harness	Non-EU and Non-Australian models
	TU20387	Gas Valve Harness	EU and Australian models
4	TU20682	Screw	2 required
5	TU20382	Gas Valve Bracket	EU and Australian models
	TU20379	Gas Valve Bracket	Non-EU and Non-Australian models
6	TU20563	Ball Valve	EU models
7	TU20590	Nipple	
8	TU20729	Shutoff Valve	Non-EU models
	TU20370	Gas Piping Elbow	EU models
9	TU20742	Tailpiece	½ Male NPT
	TU20769	Tailpiece	EU models
10	TU20028	Anti-Torque Ring	Included with Item 8
11	TU20605	Nut	Included with Item 8
12	TU20373	Gas Valve	Natural Gas; Australian models
	TU20374	Gas Valve	L.P. Gas; Australian models
	TU20375	Gas Valve	Natural Gas; EU models
	TU20376	Gas Valve	L.P. Gas; EU models
	TU20377	Gas Valve	Natural Gas; Non-EU and Non-Australian models
	TU20378	Gas Valve	L.P. Gas; Non-EU and Non-Australian models
13	TU20604	Nut	
14	TU20561	Manifold Pipe	Australian models
	TU20562	Manifold Pipe	EU models
	TU20560	Manifold Pipe	Non-EU and Non-Australian models
15	TU20741	Spud Holder	
16	TU20100	*Burner Orifice, #44, 2.2 mm	L.P. Gas; 0-2000 feet; Non-EU models; 3 required
	TU20101	*Burner Orifice, #45, 2.1 mm	L.P. Gas; 2001-4000 feet; Non-EU models; 3 required
	TU20102	*Burner Orifice, #46, 2.1 mm	L.P. Gas; 4001-6000 feet; Non-EU models; 3 required
	TU20103	*Burner Orifice, #47, 2.0 mm	L.P. Gas; 6001-8000 feet; Non-EU models; 3 required
	TU20104	*Burner Orifice, #48, 1.9 mm	L.P. Gas; 8001-10000 feet; Non-EU models; 3 required
	TU20095	*Burner Orifice, #28, 3.6 mm	Natural Gas; 0-2000 feet; Non-EU models; 3 required
	TU20096	*Burner Orifice, #29, 3.4 mm	Natural Gas; 2001-4000 feet; Non-EU models; 3 required
	TU20097	*Burner Orifice, #30, 3.3 mm	Natural Gas; 4001-6000 feet; Non-EU models; 3 required
	TU20097	*Burner Orifice, #30, 3.3 mm	Natural Gas; 6001-8000 feet; Non-EU models; 3 required
	TU20098	*Burner Orifice, #31, 3.0 mm	Natural Gas; 8001-10000 feet; Non-EU models; 3 required
17	TU20701	Screw	6 required

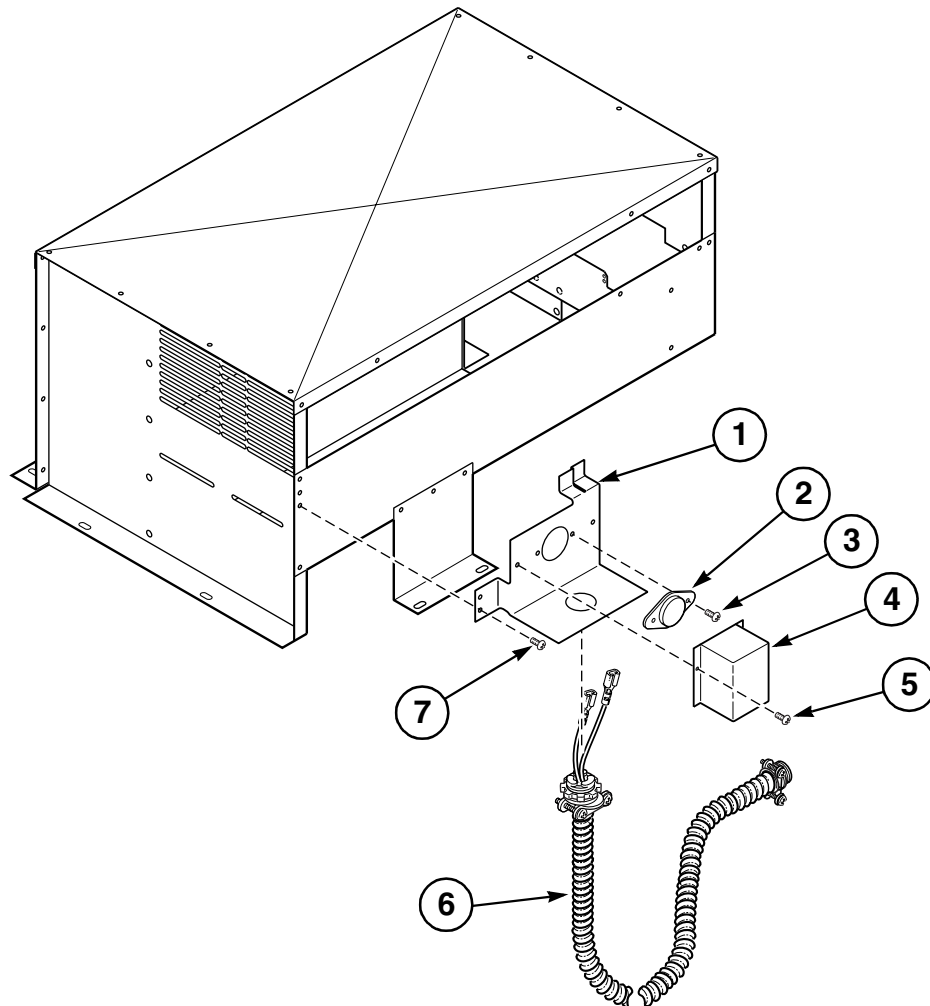
***For EU gas and orifice information, refer to Install Manual, 70272401**

Gas Heater Components

Rear View

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Gas Heater Components

Rear View

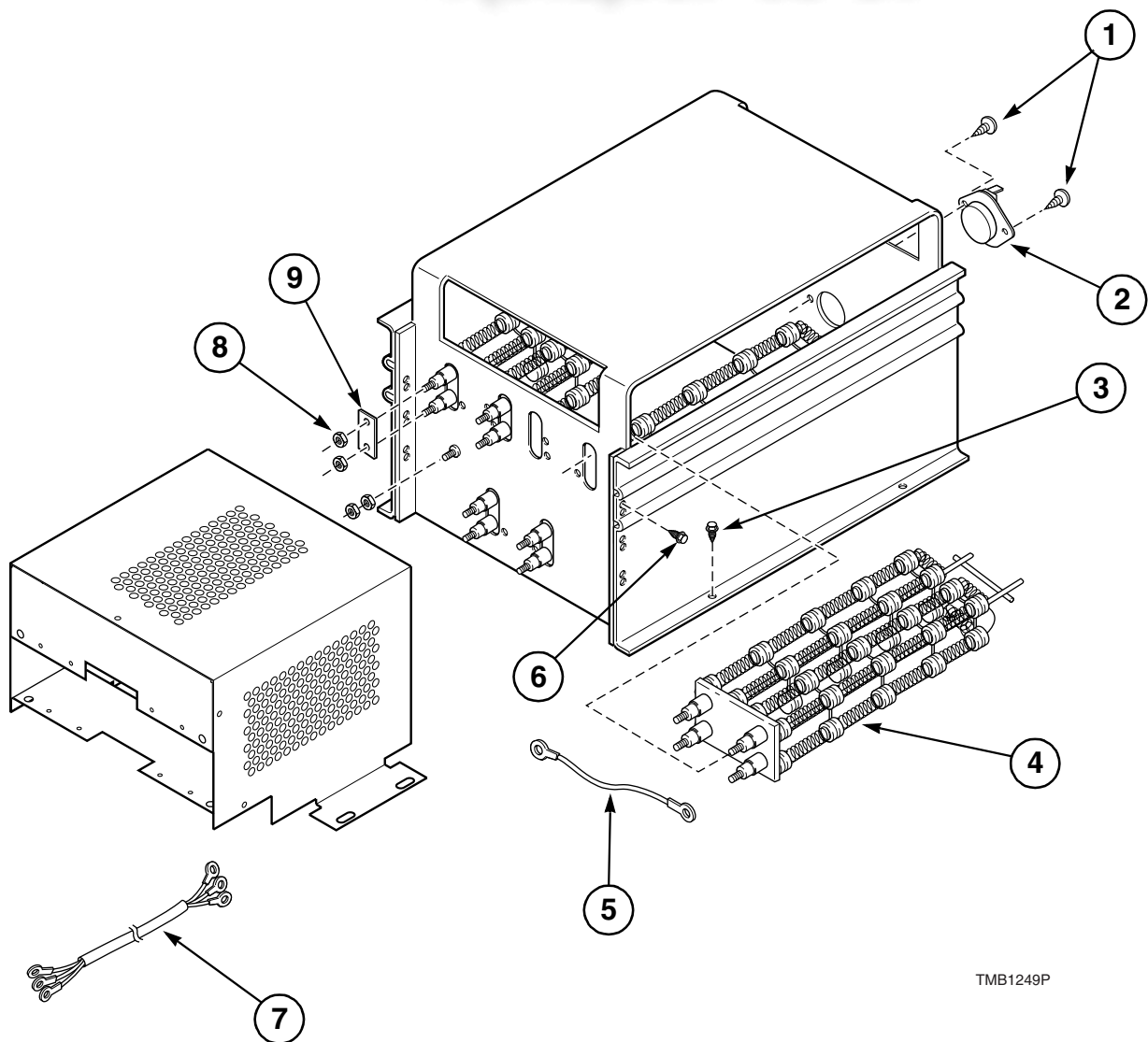
REF	PART #	DESCRIPTION	COMMENTS
1	TU20790	Thermostat Bracket	
2	TU20785	Thermostat	Non-Australian models
	TU20787	Thermostat	Australian models
3	TU20716	Screw	2 required
4	TU20792	Thermostat Cover	
5	TU20712	Screw	2 required
6	TU20412	Harness	
7	TU20682	Screw	

Non-EU Electric Heater Components

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Non-EU Electric Heater Components

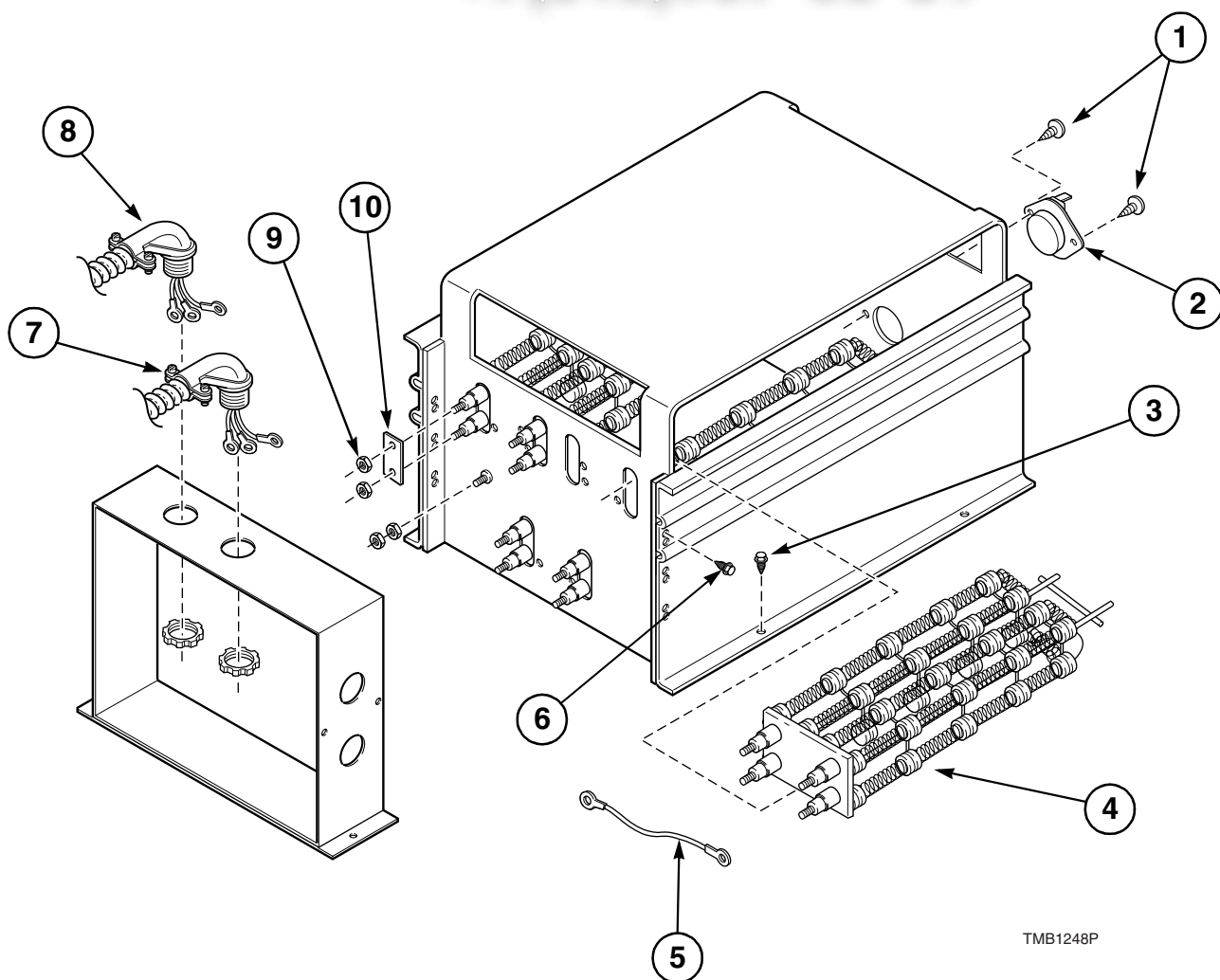
REF	PART #	DESCRIPTION	COMMENTS
1	TU20680	Screw	
2	TU20458	High Limit Thermostat	
3	TU20682	Screw	
4	TU20450	Heater Element	10 kW, 240 Volt; 3 required: 240 Volt/60 Hertz/3 Phase, 400-415 Volt/50 Hertz/3 Phase, 480 Volt/60 Hertz/3 Phase
	TU20451	Heater Element	10 kW, 208 Volt; 3 required: 200 Volt/50 Hertz/3 Phase, 200-208 Volt/60 Hertz/3 Phase
	TU20452	Heater Element	10 kW, 220 Volt; 3 required: 380 Volt/50 Hertz/3 Phase
5	TU20507	Jumper Wire	1 required: 380 Volt/50 Hertz/3 Phase, 400-415 Volt/50 Hertz/3 Phase; 2 required: 480 Volt/60 Hertz/3 Phase
6	TU20701	Screw	
7	TU20437	Heater Cable	H1-H3; 200 Volt/50 Hertz/3 Phase, 200-208 Volt/60 Hertz/3 Phase, 240 Volt/60 Hertz/3 Phase, 380 Volt/50 Hertz/3 Phase, 400-415 Volt/50 Hertz/3 Phase, 480 Volt/60 Hertz/3 Phase, 21 kW 240 Volt/50 Hertz/1 Phase
	TU20438	Heater Cable	H4-H6; 200 Volt/50 Hertz/3 Phase, 200-208 Volt/60 Hertz/3 Phase, 240 Volt/60 Hertz/3 Phase, 21kW 240 Volt/50 Hertz/1 Phase
8	TU20598	Nut	
9	TU20499	Jumper Bar	380 Volt/50 Hertz/3 Phase, 400-415 Volt/50 Hertz/3 Phase, 480 Volt/60 Hertz/3 Phase
	TU20506	Jumper Strip	3 required: 480 Volt/60 Hertz/3 Phase; 6 required: all others

EU Electric Heater Components

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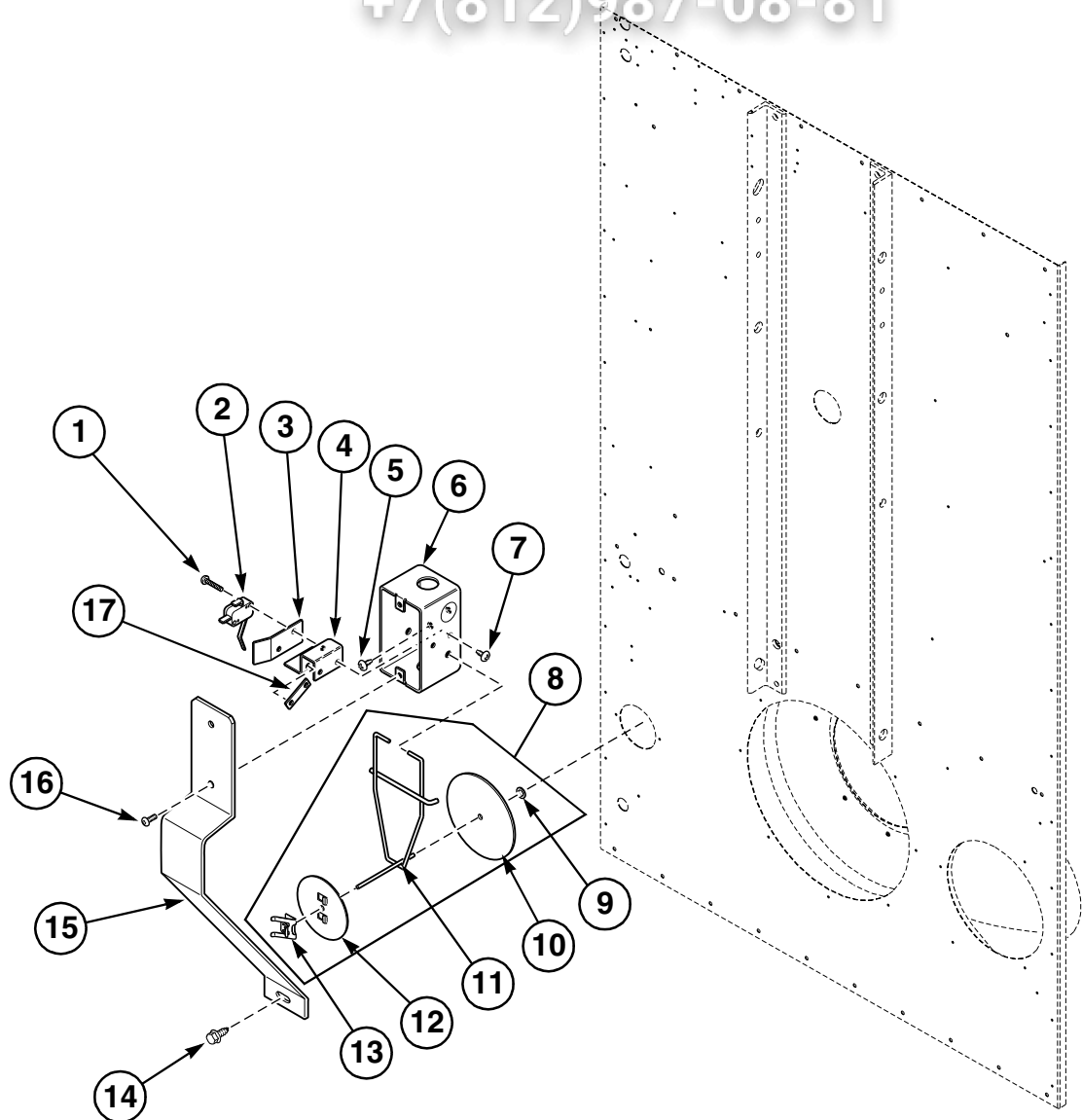
EU Electric Heater Components

REF	PART #	DESCRIPTION	COMMENTS
1	TU20680	Screw	
2	TU20454	High Limit Thermostat	
3	TU20682	Screw	
4	TU20450	Heater Element	10 kW, 240 Volt; 3 required: 230 Volt/50 Hertz/3 Phase, 415 Volt/50 Hertz/3 Phase
	TU20452	Heater Element	10 kW, 220 Volt; 3 required: 380 Volt/50 Hertz/3 Phase
5	TU20507	Jumper Wire	380 Volt/50 Hertz/3 Phase, 415 Volt/50 Hertz/3 Phase
6	TU20701	Screw	
7	TU20440	Heater Cable Harness	240 Volt; 230 Volt/50 Hertz/3 Phase; Includes locknut
8	TU20439	Heater Cable Harness	230 Volt/50 Hertz/3 Phase, 380 Volt/50 Hertz/3 Phase, 415 Volt/50 Hertz/3 Phase; Includes locknut
9	TU20598	Nut	12 required
10	TU20506	Jumper Strip	6 required
	TU20499	Jumper Bar	380 Volt/50 Hertz/3 Phase, 415 Volt/50 Hertz/3 Phase

Airflow Switch Assembly

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Airflow Switch Assembly

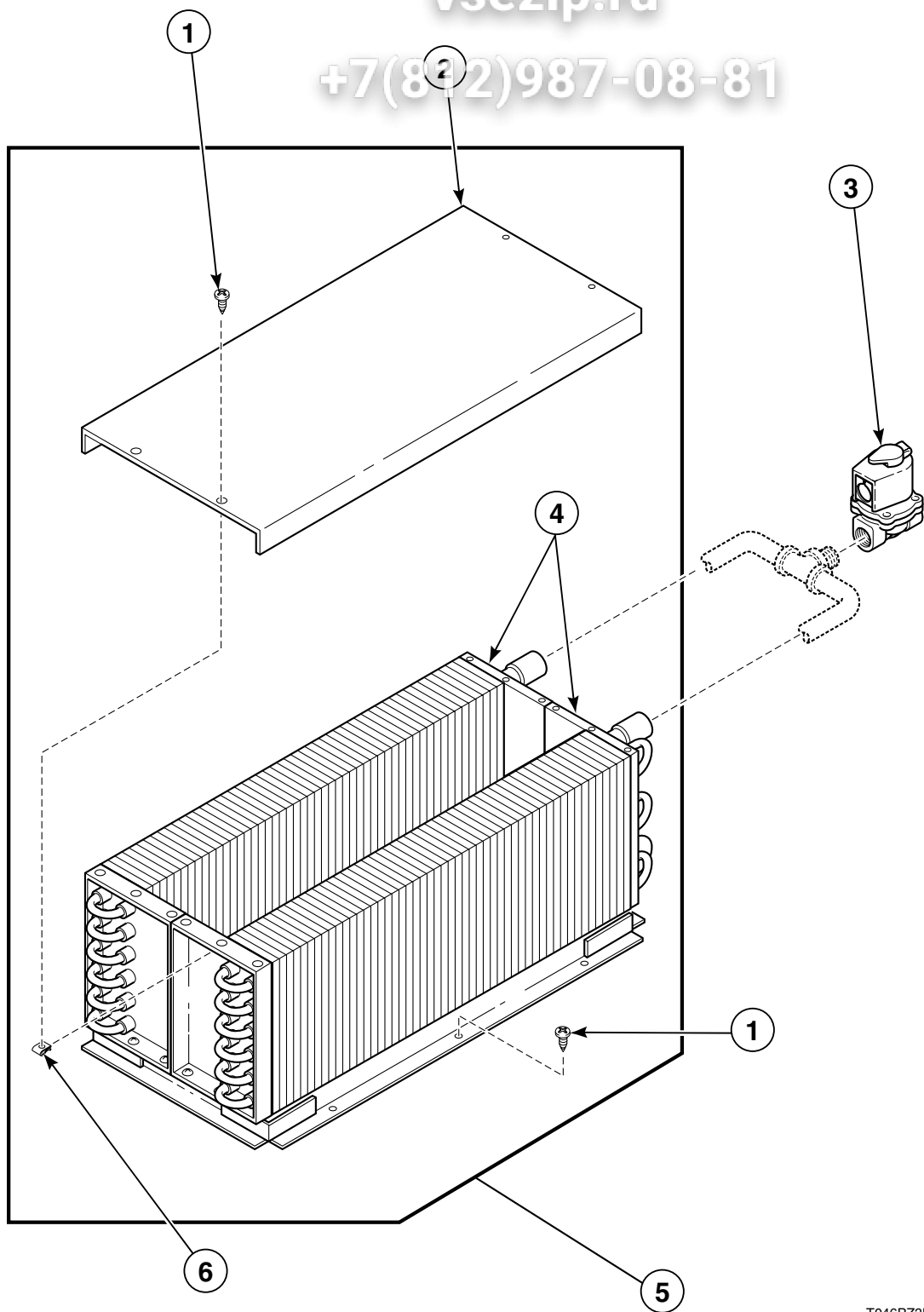
REF	PART #	DESCRIPTION	COMMENTS
1	TU20713	Screw	
2	TU20025	Airflow Switch	Non-EU models
	TU20026	Airflow Switch	EU models
3	TU20060	Barrier	
4	TU20584	Bracket	
5	TU20682	Screw	2 required
6	TU20027	Airflow Switch Box	
7	TU20712	Screw	
8	TU20841	Vane Assembly	
9	TU20603	Nut	
10	TU20840	Vane	
11	TU20763	Vane Lever	
12	TU20190	Counterweight	
13	TU20140	Clip	
14	TU20689	Screw	
15	TU20398	Guard	
16	TU20710	Screw	
17	TU20835	Twin Speed Nut	

Steam Heater and Valve

Этот документ

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Steam Heater and Valve

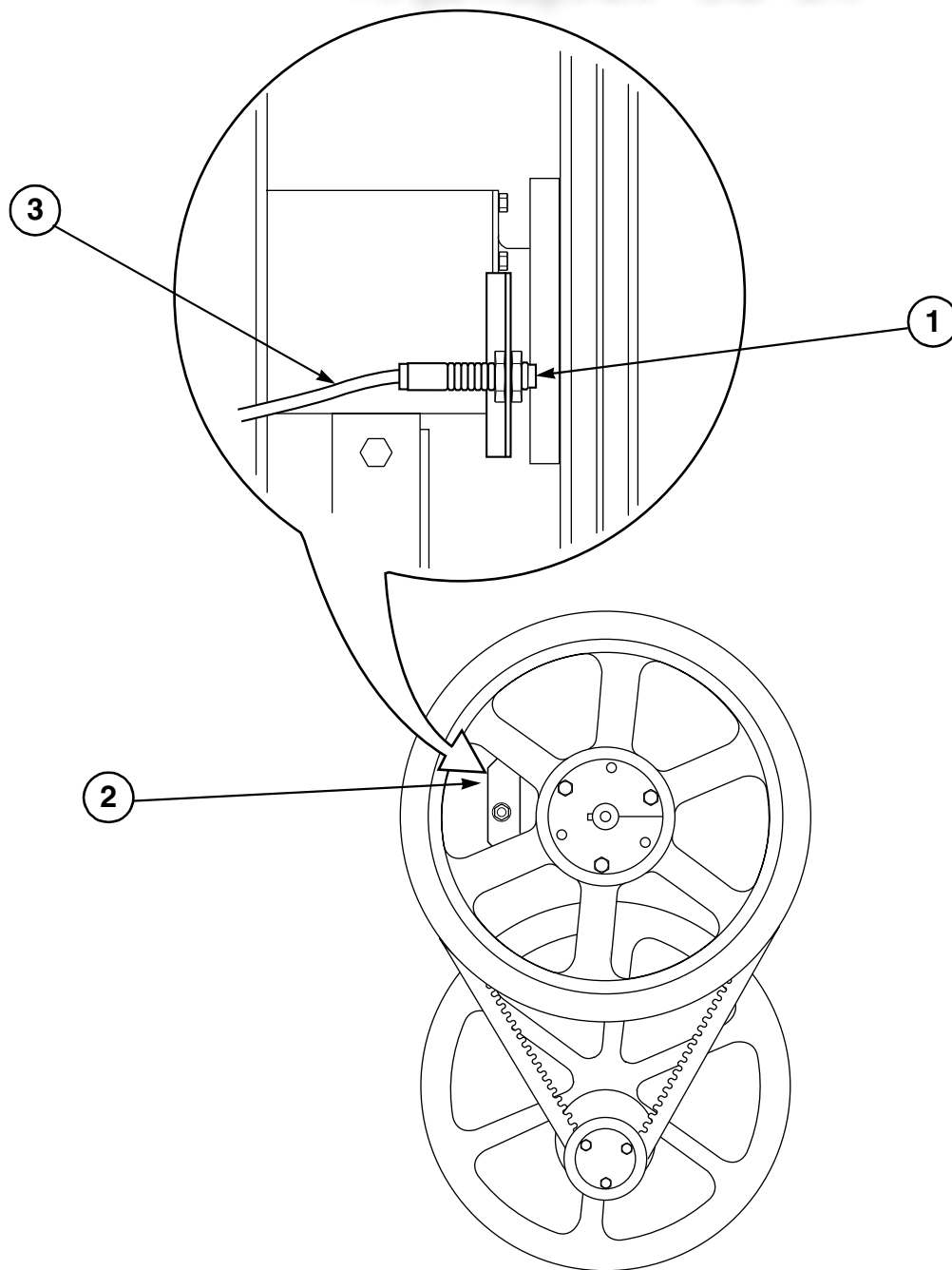
REF	PART #	DESCRIPTION	COMMENTS
	TU20751	Steam Valve Coil	
	TU20655	Repair Kit	
	TU20752	Steam Valve Coil	
1	TU20682	Screw	
2	TU20191	Cover	
3	TU20748	Steam Valve	EU models
	TU20749	Steam Valve	Non-EU models; 50 Hertz
	TU20750	Steam Valve	Non-EU models; 60 Hertz
4	TU20744	Steam Coil	
5	TU20745	Steam Heater Assembly	
6	TU20139	Clip	

Rotation Sensor

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Rotation Sensor

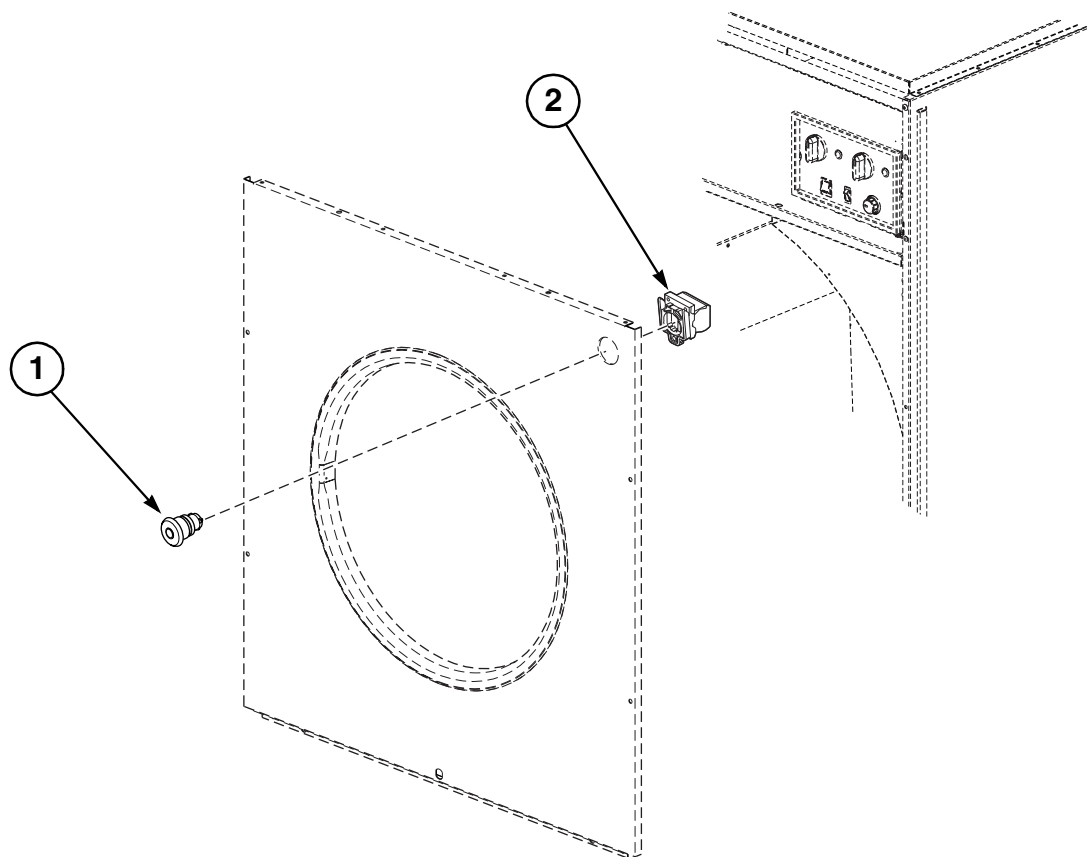
REF	PART #	DESCRIPTION	COMMENTS
1	TU20725	Sensor	
2	TU20084	Bracket	
3	TU20110	Cable	

EU Emergency Stop Button

Этот документ

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EU Emergency Stop Button

REF	PART #	DESCRIPTION	COMMENTS
1	TU20264	Emergency Stop Button	
2	TU20167	Contact Block	

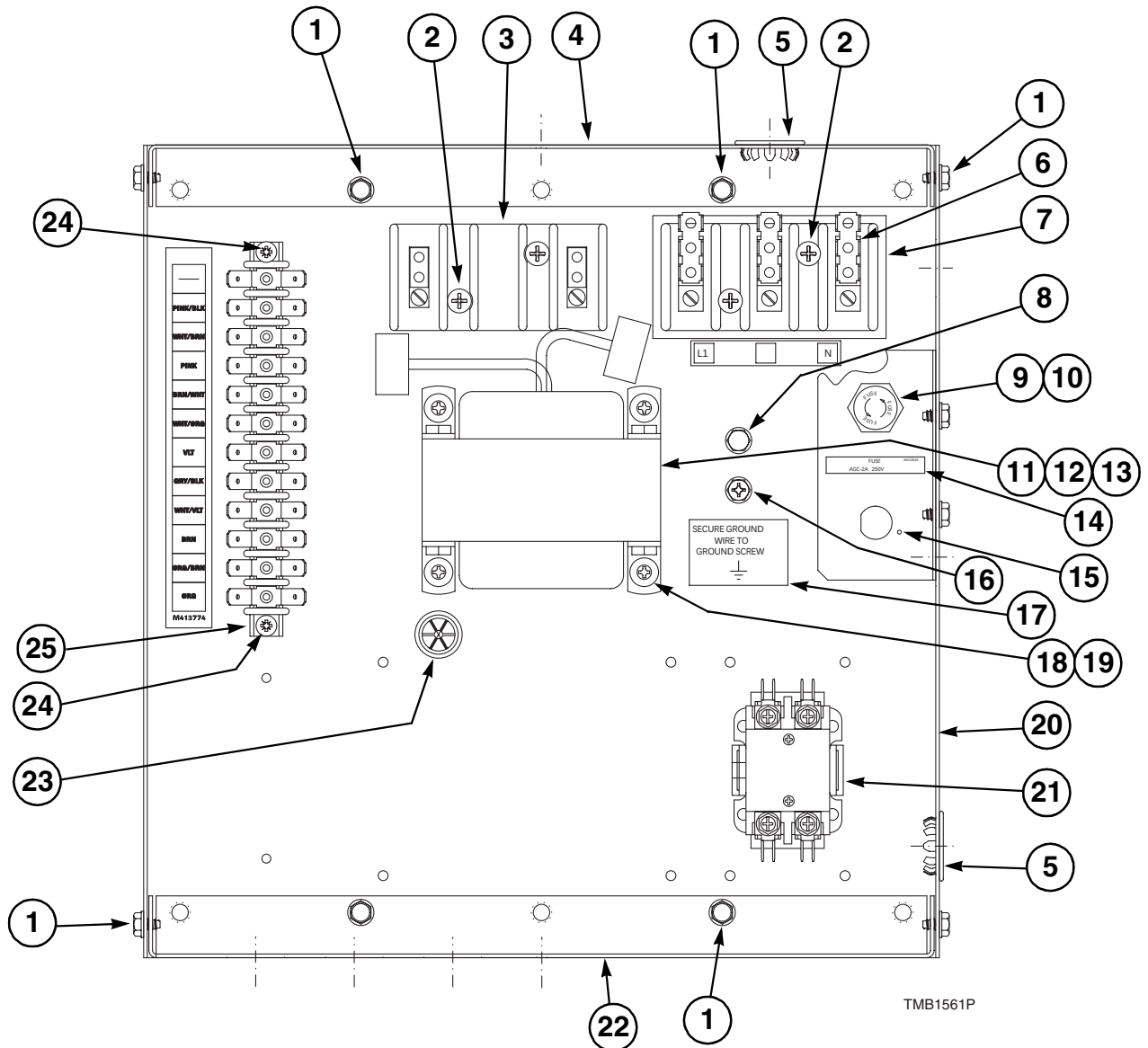
Contactor Box Assembly

Gas and Steam Models

120 Volt/ 60 Hertz/ 1 Phase - CD, DO, MT

230-240 Volt/ 50 Hertz/ 1 Phase - CD, DO, MT

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Contactor Box Assembly

Gas and Steam Models

120 Volt/ 60 Hertz/ 1 Phase - CD, DO, MT

230-240 Volt/ 50 Hertz/ 1 Phase - CD, DO, MT

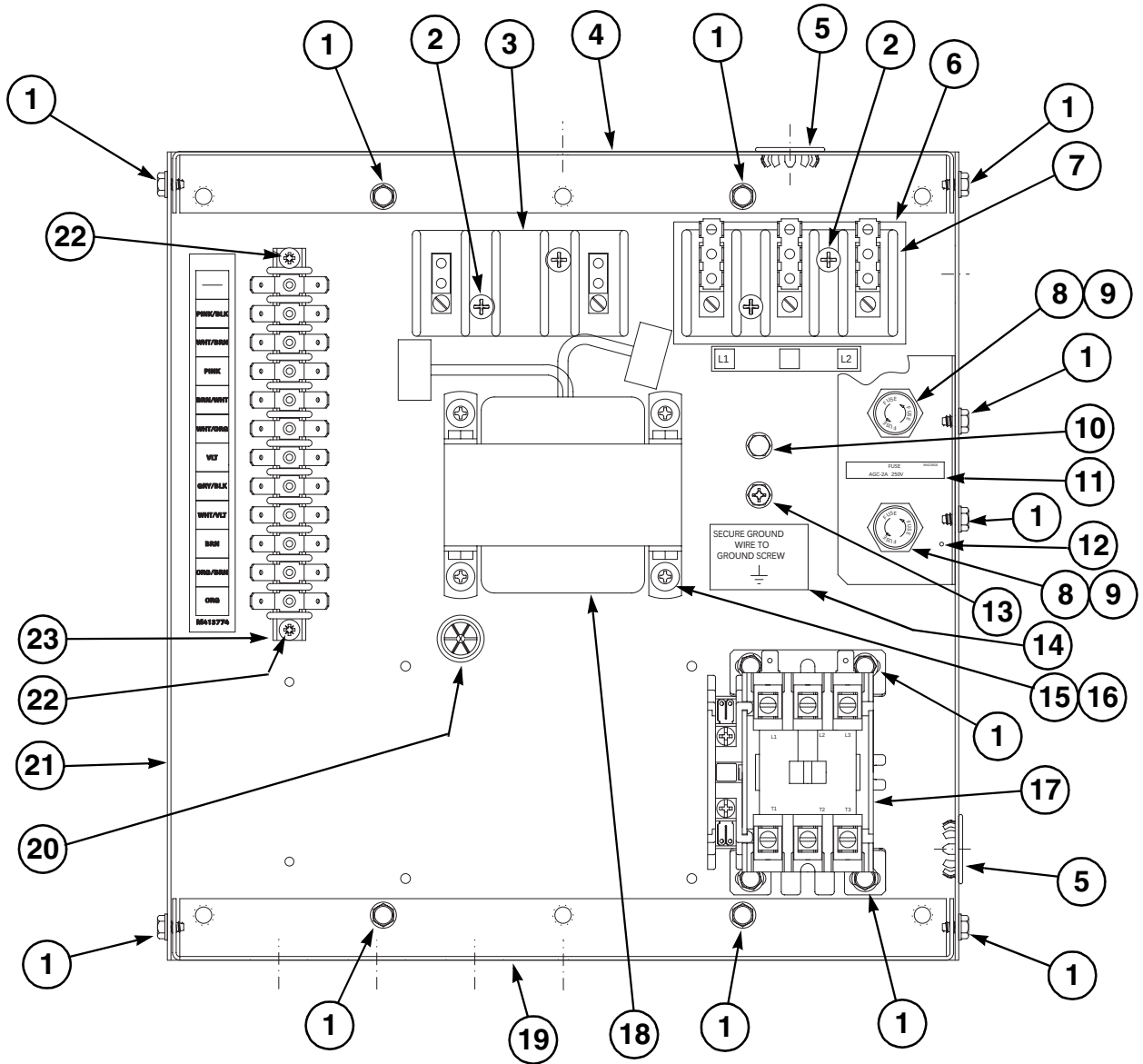
REF	PART #	DESCRIPTION	COMMENTS
	TU20826	Jumper Configuration Assembly	240 Volt; Used only on 230-240 Volt/50 Hertz/1 Phase models
	TU20420	Harness Assembly	1 Phase 2 Wire
	TU20890	Harness Capacitor Network Assembly	DO models
	TU20115	Network Capacitor Assembly	DO models
1	TU20689	Tap Screw	14 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	7/8 inch; 2 required
6	TU20777	Terminal Block	3 pole
7	TU20487	Insulator	
8	TU20682	Tap Screw	DO models
9	TU20345	Fuse Holder	250 Volt
10	TU20335	Fuse	250 Volt; 2 Amp
11	TU20822	Transformer	120 Volt; Single secondary; Used only on 120 Volt/60 Hertz/1 Phase CD and MT models
12	TU20823	Transformer	Dual secondary; Used only on 120 Volt/60 Hertz/1 Phase DO models
13	TU20588	Multitap Transformer	100-240 Volt; Used only on 230-240 Volt/50 Hertz/ 1 Phase models
14	TU20352	Fuse Sticker	2 Amp
15	TU20342	Fuse Bracket	
16	TU20395	Ground Screw	
17	TU20394	Ground Marker	Electrical
18	TU20704	Screw	4 required
19	TU20594	Keps Nut	4 required
20	TU20171	Contactor Box Wrapper	
21	TU20906	Contactor	
22	TU20170	Contactor Box End	Bottom
23	TU20732	Snap Bushing	5/8 inch
24	TU20688	Screw	4 required
25	TU20783	Terminal Strip	12 circuit

Contactor Box Assembly

Gas and Steam Models
200-208/ 240 Volt/ 60 Hertz/ 1 Phase - CD, DO, MT

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Contactor Box Assembly

Gas and Steam Models

200-208/ 240 Volt/ 60 Hertz/ 1 Phase - CD, DO, MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20421	Harness Assembly	1 Phase 3 wire
	TU20890	Harness Capacitor Network Assembly	DO models
	TU20115	Network Capacitor Assembly	DO models
1	TU20689	Tap Screw	18 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	7/8 inch; 2 required
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20345	Fuse Holder	250 Volt; 2 required
9	TU20335	Fuse	250 Volt; 2 Amp; 2 required
10	TU20682	Tap Screw	DO models
11	TU20352	Fuse Sticker	2 Amp
12	TU20342	Fuse Bracket	
13	TU20395	Ground Screw	
14	TU20394	Ground Marker	Electrical
15	TU20704	Screw	4 required
16	TU20594	Keps Nut	4 required
17	TU20569	Fan Contactor	
18	TU20588	Multitap Transformer	100-240 Volt
19	TU20170	Contactor Box End	Bottom
20	TU20732	Snap Bushing	5/8 inch
21	TU20171	Contactor Box Wrapper	
22	TU20688	Tap Screw	2 required
23	TU20783	Terminal Strip	12 circuit

Contactor Box Assembly

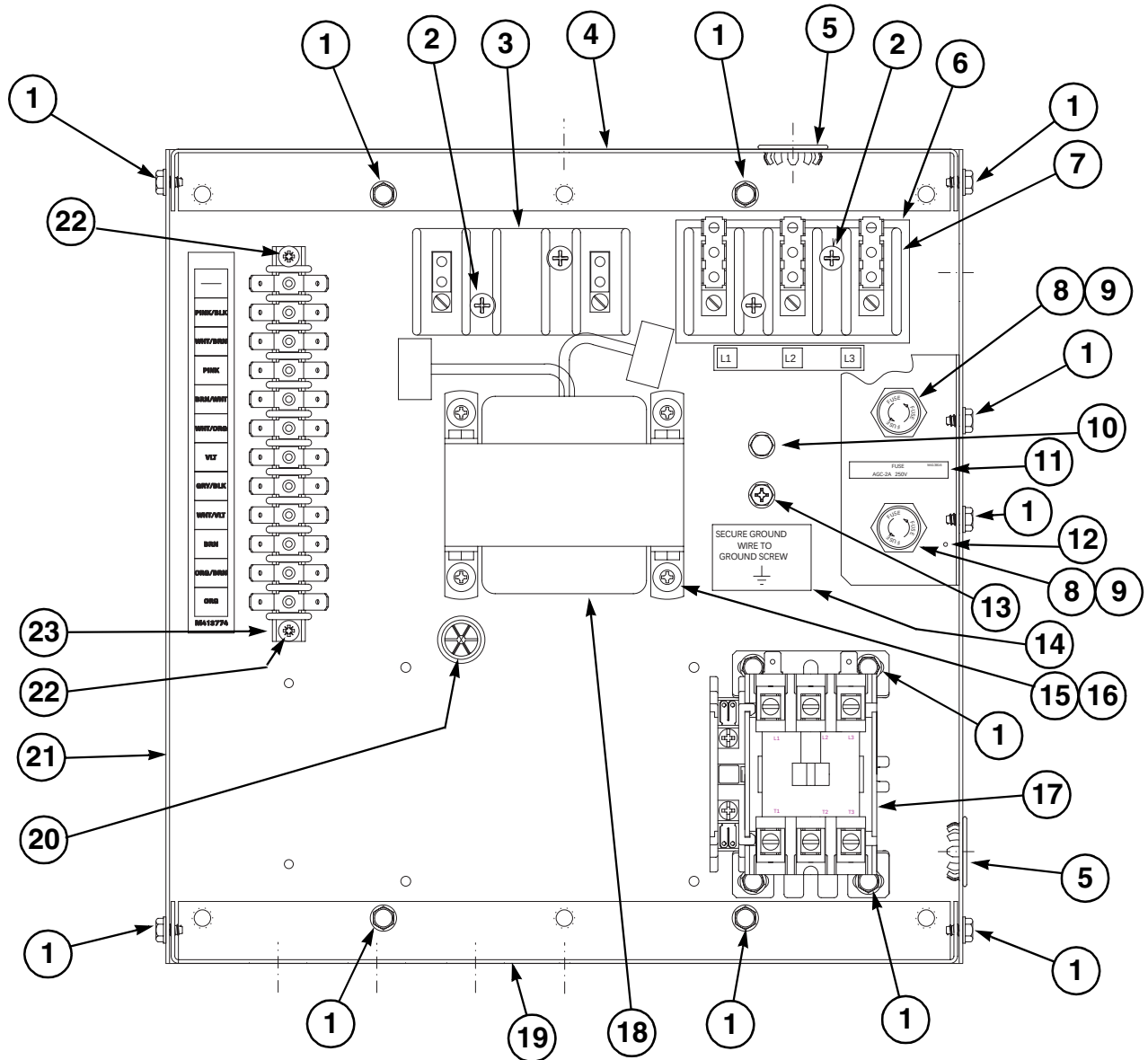
Gas and Steam Models

200 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

200-208/ 240 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

230-240 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

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Contactor Box Assembly

Gas and Steam Models

200 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

200-208/ 240 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

230-240 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20825	Jumper Configuration Assembly	208 Volt; Used only on 200 Volt/50 Hertz/3 Phase models
	TU20826	Jumper Configuration Assembly	240 Volt; Used only on 200-208/240 Volt/60 Hertz/3 Phase and 230-240 Volt/50 Hertz/3 Phase models
	TU20424	Harness Assembly	3 Phase
	TU20890	Harness Capacitor Network Assembly	DO models
	TU20115	Network Capacitor Assembly	DO models
1	TU20689	Tap Screw	18 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	7/8 inch; 2 required
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20345	Fuse Holder	250 Volt; 2 required
9	TU20335	Fuse	250 Volt; 2 Amp; 2 required
10	TU20682	Tap Screw	DO models
11	TU20352	Fuse Sticker	2 Amp
12	TU20342	Fuse Bracket	
13	TU20395	Ground Screw	
14	TU20394	Ground Marker	Electrical
15	TU20704	Screw	4 required
16	TU20594	Keps Nut	4 required
17	TU20569	Fan Contactor	
18	TU20588	Multitap Transformer	100-240 Volt
19	TU20170	Contactor Box End	Bottom
20	TU20732	Snap Bushing	5/8 inch
21	TU20171	Contactor Box Wrapper	
22	TU20688	Tap Screw	2 required
23	TU20783	Terminal Strip	12 circuit

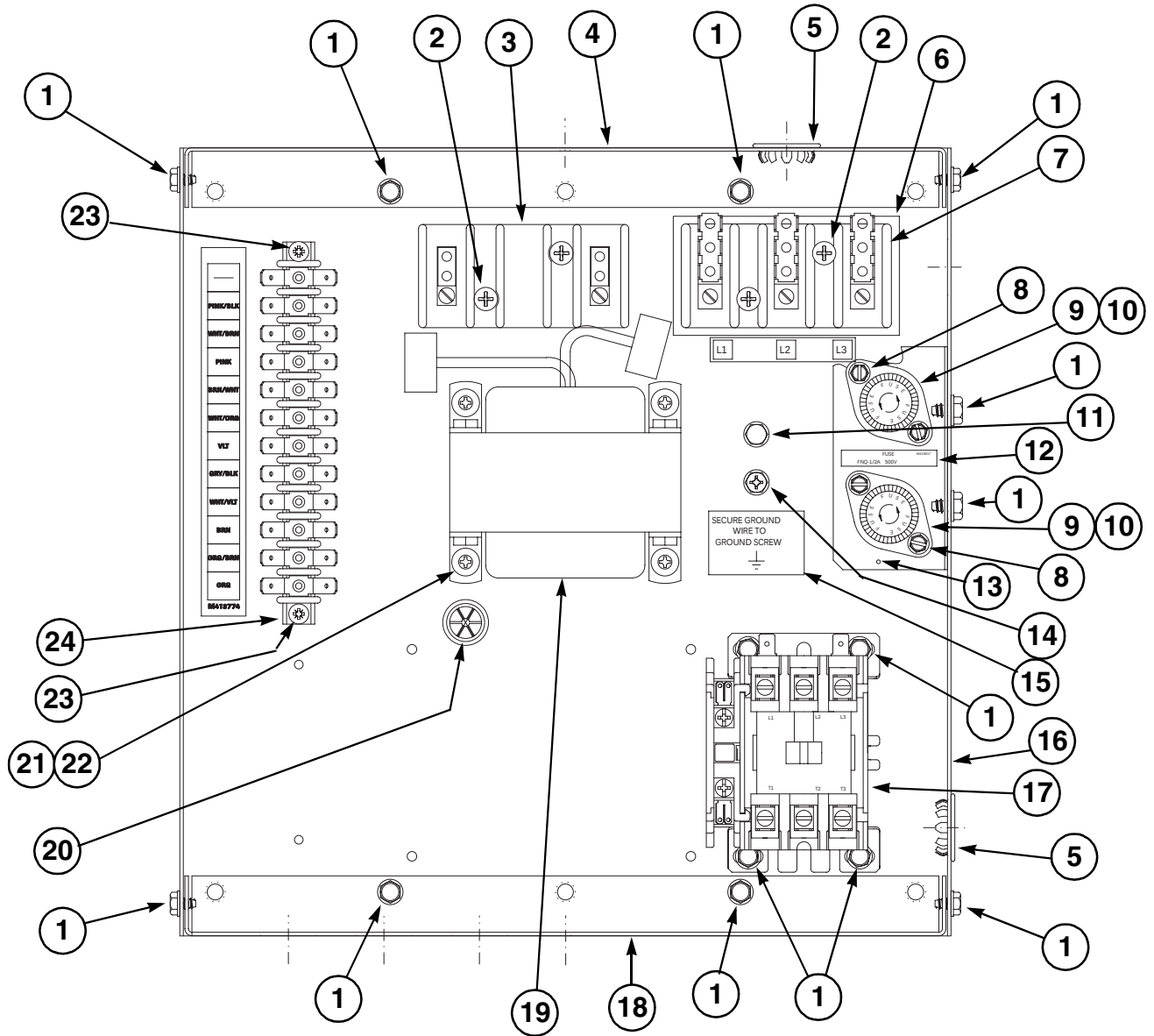
Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

460-480 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

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TMB1550P

Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

460-480 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20827	Jumper Configuration Assembly	Used only on 380/400-415 Volt/50 Hertz/3 Phase models
	TU20011	Jumper Configuration Assembly	460 Volt; Used only on 460-480 Volt/60 Hertz/3 Phase models
	TU20424	Harness Assembly	3 Phase
	TU20890	Harness Capacitor Network Assembly	DO models
	TU20115	Network Capacitor Assembly	DO models
1	TU20689	Tap Screw	18 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	7/8 inch; 2 required
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20686	Tap Screw	4 required
9	TU20347	Fuse Holder	600 Volt; 2 required
10	TU20336	Fuse	500 Volt-1/2 Amp; 2 required
11	TU20682	Tap Screw	DO models
12	TU20353	Fuse Sticker	1/2 Amp
13	TU20343	Fuse Bracket	
14	TU20395	Ground Screw	
15	TU20394	Ground Marker	Electrical
16	TU20171	Contactor Box Wrapper	
17	TU20569	Fan Contactor	
18	TU20170	Contactor Box End	Bottom
19	TU20821	Multitap Transformer	380-480 Volt
20	TU20732	Snap Bushing	5/8 inch
21	TU20704	Screw	4 required
22	TU20594	Keps Nut	4 required
23	TU20688	Tap Screw	2 required
24	TU20783	Terminal Strip	12 circuit

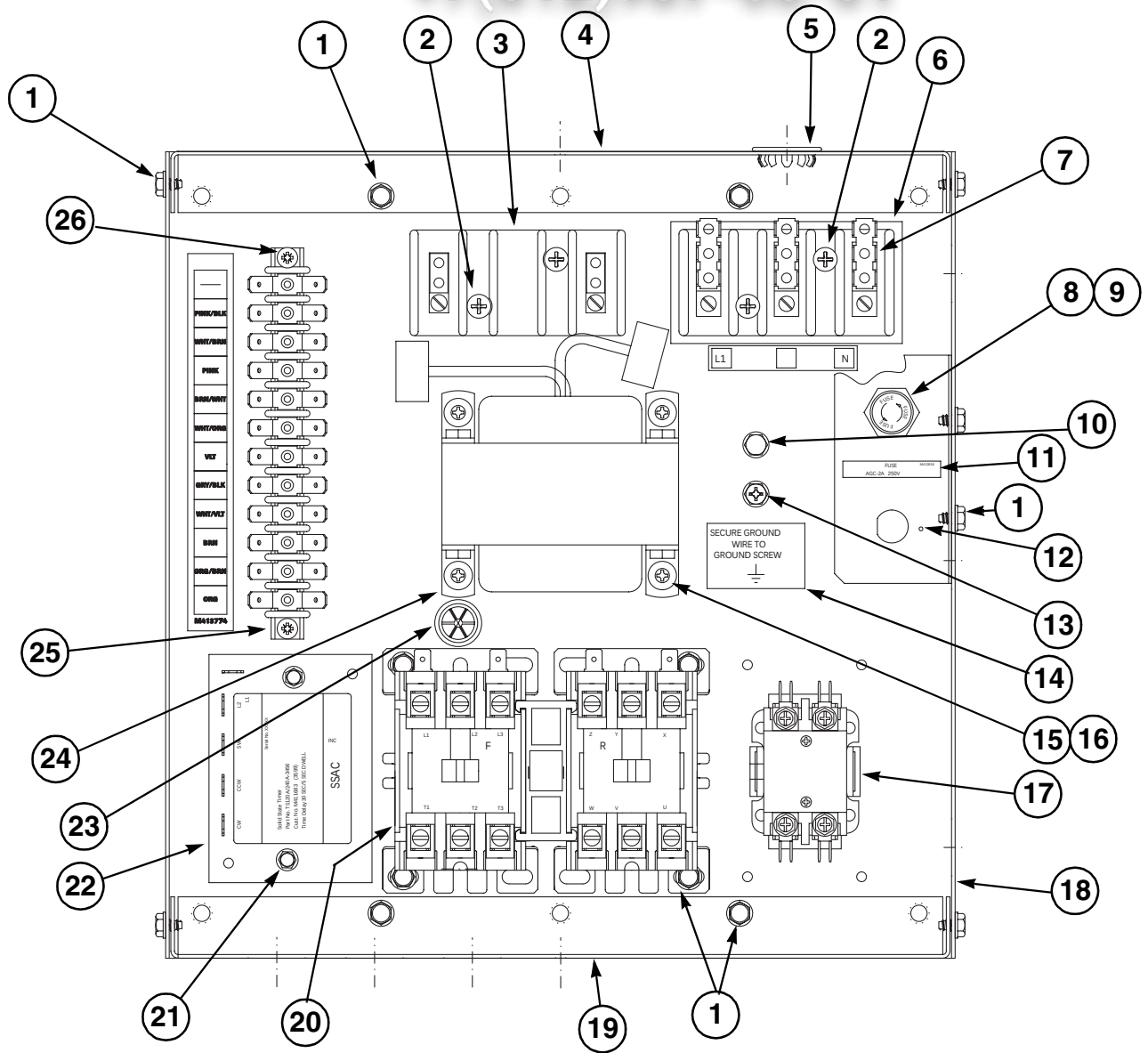
Contactor Box Assembly

Gas and Steam Models

230-240 Volt/ 50 Hertz/ 1 Phase - RD, RT

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TMB1563P

Contactor Box Assembly

Gas and Steam Models

230-240 Volt/ 50 Hertz/ 1 Phase - RD, RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20422	Harness Assembly	1 Phase; Reversing
	TU20493	Jumper Assembly	Bypass, RD models
	TU20496	Jumper Assembly	Reversing contactor; 1 Phase; Upper
	TU20497	Jumper Assembly	Reversing contactor; 1 Phase; Lower
	TU20890	Harness Capacitor Network Assembly	RD models
	TU20115	Network Capacitor Assembly	RD models
	TU20666	Reversing Timer Harness Assembly	RT models
1	TU20689	Screw	18 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20345	Fuse Holder	250 Volt
9	TU20335	Fuse	250 Volt-2 Amp
10	TU20682	Tap Screw	RD models
11	TU20352	Fuse Sticker	2 Amp
12	TU20342	Fuse Bracket	
13	TU20395	Ground Screw	
14	TU20394	Ground Marker	Electrical
15	TU20704	Screw	4 required
16	TU20594	Keps Nut	4 required
17	TU20906	Contactor	
18	TU20171	Contactor Box Wrapper	
19	TU20170	Contactor Box End	Bottom
20	TU20658	Reversing Contactor	
21	TU20770	Tap Screw	2 required; RT models
22	TU20663	Reversing Timer	24 Volt; RT models
23	TU20732	Snap Bushing	5/8 inch
24	TU20588	Transformer	Multitap 100-240 Volt
25	TU20783	Terminal Strip	12 circuit
26	TU20688	Screw	4 required

Contactor Box Assembly

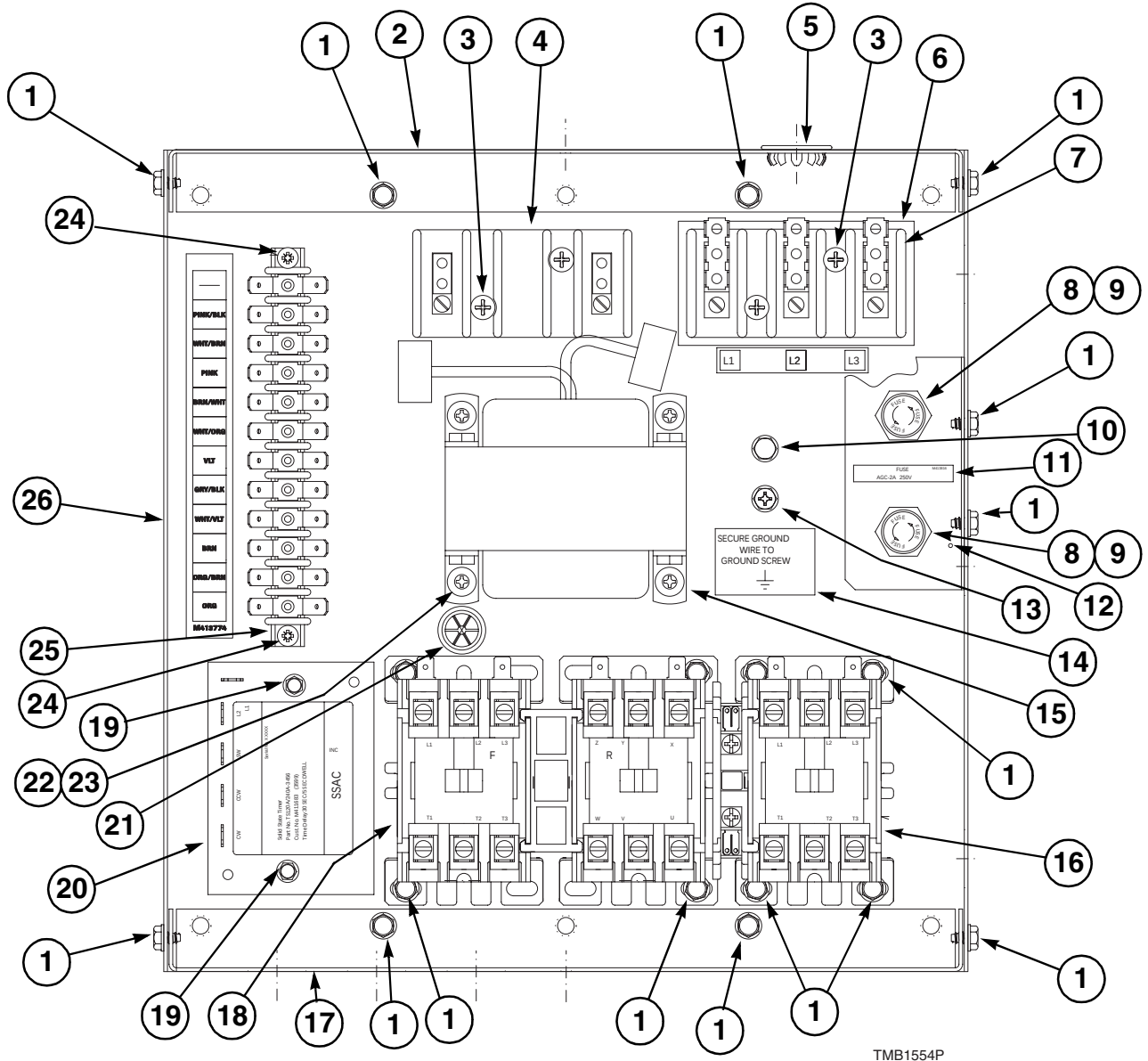
Gas and Steam Models

200 Volt/ 50 Hertz/ 3 Phase - RD, RT

200-208/ 240 Volt/ 60 Hertz/ 3 Phase - RD, RT

230-240 Volt/ 50 Hertz/ 3 Phase - RD, RT

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Contactor Box Assembly

Gas and Steam Models

200 Volt/ 50 Hertz/ 3 Phase - RD, RT

200-208/ 240 Volt/ 60 Hertz/ 3 Phase - RD, RT

230-240 Volt/ 50 Hertz/ 3 Phase - RD, RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20825	Jumper Configuration Assembly	208 Volt; Used only on 200 Volt/50 Hertz/3 Phase RT and RD models
	TU20826	Jumper Configuration Assembly	240 Volt; Used only on 200-208/240 Volt/60 Hertz/3 Phase and 230-240 Volt/50 Hertz/3 Phase RT and RD models
	TU20425	Harness Assembly	3 Phase; Reversing
	TU20493	Jumper Assembly	Bypass; RD models
	TU20494	Jumper Assembly	Reversing contactor; 3 Phase; Upper
	TU20495	Jumper Assembly	Reversing contactor; 3 Phase; Lower
	TU20890	Harness Capacitor Network Assembly	RD models
	TU20115	Network Capacitor Assembly	RD models
	TU20666	Reversing Timer Harness Assembly	RT models
1	TU20689	Tap Screw	22 required
2	TU20169	Contactor Box End	Top
3	TU20717	Screw	4 required
4	TU20779	Terminal Block	2 pole
5	TU20733	Snap In Plug Button	7/8 inch
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20345	Fuse Holder	250 Volt; 2 required
9	TU20335	Fuse	250 Volt; 2 Amp; 2 required
10	TU20682	Tap Screw	RD models
11	TU20352	Fuse Sticker	2 Amp
12	TU20342	Fuse Bracket	
13	TU20395	Ground Screw	
14	TU20394	Ground Marker	Electrical
15	TU20588	Multitap Transformer	100-240 Volt
16	TU20569	Fan Contactor	
17	TU20170	Contactor Box End	Bottom
18	TU20658	Reversing Contactor	
19	TU20770	Tap Screw	2 required; RT models
20	TU20663	Reversing Timer	24 Volt; RT models
21	TU20732	Snap Bushing	5/8 inch
22	TU20704	Screw	4 required
23	TU20594	Keps Nut	4 required
24	TU20688	Tap Screw	2 required
25	TU20783	Terminal Strip	12 circuit
26	TU20171	Contactor Box Wrapper	

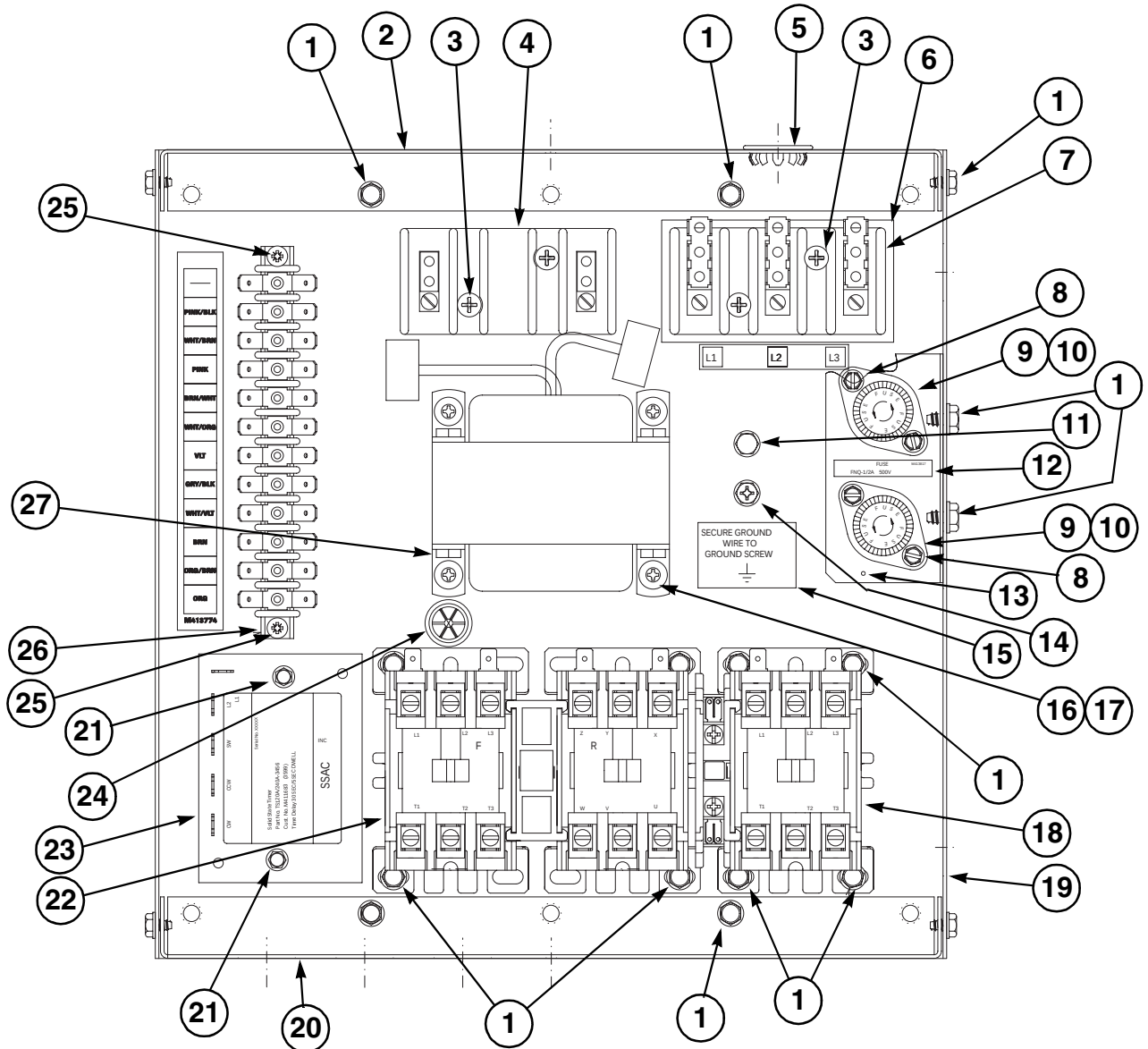
Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - RD, RT

460-480 Volt/ 60 Hertz/ 3 Phase - RD, RT

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Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - RD, RT

460-480 Volt/ 60 Hertz/ 3 Phase - RD, RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20827	Jumper Configuration Assembly	380 Volt; Used only on 380/400-415 Volt/50 Hertz/3 Phase RT and RD models
	TU20011	Jumper Configuration Assembly	480 Volt; Used only on 460-480 Volt/60 Hertz/3 Phase RT and RD models
	TU20425	Harness Assembly	3 Phase; Reversing
	TU20493	Jumper Assembly	Bypass; RD models
	TU20494	Jumper Assembly	Reversing contactor; 3 Phase; Upper
	TU20495	Jumper Assembly	Reversing contactor; 3 Phase; Lower
	TU20890	Harness Capacitor Network Assembly	RD models
	TU20115	Network Capacitor Assembly	RD models
	TU20666	Harness Assembly	Reverse timer; RT models
1	TU20689	Tap Screw	22 required
2	TU20169	Contactor Box End	Top
3	TU20717	Screw	4 required
4	TU20779	Terminal Block	2 pole
5	TU20733	Snap In Plug Button	7/8 inch
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20686	Tap Screw	4 required
9	TU20347	Fuse Holder	600 Volt; 2 required
10	TU20336	Fuse	500 Volt-1/2 Amp; 2 required
11	TU20682	Tap Screw	RD models
12	TU20353	Fuse Sticker	1/2 Amp
13	TU20343	Fuse Bracket	
14	TU20395	Ground Screw	
15	TU20394	Ground Marker	Electrical
16	TU20704	Screw	4 required
17	TU20594	Keps Nut	
18	TU20569	Fan Contactor	
19	TU20171	Contactor Box Wrapper	
20	TU20170	Contactor Box End	Bottom
21	TU20770	Tap Screw	2 required; RT models
22	TU20658	Reversing Contactor	
23	TU20663	Reversing Timer	24 Volt; RT models
24	TU20732	Snap Bushing	5/8 inch
25	TU20688	Tap Screw	2 required
26	TU20783	Terminal Strip	12 circuit
27	TU20821	Multitap Transformer	380-480 Volt

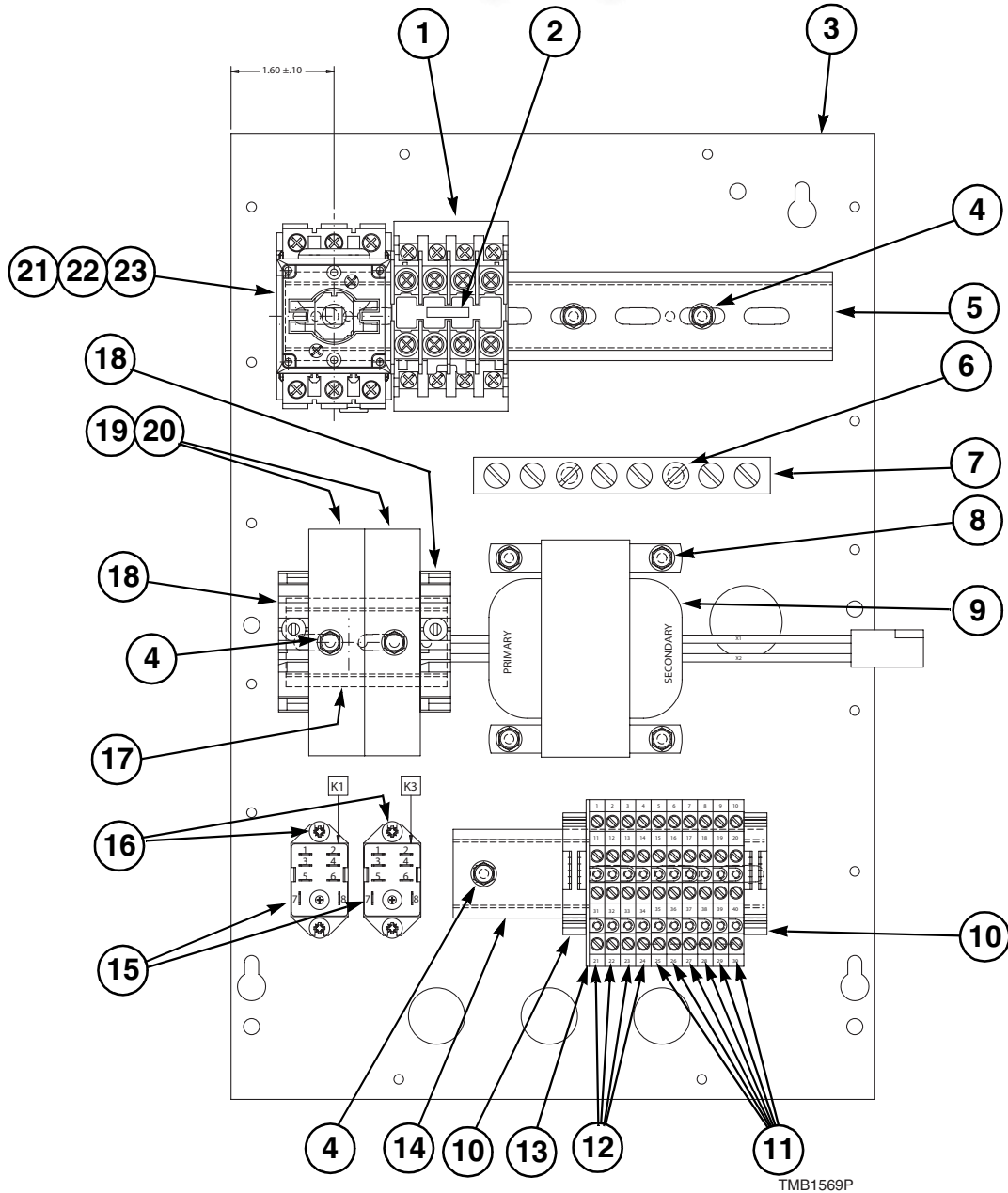
Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - MT

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Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20828	Transformer Harness	Secondary
	TU20428	Harness Jumper Assembly	Junction box
	TU20650	Relay Harness	K1,K2; Steam
	TU20648	Relay Harness	Gas
	TU20649	Relay Harness	Gas
1	TU20172	Motor Contactor	9 Amp
2	TU20907	Contact Block	
3	TU20510	Junction Box	Bottom
4	TU20689	Screw	7 required
5	TU20230	Din Rail	
6	TU20456	Hex Nut	2 required
7	TU20392	Ground Buss	
8	TU20680	Screw	4 required
9	TU20819	Transformer	400 Volt
10	TU20270	End Stop	230 Volt; 2 required
11	TU20780	Terminal Block	2 circuit; 6 required
12	TU20781	Terminal Block	1 circuit; 4 required
13	TU20267	End Barrier	
14	TU20885	Din Rail	
15	TU20647	Relay	24 Volt
16	TU20686	Screw	2 required
17	TU20236	Din Rail	
18	TU20271	End Stop	2 required
19	TU20346	Fuse Holder	400 Volt; Primary; 2 required
20	TU20334	Fuse	2 required
21	TU20061	Base Mounting Switch	20 Amp
22	TU20300	Finger Guard	20 Amp
23	TU20276	Extension Handle	20 Amp

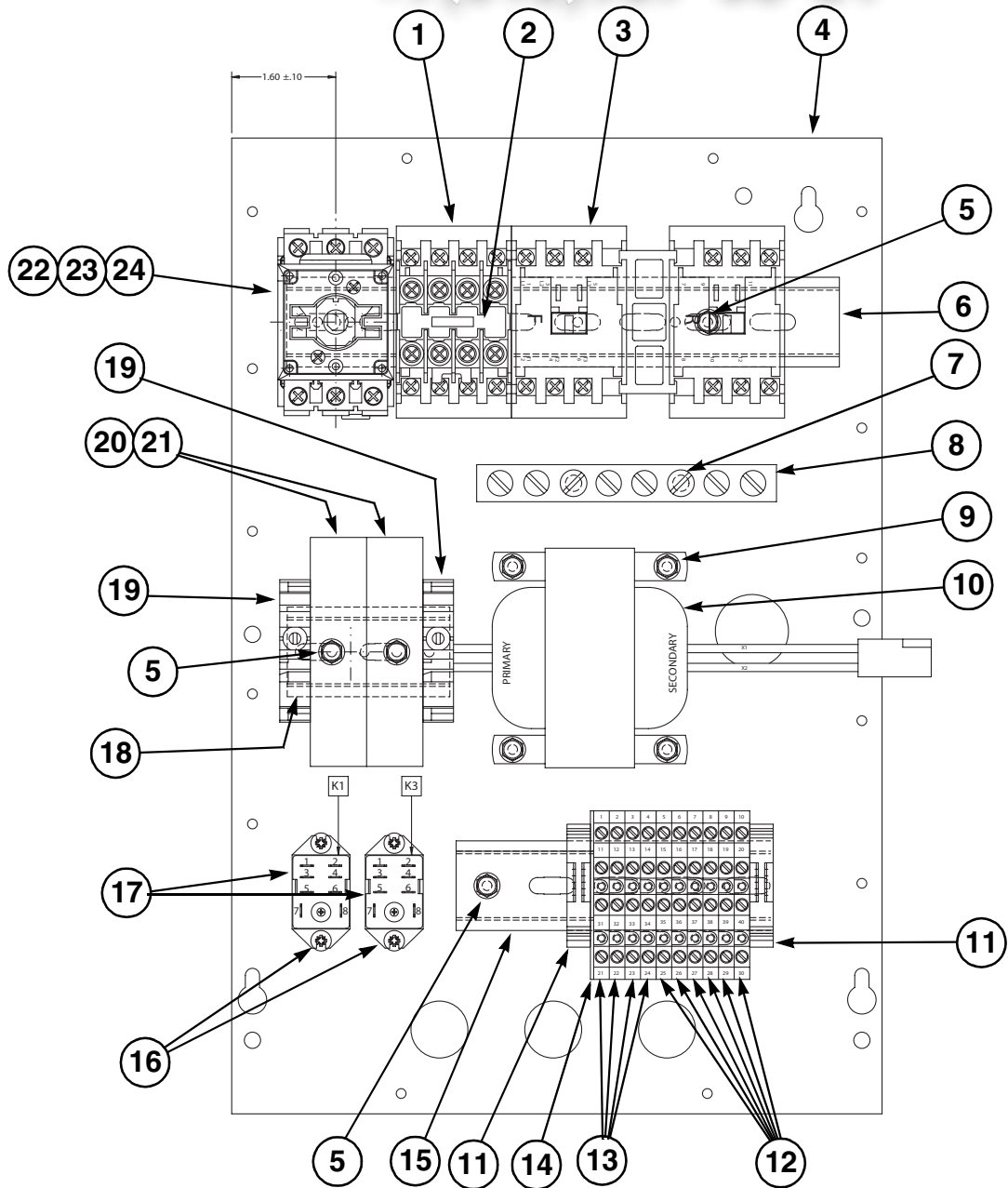
Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - RT

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Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20828	Transformer Harness	Secondary
	TU20650	Relay Harness	K1, K2, Steam
	TU20648	Relay Harness	Gas
	TU20428	Harness Jumper Assembly	
	TU20661	Reversing Contactor Jumper	3 Phase; Upper; 2 required
	TU20662	Reversing Contactor Jumper	3 Phase; Lower
	TU20664	Reversing Timer Harness	
1	TU20172	Contactor Motor	9 Amp
2	TU20907	Contact Block	
3	TU20657	Reversing Contactor	
4	TU20510	Junction Box	Bottom
5	TU20689	Screw	6 required
6	TU20230	Din Rail	
7	TU20456	Hex Nut	2 required
8	TU20392	Ground Buss	
9	TU20680	Screw	4 required
10	TU20819	Transformer	400 Volt
11	TU20270	End Stop	230 Volt; 2 required
12	TU20780	Terminal Block	2 circuit; 6 required
13	TU20781	Terminal Block	1 circuit; 4 required
14	TU20267	End Barrier	
15	TU20885	Din Rail	
16	TU20686	Screw	2 required
17	TU20647	Relay	24 Volt
18	TU20236	Din Rail	
19	TU20271	End Stop	2 required
20	TU20346	Terminal Fuse Holder Block	2 required
21	TU20334	Fuse	2 required
22	TU20061	Base Mounting Switch	20 Amp
23	TU20300	Finger Guard	20 Amp
24	TU20276	Extension Handle	20 Amp

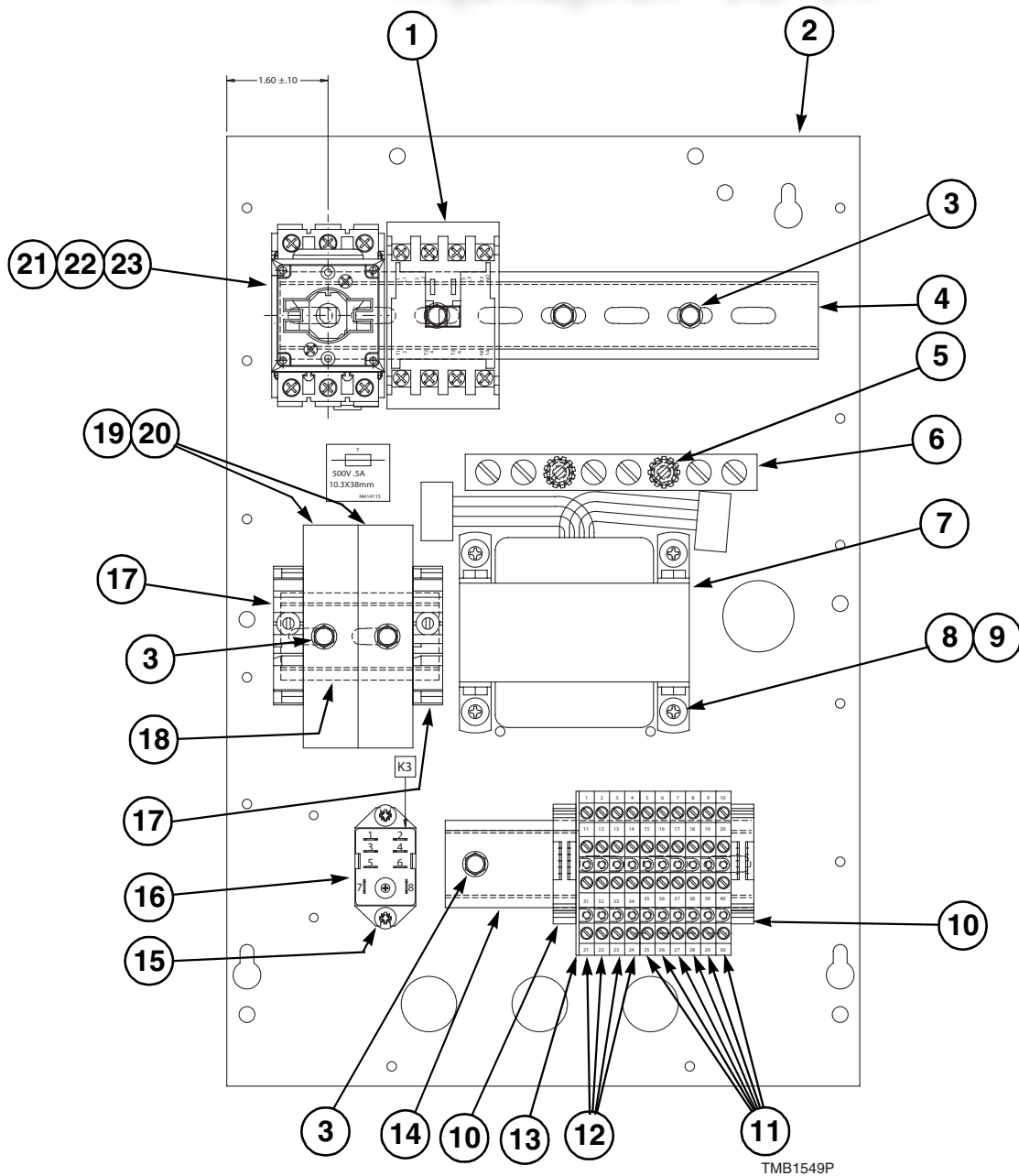
Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - DO

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Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - DO

REF	PART #	DESCRIPTION	COMMENTS
	TU20115	Capacitor Network Assembly	
	TU20827	Jumper Configuration Assembly	630 Volt
	TU20893	Harness Relay Assembly	Gas
	TU20433	Harness Relay Assembly	Steam
	TU20434	Harness Transformer Assembly	Primary
	TU20042	Harness Transformer Assembly	Secondary
	TU20427	Harness Jump Assembly	
1	TU20172	Motor Contactor	9 Amp
2	TU20510	Junction Box	Bottom
3	TU20689	Screw	7 required
4	TU20230	Din Rail	
5	TU20456	Hex Nut	2 required
6	TU20392	Ground Buss	
7	TU20821	Multitap Transformer	
8	TU20704	Screw	4 required
9	TU20594	Keps Nut	4 required
10	TU20270	End Stop	230 Volt; 2 required
11	TU20780	Terminal Block	2 circuit; 6 required
12	TU20781	Terminal Block	1 circuit; 4 required
13	TU20267	End Barrier	
14	TU20885	Din Rail	
15	TU20709	Screw	2 required; Gas
16	TU20647	Relay	24 Volt; Gas
17	TU20271	End Stop	2 required
18	TU20236	Din Rail	
19	TU20346	Fuse Holder	400 Volt; Primary; 2 required
20	TU20336	Fuse	600 Volt; 2 required; .5 Amp
21	TU20061	Base Mounting Switch	20 Amp
22	TU20300	Finger Guard	20 Amp
23	TU20276	Extension Handle	20 Amp

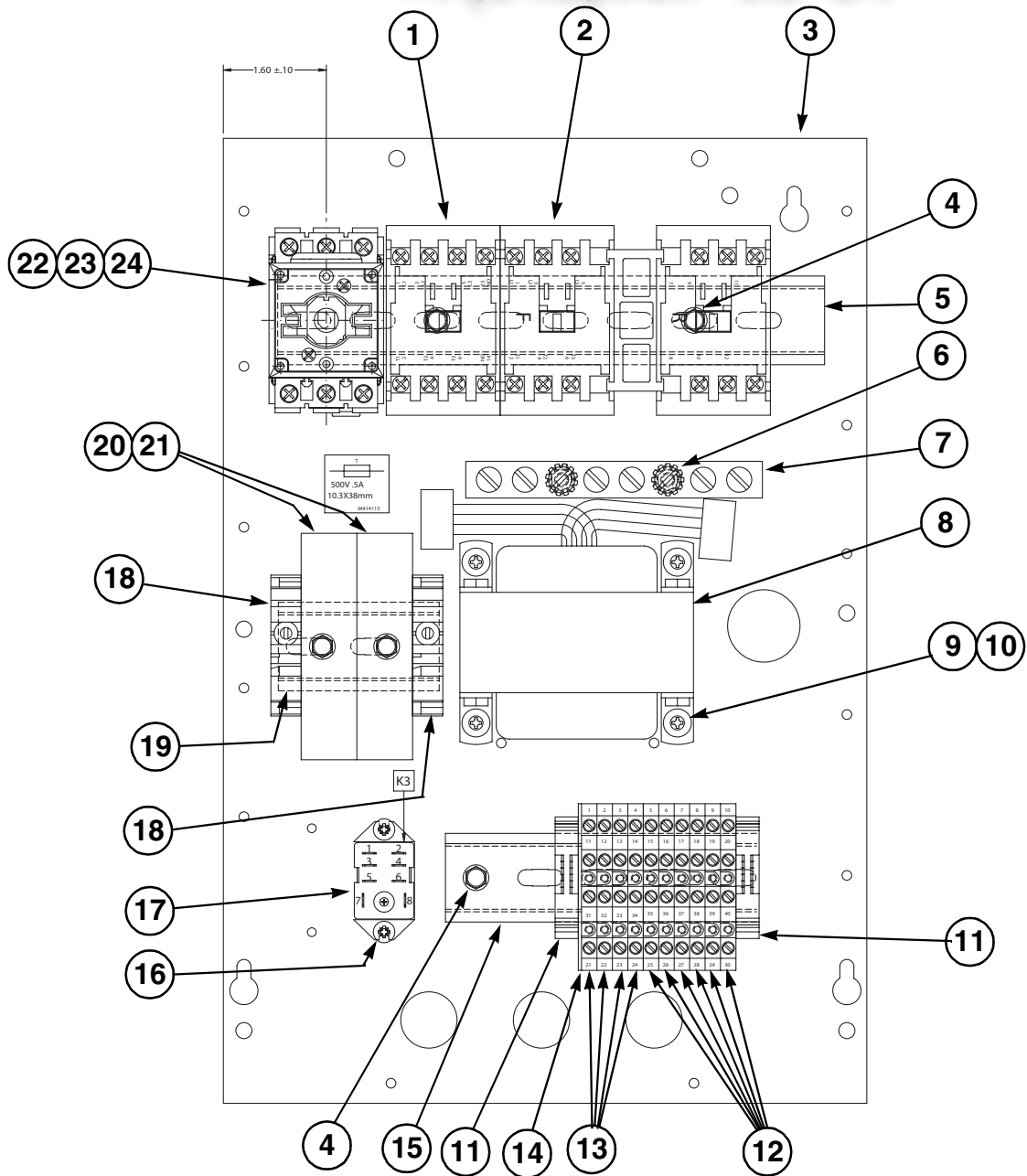
Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - RD

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TMB1551P

Contactor Box Assembly

Gas and Steam Models

380/400-415 Volt/ 50 Hertz/ 3 Phase - RD

REF	PART #	DESCRIPTION	COMMENTS
	TU20433	Harness Relay Assembly	
	TU20893	Harness Relay Assembly	Gas
	TU20434	Harness Transformer Assembly	Primary
	TU20042	Harness Transformer Assembly	Secondary
	TU20427	Harness Jump Assembly	
	TU20661	Reversing Contactor Jumper	Upper; 2 required
	TU20662	Reversing Contactor Jumper	Lower
	TU20426	Harness Assembly	Reversing contactor
	TU20827	Jumper Configuration Assembly	380 Volt
	TU20115	Capacitor Network Assembly	
1	TU20172	Contactor Motor	9 Amp
2	TU20657	Reversing Contactor	
3	TU20510	Junction Box	Bottom
4	TU20689	Screw	6 required
5	TU20230	Din Rail	
6	TU20456	Hex Nut	2 required
7	TU20392	Ground Buss	
8	TU20821	Multitap Transformer	
9	TU20704	Screw	4 required
10	TU20594	Keps Nut	4 required
11	TU20270	End Stop	230 Volt; 2 required
12	TU20780	Terminal Block	2 circuit; 6 required
13	TU20781	Terminal Block	1 circuit; 4 required
14	TU20267	End Barrier	
15	TU20885	Din Rail	
16	TU20709	Screw	2 required; Gas
17	TU20647	Relay	Gas
18	TU20271	End Stop	2 required
19	TU20236	Din Rail	
20	TU20346	Terminal Fuse Holder Block	2 required
21	TU20336	Fuse	600 Volt; .5 Amp; 2 required
22	TU20061	Base Mounting Switch	20 Amp
23	TU20300	Finger Guard	20 Amp
24	TU20276	Extension Handle	20 Amp

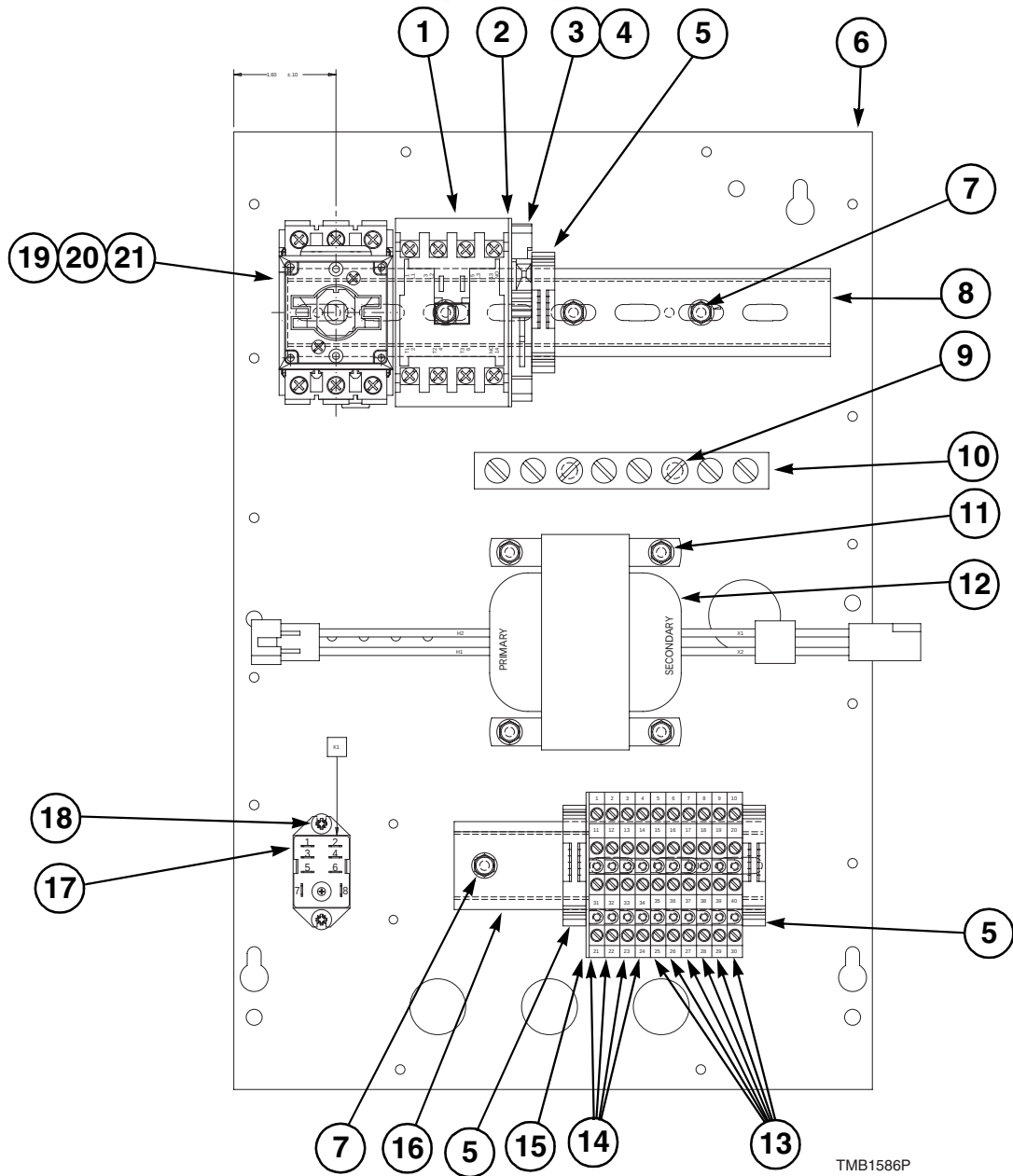
Contactor Box Assembly

Steam Models

230 Volt/ 50 Hertz/ 1 Phase - MT

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Contactor Box Assembly

Steam Models

230 Volt/ 50 Hertz/ 1 Phase - MT

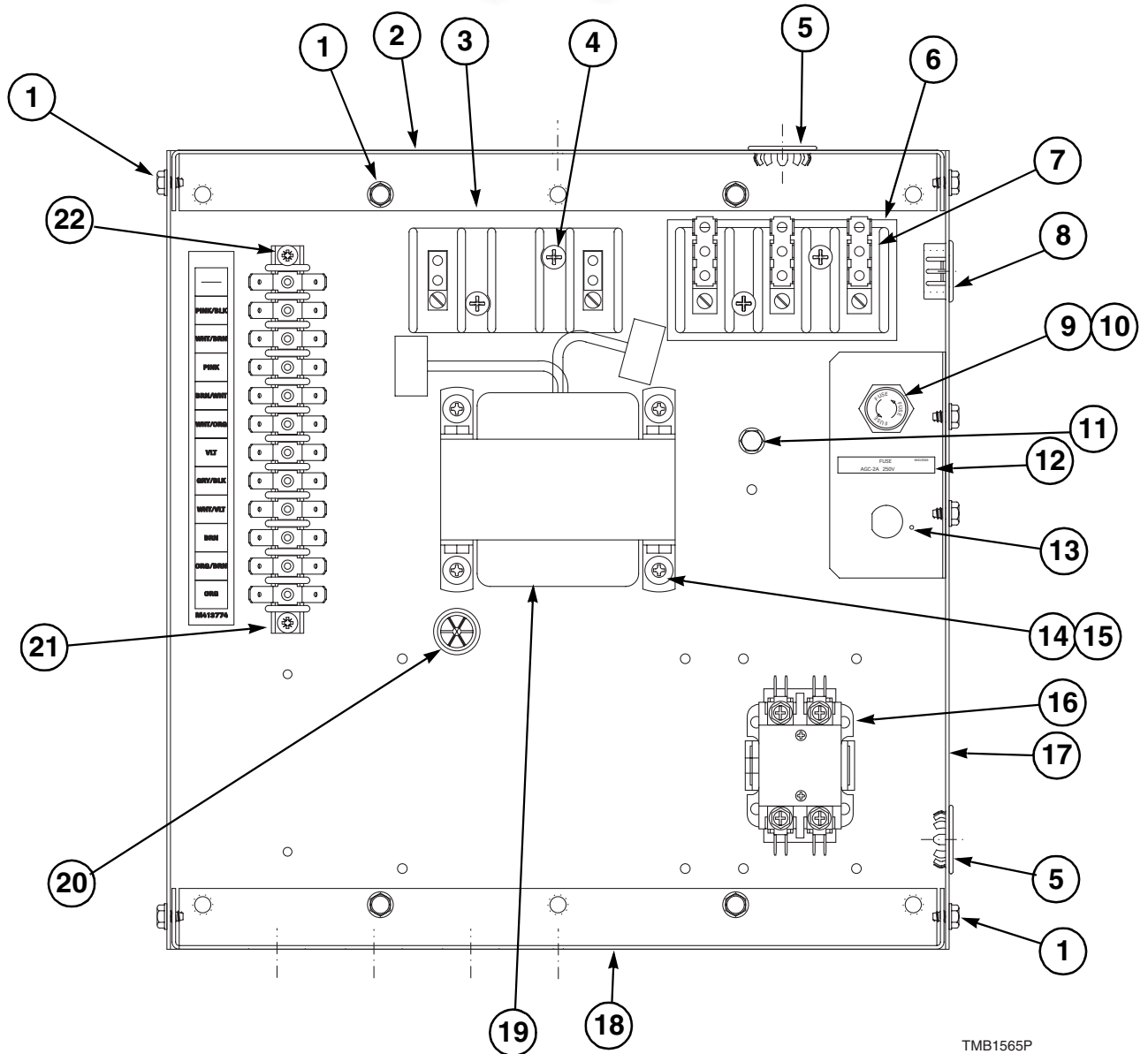
REF	PART #	DESCRIPTION	COMMENTS
	TU20650	Relay Harness	K1, K2
	TU20828	Transformer Harness	Secondary
	TU20423	Harness Assembly	Primary; 240 Volt
	TU20505	Harness Jumper Assembly	240 Volt
1	TU20172	Motor Contactor	9 Amp
2	TU20269	End Section	
3	TU20354	Fuse Holder	230 Volt; Primary
4	TU20333	Fuse	
5	TU20270	End Stop	230 Volt; 3 required
6	TU20510	Junction Box	Bottom
7	TU20689	Screw	5 required
8	TU20230	Din Rail	
9	TU20456	Hex Nut	2 required
10	TU20392	Ground Buss	
11	TU20680	Screw	4 required
12	TU20820	Transformer	230 Volt
13	TU20780	Terminal Block	2 circuit; 6 required
14	TU20781	Terminal Block	1 circuit; 4 required
15	TU20267	End Barrier	
16	TU20885	Din Rail	
17	TU20647	Relay	24 Volt
18	TU20686	Screw	2 required
19	TU20061	Base Mounting Switch	20 Amp
20	TU20300	Finger Guard	20 Amp
21	TU20276	Extension Handle	20 Amp

Contactor Box Assembly

Electric Models
240 Volt/ 50 Hertz/ 1 Phase - CD, DO, MT

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Contactor Box Assembly

Electric Models

240 Volt/ 50 Hertz/ 1 Phase - CD, DO, MT

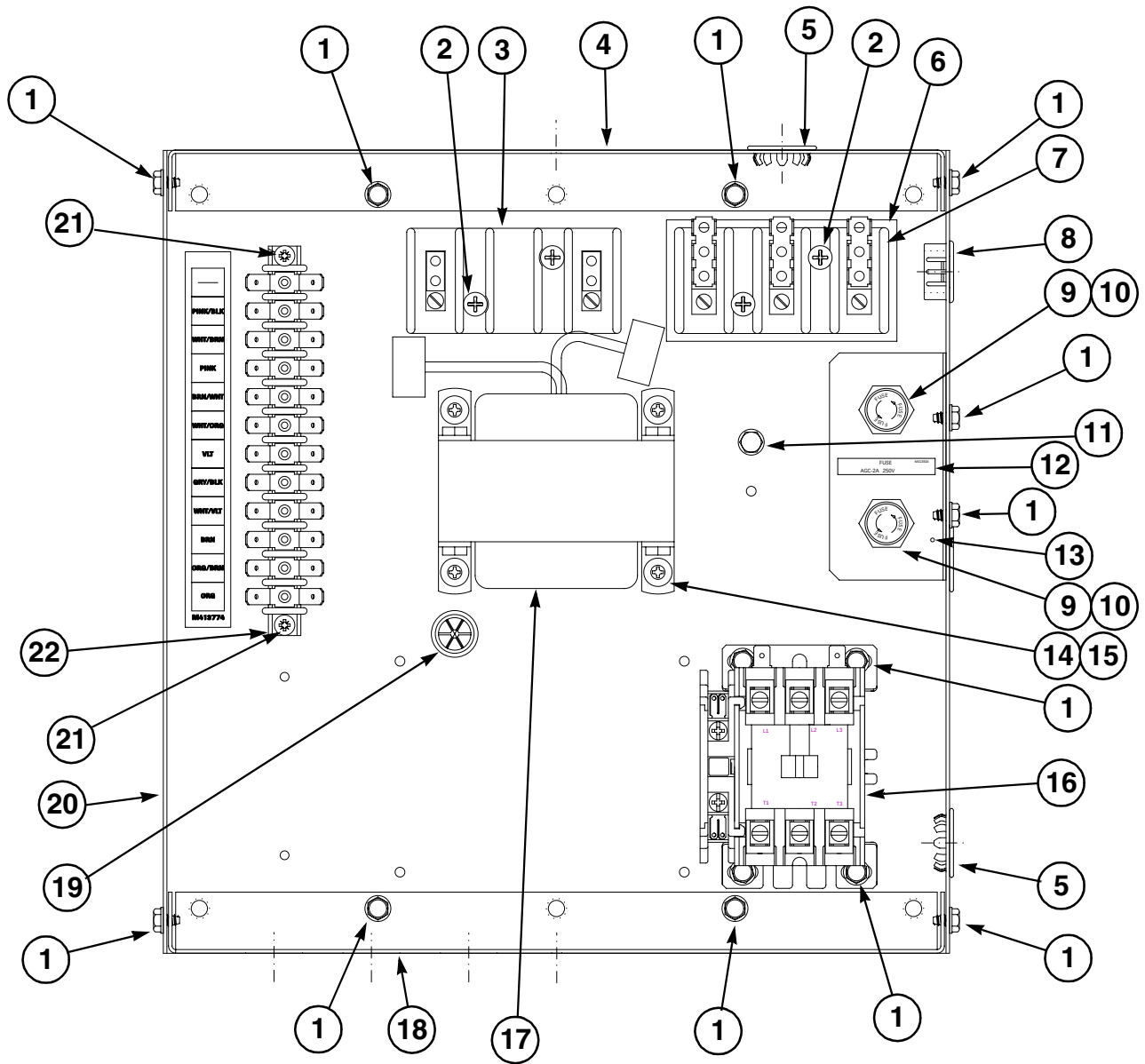
REF	PART #	DESCRIPTION	COMMENTS
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20420	Harness Assembly	1 Phase, 2 Wire
	TU20890	Harness Capacitor Network Assembly	DO models
	TU20115	Network Capacitor Assembly	DO models
1	TU20689	Tap Screw	14 required
2	TU20169	Contactor Box End	Top
3	TU20779	Terminal Block	2 pole
4	TU20717	Screw	4 required
5	TU20733	Snap In Plug Button	7/8 inch; 2 required
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20730	Snap Bushing	7/8 inch
9	TU20345	Fuse Holder	250 Volt
10	TU20335	Fuse	250 Volt; 2 Amp
11	TU20682	Tap Screw	DO models
12	TU20352	Fuse Sticker	2 Amp
13	TU20342	Fuse Bracket	
14	TU20704	Screw	4 required
15	TU20594	Keps Nut	4 required
16	TU20906	Contactor	
17	TU20171	Contactor Box Wrapper	
18	TU20170	Contactor Box End	Bottom
19	TU20588	Multitap Transformer	100-240 Volt
20	TU20732	Snap Bushing	5/8 inch
21	TU20783	Terminal Strip	12 circuit
22	TU20688	Screw	4 required

Contactor Box Assembly

Electric Models

200 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT
 200-208 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT
 240 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT
 240 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

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TMB1560P

Contactor Box Assembly

Electric Models

200 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

200-208 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

240 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

240 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20825	Jumper Configuration Assembly	208 Volt; Used only on 200-208 Volt/60 Hertz/3 Phase and 200Volt/50 Hertz/3 Phase models
	TU20826	Jumper Configuration Assembly	240 Volt; Used only on 240 Volt/50 Hertz/3 Phase; 240 Volt/60 Hertz/3 Phase models
	TU20424	Harness Assembly	3 Phase
	TU20890	Harness Capacitor Network Assembly	DO models
	TU20115	Network Capacitor Assembly	DO models
1	TU20689	Tap Screw	18 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	7/8 inch; 2 required
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20730	Snap Bushing	7/8 inch
9	TU20345	Fuse Holder	250 Volt; 2 required
10	TU20335	Fuse	250 Volt; 2 Amp; 2 required
11	TU20682	Tap Screw	DO models
12	TU20352	Fuse Sticker	2 Amp
13	TU20342	Fuse Bracket	
14	TU20704	Screw	4 required
15	TU20594	Keps Nut	4 required
16	TU20569	Fan Contactor	
17	TU20588	Multitap Transformer	100-240 Volt
18	TU20170	Contactor Box End	Bottom
19	TU20732	Snap Bushing	5/8 inch
20	TU20171	Contactor Box Wrapper	
21	TU20688	Tap Screw	2 required
22	TU20783	Terminal Strip	12 circuit

Contactor Box Assembly

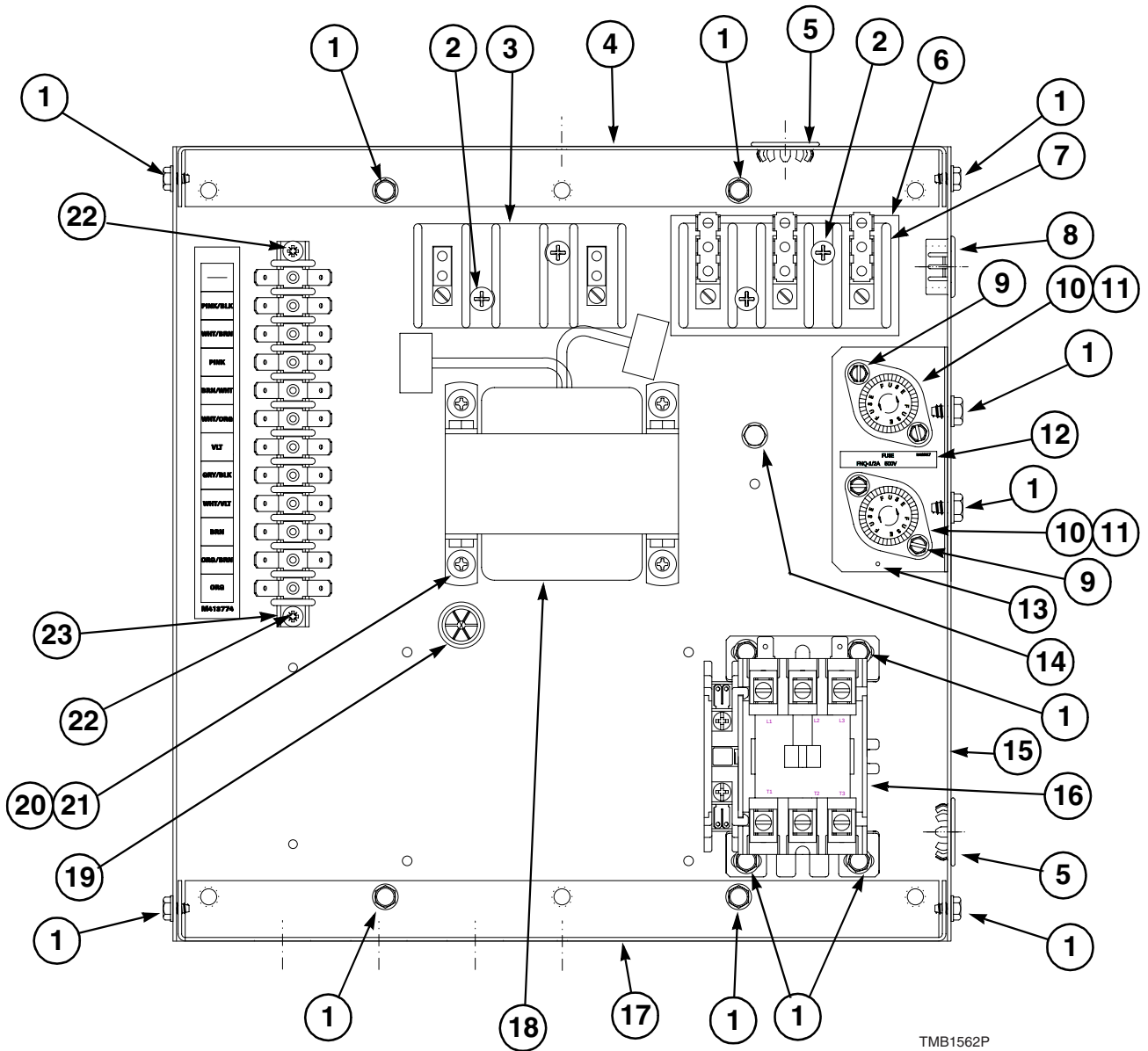
Electric Models

380 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

415 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

480 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

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TMB1562P

Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

415 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT

480 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20827	Jumper Configuration Assembly	Used only on 380 Volt/50 Hertz/3 Phase
	TU20010	Jumper Configuration Assembly	Used only on 415 Volt/50 Hertz/3 Phase
	TU20011	Jumper Configuration Assembly	Used only on 480 Volt/60 Hertz/3 Phase
	TU20424	Harness Assembly	3 Phase
	TU20890	Harness Capacitor Network Assembly	DO models
	TU20115	Network Capacitor Assembly	DO models
1	TU20689	Tap Screw	18 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	7/8 inch; 2 required
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20730	Snap Bushing	7/8 inch
9	TU20686	Tap Screw	4 required
10	TU20347	Fuse Holder	600 Volt; 2 required
11	TU20336	Fuse	500 Volt-1/2 Amp; 2 required
12	TU20353	Fuse Sticker	1/2 Amp
13	TU20343	Fuse Bracket	
14	TU20682	Tap Screw	DO models
15	TU20171	Contactor Box Wrapper	
16	TU20569	Fan Contactor	
17	TU20170	Contactor Box End	Bottom
18	TU20821	Multitap Transformer	380-480 Volt
19	TU20732	Snap Bushing	5/8 inch
20	TU20704	Screw	4 required
21	TU20594	Keps Nut	4 required
22	TU20688	Tap Screw	2 required
23	TU20783	Terminal Strip	12 circuit

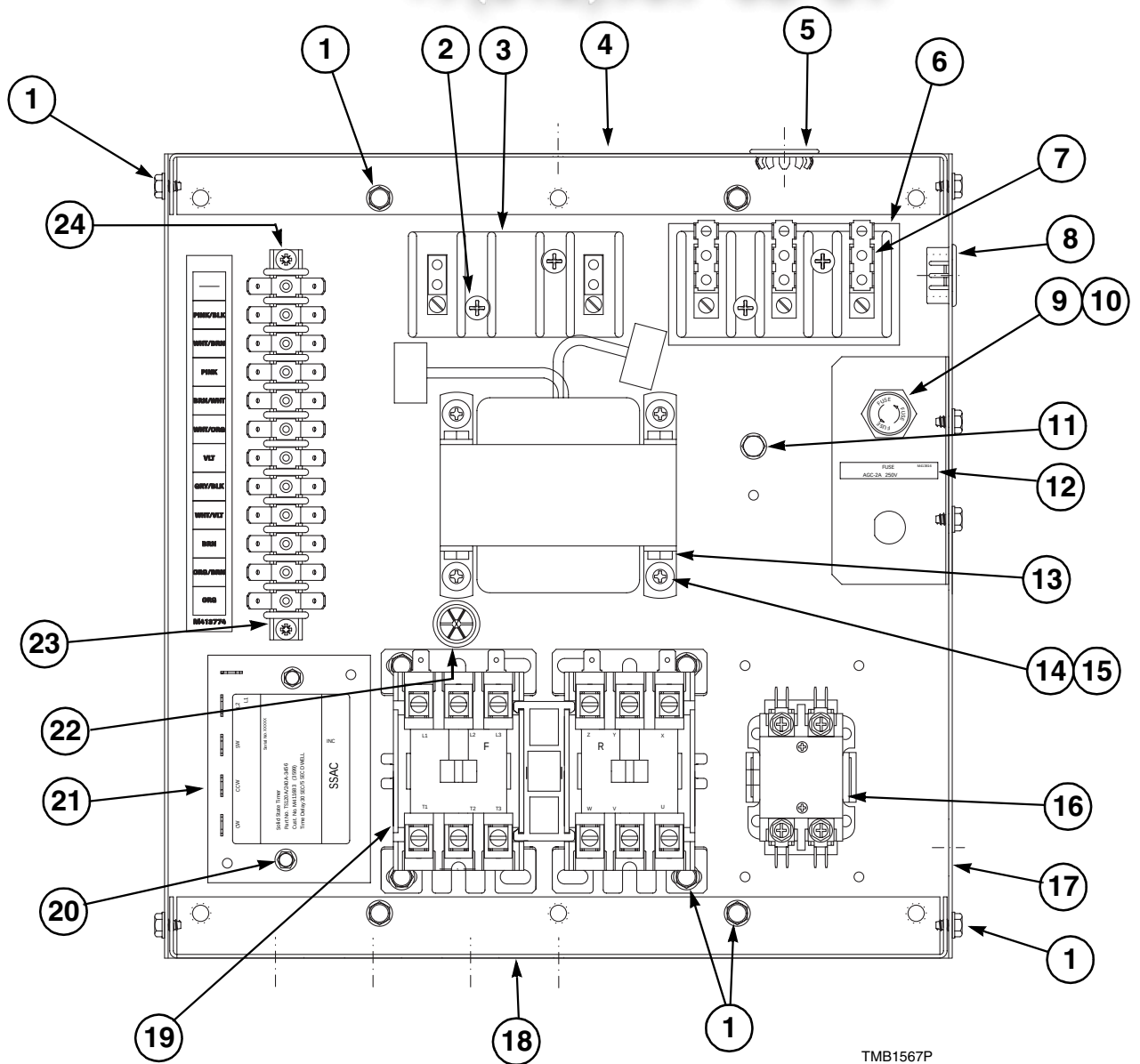
Contactor Box Assembly

Electric Models

240 Volt/ 50 Hertz/ 1 Phase - RD, RT

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TMB1567P

Contactor Box Assembly

Electric Models

240 Volt/ 50 Hertz/ 1 Phase - RD, RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20342	Fuse Bracket	1/2 inch
	TU20422	Harness Assembly	1 Phase; Reversing
	TU20493	Jumper Bypass Assembly	RD models
	TU20496	Jumper Assembly	Reversing Contactor; 1 Phase; Upper
	TU20497	Jumper Assembly	Reversing Contactor; 1 Phase; Lower
	TU20890	Harness Capacitor Network Assembly	RD models
	TU20115	Network Capacitor Assembly	RD models
	TU20666	Reversing Timer Harness Assembly	RT models
1	TU20689	Tap Screw	18 required
2	TU20717	Screw	4 required
3	TU20779	Terminal Block	2 pole
4	TU20169	Contactor Box End	Top
5	TU20733	Snap In Plug Button	7/8 inch
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20730	Snap Bushing	7/8 inch
9	TU20345	Fuse Holder	250 Volt
10	TU20335	Fuse	250 Volt; 2 Amp
11	TU20682	Tap Screw	RD models
12	TU20352	Fuse Sticker	2 Amp
13	TU20588	Multitap Transformer	100-240 Volt
14	TU20704	Screw	4 required
15	TU20594	Keps Nut	4 required
16	TU20906	Contactor	
17	TU20171	Contactor Box Wrapper	
18	TU20170	Contactor Box End	Bottom
19	TU20658	Reversing Contactor	
20	TU20770	Tap Screw	2 required; RT models
21	TU20663	Reversing Timer	24 Volt; RT models
22	TU20732	Snap Bushing	5/8 inch
23	TU20783	Terminal Strip	12 circuit
24	TU20688	Screw	4 required

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Contactor Box Assembly

Electric Models

200 Volt/ 50 Hertz/ 3 Phase - RD, RT
 200-208 Volt/ 60 Hertz/ 3 Phase - RD, RT
 240 Volt/ 50 Hertz/ 3 Phase - RD, RT
 240 Volt/ 60 Hertz/ 3 Phase - RD, RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20825	Jumper Configuration Assembly	208 volt; Used only on 200-208 Volt/60 Hertz/3 Phase and 200Volt/50 Hertz/3 Phase RD and RT models
	TU20826	Jumper Configuration Assembly	240 Volt; Used only on 240 Volt/50 Hertz/3 Phase and 240 Volt/60 Hertz/3 Phase RD and RT models
	TU20425	Harness Assembly	3 Phase; Reversing
	TU20666	Harness Assembly	RT models
	TU20493	Jumper Assembly	Bypass; RD models
	TU20494	Jumper Assembly	Reversing contactor; 3 Phase; Upper
	TU20495	Jumper Assembly	Reversing contactor; 3 Phase; Lower
	TU20890	Harness Capacitor Network Assembly	RD models
	TU20115	Network Capacitor Assembly	RD models
1	TU20689	Tap Screw	22 required
2	TU20169	Contactor Box End	Top
3	TU20717	Screw	4 required
4	TU20779	Terminal Block	2 pole
5	TU20733	Snap In Plug Button	7/8 inch
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20730	Snap Bushing	7/8 inch
9	TU20345	Fuse Holder	250 Volt; 2 required
10	TU20335	Fuse	250 Volt; 2 Amp; 2 required
11	TU20682	Tap Screw	RD models
12	TU20352	Fuse Sticker	2 Amp
13	TU20342	Fuse Bracket	
14	TU20588	Multitap Transformer	100-240 Volt
15	TU20569	Fan Contactor	
16	TU20170	Contactor Box End	Bottom
17	TU20770	Tap Screw	2 required; RT models
18	TU20658	Reversing Contactor	
19	TU20663	Reversing Timer	24 Volt; RT models
20	TU20732	Snap Bushing	5/8 inch
21	TU20704	Screw	4 required
22	TU20594	Keps Nut	4 required
23	TU20688	Tap Screw	2 required
24	TU20783	Terminal Strip	12 circuit
25	TU20171	Contactor Box Wrapper	

Contactor Box Assembly

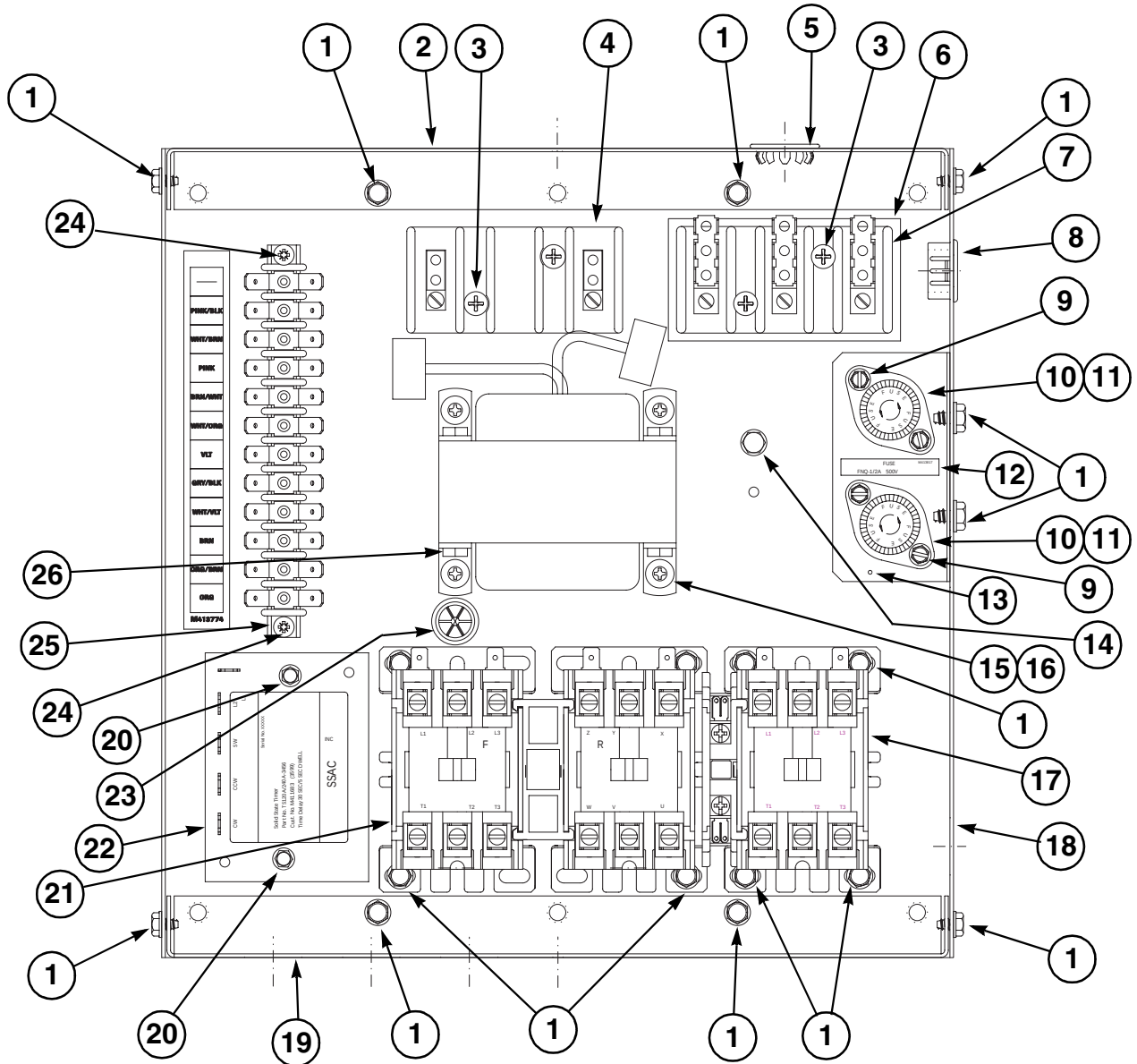
Electric Models

380 Volt/ 50 Hertz/ 3 Phase - RD, RT

415 Volt/ 50 Hertz/ 3 Phase - RD, RT

480 Volt/ 60 Hertz/ 3 Phase - RD, RT

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TMB1568P

Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - RD, RT

415 Volt/ 50 Hertz/ 3 Phase - RD, RT

480 Volt/ 60 Hertz/ 3 Phase - RD, RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20827	Jumper Configuration Assembly	Used only on 380 Volt/50 Hertz/3 Phase RD and RT models
	TU20010	Jumper Configuration Assembly	Used only on 415 Volt/50 Hertz/3 Phase RD and RT models
	TU20011	Jumper Configuration Assembly	Used only on 480 Volt/60 Hertz/3 Phase RD and RT models
	TU20425	Harness Assembly	3 Phase; Reversing
	TU20493	Jumper Bypass Assembly	RD models
	TU20494	Jumper Assembly	Reversing Contactor; 3 Phase; Upper
	TU20495	Jumper Assembly	Reversing Contactor; 3 Phase; Lower
	TU20890	Harness Capacitor Network Assembly	RD models
	TU20115	Network Capacitor Assembly	RD models
	TU20666	Reverse Timer Harness Assembly	RT models
1	TU20689	Tap Screw	22 required
2	TU20169	Contactor Box End	Top
3	TU20717	Screw	4 required
4	TU20779	Terminal Block	2 pole
5	TU20733	Snap In Plug Button	7/8 inch
6	TU20487	Insulator	
7	TU20777	Terminal Block	3 pole
8	TU20730	Snap Bushing	7/8 inch
9	TU20686	Tap Screw	4 required
10	TU20347	Fuse Holder	600 Volt; 2 required
11	TU20336	Fuse	500 Volt-1/2 Amp; 2 required
12	TU20353	Fuse Sticker	1/2 Amp
13	TU20343	Fuse Bracket	
14	TU20682	Tap Screw	RD models
15	TU20704	Screw	4 required
16	TU20594	Keps Nut	4 required
17	TU20569	Fan Contactor	
18	TU20171	Contactor Box Wrapper	
19	TU20170	Contactor Box End	Bottom
20	TU20770	Tap Screw	2 required; RT models
21	TU20658	Reversing Contactor	
22	TU20663	Reversing Timer	24 Volt; RT models
23	TU20732	Snap Bushing	5/8 inch
24	TU20688	Tap Screw	2 required
25	TU20783	Terminal Strip	12 circuit
26	TU20821	Multitap Transformer	380-480 Volt

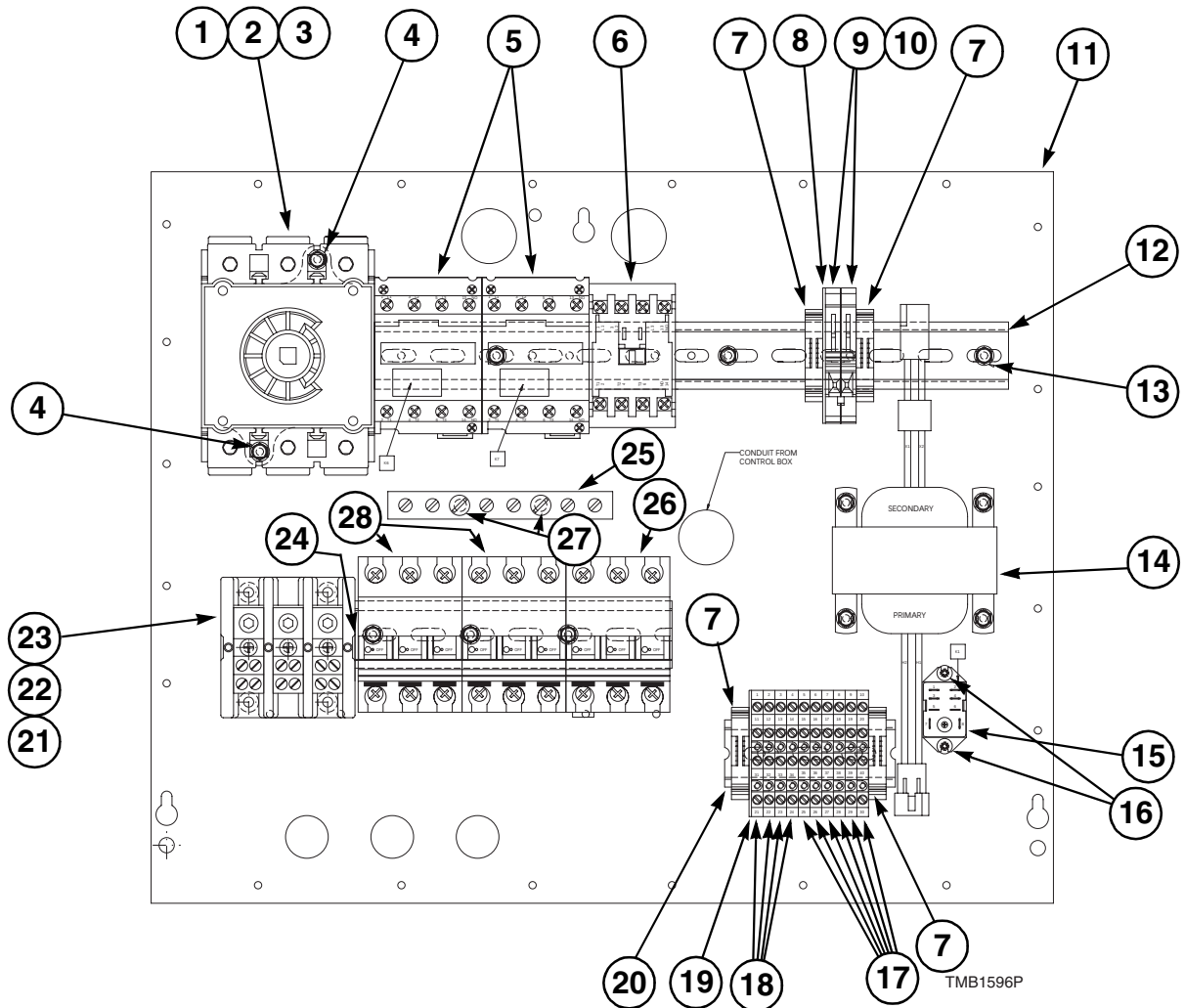
Contactor Box Assembly

Electric Models

230 Volt/ 50 Hertz/ 3 Phase - CD, MT

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Contactor Box Assembly

Electric Models

230 Volt/ 50 Hertz/ 3 Phase - CD, MT

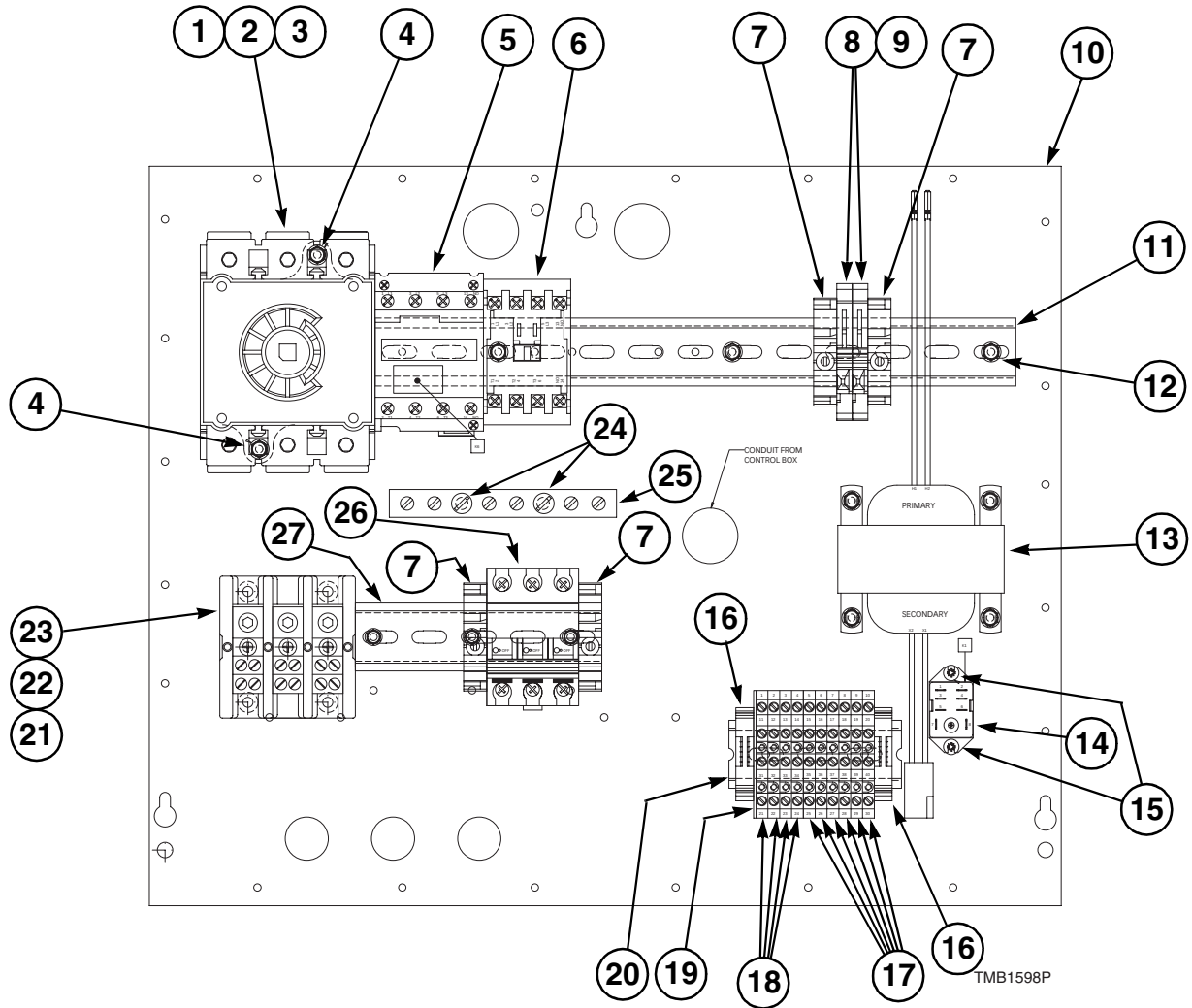
REF	PART #	DESCRIPTION	COMMENTS
	TU20653	Relay Harness	MT models
	TU20654	Relay Harness	CD models
	TU20828	Transformer Harness	Secondary
	TU20423	Transformer Harness	Primary
	TU20509	Jumper Wire	240 Volt; 3 Phase
	TU20503	Jumper Cable	6 required
	TU20853	Wire	3 required
	TU20500	Wire	3 required
	TU20501	Wire	3 required
	TU20015	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guard	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	6 required
5	TU20259	Electric Contactor	50 Amp; 2 required
6	TU20172	Motor Contactor	9 Amp
7	TU20270	End Stop	230 Volt; 4 required
8	TU20269	End Section	230 Volt
9	TU20354	Fuseholder	230 Volt; Primary; 2 required
10	TU20333	Fuse	250 Volt; 2 required
11	TU20168	Contactor Box	Bottom
12	TU20232	Din Rail	13.0 inch
13	TU20689	Screw	9 required
14	TU20820	Transformer	240 Volt
15	TU20647	Relay	MT models
16	TU20686	Screw	2 required; MT models
17	TU20780	Terminal Block	2 circuit; 6 required
18	TU20781	Terminal Block	1 circuit; 4 required
19	TU20267	End Barrier	
20	TU20233	Din Rail	3.5 inch
21	TU20526	Screw	4 required
22	TU20782	Power Distribution Block	3 pole
23	TU20075	Power Distribution Block Cover	
24	TU20234	Din Rail	6.5 inch
25	TU20392	Ground Buss	
26	TU20135	Circuit Breaker	3 pole 8 Amp
27	TU20456	Hex Nut	2 required
28	TU20136	Circuit Breaker	3 pole; 50 Amp; 2 required

Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - CD, MT
400-415 Volt/ 50 Hertz/ 3 Phase - CD, MT

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Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - CD, MT

400-415 Volt/ 50 Hertz/ 3 Phase - CD, MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20651	Relay Harness	MT models
	TU20652	Relay Harness	CD models
	TU20828	Transformer Harness	Secondary
	TU20508	Jumper Wire	400 Volt; 3 Phase
	TU20013	Jumper Cable	3 required
	TU20853	Wire	3 required
	TU20502	Wire	3 required
	TU20015	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guard	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	6 required
5	TU20259	Electric Contactor	50 Amp
6	TU20172	Motor Contactor	9 Amp
7	TU20271	End Stop	400 Volt; 6 required
8	TU20346	Fuseholder	400 Volt; Primary; 2 required
9	TU20334	Fuse	2 required
10	TU20168	Contactor Box	Bottom
11	TU20232	Din Rail	13.0 inch
12	TU20689	Screw	9 required
13	TU20819	Transformer	400 Volt
14	TU20647	Relay	MT models
15	TU20686	Screw	2 required; MT models
16	TU20270	End Stop	230 Volt; 2 required
17	TU20780	Terminal Block	2 circuit; 6 required
18	TU20781	Terminal Block	1 circuit; 4 required
19	TU20267	End Barrier	
20	TU20233	Din Rail	3.5 inch
21	TU20526	Screw	4 required
22	TU20075	Power Distribution Block Cover	
23	TU20782	Power Distribution Block	3 pole
24	TU20456	Hex Nut	2 required
25	TU20392	Ground Buss	
26	TU20135	Circuit Breaker	3 pole; 8 Amp
27	TU20231	Din Rail	5.0 inch

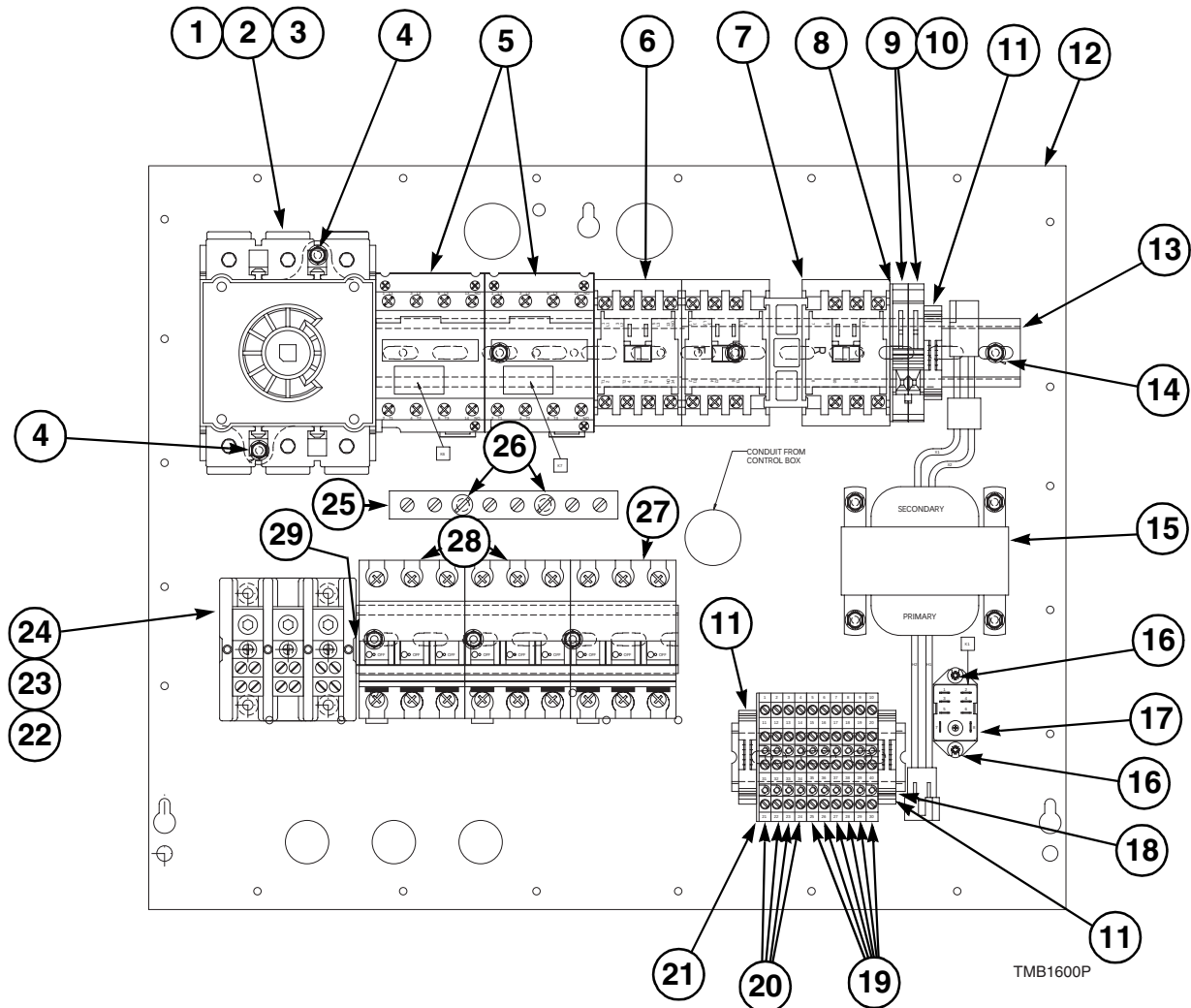
Contactor Box Assembly

Electric Models

230 Volt/ 50 Hertz/ 3 Phase - RT

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Contactor Box Assembly

Electric Models

230 Volt/ 50 Hertz/ 3 Phase - RT

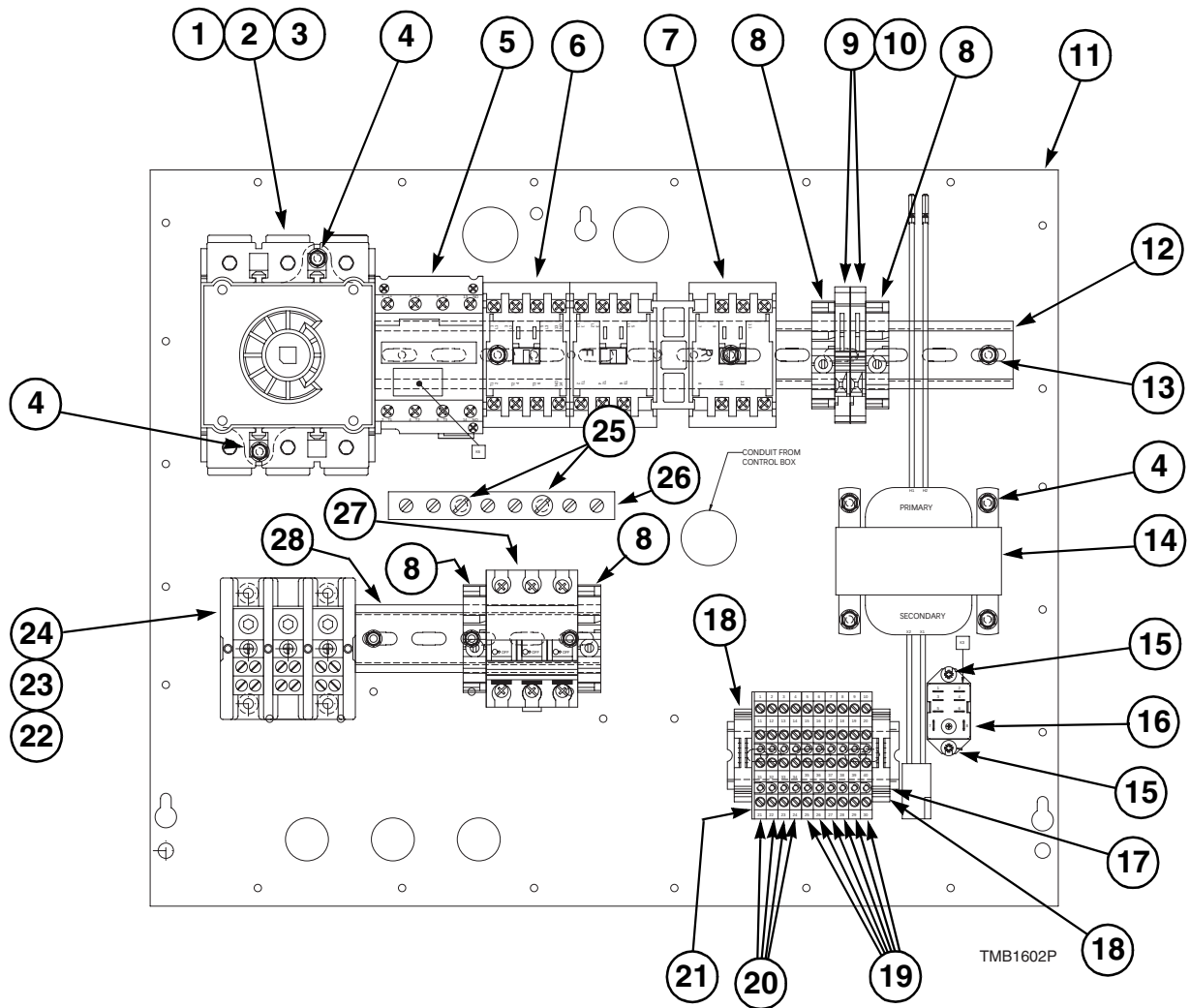
REF	PART #	DESCRIPTION	COMMENTS
	TU20651	Relay Harness	
	TU20828	Transformer Harness	Secondary
	TU20423	Transformer Harness	Primary
	TU20509	Jumper Wire	240 Volt; 3 Phase
	TU20503	Jumper Cable	8 gauge; 6 required
	TU20665	Reversing Timer Harness	
	TU20661	Reversing Contactor Jumper	3 Phase; Upper; 2 required
	TU20662	Reversing Contactor Jumper	3 Phase; Lower
	TU20853	Wire	3 required
	TU20500	Wire	3 required
	TU20501	Wire	3 required
	TU20015	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guard	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	6 required
5	TU20259	Electric Contactor	50 Amp; 2 required
6	TU20172	Motor Contactor	9 Amp
7	TU20657	Reversing Contactor	
8	TU20269	End Section	230 Volt
9	TU20354	Fuseholder	230 Volt; Primary; 2 required
10	TU20333	Fuse	250 Volt; 2 required
11	TU20270	End Stop	230 Volt; 3 required
12	TU20168	Contactor Box	Bottom
13	TU20232	Din Rail	13.0 inch
14	TU20689	Screw	12 required
15	TU20820	Transformer	240 Volt
16	TU20686	Screw	2 required
17	TU20647	Relay	24 Volt
18	TU20233	Din Rail	3.5 inch
19	TU20780	Terminal Block	2 circuit; 6 required
20	TU20781	Terminal Block	1 circuit; 4 required
21	TU20267	End Barrier	
22	TU20526	Screw	4 required
23	TU20075	Power Distribution Block Cover	
24	TU20782	Power Distribution Block	3 pole
25	TU20392	Ground Buss	
26	TU20456	Hex Nut	2 required
27	TU20135	Circuit Breaker	3 pole; 8 Amp
28	TU20136	Circuit Breaker	3 pole; 50 Amp; 2 required
29	TU20231	Din Rail	6.5 inch

Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - RT
400-415 Volt/ 50 Hertz/ 3 Phase - RT

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Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - RT
400-415 Volt/ 50 Hertz/ 3 Phase - RT

REF	PART #	DESCRIPTION	COMMENTS
	TU20651	Relay Harness	
	TU20828	Transformer Harness	Secondary
	TU20508	Jumper Wire	400 Volt; 3 Phase
	TU20013	Jumper Cable	8 gauge; 3 required
	TU20665	Reversing Timer Harness	
	TU20661	Reversing Contactor Jumper	3 Phase; Upper; 2 required
	TU20662	Reversing Contactor Jumper	3 Phase; Lower
	TU20853	Wire	3 required
	TU20502	Wire	3 required
	TU20015	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guard	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	6 required
5	TU20259	Electric Contactor	50 Amp
6	TU20172	Motor Contactor	9 Amp
7	TU20657	Reversing Contactor	
8	TU20271	End Stop	400 Volt; 4 required
9	TU20346	Fuseholder	400 Volt; Primary; 2 required
10	TU20334	Fuse	2 required
11	TU20168	Contactor Box	Bottom
12	TU20232	Din Rail	13.0 inch
13	TU20689	Screw	10 required
14	TU20819	Transformer	400 Volt
15	TU20686	Screw	2 required
16	TU20647	Relay	
17	TU20235	Din Rail	3.5 inch
18	TU20270	End Stop	230 Volt; 2 required
19	TU20780	Terminal Block	2 circuit; 6 required
20	TU20781	Terminal Block	1 circuit; 4 required
21	TU20267	End Barrier	
22	TU20526	Screw	4 required
23	TU20075	Power Distribution Block Cover	
24	TU20782	Power Distribution Block	3 pole
25	TU20456	Hex Nut	2 required
26	TU20392	Ground Buss	
27	TU20135	Circuit Breaker	3 pole; 8 Amp
28	TU20231	Din Rail	5.0 inch

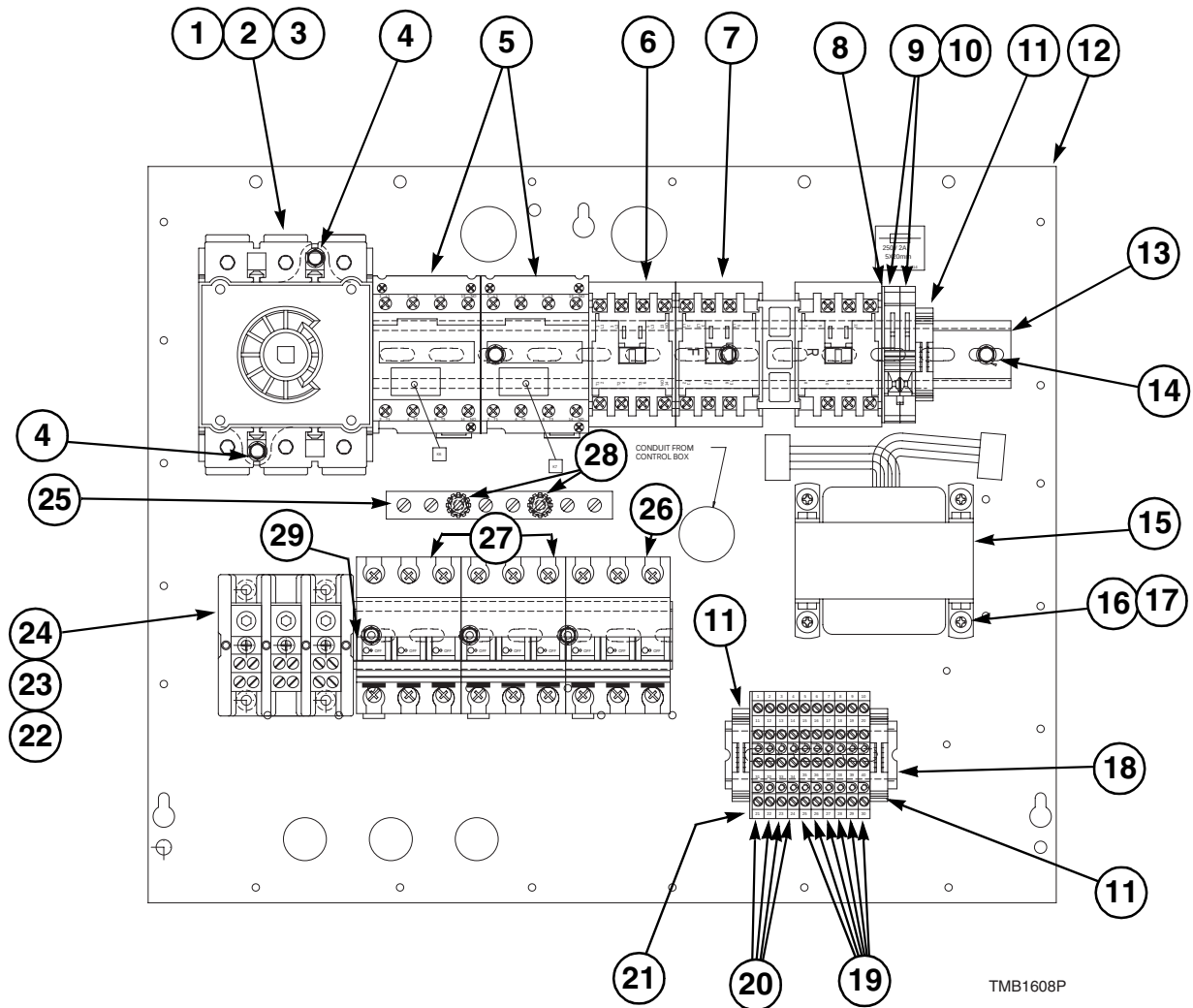
Contactor Box Assembly

Electric Models

230 Volt/ 50 Hertz/ 3 Phase - DO

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Contactor Box Assembly

Electric Models

230 Volt/ 50 Hertz/ 3 Phase - DO

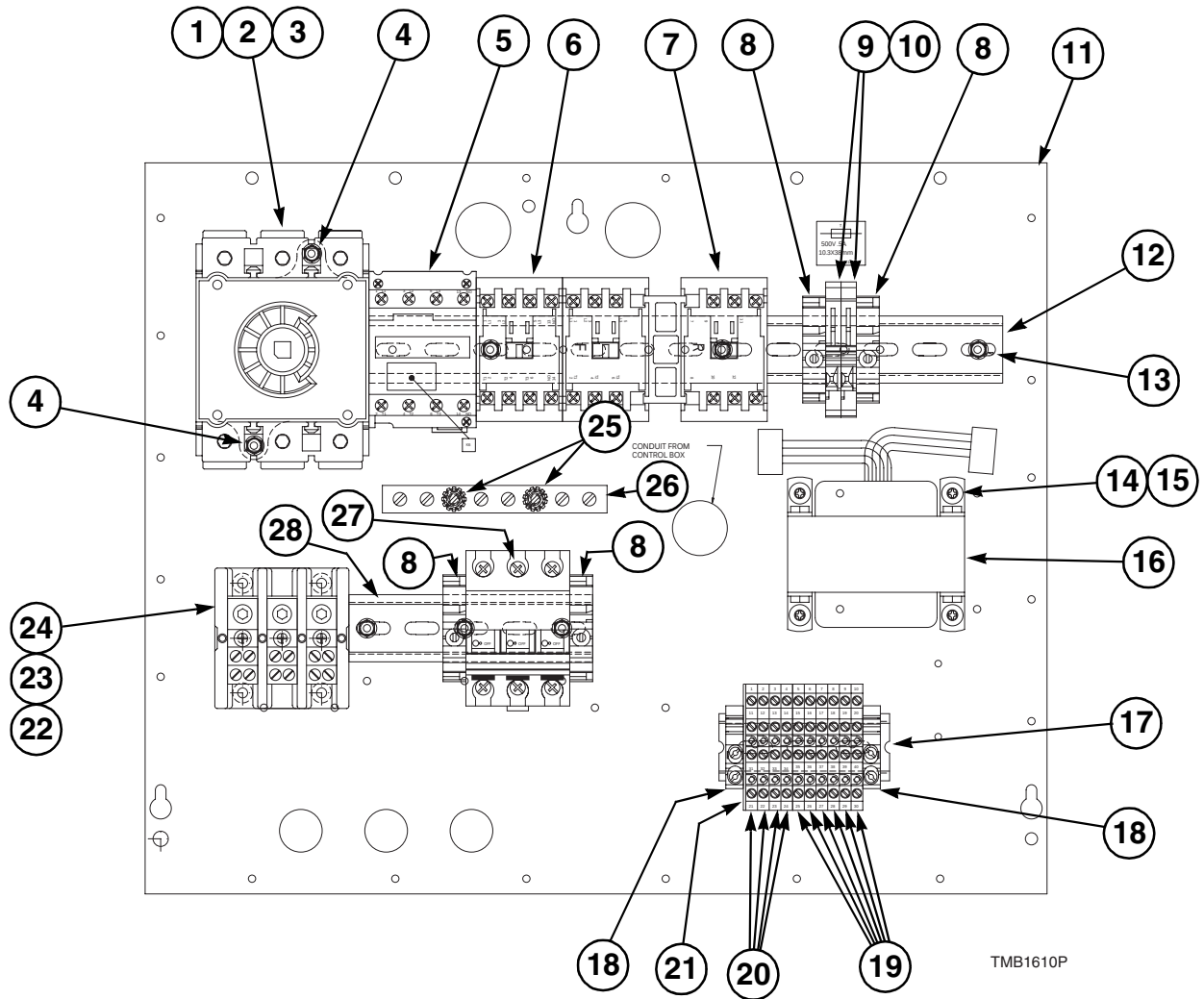
REF	PART #	DESCRIPTION	COMMENTS
	TU20189	Ferrite Core	
	TU20115	Capacitor Network Assembly	
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20434	Harness Transformer Assembly	Primary; 3 Phase
	TU20042	Harness Transformer Assembly	Secondary
	TU20503	Jumper Cable	8 gauge; 6 required
	TU20426	Reversing Contactor Harness Assembly	
	TU20661	Reversing Contactor Jumper	3 Phase; Upper; 2 required
	TU20662	Reversing Contactor Jumper	3 Phase; Lower
	TU20891	Harness Relay Assembly	
	TU20429	Harness Jumper Assembly	3 Phase
	TU20853	Wire	3 required
	TU20500	Wire	3 required
	TU20501	Wire	3 required
	TU20015	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guardt	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	2 required
5	TU20259	Electric Contactor	50 Amp; 2 required
6	TU20172	Motor Contactor	9 Amp
7	TU20657	Reversing Contactor	
8	TU20269	End Section	230 Volt
9	TU20354	Fuseholder	230 Volt; Primary; 2 required
10	TU20338	Fuse	2 Amp; 250 Volt; 2 required
11	TU20270	End Stop	230 Volt; 3 required
12	TU20168	Contactor Box	Bottom
13	TU20232	Din Rail	13.0 inches
14	TU20689	Screw	12 required
15	TU20588	Multitap Transformer	100-240
16	TU20704	Screw	4 required
17	TU20594	Keps Nut	4 required
18	TU20233	Din Rail	3.5 inches
19	TU20780	Terminal Block	2 circuit; 6 required
20	TU20781	Terminal Block	1 circuit; 4 required
21	TU20267	End Barrier	
22	TU20526	Screw	4 required
23	TU20075	Power Distribution Block Cover	
24	TU20782	Power Distribution Block	3 pole
25	TU20392	Ground Buss	
26	TU20135	Circuit Breaker	3 pole; 8 Amp
27	TU20136	Circuit Breaker	3 pole; 50 Amp; 2 required
28	TU20456	Hex Nut	2 required
29	TU20231	Din Rail	6.5 inches

Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - RD
400-415 Volt/ 50 Hertz/ 3 Phase - RD

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Contactor Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - RD

400-415 Volt/ 50 Hertz/ 3 Phase - RD

REF	PART #	DESCRIPTION	COMMENTS
	TU20189	Ferrite Core	
	TU20115	Capacitor Network Assembly	
	TU20827	Jumper Configuration Assembly	Used only on 380 Volt/50 Hertz/3 Phase models
	TU20010	Jumper Configuration Assembly	Used only on 415 Volt/50 Hertz/3 Phase models
	TU20013	Jumper Cable	8 gauge; 3 required
	TU20892	Harness Relay Assembly	
	TU20426	Reversing Contactor Harness Assembly	
	TU20434	Harness Transformer Assembly	Primary; 3 Phase
	TU20042	Harness Transformer Assembly	Secondary
	TU20430	Harness Jumper Assembly	3 Phase
	TU20661	Reversing Contactor Jumper	3 Phase; Upper; 2 required
	TU20662	Reversing Contactor Jumper	3 Phase; Lower
	TU20853	Wire	3 required
	TU20502	Wire	3 required
	TU20015	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guard	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	2 required
5	TU20259	Electric Contactor	50 Amp
6	TU20172	Motor Contactor	9 Amp
7	TU20657	Reversing Contactor	
8	TU20271	End Stop	400 Volt; 2 required
9	TU20346	Fuseholder	400 Volt; Primary; 2 required
10	TU20336	Fuse	600 Volt; .5 Amp; 2 required
11	TU20168	Contactor Box	Bottom
12	TU20232	Din Rail	13.0 inch
13	TU20689	Screw	9 required
14	TU20704	Screw	4 required
15	TU20594	Keps Nut	4 required
16	TU20821	Multitap Transformer	380-480 Volt
17	TU20233	Din Rail	3.5 inch
18	TU20270	End Stop	2 required
19	TU20780	Terminal Block	2 circuit; 6 required
20	TU20781	Terminal Block	1 circuit; 4 required
21	TU20267	End Barrier	
22	TU20782	Power Distribution Block	3 pole
23	TU20075	Power Distribution Block Cover	
24	TU20526	Screw	4 required
25	TU20456	Hex Nut	2 required
26	TU20392	Ground Buss	
27	TU20135	Circuit Breaker	3 pole; 8 Amp
28	TU20231	Din Rail	5.0 inch

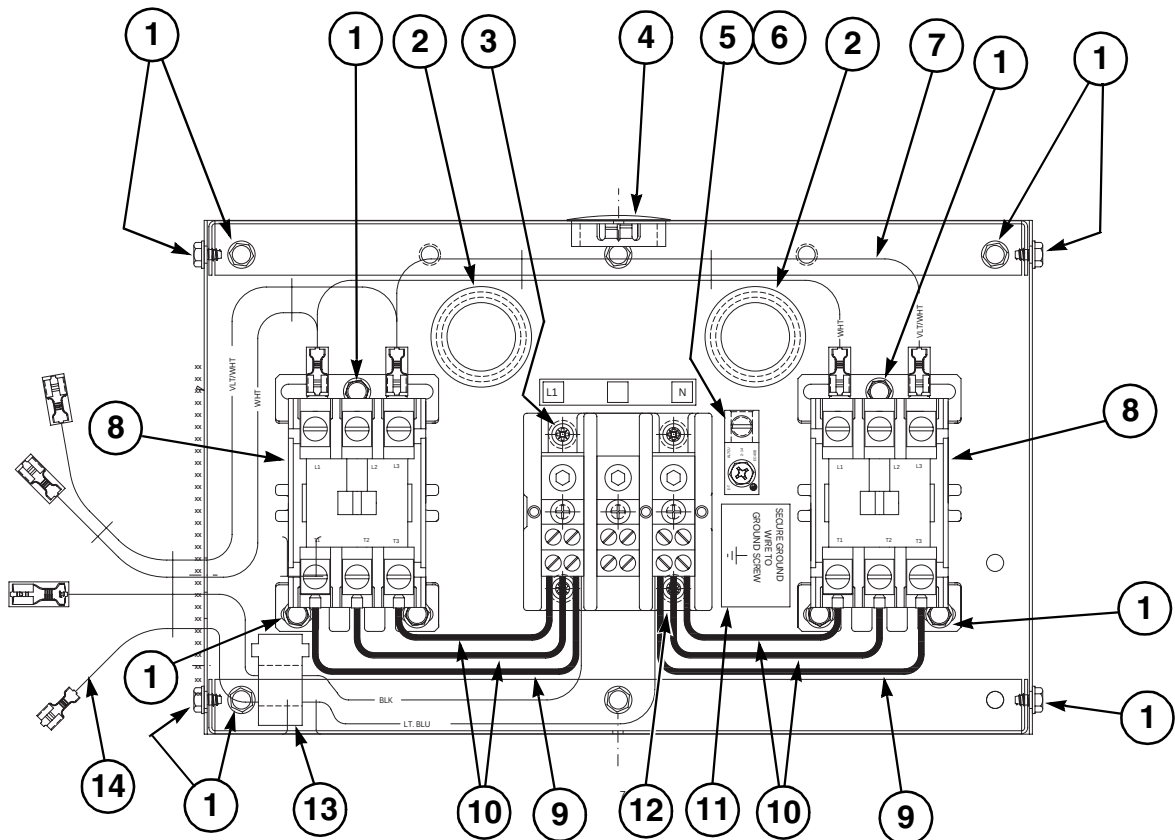
Accessory Box Assembly

Electric Models

240 Volt/ 50 Hertz/ 1 Phase - CD, DO, MT, RD, RT

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TMB1570P

Accessory Box Assembly

Electric Models

240 Volt/ 50 Hertz/ 1 Phase - CD, DO, MT, RD, RT

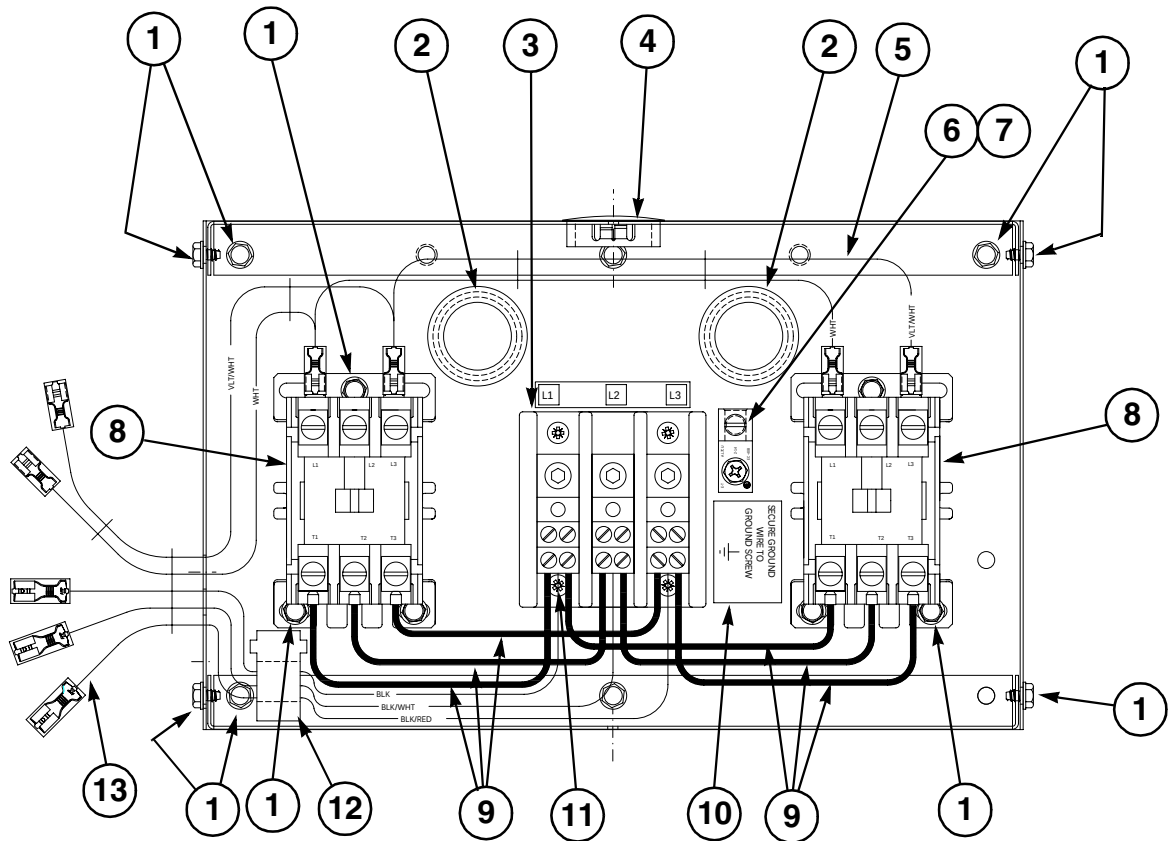
REF	PART #	DESCRIPTION	COMMENTS
1	TU20689	Tap Screw	18 required
2	TU20731	Snap Bushing	1 3/8 inch; 2 required
3	TU20526	Tap Screw	4 required
4	TU20467	Hole Plug	1 3/8 inch
5	TU20395	Ground Screw	
6	TU20393	Ground Lug Connector	
7	TU20431	Harness Jumper Set Assembly	
8	TU20166	Contactors	2 required
9	TU20015	Jumper Cable Assembly	2 required
10	TU20014	Jumper Cable Assembly	4 required
11	TU20394	Ground Marker	Electrical
12	TU20782	Power Distribution Block	3 pole
13	TU20189	Core Ferrite Assembly	DO and RD models
14	TU20419	Harness Accessory Box Assembly	1 Phase

Accessory Box Assembly

Electric Models

200 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT
 200-208Volt/ 60 Hertz/ 3 Phase - CD, DO, MT, RD, RT
 240 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT
 240 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT, RD, RT

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TMB1572P

Accessory Box Assembly

Electric Models

200 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT

200-208Volt/ 60 Hertz/ 3 Phase - CD, DO, MT, RD, RT

240 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT

240 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT, RD, RT

REF	PART #	DESCRIPTION	COMMENTS
1	TU20689	Tap Screw	18 required
2	TU20731	Snap Bushing	1 3/8 inch; 2 required
3	TU20782	Power Distribution Block	3 pole
4	TU20467	Hole Plug	1 3/8 inch
5	TU20431	Harness Jumper Set Assembly	
6	TU20395	Ground Screw	
7	TU20393	Ground Lug Connector	
8	TU20166	Contactator	2 required
9	TU20014	Jumper Cable Assembly	6 required
10	TU20394	Ground Marker	Electrical
11	TU20526	Tap Screw	4 required
12	TU20189	Core Ferrite Assembly	DO and RD models
13	TU20418	Harness Accessory Box Assembly	3 Phase

Accessory Box Assembly

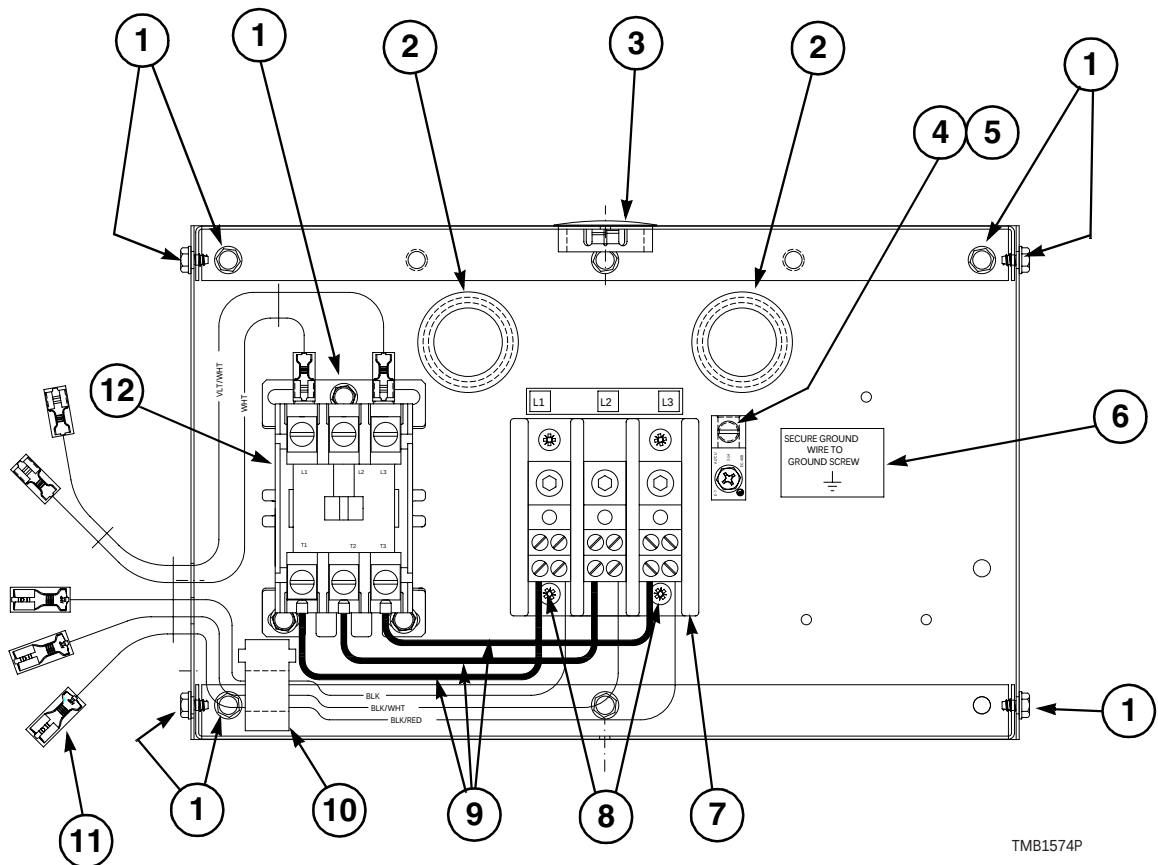
Electric Models

380 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT

415 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT

480 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT, RD, RT

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TMB1574P

Accessory Box Assembly

Electric Models

380 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT

415 Volt/ 50 Hertz/ 3 Phase - CD, DO, MT, RD, RT

480 Volt/ 60 Hertz/ 3 Phase - CD, DO, MT, RD, RT

REF	PART #	DESCRIPTION	COMMENTS
1	TU20689	Tap Screw	15 required
2	TU20731	Snap Bushing	1 3/8 inch; 2 required
3	TU20467	Hole Plug	1 3/8 inch
4	TU20395	Ground Screw	
5	TU20393	Ground Lug Connector	
6	TU20394	Ground Marker	Electrical
7	TU20782	Power Distribution Block	3 pole
8	TU20526	Tap Screw	4 required
9	TU20014	Jumper Cable Assembly	3 required
10	TU20189	Core Ferrite Assembly	DO and RD models
11	TU20418	Harness Accessory Box Assembly	3 Phase
12	TU20166	Contactor	

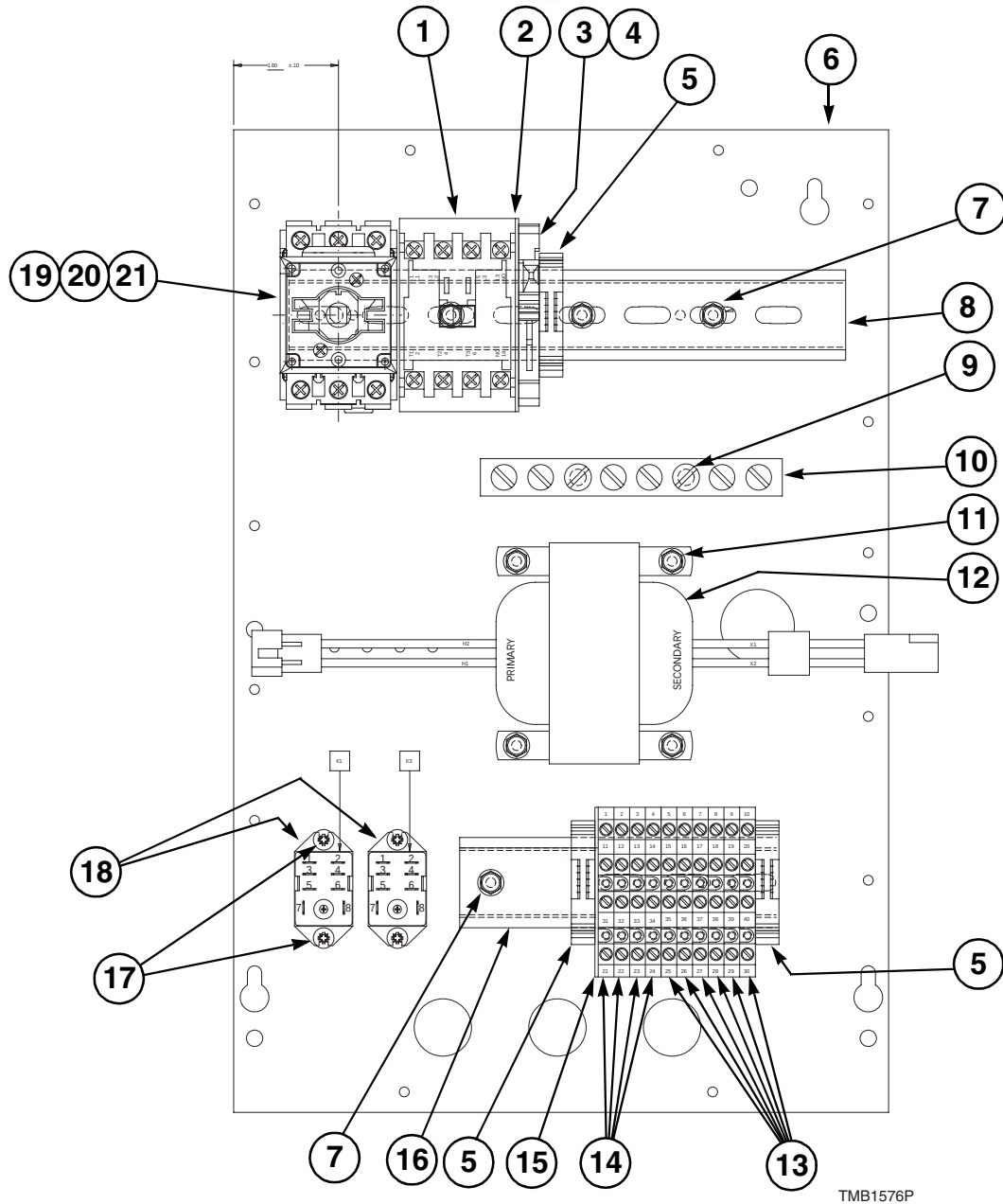
Contactor Box Assembly

EU Gas Models

230 Volt/ 50 Hertz/ 1 Phase - MT

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Contactor Box Assembly

EU Gas Models

230 Volt/ 50 Hertz/ 1 Phase - MT

REF	PART #	DESCRIPTION	COMMENTS
	TU20648	Relay Harness	K1, K2, K3
	TU20828	Transformer Harness	Secondary
	TU20423	Transformer Harness	Primary; 240 Volt
	TU20505	Harness Jumper Assembly	240 Volt
1	TU20172	Motor Contactor	9 Amp
2	TU20269	End Section	
3	TU20354	Fuse Holder	230 Volt primary
4	TU20333	Fuse	
5	TU20270	End Stop	230 Volt; 3 required
6	TU20510	Junction Box	Bottom
7	TU20689	Screw	5 required
8	TU20230	Din Rail	
9	TU20456	Hex Nut	2 required
10	TU20392	Ground Buss	
11	TU20680	Screw	4 required
12	TU20820	Transformer	230 Volt
13	TU20780	Terminal Block	2 circuit; 6 required
14	TU20781	Terminal Block	1 circuit; 4 required
15	TU20267	End Barrier	
16	TU20885	Din Rail	
17	TU20686	Screw	4 required
18	TU20647	Relay	2 required
19	TU20061	Base Mounting Switch	20 Amp
20	TU20300	Finger Guard	20 Amp
21	TU20276	Extension Handle	20 Amp; With screws

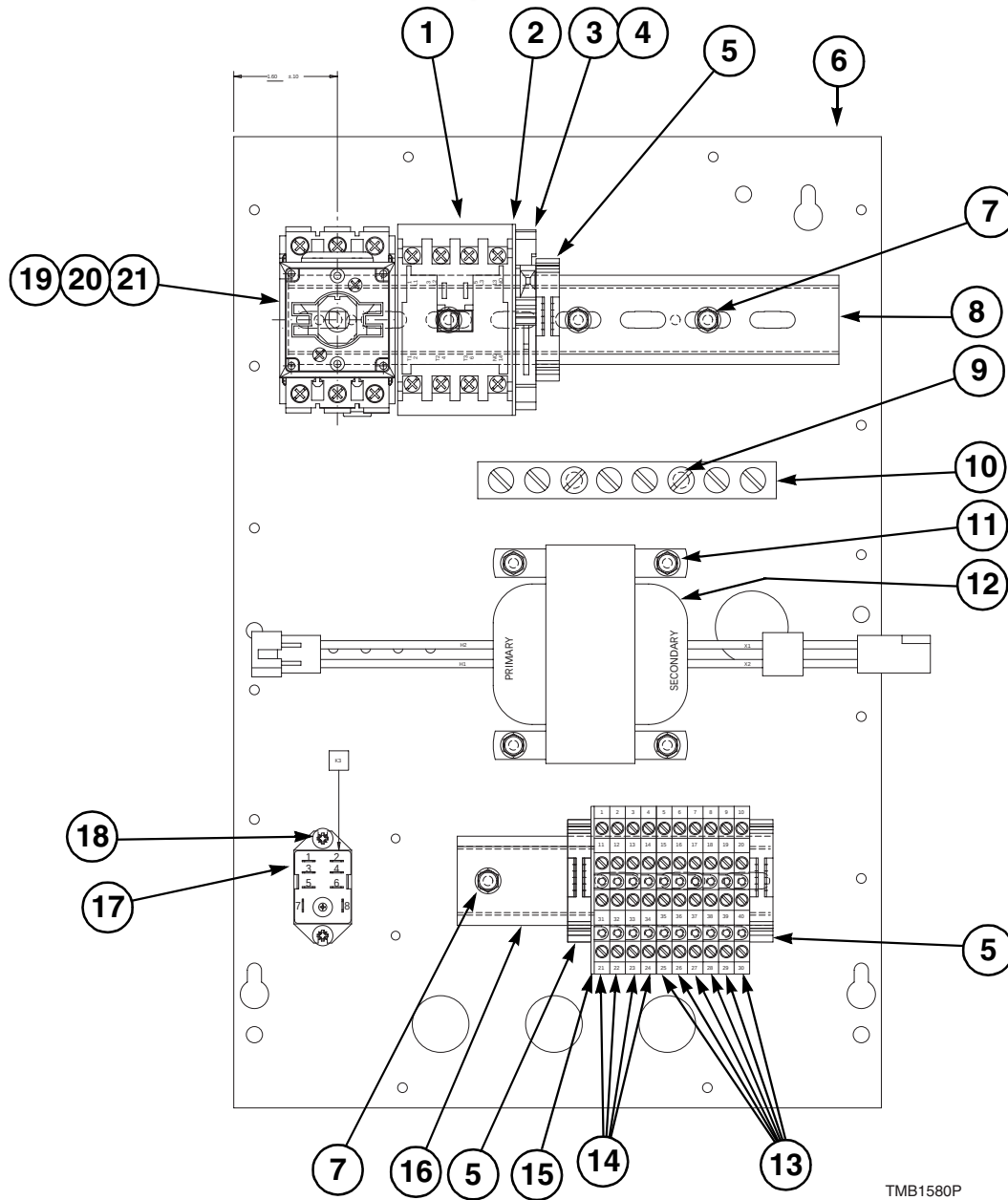
Contactor Box Assembly

EU Gas Models

230 Volt/ 50 Hertz/ 1 Phase - CD

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Contactor Box Assembly

EU Gas Models

230 Volt/ 50 Hertz/ 1 Phase - CD

REF	PART #	DESCRIPTION	COMMENTS
	TU20649	Relay Harness	K2, K3; 4 required
	TU20828	Transformer Harness	Secondary
	TU20423	Transformer Harness	Primary; 240 Volt
	TU20505	Harness Jumper Assembly	240 Volt
1	TU20172	Motor Contactor	9 Amp
2	TU20269	End Section	
3	TU20354	Fuse Holder	230 Volt; Primary
4	TU20333	Fuse	
5	TU20270	End Stop	230 Volt; 3 required
6	TU20510	Junction Box	Bottom
7	TU20689	Screw	5 required
8	TU20230	Din Rail	
9	TU20456	Hex Nut	2 required
10	TU20392	Ground Buss	
11	TU20680	Screw	
12	TU20820	Transformer	230 Volt
13	TU20780	Terminal Block	2 circuit; 6 required
14	TU20781	Terminal Block	1 circuit; 4 required
15	TU20267	End Barrier	
16	TU20885	Din Rail	
17	TU20647	Relay	
18	TU20686	Screw	2 required
19	TU20061	Base Mounting Switch	20 Amp
20	TU20300	Finger Guard	20 Amp
21	TU20276	Extension Handle	20 Amp

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Contactor Box Assembly

EU Gas and Steam Models
230 Volt/ 50 Hertz/ 1 Phase - RT

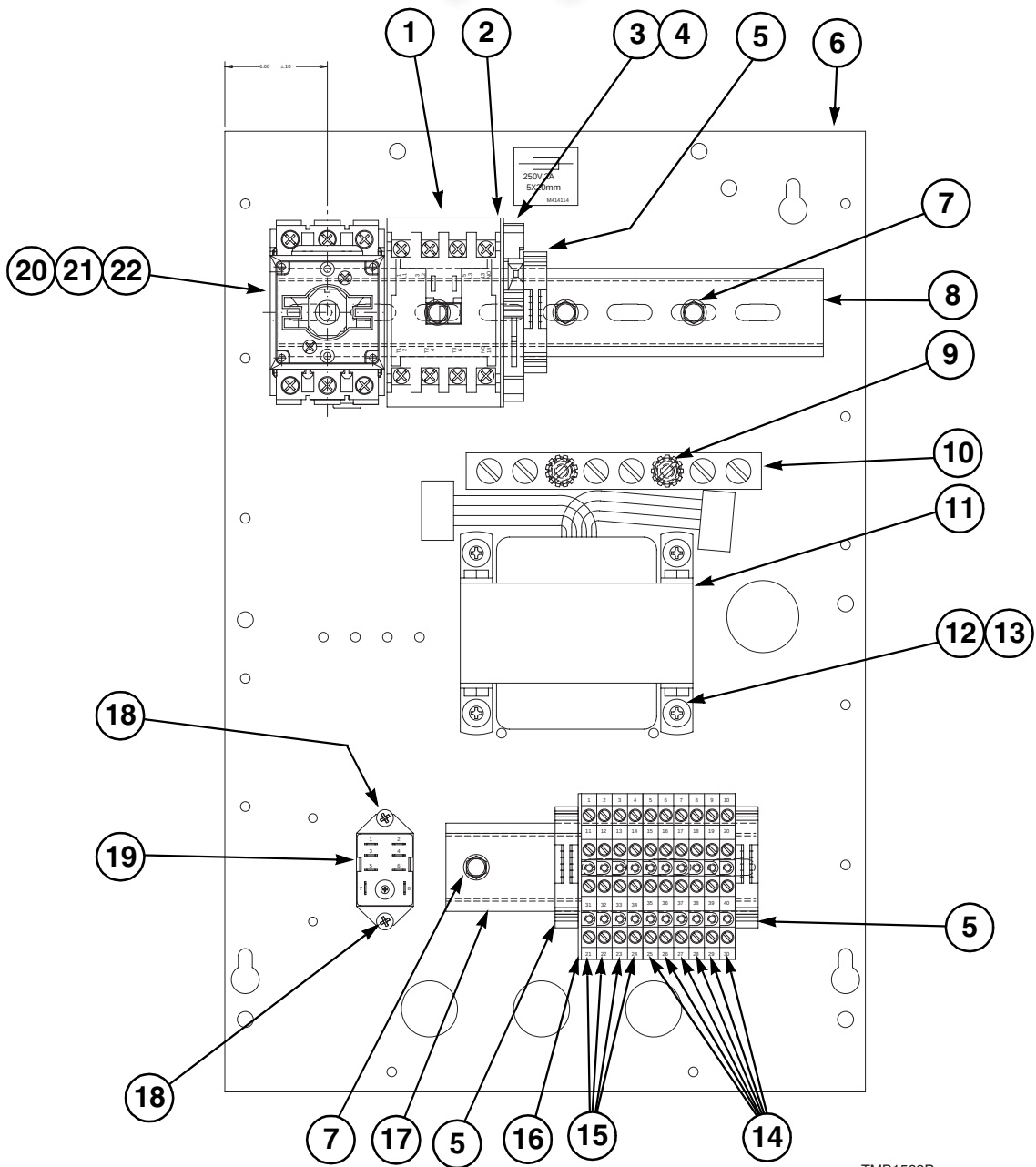
REF	PART #	DESCRIPTION	COMMENTS
	TU20648	Relay Harness	Gas models
	TU20650	Relay Harness	Steam models
	TU20828	Transformer Harness	Secondary
	TU20423	Transformer Harness	Primary; 240 Volt
	TU20505	Jumper Harness	240 Volt/1 Phase
	TU20659	Reversing Contactor Jumper	1 Phase; Upper
	TU20660	Reversing Contactor Jumper	1 Phase; Lower
	TU20664	Reversing Timer Harness	
1	TU20172	Contactor Motor	9 Amp
2	TU20657	Reversing Contactor	
3	TU20510	Junction Box	Bottom
4	TU20689	Screw	6 required
5	TU20230	Din Rail	
6	TU20456	Hex Nut	2 required
7	TU20392	Ground Buss	
8	TU20680	Screw	4 required
9	TU20820	Transformer	230 Volt
10	TU20270	End Stop	230 Volt; 4 required
11	TU20780	Terminal Block	2 circuit; 6 required
12	TU20781	Terminal Block	1 circuit; 5 required
13	TU20267	End Barrier	2 required
14	TU20885	Din Rail	
15	TU20686	Screw	2 required for steam models 4 required for gas models
16	TU20647	Relay	1 required for steam models; 2 required for gas models
17	TU20236	Din Rail	
18	TU20354	Fuse Holder	230 Volt primary
19	TU20333	Fuse	250 Volt
20	TU20269	End Section	
21	TU20061	Base Mounting Switch	20 Amp
22	TU20300	Finger Guard	20 Amp
23	TU20276	Extension Handle	20 Amp

Contactor Box Assembly

EU Gas and Steam Models
230 Volt/ 50 Hertz/ 1 Phase - DO

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Contactor Box Assembly

EU Gas and Steam Models
230 Volt/ 50 Hertz/ 1 Phase - DO

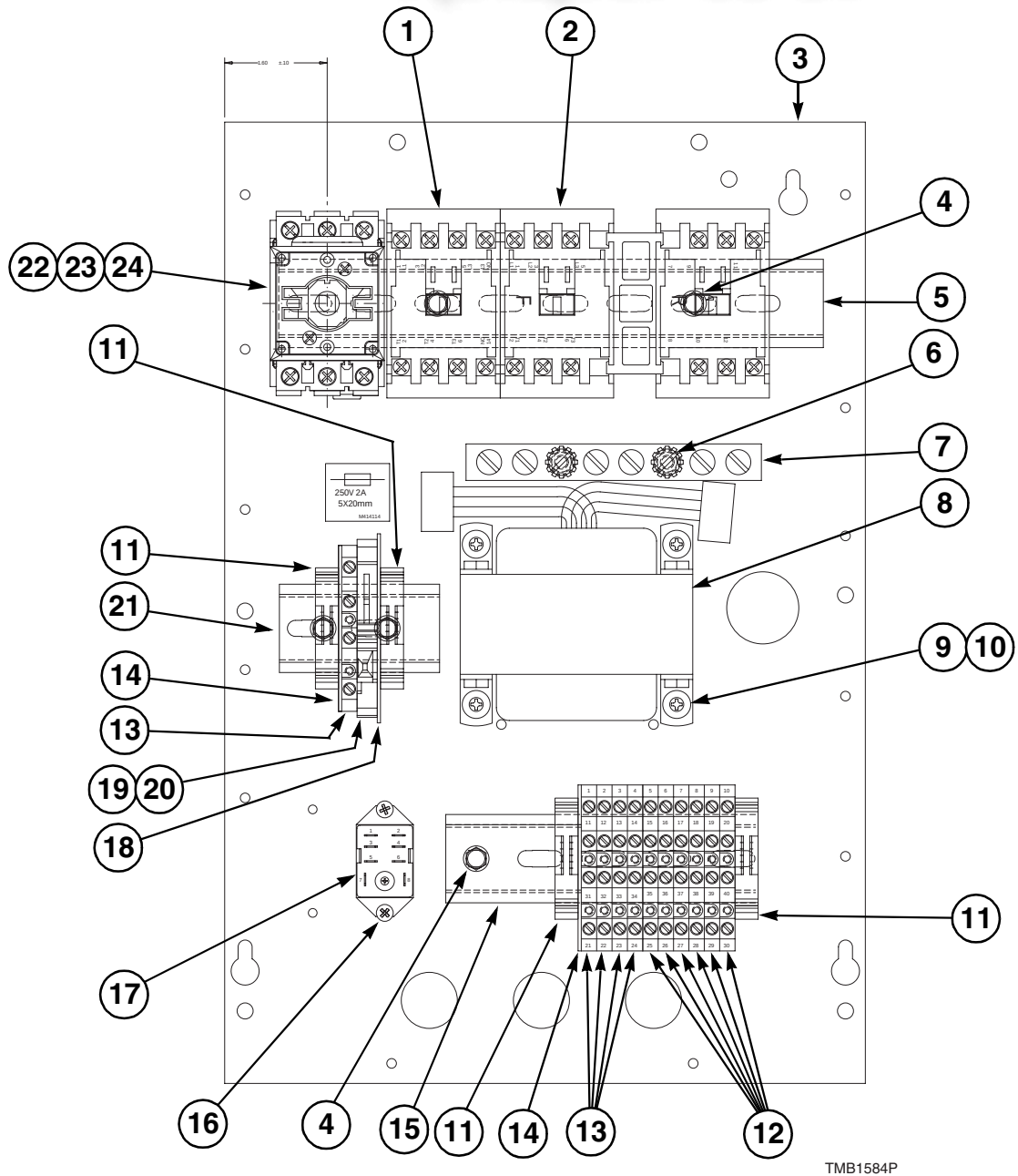
REF	PART #	DESCRIPTION	COMMENTS
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20115	Capacitor Network Assembly	
	TU20893	Harness Relay Assembly	Gas models
	TU20433	Harness Relay Assembly	Steam models
	TU20432	Harness Relay Assembly	
	TU20436	Harness Transformer Assembly	Primary; 1 Phase
	TU20505	Harness Jumper Assembly	Junction box
	TU20042	Harness Assembly	Secondary
1	TU20172	Motor Contactor	9 Amp
2	TU20269	End Section	
3	TU20354	Fuse Holder	230 Volt; Primary
4	TU20338	Fuse	2 Amp/250 Volt
5	TU20270	End Stop	230 Volt; 3 required
6	TU20510	Junction Box	Bottom
7	TU20689	Screw	5 required
8	TU20230	Din Rail	
9	TU20456	Hex Nut	2 required
10	TU20392	Ground Buss	
11	TU20588	Multitap Transformer	100-240
12	TU20704	Screw	4 required
13	TU20594	Keps Nut	4 required
14	TU20780	Terminal Block	2 circuit; 6 required
15	TU20781	Terminal Block	1 circuit; 4 required
16	TU20267	End Barrier	
17	TU20885	Din Rail	
18	TU20709	Screw	2 required; Gas models
19	TU20647	Relay	24 Volt; Gas models
20	TU20061	Base Mounting Switch	20 Amp
21	TU20300	Finger Guard	20 Amp
22	TU20276	Extension Handle	20 Amp

Contactor Box Assembly

EU Gas and Steam Models
230 Volt/ 50 Hertz/ 1 Phase - RD

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TMB1584P

Contactor Box Assembly

EU Gas and Steam Models
230 Volt/ 50 Hertz/ 1 Phase - RD

REF	PART #	DESCRIPTION	COMMENTS
	TU20893	Harness Relay Assembly	Gas models
	TU20433	Harness Relay Assembly	Steam models
	TU20436	Harness Transformer Assembly	Primary; 1 Phase,
	TU20042	Harness Transformer Assembly	Secondary
	TU20505	Jumper Harness	240 Volt/1 Phase
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20659	Reversing Contactor Jumper	1 Phase; Upper
	TU20660	Reversing Contactor Jumper	1 Phase; Lower
	TU20115	Capacitor Network Assembly	
	TU20426	Harness Assembly	
1	TU20172	Contactor Motor	9 Amp
2	TU20657	Reversing Contactor	
3	TU20510	Junction Box	Bottom
4	TU20689	Screw	6 required
5	TU20230	Din Rail	
6	TU20456	Hex Nut	2 required
7	TU20392	Ground Buss	
8	TU20588	Multitap Transformer	100-240
9	TU20704	Screw	4 required
10	TU20594	Keps Nut	4 required
11	TU20270	End Stop	230 Volt; 4 required
12	TU20780	Terminal Block	2 circuit; 6 required
13	TU20781	Terminal Block	1 circuit; 5 required
14	TU20267	End Barrier	2 required
15	TU20885	Din Rail	
16	TU20709	Screw	2 required; Gas models
17	TU20647	Relay	24 Volt; Gas models
18	TU20269	End Section	
19	TU20354	Fuse Holder	230 Volt; Primary
20	TU20338	Fuse	2 Amp; 250 Volt
21	TU20236	Din Rail	
22	TU20061	Base Mounting Switch	20 Amp
23	TU20300	Finger Guard	20 Amp
24	TU20276	Extension Handle	20 Amp

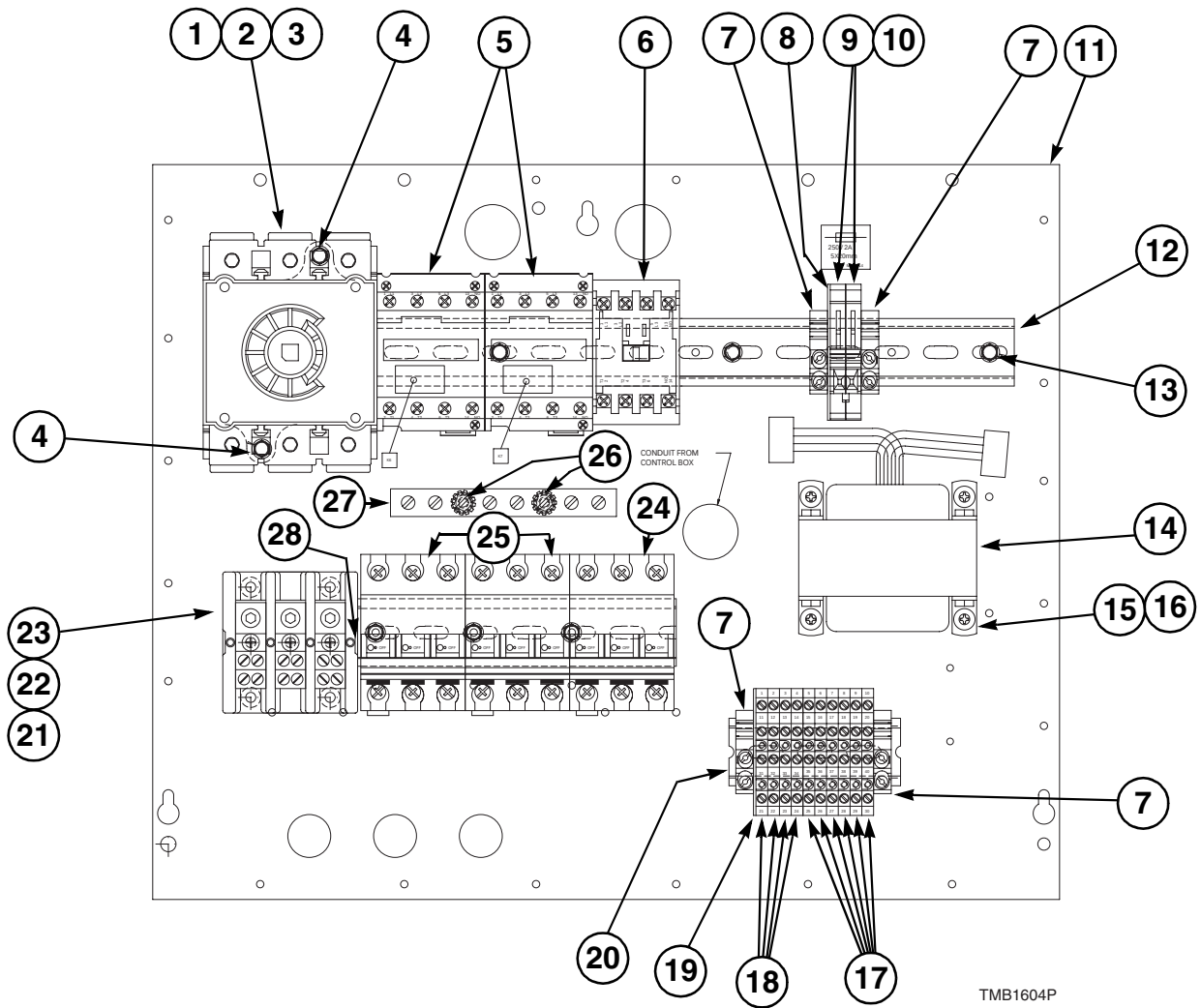
Contactor Box Assembly

EU Electric Models

230 Volt/ 50 Hertz/ 3 Phase - DO

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Contactor Box Assembly

EU Electric Models

230 Volt/ 50 Hertz/ 3 Phase - DO

REF	PART #	DESCRIPTION	COMMENTS
	TU20189	Ferrite Core Assembly	
	TU20115	Capacitor Network Assembly	
	TU20826	Jumper Configuration Assembly	240 Volt
	TU20891	Harness Relay Assembly	
	TU20434	Harness Transformer Assembly	Primary; 3 Phase
	TU20042	Harness Transformer Assembly	Secondary
	TU20429	Harness Jumper Assembly	3 Phase
	TU20509	Harness Jumper Assembly	400 Volt
	TU20503	Jumper Cable	8 gauge; 6 required
	TU20853	Wire	3 required
	TU20501	Wire	3 required
	TU20015	Wire	3 required
	TU20500	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guard	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	2 required
5	TU20259	Electric Contactor	50 Amp; 2 required
6	TU20172	Motor Contactor	9 Amp
7	TU20270	End Stop	230 Volt; 4 required
8	TU20269	End Section	230 Volt
9	TU20354	Fuseholder	230 Volt; Primary; 2 required
10	TU20338	Fuse	2 Amp; 250 Volt; 2 required
11	TU20168	Contactor Box	Bottom
12	TU20232	Din Rail	13.0 inches
13	TU20689	Screw	10 required
14	TU20588	Multitap Transformer	100-240
15	TU20704	Screw	4 required
16	TU20594	Keps Nut	10-24; 4 required
17	TU20780	Terminal Block	2 circuit; 6 required
18	TU20781	Terminal Block	1 circuit; 4 required
19	TU20267	End Barrier	
20	TU20233	Din Rail	3.5 inches
21	TU20526	Screw	4 required
22	TU20075	Power Distribution Block Cover	
23	TU20782	Power Distribution Block	3 pole
24	TU20135	Circuit Breaker	3 pole; 8 Amp
25	TU20136	Circuit Breaker	3 pole; 50 Amp; 2 required
26	TU20456	Hex Nut	2 required
27	TU20392	Ground Buss	
28	TU20234	Din Rail	6.5 inches

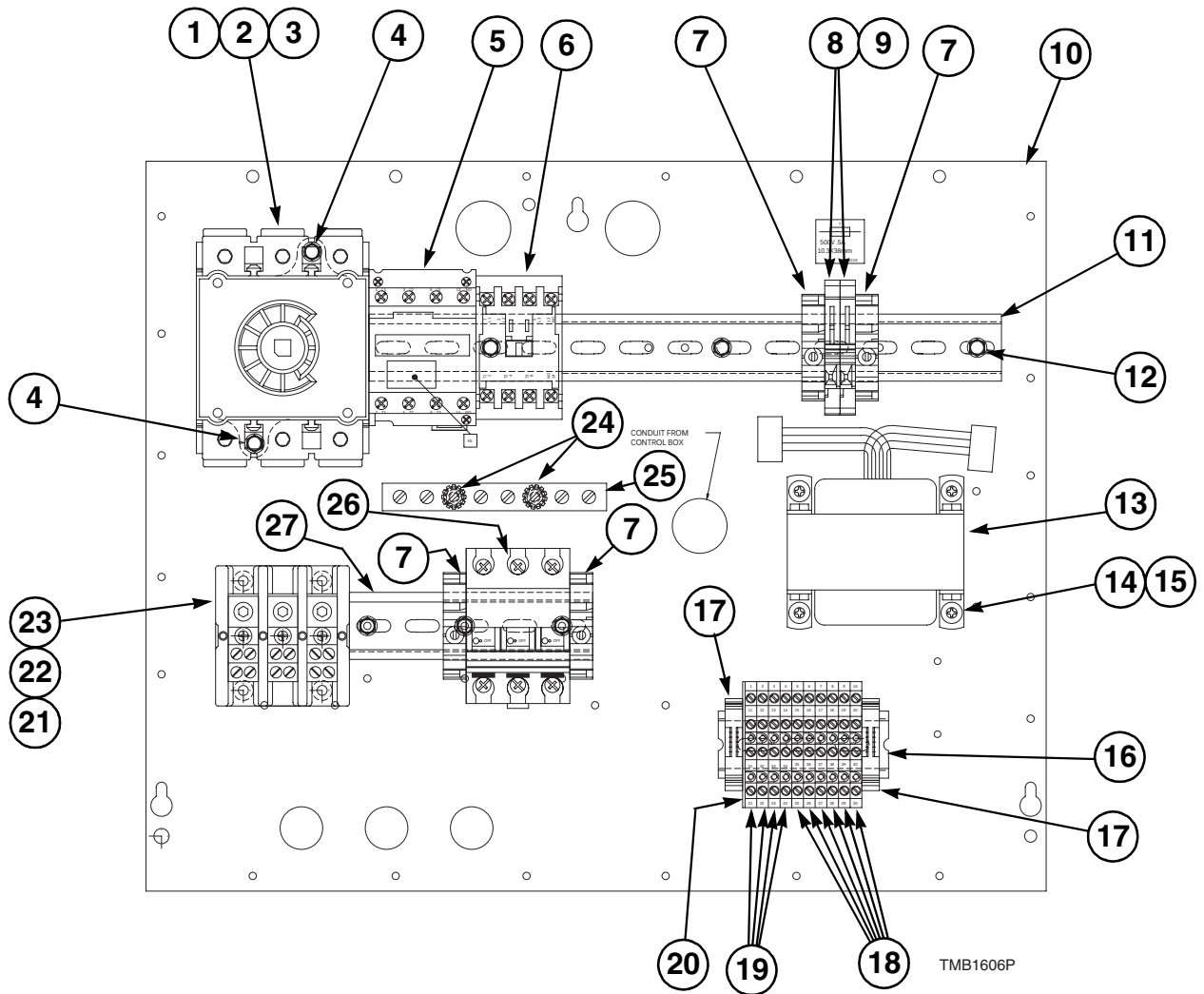
Contactor Box Assembly

EU Electric Models

380 Volt/ 50 Hertz/ 3 Phase - DO

400-415 Volt/ 50 Hertz/ 3 Phase - DO

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Contactor Box Assembly

EU Electric Models

380 Volt/ 50 Hertz/ 3 Phase - DO

400-415 Volt/ 50 Hertz/ 3 Phase - DO

REF	PART #	DESCRIPTION	COMMENTS
	TU20892	Harness Relay Assembly	
	TU20434	Transformer Assembly	Primary, 3 Phase
	TU20042	Harness Transformer Assembly	Secondary
	TU20430	Harness Jumper Assembly	3 Phase
	TU20508	Harness Jumper Assembly	400 Volt
	TU20115	Capacitor Network Assembly	
	TU20827	Jumper Configuration Assembly	Used only on 380 Volt/50 Hertz/3 Phase
	TU20010	Jumper Configuration Assembly	Used only on 415 Volt/50 Hertz/3 Phase
	TU20013	Jumper Cable	8 gauge; 3 required
	TU20189	Ferrite Core	
	TU20853	Wire	3 required
	TU20502	Wire	3 required
	TU20015	Wire	3 required
1	TU20237	Base Mounting Switch	100 Amp
2	TU20301	Finger Guard	100 Amp
3	TU20277	Extension Handle	100 Amp
4	TU20680	Screw	2 required
5	TU20259	Electric Contactor	50 Amp
6	TU20172	Motor Contactor	9 Amp
7	TU20271	End Stop	400 Volt; 4 required
8	TU20346	Fuseholder	400 Volt; Primary; 2 required
9	TU20336	Fuse	600 Volt; 2 required; .5 Amp
10	TU20168	Contactor Box	Bottom
11	TU20232	Din Rail	13.0 inches
12	TU20689	Screw	9 required
13	TU20821	Multitap Transformer	380-480 Volt
14	TU20704	Screw	4 required
15	TU20594	Keps Nut	4 required
16	TU20233	Din Rail	3.5 inches
17	TU20270	End Stop	230 Volt; 2 required
18	TU20780	Terminal Block	2 circuit; 6 required
19	TU20781	Terminal Block	1 circuit; 2 required
20	TU20267	End Barrier	
21	TU20526	Screw	4 required
22	TU20075	Power Distribution Block Cover	
23	TU20782	Power Distribution Block	3 pole
24	TU20456	Hex Nut	2 required
25	TU20392	Ground Buss	
26	TU20135	Circuit Breaker	3 pole; 8 Amp
27	TU20231	Din Rail	5.0 inches

Motor Usage Tables

Nonreversing Tumblers

MODEL	ELECTRIC SERVICE	FAN MOTOR	
		PART NO.	HP
Gas and Steam	120 Volt/ 60 Hertz/ 1 Phase	TU20285	3/4
	200-208/240 Volt/ 60 Hertz/ 1 Phase	TU20285	3/4
	200-208-240 Volt/ 60 Hertz/ 3 Phase	TU20292	3/4
	460-480 Volt/ 60 Hertz/ 3 Phase	TU20292	3/4
	230-240 Volt/ 50 Hertz/ 1 Phase	TU20289	3/4
	200 Volt/ 50 Hertz/ 3 Phase	TU20292	3/4
	230-240 Volt/ 50 Hertz/ 3 Phase	TU20292	3/4
	380/400-415 Volt/ 50 Hertz/ 3 Phase	TU20292	3/4
Electric	200-208 Volt/ 60 Hertz/ 3 Phase	TU20285	3/4
	240 Volt/ 60 Hertz/ 3 Phase	TU20285	3/4
	480 Volt/ 60 Hertz/ 3 Phase	TU20292	3/4
	200 Volt/ 50 Hertz/ 3 Phase	TU20292	3/4
	240 Volt/ 50 Hertz/ 3 Phase	TU20289	3/4
	380 Volt/ 50 Hertz/ 3 Phase	TU20292	3/4
	400-415 Volt/ 50 Hertz/ 3 Phase	TU20292	3/4

Reversing Tumblers

MODEL	ELECTRIC SERVICE	FAN MOTOR		DRIVE MOTOR	
		PART NO.	HP	PART NO.	HP
Gas and Steam	200-208-240 Volt/ 60 Hertz/ 3 Phase	TU20292	3/4	TU20254	1/3
	460-480 Volt/ 60 Hertz/ 3 Phase	TU20292	3/4	TU20254	1/3
	230-240 Volt/ 50 Hertz/ 1 Phase	TU20287	1/3	TU20255	1/3
	200 Volt/ 50 Hertz/ 3 Phase	TU20290	1/3	TU20254	1/3
	230-240 Volt/ 50 Hertz/ 3 Phase	TU20290	1/3	TU20254	1/3
	380/400-415 Volt/ 50 Hertz/ 3 Phase	TU20290	1/3	TU20254	1/3
Electric	200-208 Volt/ 60 Hertz/ 3 Phase	TU20283	1/3	TU20254	1/3
	240 Volt/ 60 Hertz/ 3 Phase	TU20283	1/3	TU20254	1/3
	480 Volt/ 60 Hertz/ 3 Phase	TU20290	1/3	TU20254	1/3
	200 Volt/ 50 Hertz/ 3 Phase	TU20287	1/3	TU20254	1/3
	240 Volt/ 50 Hertz/ 3 Phase	TU20287	1/3	TU20254	1/3
	380 Volt/ 50 Hertz/ 3 Phase	TU20290	1/3	TU20254	1/3
	400-415 Volt/ 50 Hertz/ 3 Phase	TU20290	1/3	TU20254	1/3

Parts Index

A

Acorn Nut	
TU20021	27
Airflow Switch	
TU20025	53
TU20026	53
Airflow Switch Box	
TU20027	53
Anti-Torque Ring	
TU20028	45
Arm	
TU20029	23

B

Baffle	
TU20050	25
TU20052	25
Baffle Gasket	
TU20388	25
Ball Bearing	
TU20057	31
TU20058	37
TU20059	31
Ball Valve	
TU20563	45
Barrier	
TU20060	53
Base Mounting Switch	
TU20061	75, 77, 79, 81, 83, 115, 117, 119, 121, 123
TU20237	97, 99, 101, 103, 105, 107, 125, 127
Bearing	
TU20062	39
Bearing Retainer	
TU20064	37
Belt	
TU20067	35
TU20068	33
TU20069	33
Belt Guard	
TU20070	33, 41
TU20071	33
Belt Guard Assembly	
TU20072	35
TU20073	33
Bolt	
TU20080	31
TU20081	33, 41
TU20082	39
Bracket	
TU20083	9
TU20084	57
TU20582	9, 13
TU20584	53
Bumper Assembly	
TU20091	23
Burner	
TU20092	45

Burner Orifice	
TU20095	45
TU20096	45
TU20097	45
TU20098	45
TU20100	45
TU20101	45
TU20102	45
TU20103	45
TU20104	45
Bushing	
TU20106	33
TU20107	33
TU20108	33
Buzzer	
TU20122	17

C

Cable	
TU20110	57
Calibration Jumper	
TU20112	13
Cam Package	
TU20113	9
Capacitor Network Assembly	
TU20115	79, 81, 105, 107, 121, 123, 125, 127
Circuit Board Support	
TU20130	9, 13
TU20131	9
Circuit Breaker	
TU20135	97, 99, 101, 103, 105, 107, 125, 127
TU20136	97, 101, 105, 125
Clip	
TU20139	55
TU20140	53
TU20141	19
Coil Spring	
TU20144	11
Coin Carrier Spring	
TU20145	11
Coin Chute Assembly	
TU20146	25
Coin Meter	
TU20149	9
TU20150	9
TU20151	9
TU20152	9
TU20153	9
TU20154	9
TU20155	9
TU20156	9
TU20157	9
TU20158	9
TU20159	9
TU20160	9
TU20161	9
Coin Meter Drive	
TU20162	11
Coin Retainer Spring	
TU20163	11

End Stop	Fuse Receptacle	7
TU20270 75, 77, 79, 81, 83, 97, 99,	TU20345.....	
101, 103, 105, 107, 115, 117,	Fuse Sticker	
119, 121, 123, 125, 127	TU20352.....	61, 63, 65, 69, 71, 85, 87, 91, 93
TU20271 75, 77, 79, 81, 99, 103, 107, 127	TU20353.....	67, 73, 89, 95
Expansion Clip	Fuseholder	
TU20275 19	TU20346.....	99, 103, 107, 127
Extension Handle	TU20354.....	97, 101, 105, 125
TU20276 75, 77, 79, 81, 83, 95,		
117, 119, 121, 123		
TU20277 97, 99, 101, 103, 105, 107, 125, 127		
Extension Spring		
TU20278 35		

F

Fan	
TU20279 41	
TU20280 41	
Fan Contactor	
TU20569 63, 65, 67, 71, 73, 87, 89, 93, 95	
Fan Housing Cover	
TU20282 41	
Fan Motor Harness	
TU20293 41	
TU20294 41	
TU20295 41	
TU20296 41	
TU20297 41	
Felt Pad	
TU20298 29	
Ferrite Core	
TU20189 105, 107, 127	
Ferrite Core Assembly	
TU20189 125	
Finger Guard	
TU20300 75, 77, 79, 81, 83, 115,	
117, 119, 121, 123	
TU20301 97, 99, 101, 103, 105, 107, 125, 127	
Front Panel	
TU20305 21	
TU20329 (Coin) 21	
TU20330 (Coin) 21	
TU20331 (OPL) 21	
TU20332 (OPL) 21	
TU20506 21	
Front Panel Harness Assembly	
TU20902 19	
Front Panel Harness Assembly	
TU20903 19	
Fuse	
TU20333 83, 97, 101, 115, 117, 119	
TU20334 75, 77, 99, 103	
TU20335 61, 63, 65, 69, 71, 85, 87, 91, 93	
TU20336 67, 73, 79, 81, 89, 95, 107, 127	
TU20338 105, 121, 123, 125	
TU20340 7	
Fuse Bracket	
TU20342 61, 63, 65, 69, 71, 85, 87, 91, 93	
TU20343 67, 73, 89, 95	
Fuse Holder	
TU20345 61, 63, 65, 69, 71, 85, 87, 91, 93	
TU20346 75, 79	
TU20347 67, 73, 89, 95	
TU20354 83, 115, 117, 119, 121, 123	

G

Gas Piping Elbow	
TU20370 45	
Gas Valve	
TU20373 45	
TU20374 45	
TU20375 45	
TU20376 45	
TU20377 45	
TU20378 45	
Gas Valve Bracket	
TU20379 45	
TU20382 45	
Gas Valve Harness	
TU20386 45	
TU20387 45	
Ground Buss	
TU20392 75, 77, 79, 81, 83, 97, 99,	
101, 103, 105, 107, 115, 117,	
119, 121, 123, 125, 127	
Ground Lug Connector	
TU20393 109, 111, 113	
Ground Marker	
TU20394 61, 63, 65, 67, 69, 71, 73, 109, 111, 113	
Ground Screw	
TU20395 61, 63, 65, 67, 69, 71, 73, 109, 111, 113	
Ground Terminal	
TU20396 9, 15, 17	
Ground Wire	
TU20397 9, 15	
Guard	
TU20398 53	
Guide Rail	
TU20472 35	

H

Harness	
TU20403 7	
TU20405 7	
TU20408 7	
TU20409 7	
TU20410 7	
TU20412 47	
TU20413 7	
TU20415 7	
TU20417 7	
TU20493 7	
TU20901 7	
Harness Accessory Box Assembly	
TU20418 111, 113	
TU20419 109	

Harness Assembly		Idle Housing	
TU20042	121	TU20469	39
TU20420	61, 85	TU20470	37
TU20421	63	Idle Housing Assembly	
TU20422	69, 91	TU20471	39
TU20423	83	Idle Housing Guide Rail	
TU20424	65, 67, 87, 89	TU20472	33
TU20425	71, 73, 93, 95	Idle Housing Kit	
TU20426	81, 123	TU20473	37
TU20666	73, 93	Idle Shaft	
Harness Capacitor Network Assembly		TU20475	39
TU20890	61, 63, 65, 67, 69, 71, 73, 85, 87, 89, 91, 93, 95	TU20476	37
Harness Jump Assembly		Idle Wheel	
TU20427	79, 81	TU20477	39
Harness Jumper Assembly		Ignition Control	
TU20428	75, 77	TU20479	7
TU20429	105, 125	TU20481	7
TU20430	107, 127	TU20483	7
TU20505	83, 115, 117, 121	Indicator Light	
TU20508	127	TU20486	9, 15
TU20509	125	Insulator	
Harness Jumper Set Assembly		TU20487	61, 63, 65, 67, 69, 71, 73, 85, 87, 89, 91, 93, 95
TU20431	109, 111		
Harness Relay Assembly			
TU20432	121		
TU20433	79, 81, 121, 123		
TU20891	105, 125		
TU20892	107, 127		
TU20893	79, 81, 121, 123		
Harness Transformer Assembly			
TU20042	79, 81, 105, 107, 123, 125, 127		
TU20434	79, 81, 105, 107, 125		
TU20436	121, 123		
Heater Cable			
TU20437	49		
TU20438	49		
Heater Cable Harness			
TU20439	51		
TU20440	51		
Heater Element			
TU20450	49, 51		
TU20451	49		
TU20452	49, 51		
Hex Nut			
TU20456	75, 77, 79, 81, 83, 97, 99, 101, 103, 105, 107, 115, 117, 119, 121, 123, 125, 127		
High Limit Thermostat			
TU20454	51		
TU20458	49		
High Voltage Lead			
TU20462	7		
TU20464	7		
Hinge Lug Assembly			
TU20242	27		
Hole Plug			
TU20467	109, 111, 113		
J			
Jam Nut			
TU20490	43		
TU20491	35		
Jumper Assembly			
TU20043	17		
TU20044	17		
TU20493	69, 71, 73, 93		
TU20494	71, 73, 93, 95		
TU20495	71, 73, 93, 95		
TU20496	69, 91		
TU20497	69, 91		
Jumper Bar			
TU20499	49, 51		
Jumper Bypass Assembly			
TU20493	91, 95		
Jumper Cable			
TU20013	99, 103, 107, 127		
TU20503	97, 101, 105, 125		
Jumper Cable Assembly			
TU20014	109, 111, 113		
TU20015	109		
Jumper Calibration			
TU20586	9		
Jumper Configuration Assembly			
TU20010	89, 95, 107, 127		
TU20011	67, 73, 89, 95		
TU20783	67		
TU20825	65, 71, 87, 93		
TU20826	61, 63, 65, 69, 71, 85, 87, 91, 93, 105, 121, 123, 125		
TU20827	73, 79, 81, 89, 95, 107, 127		
Jumper Harness			
TU20505	119, 123		
Jumper Strip			
TU20506	49, 51		
Jumper Wire			
TU20507	49, 51		
TU20508	99, 103		
TU20509	97, 101		

Junction Box		Motor Mount Assembly	
TU20510	75, 77, 79, 81, 83, 115, 117, 119, 121, 123	TU20571	33, 43
		Motor Mounting Bracket	
		TU20572	41
		Motor Mounting Ring Kit	
		TU20574	41
		Motor Pulley	
		TU20579	41
		TU20580	41
		Multitap Transformer	
		TU20588	61, 63, 65, 71, 85, 87, 91, 93, 105, 121, 123, 125
		TU20821	67, 73, 79, 81, 89, 95, 107, 127
K		N	
Keys Nut		Network Capacitor Assembly	
TU20594	61, 63, 65, 67, 69, 71, 73, 99, 81, 85, 87, 89, 91, 93, 95, 105, 107, 121, 123, 125, 127	TU20115	61, 63, 65, 67, 69, 71, 73, 85, 87, 89, 91, 93, 95
Key		Nipple	
TU20512	29, 35	TU20590	45
TU20513	37, 41	Nut	
TU20514	41	TU20490	33, 41
TU20515	35, 37	TU20492	41
TU20516	29	TU20511	19, 27
Kickplate		TU20589	17
TU20521	23	TU20591	21
		TU20592	33, 41, 43
		TU20593	25
		TU20594	23, 27
		TU20596	39
		TU20597	39
		TU20598	9, 13, 49, 51
		TU20600	43
		TU20601	33, 35
		TU20602	31, 33, 35
		TU20603	53
		TU20604	45
		TU20605	45
		TU20607	29
		TU20617	41
		TU20897	17
L		O	
Lint Panel		Overlay	
TU20534	23	TU20616	9
TU20535	23		
Lint Panel Lock			
TU20857	21		
TU20859	21		
Lint Screen			
TU20548	25		
Loading Spring			
TU20550	37		
Lock Nut			
TU20551	35		
Lockwasher			
TU20552	43		
TU20553	33, 41, 43		
TU20554	33, 35, 41		
TU20555	29, 31		
TU20556	33, 35, 43		
TU20557	33, 35		
Lug Hinge Assembly			
TU20242	21		
M		P	
Manifold Pipe		Panel Locator	
TU20560	45	TU20619	19, 23
TU20561	45	Pop Rivet	
TU20562	45	TU20637	23
Micro V Belt		Pop-Dome Rivet	
TU20565	35	TU20638	21
Micro V Pulley		Power Distribution Block	
TU20566	39	TU20782	97, 99, 101, 103, 105, 107, 109, 111, 113, 125, 127
Micro V Sheave		Power Distribution Block Cover	
TU20567	35	TU20075	97, 99, 101, 103, 105, 107, 125, 127
Motor Bracket			
TU20572	33, 35		
Motor Contactor			
TU20172	75, 79, 83, 97, 99, 101, 103, 105, 107, 115, 117, 121, 125, 127		
Motor Hardware Kit			
TU20570	41		

Pulley		TU20680	49, 51, 75, 77, 83, 97, 99, 101, 103, 105, 107, 115, 117, 119, 125, 127
TU20640	33	TU20681	19, 23
TU20641	33	TU20682	7, 9, 15, 41, 45, 47, 49, 51, 53, 55
TU20642	33	TU20683	21
TU20643	43	TU20684	19, 27
TU20644	43	TU20686	75, 77, 83, 97, 99, 101, 103, 115, 117, 119

R

Rear Panel Assembly		TU20688	61, 69, 85, 91
TU20912	25	TU20689	53, 69, 75, 77, 79, 81, 83, 97, 99, 101, 103, 105, 107, 115, 117, 119, 121, 123, 125, 127
Relay		TU20691	27
TU20647	15, 75, 77, 79, 81, 83, 97, 99, 101, 103, 115, 117, 119, 121, 123	TU20694	21, 27
Relay Harness		TU20695	7, 9, 13
TU20648	75, 77, 115, 119	TU20696	23
TU20649	75, 117	TU20697	23
TU20650	75, 77, 83, 119	TU20700	31, 37
TU20651	99, 101, 103	TU20701	45, 49, 51
TU20652	99	TU20702	25
TU20653	97	TU20703	33, 35
TU20654	97	TU20704	27, 61, 63, 65, 67, 69, 71, 73, 79, 81, 85, 87, 89, 91, 93, 95, 105, 107, 121, 123, 125, 127
Relay/ Buzzer Bracket		TU20705	43
TU20088	17	TU20706	33, 41, 43
Repair Kit		TU20707	33, 35
TU20655	55	TU20708	31
Reset Switch		TU20709	79, 81, 121, 123
TU20646	7	TU20710	53
Return Lead		TU20711	41
TU20656	7	TU20712	47, 53
Reverse Timer Harness Assembly		TU20713	53
TU20666	95	TU20714	21
Reversing Contactor		TU20715	19
TU20657	77, 81, 101, 103, 105, 107, 119, 123	TU20716	15, 47
TU20658	69, 71, 73, 91, 93, 95	TU20717	61, 63, 65, 67, 69, 71, 73, 85, 87, 89, 91, 93, 95
Reversing Contactor Harness Assembly		TU20718	41
TU20426	105, 107	TU20719	15
Reversing Contactor Jumper		TU20720	19
TU20659	119, 123	TU20721	7
TU20660	119, 123	TU20722	33, 35
TU20661	77, 81, 101, 103, 105, 107	TU20724	43
TU20662	77, 81, 101, 103, 105, 107	Sensor	
Reversing Timer		TU20725	57
TU20663	69, 71, 73, 91, 93, 95	Setscrew	
Reversing Timer Harness		TU20711	39
TU20664	77, 119	TU20726	35
TU20665	101, 103	Shadow Box Clip	
Reversing Timer Harness Assembly		TU20727	19
TU20666	69, 71, 91	Sheave	
Rib Rod		TU20728	35
TU20669	29	Shroud	
Ring		TU20677	9
TU20670	35	Shutoff Valve	
Rocker Switch		TU20729	45
TU20673	15	Side Panel	
TU20674	15	TU20908*	25
		TU20910*	25
		Snap Bushing	
		TU20730	85, 87, 89, 91, 93, 95
		TU20731	109, 111, 113
		TU20732	61, 63, 65, 67, 69, 71, 73, 85, 87, 89, 91, 93, 95
		Snap In Plug Button	
		TU20733	61, 63, 65, 67, 69, 71, 73, 85, 87, 89, 91, 93, 95

S

Screw		TU20114	39
TU20526	97, 99, 101, 103, 105, 107, 125, 127		
TU20678	43		

Spacer	TU20734.....	33	TU20779.....	61, 63, 65, 67, 69, 71, 73,
	TU20735.....	23		85, 87, 89, 91, 93, 95
	TU20736.....	29	TU20780.....	75, 77, 79, 81, 83, 97, 99, 101, 103, 105,
				107, 115, 117, 119, 121, 123, 125, 127
Spark Igniter			TU20781.....	75, 77, 79, 81, 83, 97, 99, 101, 103, 105,
	TU20737.....	45		107, 115, 117, 119, 121, 123, 125, 127
	TU20738.....	45	Terminal Fuse Holder Block	
Spring Return			TU20346.....	77, 81
	TU20739.....	11	Terminal Strip	
Spud Holder			TU20783.....	61, 63, 65, 67, 69, 71, 73,
	TU20741.....	45		85, 87, 89, 91, 93, 95
Start Switch			Thermostat	
	TU20673.....	9	TU20785.....	47
Steam Coil			TU20787.....	47
	TU20744.....	55	Thermostat Bracket	
Steam Heater Assembly			TU20790.....	47
	TU20745.....	55	Thermostat Cover	
Steam Valve			TU20792.....	47
	TU20748.....	55	Timer	
	TU20749.....	55	TU20794.....	13
	TU20750.....	55	TU20796.....	15
Steam Valve Coil			TU20798.....	15
	TU20751.....	55	TU20800.....	13
	TU20752.....	55	Timer Knob	
Switch			TU20802.....	15
	TU20757.....	21	Timer Motor	
	TU20758.....	11	TU20803.....	11
	TU20759.....	11	TU20804.....	11
Switch Bracket			Timing Cam	
	TU20761.....	7	TU20805.....	11
Switch Membrane			TU20806.....	11
	TU20764.....	17	TU20807.....	11
	TU20765.....	17	TU20808.....	11
Switch Plate			TU20809.....	11
	TU20762.....	15	TU20810.....	11
			TU20811.....	11
			TU20812.....	11
			TU20813.....	11
			TU20814.....	11
T				
Tailpiece			Top Cover	
	TU20742.....	45	TU20815.....	25
	TU20769.....	45	TU20818.....	25
Tap Screw			Transformer	
	TU20526.....	109, 111, 113	TU20588.....	69
	TU20682.....	61, 63, 65, 67, 69, 71, 73,	TU20819.....	75, 77, 99, 103
		85, 87, 89, 91, 93, 95	TU20820.....	83, 97, 101, 115, 117, 119
	TU20686.....	67, 73, 89, 95	TU20822.....	61
	TU20688.....	63, 65, 67, 71, 73, 87, 89, 93, 95	TU20823.....	61
	TU20689.....	61, 63, 65, 67, 71, 73, 85, 87,	Transformer Assembly	
		89, 91, 93, 95, 109, 111, 113	TU20434.....	127
	TU20770.....	69, 71, 73, 91, 93, 95	Transformer Harness	
Temperature Control Board			TU20423.....	97, 101, 115, 117, 119
	TU20772.....	9, 13	TU20828.....	75, 77, 83, 97, 99, 101,
Temperature Control Bracket				103, 115, 117, 119
	TU20083.....	15	Trunnion	
Temperature Knob			TU20830.....	29
	TU20773.....	9, 15	TU20831.....	29
Temperature Switch			Trunnion Housing	
	TU20774.....	13	TU20833.....	31
	TU20775.....	9	Trunnion Housing Assembly	
Tension Plate Assembly			TU20834.....	31
	TU20776.....	33, 35	Twin Speed Nut	
Terminal Block			TU20835.....	53
	TU20777.....	61, 63, 65, 67, 69, 71, 73,		
		85, 87, 89, 91, 93, 95		

V

Vane	TU20840	53
Vane Assembly	TU20841	53
Vane Lever	TU20763	53

W

Washer	TU20842	31
	TU20843	39
	TU20846	33, 35, 41, 43
	TU20847	41
	TU20849	9, 39
	TU20850	31
Wheel	TU20852	23
Wire	TU20015	97, 99, 101, 103, 105, 107, 125, 127
	TU20500	97, 101, 105, 125
	TU20501	97, 101, 105, 125
	TU20502	99, 103, 107, 127
	TU20853	97, 99, 101, 103, 105, 107, 125, 127

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