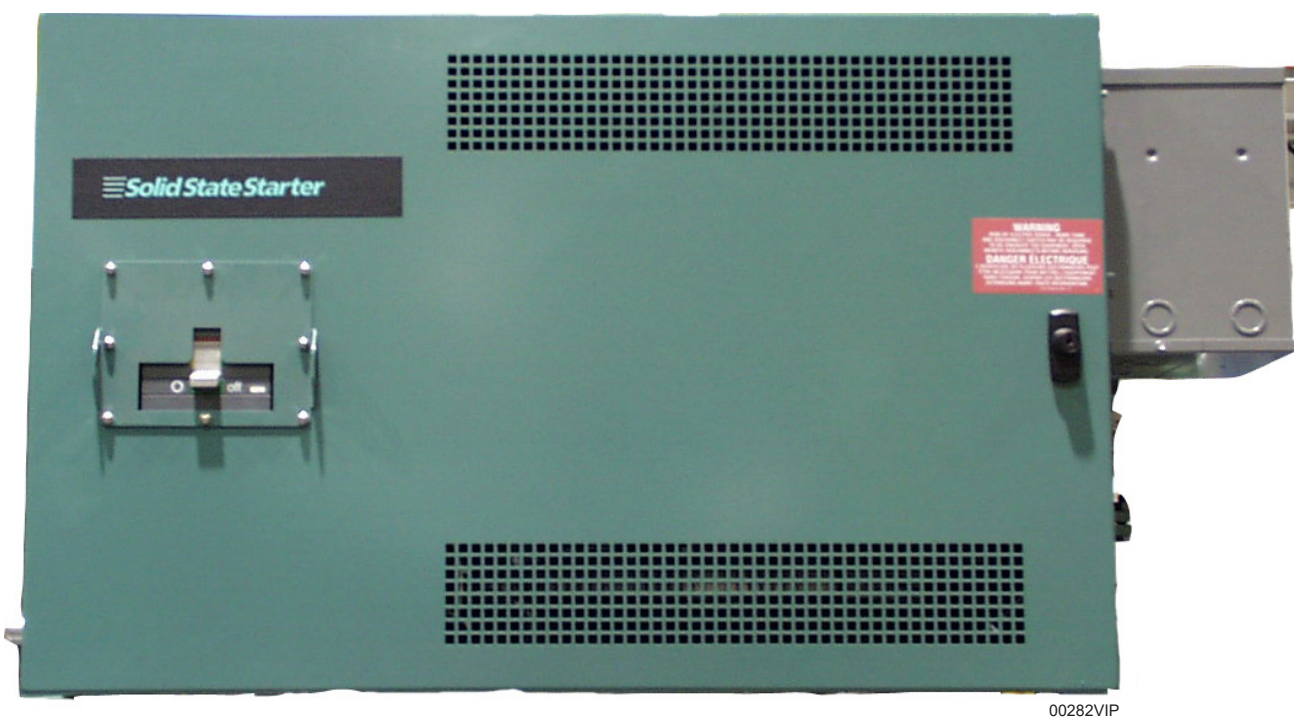


	STYLE B LIQUID COOLED SOLID STATE STARTERS	
REPLACEMENT PARTS	Supersedes: 160.00-RP3 (614)	Form 160.00-RP3 (522)

**MODELS SSS 7L-B, 14L-B, 26L-B, 33L-B
AND
MODELS SSS 7LK-B, 14LK-B, 26LK-B, 33LK-B**



Issue Date:
May 13, 2022



IMPORTANT!

READ BEFORE PROCEEDING!

GENERAL SAFETY GUIDELINES

This equipment is a relatively complicated apparatus. During installation, operation maintenance or service, individuals may be exposed to certain components or conditions including, but not limited to: refrigerants, materials under pressure, rotating components, and both high and low voltage. Each of these items has the potential, if misused or handled improperly, to cause bodily injury or death. It is the obligation and responsibility of operating/service personnel to identify and recognize these inherent hazards, protect themselves, and proceed safely in completing their tasks. Failure to comply with any of these requirements could result in serious damage to the equipment and the property in

which it is situated, as well as severe personal injury or death to themselves and people at the site.

This document is intended for use by owner-authorized operating/service personnel. It is expected that these individuals possess independent training that will enable them to perform their assigned tasks properly and safely. It is essential that, prior to performing any task on this equipment, this individual shall have read and understood this document and any referenced materials. This individual shall also be familiar with and comply with all applicable governmental standards and regulations pertaining to the task in question.

SAFETY SYMBOLS

The following symbols are used in this document to alert the reader to specific situations:



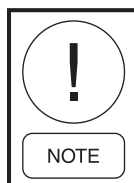
Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.



Identifies a hazard which could lead to damage to the machine, damage to other equipment and/or environmental pollution if proper care is not taken or instructions are not followed.



Indicates a potentially hazardous situation which will result in possible injuries or damage to equipment if proper care is not taken.



Highlights additional information useful to the technician in completing the work being performed properly.



External wiring, unless specified as an optional connection in the manufacturer's product line, is not to be connected inside the control cabinet. Devices such as relays, switches, transducers and controls and any external wiring must not be installed inside the micro panel. All wiring must be in accordance with Johnson Controls' published specifications and must be performed only by a qualified electrician. Johnson Controls will NOT be responsible for damage/problems resulting from improper connections to the controls or application of improper control signals. Failure to follow this warning will void the manufacturer's warranty and cause serious damage to property or personal injury.

CHANGEABILITY OF THIS DOCUMENT

In complying with Johnson Controls' policy for continuous product improvement, the information contained in this document is subject to change without notice. Johnson Controls makes no commitment to update or provide current information automatically to the manual or product owner. Updated manuals, if applicable, can be obtained by contacting the nearest Johnson Controls Service office or accessing the Johnson Controls Knowledge Exchange website at <https://docs.johnsoncontrols.com/chillers/>.

It is the responsibility of rigging, lifting, and operating/service personnel to verify the applicability of these documents to the equipment. If there is any question regarding the applicability of these documents, rigging, lifting, and operating/service personnel should verify whether the equipment has been modified and if current literature is available from the owner of the equipment prior to performing any work on the chiller.

REVISION NOTES

Revisions made to this document are indicated in the following table. These revisions are to technical information, and any other changes in spelling, grammar, or formatting are not included.

AFFECTED PAGES	DESCRIPTION
7 and 13	Corrected part number 013-02987-000 to 013-04129-000

HOW TO USE RENEWAL PARTS MANUALS

Johnson Controls offers an assortment of replacements parts for Johnson Controls, YORK and DS units. Each replacement part is manufactured and fitted for a specific model. This Replacement Parts Manual is for standard Johnson Controls units. Chiller units built with special options, modifications, or conversions are not covered in this manual.

This Replacement Parts Manual provides Johnson Controls chiller replacement parts by part numbers, descriptions, quantities and drawing figures. To determine the correct replacement part, locate the item on drawing figure and refer to the parts list for the part number, description and quantity.

NOTE: Provide a unit model number, unit serial number and part number when requesting a quotation or placing an order. Failure to include this information may delay processing of your request.

Model and Serial Number Locations:

- **Unit** - Namplate on side of Control Panel
- **Compressor** - Namplate on Compressor Housing
- **VSD** - Namplate on VSD Panel

Contact the following sources to order parts.

NORTH AMERICA

Baltimore Parts Center

Contrators within USA

Telephone: (800)-932-1701

Equipment Owners within USA who maintain their own equipment

Telephone: (800)-482-2778

Email:

For parts availability and ordering YORK HVAC Parts within the USA please use the following link:
https://www.solutionnavigator.com/s/?language=en_US&country=US®ion=NAM

EUROPE

HVAC Parts Centre (Europe)

Telephone: +44 (0) 1268 246 400

Email: ALLParts@jci.com

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TABLE 1 - COMMON PARTS FOR ALL MODELS

ITEM	DESCRIPTION	PART NUMBER	FIGURE
1	Logic / Trigger Board 60 Hz applications (includes 031-02505-001 board)	031-02757-002	2
	Logic / Trigger Board 50 Hz applications (includes 031-02505-002 board)	031-02757-003	2
2	Capacitor, Assembly	371-01086-000	5
3	Fuseholder for 7FU	025-34186-000	3
4	Fuseholder for 1FU-6FU (1 of 2)	025-34185-000	3
5	Fuse, 4 Amp 7 FU	025-27973-000	3
6	Fastener, Panel Adj.	021-17252-000	1
7	Hose Barb, Plastic - Threads Into SCR Brick Assembly	023-20205-000	6
8	Hose, Clear Plastic order by the foot	028-12239-000	6
9	Coolant Header 3" PVC with Fill Plug	371-02561-513	6
10	Heat Exchanger	026-36596-000	6
Not Shown	Hose, connect heat exchanger to condenser water 150 PSI., 50 Ft Roll	028-11958-000	
Not Shown	Hose, connect heat exchanger to condenser water 300 PSI., 50 Ft Roll	028-11959-000	
11	Temperature Sensor kit (thermistor, lugs, and plug)	031-02758-000	5
12	U16 Logic / Trigger Board EPROM (used on 031-02001-xxx board)	031-02029-001	2
12	U16 Logic / Trigger Board EPROM (used on 031-02505-xxx board)	031-02541-001	
13	U15 Battery Backed RAM for the Logic / Trigger Board	031-01620-000	2
14	Coolant Pump 50 / 60 Hz	026-32813-000	6
Not Shown	Inhibitor, Coolant	013-04129-000	

TABLE 2 - COMMON PARTS PER MODEL

ITEM	DESCRIPTION	PART NUMBER				FIGURE
		7L – 7LK	14L – 14LK	26L – 26LK	33L – 33LK	
15	Ground Terminal	025-34196-000	025-34197-000	025-34198-000	025-34198-000	2
Not Shown	Terminal Lug Kit (3 Lugs)	371-02576-101	371-02576-102	371-02576-103	371-02576-104	*
16	Bus Bar (L1)	371-02500-003	371-02500-003	371-01082-006	371-01082-006	4
17	Bus Bar (L2)	371-02500-002	371-02500-002	371-01082-005	371-01082-005	4
18	Bus Bar (L3)	371-02500-001	371-02500-001	371-01082-004	371-01082-004	4
19	Output Current Transformer	025-34195-001	025-34195-002	025-34195-003	025-37195-004	4, 5

TABLE 3 - VARIABLE PARTS FOR ALL 7L MODELS

ITEM	DESCRIPTION	PART NUMBER				FIGURE
		7L-40B	7L-46B	7L-58B	7L-50B	
20	SCR Assembly Kit 1 of 3	375-03048-002	375-03048-002	375-03048-003	375-03048-002	4, 5
21	Fuse (1FU – 3FU)	025-34136-000	025-34135-000	025-34194-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34137-000	025-34136-000	025-34135-000	025-34137-000	3
23	Fuse (6FU)	025-34141-000	025-34141-000	025-34141-000	025-34141-000	3
24	Snubber Resistor	371-02564-003	371-02564-003	371-02564-004	371-02564-003	5
25	Control Power Transformer	371-02568-006	371-02568-004	371-02568-005	371-02568-006	1

TABLE 4 - VARIABLE PARTS FOR ALL 7LK MODELS

ITEM	DESCRIPTION	PART NUMBER				FIGURE
		7LK-40B	7LK-46B	7LK-58B	7LK-50B	
20	SCR Assembly Kit 1 of 3	375-03048-002	375-03048-002	375-03048-003	375-03048-002	4, 5
21	Fuse (1FU – 3FU)	025-34136-000	025-34136-000	025-34540-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34140-000	025-34139-000	025-34137-000	025-34140-000	3
23	Fuse (6FU)	025-34142-000	025-34142-000	025-34142-000	025-34142-000	3
24	Snubber Resistor	371-02564-003	371-02564-003	371-02564-004	371-02564-003	5
25	Control Power Transformer	371-02569-006	371-02569-004	371-02569-005	371-02569-006	1

TABLE 5 - VARIABLE PARTS FOR ALL 14L MODELS

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		14L-17B	14L-28B	14L-40B	
20	SCR Assembly Kit 1 of 3	375-03048-004	375-03048-004	375-03048-004	4, 5
21	Fuse (1FU – 3FU)	025-34140-000	025-34140-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34141-000	025-34141-000	025-34137-000	3
23	Fuse (6FU)	025-34141-000	025-34141-000	025-34141-000	3
24	Snubber Resistor	371-02564-002	371-02564-002	371-02564-003	5
25	Control Power Transformer	371-02568-002	371-02568-003	371-02568-006	1

TABLE 6 - VARIABLE PARTS FOR ALL 14L MODELS (CONT'D)

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		14L-46B	14L-58B	14L-50B	
20	SCR Assembly Kit 1 of 3	375-03048-004	375-03048-005	375-03048-004	4, 5
21	Fuse (1FU – 3FU)	025-34135-000	025-34194-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34136-000	025-34135-000	025-34137-000	3
23	Fuse (6FU)	025-34141-000	025-34141-000	025-34141-000	3
24	Snubber Resistor	371-02564-003	371-02564-004	371-02564-003	5
25	Control Power Transformer	371-02568-004	371-02568-005	371-02568-006	1

TABLE 7 - VARIABLE PARTS FOR ALL 14LK MODELS

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		14LK-17B	14LK-28B	14LK-40B	
20	SCR Assembly Kit 1 of 3	375-03048-004	375-03048-004	375-03048-004	4, 5
21	Fuse (1FU – 3FU)	025-34141-000	025-34141-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34142-000	025-34142-000	025-34140-000	3
23	Fuse (6FU)	025-34142-000	025-34142-000	025-34142-000	3
24	Snubber Resistor	371-02564-002	371-02564-002	371-02564-003	5
25	Control Power Transformer	371-02569-002	371-02569-003	371-02569-006	1

TABLE 8 - VARIABLE PARTS FOR ALL 14LK MODELS (CONT'D)

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		14LK-46B	14LK-58B	14LK-50B	
20	SCR Assembly Kit 1 of 3	375-03048-004	375-03048-005	375-03048-004	4, 5
21	Fuse (1FU – 3FU)	025-34136-000	025-34540-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34139-000	025-34137-000	025-34140-000	3
23	Fuse (6FU)	025-34142-000	025-34142-000	025-34142-000	3
24	Snubber Resistor	371-02564-003	371-02564-004	371-02564-003	5
25	Control Power Transformer	371-02569-004	371-02569-005	371-02569-006	1

TABLE 9 - VARIABLE PARTS FOR ALL 26L MODELS

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		26L-17B	26L-28B	26L-40B	
20	SCR Assembly Kit 1 of 3	375-03048-006	375-03048-006	375-03048-006	4, 5
21	Fuse (1FU – 3FU)	025-34140-000	025-34140-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34141-000	025-34141-000	025-34137-000	3
23	Fuse (6FU)	025-34141-000	025-34141-000	025-34141-000	3
24	Snubber Resistor	371-02564-002	371-02564-002	371-02564-003	5
25	Control Power Transformer	371-02568-002	371-02568-003	371-02568-006	1

TABLE 10 - VARIABLE PARTS FOR ALL 26L MODELS (CONT'D)

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		26L-46B	26L-58B	26L-50B	
20	SCR Assembly Kit 1 of 3	375-03048-006	375-03048-007	375-03048-006	4, 5
21	Fuse (1FU – 3FU)	025-34135-000	025-34194-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34136-000	025-34135-000	025-34137-000	3
23	Fuse (6FU)	025-34141-000	025-34141-000	025-34141-000	3
24	Snubber Resistor	371-02564-003	371-02564-004	371-02564-003	5
25	Control Power Transformer	371-02568-004	371-02568-005	371-02568-006	1

TABLE 11 - VARIABLE PARTS FOR ALL 26LK MODELS

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		26LK-17B	26LK-28B	26LK-40B	
20	SCR Assembly Kit 1 of 3	375-03048-006	375-03048-006	375-03048-006	4, 5
21	Fuse (1FU – 3FU)	025-34141-000	025-34141-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34142-000	025-34142-000	025-34140-000	3
23	Fuse (6FU)	025-34142-000	025-34142-000	025-34142-000	3
24	Snubber Resistor	371-02564-002	371-02564-002	371-02564-003	5
25	Control Power Transformer	371-02569-002	371-02569-003	371-02569-006	1

TABLE 12 - VARIABLE PARTS FOR ALL 26LK MODELS (CONT'D)

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		26LK-46B	26LK-58B	26LK-50B	
20	SCR Assembly Kit 1 of 3	375-03048-006	375-03048-007	375-03048-006	4, 5
21	Fuse (1FU – 3FU)	025-34136-000	025-34540-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34139-000	025-34137-000	025-34140-000	3
23	Fuse (6FU)	025-34142-000	025-34142-000	025-34142-000	3
24	Snubber Resistor	371-02564-003	371-02564-004	371-02564-003	5
25	Control Power Transformer	371-02569-004	371-02569-005	371-02569-006	1

TABLE 13 - VARIABLE PARTS FOR ALL 33L MODELS

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		33L-17B	33L-28B	33L-40B	
20	SCR Assembly Kit 1 of 3	375-03048-008	375-03048-008	375-03048-008	4, 5
21	Fuse (1FU – 3FU)	025-34140-000	025-34140-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34141-000	025-34141-000	025-34137-000	3
23	Fuse (6FU)	025-34141-000	025-34141-000	025-34141-000	3
24	Snubber Resistor	371-02564-002	371-02564-002	371-02564-003	5
25	Control Power Transformer	375-02568-002	375-02568-003	375-02568-006	1

TABLE 14 - VARIABLE PARTS FOR ALL 33L MODELS (CONT'D)

ITEM	DESCRIPTION	PART NUMBER		FIGURE
		33L-46B	33L-50B	
20	SCR Assembly Kit 1 of 3	375-03048-008	375-03048-008	4, 5
21	Fuse (1FU – 3FU)	025-34135-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34136-000	025-34137-000	3
23	Fuse (6FU)	025-34141-000	025-34141-000	3
24	Snubber Resistor	371-02564-003	371-02564-003	5
25	Control Power Transformer	375-02568-004	375-02568-006	1

TABLE 15 - VARIABLE PARTS FOR ALL 33LK MODELS

ITEM	DESCRIPTION	PART NUMBER			FIGURE
		33LK-17B	33LK-28B	33LK-40B	
20	SCR Assembly 1 of 3	375-03048-008	375-03048-008	375-03048-008	4, 5
21	Fuse (1FU – 3FU)	025-34141-000	025-34141-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34142-000	025-34142-000	025-34140-000	3
23	Fuse (6FU)	025-34142-000	025-34142-000	025-34142-000	3
24	Snubber Resistor	371-02564-002	371-02564-002	371-02564-003	5
25	Control Power Transformer	371-02569-002	371-02569-003	371-02569-006	1

TABLE 16 - VARIABLE PARTS FOR ALL 33LK MODELS (CONT'D)

ITEM	DESCRIPTION	PART NUMBER		FIGURE
		33LK-46B	33LK-50B	
20	SCR Assembly 1 of 3	375-03048-008	375-03048-008	4, 5
21	Fuse (1FU – 3FU)	025-34136-000	025-34136-000	3
22	Fuse (4FU – 5FU)	025-34139-000	025-34140-000	3
23	Fuse (6FU)	025-34142-000	025-34142-000	3
24	Snubber Resistor	371-02564-003	371-02564-003	5
25	Control Power Transformer	371-02569-004	371-02569-006	1

TABLE 17 - INPUT POWER REPLACEMENTS AND OPTIONS

ITEM	DESCRIPTION	PART NUMBER	FIGURE
Replacement Kit to Convert from a 'S' type to a 'T' type Disconnection Switch			
26	Replacement Disconnect Switch 250 Amp	371-02565-601	2
	Replacement Disconnect Switch 400 Amp	371-02565-603	2
	Replacement Disconnect Switch 600 Amp	371-02565-605	2
	Replacement Disconnect Switch 1200 Amp	371-02565-607	2
For UL Applications			
Replacement Kit to Convert from a 'S' type to a 'T' type Circuit Breaker			
26	Replacement Circuit Breaker 250 Amp	371-02566-601	2
	Replacement Circuit Breaker 400 Amp	371-02566-603	2
	Replacement Circuit Breaker 600 Amp	371-02566-605	2
	Replacement Circuit Breaker 960 Amp	371-02566-607	2
	Replacement Circuit Breaker 1200 Amp	371-02566-609	2
For CE Applications			
Replacement Kit to Convert from a 'S' type to a 'T' type Circuit Breaker			
26	Replacement Circuit Breaker 250 Amp	371-03671-601	2
	Replacement Circuit Breaker 400 Amp	371-03671-603	2
	Replacement Circuit Breaker 600 Amp	371-03671-605	2
	Replacement Circuit Breaker 960 Amp	371-03671-607	2
	Replacement Circuit Breaker 1200 Amp	371-03671-609	2
27	Channel Insulator for 1200 Amp Disconnect Switch, 960 and 1200 Circuit Breaker	071-01127-000	2
Use these part numbers when replacing a 'T' type Disconnect Switch			
26	Replacement Disconnect Switch 250 Amp	024-37497-000	
	Replacement Disconnect Switch 400 Amp	024-37498-000	
	Replacement Disconnect Switch 600 Amp	024-37499-000	
	Replacement Disconnect Switch 1200 Amp	024-37500-000	
For UL Applications			
Use these part numbers when replacing a 'T' type Circuit Breaker			
26	Replacement Circuit Breaker 250 Amp	224-37493-000	
	Replacement Circuit Breaker 400 Amp	224-37494-000	
	Replacement Circuit Breaker 600 Amp	224-37495-000	
	Replacement Circuit Breaker 960 Amp	224-37501-000	
	Replacement Circuit Breaker 1200 Amp	224-37496-000	

Normally, the disconnect switch and circuit breaker are factory installed. However, there may be times when the customer may desire to have these options installed after the starter has already been shipped from the factory. The part number for these kits should use the replacement kit where the switch device designed has changed from the 'S' type to the 'T' type.

The full load rating for these device are listed below.

DISCONNECT SWITCH SIZE	FULL LOAD RANGE
250 Amps	0 - 217 Amps
400 Amps	0 - 348 Amps
600 Amps	0 - 522 Amps
1200 Amps	0 - 1043 Amps

CIRCUIT BREAKER SIZE	FULL LOAD RANGE
250 Amps	100 - 250 Amps
400 Amps	178 - 400 Amps
600 Amps	267 - 600 Amps
960 Amps	426 - 960 Amps
1200 Amps	533 - 1200 Amps

TABLE 19 - SCR REPLACEMENT KIT (STYLE NONE A AND B)

		7L – 40, 46, 50		7L – 58		14L – 17, 28, 40, 46, 50		14L-58	
		375-03048-002		375-03048-003		375-03048-004		375-03048-005	
ITEM	DISCRIPTION	PART NUMBER	QTY.	PART NUMBER	QTY.	PART NUMBER	QTY.	PART NUMBER	QTY.
20	Common Parts	375-02048-001	1	375-02048-001	1	375-02048-001	1	375-02048-001	1
21	Rectifier Assy.	371-02541-332	1	371-02541-333	1	371-02541-334	1	371-02541-335	1
22	Standoff	-----	---	-----	---	-----	---	-----	---

TABLE 20 - SCR REPLACEMENT KIT (STYLE NONE A AND B)

		26L - 17, 28, 40, 46, 50		26L-58		33L - 17, 28, 40, 46, 50	
		375-03048-006		375-03048-007		375-03048-008	
ITEM	DISCRIPTION	PART NUMBER	QTY.	PART NUMBER	QTY.	PART NUMBER	QTY.
20	Common Parts	375-02048-001	1	375-02048-001	1	375-02048-001	1
21	Rectifier Assy.	371-02542-332	1	371-02542-333	1	371-02543-332	1
22	Standoff	021-17565-000	2	021-17565-000	2	021-17565-000	2

TABLE 21 - COMMON PARTS 375-03048-001

ITEM	DESCRIPTION	PART NUMBER	QUANTITY PER KIT
1	Instruction. Installation	075-03048-000	1
2	Inhibitor, Corrosion AL/CU	013-04129-000	1
3	Hose Clamp	021-17547-000	4
4	Hose Barb	023-16247-000	2
5	Tube, Plastic 7/16" I.D.	028-12239-000	4.25 FT
6	Nipple, Brass ¼ NPT X 7/8	023-16260-000	2
7	Fitting, ¼ Int. X3/8 Ext Fl.	023-00900-000	2
8	Compound, Anti-Oxidant	013-02880-000	1
9	Bag, Cloth W/Drawstring	030-00755-000	1

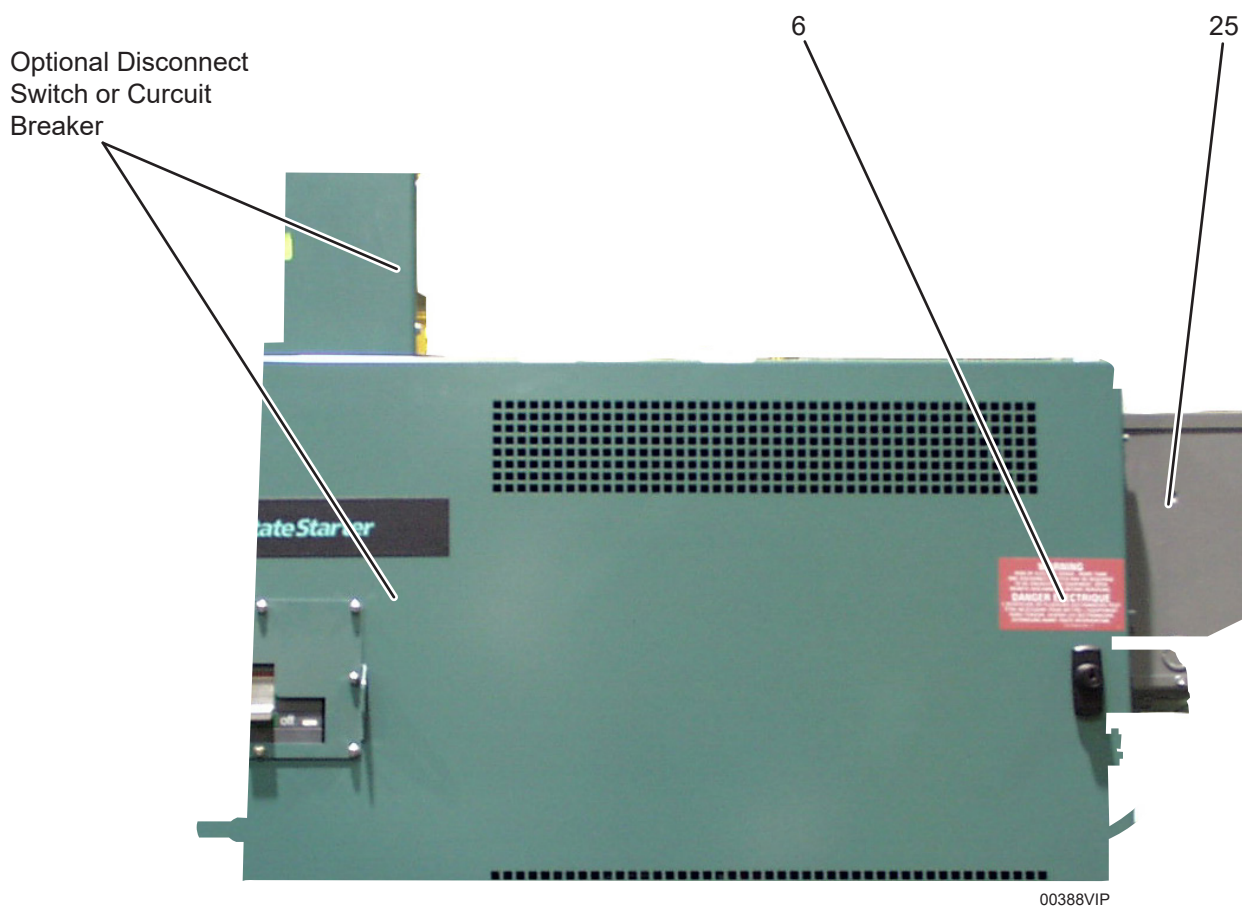


FIGURE 1 - SOLID START STARTER - FRONT VIEW, EXTERIOR

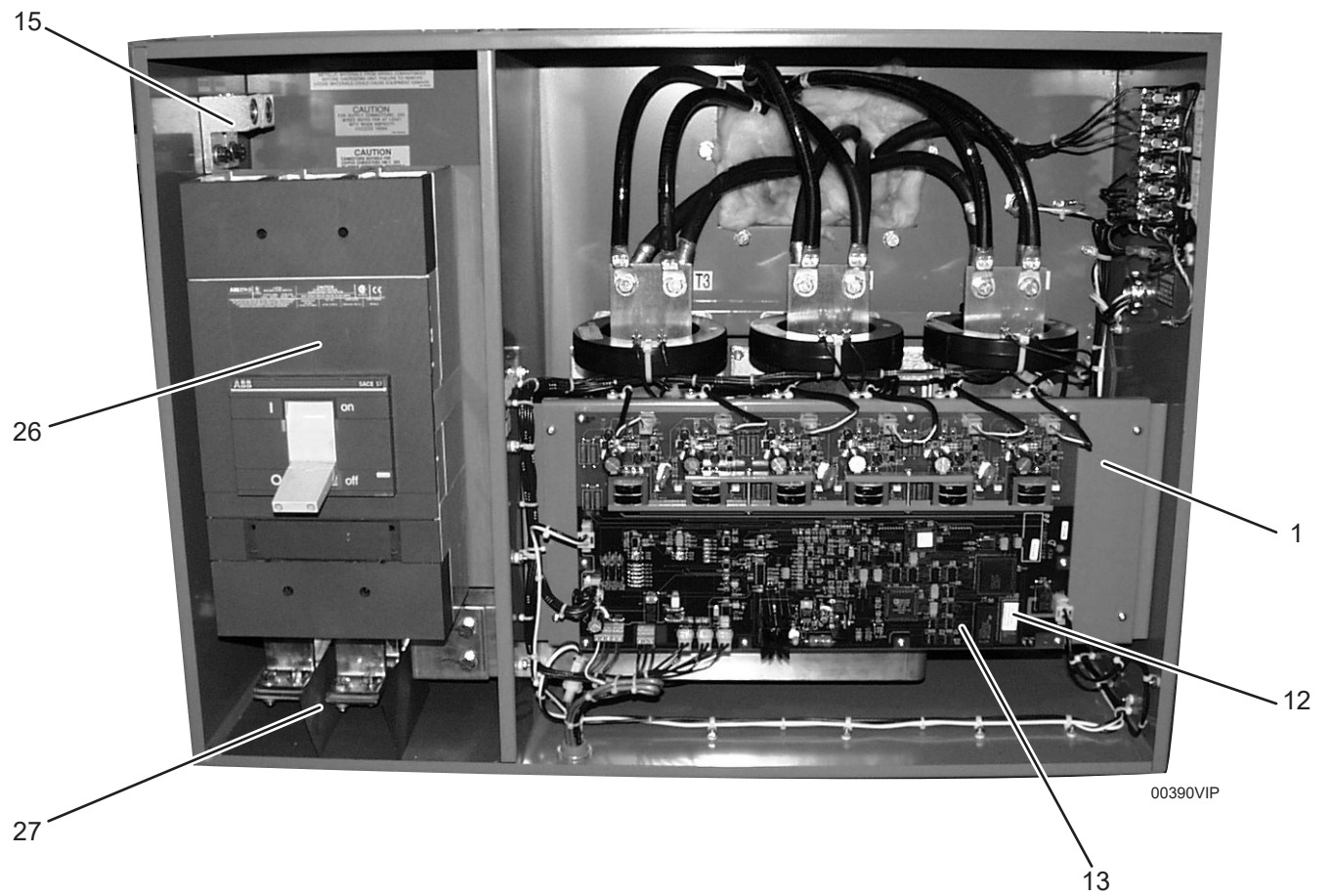


FIGURE 2 - SOLID START STARTER - INTERIOR VIEW

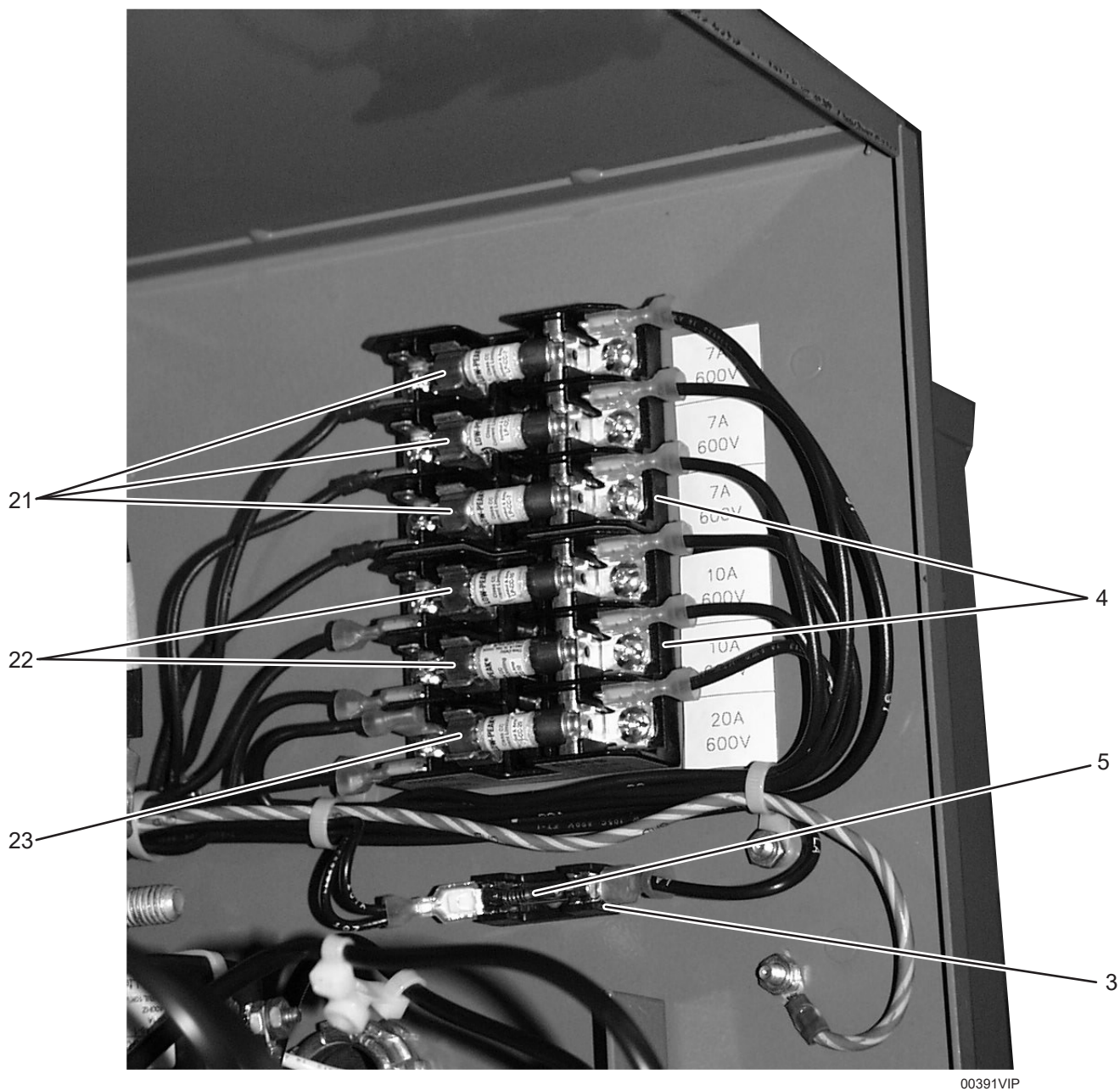


FIGURE 3 - SOLID START STARTER - FUSE DETAIL

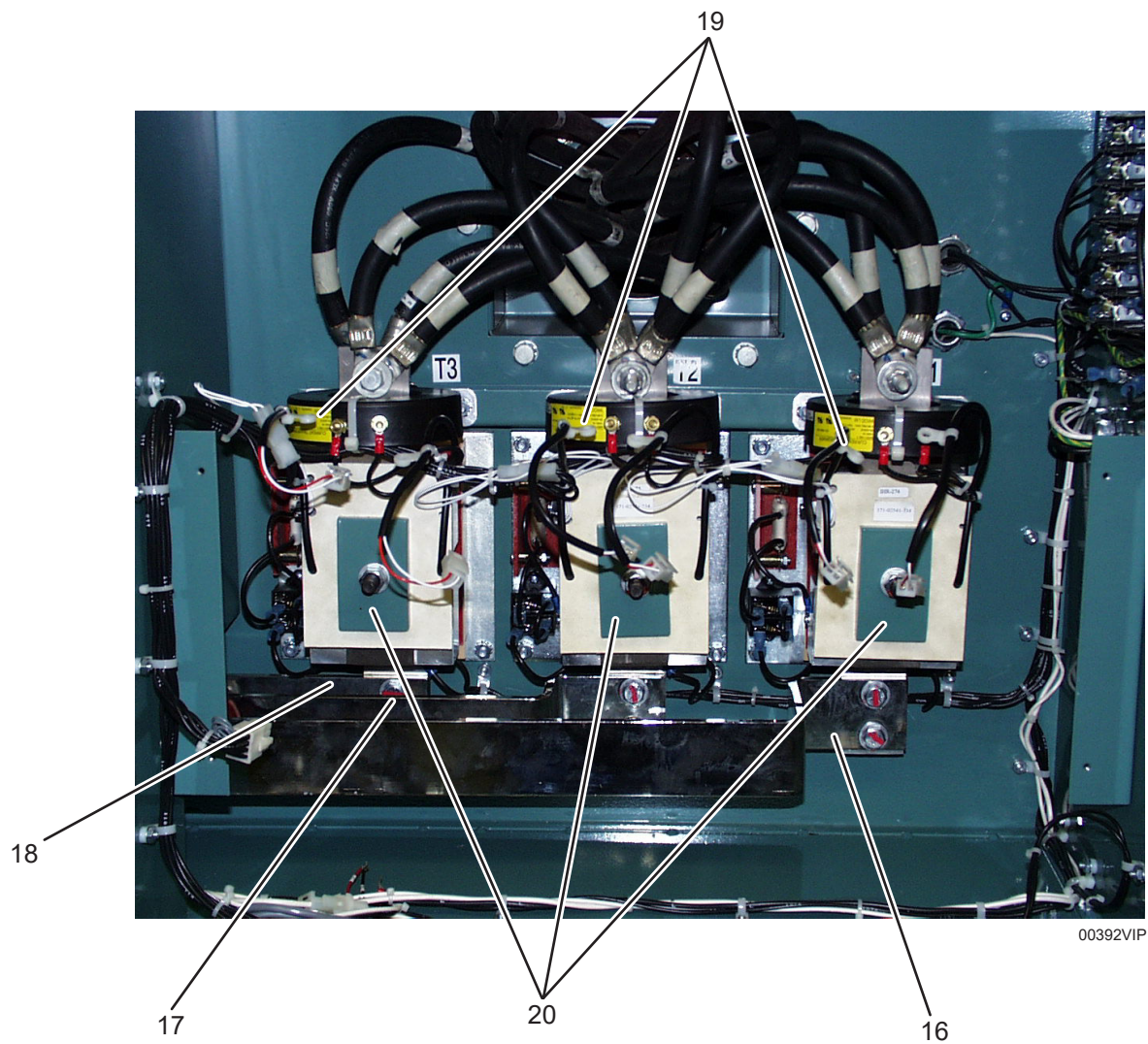
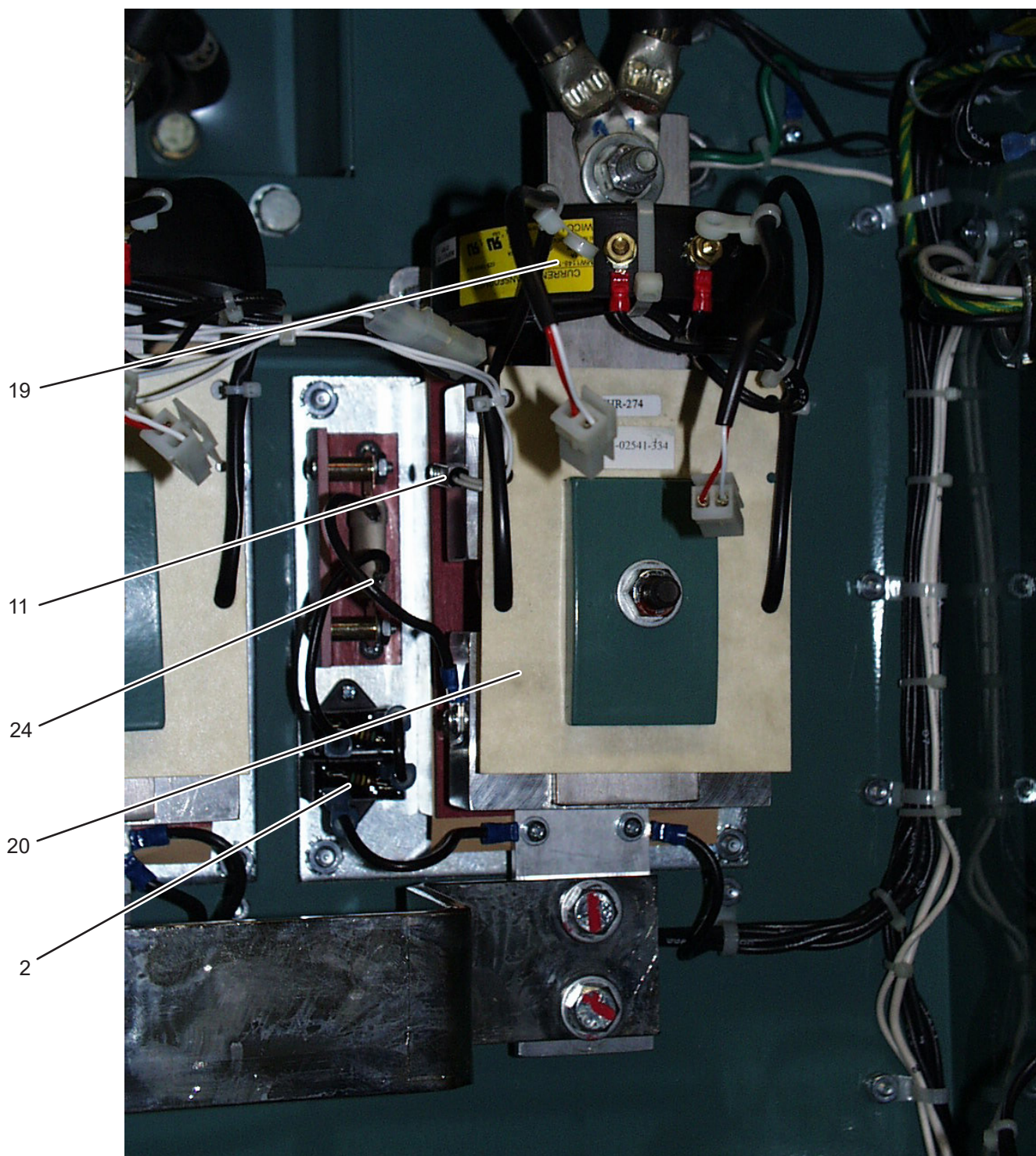


FIGURE 4 - SOLID START STARTER - POWER SECTION DETAIL



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FIGURE 5 - SOLID START STARTER - SCR POLE DETAIL

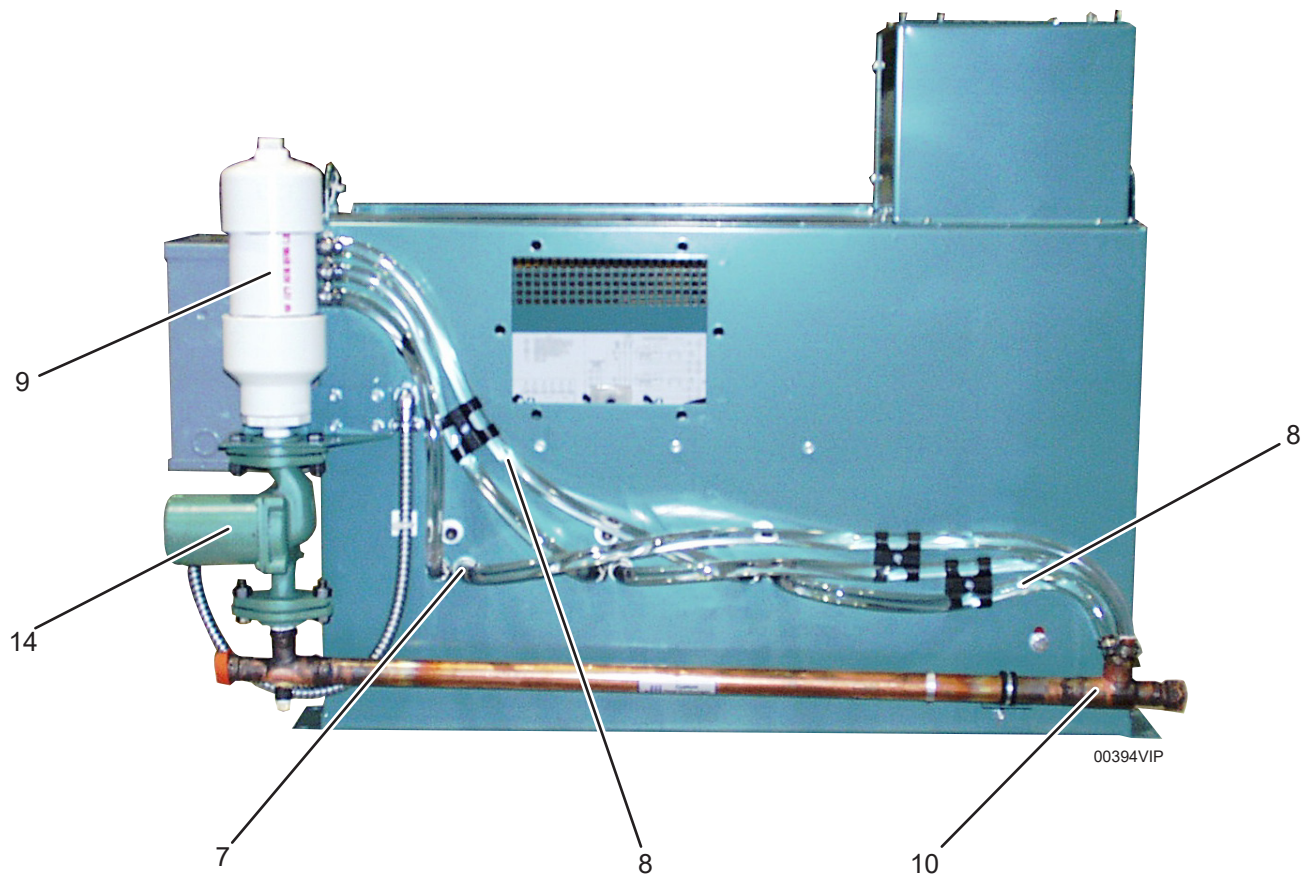


FIGURE 6 - SOLID START STARTER - REAR VIEW, COOLING LOOP

NOTES

The following factors can be used to convert from English to the most common SI Metric values.

TABLE 22 - SI METRIC CONVERSION

MEASUREMENT	MULTIPLY ENGLISH UNIT	BY FACTOR	TO OBTAIN METRIC UNIT
Capacity	Tons Refrigerant Effect (ton)	3.516	Kilowatts (kW)
Power	Horsepower	0.7457	Kilowatts (kW)
Flow Rate	Gallons / Minute (gpm)	0.0631	Liters / Second (l/s)
Length	Feet (ft)	0.3048	Meters (m)
	Inches (in)	25.4	Millimeters (mm)
Weight	Pounds (lbs)	0.4536	Kilograms (kg)
Velocity	Feet / Second (fps)	0.3048	Meters / Second (m/s)
Pressure Drop	Feet of Water (ft)	2.989	Kilopascals (kPa)
	Pounds / Square Inch (psi)	6.895	Kilopascals (kPa)

TEMPERATURE

To convert degrees Fahrenheit (°F) to degrees Celsius (°C), subtract 32° and multiply by 5/9 or 0.5556.

Example: $(45.0^{\circ}\text{F} - 32^{\circ}) \times 0.5556 = 7.22^{\circ}\text{C}$

To convert a temperature range (i.e., a range of 10°F) from Fahrenheit to Celsius, multiply by 5/9 or 0.5556.

Example: $10.0^{\circ}\text{F range} \times 0.5556 = 5.6^{\circ}\text{C range}$



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