INSTALLATION INSTRUCTIONS

SEE

NOTE

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SEE

NOTE 4

SEE NOTE 7

Please Note Before Installation

Hardware Resource Company (HRC) cannot control the use or installation of add-on, spare, or replacement parts. Therefore, HRC shall have no responsibility for injury or damage resulting from improper installation or other misuse. Parties undertaking use of these parts assume full responsibility for following proper installation procedures.

Instructions for installing replacement connecting hardware kits

- <u>.</u> Ensure all electrical power and voltage has been turned off, locked off, and tagged out. Do not attempt to install product into a switchboard or panelboard while energized. Installation of this product should Ensure all electrical power and voltage has been turned off, locked off, and tagged out. performed by qualified personnel only.
- 2.) a calibrated voltage detection instrument After electricity has been locked off and tagged out, confirm that no electrical current is present by using

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- <u>(3</u> Remove dead front cover plates as necessary to gain access to work area
- <u>.</u> Tighten screws or bolts to finger tight at this point De-energized bus bar should now be exposed. Install the B phase (center phase) connector first.
- 5.) Install out side phase connector(s), and tighten with fingers
- 6.) Install bus bar anti-turn devices if provided. (Not all kits utilize anti-turn devices.)
- 7.) Install circuit breaker or switch mounting brackets if provided
- ... fit. If not available, refer to the attached assembly drawings for procomponents parts. (Circuit breaker or switch is not included in this kit.) If available, place the circuit breaker or switch into its intended location to verify proper alignment and refer to the attached assembly drawings for proper dimensions and locations of
- 9.) visible obstructions or foreign materials present that might conductors. Remove any obstructions or foreign materials reduce proper electrical clearances, before continuing. After proper alignment has been verified, tighten all bus listed in table to the right. Check to be sure there are no connections with a calibrated torque wrench to the values or damage insulated
- 10.) If available, install circuit breaker or switch onto connectors If not available, go to step 11.
- 11.) Install circuit breaker or switch filler plates when provided. (Some may not be required with twin-mounted breakers)

12.)

shall re-energize any switchboard or panel board. switchboard or panelboard without first following all safety and procedural practices necessary to ensure it is safe to re-apply power to the equipment. Only qualified personnel Re-install dead front cover plates. Do not re-energize the

Torqı Alun	Torque Values for Copper or Aluminum Bar Connections	r Copper or onnections
Bolt Size Inch, (mm)	ize (mm)	Torque lb, - in.
#10		30
1/4	(6.4)	65
5/16	(7.9)	128
3/8	(9.5)	240
1/2	(12.7)	600

Torqu Alum	Torque Values for Copper or Aluminum Bar Connections	opper or ections	
Bolt Size Inch, (mm)	ize mm)	Torque lb, - in.	
#10		30	
1/4	(6.4)	65	
5/16	(7.9)	128	
3/8	(9.5)	240	
1/2	(12.7)	600	

7175 014	21P-209C(1890P4 (35 WIDE SECTIONS) 21P-209C(1890P3 (40 & 45 WIDE SECTIONS)	THIS MOUNTING AVAILABLE ON PAVELS BUILT AFTER OCTOBER 2002
1000TOTTON		FRONT OF CON MOUNTIN
111	3.25	PHASE PHA VIEW SHOWING NACTIONS TO 1 ER REMOVED T
7175	│	LEFT CENTER RIGHT SE PHASE PHASE PHASE PHASE FRONT VIEW SHOWING MOUNTING LOCATIONS OF CONNECTIONS TO BUS BARS AND BREAKER MOUNTING BRACKET TO "Z" RAILS (BREAKER REMOVED TO SHOW CONNECTORS)
JOSSIDITION		SEE NOTE 6
# N = -	SEE NOTE 8	USE APPROPRIATE FILLER PLATE BASED ON SECTION WIDTH

NOTICE

A PHASE CONNECTOR

B PHASE CONNECTOR

C PHASE CONNECTOR
BREAKER MOUNTING BRACKET

BREAKER MOUNTING BRACKE

PHASE

ANTI

TURN DEVICE

FRONT FRONT

FISH

INSULATION

PRODUCT BY THE MANUFACTURER AND DOES NOT REPRESENT AN ENDORSEMENT OF THIS TRADEMARK IS FOR INFORMATIONAL PURPOSES ONLY THE USE OF THE ORIGINAL EQUIPMENT MANUFACTURER'S



GENERAL ELECTRIC 100AMP MOUNTING HARDWAI TEY BREAKERS IN APN TY PANEL TWIN MOUNT

KIT No.	21-D7	DRAWING No.
RE\	TEY	LAYER
	- - - -	

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21P-208C1850P3	21I-FP19-00	21F-D7APN5B-00	21F-D117TEY-00-45	21F-D117TEY-00-40	21F-D117TEY-00-35	21S-AT10-02	21M-D7APN4-00	21M-D7APN-01	21J-D117TEY-00-03	21J-D117TEY-00-02	21J-D117TEY-00-01	DWG No.
\bigcirc	$\left(\right)$	$\left(\right)$	$\left(\right)$	$\left(\right)$	$\left(\right)$	(15)		(a)	(iv)			ITEM QTY.
						10	ω	ω	ω		Ŋ	QTY.
						1%2 X %" SELF TAP BOLT	14-20 STAR HEX NUT	14-20 FLAT WASHER	¼-20 × 1¼″ CARRIAGE BOLT	BREAKER OR SWITCH	FILLER MOUNTING BRACKET	DESCRIPTION
							21H-11				21P-20	DWG

7TEY-00