## INSTALLATION INSTRUCTIONS

SEE

NOTE

TYP 3 PLCS

SEE NOTE 4 (

## 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> be performed by qualified personnel only 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. Do not attempt
- 2 a calibrated voltage detection instrument. After electricity has been locked off and tagged out, confirm that no electrical current is present by using
- $\omega$ Remove dead front cover plates as necessary to gain access to work area
- 4 De-energized bus bar should now be exposed. Tighten screws or bolts to finger tight at this point. Install the B phase (center phase) connector first.

SEE

NOTE

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FRONT VIEW SHOWING

MOUNTING LOCATIONS

CENTER PHASE

RIGHT PHASE

0 0

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0

0

0 0

69

0

0

0

0

0 0 0 0 0

0

0

0

1.38

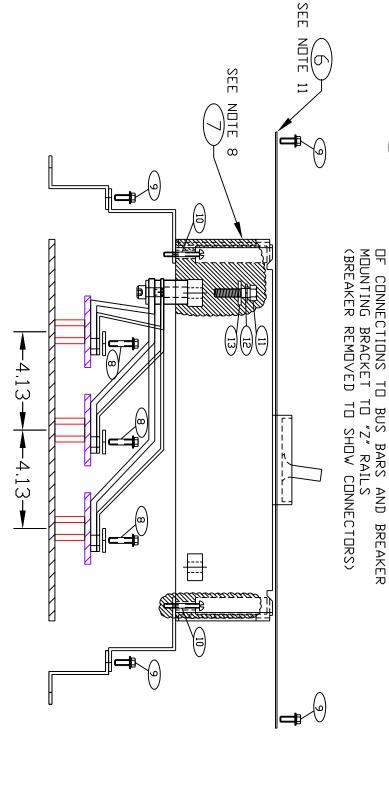
0 0 0 0 0

SEE NOTE 7

- 5. Install out side phase connector(s), and tighten with fingers
- <u>რ</u> 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
- .00 components parts. (Circuit breaker or switch is not included in this kit.) fit. If not available, 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. before continuing. visible obstructions or foreign materials present that might connections with a calibrated torque wrench to the values listed in table to the right. Check to be sure there are no After proper alignment has been verified, tighten all bus conductors reduce proper electrical clearances, Remove any obstructions or foreign or damage insulated materials
- <u>10</u>.) 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 re-apply power to the equipment. Only qualified personne and procedural practices necessary to ensure it is safe to switchboard or panelboard without first following all safety Re-install dead front cover plates. Do not re-energize the

Torqu Alum	Torque Values for Copper or Aluminum Bar Connections	opper or nections
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	Torque Values for Copper or	er or
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#10		30
1/4	(6.4)	65
5/16	(7.9)	128
3/8	(9.5)	240
1/2	(12.7)	600



## NOTICE

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



CUTLER-HAMMER/WESTINGHOUSE 800AMP MOUNTING HARDWARE FOR MD, MDL, MC BREAKERS IN PRL-4 TYPE PANEL SINGLE MT SINGLE MTD

KIT No DRAWING No. 21-A1-MD4 21-A181MD4 LAYER MD4 C REV

RE < - C 8-05-04 7-01-03 9-5-02 REV'D DWG NO I ITEM 6 AND DESCRIRTION ITEM 5 SCREW LENGHT.

10

		BREAKER MOUNT FILE BRANCH BUS SIDEAD FRONT/FILE BREAKER OR SINGUIS SEARCH SALE SEARCH SALE SALE SALE SALE SALE SALE SALE SALE	TING BRACKET UPPORT WITCH WITCH LEF TAP BOLT LF TAP BOLT LF TAP BOLT LF TAP BOLT EF TAP BOLT EF TAP BOLT ID HEAD SCREW X BOLT ER ER
<b>1)</b>	טף	RREAKER MOUNTING RRACKET	21J-A181MD4-00-03
4	N	BREAKER MOUNTING BRACKET	21M-A181MD4-00-04
<b>(</b>	ro	BREAKER MOUNTING BRACKET	21M-A181MD
(v	ω	BRANCH BUS SUPPORT	21S-AT08-01
<u>^`</u>	_	DEAD ERONT/FILLER PLATE	21F-A181MD4-01-06
7		BREAKER OR SWITCH	
V	6	¼-20 X 1½" SELF TAP BOLT	
(9)	8	¼-20 x ¾° SELF TAP BOLT	
( <u>i</u>	4	ኽ <sub>6</sub> " X 1¼" ROUND HEAD SCREW	
( <del>=</del> )	3	%-16 X 1¼" HEX BOLT	21H-A181MD4-00
12)	3	%″ L□CK WASHER	
Υ	3	%" FLAT WASHER	
$\bigcup$			
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