## NSTALLATION INSTRUCTIONS

## 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. be performed by qualified personnel only to install product into a switchboard or panelboard while energized. Installation of this Do not attempt product should
- 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
- <u>4</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.
- 9 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
- 9 components 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 If not available, refer to the attached assembly drawings for proper dimensions and locations of
- 9. After proper alignment has been verified, tighten all bus connections with a calibrated torque wrench to the values listed in table to the right. Check to be sure there are no visible obstructions or foreign materials present that might reduce proper electrical clearances, or damage insulated conductors. Remove any obstructions or foreign materials before continuing. all bus
- 10.) lf not available, If available, install circuit breaker or switch onto connectors go to step 11
- 11.) (Some may not be required with twin-mounted breakers) Install circuit breaker or switch filler plates when provided
- Re-install dead front cover plates. Do not re-energize the switchboard or panelboard without first following all safety shall re-energize any switchboard or panel board re-apply power to the equipment. Only qualified personnel Re-install dead front cover plates. and procedural practices necessary to ensure it is safe to

12.)

Torqu Alum	Torque Values for Copper or Aluminum Bar Connections	Copper or nnections
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
15	(12.7)	800

## NOTICE

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



CUTLER-HAMMER/WESTINGHOUSE 400AMP MOUNTING HARDWARE FOR KD, HKD, BREAKERS IN CDP TYPE PANEL TWIN MOUNT

DRAWING Z O No. 21-A2 X 11

21-A162KD1-00

