INSTALLATION INSTRUCTIONS

SEE

NOTE

വ

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

: 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 be performed by qualified personnel only.

00.8

0

0 0

0

0

0

0

0

0

0

0 0 0 0

69

0

0

0

0

0,25

0 0

0

FRONT VIEW SHOWIN

IG MOUNTING LOCATIONS
BUS BARS AND BREAKER
TO "Z" RAILS O "Z" RAILS

SEE NOTE 8

Ø

LEFT PHASE

CENTER PHASE

RIGHT PHASE

SEE NOTE 5

MOUNTING BRACKET OF CONNECTIONS SEE NOTE

0 0 0

0

0

0

0 0 0 0

SEE

NOTE

0

0

0

0

1,38

0

0

0

0

SEE NOTE 4

(o

- 2.) a calibrated voltage detection instrument. After electricity has been locked off and tagged out, confirm that no electrical current is present by using
- <u>.</u> 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
- 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
- .8 If available, place the circuit breaker or switch into its intended location to verify proper alignment and components parts. (Circuit breaker or switch is not included in this kit.) If not available, refer to the attached assembly drawings for proper dimensions and locations of

1,81

- 9. before continuing. visible obstructions or foreign materials present that might conductors. Remove any obstructions or foreign materials reduce proper electrical clearances, connections with a calibrated torque wrench to the values After proper alignment has been verified, in table to the right. Check to be sure there are no or damage insulated tighten all bus
- If not available, go to step 11. If available, install circuit breaker or switch onto connectors
- 11.) (Some may not be required with twin-mounted breakers) Install circuit breaker or switch filler plates when provided
- 12.) 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 shall re-energize any switchboard or panel board. Re-install dead front cover plates. Do not re-energize the

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

9

σ

(F)

NOTICE

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



TITLE: CUTLER-HAMMER/WESTINGHOUSE 1200AMP MOUNTING HARDWARE FOR ND, NC, HNC BREAKERS IN CDP TYPE PANEL SINGLE MOUN' SINGLE MOUN. KIT No. DRAWING 21-A192ND1 No. LAYER ND1

REV

(16)	(15) 6	14 4	(13) 4	(12) 8		6	9	60	7	6	5	4	(ည 1	က 1		TTEM QTY
% LOCK WASHER	%-16 X 1¼" SOCKET CAP SCREW	14-20 X 134" ROUND HD SCREW	1/4" STAR NUTS	1/4" FLAT WASHERS	¾-20 X ¾′ HEX HEAD BOLT	¼-20 X 1¾″ SELF TAP BOLT	BREAKER OR SWITCH		INSULATION BREAKER SUPPORT	INSULATION BREAKER SUPPORT	BREAKER MOUNTING BRACKET	BREAKER MOUNTING BRACKET	C PHASE CONNECTOR	B PHASE CONNECTOR	A PHASE CONNECTOR	DESCRIPTION
	21H-A192ND1-00								21I-FP09-03	21I-FP08-01	21M-A192ND1-01-05	21M-A192ND1-01-04	21J-A192ND1-01-03	21J-A192ND1-01-02	21J-A192ND1-01-01	DWG No.
	8										-05	-04	-03	-02	-01	
		0	0	0	0	0	0	0	0	0						ITEM QT
		0	0	0	0	0	0	0	0						-01 (17) 6 %' FLAT WASHER	ITEM QTY. DESCRIPTION

3,50

3,50

A