



---

# 1334-MOD-A6

---

## Remote Output Digital Ammeter

---

### Description

The 1334-MOD-A6 provides a means of sensing and displaying the Drive output current remotely. The Remote Digital Ammeter Kit senses the Drive output current by placing a current transformer in the CØ output circuit of the Drive. The current signal from the transducer is applied to the Remote Output Amps Sensing Board. The board scales and conditions the signal into a (3) digit display which is then shown remotely at the Remote Output Amps Display Board.

The 1334-MOD-A6 Remote Output Digital Ammeter may only be used with the following Allen-Bradley AC Drives. If a local display is required, the 1334-MOD-A5 Local Output Digital Ammeter Option Kit must be used.

- **Bulletin 1334 15, 20, & 25 HP 575V Drives**
- **Bulletin 1334 30, 40, & 50 HP 575V Drives**
- **Bulletin 1335 77 & 96 Amp Variable Torque Drives**

### Each 1335-MOD-A6 Option Kit Includes:

- (1) Remote Output Volts/Amps Display Board, P/N 50478-001
- (1) Display Board Mounting Bracket, P/N 122356
- (1) Display Board Bezel w/ Plastic Display Cover, P/N 201484
- (2) #6 Flat Washers, P/N 239453
- (2) 6-32 Hex Head Nuts, P/N 226262
- (6) ¼", ¼-Turn Standoffs, P/N 201104
- (1) Remote Output Amp Sensing Board, P/N 50915-003
- (1) Output Amps Sensing Board Insulator, P/N 162037
- (2) Adhesive Backed Board Mounting Clips, P/N 158007-001
- (1) Sensing to Logic Ribbon Cable Assembly, P/N 41442-003
- (8) Adhesive Backed Ribbon Cable Clamps, P/N 200391
- (1) LEM Current Sensor, P/N 202097
- (1) LEM Wire Harness, P/N 197405
- (4) #6 Flat Washers, P/N 235415
- (4) #6 Split Lock Washers, P/N 239453
- (4) 6-32 Hex Head Nuts, P/N 226270
- (6) Cable Ties, P/N 222747

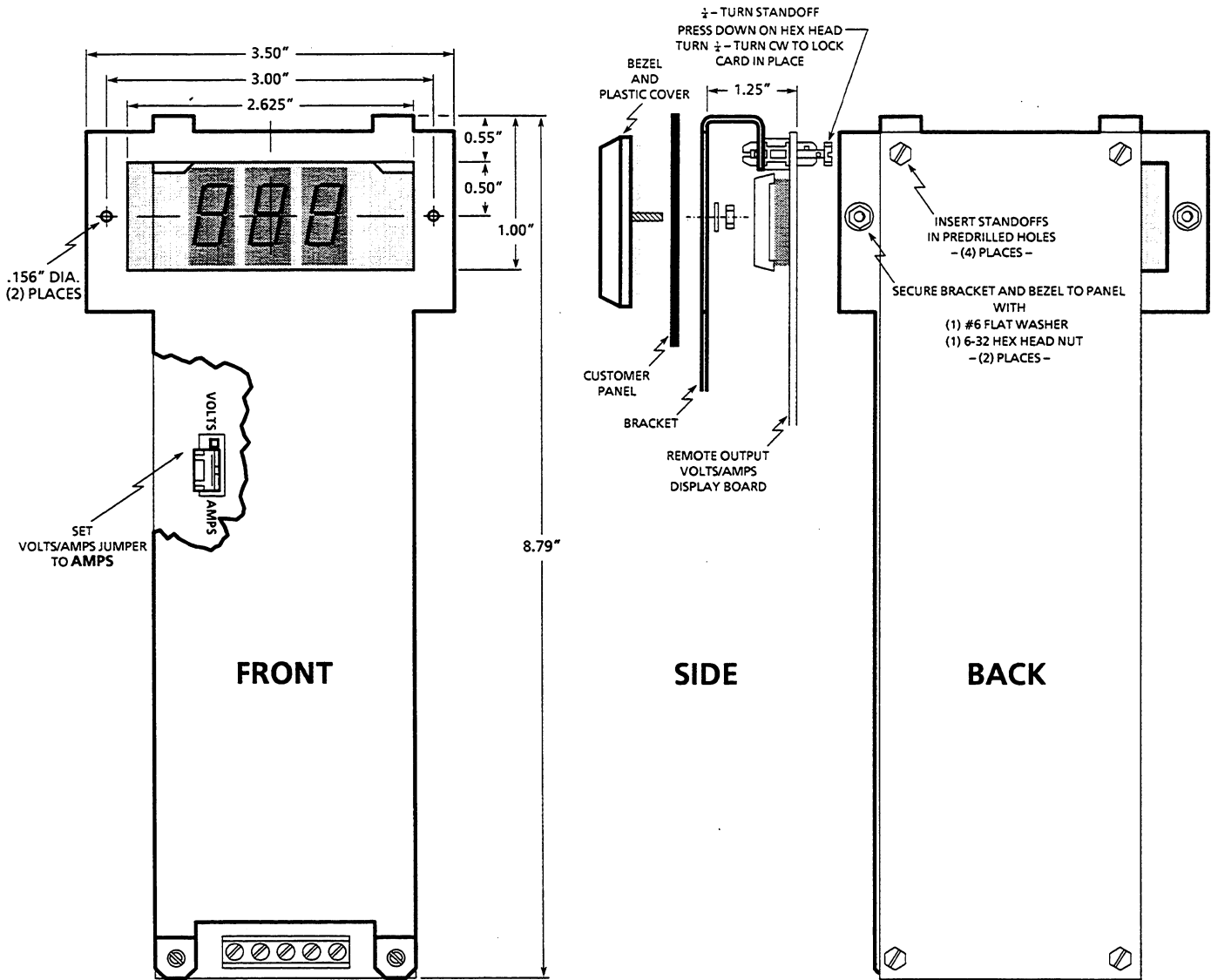
### Installation



#### WARNING

Only personnel familiar with the Drive and its associated machinery should plan or implement the installation, startup, and adjustment of MOD kits. Failure to comply may result in personal injury and/or equipment damage.

To guard against personal injury, always remove power to the Drive at the disconnect device and ensure that DS1 is not lit when boards or wires are being installed or connected. Refer to the instruction manual for your Drive for LED location.



**Remote Output Volts/Amps Display Board, Bracket, & Bezel Installation**

- Bulletin 1334 15, 20, & 25 HP 575V Drives -
- Bulletin 1334 30, 40, & 50 HP 575V Drives -
- Bulletin 1335 77 & 96 Amp Variable Torque Drives -

**Installation  
(continued)**

**Remote Output Volts/Amps  
Display Board, Bracket, & Bezel  
Installation  
- page 2 -**

**IMPORTANT**

Ensure that the VOLTS/ AMPS jumper on the Remote Output Volts/Amps Display Board has been set to AMPS prior to installation. Setting the VOLTS/ AMPS jumper to VOLTS will cause false values to be displayed at the board.

1. Mark and cut a 1.00" x 2.625" display window into the remote panel. Mark and drill (2) .156" mounting holes into the remote panel.
2. Position the bracket, bezel, and plastic display cover on the panel and secure with the (2) #6 flat washers and 6-32 hex head nuts as shown.
3. Position the Remote Output Volts/Amps Display Board on the back of the installed bracket. Install the (4) 1/4", 1/4-turn standoffs and secure as shown.

Installation  
(continued)



**WARNING**

To guard against personal injury, always remove power to the Drive at the disconnect device and ensure that DS1 is not lit when boards or wires are being installed or connected. Refer to the instruction manual for your Drive for LED location.

**Remote Output Amps Sensing Board Installation**  
– pages 4, 6, & 8 –

1. Depending upon the AC Drive installed, install the (2)  $\frac{1}{4}$ " ,  $\frac{1}{4}$ -turn standoffs in the pre-drilled holes beneath the Modulator Logic Board on either the inside or outside of the hinged panel.
2. Slide the adhesive backed board mounting clips onto the bottom edge of the Remote Output Amps Sensing Board. Peel the paper from the adhesive, place the board onto the standoffs, and press the board and clips firmly against the door to obtain adherence.
3. Pull the Remote Output Amps Sensing Board away from the standoffs and place the board insulator over the standoffs between the board and the door. Push the board back onto the standoffs and secure as shown.

**LEM Current Sensor Installation**  
– pages 5, 7, & 8 –

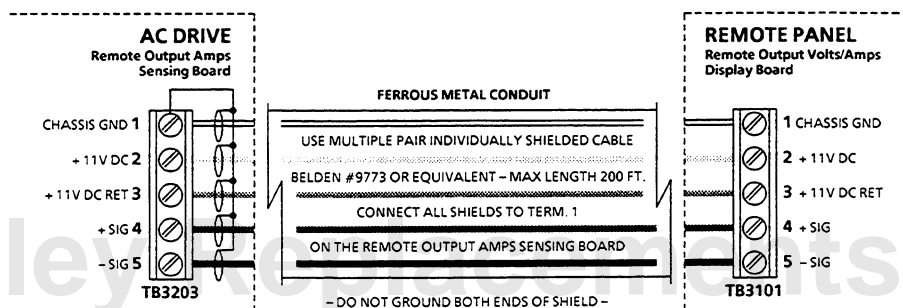
1. Disconnect the  $\emptyset C$  lead from terminal block 2TB. With the arrow on the LEM Current Sensor oriented as shown, thread the lead through the hole in the center of the LEM and reconnect the lead to 2TB.
2. Slide the LEM onto the (4) 6-32 threaded studs provided on the Drive back panel. Secure the LEM using (1) #6 flat washer, (1) #6 split lock washer, and (1) 6-32 hex head nut on each stud.

**Chassis Cable Installation**  
– pages 4, 5, 6, 7, & 8 –

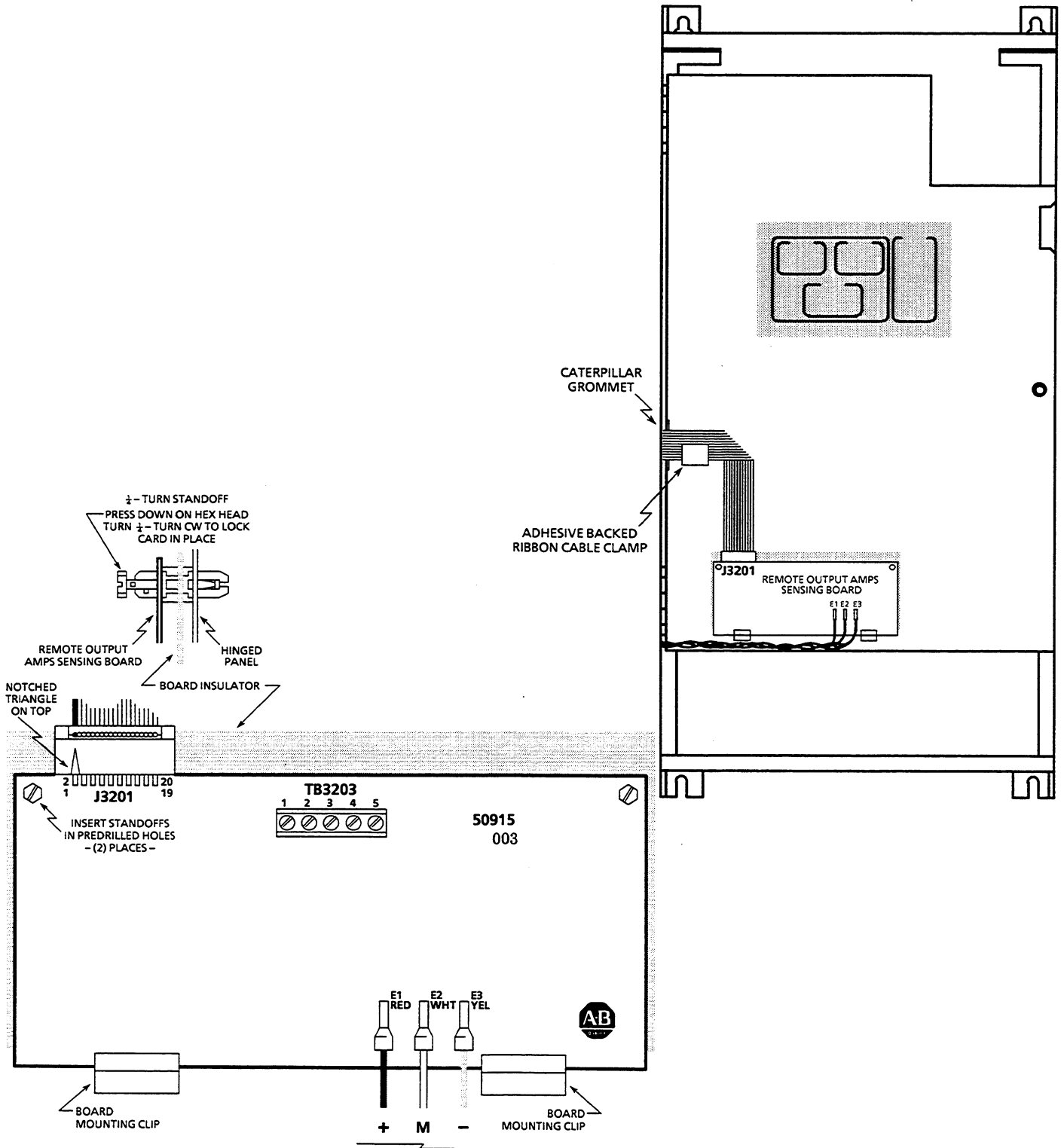
1. Route and connect the sensing to logic ribbon cable between Remote Output Amps Sensing Board connector J3201 and Modulator Logic Board connector J110. Ensure that the notched triangle on both ribbon cable connectors is as shown. Install the adhesive backed ribbon cable clamps as required to secure the ribbon cable.
2. Install the the ribbon cable grommet in Bulletin 1334 Drives to protect the ribbon cable against abrasion where it crosses the door edge.
2. Route and connect the LEM wire harness between the LEM Current Sensor and the Remote Output Amps Sensing Board. Use the cable ties to tie the wire harness to the existing main wire harness of the Drive as required.

**Remote Output Volts/Amps Display Board Interconnection Wiring**

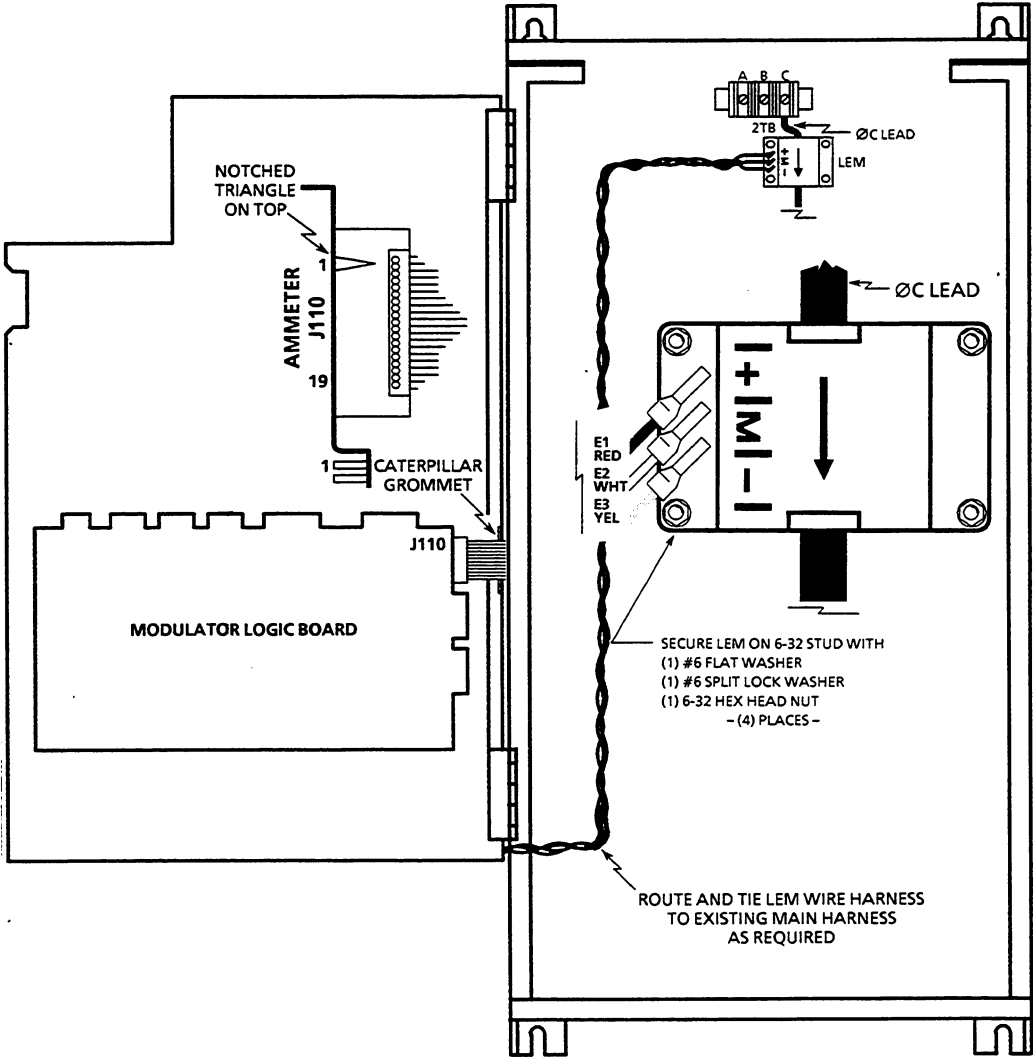
Wire for interconnections between the Remote Output Amps Sensing Board and the Remote Output Volts/Amps Display Board is not provided with the kit. Interconnection wiring must be run in its own separate ferrous metal conduit. Use cable ties to tie interconnection wiring to the existing main harness in the Drive as required.



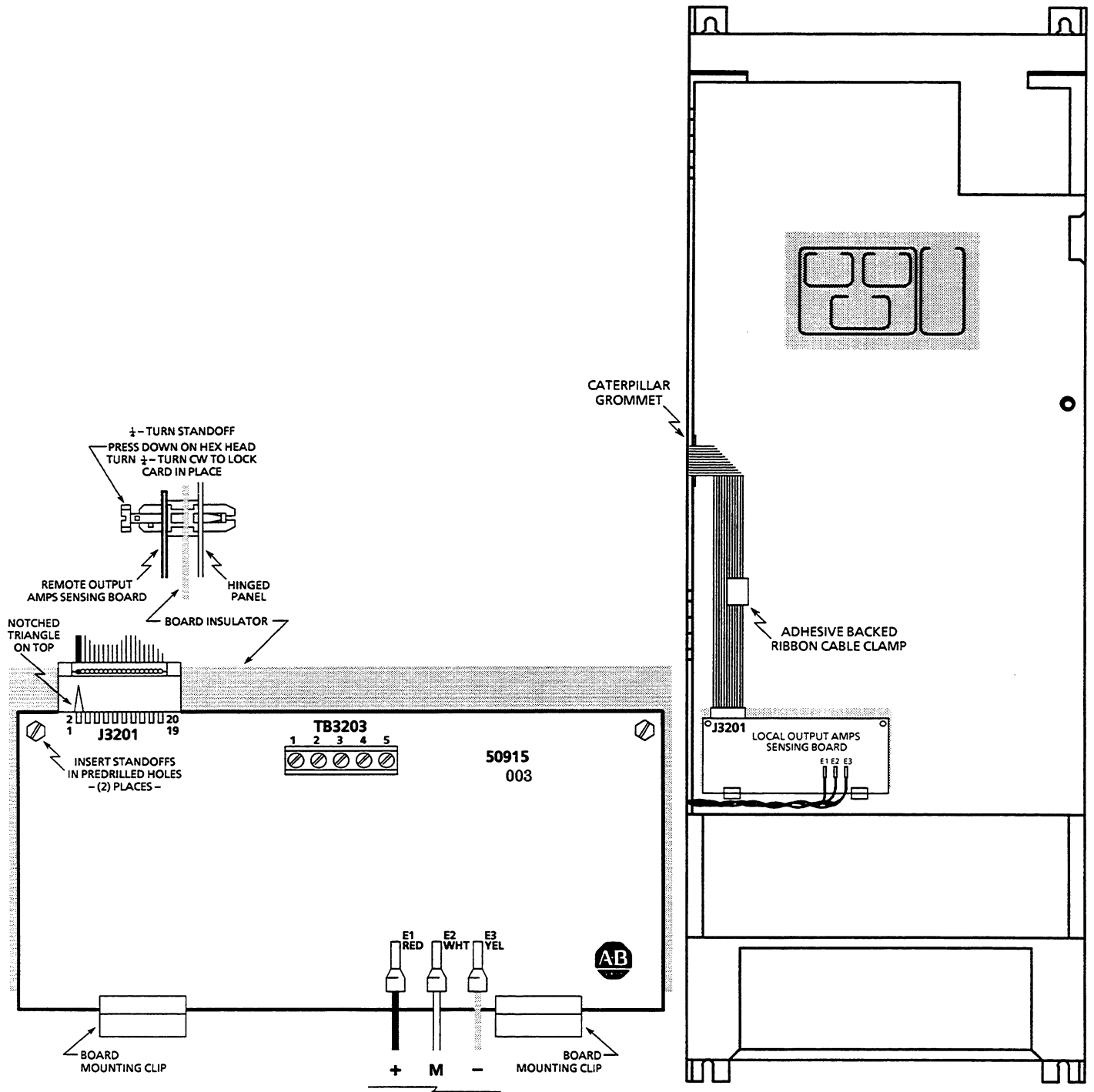
Remote Output Volts/Amps Display Board Interconnection Wiring



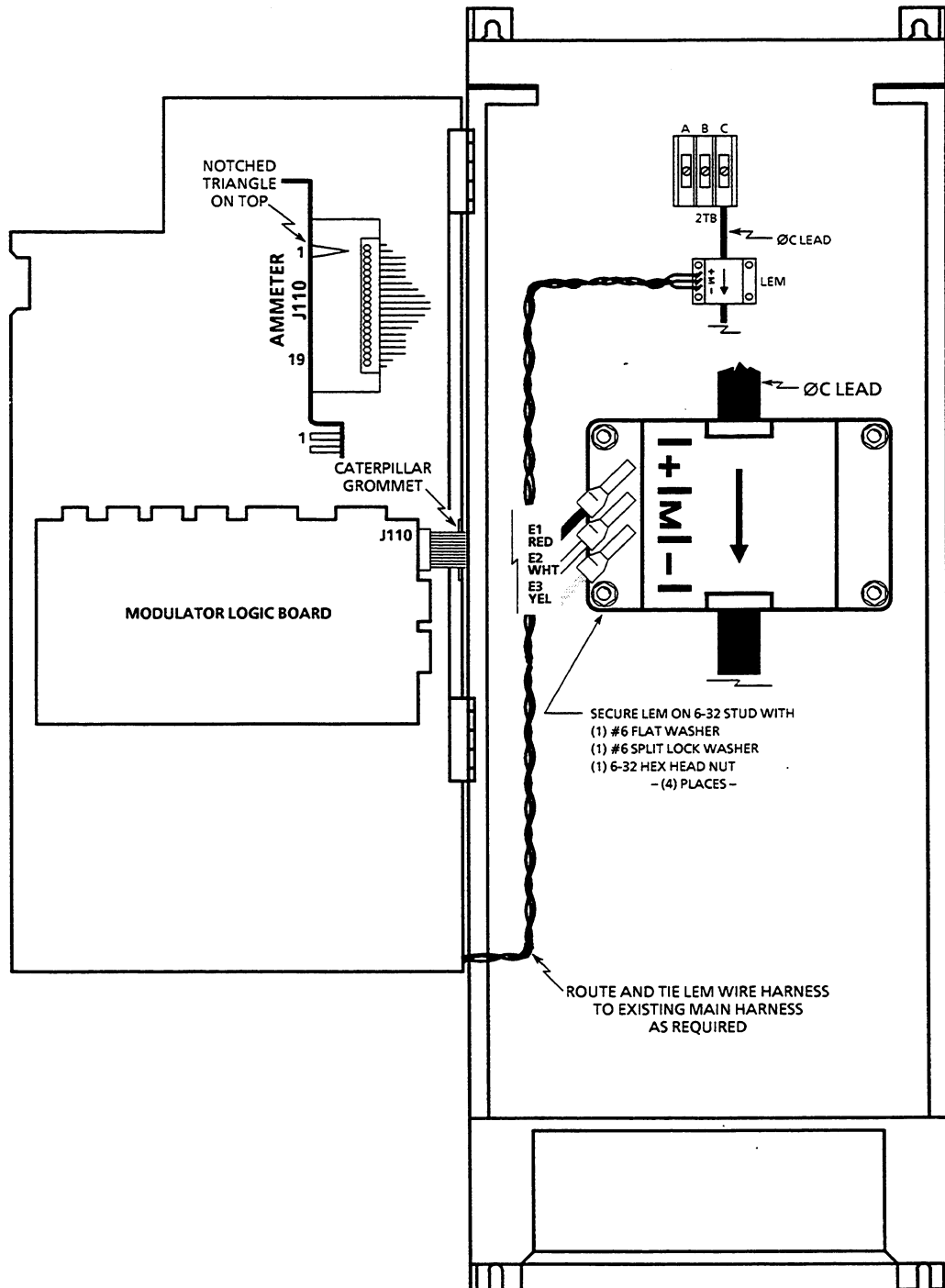
**Remote Output Amps Sensing Board & Cable Installation**  
 - Bulletin 1334 15, 20, & 25 HP 575V Drives -



**LEM Current Sensor & Cable Installation**  
- Bulletin 1334 15, 20, & 25 HP 575V Drives -

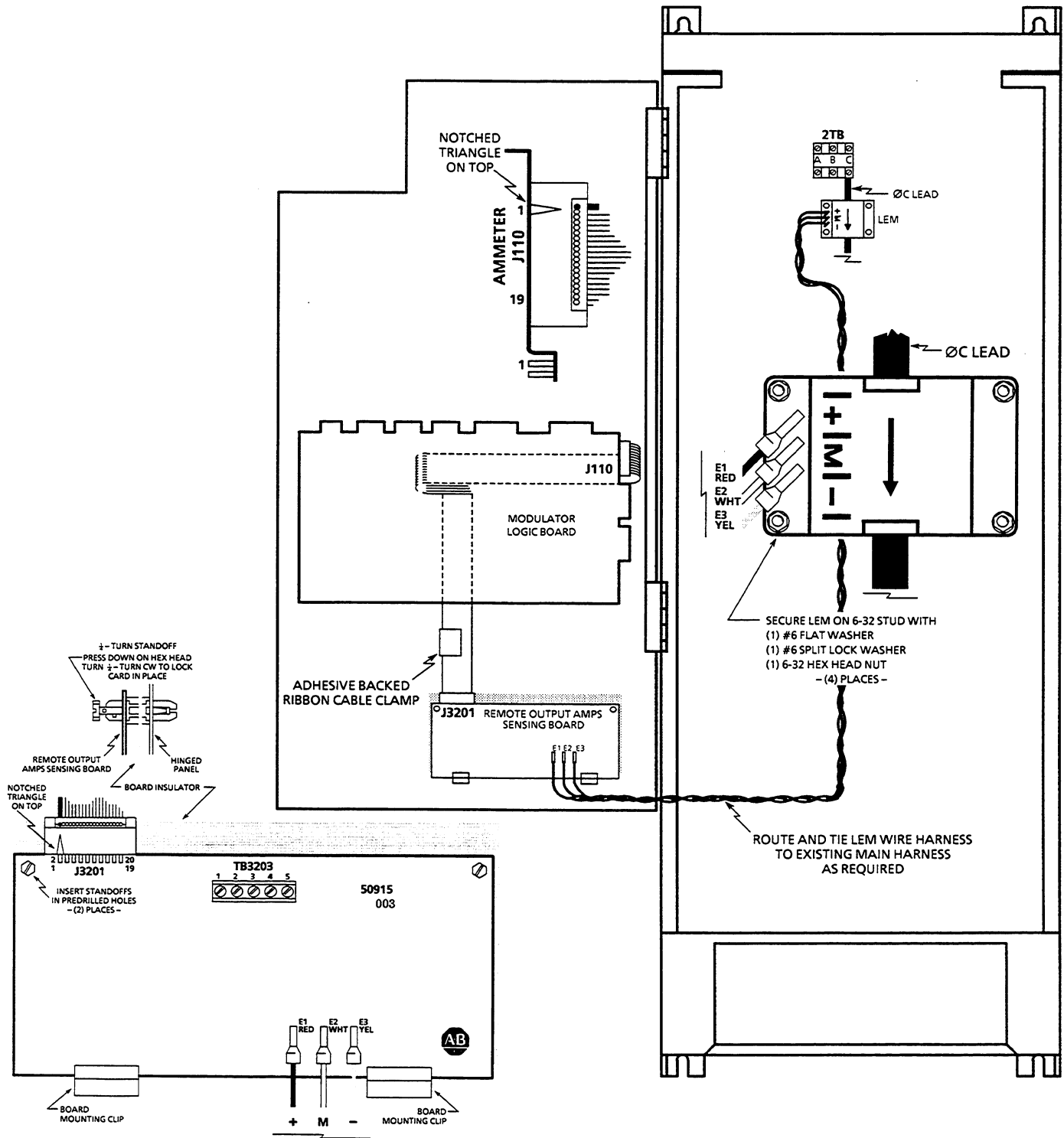


**Remote Output Amps Sensing Board & Cable Installation**  
 - Bulletin 1334 30, 40, & 50 HP 575V Drives -



**LEM Current Sensor & Cable Installation**

- Bulletin 1334 30, 40, & 50 HP 575V Drives -



**Remote Output Amps Sensing Board, LEM Current Sensor, & Cable Installation**

- Bulletin 1335 77 & 96 Amp Variable Torque Drives -



Drives Division  
Cedarburg, Wisconsin 53012-0005