



1334-MOD-A2

Remote Digital Ammeter — 1334 30-50 HP / 1335 56 & 69A Drives

Description The 1334-MOD-A2 is compatible with 1334 and 1335 Drives and provides a means of sensing and displaying the Drive output current at a location away from the Drive. The Remote Digital Ammeter Kit senses the Drive output current by placing a shunt in the OC output circuit of the Drive. The voltage signal across the shunt is applied to the Remote Output Amps Sensing Board. The board isolates and conditions the signal for the Remote Output Volts/Amps Display Board which converts the signal into a 3-digit display of amps. If a local display is required, the 1334-MOD-A Local Output Digital Ammeter Option Kit must be used.

Each 1334-MOD-A2 Option Kit Includes:

- (1) Display Board Bezel w/ Plastic Display Cover, P/N 201484
- (1) Display Board Mounting Bracket, P/N 122356
- (1) Remote Output Volts/Amps Display Board, P/N 50478
- (4) #6 Split Lock Washers, P/N 239453
- (2) 6-32 Hex Head Nuts, P/N 226262

- (6) $\frac{1}{4}$ " $\frac{1}{4}$ -Turn Standoffs, P/N 201104

- (1) Remote Output Amp Sensing Board, P/N 50477
- (2) Adhesive Backed Board Mounting Clips, P/N 158007-001
- (1) Output Amps Sensing Board Insulator, P/N 162037

- (1) Ribbon Cable Assembly — 5, 7 $\frac{1}{2}$ & 10 HP 1334 Series A Drives, P/N 41488
- (1) Ribbon Cable Assembly — 15-50 HP 1334 Drives & 22-69A 1335 Drives, P/N 41489
- (8) Adhesive Backed Ribbon Cable Clamps, P/N 200391
- (1) Ribbon Cable Caterpillar Grommet, P/N 120613

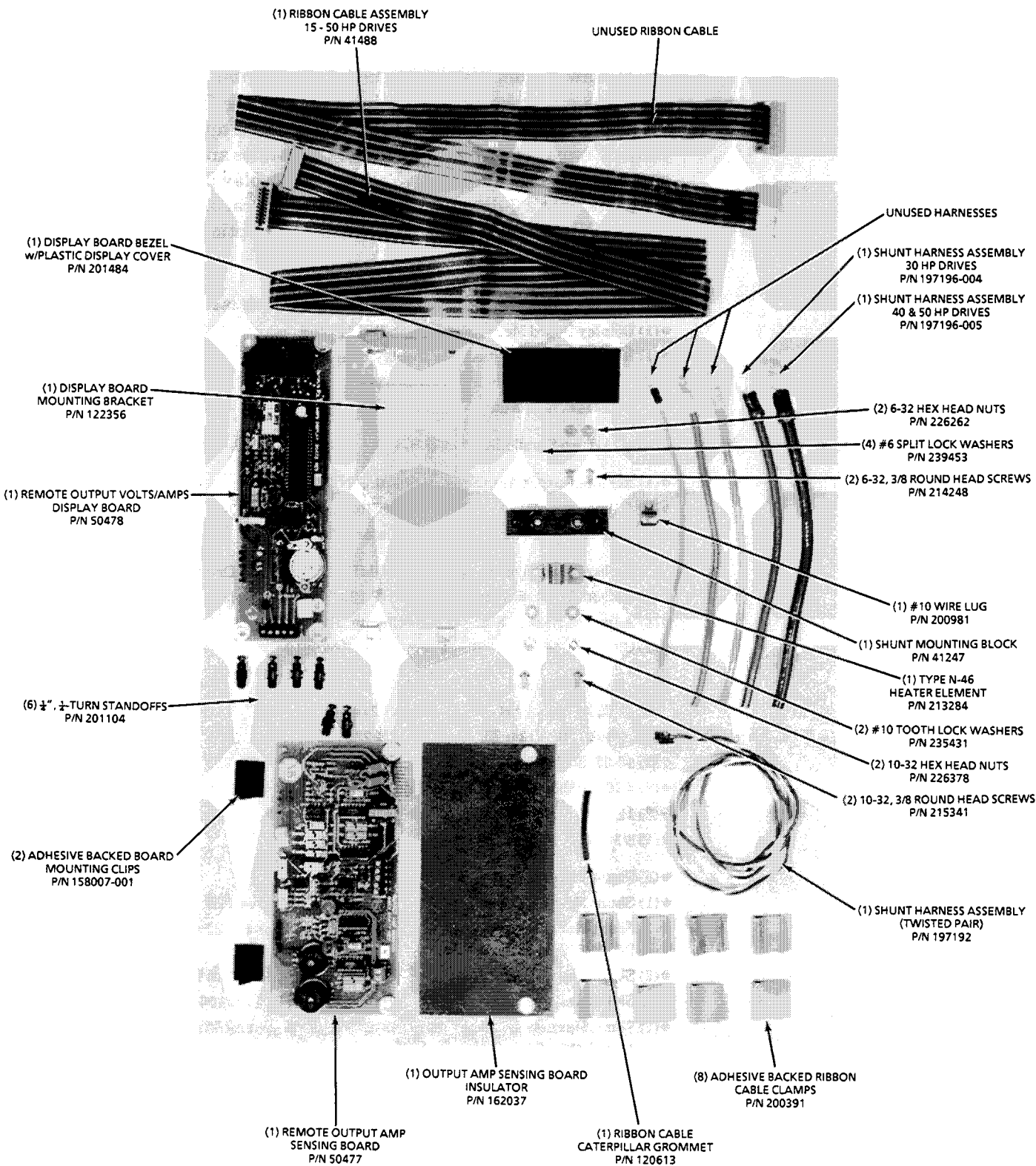
- (1) Shunt Mounting Block, P/N 41247
- (2) 6-32, 3/8" Round Head Screws, P/N 214248
- (1) Type N-46 Heater Element, P/N 213284
- (2) 10-32, 3/8" Round Head Screws, P/N 215341
- (2) #10 Tooth Lock Washers, P/N 235431
- (2) 10-32 Hex Head Nuts, P/N 226378
- (1) #10 Wire Lug, P/N 200981

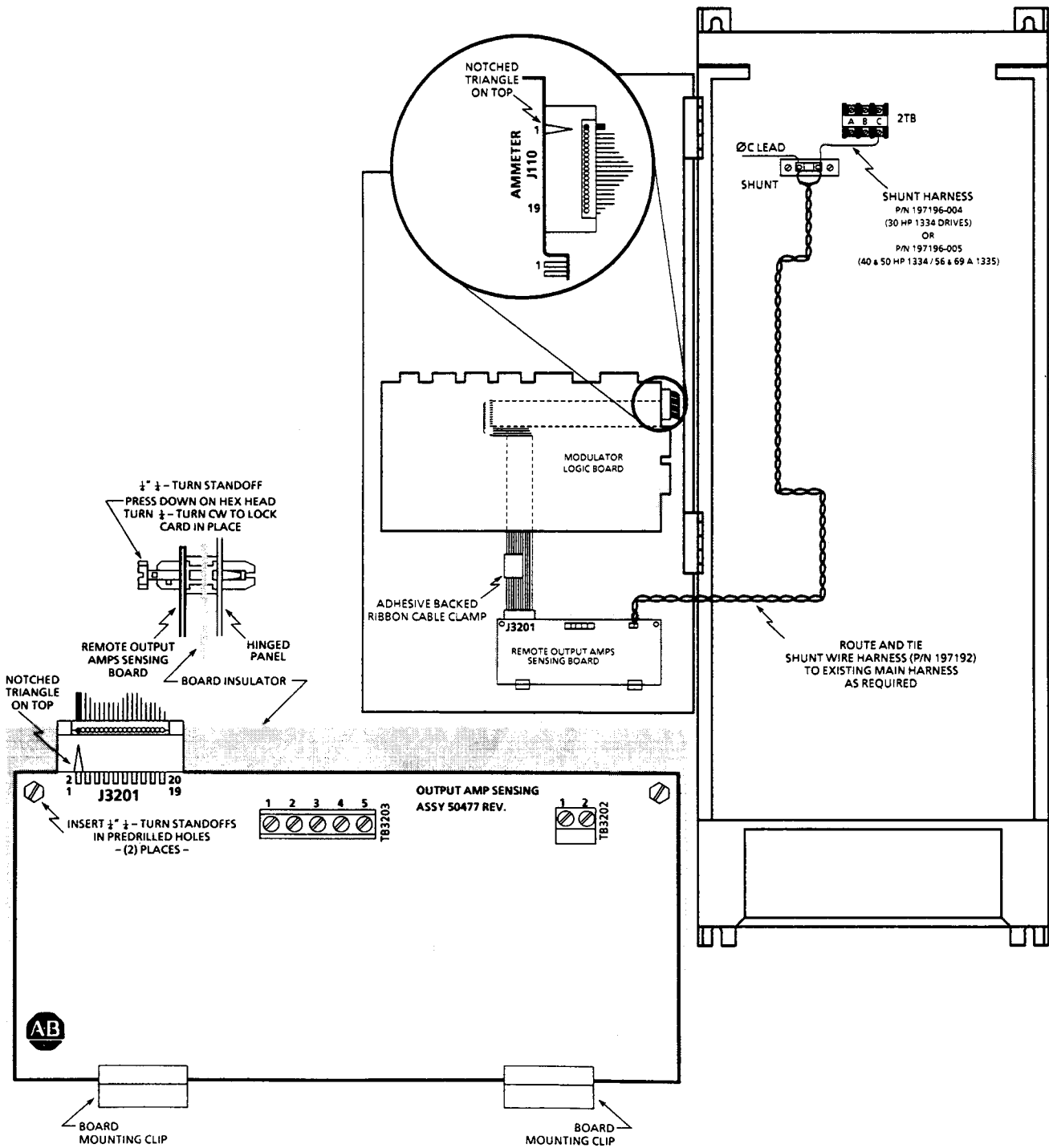
- (1) Shunt Harness Assembly (Twisted Pair), P/N 197192
- (1) Shunt Harness Assembly — 5, 7 $\frac{1}{2}$ & 10 HP 1334 Drives, P/N 197196-001
- (1) Shunt Harness Assembly — 15 & 20 HP 1334 Drives and 22 & 28A 1335 Drives, P/N 197196-002
- (1) Shunt Harness Assembly — 25 HP 1334 Drives & 36A 1335 Drives, P/N 197196-003
- (1) Shunt Harness Assembly — 30 HP 1334 Drives, P/N 197196-004
- (1) Shunt Harness Assembly — 40 & 50 HP 1334 Drives and 56 & 69A 1335 Drives, P/N 197196-005
- (1) Cable Tie, P/N 222747

When installed as directed, the Remote Output Volts/Amps Display Board will maintain a NEMA Type 1 enclosure rating. The enclosure rating of the Drive will not be affected by the Remote Output Amps Sensing Board.

Allen-Bradley PLCs

BULLETIN 1334-MOD-A2 — REQUIRED PARTS & ASSEMBLY LAYOUT — 1334 30-50 HP / 1335 56 & 69 A DRIVES





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.

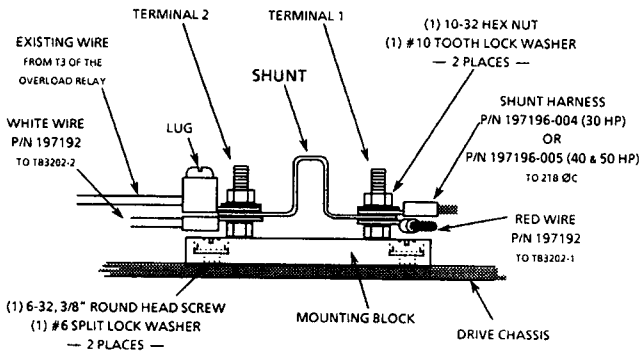
To guard against personal injury, always remove & lock out power to the Drive at the main supply disconnect and all other power source disconnects. Ensure that DS1 is not lit when boards or wires are being installed or connected. Refer to the instruction manual for your Drive for LED location.

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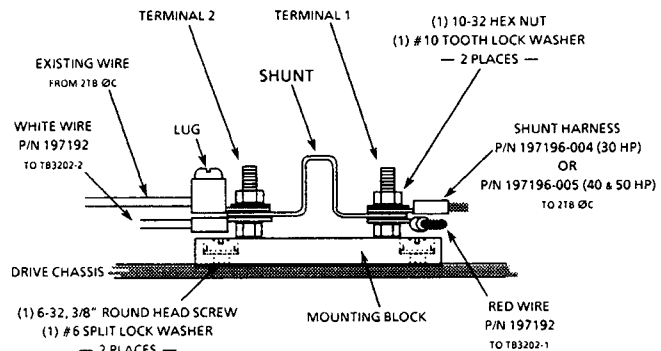
Installation
(continued)

REMOTE OUTPUT AMPS SENSING BOARD INSTALLATION

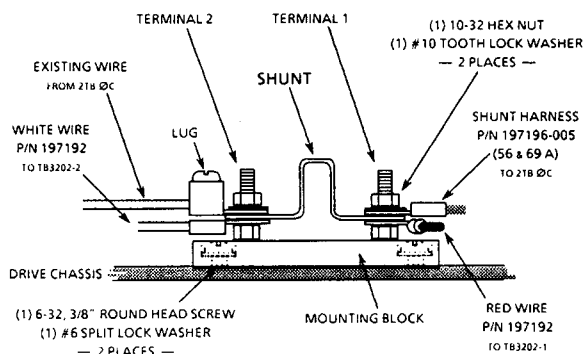
- STEP 1** Install (2) $\frac{1}{4}$ " $\frac{1}{4}$ -turn standoffs into the pre-drilled holes on the side panel of the Drive as shown.
- STEP 2** Slide the (2) adhesive backed board mounting clips onto the back edge of the Remote Output Amps Sensing Board. Peel the paper from the adhesive, place the board onto the standoffs, and press the board and clips firmly against the side panel to obtain adherence.
- STEP 3** Pull the Remote Output Amps Sensing Board away from the standoffs and out of the mounting clips, then place the board insulator over the standoffs between the board and the side panel. Push the board back onto the standoffs and secure as shown.



1334 DRIVES WITH OVERLOAD RELAY



1334 DRIVES WITHOUT OVERLOAD RELAY

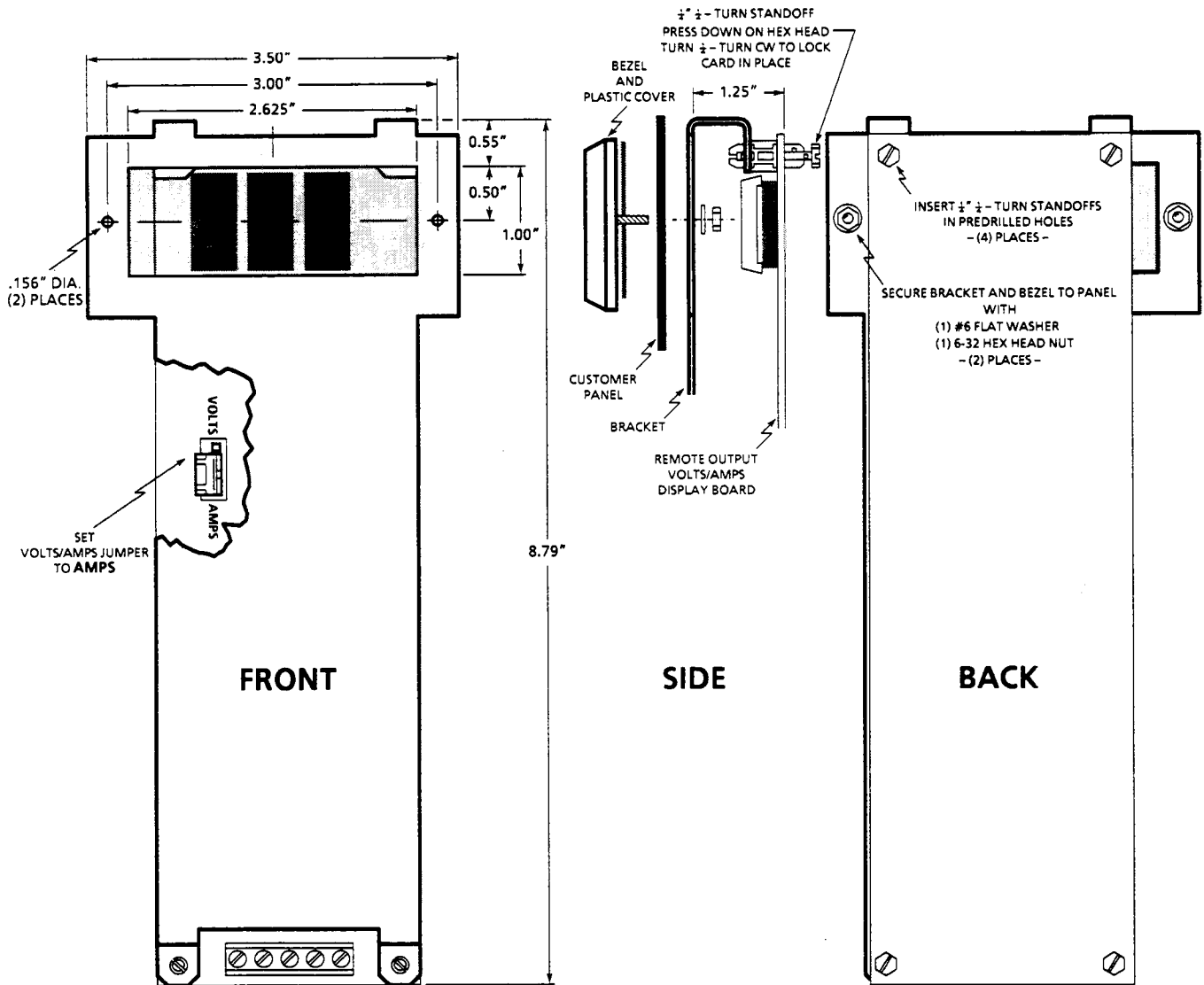


ALL 1335 DRIVES

SHUNT INSTALLATION AND WIRING

Note whether your Drive has an overload relay installed, then install and wire the shunt according to the corresponding drawing. Use the cable tie to tie the twisted pair wire harness to the Drive main wire harness.

For 1334 Drives if an overload relay has previously been installed, refer to 1334-MOD-T7 Kit Instructions (30 HP Drives), or 1334-MOD-T8 & T9 Kit Instructions (40 and 50 HP Drives) for additional information.



Installation
(continued)

**REMOTE OUTPUT VOLTS/AMPS DISPLAY BOARD,
BRACKET & BEZEL INSTALLATION**

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.

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

Installation

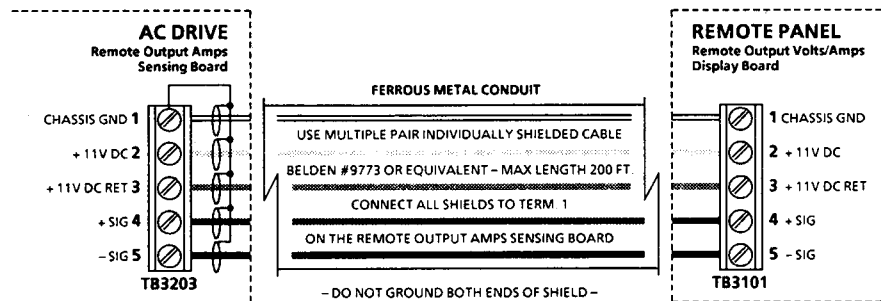
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RIBBON CABLE INSTALLATION

Route and connect the Ribbon Cable Assembly between Remote Output Amps Sensing Board connector J3201 and Modulator Logic Board connector J110. Ensure that the notched triangles on both ends of the ribbon cable are as shown on **page 3**. Install the adhesive backed ribbon cable clamps as required to secure the ribbon cable in place, then install the ribbon cable grommet to protect the ribbon cable against abrasion where it crosses the door edge.

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



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