



1334-MOD-A

Local Digital Ammeter — 5, 7½, & 10 HP 1334 Series A Drives

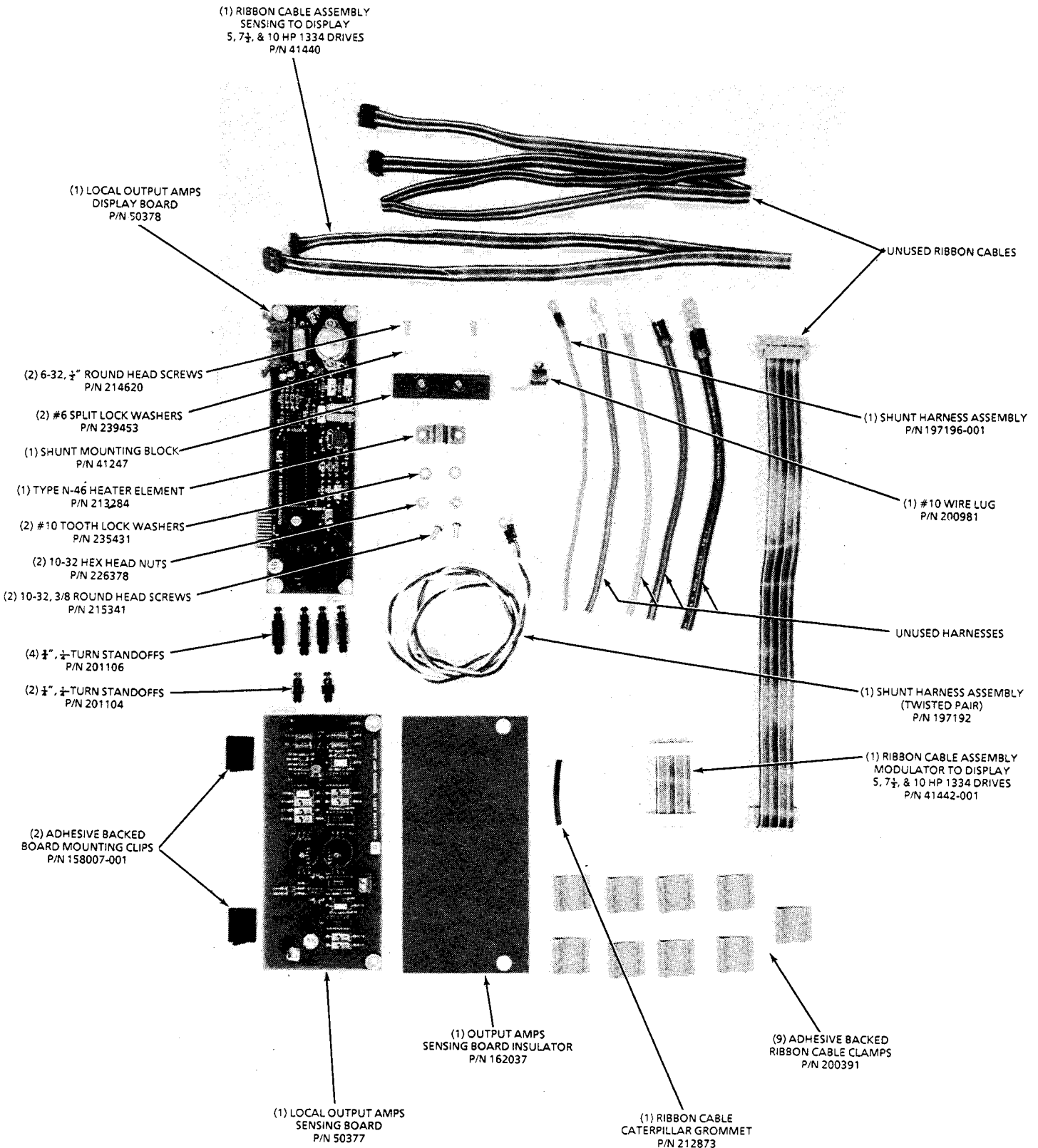
Description The 1334-MOD-A is compatible with 1334 and 1335 Drives and provides a means of sensing and displaying the Drive output current at the Drive Chassis. The Local Digital Ammeter Kit senses the Drive output current by placing a shunt in the CØ output circuit of the Drive. The voltage signal across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

Each 1334-MOD-A Option Kit Includes:

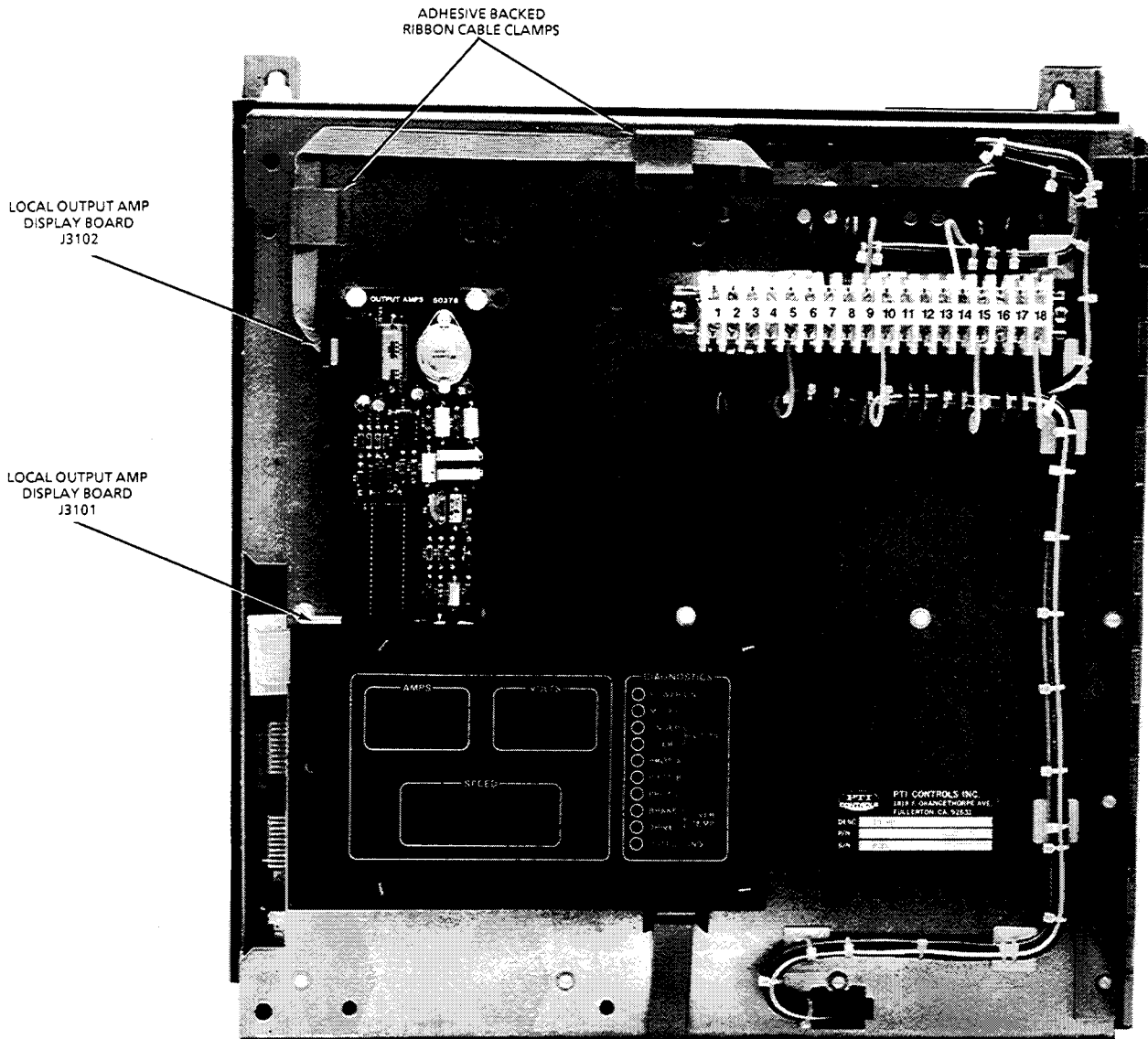
- (1) Local Output Amps Display Board, P/N 50378
- (4) ¼", ¼-Turn Standoffs, P/N 201106
- (1) Ribbon Cable Assembly, Sensing to Display — 5, 7½, & 10HP 1334 Series A Drives, P/N 41440
- (1) Ribbon Cable Assembly, Sensing to Display — 15 through 50HP 1334 Drives, and 22 through 69A 1335 Drives, P/N 41462
- (1) Ribbon Cable Assembly, Modulator to Display — 5, 7½, & 10HP 1334 Series A Drives, P/N 41442-001
- (1) Ribbon Cable Assembly, Modulator to Display — 15 through 50HP 1334 Drives, and 22 through 69A 1335 Drives, P/N 41442-003
- (9) Adhesive Backed Ribbon Cable Clamps, P/N 200391
- (1) Ribbon Cable Caterpillar Grommet, P/N 212873
- (1) Local Output Amp Sensing Board, P/N 50377
- (1) Output Amps Sensing Board Insulator, P/N 162037
- (2) ¼", ¼-Turn Standoffs, P/N 201104
- (2) Adhesive Backed Board Mounting Clips, P/N 158007-001
- (1) Shunt Mounting Block, P/N 41247
- (2) 6-32, ¼" Round Head Screws, P/N 214620
- (2) #6 Split Lock Washers, P/N 239453
- (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, 7½, & 10HP 1334 Drives, P/N 197196-001
- (1) Shunt Harness Assembly — 15 & 20HP 1334 Drives, and 22 & 28A 1335 Drives, P/N 197196-002
- (1) Shunt Harness Assembly — 25HP 1334 Drives, and 36A 1335 Drives, P/N 197196-003
- (1) Shunt Harness Assembly — 30HP 1334 Drives, P/N 197196-004
- (1) Shunt Harness Assembly — 40 & 50HP 1334 Drives, and 56 & 69A 1335 Drives, P/N 197196-005

Kit parts are designed to fit into existing mounting provisions on the Drive chassis without the need to modify the chassis. When installed properly, the MOD-A will not affect the Drive enclosure rating and will allow the amps display to be viewed through the display window.

BULLETIN 1334-MOD-A — REQUIRED PARTS AND ASSEMBLY LAYOUT
5, 7½, & 10 HP 1334 SERIES A DRIVES

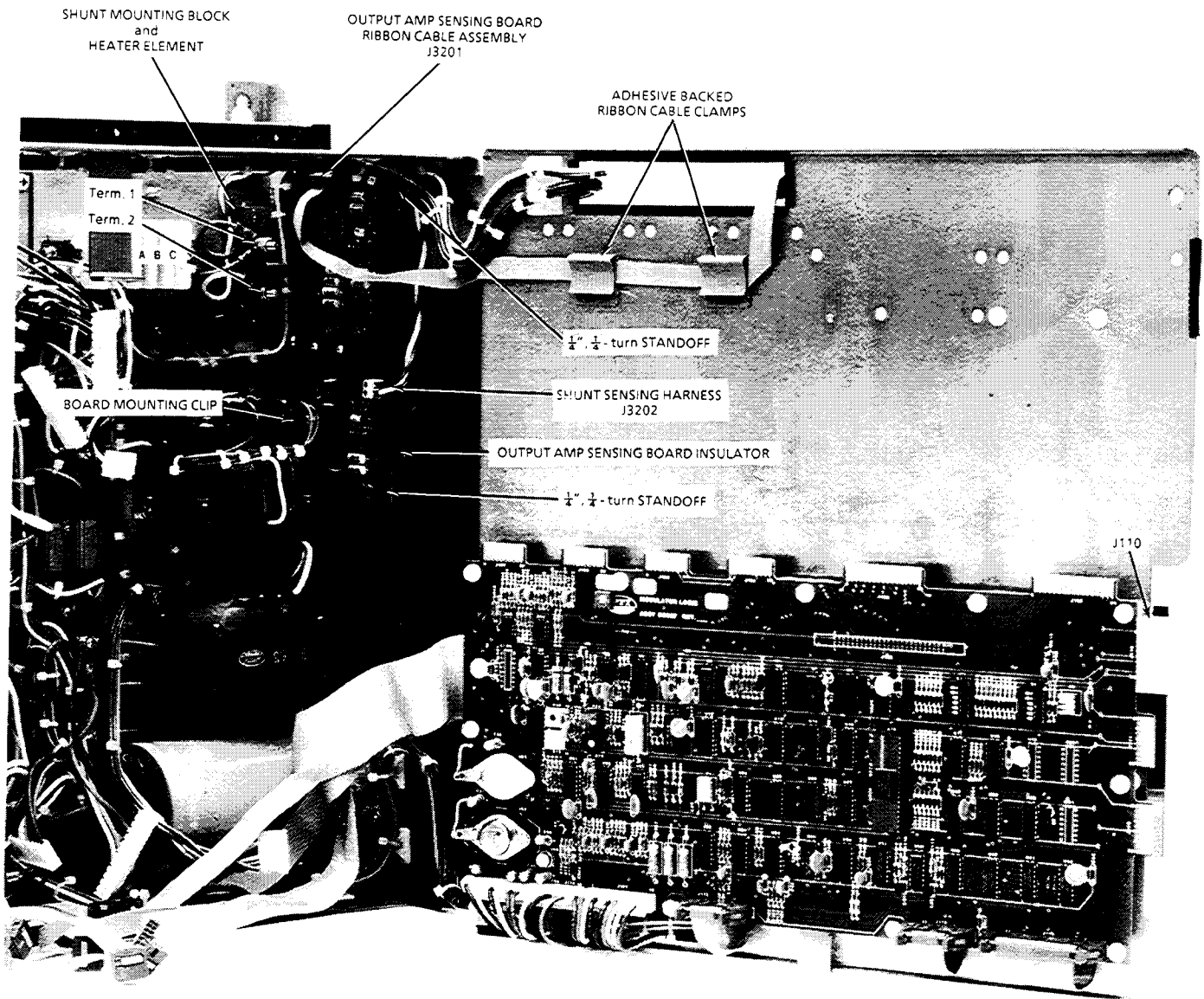
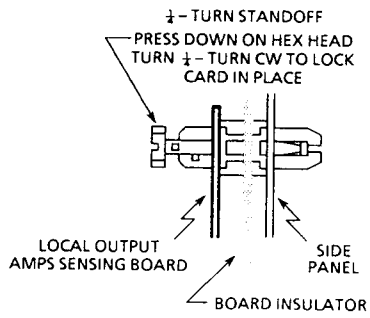


BULLETIN 1334-MOD-A INSTALLATION — 5, 7½, & 10 HP 1334 DRIVES



AB Spares

BULLETIN 1334-MOD-A INSTALLATION — 5, 7½, & 10 HP 1334 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.

LOCAL OUTPUT AMPS DISPLAY BOARD INSTALLATION

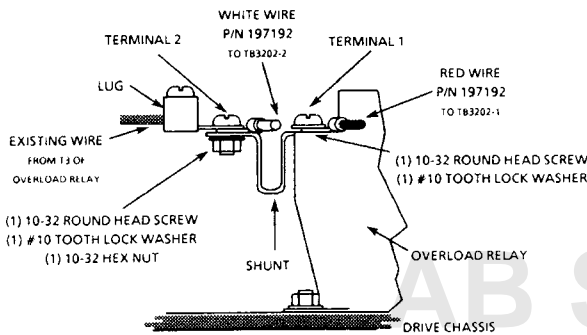
Remove the plastic display panel on the front of the hinged panel and install the (4) $\frac{3}{4}$ " $\frac{1}{4}$ -turn standoffs in the pre-drilled holes. Position the Local Output Amps Display Board onto the standoffs and secure as shown.

LOCAL OUTPUT AMPS SENSING BOARD INSTALLATION

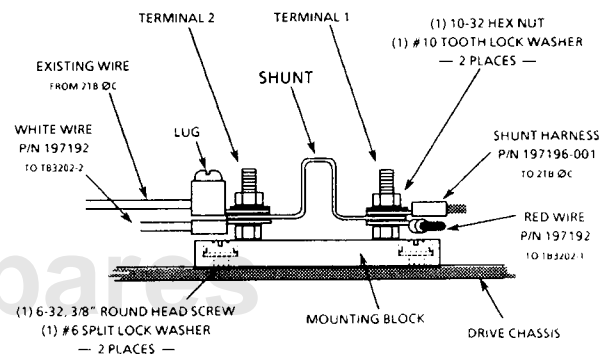
- Step 1** Install the (2) $\frac{1}{4}$ " $\frac{1}{4}$ -turn standoffs in the pre-drilled holes on the side panel as shown.
- Step 2** Slide the (2) adhesive-backed board mounting clips onto the back edge of the Local Output Amps Sensing Board. Peel the paper from the adhesive, place the board onto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

SHUNT INSTALLATION AND WIRING

Note whether your Drive has an overload relay installed, then install and wire the shunt according to the corresponding drawing below. Use the cable ties provided to tie the twisted pair wire harness to the Drive main wire harness as required. Refer to 1334-MOD-T1, T2, & T3 Kit Instructions for additional information.



WITH OVERLOAD RELAY



WITHOUT OVERLOAD RELAY

Installation

(continued)

CABLE INSTALLATION

- Step 1** Route and connect the Modulator to Display Ribbon Cable (P/N 41442-001) between Local Output Amps Display Board connector **J3101** and Modulator Logic Board connector **J110**. Ensure that the notched triangles on both ends of the ribbon cable are as shown.
- Step 2** Route and connect the Sensing to Display Ribbon Cable (P/N 41440) between Local Output Amps Sensing Board connector **J3201** and Local Output Amps Display Board connector **J3102**.
- Step 3** To protect the ribbon cables against abrasion where they cross the door edge, cut the ribbon cable grommet into two pieces, and install the pieces on the edge of the door where the ribbon cables cross. Install the adhesive backed ribbon cable clamps as required to secure the ribbon cables in place.

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