

## GTA Triac Assembly Installation Instructions

Part Number: 0110531990

### WARNING



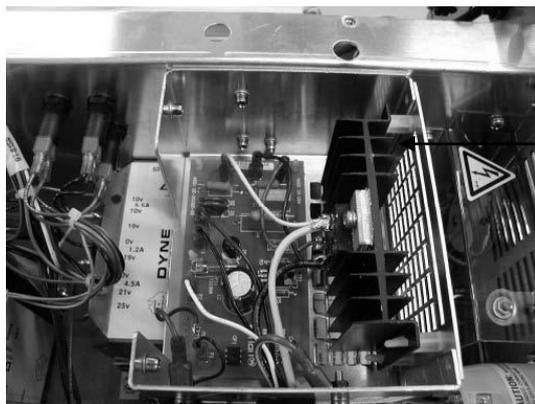
#### Electrical Shock Hazard

The heatsink in the triac assembly is at input line voltage. Avoid touching the heatsink or earthing it through test equipment during testing. Failure to observe this warning may result in serious injury or death and possible damage to the accessory.

To avoid electrical shock, disconnect the line voltage supply to the GTA accessory before servicing.

### CAUTION

Use of ESD (Electrostatic Discharge) safe techniques is required when handling electronic boards and components. Failure to observe this caution may result in damage to the accessory.



GTA triac assembly

Figure 1. GTA Triac assembly, part number 0110531990, with top cover removed

## Installation

#### To install the GTA triac assembly:

- 1 Remove the GTA accessory top cover.
- 2 Disconnect the wiring from the GTA control PCB.
- 3 Remove the control PCB together with the base that it is mounted on. (There is no need to separate the control PCB from the base on GTA 97/100).
- 4 Disconnect all wiring from the GTA triac assembly.



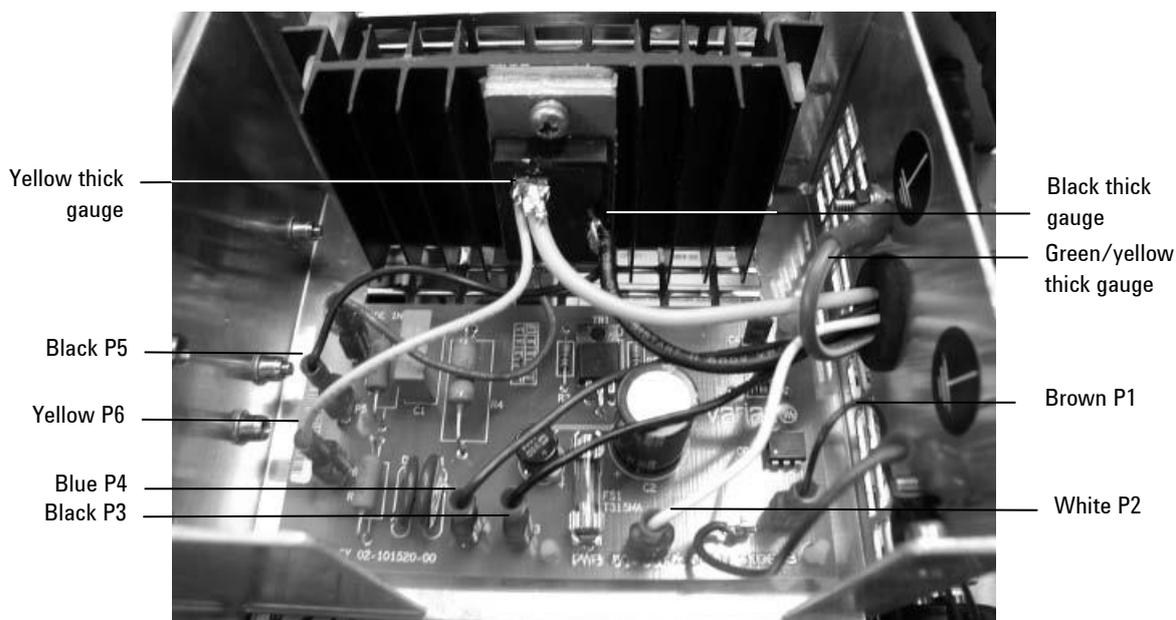
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- 5 Remove the two screws that secure the GTA triac assembly and remove.
- 6 Remove the cover from the new GTA triac assembly (part number 0110531990).
- 7 Mount the new GTA triac assembly to the centre plate using the two screws previously removed from the old GTA triac PCB.

### Connection

#### To connect the assembly:

- 1 Feed the light gauge brown wire through the smaller front rubber grommet and connect to P1 (see Figure 2).
- 2 Feed the remaining triac wiring through the larger rear rubber grommet and connect as shown in Figure 2.



**Figure 2.** Assembly connections

- 3 Cut the QC terminal from the thick black and thick yellow wires. Strip each wire back 20 mm.
- 4 Twist the black wire (from P5) with the thick black wire and solder to the triac middle terminal.
- 5 Twist the yellow wire (from P6) with the thick yellow wire and solder to the triac upper terminal.
- 6 Replace the GTA triac assembly cover and secure with two screws.
- 7 Re-assemble the GTA accessory by replacing and re-connecting the control PCB, then, replacing the top cover.
- 8 Reconnect the GTA accessory and run to confirm operation.

This information is subject to change without notice.



8510131800

Part Number: 8510131800

Edition 11/10

Issue 6

Printed in Australia

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1999, 2002 and 2010

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