

Installation Instructions

AC Backlight Power Supply Retrofit Kits For Highline™ And The Advantage™ Series

Purpose of This Document

This manual provides information to install LCD AC Backlight Power Supply Retrofit Kits:

- K94126 on The Advantage™ units
- K94130 and K94131 on Highline™ units

This kit converts backlight power from DC to AC for units equipped with the T17418 DC Backlight Regulator Board. It also replaces the T17772-G1, -G2 and -G3 backlight power supplies.



Read NFPA 30A and NFPA 70

Before installing the equipment, the installer must read, understand and follow this manual, NFPA 30A (The U.S. Automotive and Marine Service Station Code) and NFPA 70 (The U.S. National Electric Code) and applicable federal, state and local codes and regulations. Failure to do so may adversely affect the safe use and operation of the equipment.

For safe and proper equipment installation, Gilbarco recommends that only trained Gilbarco Authorized Service Contractors (ASCs) install this equipment.

Recommended Tools and Equipment

- 3/16" Allen hex wrench
- Slotted and Phillips Head Screwdrivers
- Wire Cutters

Parts Lists

Kit K94126

| Item | Qty. | Part Number | Description |
|------|------|-------------|--|
| 1 | 1 | R15634-G101 | Brown Wire/Terminal Jumper Assembly |
| 2 | 1 | R15634-G102 | Green/Yellow Wire/Terminal Jumper Assembly |
| 3 | 1 | T17772-G4 | AC Backlight Power Supply Assembly |
| 4 | 4 | K85736-15 | Self-Threading Screws |
| 5 | 1 | R20101-G1 | AC Adaptor Cable |
| 6 | 2 | K44293 | Wire Nuts |

Installation

Parts Lists continued Kit K94130

| Item | Qty. | Part Number | Description |
|------|------|-------------|--|
| 1 | 1 | R15634-G101 | Brown Wire/Terminal Jumper Assembly |
| 2 | 1 | R15634-G102 | Green/Yellow Wire/Terminal Jumper Assembly |
| 3 | 1 | T17772-G5 | AC Backlight Power Supply Assembly |
| 4 | 4 | K85736-15 | Self-Threading Screws |
| 5 | 1 | R20101-G1 | AC Adaptor Cable |
| 6 | 2 | K44293 | Wire Nuts |

Kit K94131

| Item | Qty. | Part Number | Description |
|------|------|-------------|--|
| 1 | 1 | R15634-G101 | Brown Wire/Terminal Jumper Assembly |
| 2 | 1 | R15634-G102 | Green/Yellow Wire/Terminal Jumper Assembly |
| 3 | 1 | T17772-G6 | AC Backlight Power Supply Assembly |
| 4 | 4 | K85736-15 | Self-Threading Screws |
| 5 | 1 | R20101-G1 | AC Adaptor Cable |
| 6 | 2 | K44293 | Wire Nuts |

Safety



Alert Symbol

This is a standard alert symbol. When you see this symbol, with the following signal words, be alert to the potential for personal injury.

Signal Words

These signal words alert you to important safety hazards.

| |
|---|
|  DANGER |
| The hazard or unsafe practice will result in severe injury or death. |

| |
|--|
|  WARNING |
| The hazard or unsafe practice could result in severe injury or death. |

| |
|--|
|  CAUTION |
| The hazard or unsafe practice could result in minor injury . |

Installation Instructions



1. Read all instructions before beginning.



2. Follow all safety precautions.



- Do not allow vehicles or unauthorized people in work area.



- Do not smoke or have open flames in work area.



- Do not use electric power tools in work area.

3. Record all electronic and mechanical totals. Isolate unit at distribution box.



4. Turn off all power to unit including unit lights. Turn off associated STP power. Turn off power to all pumps/dispensers on same isolation relay if used. Use system circuit breakers. Multiple disconnects may be required.

5. Open main access doors.

- Loosen retaining screws at bottom of main access doors using a 3/16" Allen hex wrench.
- Unlock four draw latches located behind the right and left option doors.
- Open main access door to a maximum 90° angle. Lock in place.

6. Install the new AC Backlight Power Supply Assembly between the main power supply and the card cage as shown in Fig. 1. Secure assembly using four screws.

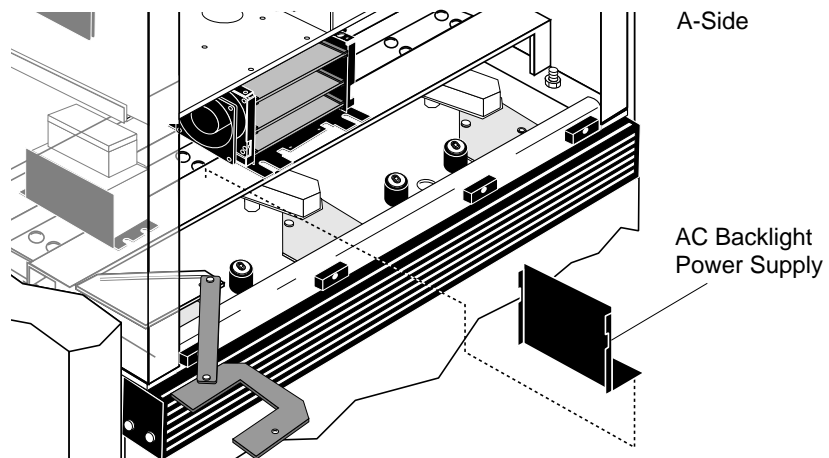


Figure 1

Installation Instructions continued

7. Install new wire/terminal jumper assemblies:
 - Connect terminal end of brown jumper to Pin 6 of J601 of the main harness.
 - Connect terminal end of green/yellow jumper to Pin 9 of J601 of the main harness.
 - Connect wire end of brown jumper to brown wire from the transformer using a wire nut.

 - Connect wire end of green/yellow jumper to green/yellow wire from the transformer using a wire nut.
8. Connect P302 of AC Adaptor Cable to J302 on main transformer.
9. Disconnect J302A and J302B from the DC Backlight Regulator Board in the unit card cage, or from the T17772-G1, -G2 or -G3 AC Backlight Power Supply. Remove DC Backlight Regulator Board from card cage or AC Backlight Power Supply and discard it.
10. Connect P302A and P302B of AC Adaptor Cable to J302A and J302B respectively.
11. Close doors.
12. Restore power to unit. Check for proper operation.