



**BALLAST/BULB TO LED
FIELD CONVERSION GUIDE**
(FOR FT5000 X-SCALE LIGHT PANEL)

VERSION 1.0
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IMPORTANT NOTICE

Triton Systems has discontinued offering a ballast/bulb (AC-powered) light assembly for topper signage (mid/high) and light panels. This affects models 8100, 9100, 97XX, RL5000 (X-Scale/XP), and FT5000 (X-Scale) units. LED-lit (DC-powered) light assemblies will be the replacement option.

Note: Limited ballast/bulb parts may be available for field replaceable parts and repair until current inventory is depleted.

INTRODUCTION

This guide covers the steps for removal of the ballast/florescent bulb assembly and installation of the LED light bar assembly and cable connectivity. These procedures include a list of tools and hardware required for the replacement as well as the steps involved.

**** Attention ****

Flourescent bulb contains mercury. Dispose of according to local, state, or federal laws. For more information (US), go to www.lamprecycle.org.

BALLAST/BULB TO LED CONVERSION (FT5000)

SCOPE

This procedure applies to all service personnel involved in the process of maintaining or converting Triton ATMs.

REQUIRED PARTS AND TOOLS

TOOLS REQUIRED		
#2 Phillips Screwdriver (Magnetic) 11/32" (9mm) Box/Spanner Wrench (Magnetic) Diagonal Cutters		
FT5000 (X-SCALE) LED INSTALLATION KIT (P/N 06200-00163)		
PARTS SUPPLIED		
PART NUMBER	DESCRIPTION	QUANTITY
09100-00188	Light Bar Module, LED	1
03011-00789	Bracket, LED Light Bar	1
09120-00332	Power Cable, LED Light Bar	1
02054-00169	Screw, #8-32 x 3/8"	4
02301-00024	Nut, #8	4
03072-00015	Ty Wrap	4
* 09120-00826	Cable, Power Splitter	1
05200-00150	LED Installation CD (Includes 07100-00066 LED Installation manual)	1
* Note: Required if both a motorized card reader and Rear Service Panel are used.		



BALLAST/BULB LIGHT PANEL



LED LIGHT PANEL

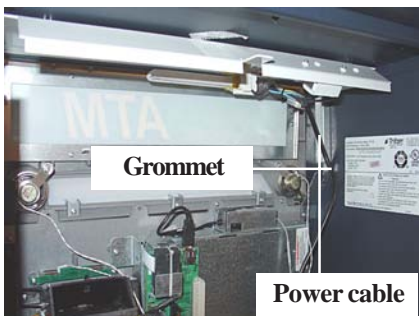
FT5000 LIGHT PANEL LED CONVERSION PROCEDURE

*Note: These procedures are completed with the terminal AC power OFF. If terminal is ON, enter **MANAGEMENT FUNCTIONS > SYSTEM PARAMETERS > SHUT DOWN THE TERMINAL**. When prompted, turn power **OFF** on the units power supply.*



REMOVING BALLAST/BULB LIGHT PANEL:

1. Unlock and open the cabinet sleeve door. Grasp handle on printer assembly, lift up, and pivot assembly down. This will allow better access to light panel removal.
2. Lift the light panel until it latches on top. Using diagonal cutters, cut any ty-wraps that secure the light assemblies power cord back to the power supply. **Caution: DO NOT cut the speaker wires!**
3. Disconnect the AC power cord from the power supply. If there is a grommet securing the power cord/speaker wires in place, remove grommet and separate the power cord.
4. Remove the light panel assembly from the unit. This will be replaced with the LED light bar assembly.



BALLAST/BULB TO LED CONVERSION (FT5000)



ASSEMBLE LED LIGHT BAR/BRACKET/CABLE:

1. Mount the LED light bar (P/N 09100-00188) to the bracket (P/N 03011-00789) as shown in figure below. Secure with the three (3) screws/nuts provided using a phillips screwdriver and box wrench.

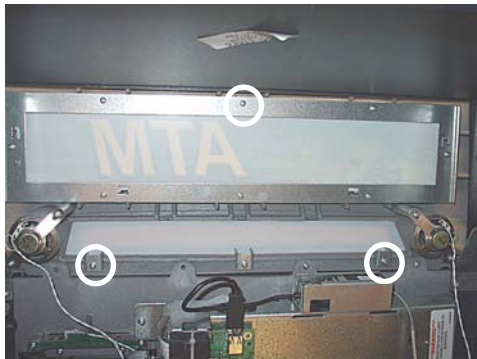


2. Plug the 2-pin connector end of the LED power cable (P/N 09120-00332) to J5 on the LED light bar module as shown below.



INSTALL LED LIGHT PANEL ASSEMBLY:

1. Using a phillips screwdriver (magnetic recommended), remove the three (3) screws shown and set aside. *Note: The two (2) lower screws also secure small brackets. These brackets **will not** be required for the new LED light panel.*



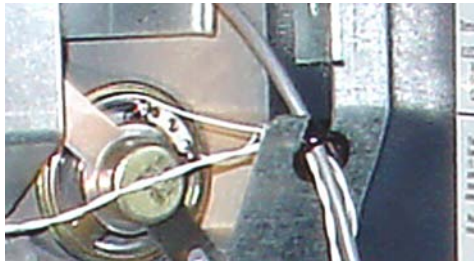
BALLAST/BULB TO LED CONVERSION (FT5000)

2. Install the LED light panel assembly as shown below with the three (3) screws removed from the previous step.

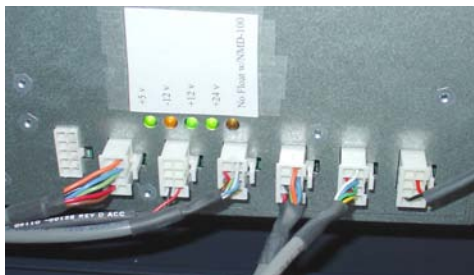


CABLE ROUTING AND CONNECTIVITY:

1. Route the LED power cable (and speaker wires) through the slot shown below. If a grommet was previously in place, route cables through the grommet and insert grommet in the slot.



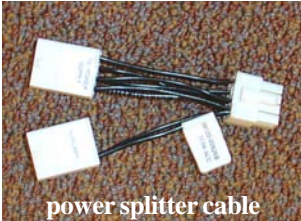
2. Connect the 8-pin molex connector of the LED power cable to any unused connector of the power supply. **Note:** The largest connector (10-pin) of the power supply is reserved. **DO NOT** connect the LED power cable here!



BALLAST/BULB TO LED CONVERSION (FT5000)

Units that have power supplies where all 8-pin connectors are in use:

Remove one (1) of the cables (preferably any that has two (2) wires connected) from the power supply. Using the power splitter cable included (P/N 09120-00826), connect the LED power cable to one side and the recently removed cable to the other. Plug the female end of the splitter to an **8-pin** molex connector on the power supply.



3. Using the ty-wraps provided, secure the LED power cable with the other bundled cables.
4. Rotate the printer assembly up to the operate position. Turn the power supply switch to the ON position.

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