Midtopper Field Installation Guide
Direct Lighting (DC-Powered)

Model 81XX/91XX (including X2)/97XX/RL16XX RL23XX/RL5XXX (XS/X2/XP) Cabinets

VERSION 5.0
TDN 07102-00043E 02/2009

81XX

91XX/RL23XX

97XX/RL5XXX

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IMPORTANT NOTICE

Triton Systems has discontinued offering a ballast/bulb (AC-powered) for all lighted toppers. The Direct Lighting (DC-powered) Midtopper is a direct replacement for both the ballast/bulb (AC-powered) *and* LED Light Panel (DC-powered) versions. The Direct Lighting (DC-powered) Midtopper will be the **only** available option.

The Direct Lighting (DC-powered) Midtopper is considered a complete assembly with no serviceable parts. Any current model 91XX field installations that still use the original hard-wired single power supply will require the power extension cable (included in the kit).

The Direct Lighting Midtopper can be identified by the raised back panel, versus the flat back panel indicative of the AC ballast/bulb and the DC LED Light Panel versions.

This manual will show the physical installation of the topper as well as the individual DC power connection.

NOTE

Although the initial figures in this procedure depict a 91XX cabinet (with a vertically mounted dual power supply), the installation instructions are applicable to 81XX, 97XX, RL16XX, RL23XX, and RL5XXX (XS/X2/XP) cabinets as well. The actual physical case characteristics and mounting position of the DC power supply will vary by model type. Any significant differences will be noted in the DC Connections section as applicable.

97XX Units!

Model 81XX, 91XX (including X2), RL16XX, RL23XX, RL5XXX (XS/X2/XP) and most **97XX** cabinets have topper mounting and access holes in the top of the cabinet, consisting of four (4) small mounting holes and one large access hole for internally routing the topper power cable.

Some early-model **97XX ATM** cabinets do not possess a topper power cable access hole; some cabinets have neither power cable access or mounting holes: It is possible to cut holes in the cabinet to allow power cable access and/or topper mounting, *but such actions are to be undertaken at your own risk! Triton Systems will accept no liability for damage that may occur to the ATM and/or topper assembly in such cases.*

MIDTOPPER INSTALLATION PROCEDURE

These procedures are completed with the terminal AC power OFF.

1. Remove the topper assembly from the shipping container.
2. Locate and remove the dome plugs (if applicable) to uncover the topper power cable access and mounting holes on the top of the ATM cabinet,
3. Unlock and open the ATM control panel.
4. Feed the topper DC power cord through the large access hole in the cabinet. With the topper mounting studs inserted into the four (4) corresponding holes, place the assembly on top of the cabinet.

Note: Because of the slotted configuration of the mounting holes, there will be some play (front-to-back) in the position of the topper assembly. Allow the assembly to slide back until it stops.

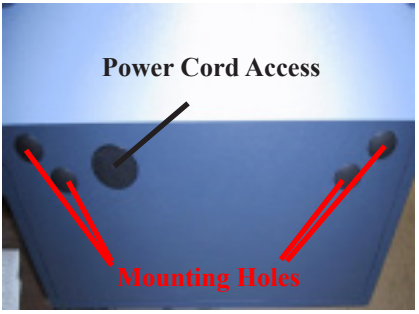


Figure 1. Location of topper access and mounting holes.

Figure 2. Feed topper power cable through cabinet access hole.

5. To secure the topper assembly to the cabinet, place and tighten #8-32 nuts on the four (4) mounting studs with a 3/8" nut driver. Plug the topper power cable into any available 8-pin connector on the DC power supply.

Figure 3. Place nuts on topper mounting studs and tighten down.

Figure 4. Connect the topper power cable to the DC power supply.

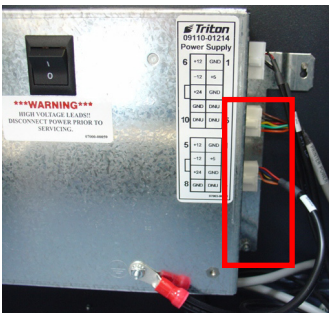
DC CONNECTIONS

Refer to the following notes and figures (as applicable to the model type of the terminal). Plug the DC power cord from the topper (In most cases, an 8-pin molex connector) into any available 8-pin* DC output connector on the power supply.

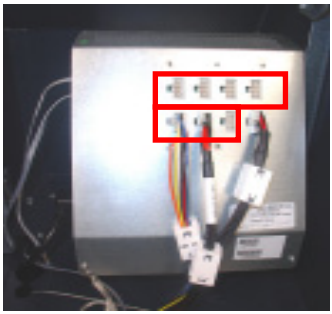
* A 10-pin DC output connector on a power supply is reserved for the dispenser.

[1]***Note:*** All model 91XX (except units using the original hard-wired single supply in some TDM or MiniMech configurations), RL23XX, and RL5XXX configurations use a single or dual power supply with the same physical case characteristics and DC connector layout. The DC power supply itself will be mounted in different locations within the top enclosure of the cabinet, depending on the model type.

Model 8100 DC power supply



Model RL16XX DC power supply



Model 97XX DC power supply

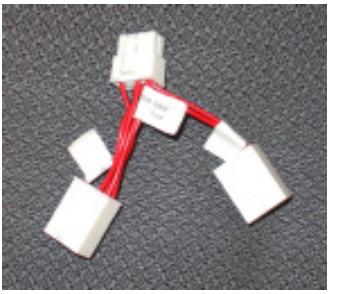
DC power supply used in some model 91XX, and all RL23XX/RL5XXX terminals (see [1]***Note*** above)

[2]***Note:*** *Refer to the following page.* A Model *91XX with a TDM or MiniMech dispenser and the original hard-wired single power supply will a require a power extension cable (splitter).*

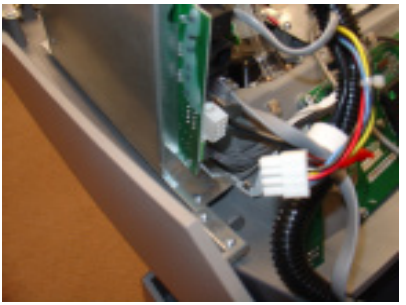
Model 91XX w/TDM or Minimech and a hard-wired single power supply:

Locate the *power extension cable (splitter)* included in the kit. The cable connectors are marked. Disconnect the mainboard power input and connect it to one leg of the extension cable. Refer to the *power extension cable* (splitter) configuration diagram below. Connect the midtopper DC power cable to the other leg. Reconnect this power cable assembly back to the mainboard.

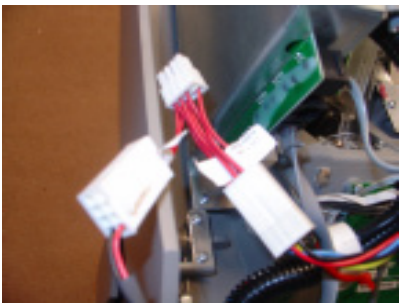
Model 91XX hard-wired single power supply



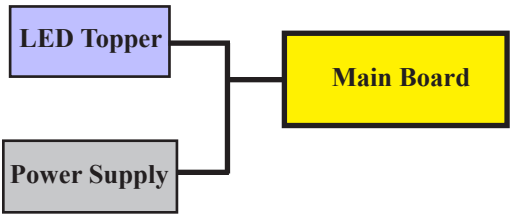
Power extension cable (splitter).



Mainboard power disconnected.



Power extension cable with topper and mainboard power cables connected.



Power extension cable (splitter) configuration.

6. Turn the power supply to ON (I). The topper sign should light up. Close and lock the control panel.