



# Harsco Track Technologies

Harsco

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## SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

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**DATE:** 12-12-2002 **BULLETIN NO:** 02-032

**TITLE:** MODULE PANEL POWER SUPPLY

**RATING:**

<input type="checkbox"/>	<b>DIRECTIVE</b> (Action Is Required)	<input type="checkbox"/>	<b>ALERT</b> (Potential Problem)
<input checked="" type="checkbox"/>	<b>INFORMATION</b> (Action Is Optional)	<input type="checkbox"/>	<b>PRODUCT IMPROVEMENT</b> (Enhance Product)

**PRODUCT SERIES / MODEL:** 6700 and 6700S Tampers

**SERIAL NO:** All Models

**SUMMARY:** The frequency of intermittent problems with the Module Panel power supply assembly has increased recently. When failed power supplies have been sent in for repair, many of them have tested OK. The power supply has now been modified by an improved assembly technique to help reduce the potential for intermittent failure caused by vibration.

**OPERATIONAL IMPACT:** To help minimize power supply failure caused by vibration.

**ACTION:** See the illustrations in this Service Bulletin to identify the differences between the old and new power supplies.

See the information in this Service Bulletin to sent in any power supplies for repair and/or return.

Replace old power supplies with new power supplies as required:

- Old Power Supply #231646-1 is replaced by New Power Supply #2005988
- Old Power Supply #231991-1 is replaced by New Power Supply #2005987

**CONTACT:** If you have any questions or if we can be of any service, please contact Eugene Russell or Joe Lokovich at the Ludington, MI. facility, (231) 843-3431.

## POWER SUPPLY IDENTIFICATION

1. See Figure 1. On the old power supplies (#231646-1 and #231991-1), the printed circuit board mounts inside of the bracket.
2. See Figure 2. On the new power supplies (#2005988 and #2005987), the printed circuit board is mounted on the top of the bracket. This allows the bracket to flex without stressing the printed circuit board. The sockets on the printed circuit board into which the power supply is mounted have also been changed to an open end style instead of a closed end style to prevent vibration between the bottom of the socket and the end of the power supply pin, which could travel up the pin and stress the connection inside of the power supply.

FIGURE 1  
OLD POWER SUPPLY ASSEMBLY

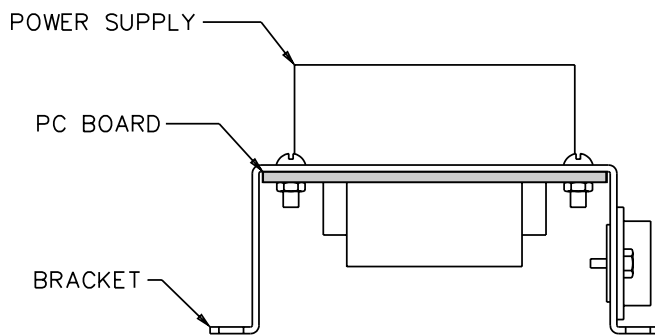
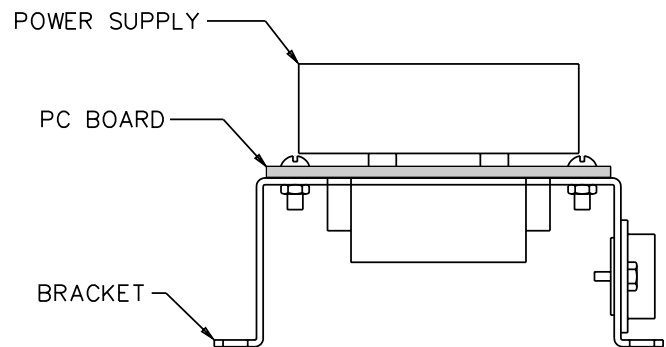


FIGURE 2  
NEW POWER SUPPLY ASSEMBLY



## POWER SUPPLY REPLACEMENT, REPAIR AND/OR RETURN

3. Replace old power supplies with new power supplies as required:  
 Old Power Supply #231646-1 is replaced by New Power Supply #2005988  
 Old Power Supply #231991-1 is replaced by New Power Supply #2005987
4. Any failed power supply sent in for repair or replacement will be modified to the new configuration. This involves replacing the sockets on the printed circuit board and remounting the printed circuit board on the top of the bracket.
5. **Note:** It is important that the whole power supply assembly be sent in, not just the power supply (brick) itself. The pin length of the power supply on the new assemblies is longer and will bottom out on the old sockets. The power supply assembly will be returned with a new set of prints for the Parts Manual.

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