



Harsco Track Technologies

Harsco

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SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 12-9-2002 **BULLETIN NO:** 02-028

TITLE: RECOMMENDED RADIO INSTALLATION

RATING:

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

PRODUCT SERIES / MODEL: 6700S Tampers

SERIAL NO: All Models

SUMMARY: Improperly installed radios can have an adverse effect on the normal operation of the equipment. The following guidelines are provided to help minimize the effect of interference produced by a radio installed in the cab.

OPERATIONAL IMPACT: To minimize interference problems with a radio installed in the cab.

ACTION: The following General Recommendations should always be followed when installing or using a radio in the cab:

- The antenna mounting should not be above the overhead compartment.
- The antenna wiring should not be routed in close proximity to any of the machine control wiring.
- The radio power wiring should be routed as far away from the machine control wiring as possible.
- The operator should always **UN-CLAMP** before using the radio to ensure no disruption occurs to the lifting or lining of the track.

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

SAFETY INFORMATION

- **FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM MACHINE. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.**

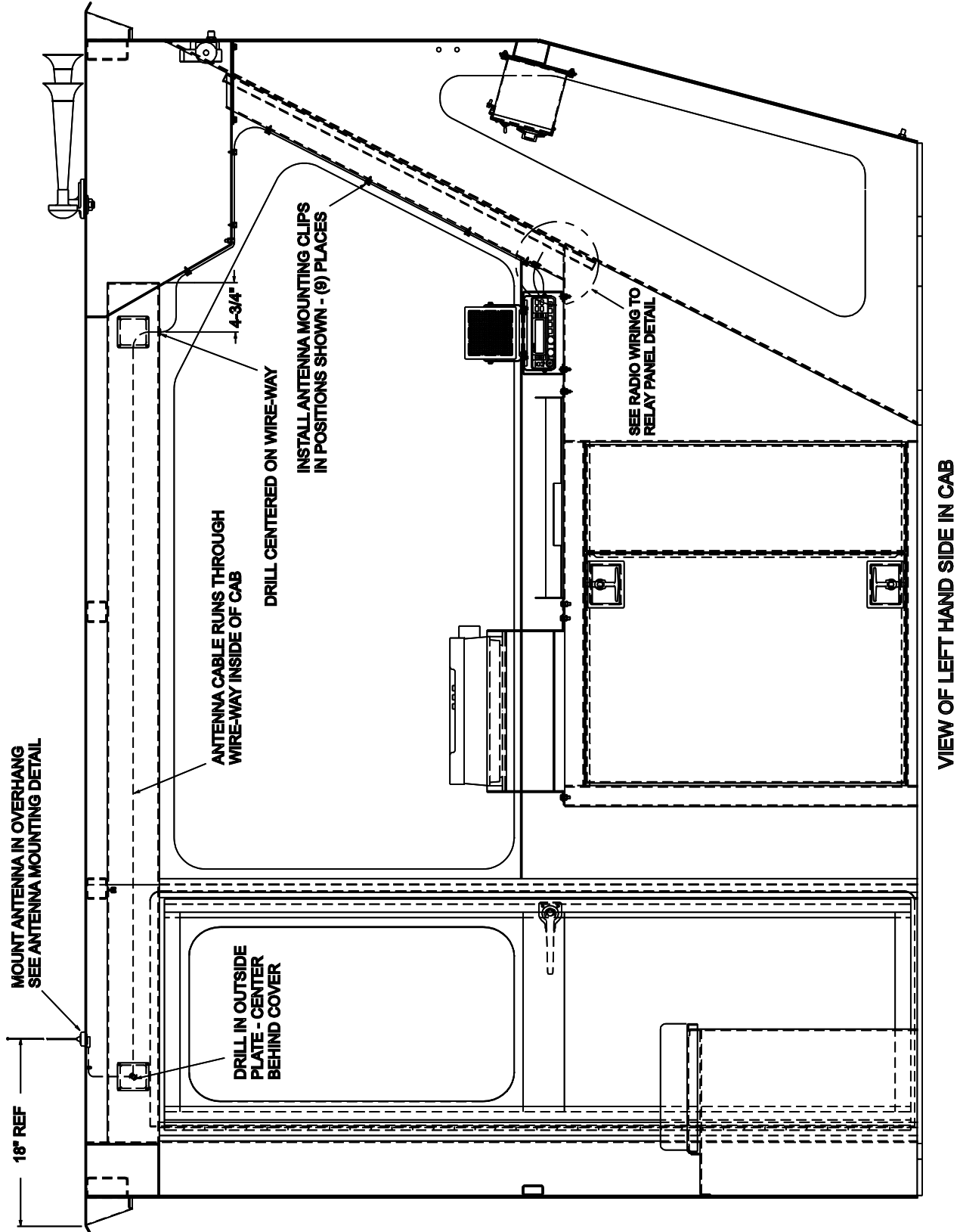
RADIO AND ANTENNA INSTALLATION GUIDELINES

- See Figure 1, Figure 2, Figure 3, Figure 4, Figure 5 and Figure 6

1. The included illustrations show the recommended locations of the various components of a radio and antenna installation. These illustrations are consistent with the original prints furnished in the Parts Manual of machines shipped with the Radio Option installed.
2. Note that the radio antenna cable is routed up the front side of the left hand window, into a channel running back to the left hand door, where it exits out of the cab to the antenna mount on the cab roof at the rear of the machine. The antenna cable never enters an area which contains machine control wiring.
3. The radio power wires enter an access hole in the sloped channel on the left side of the machine, come across the front of the overhead by the hinge area and down the right side channel to a terminal block.

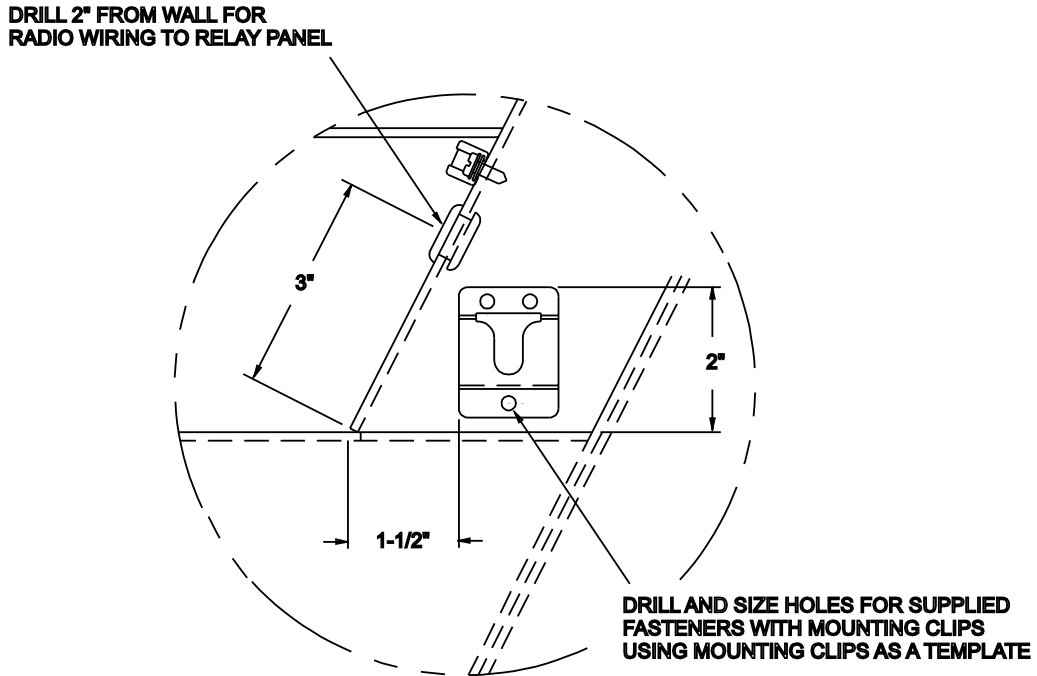
RADIO AND ANTENNA INSTALLATION GUIDELINES

FIGURE 1
VIEW OF LEFT HAND SIDE IN CAB

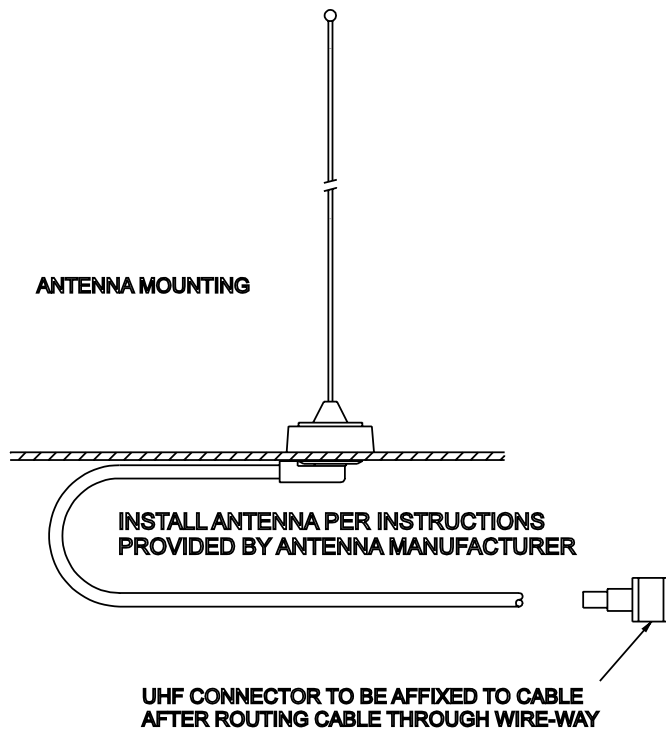


RADIO AND ANTENNA INSTALLATION GUIDELINES

**FIGURE 2
RADIO WIRING TO RELAY PANEL**

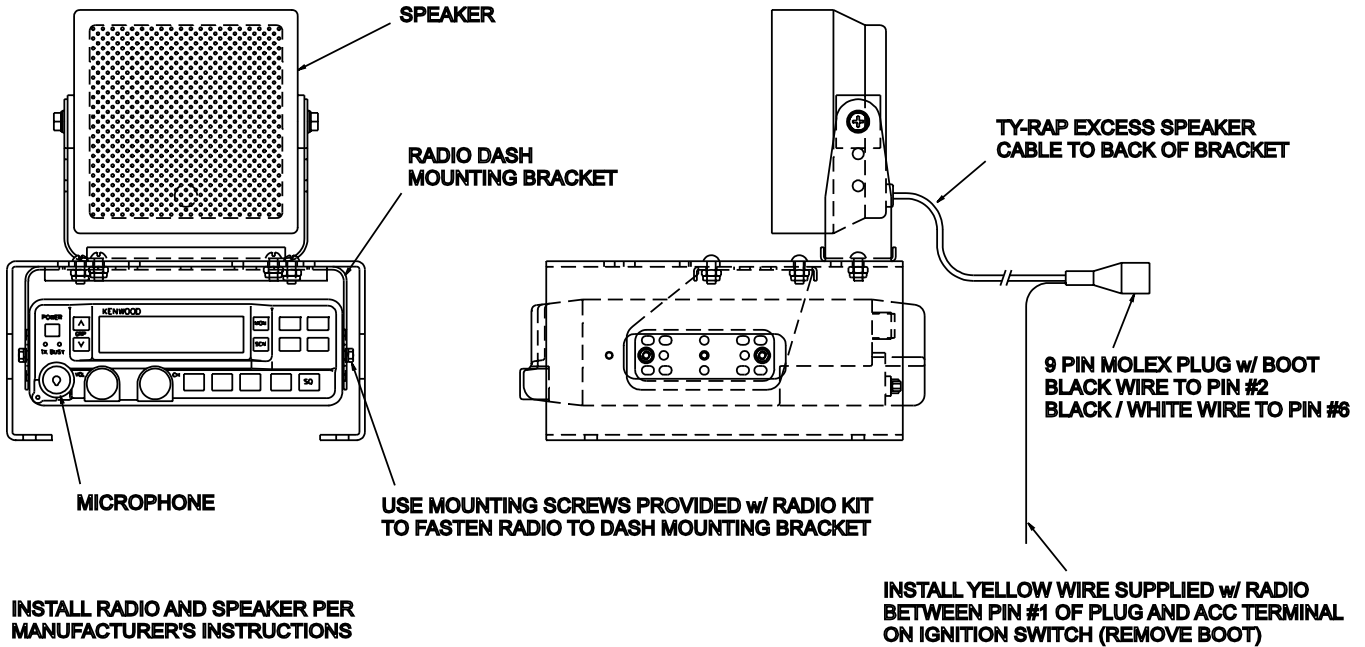


**FIGURE 3
ANTENNA MOUNTING**

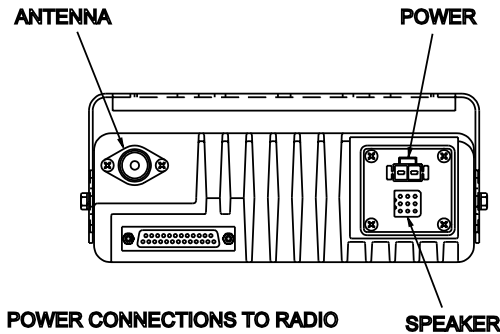


RADIO AND ANTENNA INSTALLATION GUIDELINES

**FIGURE 4
RADIO AND SPEAKER MOUNTING**



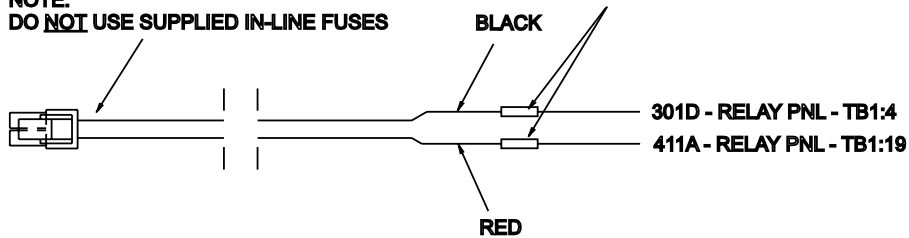
**FIGURE 5
RADIO CONNECTIONS**



HOOK-UP RADIO PER INSTRUCTIONS PROVIDED BY RADIO MANUFACTURER

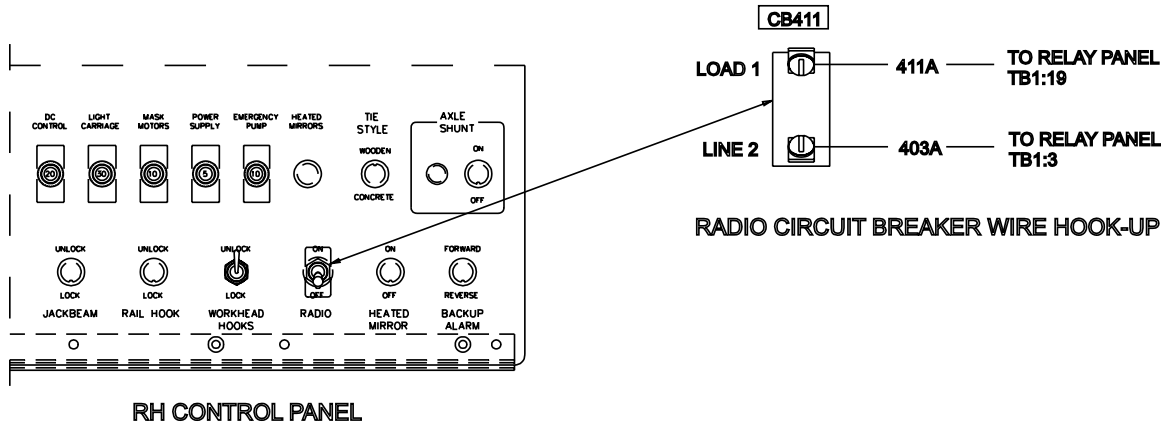
**NOTE:
SOLDER SPLICE #14 GA RED / BLACK WIRE TO POWER CABLE SUPPLIED w/ RADIO AND SLIDE HEAT SHRINK OVER CONNECTION**

**NOTE:
DO NOT USE SUPPLIED IN-LINE FUSES**



RADIO AND ANTENNA INSTALLATION GUIDELINES

**FIGURE 6
RADIO CIRCUIT BREAKER WIRING**



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