



Harsco Track Technologies

Harsco

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SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 10-23-2002 **BULLETIN NO:** 02-024

TITLE: MK IV TAMPER 15 CFM AIR COMPRESSOR

RATING:

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

PRODUCT SERIES / MODEL: MK IV Tampers

SERIAL NO: All Models with Cummins engine and 13 CFM air compressor

SUMMARY: Original MK IV tampers were equipped with a Cummins engine that had a 13 CFM air compressor (Cummins part # 3558005) installed. Due to a large amount of air usage on the machine, the 13 CFM air compressor ran continuously reducing its life cycle. In late 1997, the compressor was changed to a 15 CFM air compressor (Cummins part # 3558113) in an attempt to extend its life cycle. On the earlier MK IV tampers with a 13 CFM air compressor, a small section of copper tubing was mounted underneath the machine and piped between the air compressor and air dryer for cooling purposes. In this location over time, moisture and sludge could build up in the copper tubing and restrict the air compressor's output. This could keep the air compressor from unloading and lead to premature failure. When the compressor was changed to a 15 CFM air compressor, the copper tubing was also moved up to the front side of the fuel tank to allow for better air circulation.

OPERATIONAL IMPACT: To extend the life cycle of the air compressor.

ACTION: To upgrade from a 13 CFM compressor to a 15 CFM compressor, order Compressor Kit part # G3488WAB.
To order only the 15 CFM Compressor, order Compressor part # G3489Y02.

CONTACT: If you have any questions or if we can be of any service, please contact the Service Department at the Columbia, SC. facility, (803) 345-9160.

SAFETY INFORMATION

- FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM MACHINE.
- USE ONLY APPROVED WELDING PRACTICES WHEN WELDING ON DIESEL FUEL TANKS. ENSURE THAT FUEL LEVEL IS FULL OR ABOVE WELD LOCATION ON TANK TO HELP PREVENT IGNITION OF FUEL FUMES.

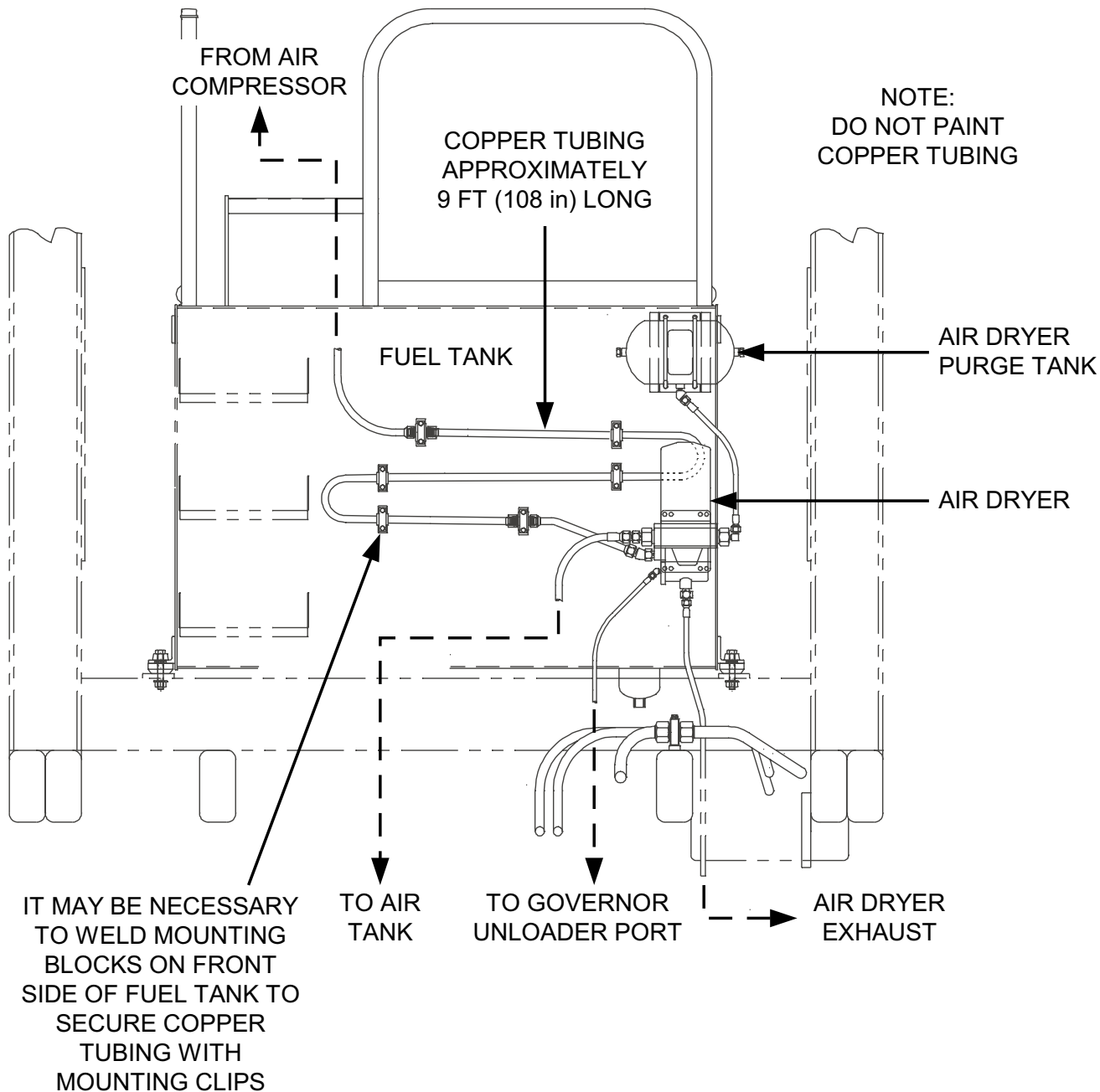
FAILURE TO HEED THESE WARNING COULD RESULT IN SEVERE BODILY INJURY.

COPPER TUBING ROUTING - See Figure 1

1. The copper tubing should be approximately 9 feet (108 inches) long.
2. Route the copper tubing between the new air compressor and the existing air dryer as shown and secure to the front side of the fuel tank as shown.
3. It may be necessary to weld mounting blocks on the front side of the fuel tank to secure the copper tubing with mounting clips. **See Safety Information Above Before Welding On Fuel Tank.**
4. DO NOT PAINT the copper tubing.

COPPER TUBING ROUTING

**FIGURE 1
COPPER TUBING ROUTING**



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