



Harsco Track Technologies

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SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 2-10-2003 **BULLETIN NO:** 03-001

TITLE: PUMPS STANDBY HYDRAULIC PRESSURE SETTING

RATING:

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

PRODUCT SERIES / MODEL: 6700 Tampers

SERIAL NO: All Models

SUMMARY: The standby hydraulic pressure must be set correctly on the jack-beam and work-head pumps in order to ensure proper loading and unloading of the pumps.

OPERATIONAL IMPACT: To allow the engine to crank over faster for easier starting in cold weather and to eliminate random loading and unloading of the jack-beam and work-head pumps during machine operation.

ACTION: To provide standby hydraulic pressure setting instructions for the jack-beam and work-head pumps.

CONTACT: If you have any questions or if we can be of any service, please contact Doug Budreau 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.**

SETTING PUMPS STANDBY HYDRAULIC PRESSURE

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

1. **IMPORTANT: Always stop the engine and depressurize the hydraulic system before connecting or disconnecting hydraulic lines, fittings, pressure gauges, etc.**
2. See Figure 1. The standby pressure should be set on each pump separately. This is accomplished by disconnecting and plugging off the sense line with a JIC plug and the fitting in the pump with a JIC cap on the opposite pump that you are going to adjust to isolate the pump you are working on.
3. Install a pressure gauge on the test port that corresponds to the pump you are adjusting.
 - 3.1 See Figure 2. The standard mounting location of the test ports are located behind the pumps as illustrated.
 - 3.2 See Figure 3. If the machine is equipped with Schroeder test stations, the test ports will be located on the test stations as illustrated.
 - 3.3 See Figure 4. if the machine is equipped with UCC test stations, the test ports will be located on the test stations as illustrated.
4. Start the engine. The 28 volt power switch should be left in the "Unload" position.
5. See Figure 1. Loosen the jam nut on the standby pressure adjusting screw which closest to the pump body. Adjust the screw until a reading of 200-300 psi. is read at the test port for that pump. Then re-tighten the jam nut on the adjusting screw to lock the setting.
6. See Figure 1. Stop the engine. Remove the JIC cap from the fitting in the pump and the JIC plug from the end of the sense line. Reconnect the sense line to the fitting in the pump that was not set.
7. Remove the pressure gauge from the test port.
8. Repeat Steps 2 thru 7 to set the standby pressure in the same manner on the opposite pump that was not adjusted.

SETTING PUMPS STANDBY HYDRAULIC PRESSURE

FIGURE 1
JACK-BEAM AND WORK-HEAD PUMPS

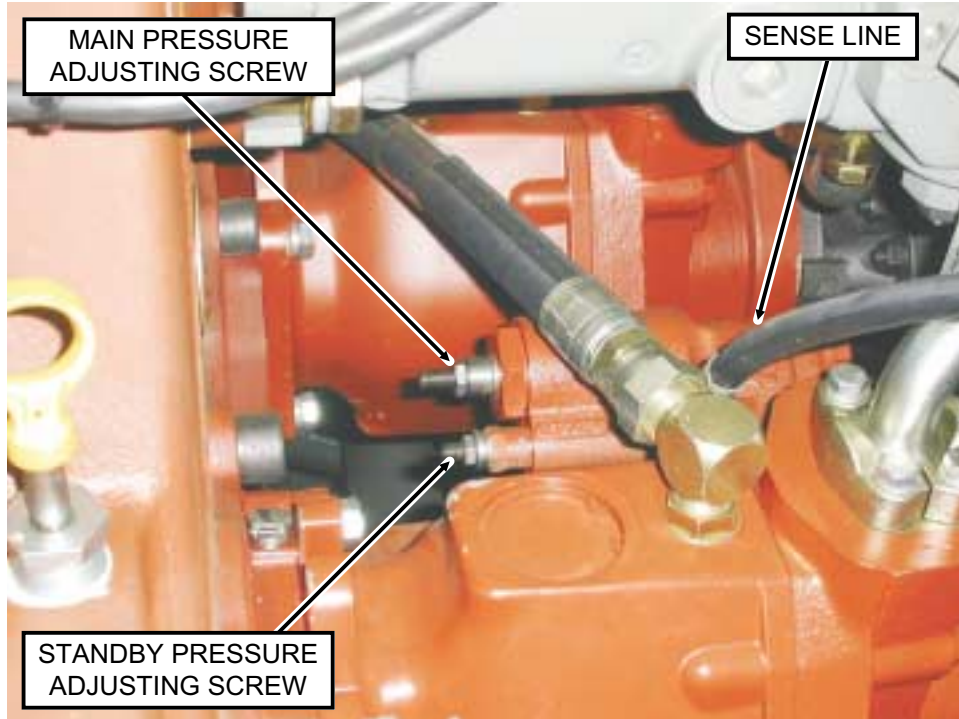
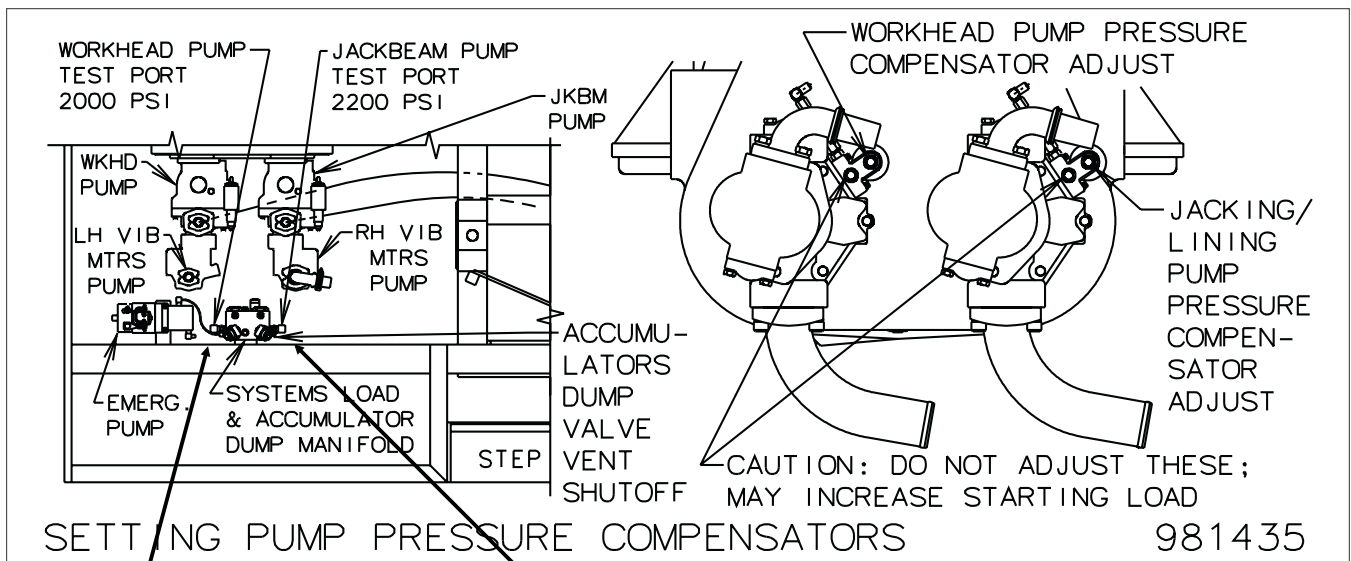


FIGURE 2
STANDARD TEST PORTS LOCATION



WORK-HEAD PUMP
PRESSURE TEST PORT

JACK-BEAM PUMP
PRESSURE TEST PORT

SETTING PUMPS STANDBY HYDRAULIC PRESSURE

FIGURE 3
SCHROEDER TEST STATIONS TEST PORTS LOCATION

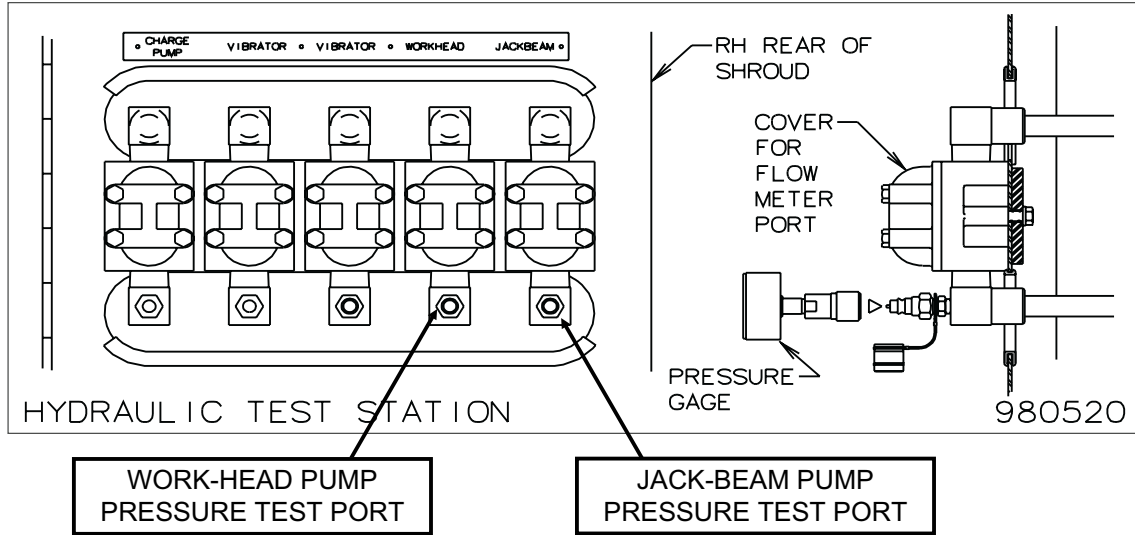
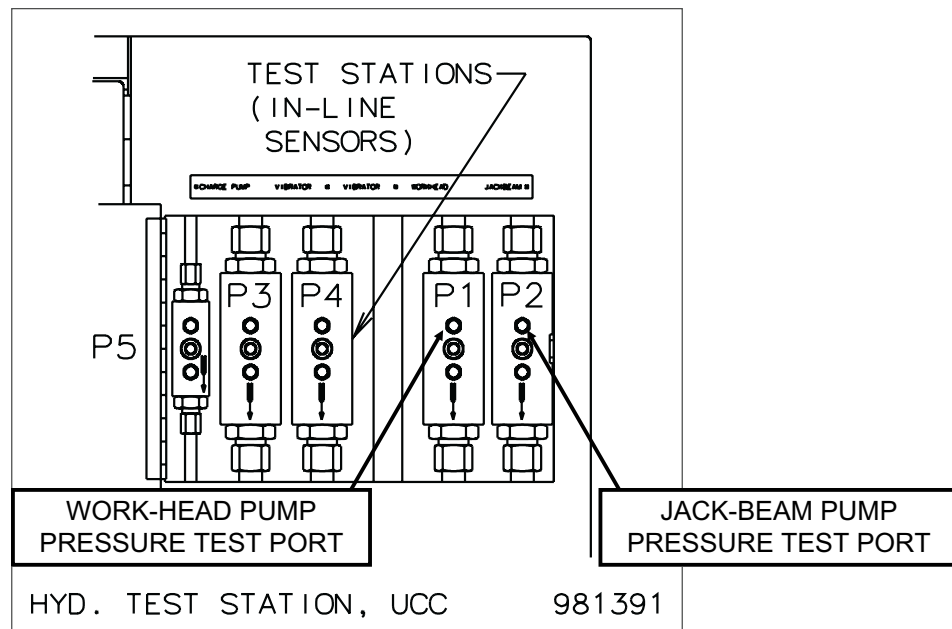


FIGURE 4
UCC TEST STATIONS TEST PORTS LOCATION



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