



# Harsco Track Technologies

Harsco

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## SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

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**DATE:** 1-10-2002 **BULLETIN NO:** 02-001

**TITLE:** GAUGER DUMP VALVE SERVICE GROUP

**RATING:**

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

**PRODUCT SERIES / MODEL:** W96E3 TOP GUN 2000™ Spike Driver  
W96F1 / F2 STRIKER SPIKER™ Spike driver

**SERIAL NO:** All Models

**SUMMARY:** The internal core tube assembly of the gauger dump valve part # 171834 has failed on numerous occasions causing machine delay. The existing gauger dump valve part # 171834 can be directly replaced with a new valve part # 199114 that has a higher tank port pressure rating.

**OPERATIONAL IMPACT:** The gauger dump valve with a higher tank port pressure rating will improve machine reliability.

**ACTION:** The installation of this Service Group requires:

- Disconnecting the electrical cable from the existing valve.
- Removing the existing valve from the manifold.
- Installing the new valve on the manifold.
- Reconnecting the electrical cable to the new valve.

**CONTACT:** If you have any questions or if we can be of any service, please contact the Service Department at the Fairmont, MN. facility, (507) 235-3361.

**SAFETY INFORMATION**

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

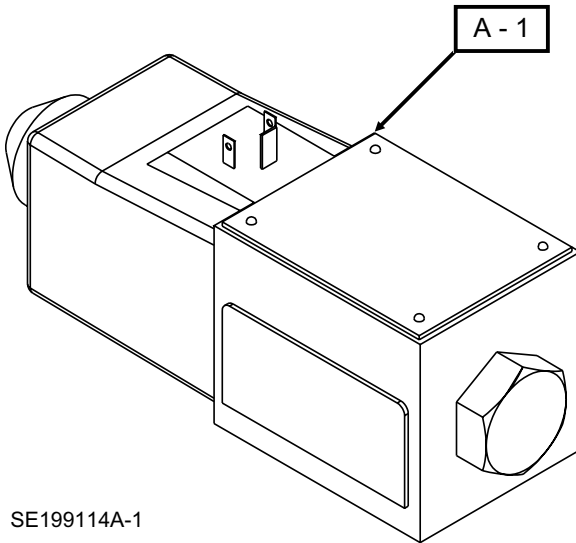
**SERVICE GROUP INSTALLATION** - See Figure 1, Figure 2 or Figure 3

1. Locate the existing gauger dump valve (A) on the machine.
  - W96E3: See Figure 2. The valve is located on the gauger / nipper manifold in front of and in-between the left and right carriages.
  - W96F1 / F2: See Figure 3. The valve is located on the left carriage manifold in front of the left carriage.
2. Disconnect the electrical cable connector from the solenoid of the existing gauger dump valve (A).
3. Remove four cap screws to remove the existing gauger dump valve (A) from the manifold.

*Note: Do not remove the adapter plates under the existing gauger dump valve (A) from the manifold.*
4. Install the new gauger dump valve (1) on top of the adapter plates and secure to the manifold re-using the four cap screws. Torque the four cap screws to 110 +/- 5 in-lbs.
5. Reconnect the electrical cable connector to the solenoid of the new gauger dump valve (1).
6. Start the engine and pressurize the gauger circuit.
7. Check the new gauger dump valve (1) for hydraulic leaks.

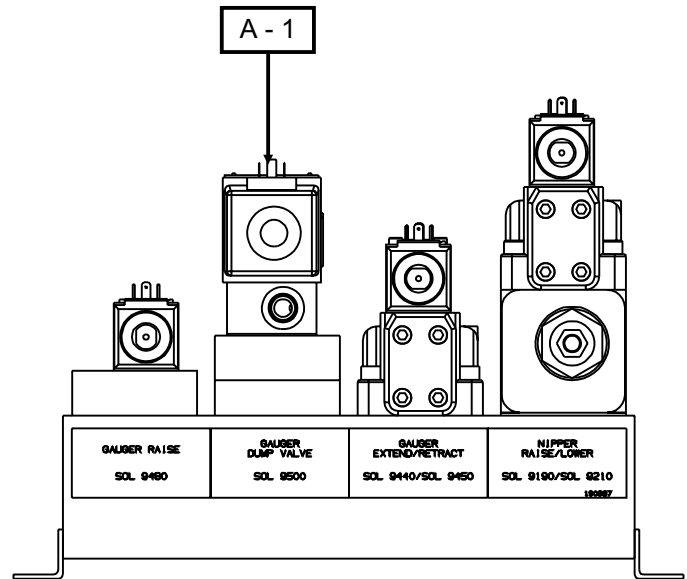
**SERVICE GROUP INSTALLATION**

**FIGURE 1**  
 171834 VALVE IDENTIFICATION  
 199114 VALVE IDENTIFICATION



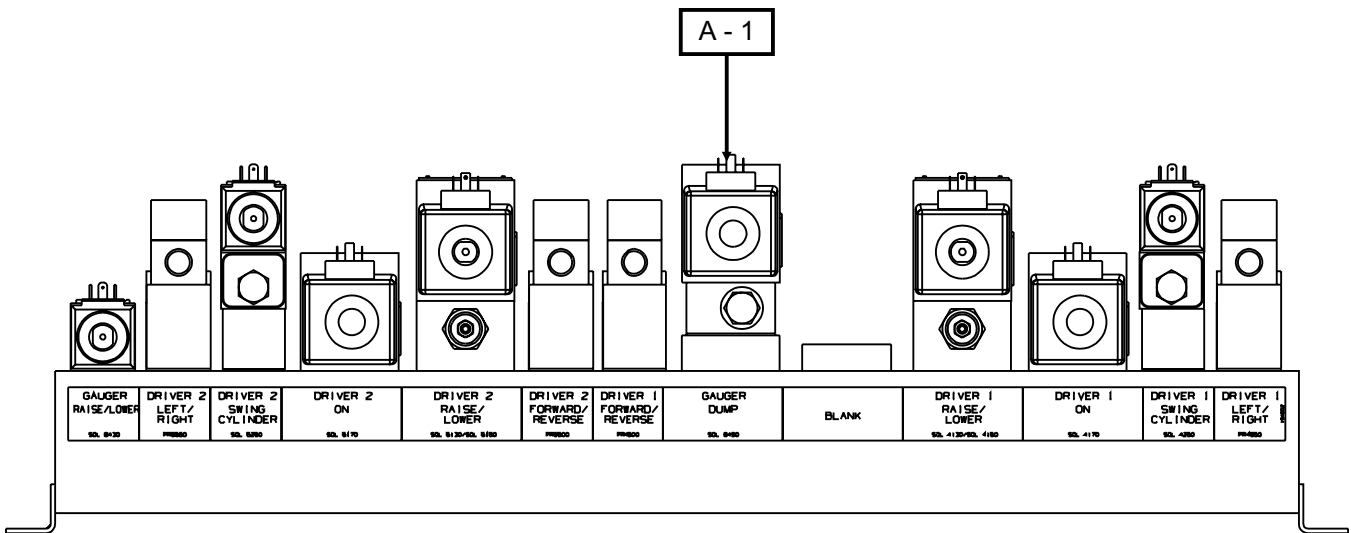
**FIGURE 2**  
 W96E3 SPIKE DRIVER  
 GAUGER / NIPPER MANIFOLD

SE02A101A-1



**FIGURE 3**  
 W96F1 / F2 SPIKE DRIVER  
 LEFT CARRIAGE MANIFOLD

SE01A106A-1



**SERVICE GROUP PARTS LIST**

ITEM	PART NO	DESCRIPTION	QTY
1	199114	Solenoid Valve .....	1

**REPLACEMENT PARTS INFORMATION**

*Note: Replacement parts information for 199114 solenoid valve for future reference.*

ITEM	PART NO	DESCRIPTION	QTY
	199115	Replacement Coil .....	1
	196783	Replacement Seal Kit .....	1

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