

## Steering Pilot Enable Solenoid Valves Test

### -: Specifications

SPECIFICATIONS	
Hydraulic Oil Temperature (minimum)	40°C 104°F
Engine Speed	Slow Idle
Steering Pilot Pressure	3900—4300 kPa 39—43 bar 570—630 psi

### -: Service Equipment and Tools

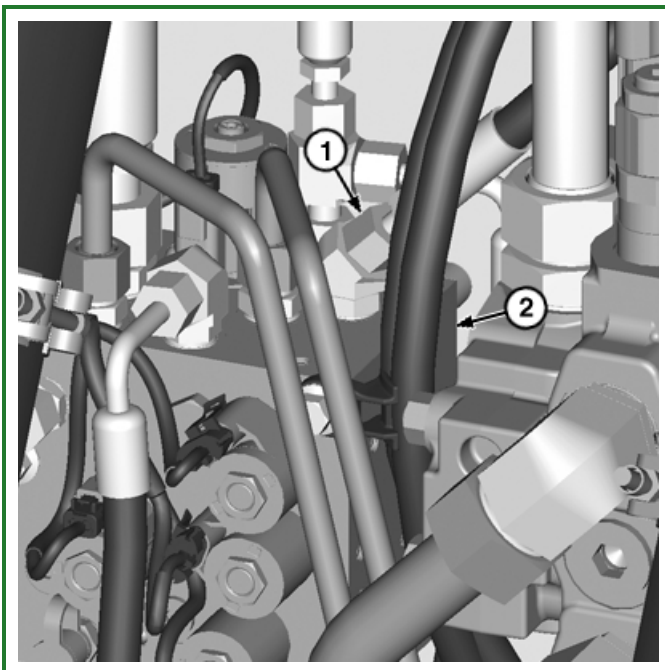
SERVICE EQUIPMENT AND TOOLS
JT02158 Digital Pressure and Temperature Analyzer
JT02162 Transducer 35 000 kPa (350 bar) (5000 psi)
Tee (-6 M ORFS x -6 F ORFS x -6 M ORFS)

Perform this test to verify steering pilot enable solenoid valves are operating correctly.

Before performing this test, verify that supply oil pressure for steering pilot control system is within specification. See [Steering Pilot Pressure Test and Adjustment](#) . (Group 9025-25.)

1. Park and prepare machine for service. See [Park and Prepare for Service Safely](#) . (Group 9000-01.)

2.



TX1191468A-UN: Steering Pilot Line

**LEGEND:**

- 1 - Steering Pilot Line

## 2 - Pilot Manifold

Disconnect steering pilot line (1) from pilot manifold (2).

3. Install tee to steering pilot line and pilot manifold.
4. Connect JT02158 Digital Pressure and Temperature Analyzer and JT02162 Transducers 35 000 kPa (350 bar) (5000 psi) to tee. [See JT02156A Digital Pressure and Temperature Analyzer Kit Installation](#) . (Group 9025-25.)

5.

**⚠ CAUTION:**

*Prevent possible burn injury from hot exhaust components. Disable exhaust filter auto cleaning.*

Disable exhaust filter auto cleaning. [See Operation—Exhaust Filter Auto Cleaning](#) . (Operator's Manual.)

6. Perform hydraulic oil warm-up procedure. [See Hydraulic Oil Warm-Up Procedure](#) . (Group 9025-25.)

Item	Measurement	Specification
Hydraulic Oil Temperature (minimum)		40°C 104°F

7. Run engine at specification.

Item	Measurement	Specification
Engine Speed		Slow Idle

8. Lower left armrest.
9. Measure steering pilot pressure and compare to specification.

Item	Measurement	Specification
Steering Pilot Pressure		3900—4300 kPa 39—43 bar 570—630 psi

10. If steering pilot pressure is out of specification, clean or replace steering pilot enable solenoid valves as necessary. [See Pilot Manifold Disassemble and Assemble](#) . (Group 3160.)
11. Enable exhaust filter auto cleaning.
12. Remove test equipment.
13. Remove frame locking bar.

Go to [Section\\_9025:Group\\_25](#)

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