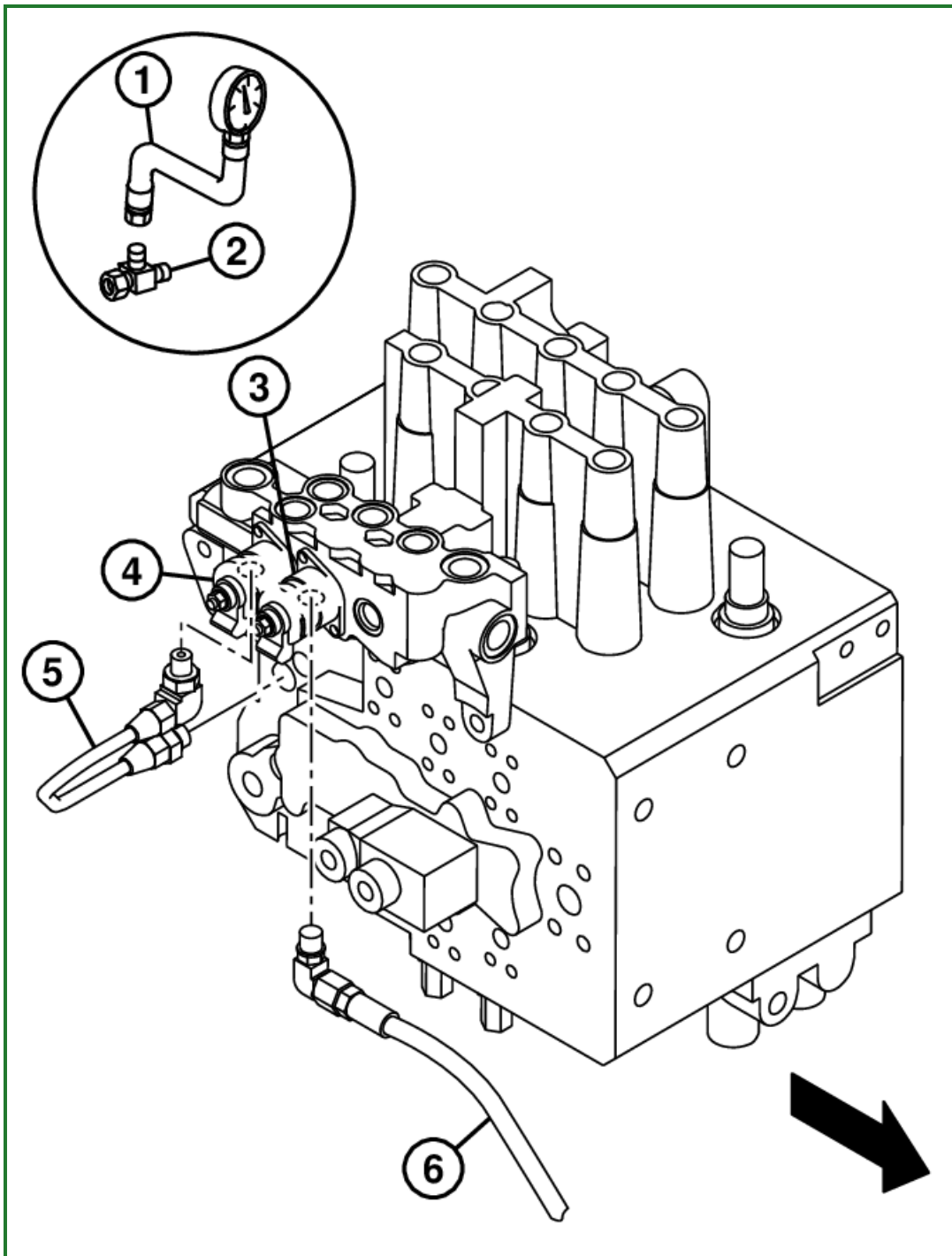


Propel Speed and Arm Regenerative Solenoid Valve Test and Adjustment



T150992-UN: Solenoid Valve Manifold Test Connections

LEGEND:

- 1 - Gauge
- 2 - Tee Fitting
- 3 - Propel Speed Change Solenoid Valve (SI)
- 4 - Arm Regenerative Solenoid Valve (SC)
- 5 - Line
- 6 - Line

-: Specifications

SPECIFICATIONS

Swing Priority and Arm Regenerative Solenoid Valve

SPECIFICATIONS	
Hydraulic Oil Temperature	45—55°C 110—130°F
Engine RPM Dial Position	Fast Idle
Work Mode Switch Position	Dig Mode
Power Mode Switch Position	P (Standard) Mode
Auto Idle/Acceleration Switch Position	Off
Propel Speed Switch Position	Rabbit (Fast)
Arm Regenerative (SC) Pressure	Laptop Computer Reading ± 196 kPa Laptop Computer Reading ± 1.96 bar Laptop Computer Reading ± 28 psi
Propel Speed (SI) Pressure	Laptop Computer Reading ± 196 kPa Laptop Computer Reading ± 1.96 bar Laptop Computer Reading ± 28 psi
Solenoid Valve Adjusting Screw Pressure Change	78 kPa approximate per 1/4 turn 0.78 bar approximate per 1/4 turn 11 psi approximate per 1/4 turn
End of Adjusting Screw to Nut Length	2 mm maximum 0.079 in. maximum
Solenoid Valve Adjusting Screw-to-Housing Nut Torque	5 N·m 44 lb-in.

-: Essential Tools

ESSENTIAL TOOLS
JT03191 (7/16-20M 37° x 7/16-20 F 37° x 7/16-20 M 37°) (Parker No. 063T-4-4) Tee
JT03464 (1/4 M BSPP ORB x 7/16-20 M 37° x M14-1.5 M 45°) Tee

-: Service Equipment and Tools

SERVICE EQUIPMENT AND TOOLS
7000 kPa (70 bar) (1000 psi) Gauge
3 mm Hex Key Wrench
10 mm Combination Wrench

This procedure is to check that the output pressures from the solenoid valves are within specification.

Pressure readings taken with a laptop computer are calculated from an electrical signal in the Pump and Valve Controller. These readings do not change as the valve adjustments are made.

1.

⚠ CAUTION:

Machine will move during test. Avoid possible serious injury from machine