

Hydrostatic Cold Start Valve Test

-: Specifications

SPECIFICATIONS	
Hydrostatic Cold Start Solenoid Coil Resistance at 20°C (68°F)	22.5—34.5 Ω
Hydrostatic Cold Start Solenoid Nut Torque	6.8—9.5 N·m 60—84 lb·in
Hydrostatic Cold Start Solenoid Voltage	24 V
Hydrostatic Cold Start Solenoid Torque	34—36.7 N·m 25—27 lb·ft

-: Essential Tools

ESSENTIAL TOOLS
JDG1886 Test Harness
JT07237-1 Single Pin Test Harness

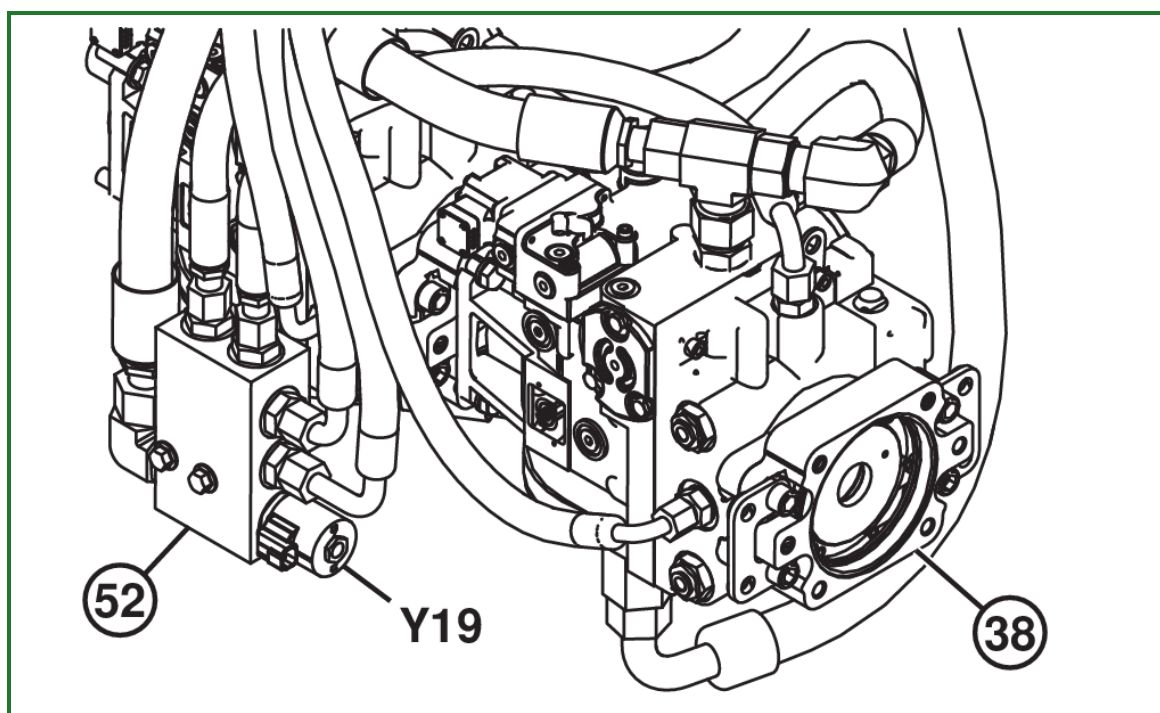
-: Service Equipment and Tools

SERVICE EQUIPMENT AND TOOLS
Multimeter

The purpose of this test is to determine if the hydrostatic cold start valve is opening and closing.

Diagnostic trouble codes will be recorded during this test and must be cleared when completed.

1.



TX1120037-UN: Hydrostatic Cold Start Valve (655K shown)

LEGEND:

38 - Rear Hydrostatic Pump (left track)

52 - Hydrostatic Cold Start Valve

Y19 - Transmission Cold Start Solenoid

Solenoid Coil Test

1. Tilt cab. See [Operator's Station Tilting Procedure](#) . (Operator's Manual.)
2. Disconnect machine harness from transmission cold start solenoid (Y19).
3. Connect JDG1886 Test Harness to transmission cold start solenoid. Do not connect other connector to machine wire harness.
4. Connect multimeter using JT07237-1 Single Pin Test Harness.

5.

NOTE:

Machine wire harness must be disconnected for correct measurement.

Measure resistance of solenoid coil.

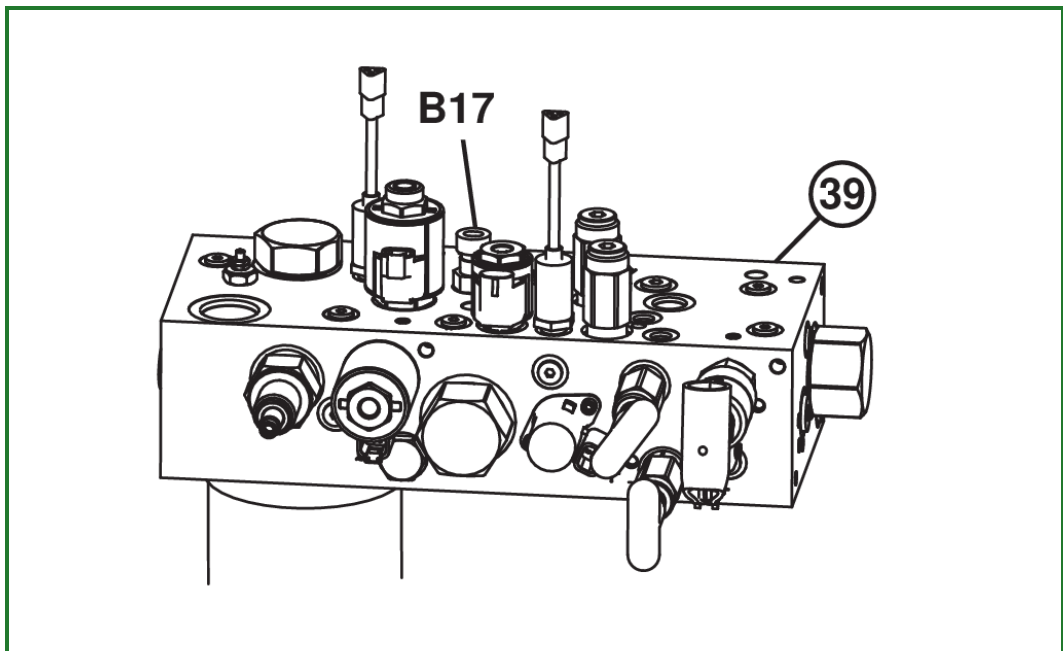
Item	Measurement	Specification
Transmission Cold Start Solenoid Coil	Resistance at 20°C (68°F)	22.5—34.5 Ω

6. If resistance is not to specification, remove and replace coil. Tighten nut on coil to specification.

Item	Measurement	Specification
Transmission Cold Start Solenoid Nut Torque		6.8—9.5 N·m 71—84 lb·in

2. Machine Harness Test

1.



TX1123473-UN: Hydrostatic Oil Temperature Sensor

LEGEND:

39 - Hydraulic Integrated Circuit (HIC) Valve

B17 - Hydrostatic Oil Temperature Sensor