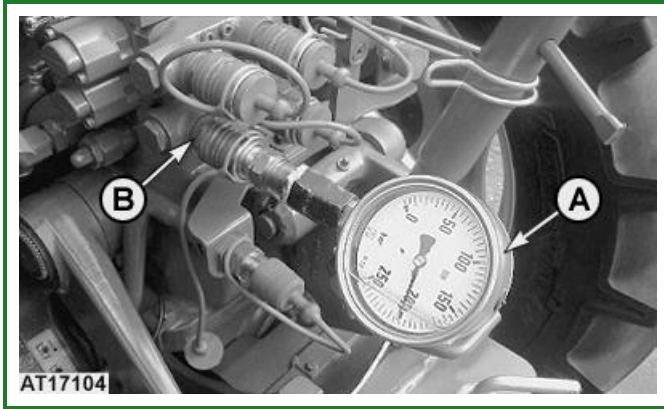


SCV Relief Valve Test



AT17104-UN: SCV relief valve test

REASON:

To determine if factory setting of relief valve pressure is still correct.

CONNECTIONS:

Connect pressure gauge (A) to coupler plug (B).

PROCEDURE:

1. Warm up hydraulic oil to 50 °C (120 °F).
2. Run engine at fast idle.
3. Move SCV lever to pressurize test outlet. Hold until you hear system go into relief.
4. Check pressure reading on gauge.

Item	Measurement	Specification
SCV Relief Valve Pressure		19000 kPa (190 bar; 2756 psi)

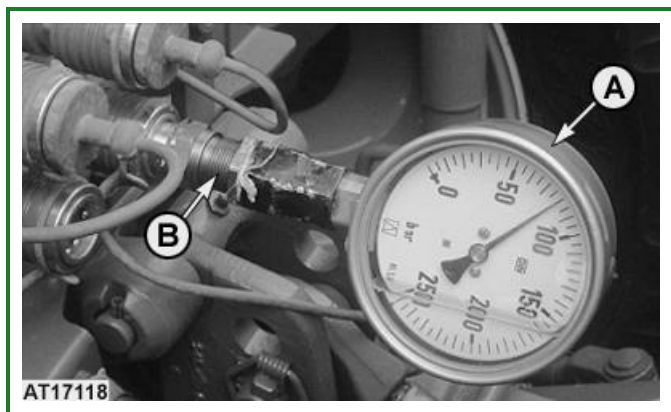
RESULTS:

If pressure is high or low, adjust relief valve. See [Safety and Relief Valve Adjustment](#) in this Section.

Go to [Section_270:Group_50](#)

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SCV Leakage Test



AT17118-UN: SCV leakage test

REASON:

To determine if excessive leakage exists at spool valves.

CONNECTIONS:

1. Connect pressure gauge (A) to coupler plug (B).

PROCEDURE:

1. Warm up hydraulic oil to 50 °C (120 °F).
2. Run engine at fast idle (2500 rpm).
3. Move SCV control lever to pressurize test outlet. Hold until system goes into relief (19000 kPa; 190 bar; 2756 psi).
4. Release control lever and note the time it takes for pressure to drop below 3450 kPa (34.5 bar; 500 psi).

SPECIFICATIONS:

Pressure should stay above 3450 kPa (34.5 bar; 500 psi) for at least 5 seconds.

RESULTS:

OK: END OF TEST

NOT OK: If the drop of pressure is excessive (pressure drops below 3450 kPa; 34.5 bar; 500 psi in less than 5 seconds), replace SCV.

NOTE:

Test performed with Hy-Gard™ oil JD 20C at 50 °C (120 °F).

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