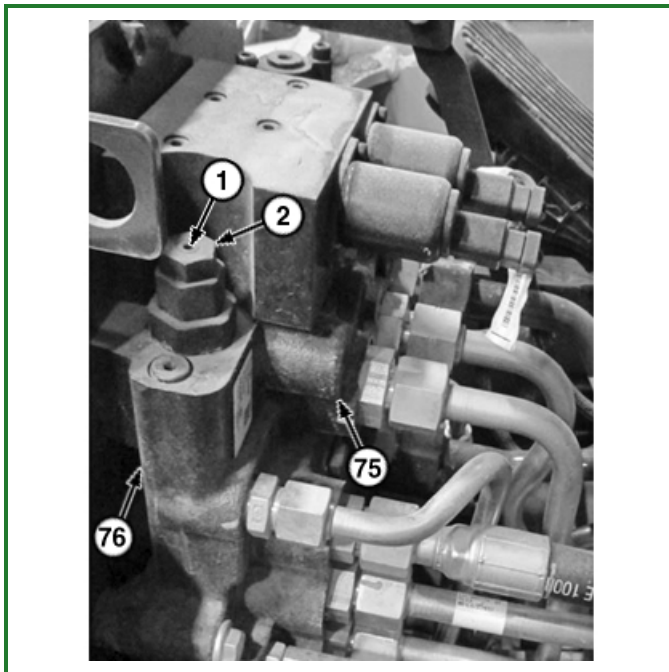


Hydraulic system relief valve is located in the hydraulic control valve.



**TX1250641A-UN: Hydraulic System Relief Valve**

**LEGEND:**

- 1 - Adjusting Screw
- 2 - Lock Nut
- 75 - Hydraulic Control Valve
- 76 - Hydraulic System Relief Valve

If hydraulic system relief pressure is not to specification, adjust hydraulic system relief valve (76). See [Hydraulic Control Valve Operation](#) . (Group 9025-05.)

1. Remove footwell to gain access to the hydraulic control valve (75). See [Footwell Removal](#) . (Operator's Manual.)
2. Loosen lock nut (2).

3.

**NOTE:**

*Turning adjusting screw (1) clockwise increases pressure. Turning adjustment screw counterclockwise decreases pressure.*

Turn adjusting screw (1) to set relief pressure.

4. Hold adjusting screw in place while tightening lock nut.

10. If hydraulic system relief pressure cannot be attained, replace hydraulic system relief valve. See [Control Valve Disassemble and Assemble](#) . (Group 3160.)

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

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## Charge Pressure Relief Valve Test

### -: Specifications

SPECIFICATIONS	
Hydraulic Oil Temperature	43°C 110°F
Engine Speed	Fast Idle
Charge Pressure Relief Valve (EH controls) Pressure	2654—3413 kPa 27—34 bar 385—495 psi
Charge Pressure Relief Valve (manual controls) Pressure	2206—3447 kPa 22—34 bar 320—500 psi

### -: Service Equipment and Tools

SERVICE EQUIPMENT AND TOOLS
JT02156A Digital Pressure/Temperature Analyzer
JT02162 Transducer 34 500 kPa (345 bar) (5000 psi)
Gauge 35 000 kPa (350 bar) (5000 psi)

This test is performed to ensure that there is sufficient oil pressure to charge the hydrostatic system and supply pilot oil to the hydraulic system.

1. Remove front attachment and park machine on flat, level surface.
2. Raise boom and engage boom lock. [See Boom Lock](#) . (Operator's Manual.)

3.

#### CAUTION:

*To avoid injury from escaping fluid under pressure, stop engine and relieve the pressure in the system before disconnecting or connecting hydraulic or other lines. Tighten all connections before applying pressure.*

Stop engine and relieve hydraulic pressure. [See Hydraulic System Pressure Release](#) . (Group 9025-25.)

4. Remove engine side panels and raise hood. [See Engine Side Panels—Remove and Install](#) . (Operator's Manual.)