

Control Valve Remove and Install—210CW

1.

CAUTION:

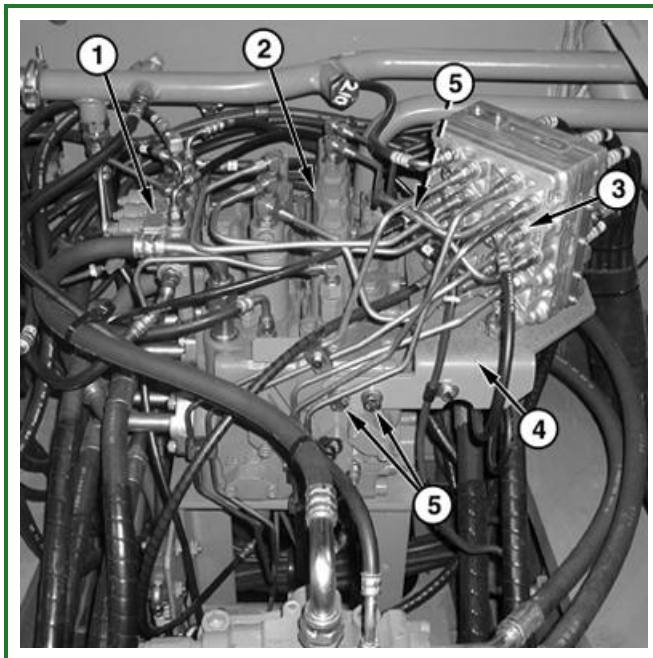
High pressure release of oil from pressurized system can cause serious burns or penetrating injury. The hydraulic oil tank is pressurized. Release hydraulic oil tank pressure by pushing pressure release valve at top of hydraulic oil tank.

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2. Apply vacuum to hydraulic oil tank or drain hydraulic oil tank. [See Apply Vacuum to Hydraulic Oil Tank](#) . (Group 3360.) Approximate capacity of oil tank is 135 L (35.7 gal).

3. Remove access panel.

4.



T211449A-UN: Control Valve

LEGEND:

1 - Four-Unit Solenoid Valve

2 - Control Valve

3 - Pilot Signal Control Valve

4 - Bracket

5 - Cap Screw (3 used)

Identify lines for assembly purposes.

5. Remove four-unit solenoid valve. [See Four-Unit Solenoid Valve Remove and Install—210CW](#) . (Group 3360.)

6. Remove all lines from control valve side of pilot signal control valve (3). Close all lines and fittings using caps and plugs.

7. Remove cap screws (5). Move pilot signal control valve and bracket (4) away from control valve (2).

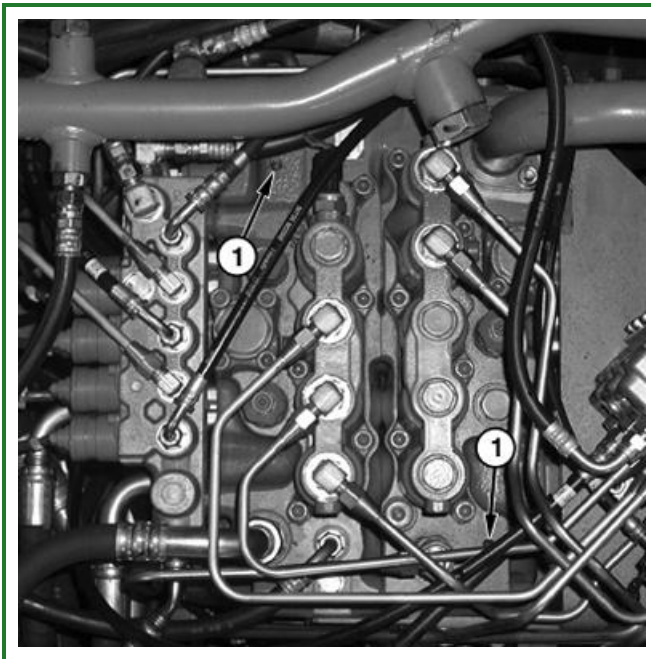
8. Disconnect hydraulic lines from control valve. Close all lines and fittings using caps and plugs.

9.

CAUTION:

Prevent possible injury from crushing. Heavy component, use appropriate lifting device.

Item	Measurement	Specification
Control Valve Approximate Weight		180 kg 400 lb



T211450A-UN: Control Valve Lifting Holes

LEGEND:

1 - Lifting Hole (2 used)

Attach hoist to control valve lifting holes (1) using eyebolts and lifting strap.

10. Remove control valve.
11. Repair or replace parts as necessary. See [Control Valve 5-Spool Disassemble and Assemble—210CW](#) and see [Control Valve 4-Spool Disassemble and Assemble—210CW](#) . (Group 3360.)
12. Install control valve and connect lines. See [Control Valve Line Identification—210CW](#) . (Group 9025-15.)
13. Install pilot signal control valve and connect lines. See [Pilot Signal Control Valve-to-Control Valve Line Connection—210CW](#) . (Group 9025-15.)
14. Install four-unit solenoid valve and connect lines. See [Pilot Valves and Pilot Signal Control Valve Schematic—210CW](#) . (Group 9020-15.)
15. Check oil level in hydraulic oil tank. See [Checking Hydraulic Oil Level](#) . (Operator's Manual.) Add oil if necessary. See [Hydraulic Oil](#). (Operator's Manual.)