

TM10695 - 644K 4WD Loader Engine 6068HDW80, 6068HDW83 Auxiliary Function Pilot Control Valve Remove and Install—If Equipped

Auxiliary Function Pilot Control Valve Remove and Install—If Equipped

1.



CAUTION:

Prevent possible injury from unexpected machine movement. Install frame articulation lock bar before working in frame hinge area.

Install frame articulation lock bar.

2.



CAUTION:



X9811-UN: Escaping Fluid Under Pressure

Escaping fluid under pressure can penetrate the skin, causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body from high-pressure fluids.

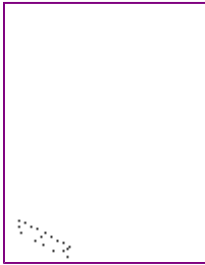
If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.

Perform Hydraulic System Pressure and Accumulators Discharge . (Group 9025-25.)

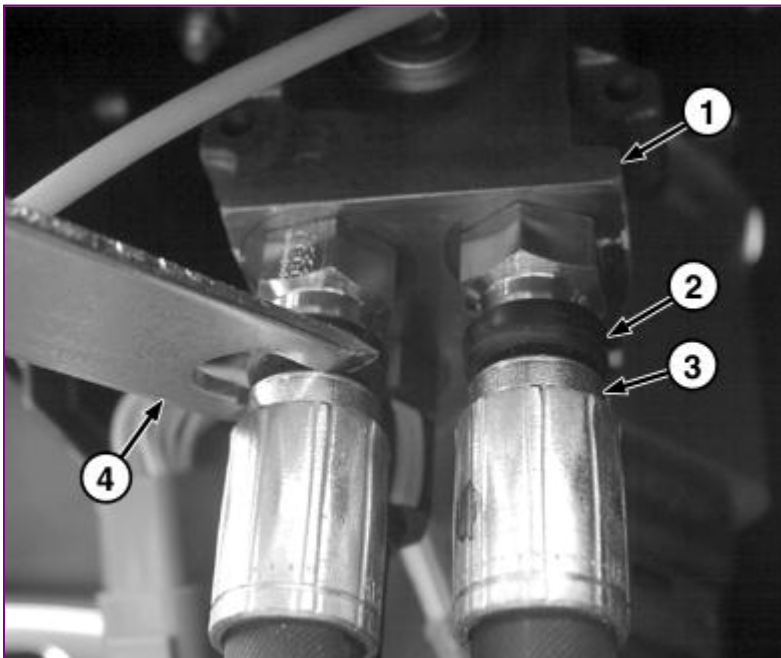
3. Turn battery disconnect switch to the OFF position.
4. Apply vacuum or drain hydraulic reservoir. If draining hydraulic reservoir, [see Drain and Refill Capacities](#) . (Operator's Manual.)
5. Remove right armrest assembly.
6. Remove switch pad and pilot control trim panel.
7. Open auxiliary function pilot control valve access panel on outside right of machine.
8. Disconnect all electrical connectors from auxiliary function pilot control valve (1).

-
9. **NOTE:**

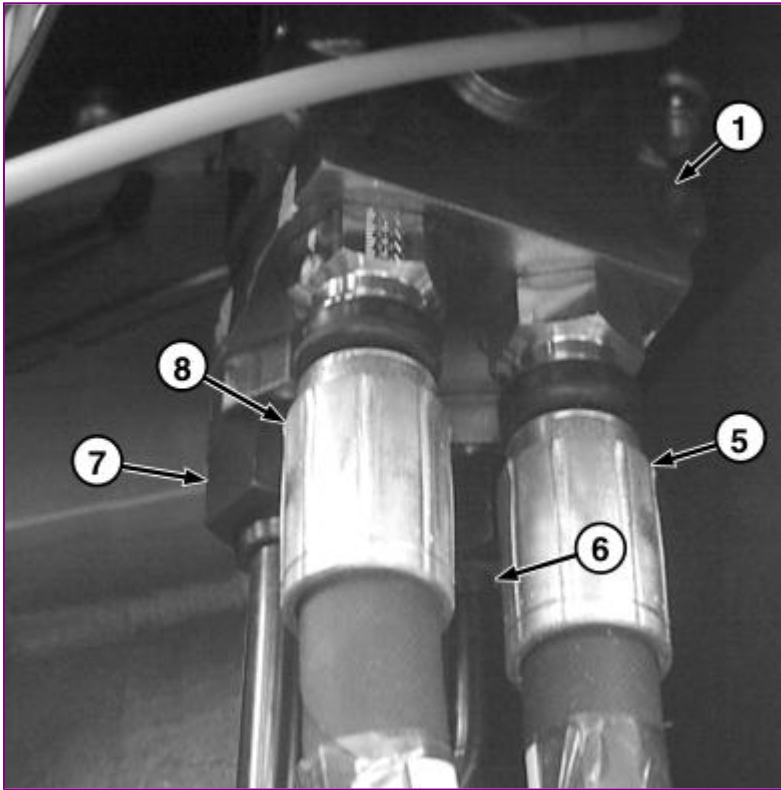
The auxiliary function pilot control valve uses Snap-to-Connect® (STC) Fittings. An STC tool is supplied with vehicle and located in Operator's Manual Packet.



TX1022106-UN: JDG1385 Snap-to-Connect® Tool



TX1029503A-UN: Snap-to-Connect® Tool/Auxiliary Function Pilot Control Valve



TX1029502A-UN: Auxiliary Function Pilot Control Valve Hydraulic Lines

LEGEND:

- 1 - Auxiliary Function Pilot Control Valve
- 2 - Release Sleeve
- 3 - Shoulder
- 4 - JDG1385 Snap-to-Connect® (STC) Tool
- 5 - Work Port A Hydraulic Line
- 6 - Hydraulic Pressure Line
- 7 - Hydraulic Return Line
- 8 - Work Port B Hydraulic Line

Disconnect auxiliary function pilot control valve hydraulic lines (5 and 8) by performing the following:

- a. Clean around the STC fittings.
- b. Identify hydraulic lines for installation purposes.
- c. **IMPORTANT:**

Do not pry against release sleeve (2) or damage to Snap-to-Connect® fitting could result.

Do not force release sleeve beyond normal range of travel, otherwise release sleeve could fall off when hose is disconnected. If damage fitting is connected without the release sleeve installed, fitting will not disconnected again.

Insert JDG1385 Snap-to-Connect® (STC) Tool (4) between release sleeve (5) and shoulder (6) of fitting.

- d. Gently push, do not pry, release sleeve away from shoulder to disconnect the STC fitting.
- e. Pull hydraulic line to disconnect.
- f. Close all openings using caps and plugs.

10. Disconnect auxiliary function pilot control valve hydraulic lines (6 and 7). Close all openings using caps and plugs.
11. Remove auxiliary function pilot control valve (1).
12. Repair or replace parts as necessary.
13. Install auxiliary function pilot control valve.
14. Connect auxiliary function pilot control valve hydraulic lines (5—8). [See Hydraulic System Component Location](#) . (Group 9025-15.)
15. Connect all electrical connectors to auxiliary function pilot control valve.
16. Remove vacuum or fill hydraulic reservoir. [See Drain and Refill Capacities](#) . (Operator's Manual.)
17. Start machine. Operate controls and check for leaks.
18. Install switch pad and pilot control trim panel.
19. Install right armrest assembly.
20. Turn battery disconnect switch to the ON position.
21. Remove frame articulation lock bar.