

Pilot Control Valve Remove and Install

1. Park machine on a level surface and lower boom and bucket to the ground.
2. Stop engine, then turn key to on position.

3.

⚠ CAUTION:

Escaping fluid or gas from pressurized hydraulic accumulator systems can cause serious injury. Extreme heat can cause the accumulator to burst, and pressurized lines can be accidentally cut. Do not weld or use a torch near a pressurized accumulator or pressurized lines.

Relieve pressure from the hydraulic system before removing accumulator. Never attempt to relieve hydraulic system or accumulator pressure by loosening a fitting.

Push and hold pilot enable/boom down switch while moving loader control lever to boom down then to bucket rollback positions. Repeat this cycle until no movement is felt or seen in boom lower or bucket rollback functions.

4.

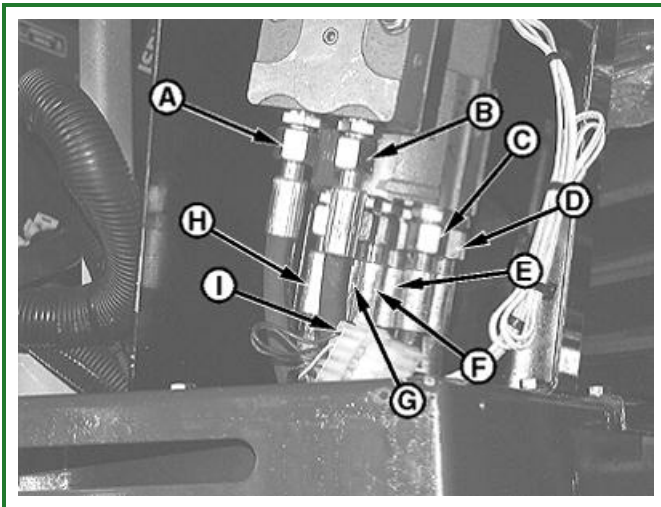
NOTE:

This procedure will take approximately 20 applications to bleed pilot accumulator circuit.

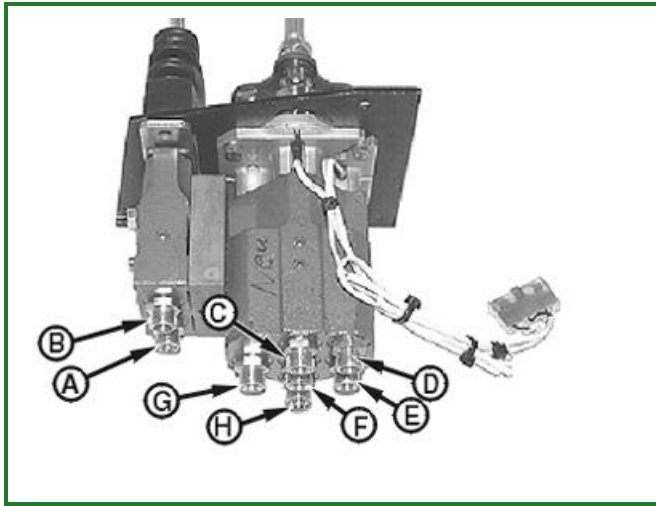
Hold loader control lever bucket rollback partially engaged in boom raise function, push and release pilot enable/boom down switch, a kickback should be felt in control lever. Hold lever to partial engagement in each function and repeat push and release pilot enable/boom down switch procedure until no kickback is felt.

5. Attach vacuum pump to reservoir to keep oil leakage from open lines to a minimum.

6.



T116139B-UN: Removing Pilot Control Valve



T116141C-UN: Removing Pilot Control Valve

LEGEND:

- A - Auxiliary Port 2-to-Loader Valve Auxiliary Section Line
- B - Auxiliary Port 1-to-Loader Valve Auxiliary Section Line
- C - Boom Down Pilot Port-to-Loader Valve Boom Section Line
- D - T Port-to-Reservoir Line
- E - Bucket Dump Pilot Port-to-Loader Valve Bucket Section Line
- F - P Port-to-Pilot Lockout Solenoid Valve Line
- G - Bucket Rollback Pilot Port-to-Loader Valve Bucket Section Line
- H - Boom Raise Pilot Port-to-Loader Valve Boom Section Line
- I - Electrical Connector

Remove loader control valve boot and console.

7.

NOTE:

Mark lines before disconnecting to aid in installation.

Mark and disconnect lines (A—H) and electrical connector (I).

8. Remove pilot control valve mounting plate-to-side support screws and lift pilot control valve, quick disconnect/auxiliary pilot control valve and mounting plate from machine.

9.

