

# TouchSet Depth Control

## Using TouchSet Depth Controls

**CAUTION:** Avoid personal injury or death. Do not attempt to install depth control sensors on implements not intended for this system. See implement operator's manual.

Moving control unit, sensor, connectors, or linkages, when engine is running, may cause unexpected movement. Stay clear of implement when starting engine.

Tractor selective control valve (SCV) I is used to electronically control raising, lowering, and setting of implement depth, without leaving the cab.

Control lever (A) is used to control implement operating depth and height that implement will raise.

Touch switches (B) and (C) set limits of implement movement controlled by SCV I control lever for repeatability of implement raised and lowered positions.

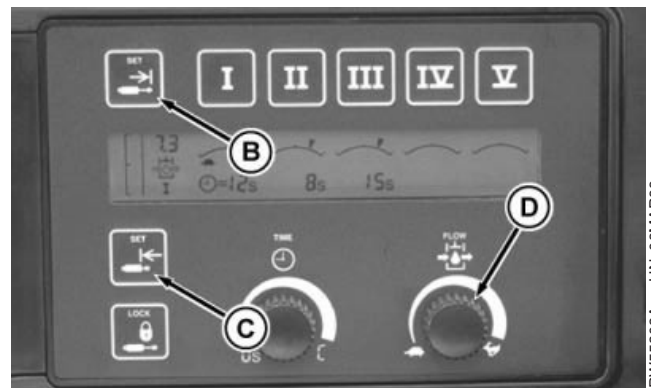
Flow control (D) adjusts flow rate for each SCV to determine speed at which implement will raise and lower.

### Restoring SCV Control

SCV is restored to normal operation whenever tractor is started with wiring harness disconnected.



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RW55302A -JUN-08MARR99

- A—SCV I Control Lever
- B—Raise Position Set Switch
- C—Lower Position Set Switch
- D—Flow Rate Adjustment Knob

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## Attaching Implement and Control System

**⚠ CAUTION:** Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines.

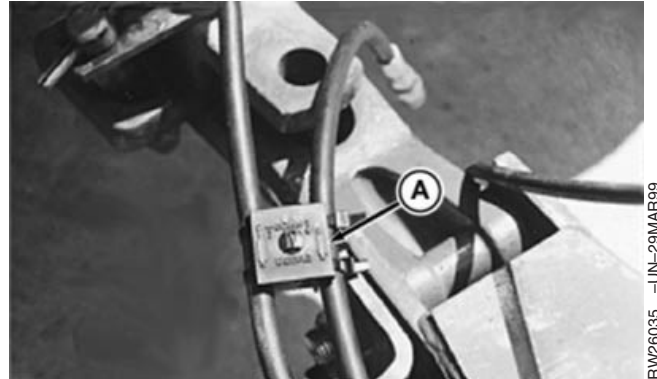
*NOTE:* Hose identification kits are available from your John Deere Dealer.

1. Identify control hoses (A).
2. Back tractor into position and attach hitch link to drawbar. Be sure hitch pin is locked into position.
3. Stop tractor engine.

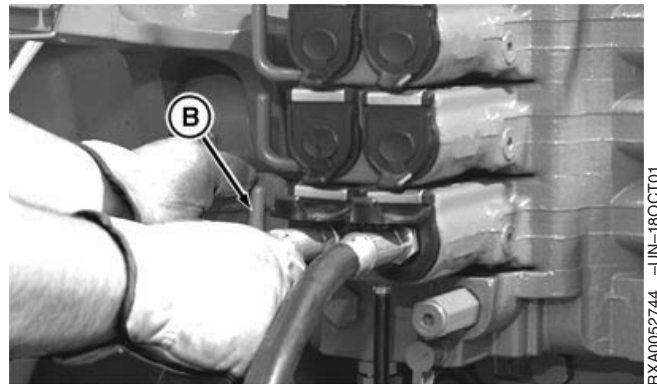
**IMPORTANT:** Be sure to correctly connect depth control hoses to couplers. If hose connections are reversed, machine will not respond to system controls.

4. Push implement control hoses into SCV I couplers (B) as required. **Extend** hose always goes in **left** coupler.

**A—Hose Identification**  
**B—SCV I Couplers**



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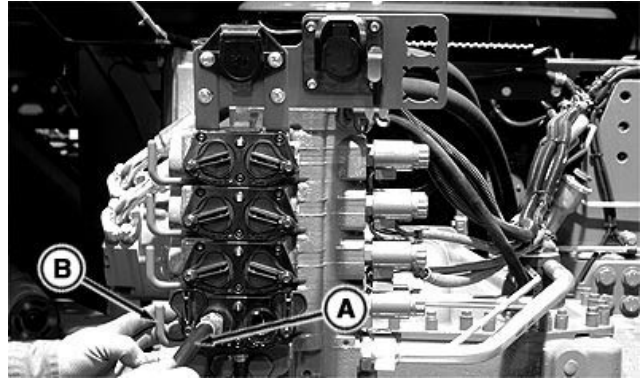
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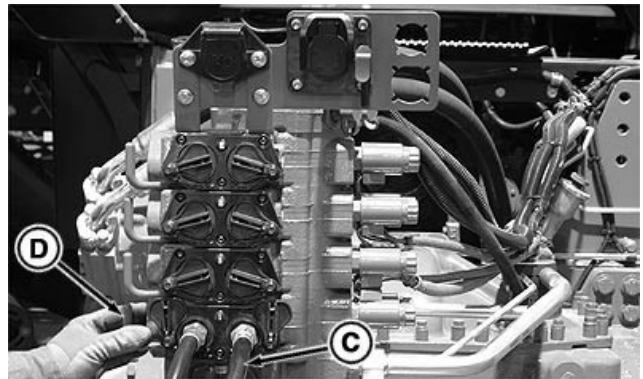
**NOTE:** When installing hydraulic hoses under pressure, follow procedure listed or hose may not stay seated.

5. Push extend hose (A) forward until contacting coupler.
6. Pull back on lever (B) while continuing to push forward on hose. This will allow coupler poppet to retract.
7. With hose fully inserted into coupler, release lever allowing it to go back to center position. This will lock hose in place.
8. Push retract hose (C) forward until contacting coupler.
9. Push forward on lever (D) while continuing to push forward on hose. This will allow coupler poppet to retract.
10. With hose fully inserted into coupler, release lever allowing it to go back to center position. This will lock hose in place.

- A—Extend Hose
- B—Lever
- C—Retract Hose
- D—Lever



Install Extend Hose

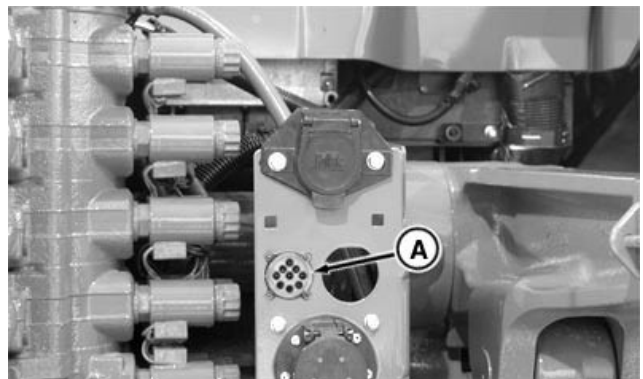


Install Retract Hose

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11. Attach wiring harness to tractor implement connector (A).

- A—Wiring Harness Connector



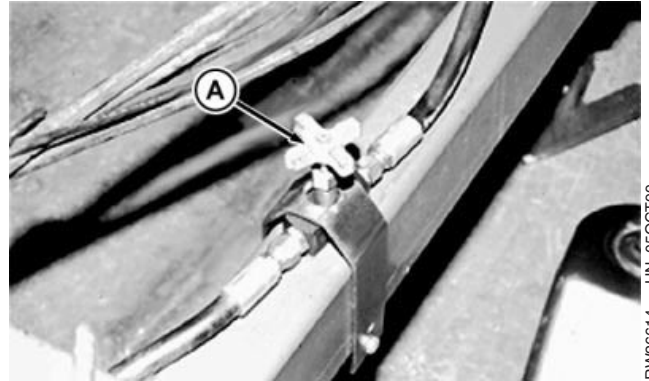
Wiring Harness Connector

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## Checking Depth Control Operation

Open implement lock-up valve (A).

A—Implement Lock-up Valve



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**IMPORTANT:** If setup panel does not show a “P” at start-up, depth control system is not correctly connected or the hoses are reversed.

Start engine and raise and lower implement with SCV I control lever (A). Pulling switch rearward will raise implement and pushing switch forward will lower implement.

Check tractor hydraulic oil level after cycling cylinders. Add oil if necessary.

Push SCV control lever (A) forward to desired implement operating depth.

Push switch (C) to set operating depth. Implement will lower to same working depth each time the lever is pushed forward to the detent “click” position and released.

Pull SCV control lever back to raise implement to desired height. Push switch (B) to set upper limit. Implement will raise to same height each time the lever is pulled back to the detent “click” position and released.

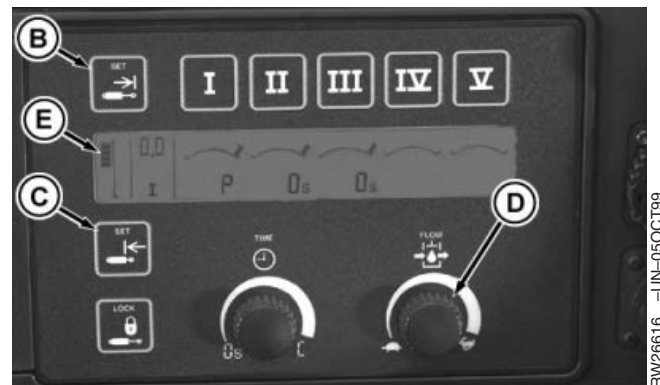
*NOTE: Symbols (E) show upper and lower settings.*

Adjust flow rate (D) to determine speed at which implement will raise and lower. If implement goes beyond depth settings, flow rate is too high.

*NOTE: System can be overridden by using SCV I lever. Settings are restored by resetting SCV I to the detent “click” position.*



RXA0056512 -UN-29AUG01



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A—SCV I Control Lever  
 B—Raise Position Set Switch  
 C—Lower Position Set Switch  
 D—Flow Rate Adjustment Knob  
 E—Setting Display

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## Detaching Implement

**⚠ CAUTION: Serious personal injury can result if hydraulic hoses are disconnected under pressure. Move SCV lever to the float position and push transport lock touch switch on SCV TouchSet monitor before disconnecting.**

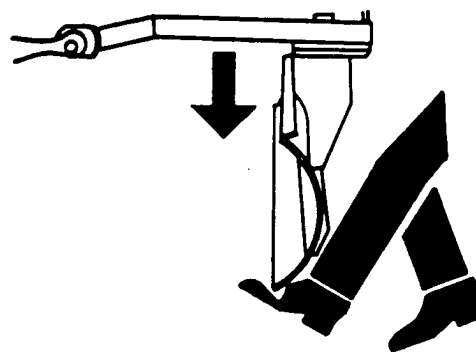
Lower implement with engine running.

Stop engine.

Disconnect control system wiring harness.

Disconnect hydraulic hoses.

Remove hitch pin from drawbar. Drive tractor away from implement.



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