



JOHN DEERE

# Product Services Information

## INSTALLATION INSTRUCTIONS

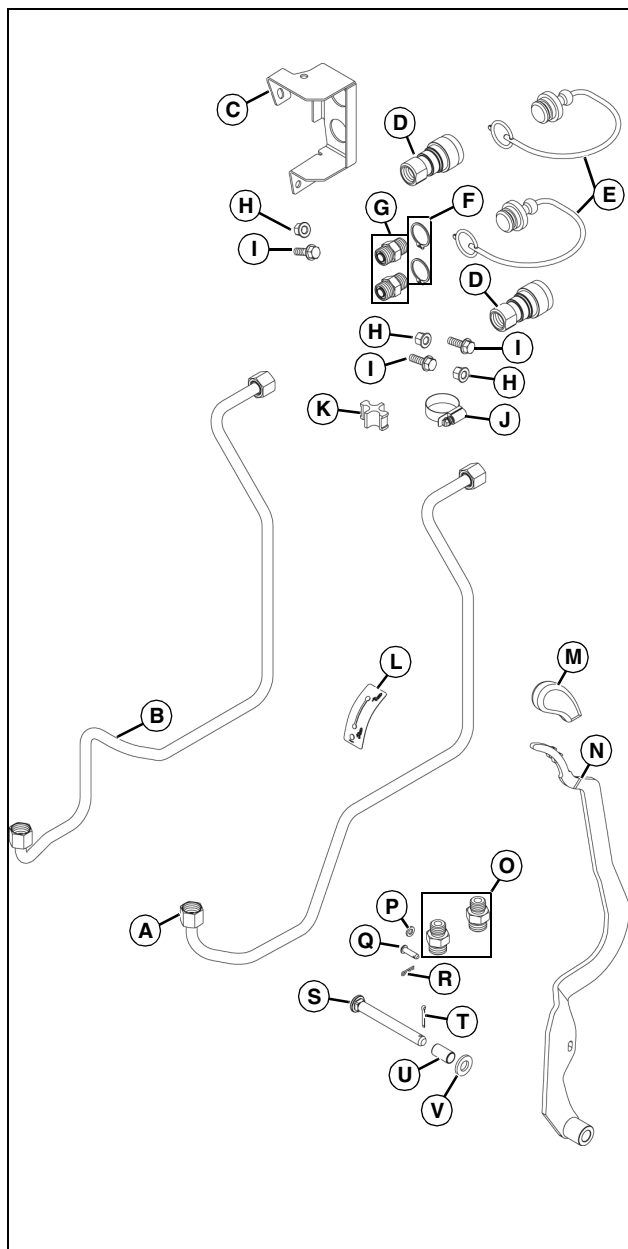
(Includes English, French, German, Spanish and Italian)



JOHN DEERE

### THIRD SCV KIT

#### Parts in Kit



MX12762

Qty.	Description
1	Hydraulic Line (A)
1	Hydraulic Line (B)
1	Bracket, Coupler (C)
2	Coupler, Quick Connect (D)
2	Dust Plug, Green (E)
2	Ring, Snap (F)
2	Adapter, Straight ORFS, 8-8 (G)
3	Locknut, M8 (H)
3	Capscrew, M8 x 25 (I)
1	Clamp (J)
1	Stay, Four Line (K)
1	Decal, Third SCV (L)
1	Knob (M)
1	Control Lever (N)
2	Adapter, Straight ORFS, 8-M18 (O)
1	Washer (P)
1	Pin, Drilled Clevis (Q)
1	Pin, Cotter, Small (R)
1	Pin, Drilled (S)
1	Pin, Cotter, Large (T)
1	Bearing (U)
1	Washer, 6.6 x 12.5 (V)

**NOTE: Retain these installation instructions with your machine operator's manual.**

#### Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage PTO and stop attachments.
3. Lower attachments to the ground.
4. Lock park brake.
5. Stop engine.

6. Remove key.
7. Wait for engine and all moving parts to stop before you leave the operator's station.
8. Close fuel shut-off valve, if your machine is equipped.

## Prepare Machine

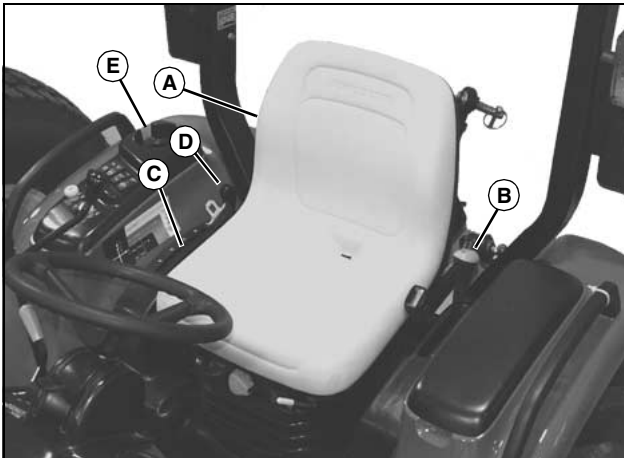
**NOTE:** To install the third SCV kit, a dual SCV kit must already be installed on the machine.



**CAUTION:** Avoid injury! Hydraulic fluid is under pressure. Escaping fluid can penetrate the skin and cause serious injury. Protect hands and body.

- Relieve all pressure before checking hydraulic hoses.
- Search for leaks with a piece of cardboard. Do not use hands to check hoses.
- Tighten all connections before applying pressure.

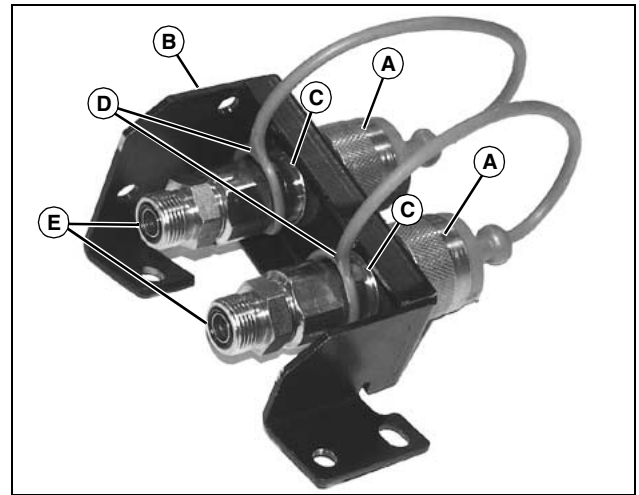
1. Relieve hydraulic pressure from the system by lowering the rockshaft.
2. Remove negative battery cable.



MX12683

3. Remove seat assembly (A), knob (B), seat panel (C) and rockshaft control lever (D).
4. Remove right rear tire.
5. Remove right side fender (E).

## Prepare Coupler Bracket Assembly

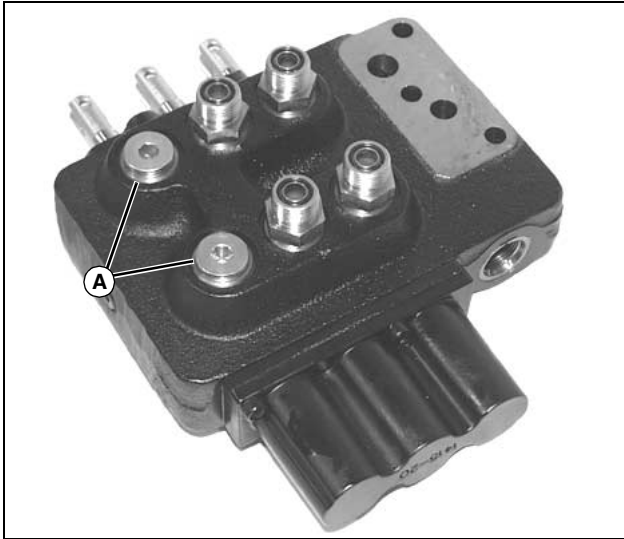


MX12767

1. Install quick connect couplers (A) in coupler bracket (B), and retain with snap rings (C).
2. Install the dust plug ring ends (D) on back of couplers, and the plug ends in the opposite end of couplers.
3. Install an ORFS straight 8-8 adapter (E) in the rear of each quick connect coupler, and tighten to 51-57 N•m (38-42 lb-ft).

## Prepare Dual SCV Valve

**IMPORTANT:** Avoid damage! Use caution not to pinch O-rings when installing threaded fittings. Make sure that O-rings are in place on bottom of ORFS fittings when installing hydraulic lines. Keep all openings free of dirt and contamination.

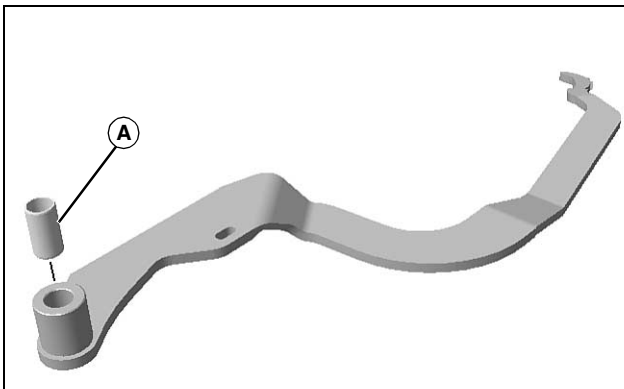


MX12691

**Picture Note:** Dual SCV valve shown removed from machine and inverted for photo clarity. It is not necessary to remove the dual SCV valve for this procedure.

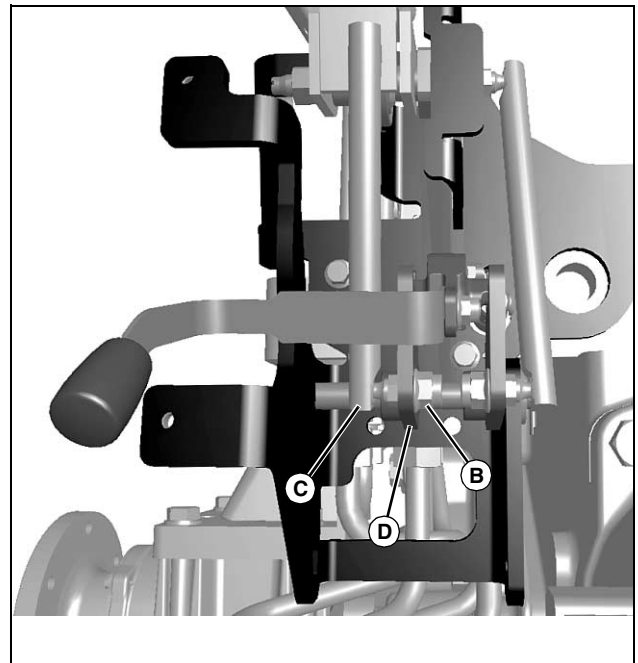
1. Remove O-ring boss plugs (A) from bottom of dual SCV valve.
2. Install a straight 8-M18 ORFS adapter in each port on bottom of dual SCV valve, and tighten to 51-57 N•m (38-42 lb-ft).

## Prepare and Install Control Lever



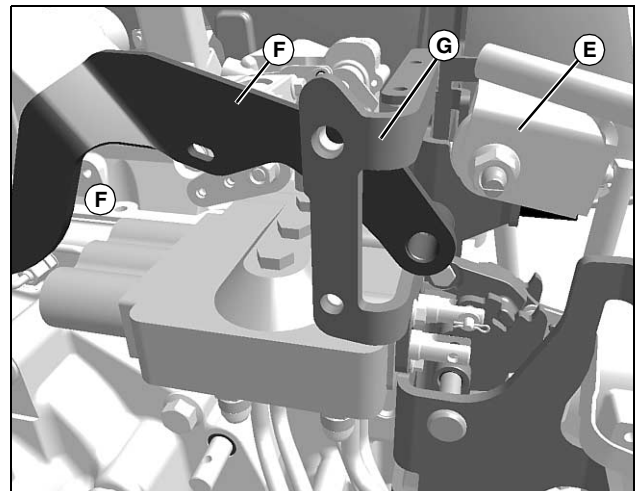
MX30207

1. Install bearing (A) in control lever until bearing edges are flush with shoulders of control lever.



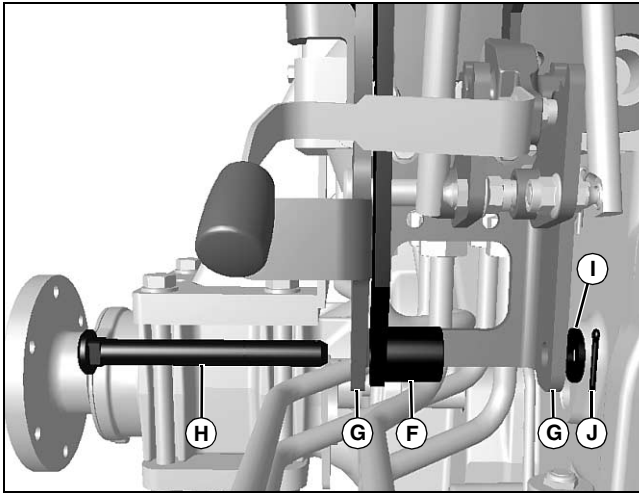
MX30265

2. Remove nut (B) from joystick rod (C), and disconnect joystick rod from bellcrank (D).



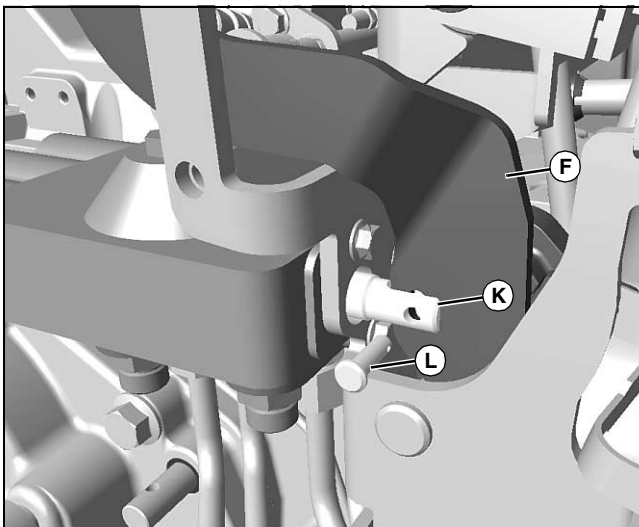
MX30267

3. Move Dual SCV joystick (E) forward to gain clearance, insert lower (pivot) end of Third SCV control lever (F) through the hole in frame cross member (G), as shown.



MX30268

4. Align pivot bushing bore in Third SCV control lever (F) with lower pivot pin holes in frame cross member (G). Insert drilled pin (H) through cross member and control lever and secure with 6.6 x 12.5 mm washer (I) and cotter pin (J).



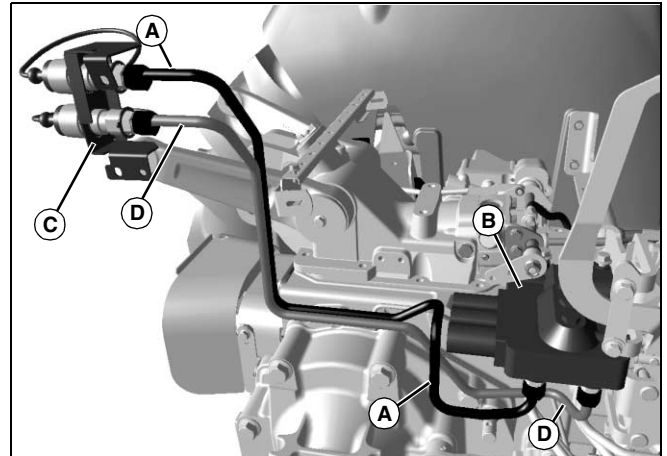
MX30208

5. Align slot in dual SCV valve plunger (K) with Third SCV control lever (F) and move control lever back into slot.
6. Align pin hole in control lever with pin holes in plunger and secure with drilled clevis pin (L), washer and cotter pin.
7. Connect joystick rod to bellcrank and tighten.

## Install Fender, Hydraulic Lines and Coupler Bracket Assembly

1. Install right side fender, removed earlier.

**IMPORTANT: Avoid damage! After installing hydraulic lines, verify that lines do not interfere with any linkage or other moving parts on machine.**

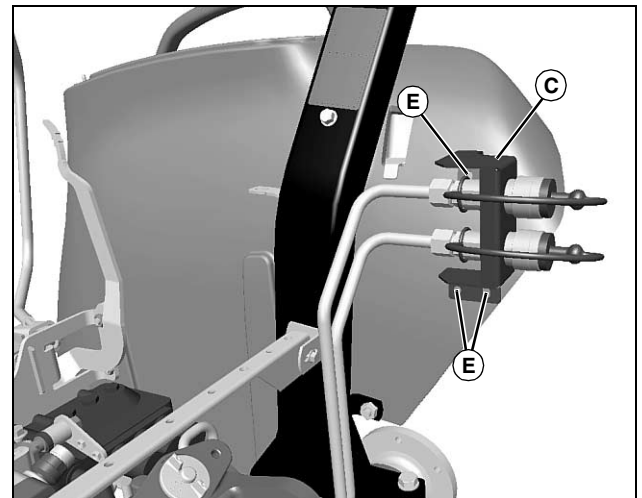


MX30269

**Picture Note: Parts removed for unobstructed view of hydraulic line routing.**

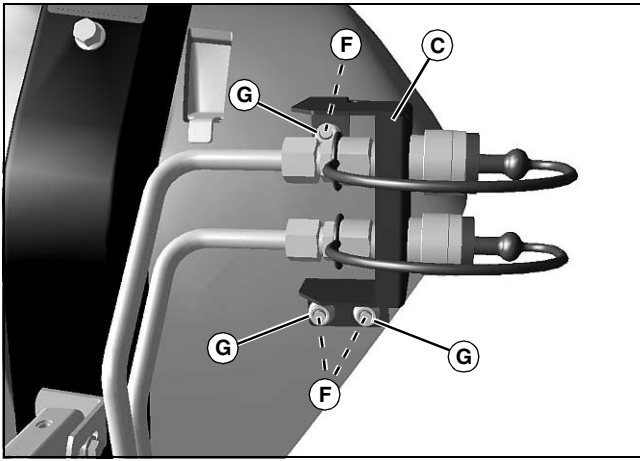
2. Install hydraulic lines and fittings:

- Install and connect hydraulic line (A) to the rear port of the dual SCV valve (B) and the top port on coupler bracket (C). Do not tighten.
- Install and connect hydraulic line (D) to the front port of the dual SCV valve and the bottom port on coupler bracket. Do not tighten.



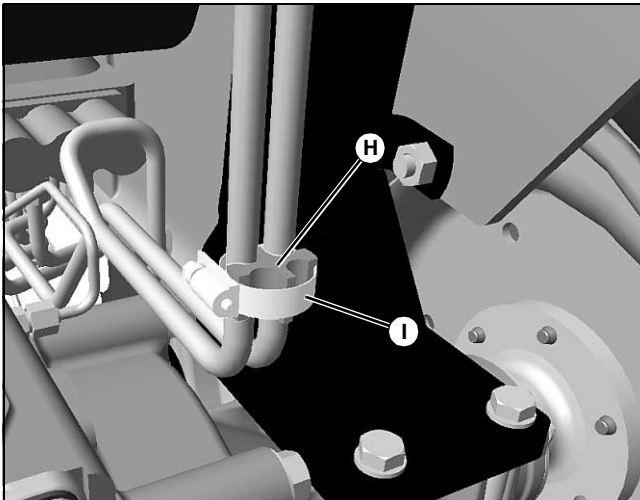
MX30266

3. Position coupler bracket (C) against right side fender and mark fender at three hole locations (E) for drilling.



MX30273

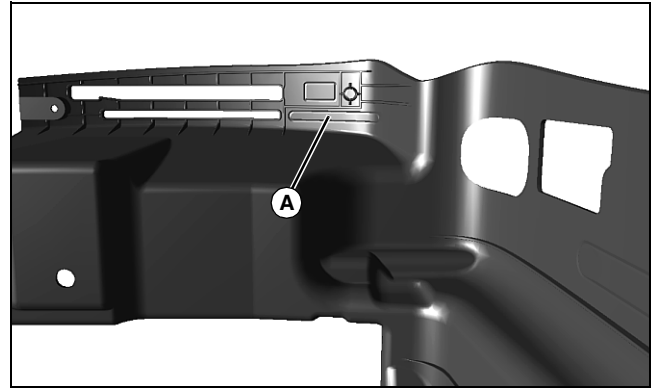
4. Drill three 8 mm (.315 in.) holes and attach coupler bracket assembly (C) to the fender using three M8 x 25 capscrews (F) and M8 nuts (G). Tighten hardware.
5. Tighten hydraulic lines at dual SCV valve and coupler bracket to 51-57 N•m (38-42 lb-ft).



MX30270

6. Install four line stay (H), and secure with worm gear clamp (I).

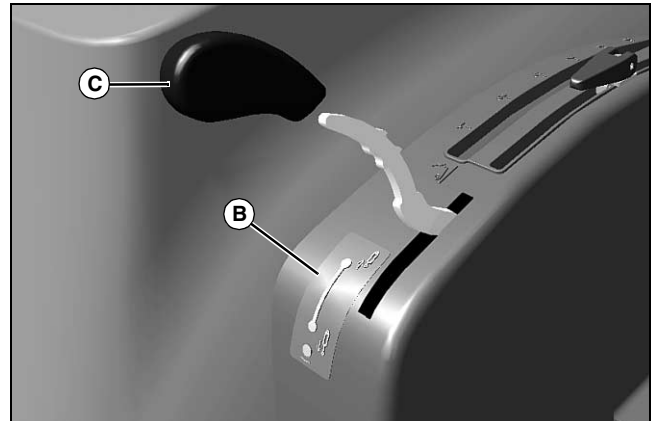
## Prepare Seat Panel and Complete Installation



MX30271

**Picture Note: Underside of right side seat panel shown.**

1. Cut slot to accommodate control lever following the indent (A) in underside of seat panel.
2. Install seat panel and seat assembly.



MX30272

3. Apply Third SCV decal (B) to seat panel next to control lever slot.
4. Install control lever knob (C).
5. Install rockshaft control lever and right rear tire, removed earlier.
6. Connect negative battery cable.



**CAUTION: Avoid injury! Hydraulic fluid is under pressure. Escaping fluid can penetrate the skin and cause serious injury. Protect hands and body.**

- Relieve all pressure before checking hydraulic hoses.
- Search for leaks with a piece of cardboard. Do not use hands to check hoses.
- Tighten all connections before applying pressure.

7. Check hydraulic oil level. Add oil if necessary.

8. Start engine and check for leaks.