

REAR REMOTE VALVE KIT For **Ex2900/Ex3200** ASSEMBLY INSTRUCTIONS

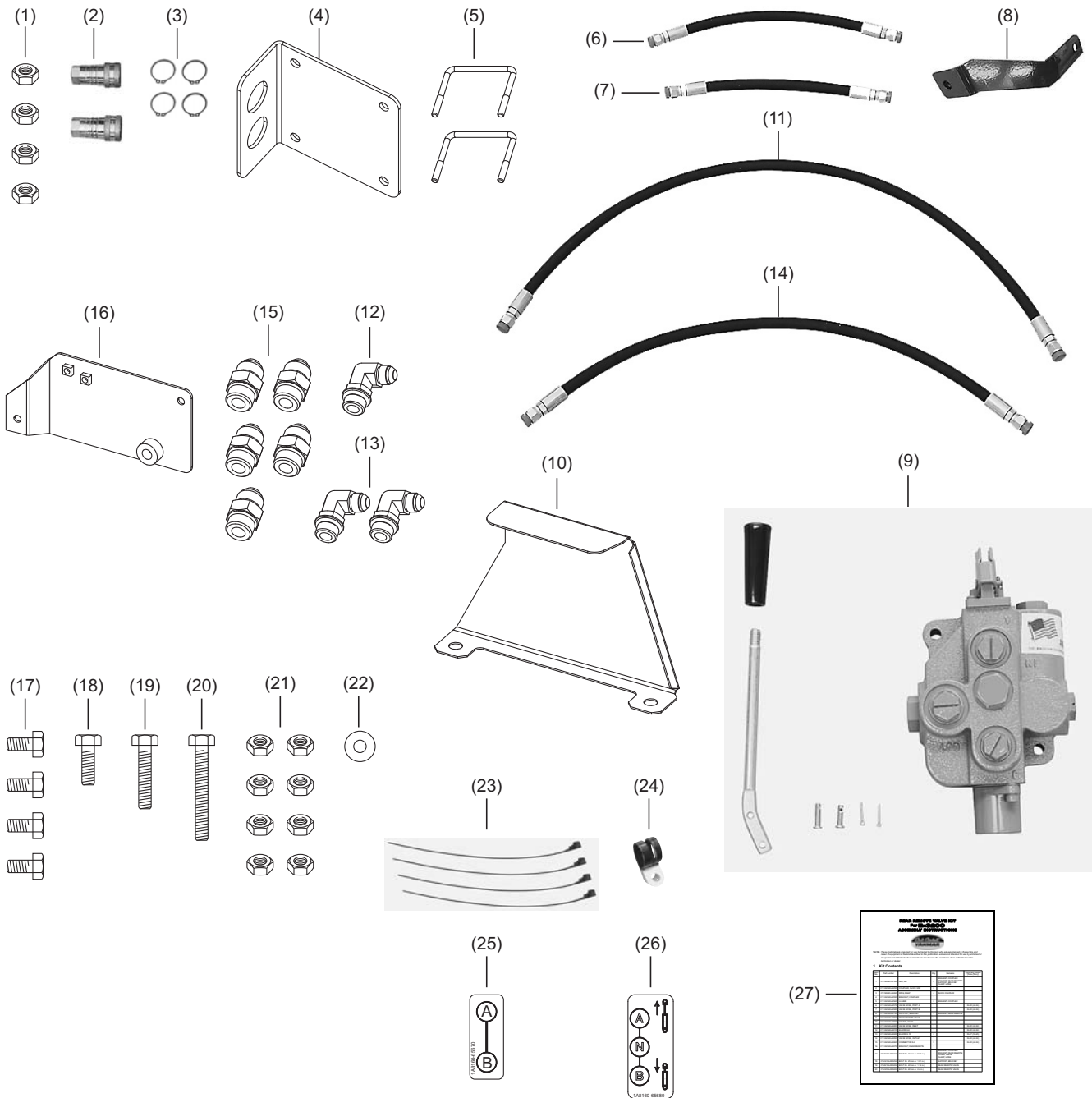


NOTE : *These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.*

1. Kit Contents

| Item No. | Part Number | Description | Q'ty | Remarks | Tightening Torque (ft•lbs (N•m)) |
|----------|-----------------|------------------------------|------|---|----------------------------------|
| 1 | CY-194990-22140 | NUT, M8 | 4 | BRACKET, COUPLER BRACKET, REAR REMOTE SUPPORT, BRACKET CLAMP, HOSE | |
| 2 | CY-1A8160-46250 | COUPLER, QUICK 3/8F | 2 | | |
| 3 | CY-198240-46260 | RING, SNAP | 4 | QUICK COUPLER | |
| 4 | CY-1A8160-46550 | BRACKET, COUPLER | 1 | | |
| 5 | CY-1A8160-46560 | U-BOLT | 2 | BRACKET, COUPLER | |
| 6 | CY-1A8160-46570 | VALVE HOSE, PORT A | 1 | | 32-40 (44-54) |
| 7 | CY-1A8160-46580 | VALVE HOSE, PORT B | 1 | | 32-40 (44-54) |
| 8 | CY-1A8160-46730 | SUPPORT, BRACKET | 1 | BRACKET, REAR REMOTE | |
| 9 | CY-1A8160-46850 | REAR REMOTE VALVE | 1 | | |
| 10 | CY-1A8160-46890 | COVER, VALVE | 1 | | |
| 11 | CY-1A8160-46900 | VALVE HOSE, INLET | 1 | | 32-40 (44-54) |
| 12 | CY-1A8160-46910 | ELBOW 8-8 | 1 | | 32-40 (44-54) |
| 13 | CY-1A8160-46920 | ELBOW 8-10 | 2 | | 39-47 (53-65) |
| 14 | CY-1A8160-46950 | VALVE HOSE, OUTLET | 1 | | 32-40 (44-54) |
| 15 | CY-1A8160-46960 | CONNECTOR 8-8 | 5 | | 32-40 (44-54) |
| 16 | CY-1A8160-46970 | BRACKET, REAR REMOTE | 1 | | |
| 17 | CY-26106-080162 | BOLT 8 × 16 mm (L: 0.64 in.) | 4 | BRACKET, COUPLER BRACKET, REAR REMOTE COVER, VALVE CLAMP, HOSE | |
| 18 | CY-26106-080252 | BOLT 8 × 25 mm (L: 1.01 in.) | 1 | SUPPORT, BRACKET | |
| 19 | CY-26106-080402 | BOLT 8 × 40 mm (L: 1.16 in.) | 1 | REAR REMOTE VALVE | |
| 20 | CY-26106-080602 | BOLT 8 × 60 mm (L: 2.4 in.) | 1 | REAR REMOTE VALVE | |

| Item No. | Part Number | Description | Q'ty | Remarks | Tightening Torque (ft•lbs (N•m)) |
|----------|-----------------|----------------------------------|------|------------------------|----------------------------------|
| 21 | CY-26717-080002 | NUT, 8 | 8 | U-BOLT | |
| 22 | CY-22157-080000 | WASHER, 8 | 1 | SUPPORT, BRACKET | |
| 23 | CY-29622-250001 | CABLE TIE | 4 | VALVE HOSE (IN/OUTLET) | |
| 24 | CY-1A8160-46590 | CLAMP, HOSE | 1 | VALVE HOSE (INLET) | |
| 25 | CY-1A8160-65670 | LABEL, REAR REMOTE VALVE PORT 1 | 1 | ROPS | |
| 26 | CY-1A8160-65680 | LABEL, REAR REMOTE VALVE LEVER 1 | 1 | FENDER (R) | |
| 27 | CY-0F041-U01200 | ASSEMBLY INSTRUCTIONS | 1 | | |



2. Preparation for Assembly

CAUTION

- When intending to jack up the tractor, select a solid, flat ground. Use a jack with a sufficient capacity to support the tractor and use the rigid stand.

1. Park the tractor safely and securely and then place chocks before and after the front and rear wheels (a total of 8 pos.).

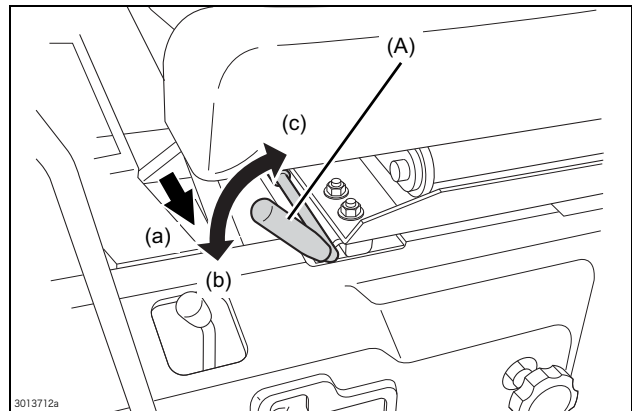
(A) Chocks



2. Swing down the seat adjustment lever to the release end. Then, slide the seat fully forward.

(A) Seat adjustment lever

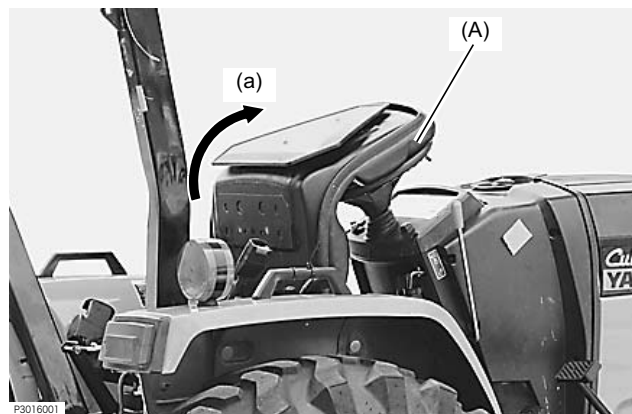
- (a) Slide forward.
- (b) Lock.
- (c) Release.



3. Raise the seat.

(A) Seat

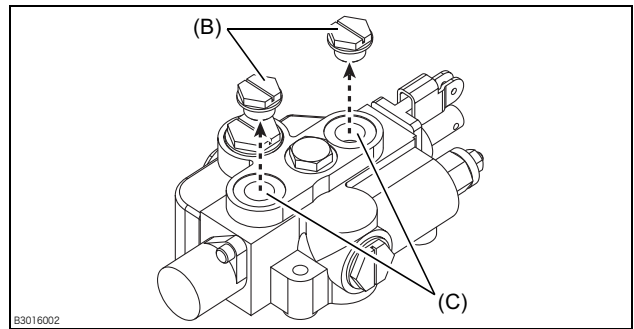
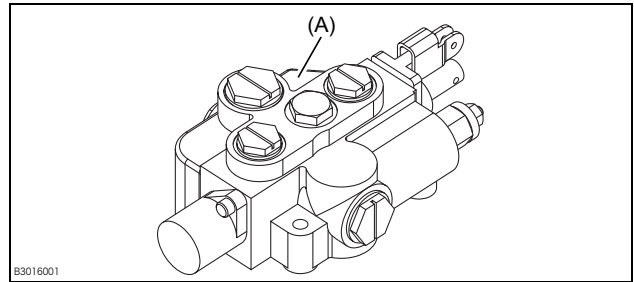
- (a) Raise.



3. Installation of Rear Remote Valve

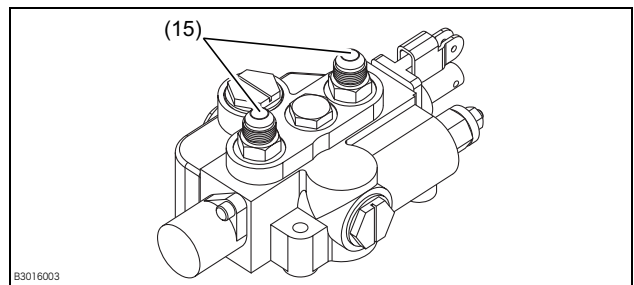
1. Remove the port cover of the rear remote valve.

- (A) Rear remote valve
- (B) Port cover
- (C) Port



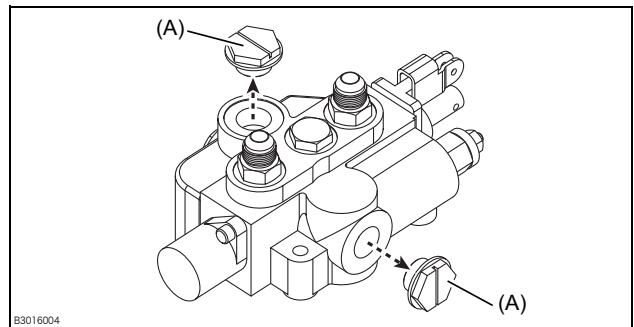
2. Apply oil to the port of rear remote valve, and install the connector 8-8 to the port.

| Kit Contents Ref. # | Parts to be installed |
|---------------------|---------------------------|
| No. 15 | CONNECTOR 8-8..... 2 pcs. |



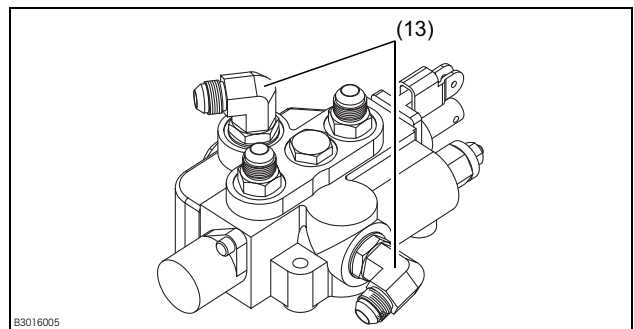
3. Remove the port cover of the rear remote valve.

- (A) Port cover



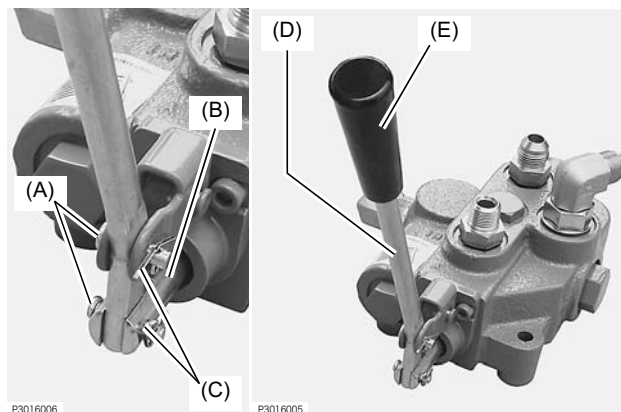
4. Apply oil to the port of rear remote valve, and install the elbow 8-10 to the port and hand-tighten.

| Kit Contents Ref. # | Parts to be installed |
|---------------------|------------------------|
| No. 13 | ELBOW 8-10..... 2 pcs. |



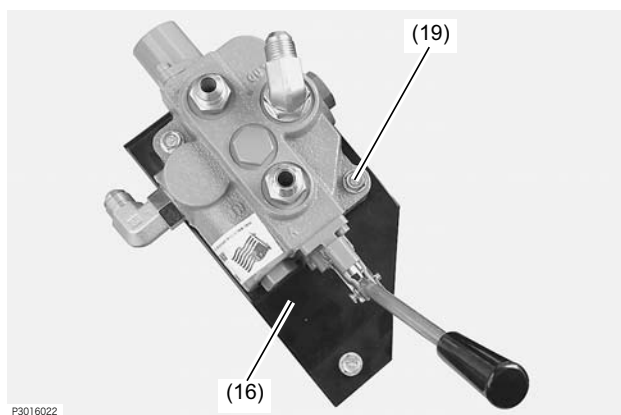
5. Install the knob to the control lever, and install the control lever to the valve spool on the rear remote valve with two flat head pins. Then, secure the installed control lever with two cotter pins.
- * Use the shorter pin in the upper position and the longer pin in the lower position.

- (A) Flat head pin
- (B) Valve spool
- (C) Cotter pin
- (D) Control lever
- (E) Knob



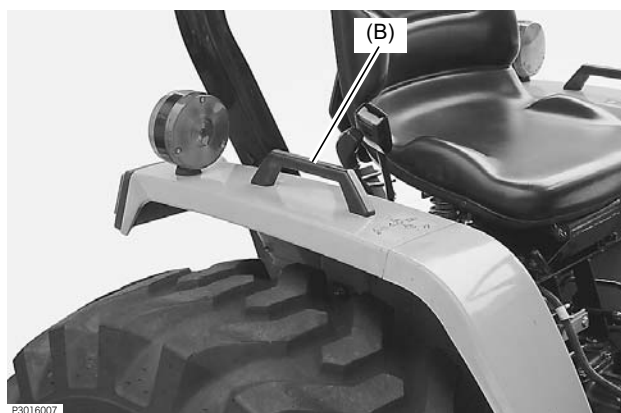
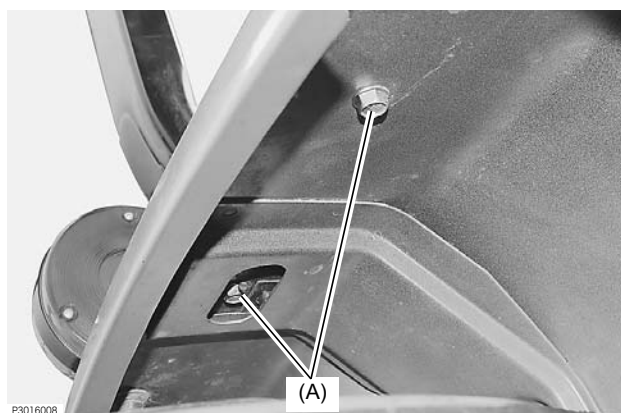
6. Install the rear remote valve to the rear remote bracket with a bolt.

| Kit Contents Ref. # | Parts to be installed |
|---------------------|----------------------------------|
| No. 16 | BRACKET, REAR REMOTE 1 pc. |
| No. 19 | BOLT, 8 × 40 1 pc. |



7. Remove the two bolts on the right fender, and then remove the handle.

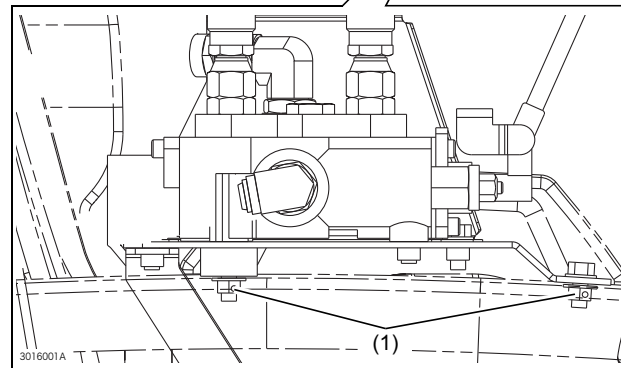
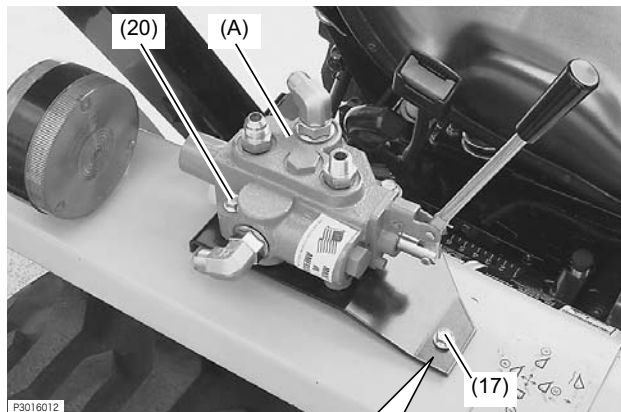
- (A) Bolt
- (B) Handle



- Attach the rear remote valve using handle mounting holes, and then secure it with the bolt 8×16 , bolt 8×60 and nut M8.

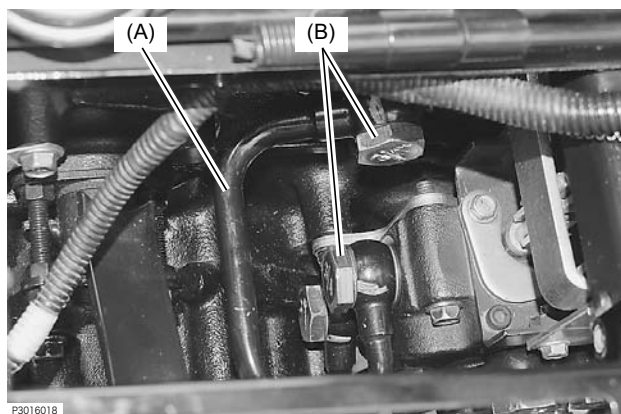
| Kit Contents Ref. # | Parts to be installed |
|---------------------|---------------------------------|
| No. 1 | NUT, M8 2 pcs. |
| No. 17 | BOLT, 8×16 1 pc. |
| No. 20 | BOLT, 8×60 1 pc. |

(A) Rear remote valve



- Remove the two banjo bolts on the port situated in the lower right below the seat, and then remove the HP pipe. (Do not reuse the removed parts.)

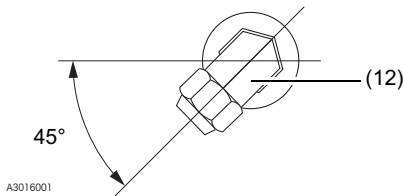
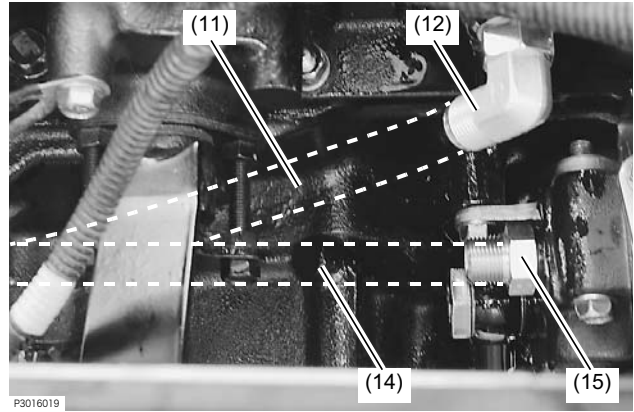
(A) HP pipe
(B) Banjo bolt



10. Install the elbow 8-8 to the upper port of the hydraulic cylinder case, and install the connector 8-8 to the upper port of the implement control valve.
 Install the inlet hose valve to the elbow 8-8, and install the outlet hose valve to the connector 8-8.

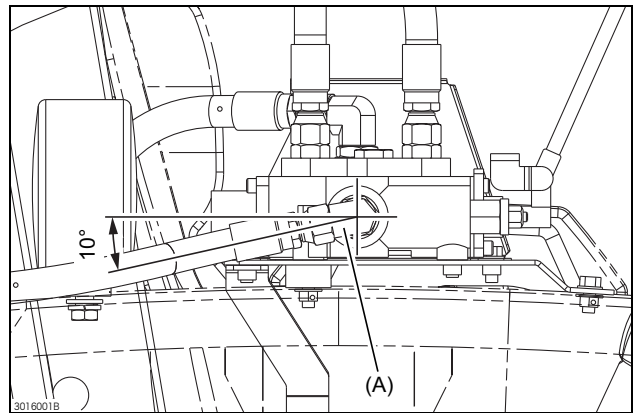
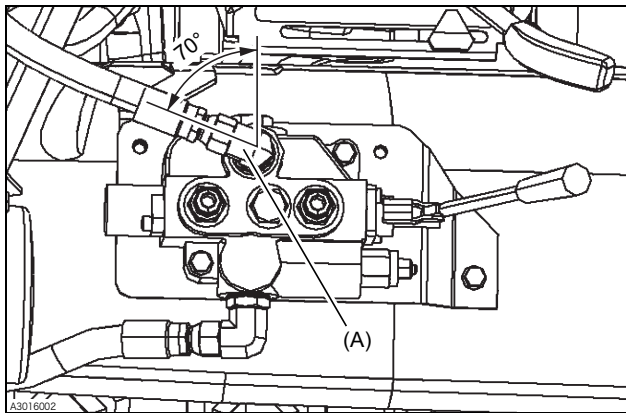
[NOTES]

- Be fully sure of the correct orientation of the elbow 8-8 when installing it.
- Before installing the inlet hose valve to the elbow 8-8, be sure to situate the hose inside the Roll-Over Protective Structure (ROPS). Only then, install the inlet hose valve, and route the hose outside the Roll-Over Protective Structure (ROPS) and connect to the rear remote valve.



| Kit Contents Ref. # | Parts to be installed |
|---------------------|--------------------------------|
| No. 11 | VALVE HOSE, INLET 1 pc. |
| No. 12 | ELBOW 8-8..... 1 pc. |
| No. 14 | VALVE HOSE, OUTLET 1 pc. |
| No. 15 | CONNECTOR 8-8..... 1 pc. |

11. Orient the elbow as shown below, and fully tighten it.



(A) Elbow 8-10

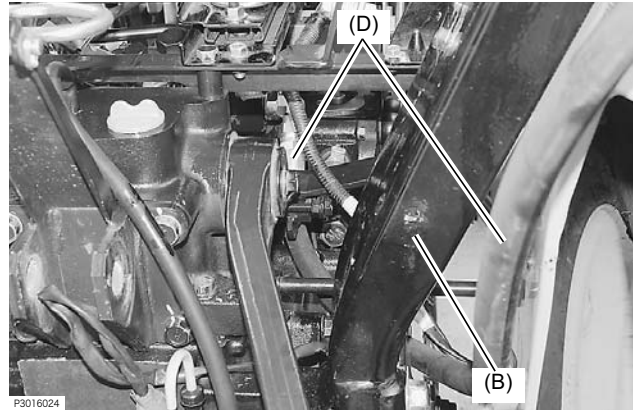
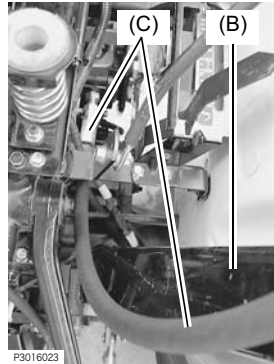
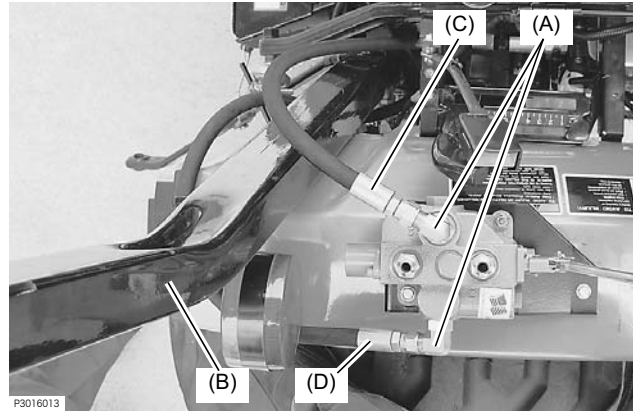
12. Install the inlet valve hose and outlet valve hose to the elbow 8-10 on the rear remote valve. As shown in the photos, run the inlet valve hose along the left side of the Roll-Over Protective Structure (ROPS) to the lower right area below the seat and the outlet valve hose along the right side of the Roll-Over Protective Structure (ROPS) to the lower right area below the seat.

(A) Elbow 8-10

(B) Roll-Over Protective Structure (ROPS)

(C) Outlet valve hose

(D) Inlet valve hose



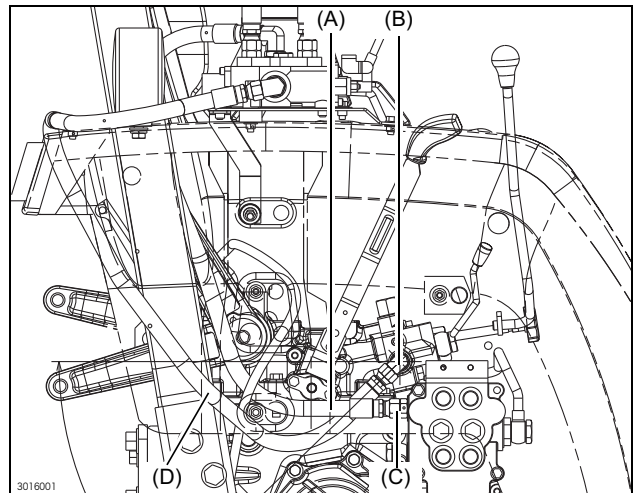
13. Install the inlet valve hose to the elbow 8-8 in the IN-side, and install the outlet valve hose to the connector 8-8 in the OUT-side.

(A) Outlet valve hose

(B) Elbow 8-8

(C) Connector 8-8

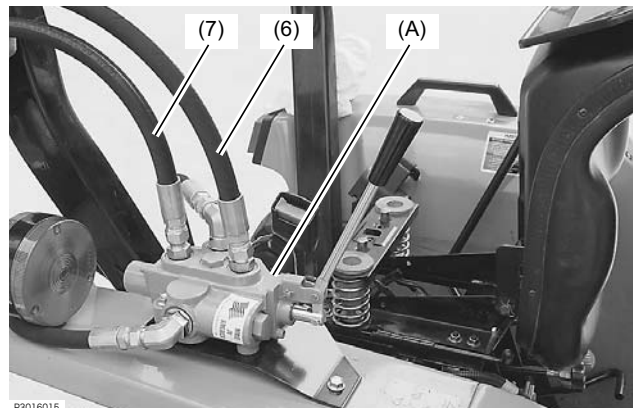
(D) Inlet valve hose



14. Install the port A valve hose and port B valve hose to the rear remote valve.

| Kit Contents Ref. # | Parts to be installed |
|---------------------|--------------------------------|
| No. 6 | VALVE HOSE, PORT A 1 pc. |
| No. 7 | VALVE HOSE, PORT B 1 pc. |

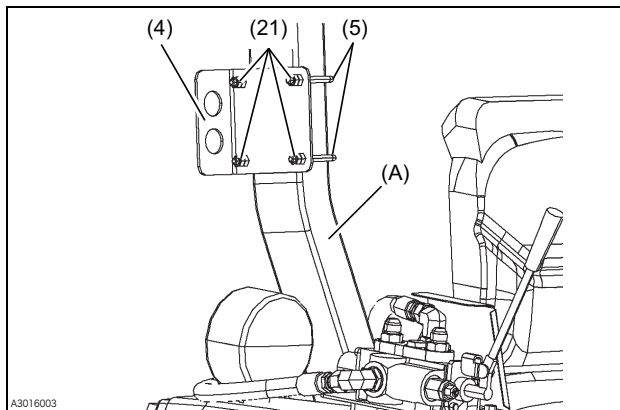
(A) Rear remote valve



15. Temporarily install the coupler bracket to the Roll-Over Protective Structure (ROPS) by using two U-bolts and four nuts 8 (use two nuts for each U-bolt).

| Kit Contents Ref. # | Parts to be installed |
|---------------------|------------------------------|
| No. 4 | BRACKET, COUPLER 1 pc. |
| No. 5 | U-BOLT 2 pcs. |
| No. 21 | NUT, 8 8 pcs. |

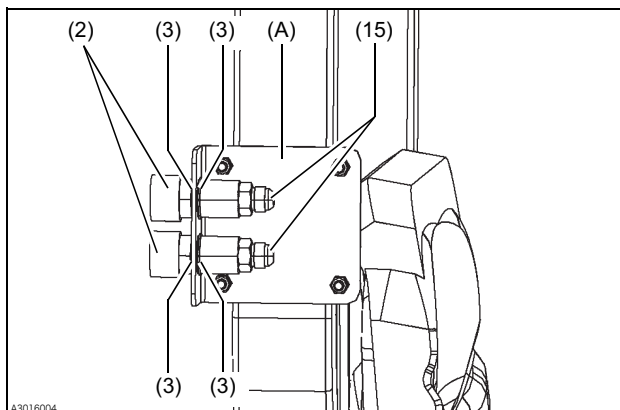
(A) Roll-Over Protective Structure (ROPS)



16. Thread the quick couplers 3/8F through the coupler bracket that was temporarily installed to the Roll-Over Protective Structure (ROPS), and secure the quick coupler with snap rings (use two snap rings to secure one coupler). Install the connector 8-8 to the quick coupler 3/8F.

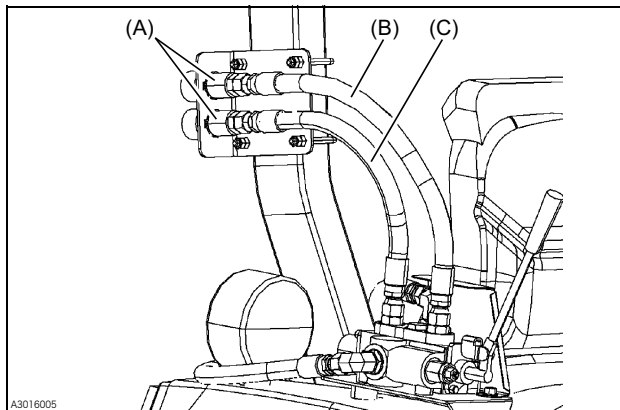
| Kit Contents Ref. # | Parts to be installed |
|---------------------|----------------------------------|
| No. 2 | COUPLER, QUICK 3/8F 2 pcs. |
| No. 3 | RING, SNAP 4 pcs. |
| No. 15 | CONNECTOR 8-8 2 pcs. |

(A) Coupler bracket



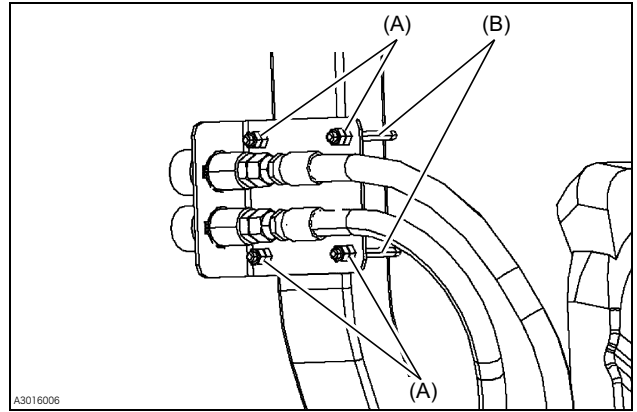
17. Install the port A valve hose to the upper quick coupler 3/8F and the port B valve hose to the lower quick coupler 3/8F.

- (A) Quick coupler 3/8F
- (B) Port A valve hose
- (C) Port B valve hose



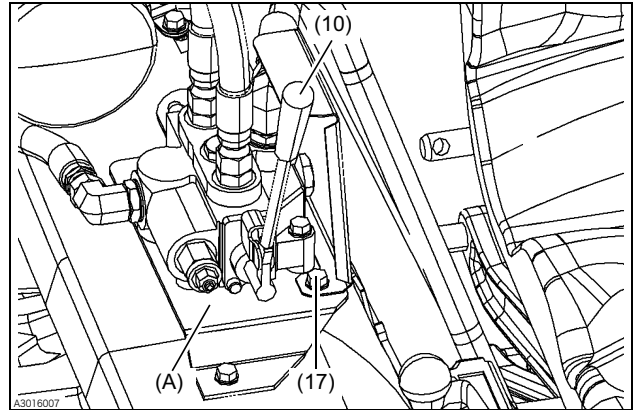
18. Fully tighten the nuts M8 to secure the coupler bracket to the Roll-Over Protective Structure (ROPS).

- (A) Nut M8
- (B) U-bolt



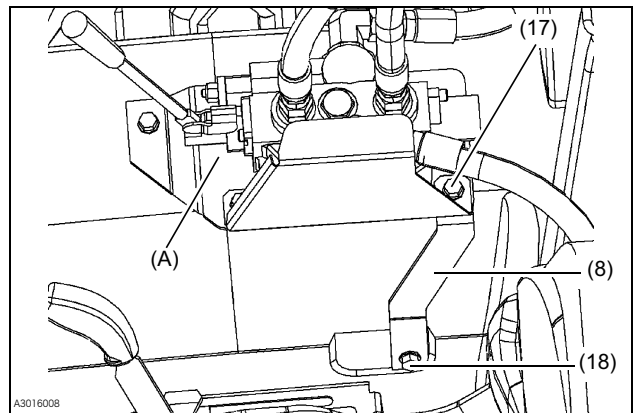
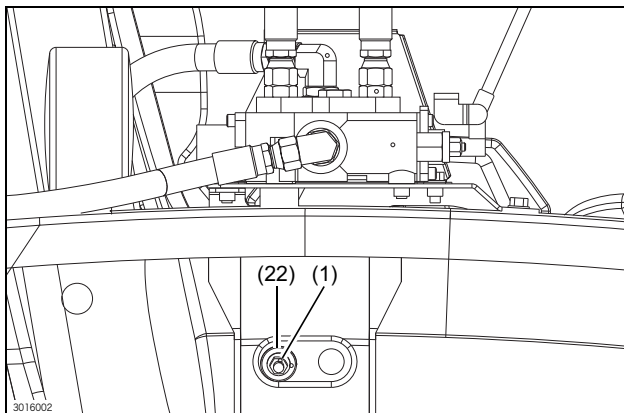
19. Install the valve cover to the rear remote bracket with the bolt 8 × 16, and secure the valve cover together with the cover bracket support by using the bolt 8 × 16.

Install the bracket support to the fender by using the bolt 8 × 25, nut M8 and washer 8.

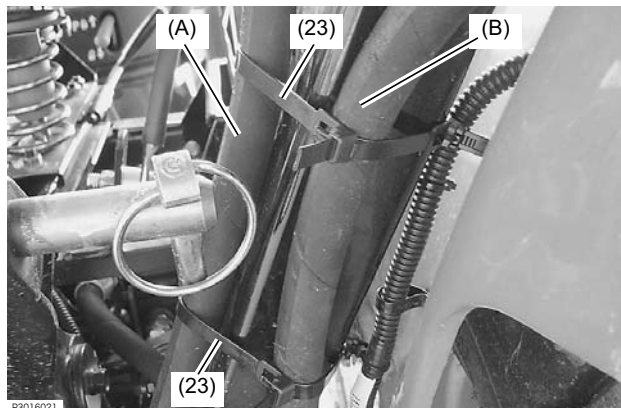
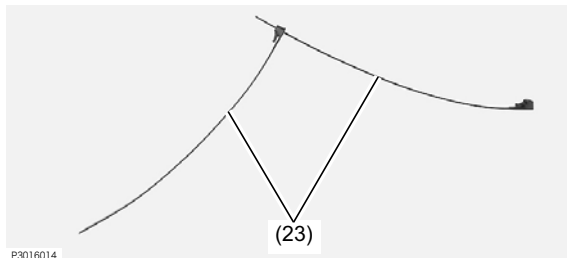


| Kit Contents Ref. # | Parts to be installed |
|---------------------|------------------------------|
| No. 1 | NUT, M8 1 pc. |
| No. 8 | SUPPORT, BRACKET 1 pc. |
| No. 10 | COVER, VALVE 1 pc. |
| No. 17 | BOLT, 8 × 16 1 pc. |
| No. 18 | BOLT, 8 × 25 1 pc. |
| No. 22 | WASHER, 8 1 pc. |

(A) Rear remote bracket

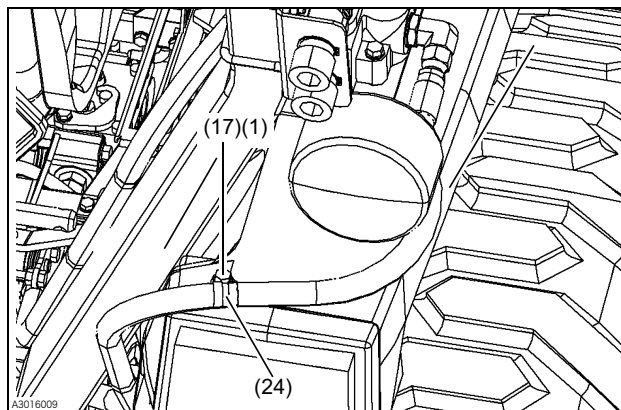


20. Secure the inlet valve hose and outlet valve hose with the cable ties and hose clamp. Make sure that these components do not interfere with rotating components such as the lift arm.



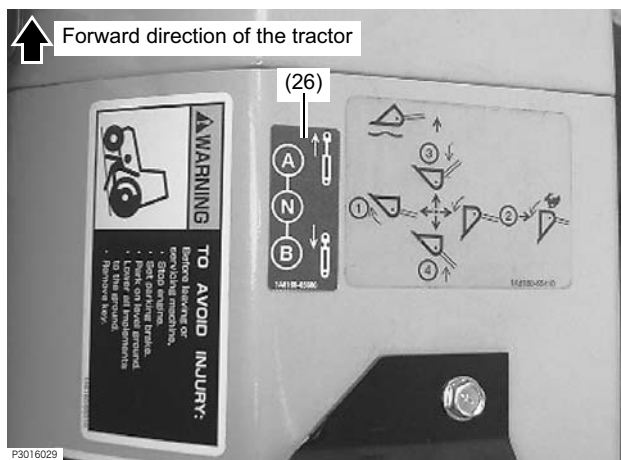
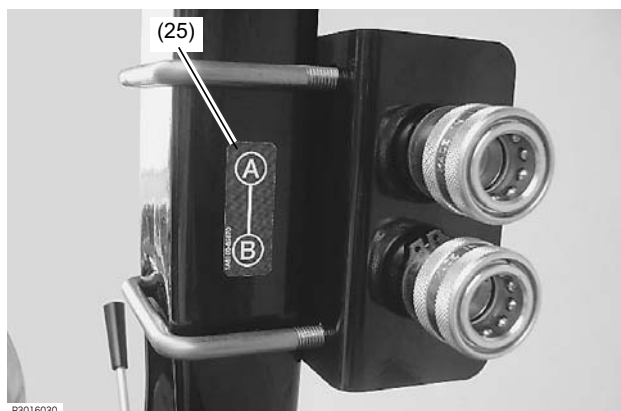
| Kit Contents Ref. # | Parts to be installed |
|---------------------|--------------------------|
| No. 1 | NUT, M8 1 pc. |
| No. 17 | BOLT, 8 × 16 1 pc. |
| No. 23 | CABLE TIE..... 4 pcs. |
| No. 24 | CLAMP, HOSE..... 1 pc. |

(A) Outlet valve hose
(B) Inlet valve hose



21. Attach the labels to the two locations shown in the diagram.

| Kit Contents Ref. # | Parts to be installed |
|---------------------|--|
| No. 25 | LABEL, REAR REMOTE VALVE PORT 1..... 1 pc. |
| No. 26 | LABEL, REAR REMOTE VALVE LEVER 1... 1 pc. |

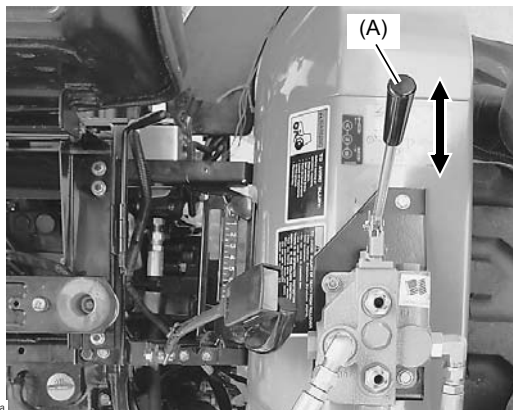


↑ Forward direction of the tractor

22. Move the control lever through the full range of travel.

Check the valve and fittings for leakage.

(A) Control lever



P3016013a

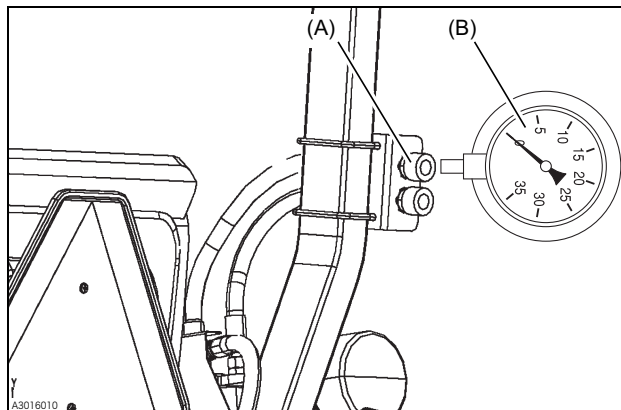
23. Connect the hydraulic pressure tester to the quick coupler and check that the hydraulic pressure is at the standard level. If the hydraulic pressure is lower than the standard level, inspect the piping connections and make correction as necessary.

Then, recheck the hydraulic pressure.

| | |
|-----------------------------|--|
| Standard hydraulic pressure | 1975 to 2115 psi (13.6 to 14.6 MPa) |
|-----------------------------|--|

(A) Quick coupler

(B) Hydraulic pressure tester



A3016010

If the standard hydraulic pressure is not reached, contact your nearest Cub Cadet Yanmar dealer for technical assistance.

Cub Cadet Yanmar LLC.
P.O. Box 361052
Cleveland, OH 44136-1052

Version 1.0
KIT: 0F041-U01200