

tm1717 - 5310N and 5510N Tractors Diagnostic and Repair Technical Manual Specifications

Specifications

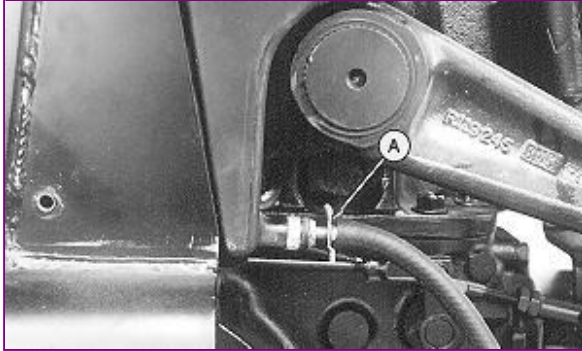
Item	Measurement	Specification
Rear Bar Plate Cap Screw (Without Cab)	Torque	320 N·m (236 lb-ft)
Fuel Tank Cap Screw	Torque	20 N·m (15 lb-ft)
Rear Bar Nut (With Cab)	Torque	203 N·m (150 lb-ft)
Rear Bar Mounting Cap Screw (With Cab)	Torque	240 N·m (177 lb-ft)

OUC1020,0001159-19-03MAY01

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Remove and Install Rear Bar-Without Cab

Remove and Install Rear Bar-Without Cab



1. LV678-UN: Fuel Tank Drain Hose

LEGEND:

A - Drain Valve

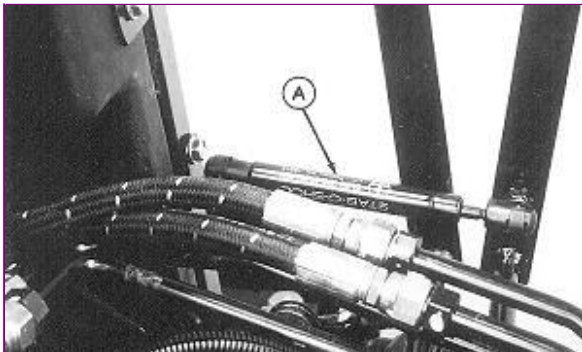
Disconnect battery, negative (-) cable first.

2. Remove fenders. (See [Remove and Install Fenders](#) in Section 80, Group 15.)

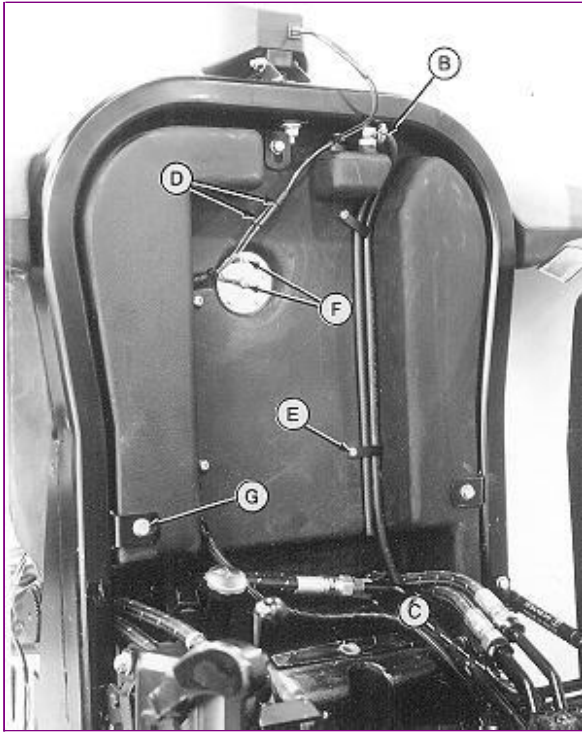
3. **NOTE:**

Approximate capacity of fuel tank is 64 L (17.0 U.S. gal).

Connect drain hose to drain valve (A) and drain fuel tank.



4. LV680-UN: PTO Lever Damper



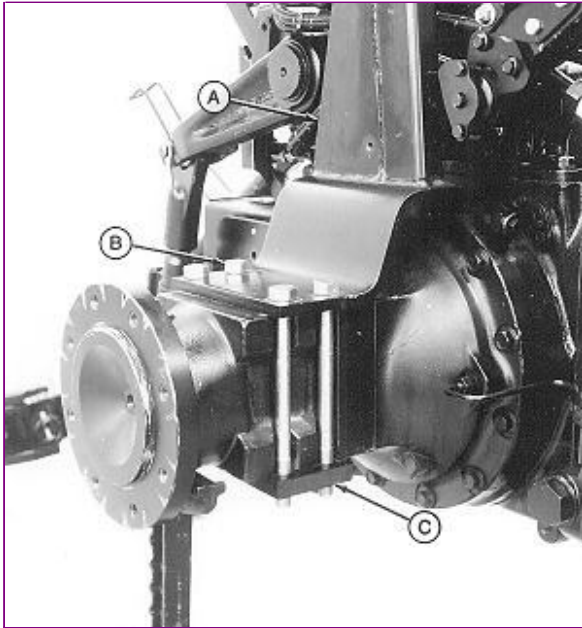
LV681-UN: Wire Connectors

LEGEND:

- A - PTO Lever Damper
- B - Fuel Hose
- C - Fuel Hose
- D - Wiring Connectors
- E - Clamps
- F - Wiring Lead
- G - Cap Screw

Remove PTO lever damper (A) from rear bar.

5. Disconnect fuel hoses (B and C). Close all openings using caps or plugs.
 6. Disconnect wires (D) from rear flood light.
 7. Loosen four clamps (E).
 8. Tag and disconnect wiring leads (F) from fuel level sender.
 9. Remove three cap screws (G).
 10. Remove fuel tank from rear bar.
-



11. LV682-UN: Rear Bar

LEGEND:

- A - Rear Bar
- B - Cap Screw (4 used)
- C - Plate

Attach a suitable lifting device to rear bar (A).

12. Remove four cap screws (B) and plate (C).
13. Repeat procedure for opposite side. Remove rear bar.

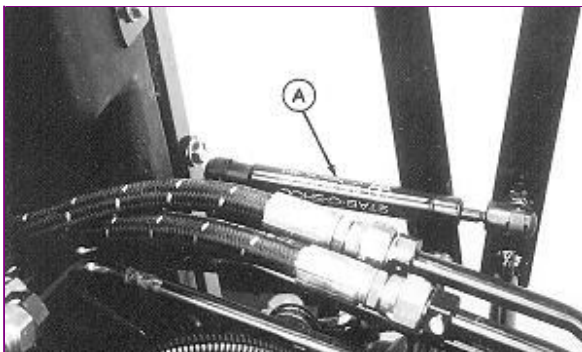
14. **NOTE:**

Remove rear flood light if rear bar replacement is necessary.

Inspect all parts for damage. Replace as necessary.

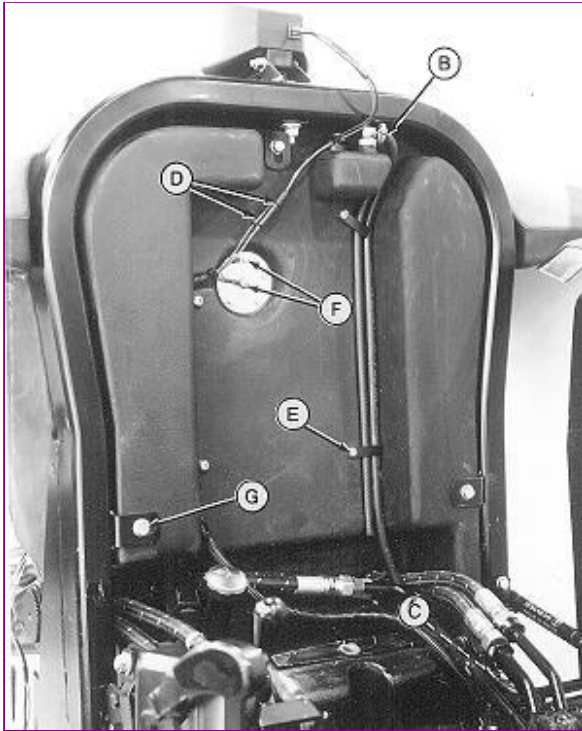
15. Install rear bar (A).
16. Install plate (C) and cap screws (B). Tighten cap screws to specification.

Item	Measurement	Specification
Rear Bar Plate Cap Screw (Without Cab)	Torque	320 N·m (236 lb-ft)



17.

LV680-UN: PTO Lever Damper



LV681-UN: Wire Connectors

LEGEND:

- A - PTO Lever Damper
- B - Fuel Hose
- C - Fuel Hose
- D - Wiring Connectors
- E - Clamps
- F - Wiring Lead
- G - Cap Screw

Install fuel tank and cap screws (G). Tighten cap screws to specification.

Item	Measurement	Specification
Fuel Tank Cap Screw	Torque	20 N·m (15 lb-ft)

18. Connect wiring leads (F).
19. Connect wires (D) to rear flood light.
20. Connect fuel hoses (B and C).
21. Tighten clamps (E) and install damper (A).
22. Install fenders.
23. Fill fuel tank with proper grade of fuel. (See [Diesel Fuel Specifications](#) in Section 10, Group 20.)
24. Connect battery, negative (–) last.

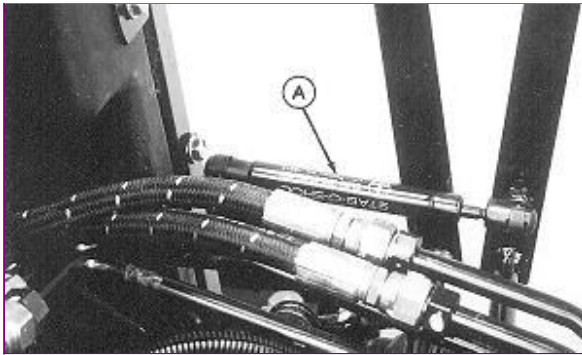
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Remove and Install Rear Bar-With Cab

Remove and Install Rear Bar-With Cab

1. **NOTE:**

Removal of cab floor plates is not necessary.



LV680-UN: Damper

LEGEND:

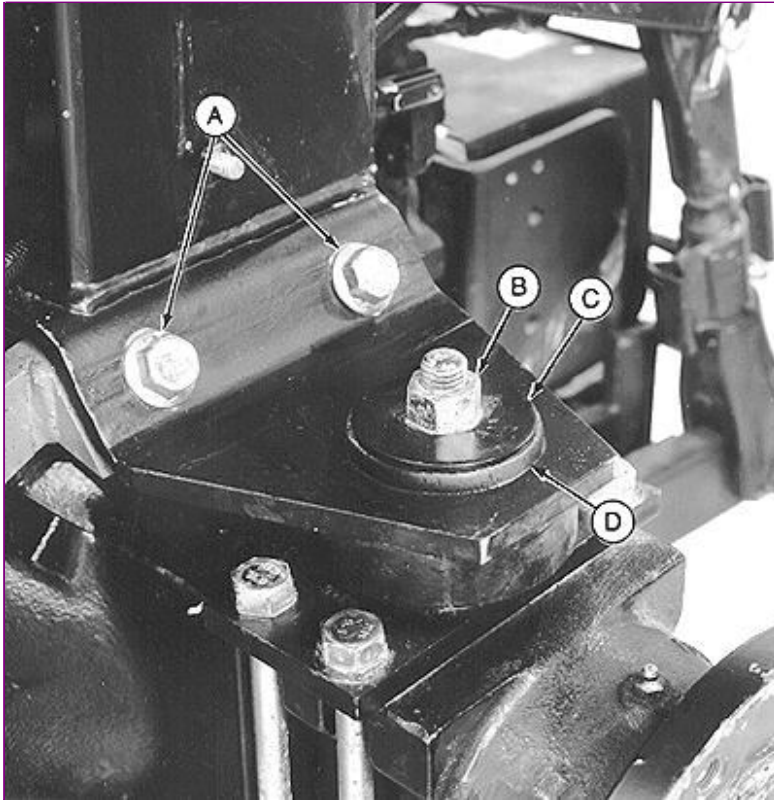
A - Damper

Remove cab. (See [Remove Cab and Floor Plates](#) in Group 20.)

2. Remove fenders. (See [Remove and Install Fenders](#) in Section 80, Group 15.)
3. Remove fuel tank. (See [Remove, Inspect, and Install Fuel Tank-Tractors With Cab](#) in Section 30, Group 05.)
4. **NOTE:**

Seat and SCV cover removed for illustration purposes only.

Remove PTO lever damper (A) from rear bar.



5. LV1806-UN: Rear Bar

LEGEND:

- A - Cap Screw (2 used)
- B - Nut
- C - Flat Washer
- D - Rubber Washer

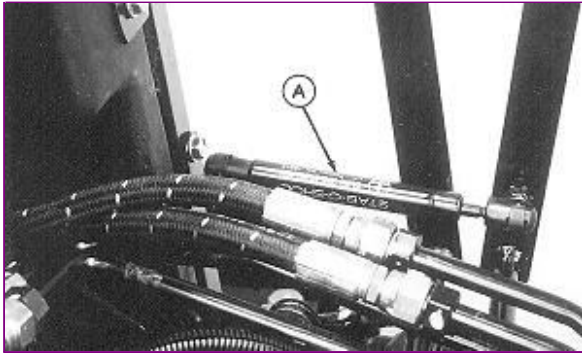
Attach a suitable lifting device to rear bar.

6. Remove two cap screws (A).
7. Remove nut (B), flat washer (C), and rubber washer (D).
8. Repeat procedure for opposite side. Remove rear bar.
9. Inspect all parts for damage. Replace as necessary.
10. Install rear bar.
11. Install rubber washer (D), flat washer (C), and nut (B) on both sides of tractor. Tighten nuts (B) to specification.

Item	Measurement	Specification
Rear Bar Nut (With Cab)	Torque	203 N·m (150 lb-ft)

12. Install cap screws (A) on both sides of rear bar. Tighten to specification.

Item	Measurement	Specification
Rear Bar Mounting Cap Screw (With Cab)	Torque	240 N·m (177 lb-ft)



13. LV680-UN: Damper

LEGEND:

A - Damper

Install fuel tank. (See [Remove, Inspect, and Install Fuel Tank-Tractors With Cab](#) in Section 30, Group 05.)

14. Install cab. (See [Install Cab and Floor Plates](#) in Group 20.)
15. Install damper (A).
16. Install fenders. (See [Remove and Install Fenders](#) in Section 80, Group 15.)

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Specifications

Item	Measurement	Specification
Cab Floor Plate Cap Screw	Torque	240 N·m (177 lb-ft)
Transmission Cover Cap Screw	Torque	28 N·m (21 lb-ft)
Cab Mounting Bolt	Torque	203 N·m (150 lb-ft)
Cab-to-Rear Bar Cap Screw	Torque	225 N·m (166 lb-ft)
Lower Window Mounting Nut	Torque	1.5 N·m (13.3 lb-in.)
Rear Side Window Screw and Lock Nut	Torque	1.5 N·m (13.3 lb-in.)
Windshield Nut	Torque	1.5 N·m (13.3 lb-in.)
Cab Door Hinge Cap Screws	Torque	10 N·m (89 lb-in.)

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Other Material

Other Material

Number	Name	Use
R36757 (U.S.)	John Deere Filter Element Cleaner	Used to clean cab fresh air filter.

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Essential Tools

Essential Tools

NOTE:

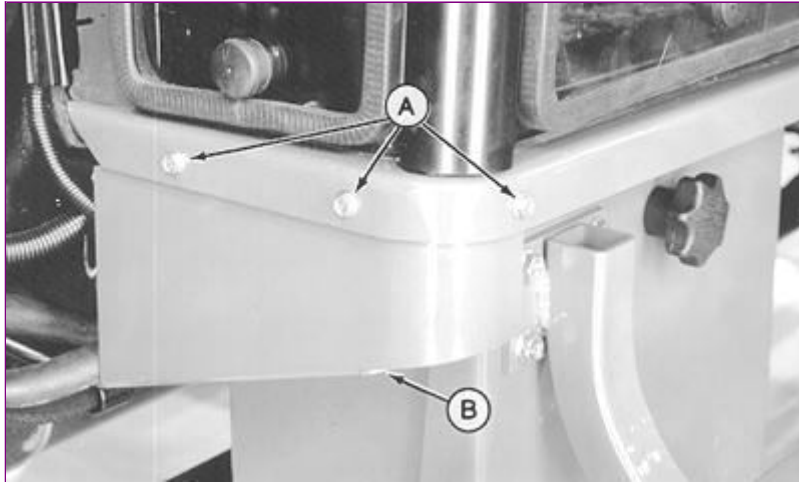
Order tools according to information given in the U.S. SERVICEGARD™ Catalog or from the European Microfiche Tool Catalog (MTC).

Cab Lifting Bar.....JDG1580
To remove and install cab.

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Remove Cab and Floor Plates

Remove Cab and Floor Plates



1. LV1880-UN: Crop Guard

LEGEND:

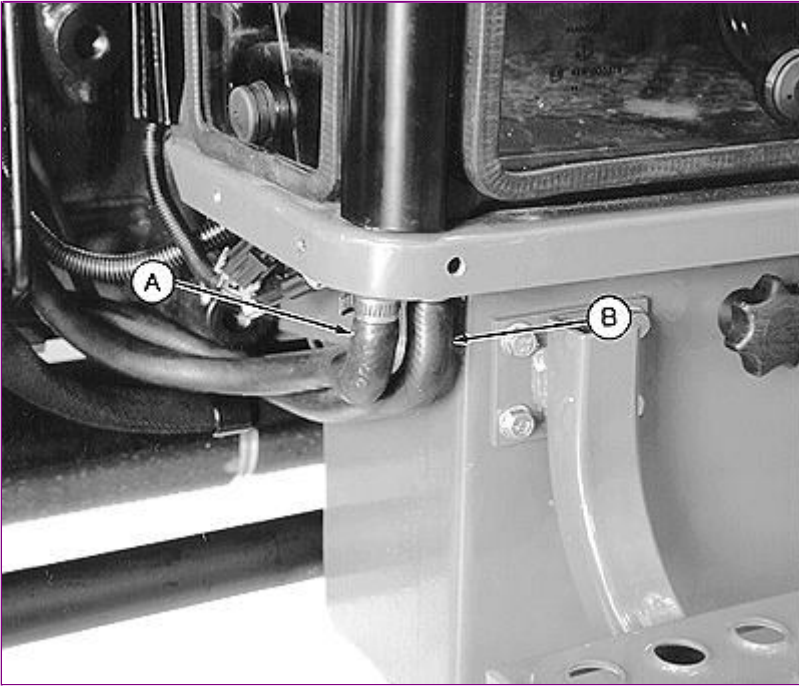
- A - Cap Screws
- B - Left Crop Guard

Recover/recycle air conditioning refrigerant. (See [Recover/Recycle Air Conditioning Refrigerant](#) in Group 25.)

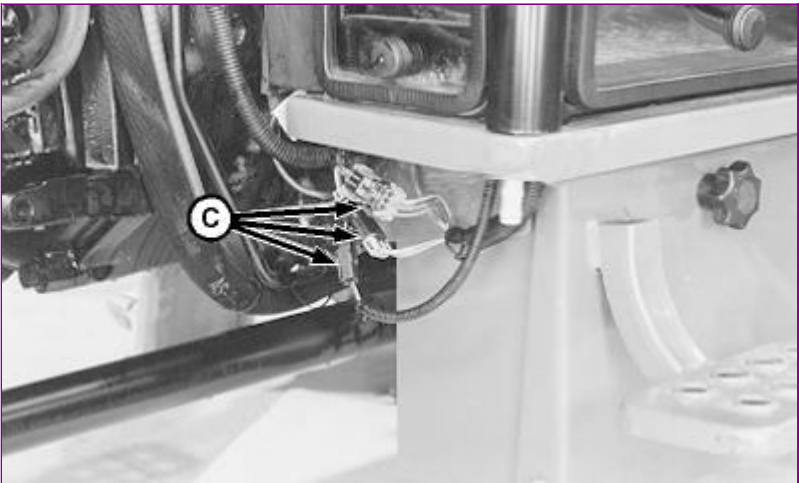
2. Drain engine coolant from radiator.
3. Disconnect battery, negative (-) cable first.
4. Remove cap screws (A) and left crop guard (B).

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5. **NOTE:**

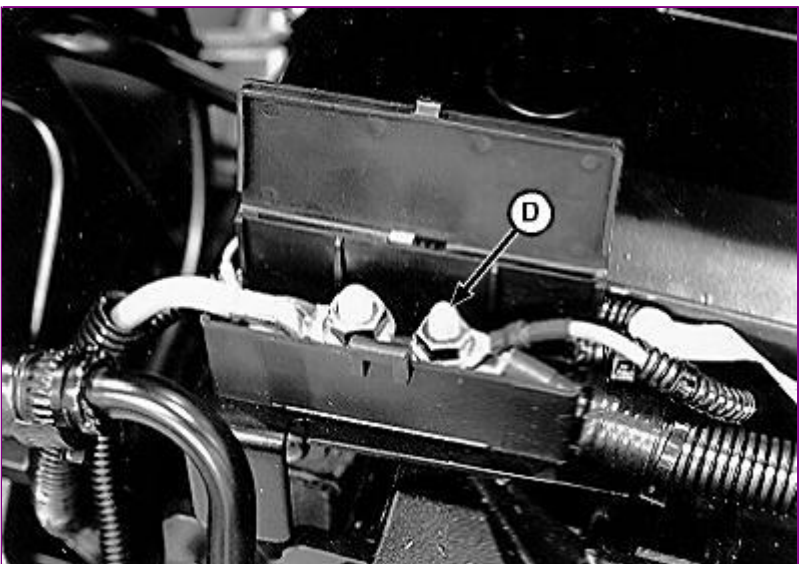
Close all opening using caps and plugs.



LV1655-UN: Heater Hoses



LV2521-UN: Wiring Connector



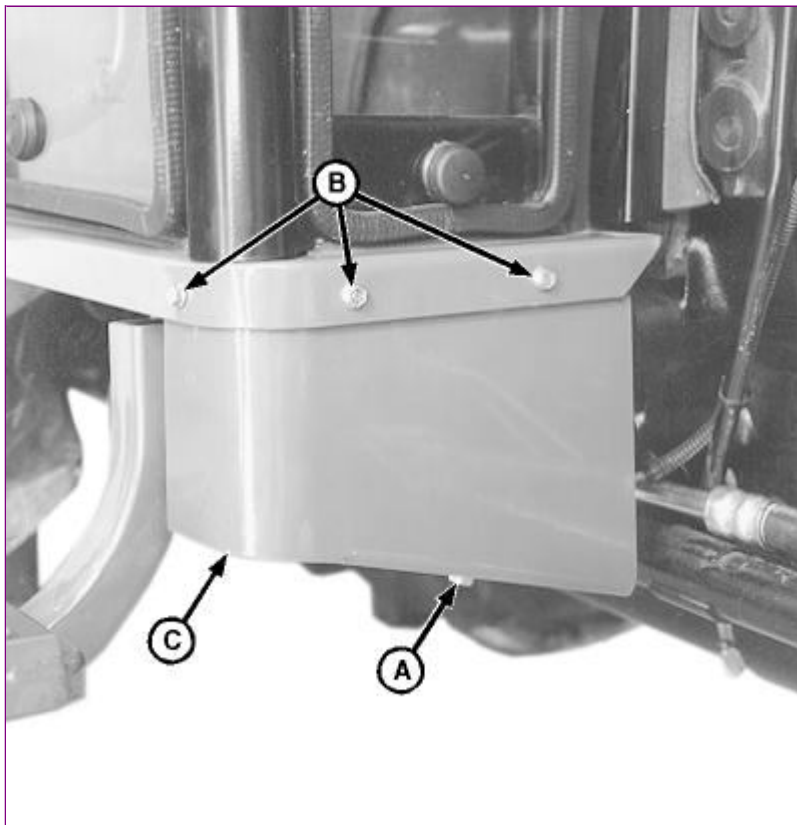
LV2293-UN: Fuse Link Junction Block Post

[LEGEND:](#)

- A - Inlet Heater Hose
- B - Return Heater Hose
- C - Wiring Connector
- D - Fuse Link Junction Block Post

Disconnect heater hoses (A and B) at left front cab post. Tag hoses for identification during installation. Cap or plug hoses and tubes.

6. Disconnect wiring connectors (C).
7. Disconnect red wire lead from right post (D) of fusible link junction block, located on the right side of engine.
8. Cut all tie straps as necessary and route red wire lead from fuse link junction block away from engine.



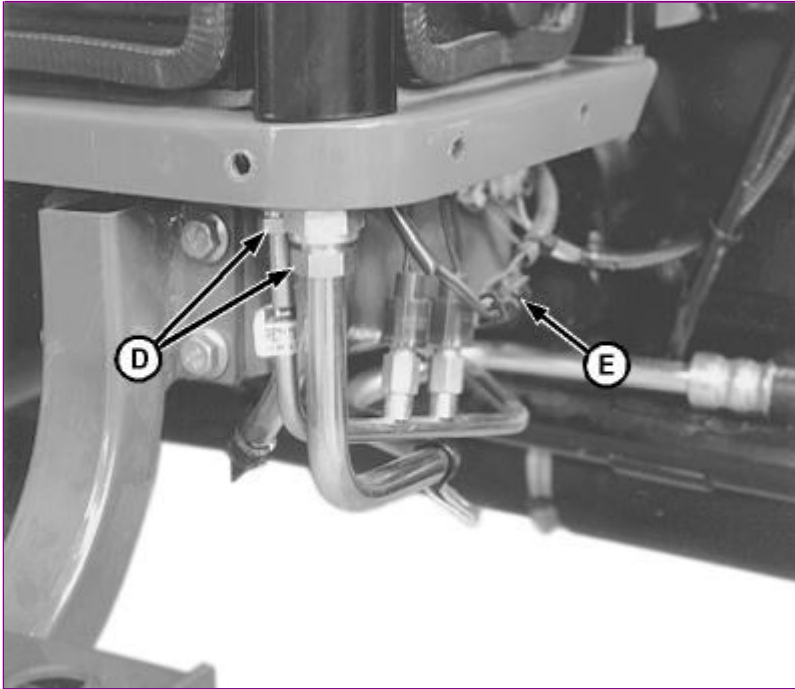
9. LV2522-UN: Right Crop Guard

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NOTE:

If there is no response to click on the link above, please download the PDF document first and then click on it.



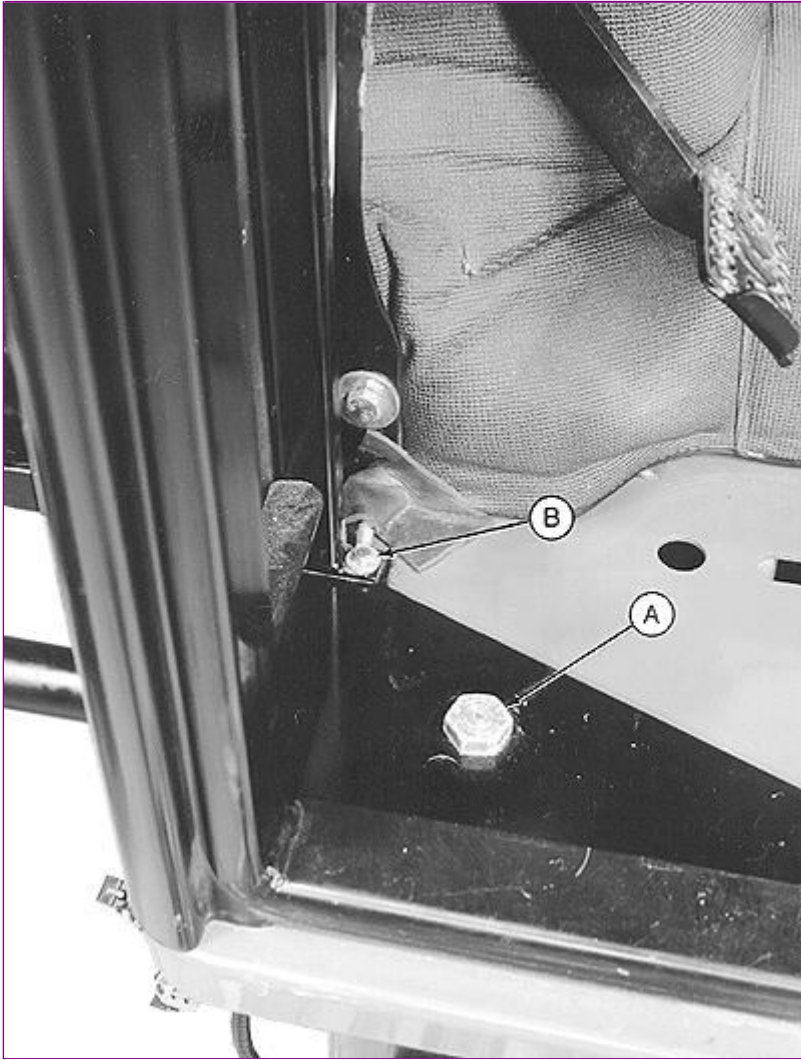
LV2523-UN: A/C Tubes

LEGEND:

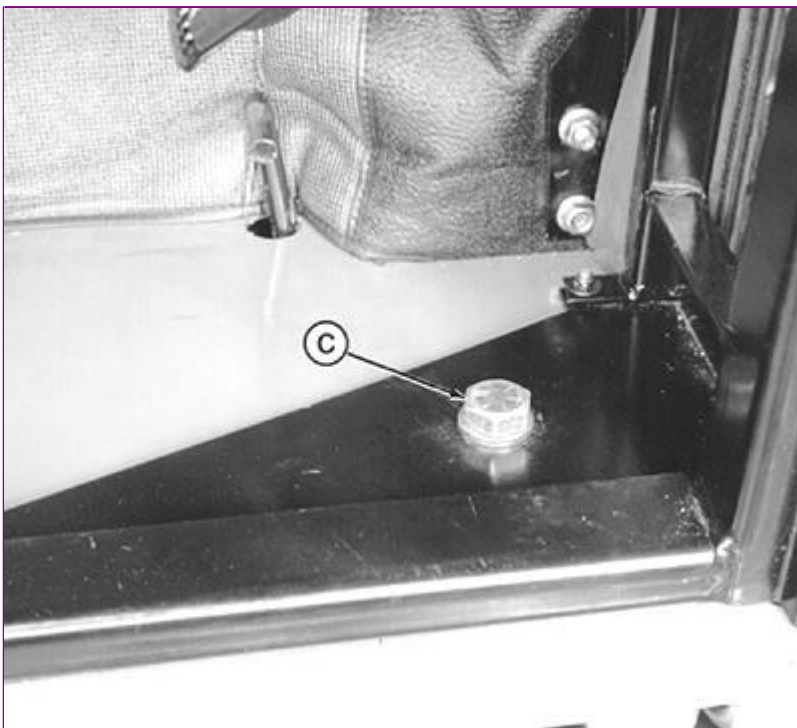
- A - Cap Screw and Nut
- B - Cap Screw (3 used)
- C - Right Crop Guard
- D - Air Conditioning Tubes
- E - Wire Harness Connector

Remove cap screw and nut (A) on bottom of crop guard.

10. Remove three cap screws (B) and right crop guard (C).
 11. Disconnect air conditioning tubes (D) from right front cab post. Close tube openings using caps and plugs to prevent contamination.
 12. Disconnect wire harness connector (E).
 13. Remove left and right cab floor mats to access cab mounting hardware.
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14. LV1658-UN: Cab Mounting Hardware



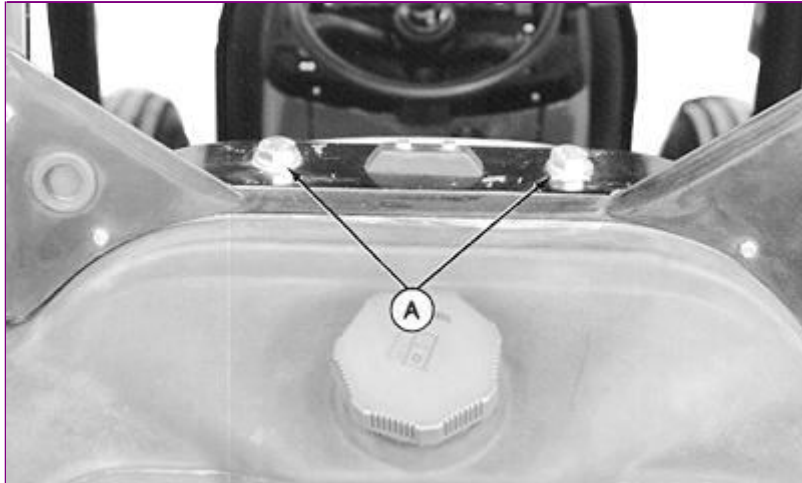
LV1659-UN: Cab Mounting Hardware

[LEGEND:](#)

- A - Rubber Grommet and Bolt
- B - Ground Cable
- C - Rubber Grommet and Bolt

Remove left cab mounting nut, flat washer, rubber grommet, and bolt (A).

15. Disconnect ground cable (B).
16. Remove right cab mounting nut, flat washer, rubber grommet, and bolt (C).



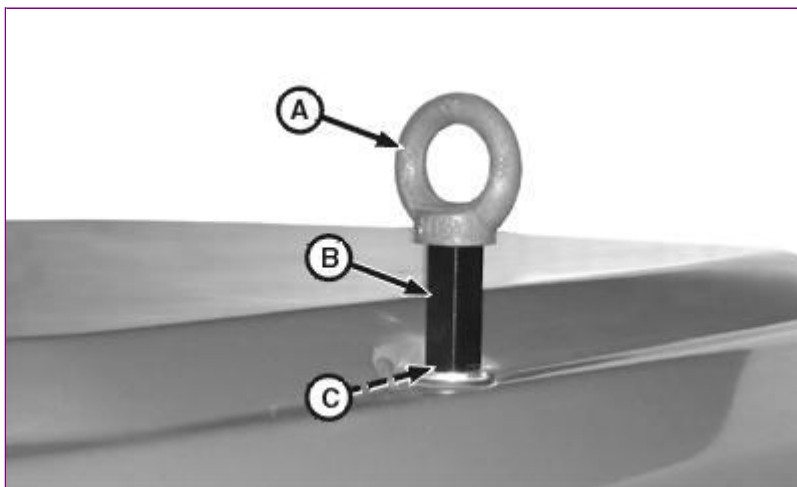
17. LV1660-UN: Support Bar

LEGEND:

- A - Bolt (2 used)

Remove windshield washer tank and rear cab upholstery liner behind cab seat.

18. Remove two bolts (A) from rear cab support bar.



19. LV7943-UN: Cab Lifting Tool-Eyebolt-to-Cab Installation