

# TM110319 - 8235R, 8260R, 8285R, 8310R, 8335R, and 8360R Tractors Repair (S. N. —090000) (Russia S. N. 052201—055000) Specifications

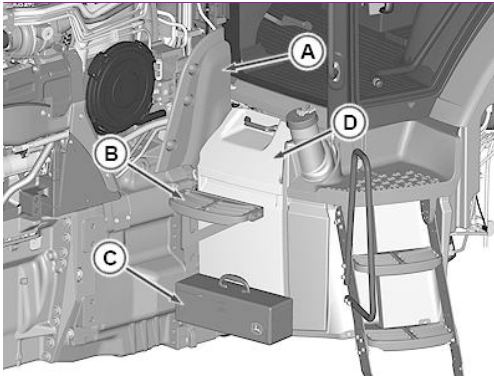
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## Specifications

Item	Measurement	Specification
Transmission-to-Mid-Frame Cap Screws	Torque	430 N·m (317 lb.-ft.)
Transmission-to-Engine Cap Screws	Torque	500 N·m (369 lb.-ft.)
Auxiliary Drive Support-to-Transmission Cap Screws	Torque	126 N·m (92 lb.-ft.)
Engine-to-Transmission Drive Shaft Cap Screws	Torque	126 N·m (92 lb.-ft.)
Universal Joint Cap Screws-to-Differential Yoke	Torque	150 N·m (110 lb.-ft.)
Scavenge Pump-to-Manifold Cap Screws	Torque	125 N·m (92 lb.-ft.)
Scavenge Pump Seal	Depth	0.5 mm (0.020 in.)
Auxiliary Drive Shaft Cap Screws	Torque	80 N·m (59 lb.-ft.)

**TM110319 - 8235R, 8260R, 8285R, 8310R, 8335R, and 8360R Tractors Repair (S. N. —090000) (Russia S. N. 052201—055000)**  
**Remove Transmission**

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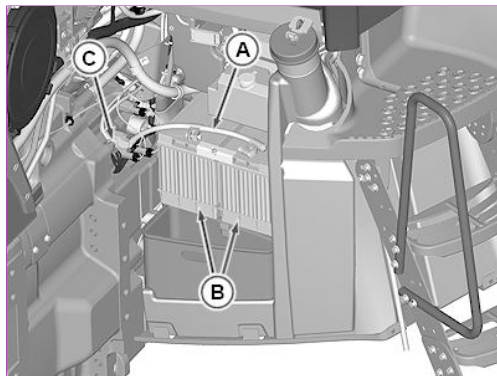


RXA0119494-UN: Shield and Tool Box

**LEGEND:**

- A - Shield
- B - Step
- C - Tool Box
- D - Battery Cover

1. Position hood forward. (See [Optional Forward Hood Position](#) in Section 80, Group 05.)
2. Discharge air conditioning system. (See [Discharge Air Conditioning System](#) in Section 90, Group 10.)
3. Drain coolant from engine block and radiator.
4. Remove shield (A) and step (B).
5. Remove tool box (C) and battery cover (D).

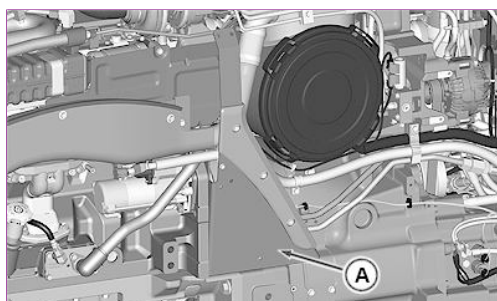


6. RXA0119496-UN: Battery Ground Cable

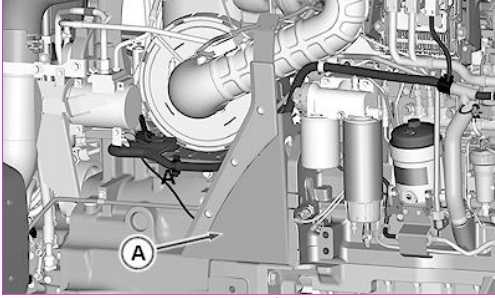
**LEGEND:**

- A - Battery Ground Cable
- B - Batteries (2 used)
- C - Single Point Ground

Disconnect battery ground cable (A) from batteries (B) and from single point ground (C).



7. RXA0119500-UN: Left-Hand Hood Spreader

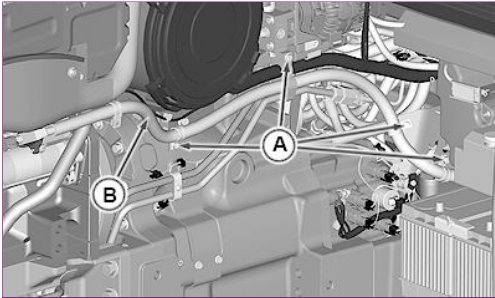


RXA0119501-UN: Right-Hand Hood Spreader

**LEGEND:**

A - Hood Spreaders (2 used)

Remove hood spreaders (A).



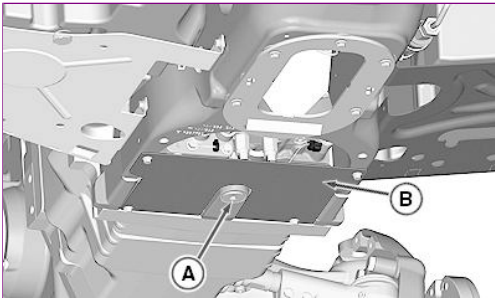
8. RXA0119553-UN: Positive Battery Cable

**LEGEND:**

A - Clamps (4 used)  
B - Positive Battery Cable

Remove clamps (A) and positive battery cable (B).

- 9. Remove front weights, if equipped.
- 10. **For tractors with Front Hitch:** Remove front hitch. (See [Remove and Install Front 3-Point Hitch](#) in Section 70, Group 35.)
- 11. **For tractors with Front PTO:** Remove front PTO. (See [Remove Front PTO](#) in Section 56, Group 40.)



12. RXA0109012-UN: Transmission Drain Plug

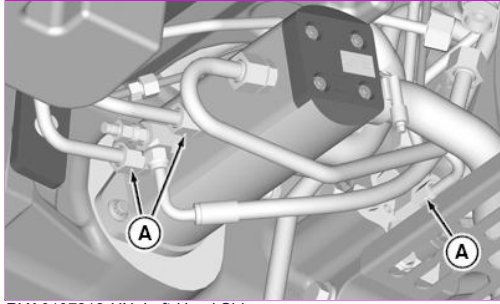
**LEGEND:**

A - Plug  
B - Front Plate

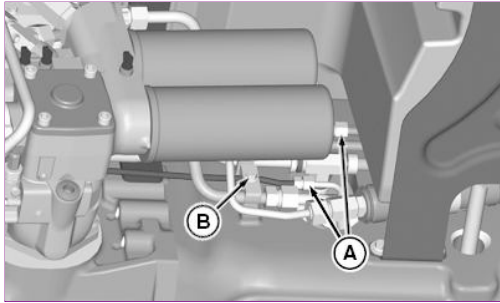
Drain transmission by removing plug (A). (See [Drain Hydraulic System](#) in Section 70, Group 05.)

- 13. Remove access plate (B).
- 14. If equipped, remove radar sensor. (See [Replace Radar Sensor](#) in Section 40, Group 30.)

15. **NOTE:**



RXA0107812-UN: Left-Hand Side



RXA0107814-UN: Right-Hand Side

**LEGEND:**

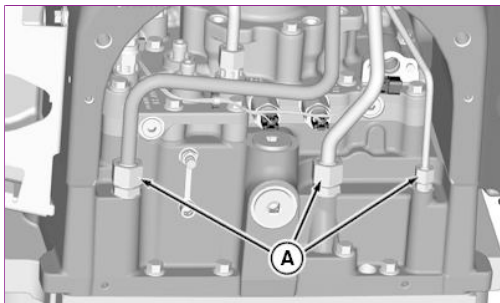
- A - Lines (5 used)
- B - Clamp

Some lines use Snap-To-Connect fittings. (See [Servicing and Connecting Snap-To-Connect STC™ Fittings](#) in Section 10, Group 10.)

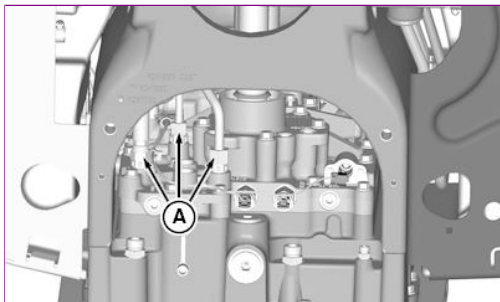
Line and hose configurations vary depending on tractor options.

Disconnect lines (A).

16. Cap and plug lines and ports to prevent contamination.
17. Remove clamp (B).



18. RXA0107813-UN: Bottom of Transmission



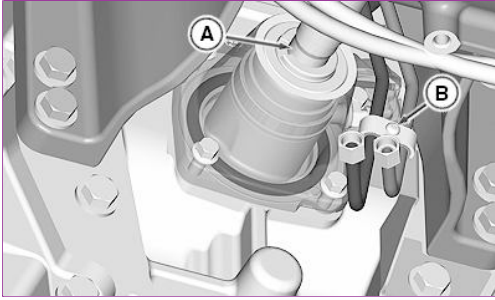
RXA0107811-UN: Bottom of Transmission

**LEGEND:**

- A - Transmission Lines (6 used)

Disconnect transmission lines (A).

19. Cap and plug lines and ports to prevent contamination.



20. RXA0125922-UN: Snap Ring and Line Clamp

**LEGEND:**

- A - Snap Ring
- B - Clamp

**For tractors equipped with MFWD, perform the following:**

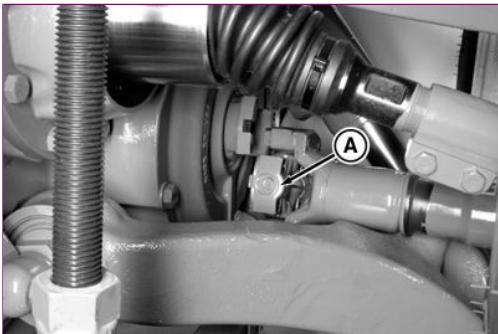
- a. Loosen MFWD drive shaft shield and remove steering line clamp (B).
- b. \_\_\_\_\_



**Tractor ignition must be in the "OFF" position when checking position of MFWD drive shaft snap ring (A).**

Position tractor with MFWD drive shaft snap ring (A) in downward position.

- c. Disengage MFWD shaft snap ring and slide shaft forward to disengage from MFWD clutch.

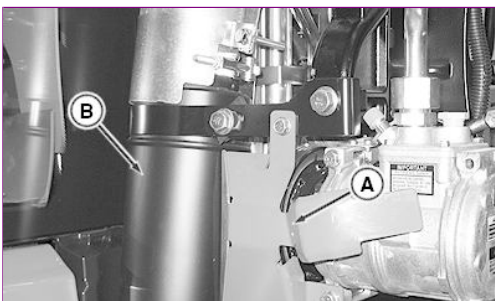


21. RXA0056006-UN: Drive Shaft

**LEGEND:**

- A - Drive Shaft Universal Joint

**For tractors with ILS™:** Disconnect one drive shaft universal joint (A) from differential yoke and support drive shaft on lower control arm.



22. RXA0111687-UN: Shield and Exhaust

**LEGEND:**

- A - Shield
- B - Exhaust Pipe

Remove shield (A).

23. Remove exhaust pipe (B). (See [Service Exhaust System](#) in Section 30, Group 25.)

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