

SAFETY RECALL

Mack Trucks Inc.
Greensboro, NC USA



Date	Number	Release	Page
03.2015	SC0389	01	1 (16)

Air Tank, Replacement CXU

SAFETY RECALL INFORMATION:

(March 2015)

The volume of air that can be stored in the air reservoirs is lower than the 96 liters (25 Gallon) as required in S5.1.2 Reservoirs of FMVSS121, Air Brakes. The trucks as configured require 96 liters (Gallons) of air. However, only 88 liters (23 Gallons) are available from the tanks currently fitted to the affected vehicles.

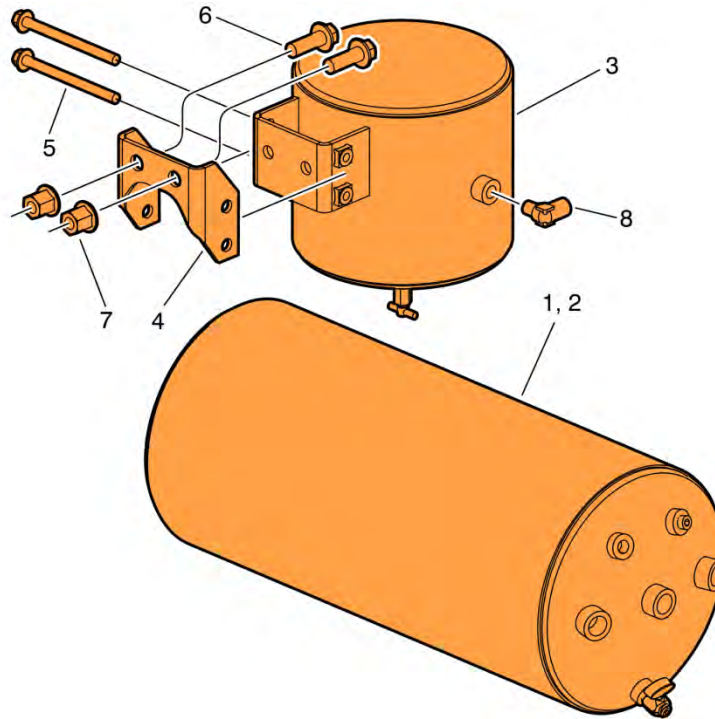
MACK Trucks has received no reports of personal injury as a result of this condition. Therefore, Mack considers this as a proactive measure to protect the public and MACK's customers from the potential risk associated with this defect.

VEHICLES AFFECTED:

Certain 2014 and 2015 MACK CXU model trucks manufactured from June 01, 2013 through November 28, 2014.

VEHICLE IDENTIFICATION NUMBERS (VIN):

The number of vehicles affected by this recall is 95 (85 USA, and 10 Canada).



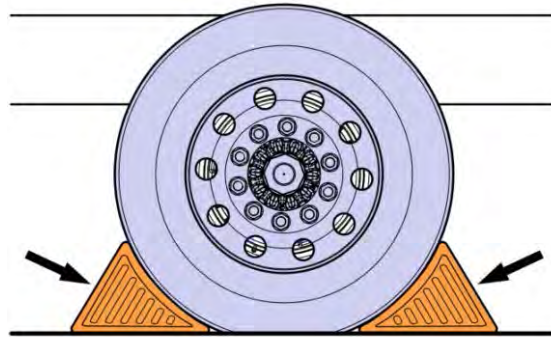
Required Parts:

To order parts, call (877) 986-5862. The Vehicle Identification Number (VIN) is required for ordering parts.

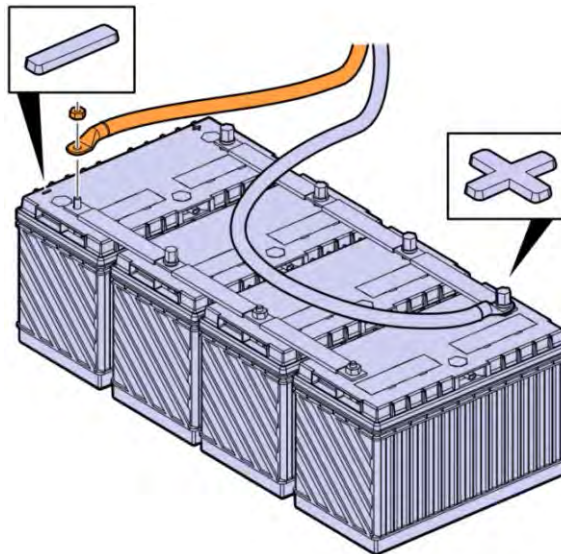
Item	PART NUMBER	QTY	DESCRIPTION
1	21235918	1	Air Tank (with Purge)
2	21235918	1	Air Tank (Vehicles without Purge)
3	21235932	1	Air Tank, Purge
4	20413783	1	Bracket, Air Tank Mounting
5	984763	2	Flange Screw
6	984853	2	Flange Screw
7	994522	2	Flange Lock Nut
8	8397700	1	Tube Fitting
9	945461	1	Tubing, Bulk

Decommissioning the Truck for Inspection or Repair:

1. Secure the vehicle for service by parking on a flat and level surface, placing the transmission in neutral, applying the parking brake, turning the ignition key to the OFF position, and chocking the front wheels.

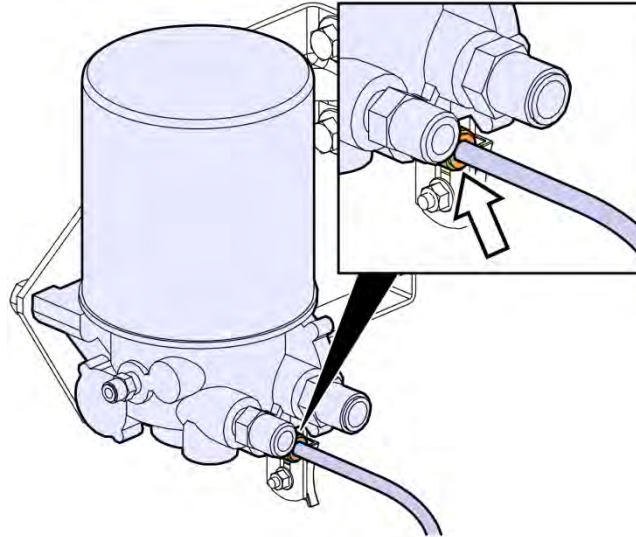


2. Disconnect the cable from the battery's negative (ground) terminal.



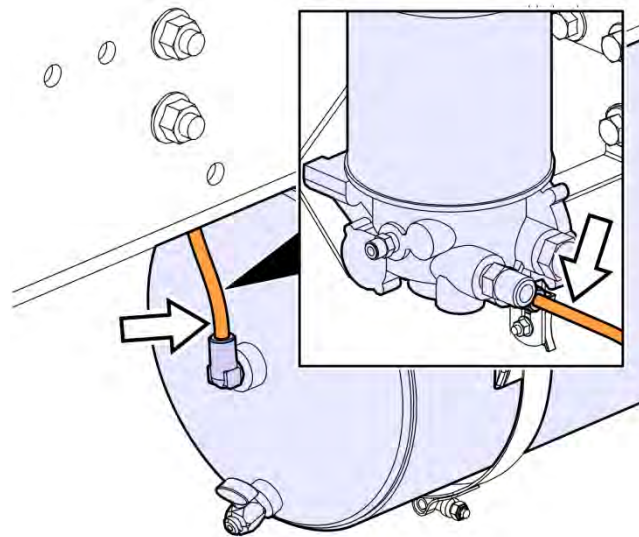
Air Tank, Removal Procedure:

1. Drain the complete air system of all pressure.
2. If applicable, locate the purge outlet port on the receiver dryer.



3. If applicable, follow the purge air line from the receiver dryer to the reserve air tank and remove the air line.

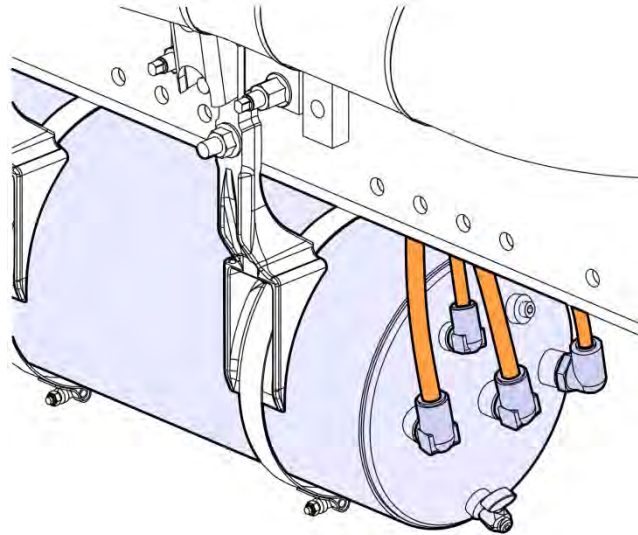
NOTE
Clip cable ties as needed.



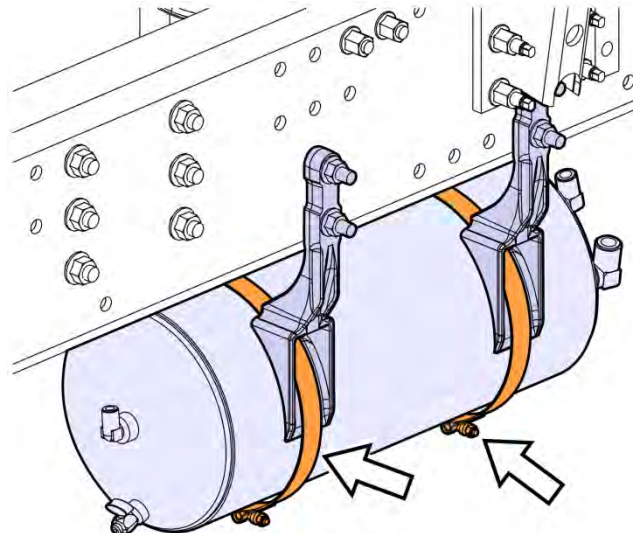
4. Disconnect the remaining air lines from the air tank.

NOTE

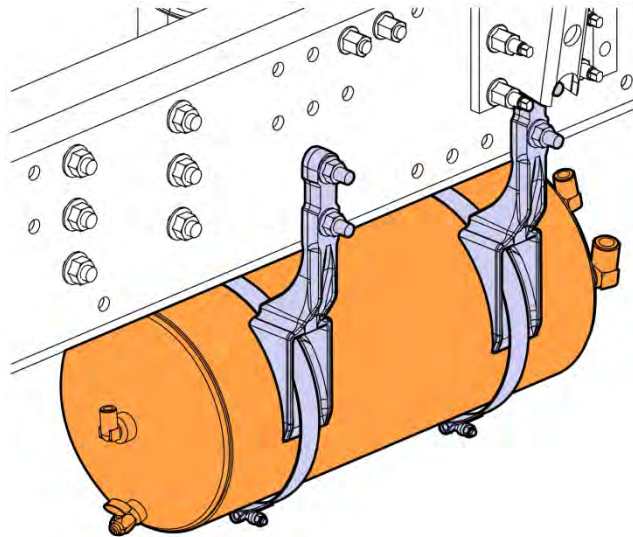
Mark the location and orientation of the air lines before removing them from the air tank.



5. Loosen the straps securing the air tank.

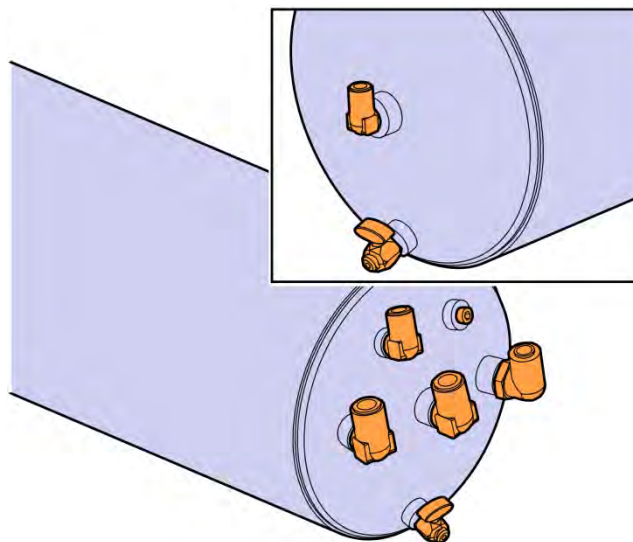


6. Remove the air tank.



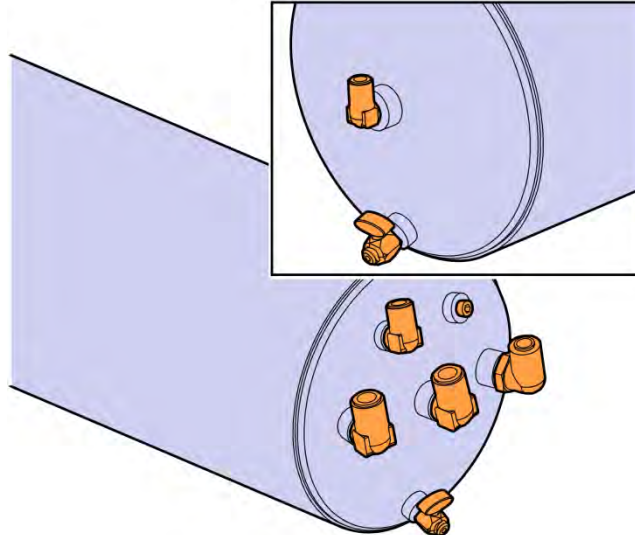
7. Remove the fittings from the air tank.

NOTE
Clean the fittings of any debris and store them for reuse.



Air Tank, Replacement Procedure (Air Tank Only):

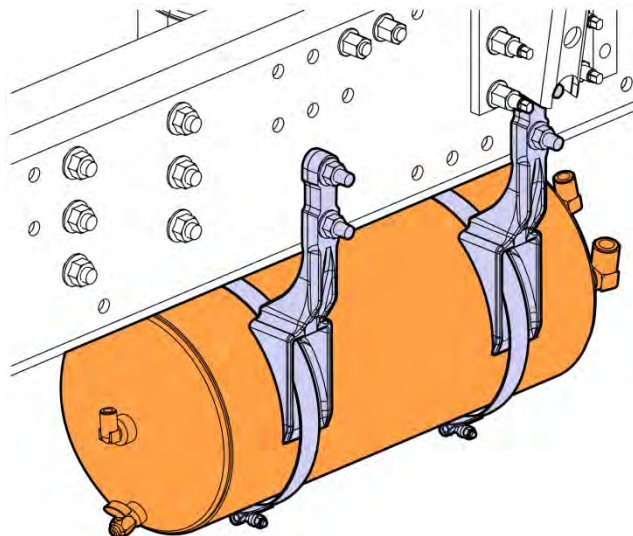
1. Using thread sealant, transfer the stored fittings to the replacement air tank.



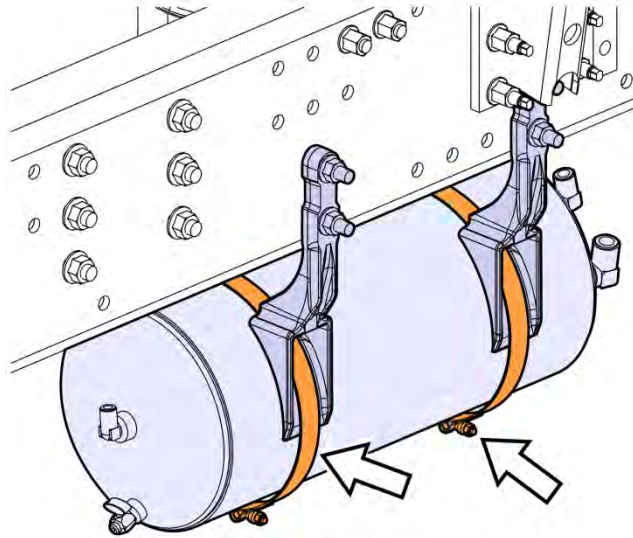
2. Position the replacement air tank.

NOTE

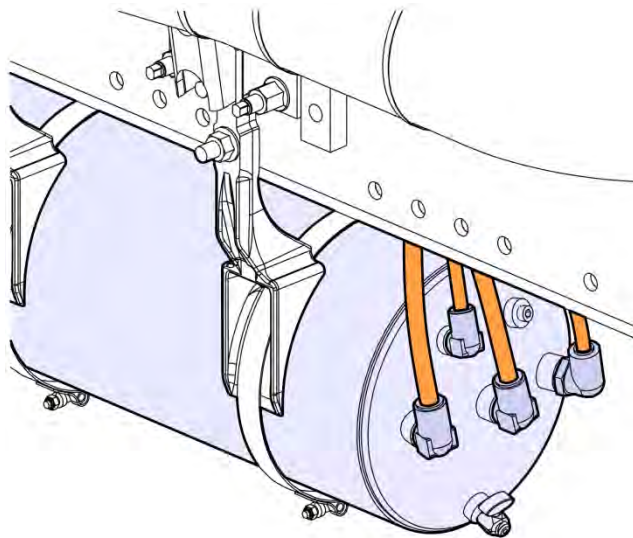
Ensure the air tank is installed with the drain vale pointing downward.



3. Tighten the tank strap fasteners to 5.6 Nm (49 in-lb).



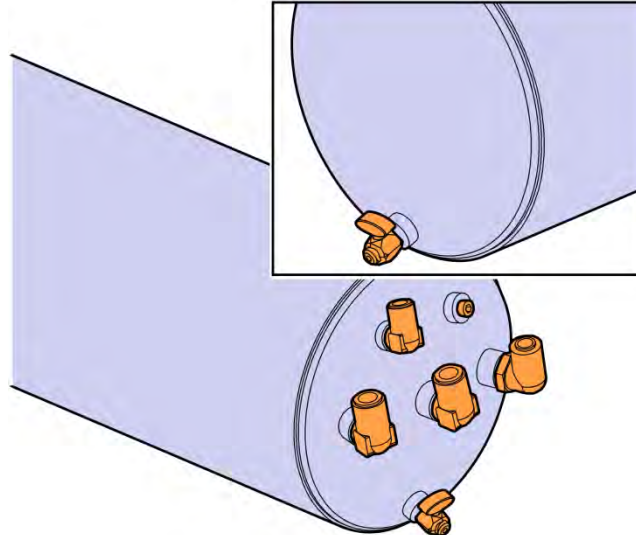
4. Connect the air lines as previously noted in step 4 (**Air Tank Removal Procedure**).



5. Skip to Commissioning the Truck for Operation on page (12).

Air Tank, Replacement Procedure (with Purge Tank addition):

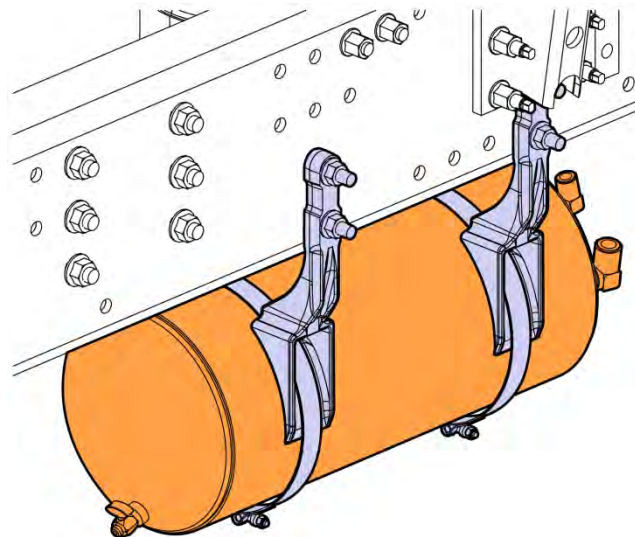
1. Using thread sealant, transfer the stored fittings to the replacement air tank.



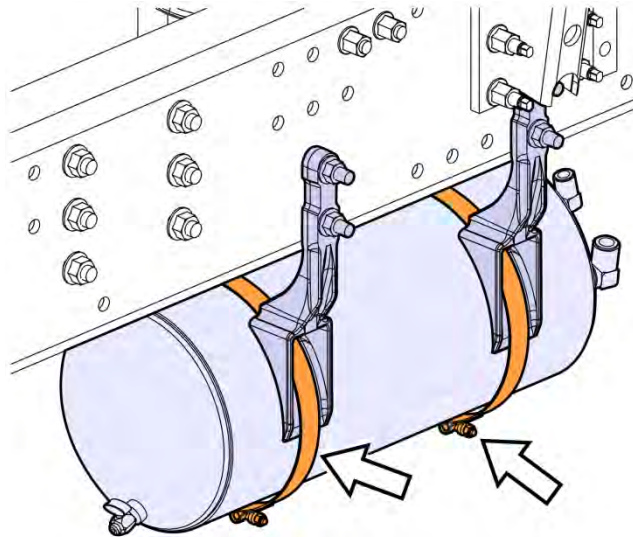
2. Position the replacement air tank (21235918).

NOTE

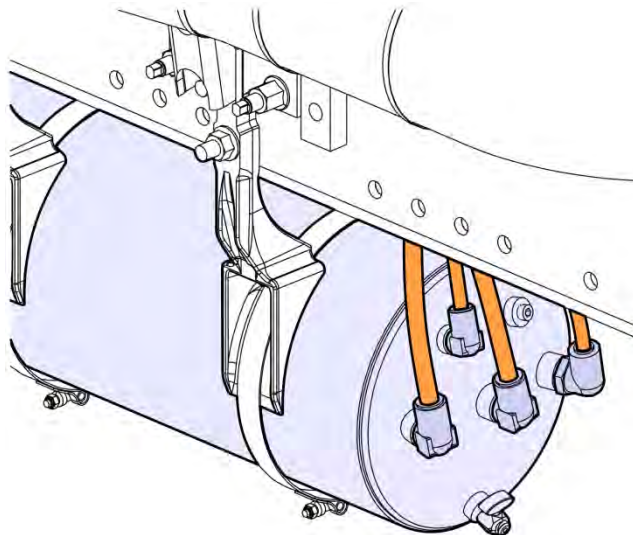
Ensure the air tank is installed with the drain valve pointing downward.



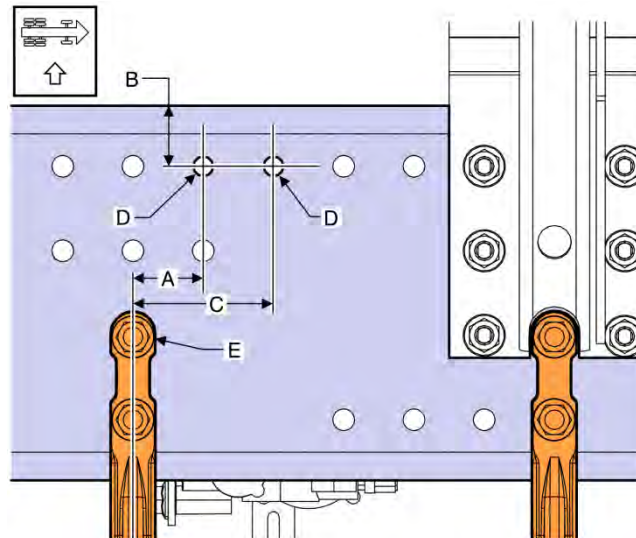
3. Tighten the tank strap fasteners to specification 5.6 Nm (49 in-lb).



4. Connect the air lines as previously noted in step 4 (**Air Tank Removal Procedure**).

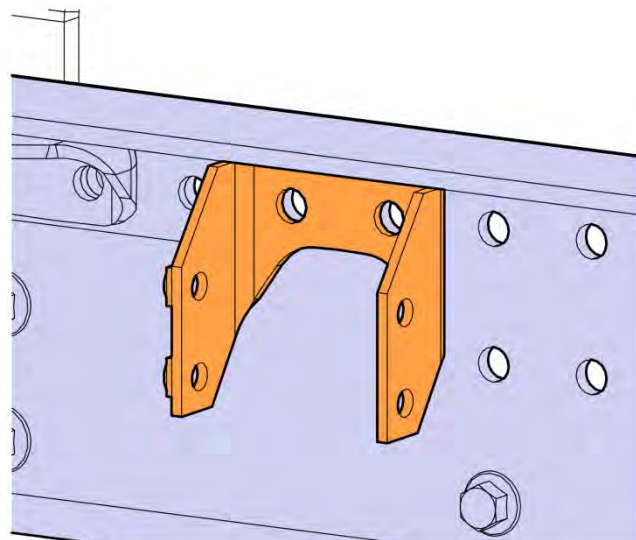


5. Mark the passenger side frame rail and drill two holes in the frame rail for the purge air tank as shown in the illustration below.

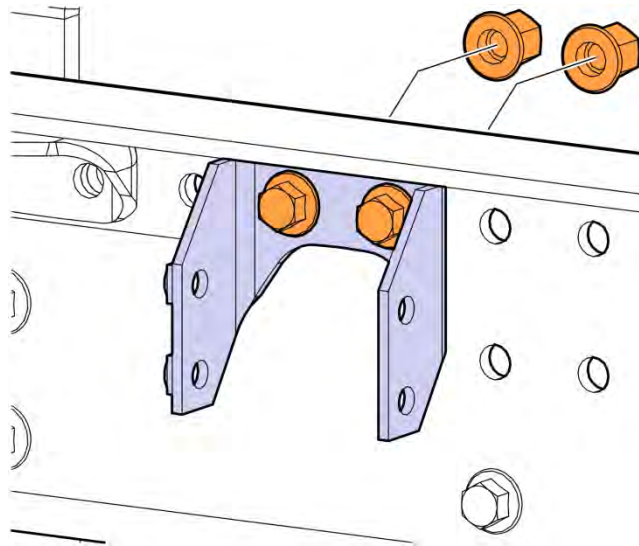


Drill Hole Layout, Purge Tank	
Item	Description
A	50 mm (1.96 in) From the Center Line of the Air Tank Bracket
B	60 mm (2.36 in) From the Top Edge of the Frame Rail
C	100 mm (3.93 in) From the Center Line of the Air Tank Bracket
D	15.5 mm (0.61 in) Dia. Holes (2) Places
E	Air Tank Bracket

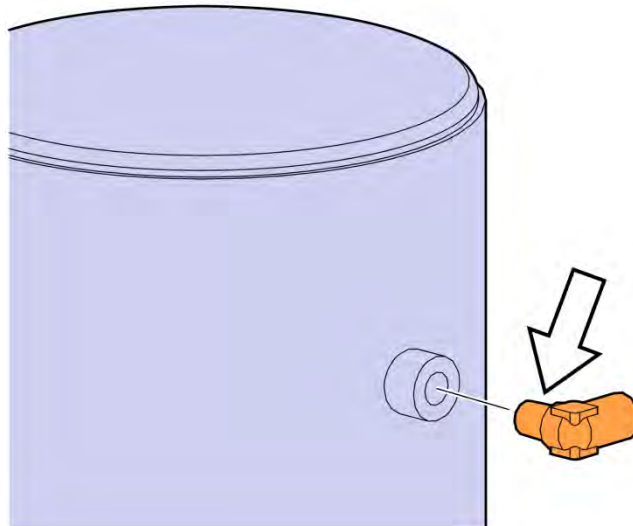
6. Position the purge air tank bracket (20413783).



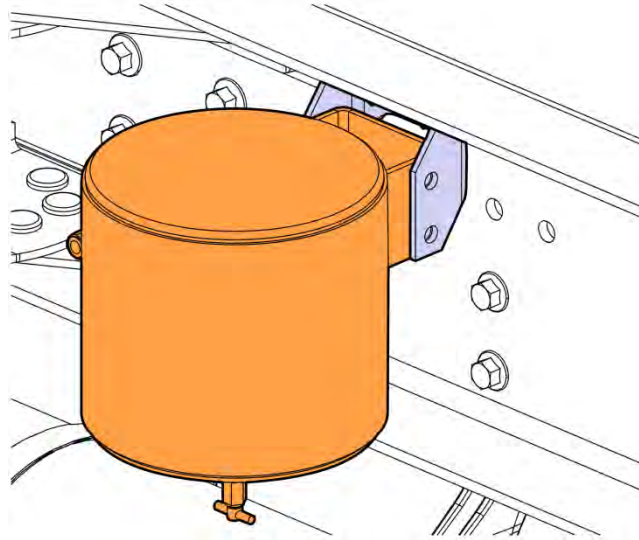
7. Install the fasteners (Flange Screws 984853 and Flange Nuts 994522) securing the purge air tank bracket fasteners.
8. Tighten the fasteners to 140 ± 25 Nm (103 ± 18 ft-lb).



9. Install the tube fitting (8397700) into the purge air tank (21235932).

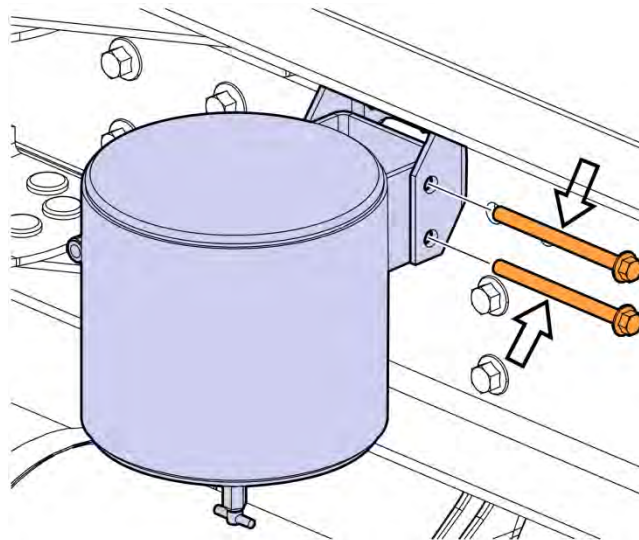


10. Position the purge air tank (21235932) into the bracket (20413783).



11. Install the fasteners (Flange Screws 984763).

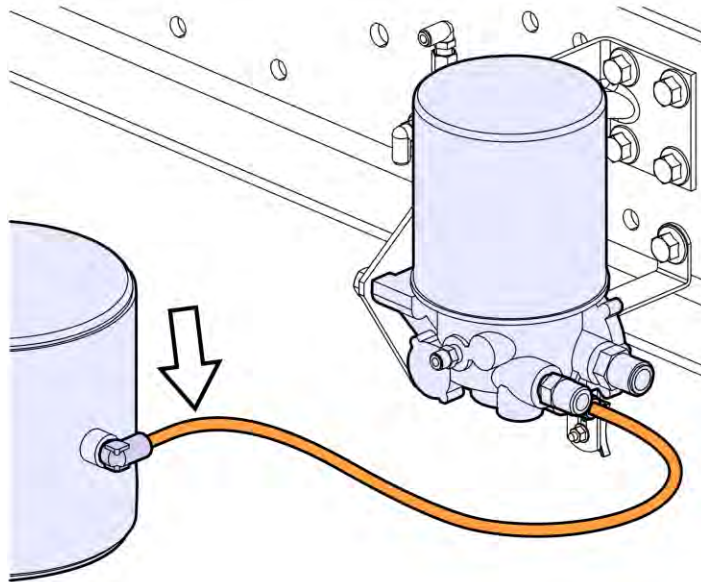
12. Tighten the fasteners to 48 ± 8 Nm (35 ± 5 in-lb).



13. Measure and cut the bulk air line (945461) to length from the purge air tank fitting to the receiver dryer fitting.

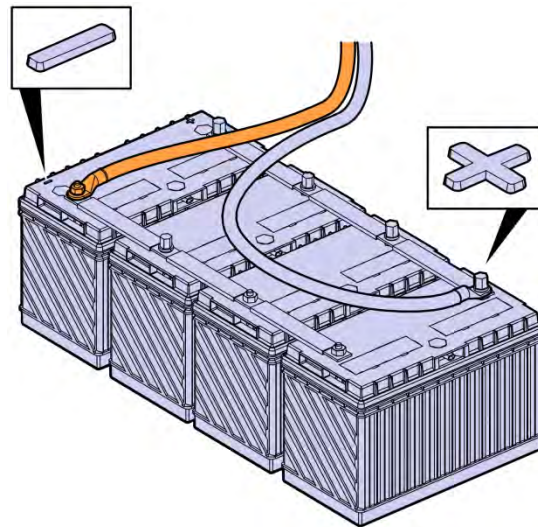
14. Connect the air line to the purge air tank fitting and the receiver dryer fitting.

NOTE
Route and secure the air line inside the frame cross member with cable ties as needed.

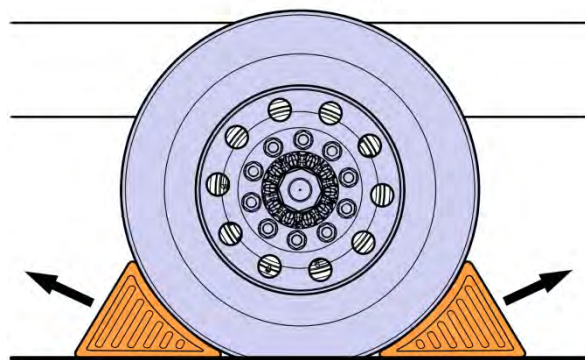


Commissioning the Truck for Operation:

1. Connect the battery cable to the negative (ground) terminal.



2. Start the engine, build the proper air system pressure, check for air leaks, and proper operation.
3. Remove the wheel chocks.



REIMBURSEMENT:

This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.		
	UCHP Reimbursement	eWarranty Reimbursement
Claim Type (Used when uploading from the Dealer business System)	40	40
Recall Status		
Vehicle repaired per instructions		1-Modified per instructions
Labor Code		
Primary Labor Code (Air Tank, Removal)	5621-01-09-02 0.5 hrs	5322D-ZP-95 0.5 hrs
Labor Code (Air Tank, Replacement Only)	5621-03-09-02 0.6 hrs	5322E-ZP-95 0.6 hrs
Labor Code (Air Tank, Replacement with Purge Tank Addition)	5621-03-09-03 2.1 hrs	5322F-ZP-95 2.1 hrs
Time to take charge of vehicle and determine campaign status	1700-16-01-01 0.3 hrs	101AA-0A-00 0.3 hrs
Causal Part	21453893	21453893
Authorization Number	C6557	SC0389

Take-charge time is not included in the labor code for this operation. Take charge may be eligible, but can only be used once per vehicle repair visit. If the vehicle is having other warranty repairs performed, take-charge should be charged to the warranty repair, otherwise take-charge can be charged to this Safety Recall campaign.