HINO TRUCKS

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SERVICE BULLETIN

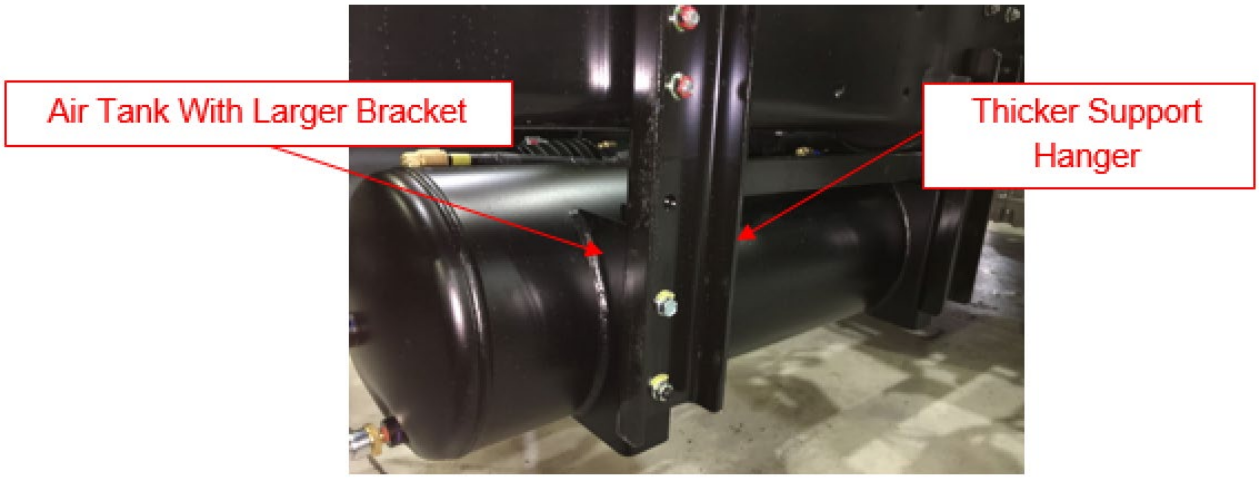
SB-19-003 AIR TANK CRACK

GROUP: 0-GENERAL
BULLETIN NO: SB-19-003
DATE: 5-8-2019
REF: HMM-190204-B1

SUBJECT VEHICLES: Certain 14MY-19MY Conventional Trucks equipped with a J08 engine that were assembled at the Williamstown, West Virginia assembly plant before August, 2018.

OVERVIEW:

The subject vehicle may experience an air leak from one of the air tanks due to a crack in the tank shell where the tank bracket is welded to the tank shell. An updated air tank that incorporates a larger bracket in conjunction with a thicker support hanger has been made available to address this condition.



PARTS:

Part Number	Part Description	Quantity
S4401E0451	Tank Sub-Assy, Air RH	As Needed (1)
S4401E0471	Tank Sub-Assy, Air LH (Air Brake Only)	As Needed (1)
S4402E0J42	Support Sub-Assy, Air Tank	As Needed (2)

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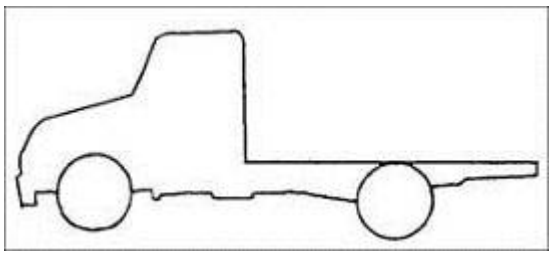
BEFORE YOU BEGIN:

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **WARNINGS** and **NOTICES** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a flat, level and solid surface.
- Place the gear shift lever in "Neutral" or "Park".
- Apply the parking brake firmly and confirm parking brake activation.
- Turn off the engine and remove the key from the ignition switch.
- Always wear safety glasses or goggles to protect your eyes.
- Place wheel chocks in front of and behind all the wheels to prevent the vehicle from moving.

VEHICLE PREPARATION:

1. Park the vehicle on a flat, level and solid surface.



2. Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.

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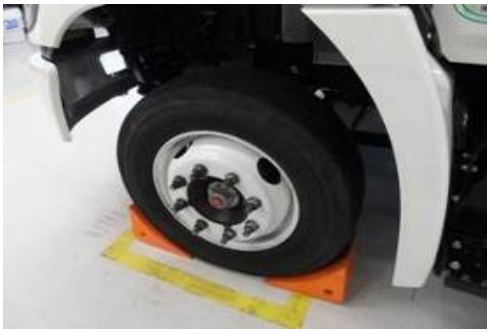
3. Apply the parking brake.

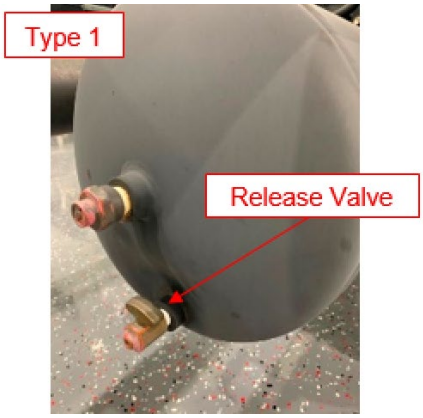
4. Chock all of the wheels.

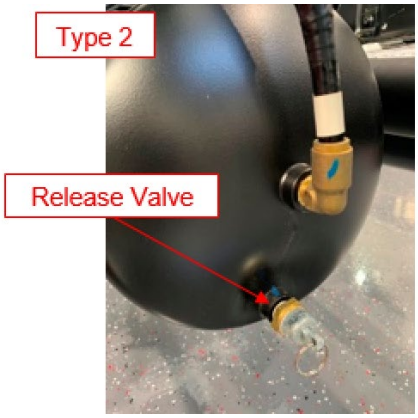


REPAIR PROCEDURE:

1. Identify the air tank that will be replaced. Using the release valve on the air tank, release all the air pressure. See the **NOTICE** and photos below.

NOTICE: Depending on model year, there are two variations of release valves on the air tanks. Type 1 requires the valve to be manually closed. Type 2, after being manually opened, automatically closes after you release the pull ring.





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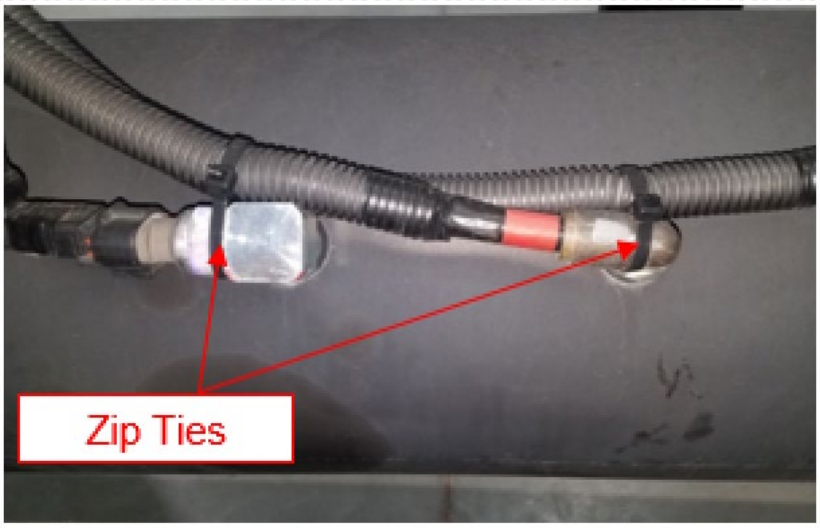
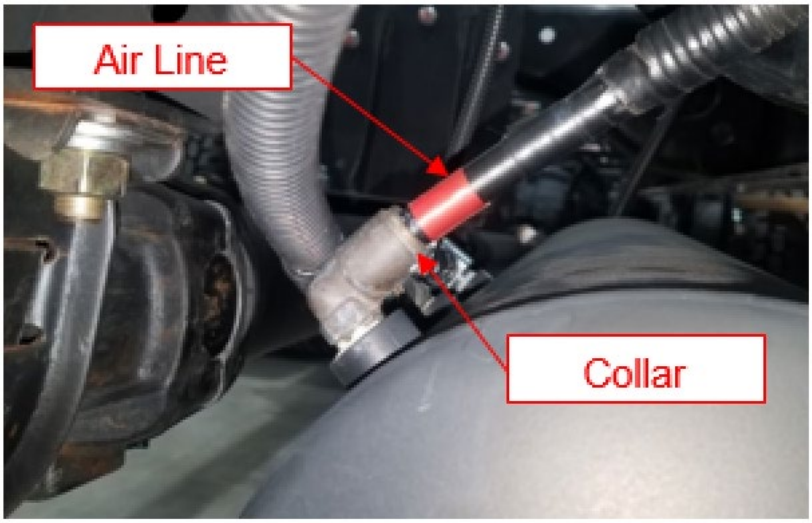
2. Depending on vehicle configuration, there may be zip ties securing the air lines. Make note of the locations of the zip ties. New zip ties will be installed in step **12.** Then cut and discard the old zip ties from the air lines.



3. Disconnect the air lines from the air tank by pushing inward on the air fitting collar and pulling the air line from the fitting. Make note of the air line locations for reassembly.

NOTICE: Only one air line is shown in the photo below. The total number of air lines will vary depending on the vehicle.



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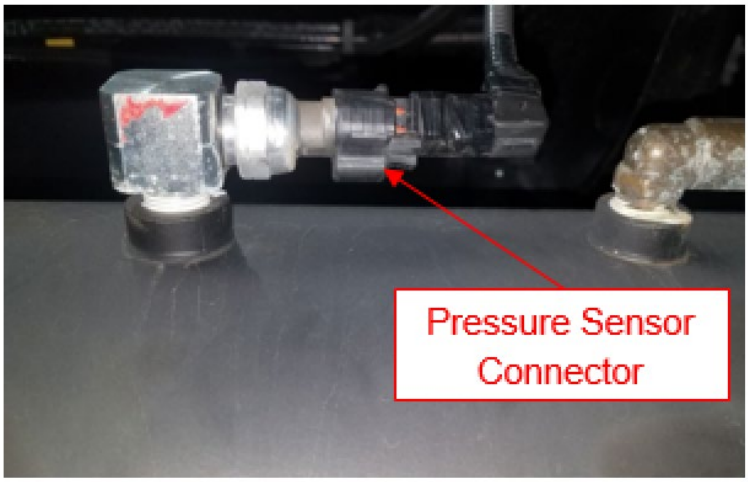
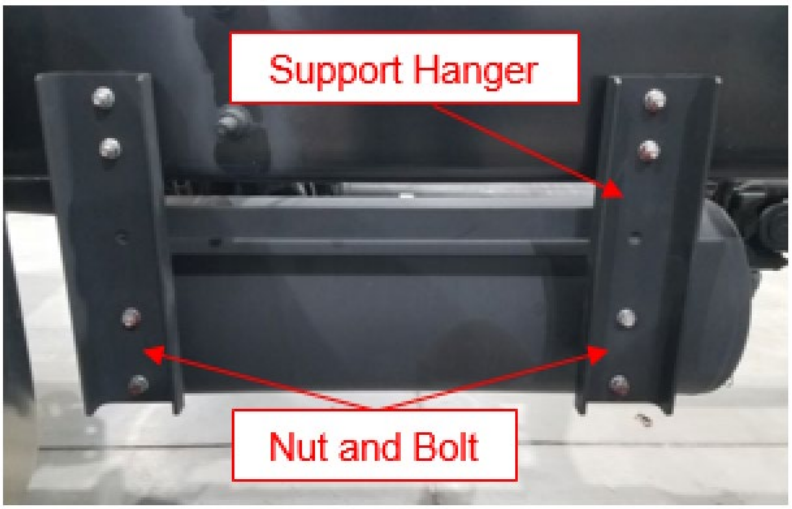
4. Disconnect the air tank pressure sensor electrical connector.



5. Remove the two nuts and two bolts securing the air tank to the support hanger. Retain these nuts and bolts for reassembly. Remove the air tank from the vehicle but retain the old air tank until step **7.**



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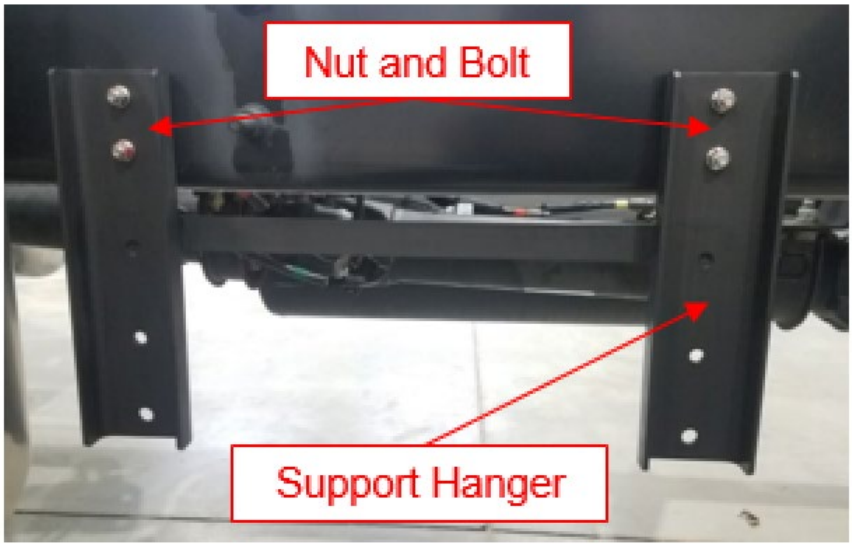
6. Remove the four nuts and four bolts securing the support hanger to the frame rail. Retain these nuts and bolts for reassembly. Discard the support hanger.



7. Transfer the fittings and air pressure sensor from the old air tank to the new air tank, one at a time. Clean the threads and apply thread sealer before installation into the new air tank. Tighten to the specified torque then advance the fittings to match their original orientation. Do not back off for orientation. Discard the old air tank.

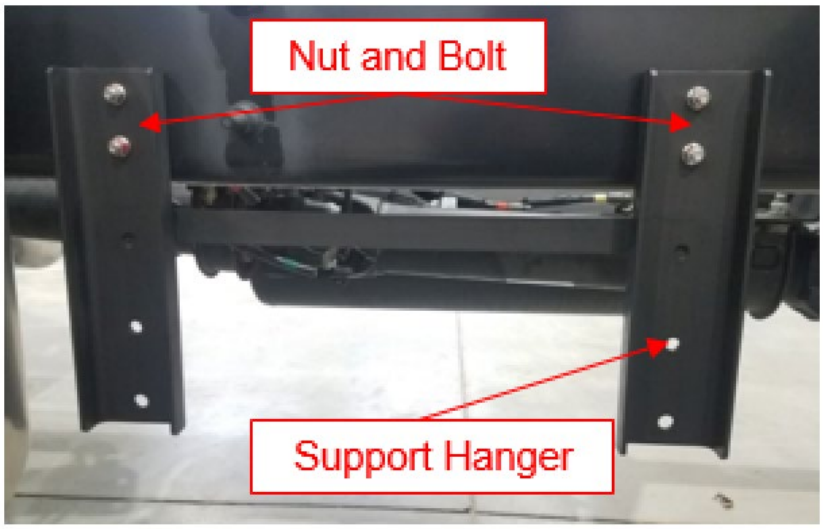
Specified Torque: 25 lb-ft (34 Nm)

NOTICE: See parts table at the beginning of this procedure for the correct air tank part number.

Example Photo – Fitting Count and Orientation Will Vary by Vehicle

8. Install a new support hanger, S4402-E0J42 to the frame rail using the nuts and bolts removed in step **6.** Tighten the nuts and bolts to the specified torque.

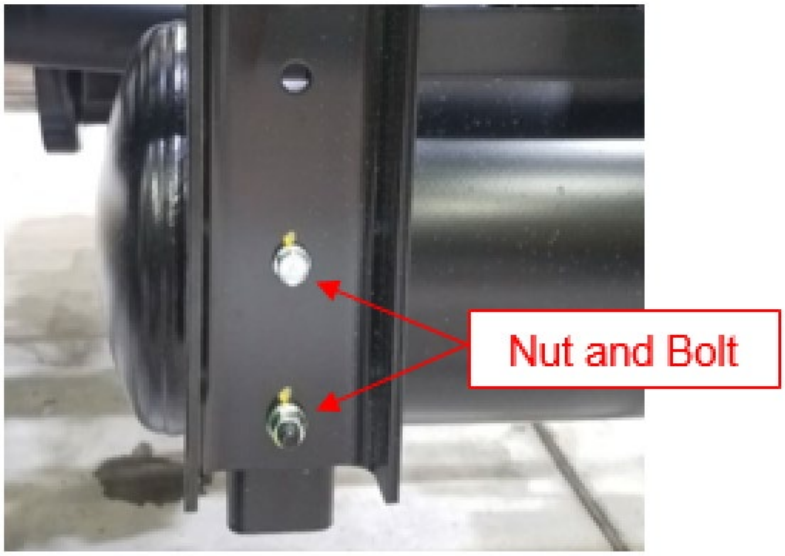
Specified Torque: 16 lb-ft (22 Nm)



9. Install the new air tank to the support hanger using the nuts and bolts removed in step **5.** Tighten the nuts and bolts to the specified torque.

Specified Torque: 16 lb-ft (22 Nm)

NOTICE: Only two nuts and bolts are shown in the photo below.



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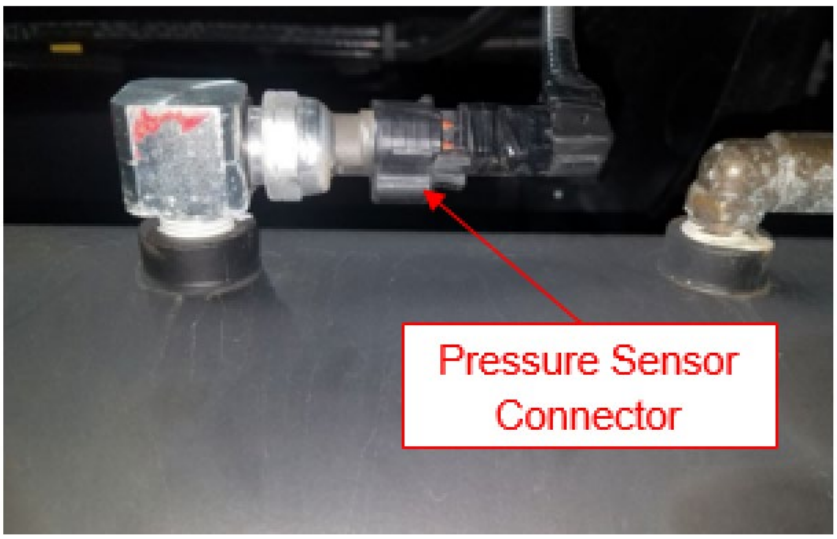
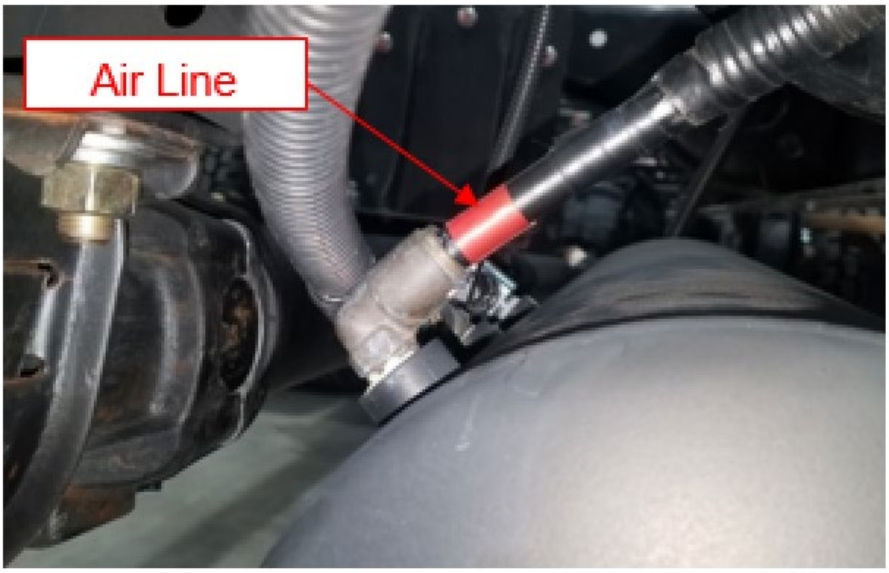
10. Connect the pressure sensor electrical connector.

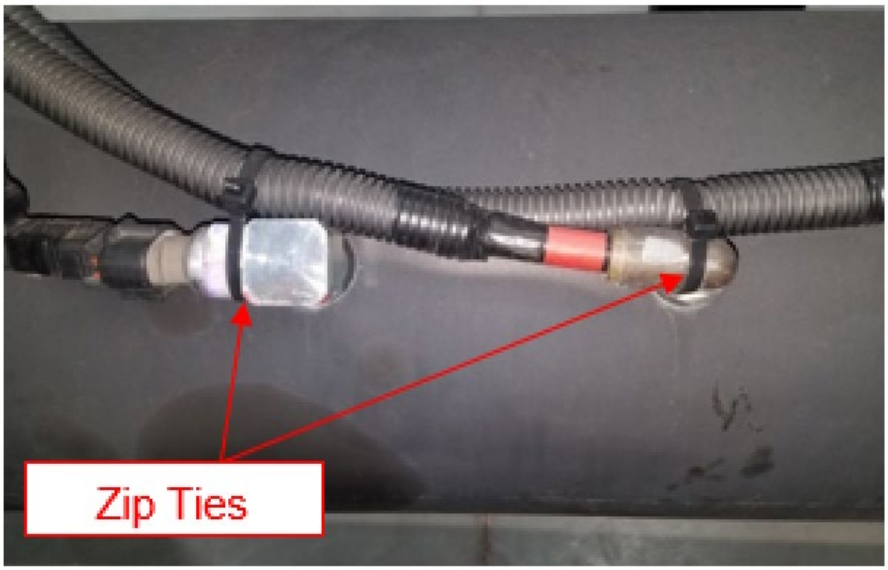


11. Reconnect the air lines in the correct locations as noted in step **3** by pushing these air lines into the air line fittings until fully seated.

NOTICE: Only one air line is shown in the photo below. The total number of air lines will vary depending on the vehicle.



12. Install new zip ties in the locations noted in step **2.**



13. Start the vehicle and allow it to run until air the compressor governor cut-off is reached. Turn off the engine and check for air leaks.

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FINAL INSPECTION:

1. To complete this TSB review and confirm the following:

- The new air tank and support bracket have been installed.
- All nuts, bolts, and fittings have been tightened to the specified torque.
- All air line connections have been checked for leakage.

Note: This technical service bulletin is provided as technical information and is not authorization for a warrantable repair.

CLAIM APPLICATION

Reimbursable in accordance within the terms and policies of the Hino limited warranties.

Air Tank and Support Hanger Replacement:

Labor charge: 1.6 hours

Warranty code: 31321

Trouble code: 51

Operation code: 31303BRE

Original failed part: Original Part Number on Vehicle

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