



SAFETY RECALL

ID No. AB2Q0
Ref. No. RCB-001-25
Release Date 02-10-2025

AB2Q0 RIGHT FRONT AIR BRAKE HOSE

OVERVIEW

The brake air tube for the right front brake may come into contact with the fender which could cause wear over time. The following work procedure will provide guidance to inspect the air tube and install a bracket with a P-clip to secure the routing. If necessary, the air tube will be replaced with a new one.

NEW VEHICLES IN DEALERSHIP INVENTORY As required by Federal law (49 Code of Federal Regulations §577.13), dealerships are not to deliver any new vehicles in their inventory that are involved in a Safety Recall unless the vehicle has been remedied. Refer to the appropriate Vehicle Identification Number (VIN) list to determine vehicle eligibility.

SUBJECT VEHICLES

Certain 2022MY through 2025MY Hino L-Series trucks equipped with a Cummins B6.7 engine that were assembled at the Mineral Wells, West Virginia, USA assembly plant.

NOTE: Refer to the appropriate Vehicle Identification Number (VIN) list to determine vehicle eligibility.

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 "Park" or "Neutral".
- 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.



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PARTS

PARTS: Required for all recall vehicles

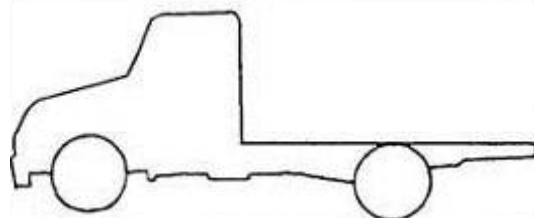
PART NUMBER	PART DESCRIPTION	QUANTITY
S440JEW051	ABS Modulator Bracket	1
SL15100809	P-clip Nut	1
S799043730	P-clip	1
S478371230	Zip Tie (5mm)	1
N/A	Black or Grey Heat-Resistant Tape	As Needed

PARTS: Replace only as needed after vehicle inspection

PART NUMBER	PART DESCRIPTION	QUANTITY
S470CE0431	Air Brake Tube	As Needed (1)
S478371230	Zip Tie (5mm)	As Needed (7)
S4716E0040	Zip Tie (8mm)	As Needed (1)
S4719EW020	Heat Shield	As Needed (1)
SH56710860	ABS Modulator Bolt	As Needed (2)
SL15100809	ABS Modulator Nut	As Needed (2)
SL15101011	ABS Modulator Bracket Nut	As Needed (2)

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.



3. Apply the parking brake.

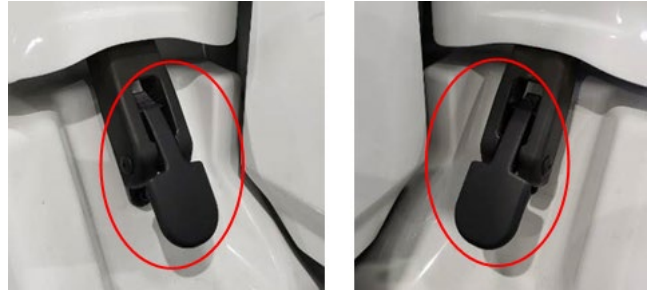


4. Chock all the wheels.



INSPECTION PROCEDURE

1. Release the hood latches on the left and right side of the vehicle and fully raise the hood.

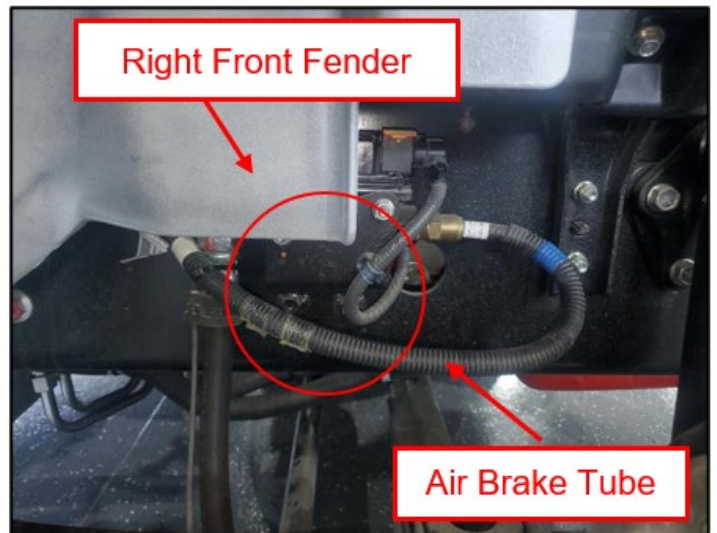
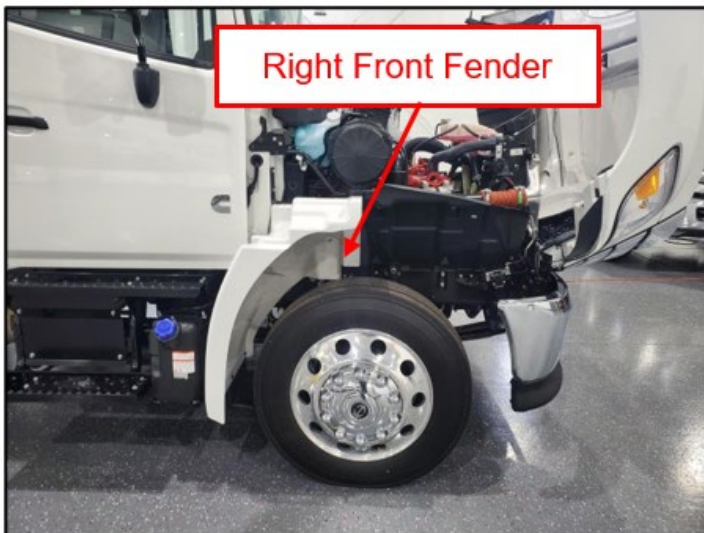


2. Inspect the passenger side front air brake tube for signs of rubbing on the passenger side front fender. If visually inspecting from a distance, brake tube may not currently be touching the fender although, a closer inspection of the tube is necessary to determine if there are signs of rubbing or contact between the air brake tube and the fender.

Are there any signs of the air brake tube rubbing on the passenger side front fender?

Yes - Proceed to step 4 of the **INSPECTION PROCEDURE**.

No - Proceed to step 11 of the **REPAIR PROCEDURE**.



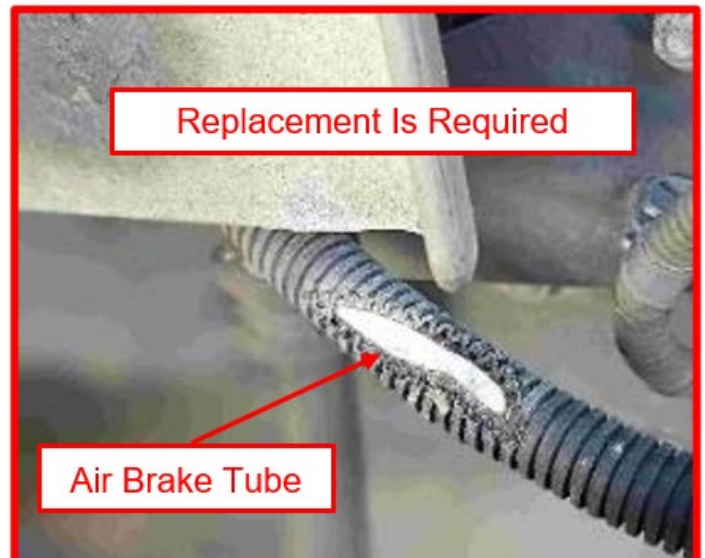
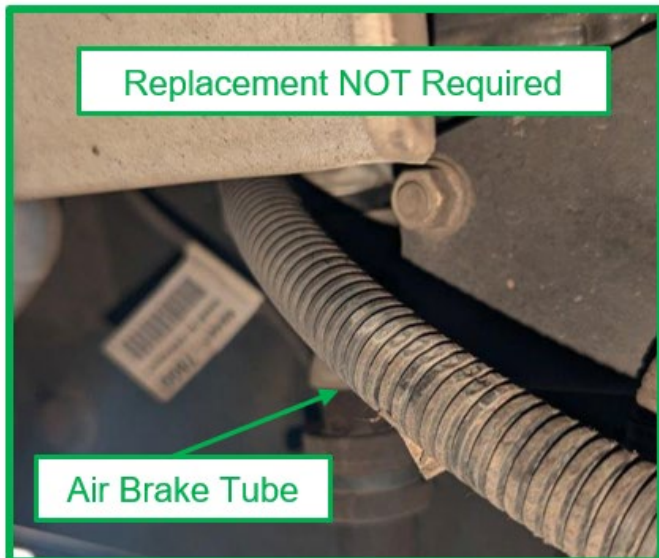
INSPECTION PROCEDURE

3. Inspect the air brake tube in the area that shows evidence of contacting the right front fender. If the corrugate tube is completely worn through and the “white” inner portion of the air brake tube is exposed, the air brake tube will require replacement. Reference the photographs below as a reference.

Does the air brake tube require replacement?

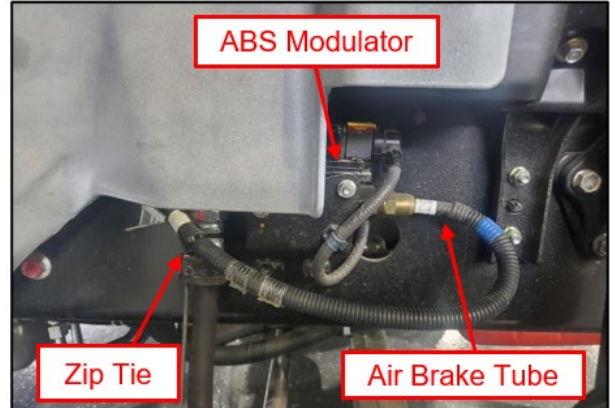
Yes - Proceed to step 1 of the **REPAIR PROCEDURE**.

No - Proceed to step 11 of the **REPAIR PROCEDURE**.



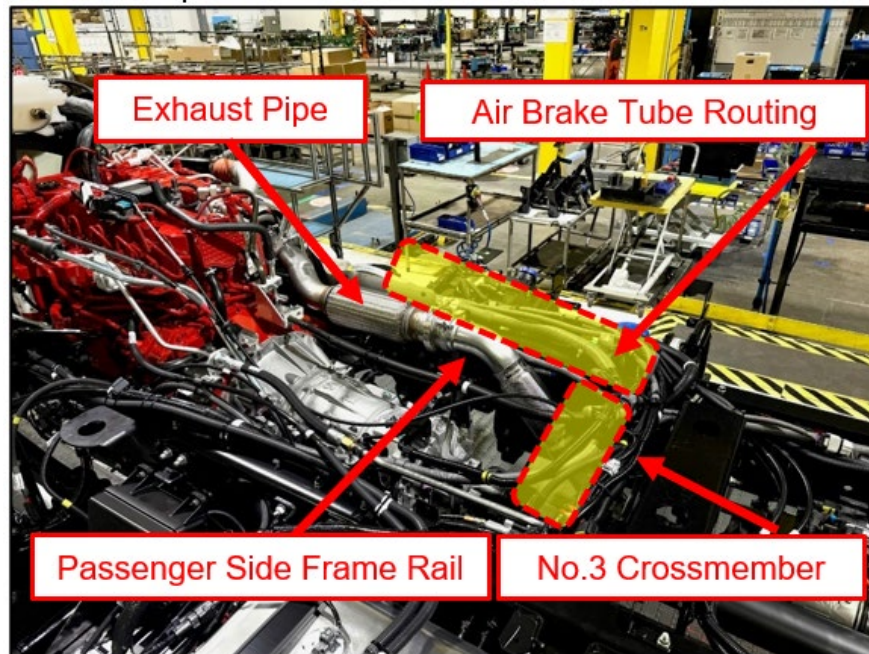
REPAIR PROCEDURE

1. Disconnect the air brake tube from the passenger side ABS modulator. Remove and discard the zip tie.

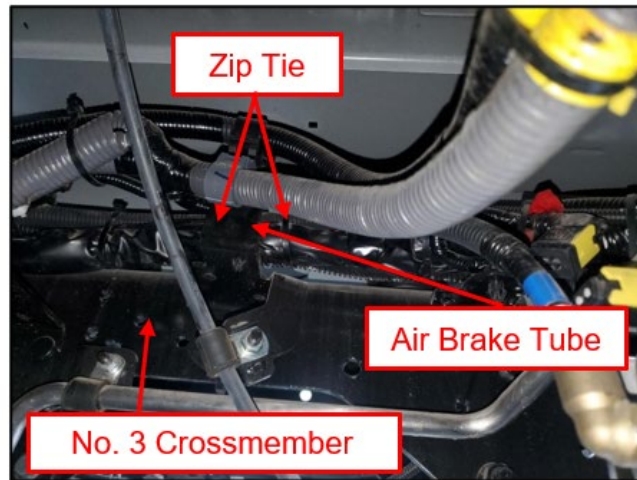
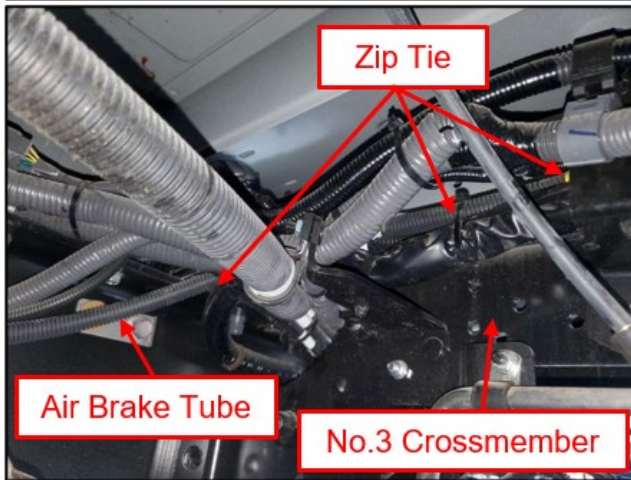
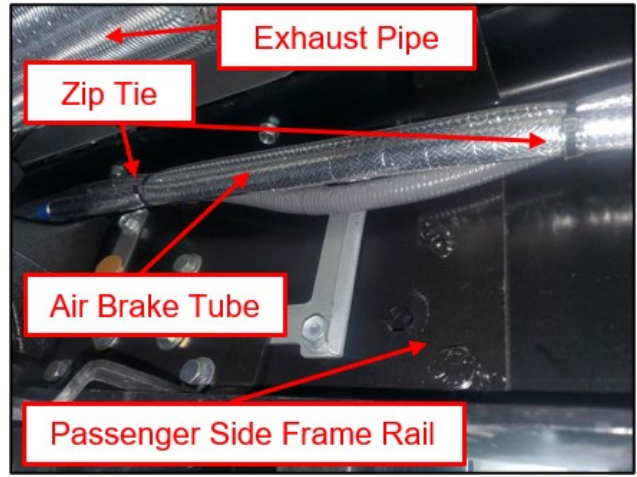
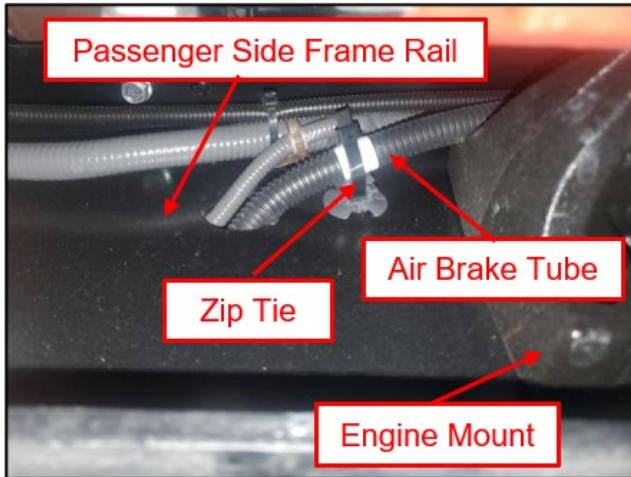


2. Along the inner passenger side frame rail and No. 3 crossmember, remove and discard the remaining eight zip ties securing the air brake tube.

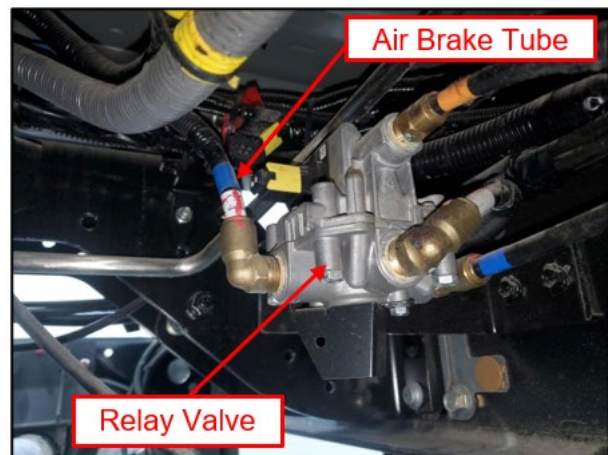
NOTICE: Make note of the zip tie locations.



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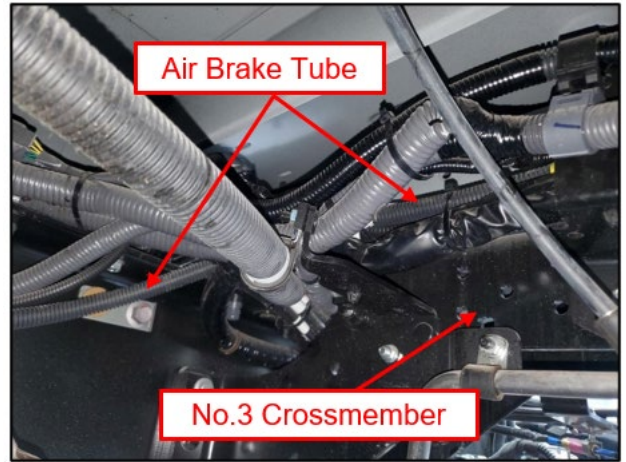
3. Disconnect the air brake tube from the relay valve.



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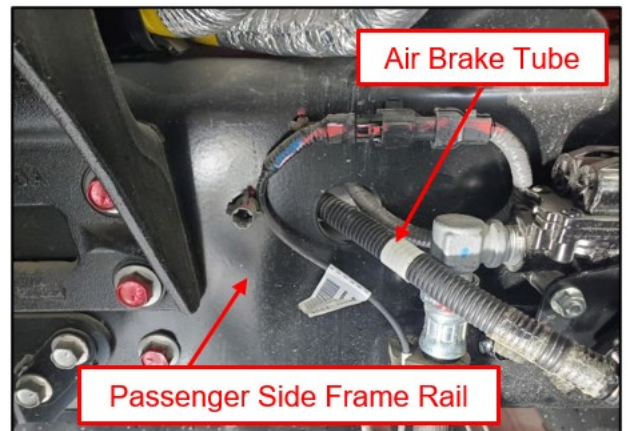
4. Remove the rear portion of the air brake tube from the No. 3 crossmember.

NOTICE: Make note of the air brake tube routing so that you're able to route the new air brake tube into the same position and orientation.

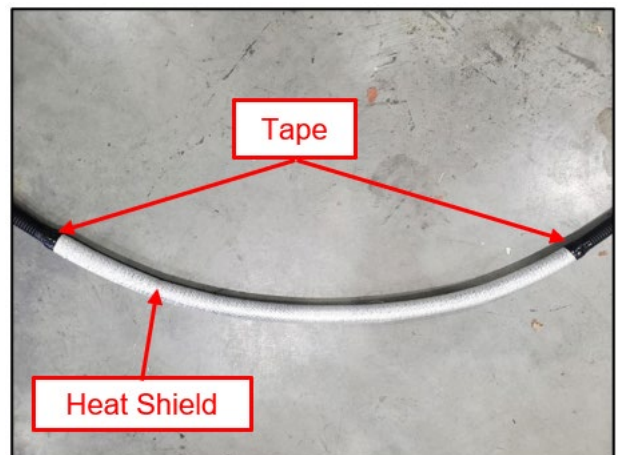


5. Complete removal of the air brake tube from the vehicle chassis through the hole in the frame rail. During removal, care should be taken to not damage the heat shield that is wrapped around the corrugate tube. Retain the air brake line.

NOTICE: Fender removal is not required; it has been removed for clarity.

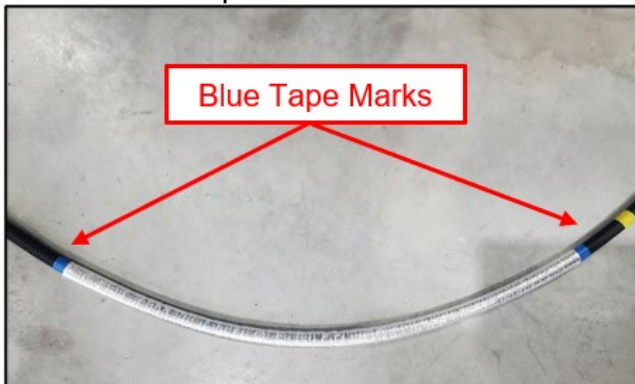


6. With the air brake tube removed from the vehicle, remove and discard the tape from both ends of the heat shield. Remove and retain the heat shield, discard the air brake tube.



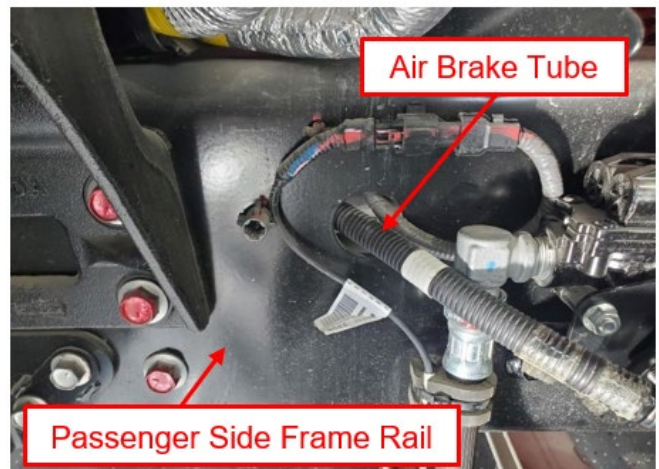
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7. Install the heat shield, removed in step 6 of the REPAIR PROCEDURE, on to the new air brake tube. Position the heat shield between the two blue tape marks as shown. Secure both ends of the heat shield to the air brake tube with heat resistant tape.



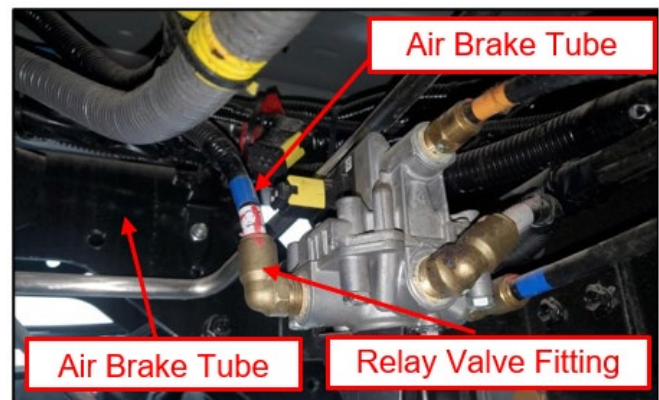
8. Begin routing the air brake tube through the hole in the frame rail. Care should be taken to not damage the heat shield as it's routed through the hole in the passenger side frame rail.

NOTICE: Fender removal is not required; it has been removed for clarity.



9. Route and position the rear portion of the air brake tube over the No. 3 crossmember. Connect the air brake tube to the relay valve by pushing straight into the fitting.

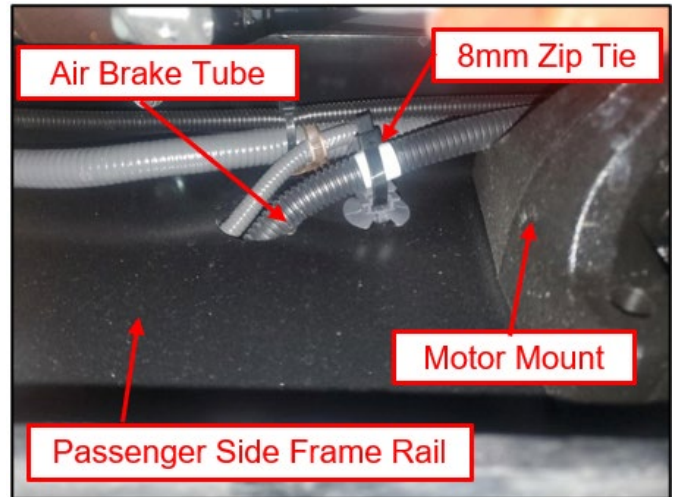
NOTICE: Ensure the air brake tube is routed the same as removed in step 4.



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10. With the new air brake tube positioned along the passenger side frame rail and No. 3 crossmember, install the eight zip ties in the same locations as removed in step 2.

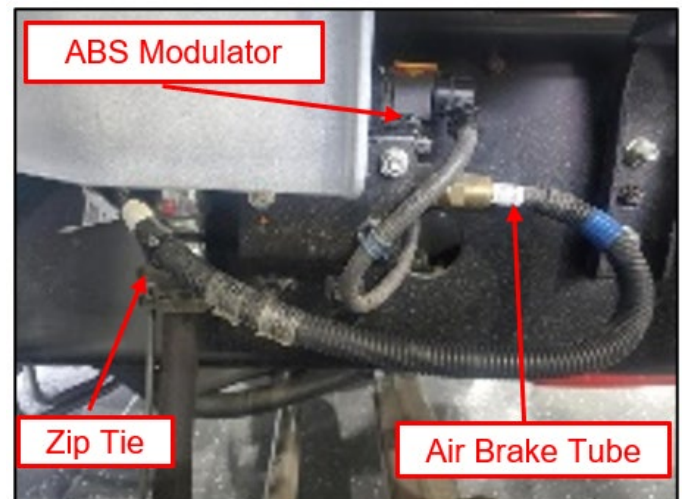
Proceed to step 12 of the repair procedure



NOTICE: Prior to installing and fully tightening any zip ties, make certain the passenger side front air brake tube is routed in the same position as it was removed.

NOTICE: The 8mm zip tie is installed in the location shown.

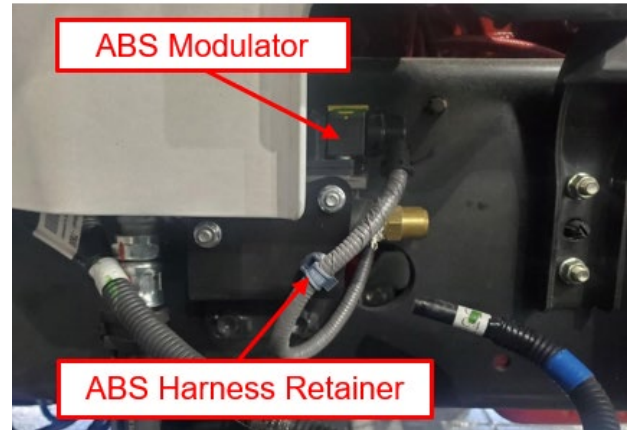
11. Disconnect the air brake tube from the ABS modulator. Remove and discard the zip tie.



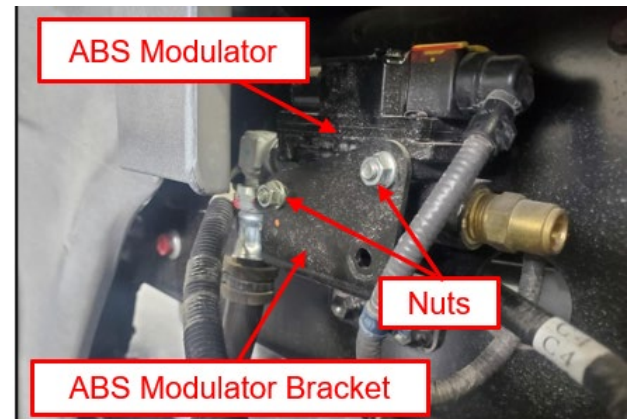
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12. Remove the ABS harness retainer by depressing the tabs.

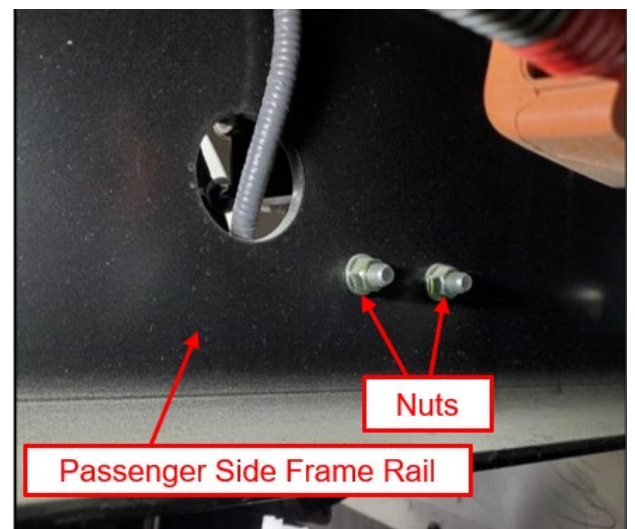
NOTICE: Do not cut or damage this ABS harness retainer. It will be reused during reassembly.



13. Remove and retain the two nuts securing the ABS modulator to the ABS modulator bracket.



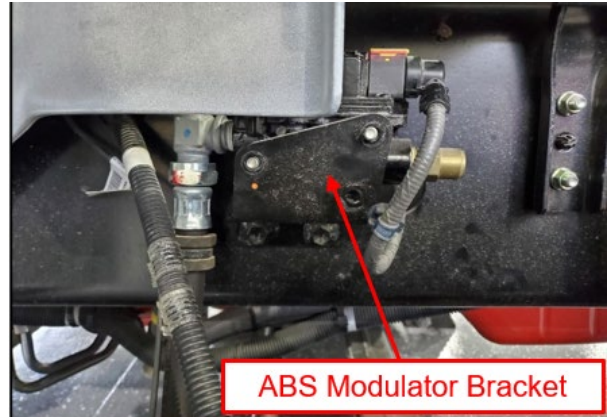
14. Remove and retain the two nuts securing the ABS modulator bracket to the passenger side frame rail.



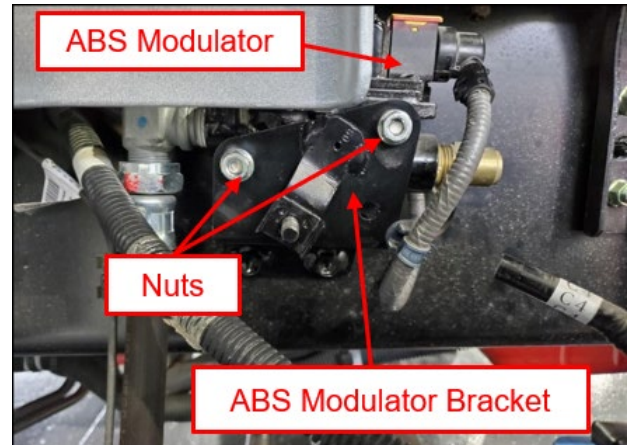
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15. Remove and discard the ABS modulator bracket.

NOTICE: Hold the ABS modulator in position when removing the bracket.

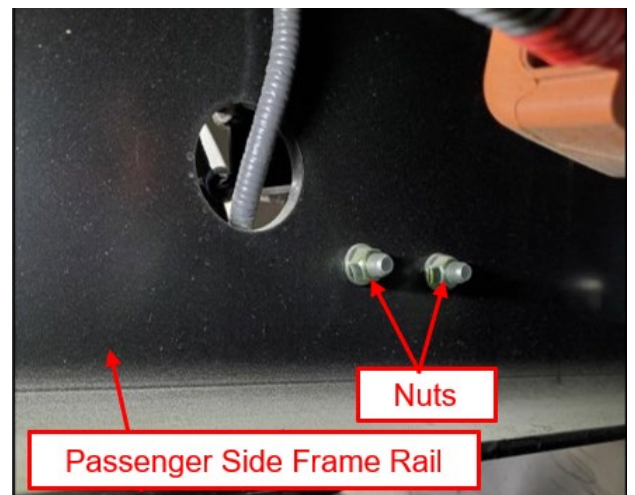


16. Position the new ABS modulator bracket up against the ABS modulator. Using the two nuts removed in step 13, hand start the nuts but do not tighten them at this time.



17. Position the ABS modulator bracket to the passenger side frame rail using the two nuts removed in step 14. Tighten to the two nuts to the specified torque.

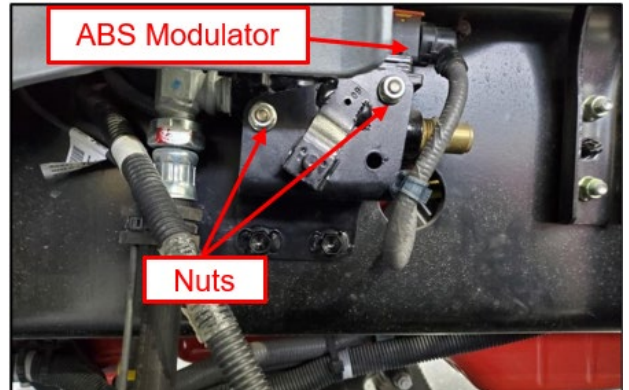
Specified Torque: 38 Ft-lb (51 Nm)



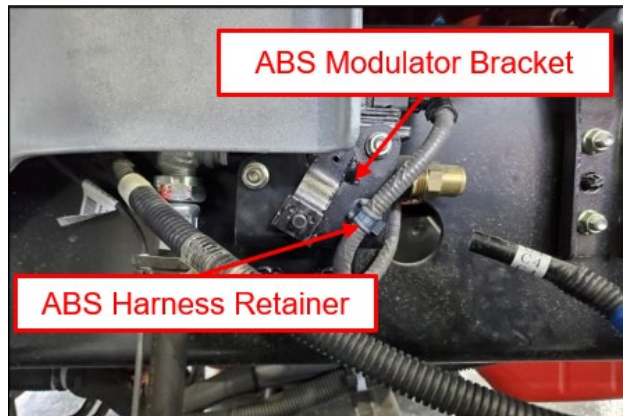
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18. Tighten the two ABS modulator nuts to the specified torque.

Specified Torque: 16 Ft-lb (22 Nm)



19. Secure the ABS harness retainer to the new ABS modulator bracket.

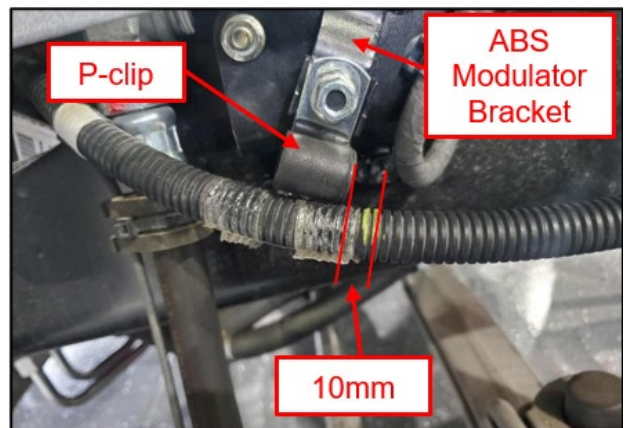


20. Was the air brake tube replaced?

Yes – Proceed to step 24

No – Proceed to step 21

21. Temporarily install the supplied P-clip and nut on to the ABS modulator bracket as shown in the photograph. Mark the air brake tube 10mm in front of the P-clip. Remove and retain the P-clip and nut.

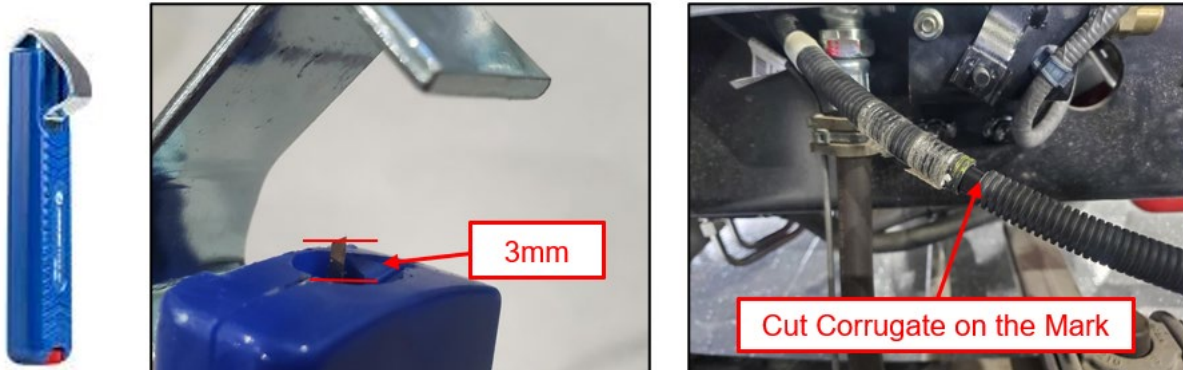


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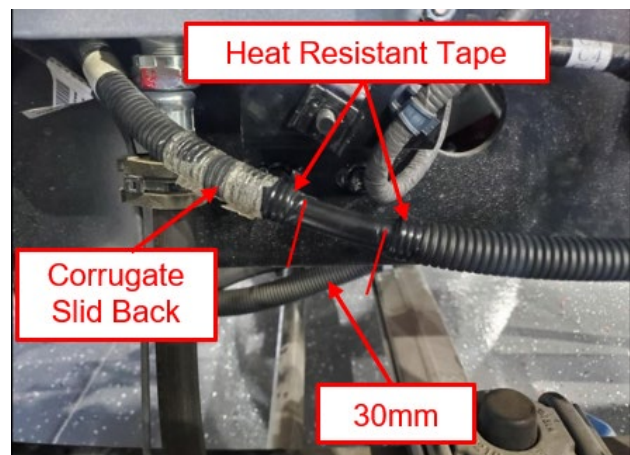
22. Cut the corrugate on the mark made in step 21 using SST# CST-900.

NOTICE: Set the cutting depth of the SST# to 3mm.

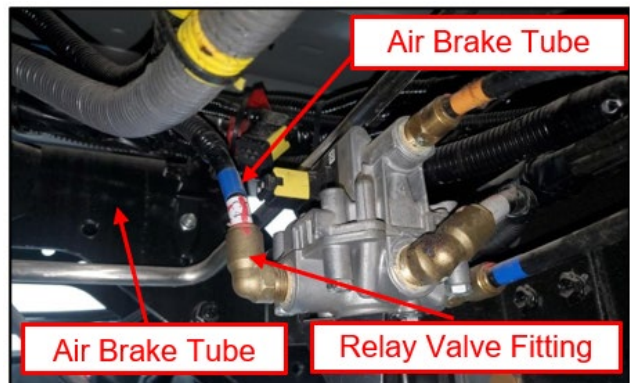
WARNING: Extreme care must be taken while cutting the corrugate to ensure the air brake tube is not damaged.



23. Slide the corrugate back 30mm and secure both ends to the air brake tube with heat resistant tape.



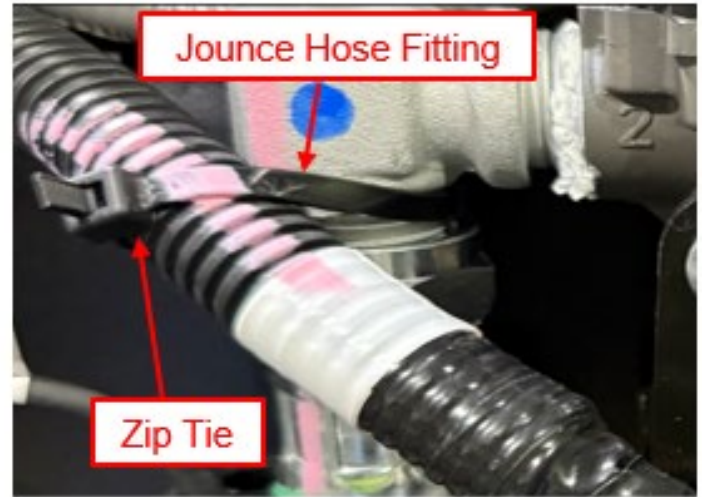
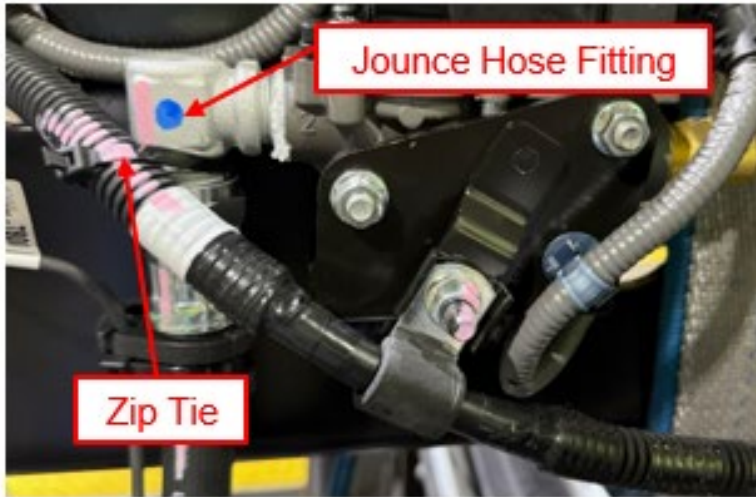
24. Connect the air brake tube to the ABS modulator by pushing straight into the fitting. Install the P-clip onto the air brake tube, along the section of the tube where the corrugate is missing. Install the P-clip to the bracket using the supplied nut and tighten the nut to the specified torque.



Specified Torque: 16 Ft-lb (22 Nm)

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25. Install zip tie to secure the air brake tube to the jounce hose fitting as shown.



26. Close the hood and secure the driver side and passenger side hood latches.





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FINAL INSPECTION

1. To complete this procedure review and confirm the following:
 - The air brake tube is correctly routed along the passenger side frame rail and No. 3 cross member.
 - All zip ties are tightened to secure the air brake tube in the designated locations.
 - All nuts have been tightened to the specified torque.
 - The 2 air brake tube connections are secure, and no air leaks are present.
 - The hood has been lowered and both left and right hood latches are latched in the locked position.

CLAIM APPLICATION

- Reimbursable in accordance within the terms and policies of the Hino limited warranties.
 - a) Claim Type: CR
 - b) Campaign No.: ABQ20
 - c) Labor charge:

Repair	Labor
Passenger Side Front Air Brake Tube Inspection, Bracket Replacement and P-clip Installation:	0.7 Hr.
Passenger Side Front Air Brake Tube Inspection, Bracket Replacement, P-clip Installation with Air Brake Tube Replacement:	1.2 Hr.

- d) Warranty code: 31340
- e) Trouble code: 98
- f) Operation code: 31350AOT
- g) Original failed part: 9999999999