



2021MY MODULATOR RELIABILITY COLLECTION

CAMPAIGN NO: T1070
DATE: 5/12/2023

SUBJECT VEHICLES: Certain 2021 model year NJ8J and NV8J Hino Conventional vehicles produced at the Mineral Wells, West Virginia assembly plant.

Note: *Refer to the appropriate Vehicle Identification Number in the warranty system to determine vehicle eligibility.*

OVERVIEW:

Hino quality is randomly collecting front air brake modulator valves to analyze performance and measure any potential corrosion. The following procedure provides instruction for replacing the modulator and properly identifying each part for investigation.

BEFORE YOU BEGIN:

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **NOTICES** and **WARNINGS** 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.
- Apply the parking brake firmly and confirm parking brake activation.
- Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.
- Wear safety glasses to prevent eye injuries.
- Place wheel chocks in front of and behind all the wheels to prevent the vehicle from moving.

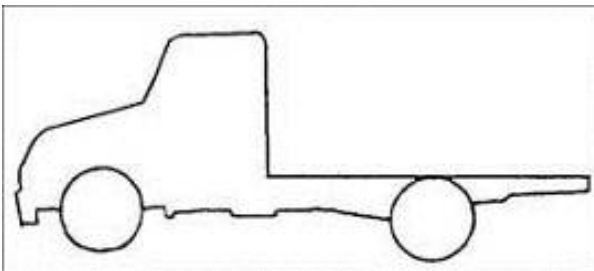


PARTS:

PART NUMBER	PART DESCRIPTION	QUANTITY
44600EW010-A	Air Brake ABS Modulator	2

VEHICLE PREPARATION:

1. Park the vehicle on a level and solid surface. Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.



2. Apply the parking brake. Chock all of the wheels.



Repair Procedure:

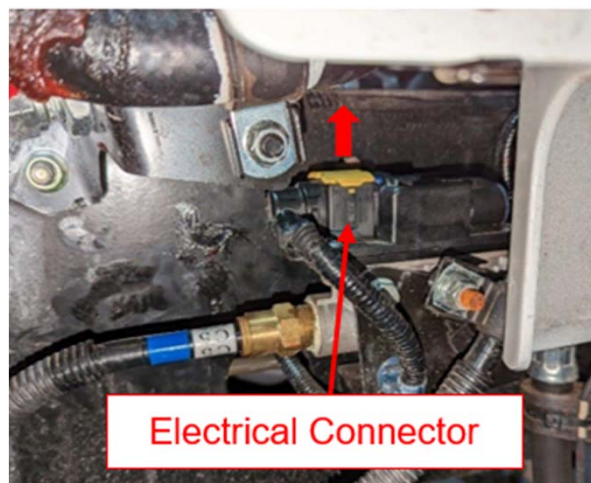
1. Release the hood latches on the left and right side of the vehicle.



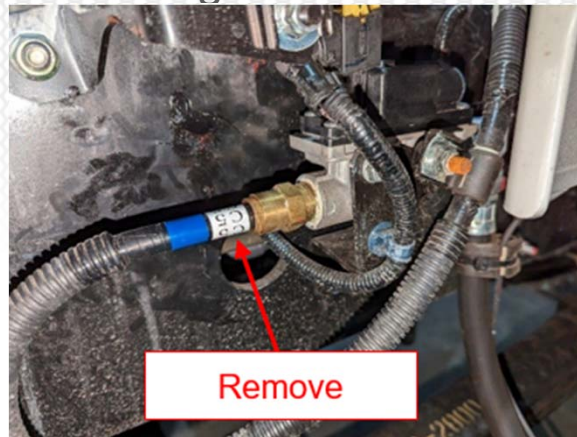
2. Fully raise the hood.



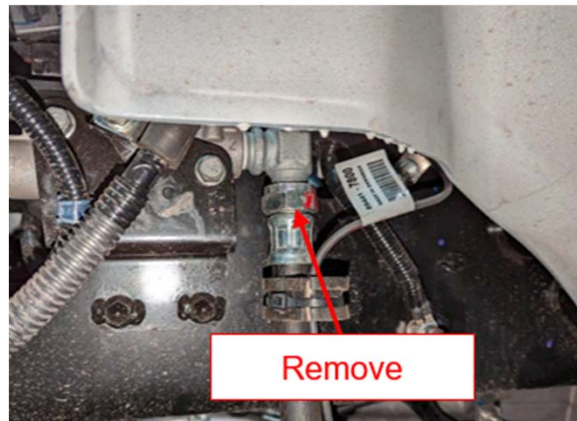
3. Locate the left front brake ABS modulator on the frame rail inside of the left front wheel. Disconnect the electrical connector from the left front brake ABS modulator by sliding the yellow locking mechanism up and away from the connector.



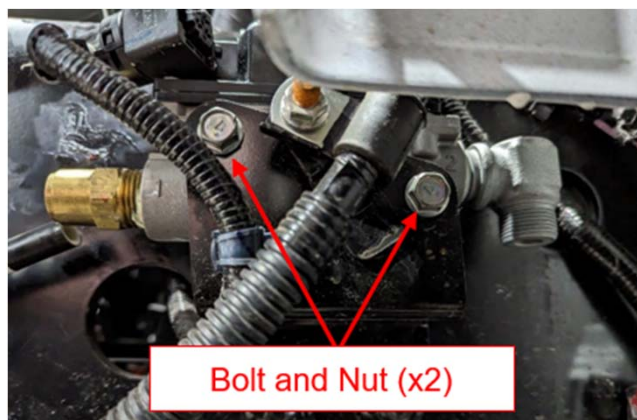
4. Release the air line from the inlet of the left front brake ABS modulator by depressing the retaining ring around the line and pulling the line from the fitting.



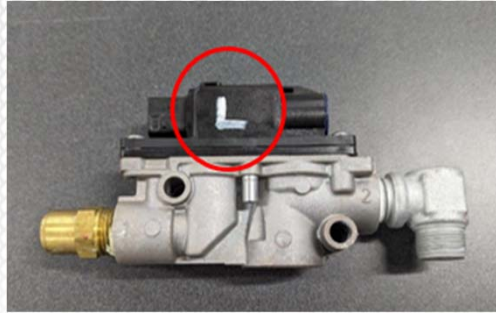
5. Remove the brake hose from the outlet of the left front brake ABS modulator. Make certain that the sealing washer remains in the brake hose fitting.



6. Remove the two bolts and nuts securing the left front brake ABS modulator to the chassis and remove the ABS modulator. Retain the bolts and nuts for reassembly.



7. Label the old left front ABS modulator with an “L” before continuing.

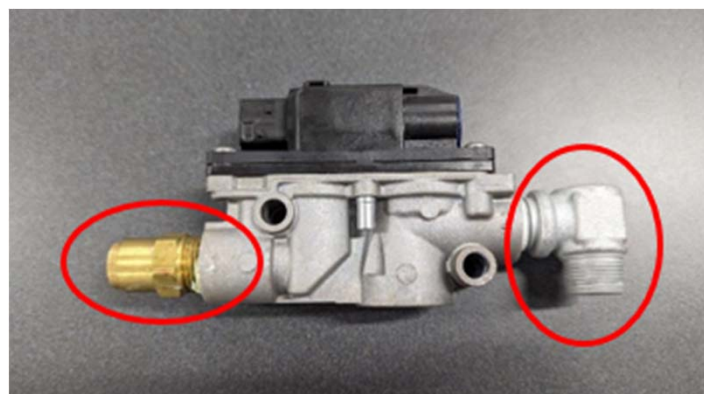


8. Remove the fittings from the old left front brake ABS modulator and clean old sealer from the threads.



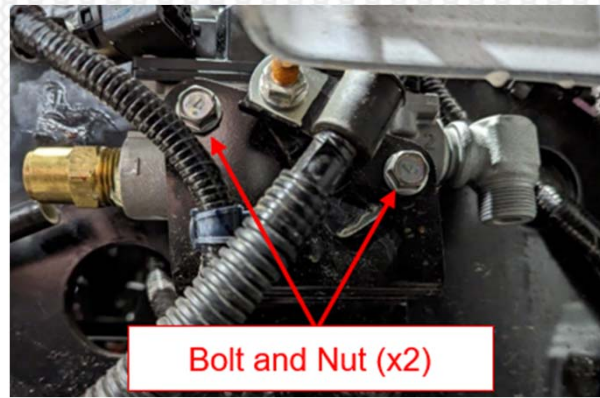
9. Apply Loctite 575 thread sealer to the threads of the fittings removed in step 8 and install in the new ABS modulator. The brass fitting installs in port “1” and the elbow fitting installs in port “2”. Tighten the fittings to the specified torque. Advance the elbow fitting as needed to achieve the orientation shown.

Specified Torque: 33 lb-ft (44Nm)



10. Install the new left front brake ABS modulator using the bolts and nuts removed in step 6. Tighten the fasteners to the specified torque.

Specified Torque: 16 lb-ft (22Nm)

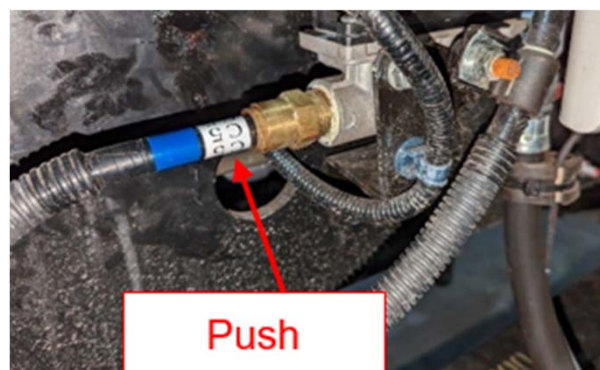


11. Verify the sealing washer is installed in the brake hose fitting then connect the brake hose to the outlet of the left front brake ABS modulator and tighten to the specified torque.

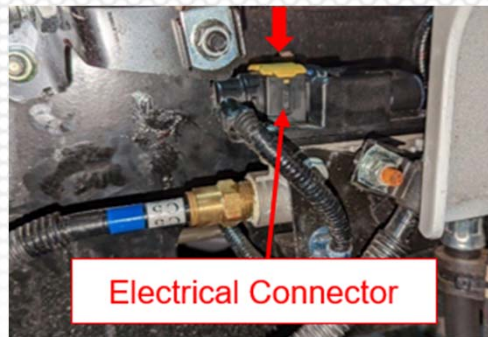
Specified Torque: 31 lb-ft (42Nm)



12. Connect the air line to the left front brake ABS modulator inlet fitting by firmly pushing the line into the fitting until it stops.

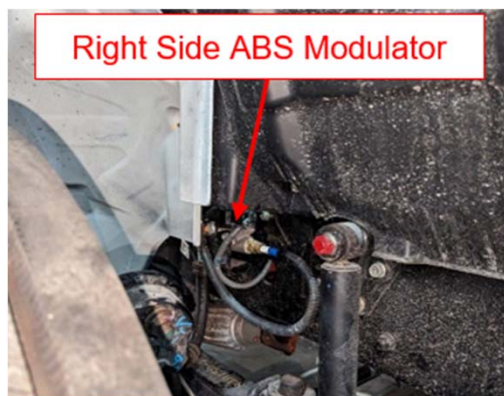


13. Connect the electrical connector to the LH ABS modulator, ensure the yellow connector slide lock is fully depressed.



14. Repeat steps 3 through 13 on the right front brake ABS modulator.

NOTE: Be certain to label the old right front brake ABS modulator with an “R” to indicate the position it was removed from.



15. Place the removed ABS modulators in the replacement part boxes, ensure the boxes are properly labeled with vehicle information. These will be collected through the warranty part return process.

FINAL INSPECTION:

1. To complete this procedure review and confirm the following:
 - Both front axle brake ABS modulator valves have been replaced
 - The removed brake ABS modulator valves have been labeled “Left” and “Right” for warranty part return
 - No air leaks are present on the vehicle

CLAIM APPLICATION

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

2021MY Modulator Reliability Collection

- a) Campaign No.: T1070
- b) Labor charge: 0.8 Hours
- c) Warranty code: 88612
- d) Trouble code: 40
- e) Operation code: 88650AOT
- f) Original failed part: 44600EW010

