

VOLUNTARY CAMPAIGN BULLETIN

SUBJECT: Parking Brake Damper Replacement

DATE: 01-26-2015

CAMPAIGN NO.: A9990

AFFECTED MODELS: Certain 2015 Model Year Conventional Trucks with hydraulic brakes

IMPORTANT:

Verify the vehicle requires the work to be performed by referencing the vehicle by VIN within the Hino Warranty System (DCS).

CONDITION:

A parking brake lever with a one-way damper may not return fully to the “at rest” position unless the driver fully lowers the lever, depending on the adjustment of the parking brake cable, enabling the switch to be fully depressed. The following procedure provides instruction for the replacement of the one-way damper of the parking brake lever with a two-way damper to ensure full return to the “at rest” position without driver input.

SUBJECT VEHICLES:

Certain 2015 Model Year Conventional trucks with hydraulic brakes that were assembled at the Williamstown, WV plant.

NOTICE: 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 level and solid surface and apply the parking brake.
- Confirm 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 wheels.

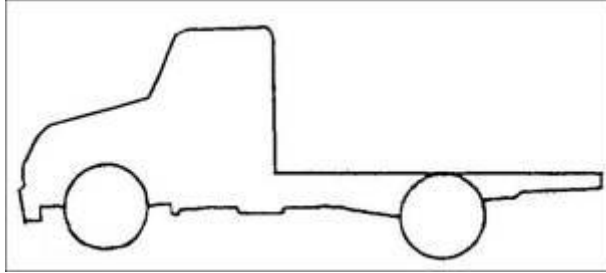
PARTS:

PART NUMBER	DESCRIPTION	QUANTITY
87319E0010	DAMPER	1

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VEHICLE PREPARATION:

1. Park the vehicle on level ground.



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.



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4. Chock all of the wheels.



REPAIR PROCEDURE:

1. Remove the 2 screws securing the parking brake lever assembly cover and then remove the cover. Retain these parts for reassembly.



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2. With the parking brake lever in the released position, carefully remove the clips retaining the pins that connect the damper to the lever assembly. Refer to the photograph to the right for reference. Note that the lever is removed from the vehicle for clarity.



3. Remove the pins from the lever, noting the assembly order of the rubber washers on the lower pin on either side of the damper rod. Remove and discard the old oil filled damper. Retain the mounting hardware for reassembly.



4. Install the new damper (87319-E0010) in the reverse order of installation. The damper can only be installed in one direction due to pin diameter. Ensure the rubber washers are installed in the correct order on the lower pin.



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5. Ensure the retaining clips are reinstalled and properly seated on both damper pins. Verify that the parking brake lever releases completely.



6. Remove the screw and the nut for the parking brake lever handle and then remove the handle by pushing the handle toward the front of the vehicle.



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7. Using the adjustment knob on the lever, set the pin height to the specified value. It will be necessary to release the lever to rotate the adjustment knob and then re-apply the lever to measure. Refer to the photograph to the right for measurement location. Final adjustment will be made later.

Standard Pin Height: $56 \pm 2\text{mm}$



8. Proceed to Parking Brake Cable Adjustment.

PARKING BRAKE CABLE ADJUSTMENT:

1. Use a pull force gauge 20mm from the end of the lever to measure the maximum force required to apply the parking brake lever. Refer to the standard value. If adjustment is required, continue to step 2. If the pull force is within specification, skip to step 3.

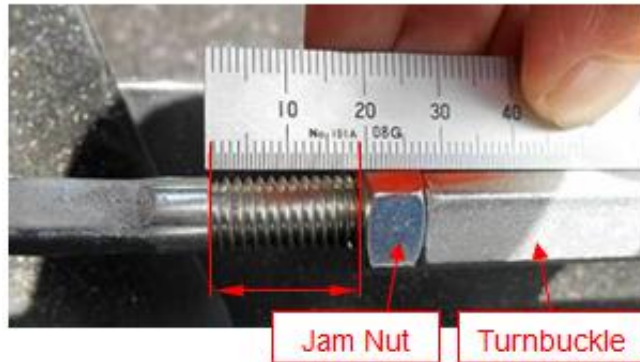
Standard Value: $257\text{N} \pm 24.5\text{N}$

NOTICE: For minor adjustments, the lever knob can be used as long as pin height is within $56\text{mm} \pm 2\text{mm}$



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2. Use the cable turnbuckle located inside the driver side frame rail to adjust lever pull force. Tighten the jam nut to specified torque when complete. Confirm that the exposed threads on the No.2 parking brake cable is less than 69mm after adjustment is complete. The photo to the right shows 19mm of exposed threads.



Specified Torque: 20 lb-ft (27 Nm)

3. Ensure the retaining clips are reinstalled and properly seated on both damper pins. Verify that the parking brake lever releases completely. Replace the parking brake lever assembly cover and reinstall the retaining screws. Tighten to the specified torque.

Specified Torque: 1.5 lb-ft (2.0 Nm)



4. Slide the parking brake lever handle over the lever. Reinstall the retaining screw and tighten to the specified torque.

Specified Torque: 1.1 lb-ft (1.5 Nm)



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5. Proceed to Final Inspection.

FINAL INSPECTION:

1. To complete this campaign procedure, review the campaign and confirm the following:
 - The parking brake lever pull force is within specification.
 - The parking brake cable turnbuckle locknut is torqued to specification.
 - All components that were removed and/or replaced have been properly installed and fasteners torqued to their specification.
 - The parking brake lamp works correctly with the parking brake lever in the applied and unapplied positions.

Claim Application:

- a) Campaign No: A9990
- b) Labor Charge: 0.5hr
- c) Warranty Code: 33310
- d) Trouble Code: 98
- e) Operation Code: 33350AOT
- f) Original Part Number: 9999999999