



SAFETY RECALL

**AACL0 CONVENTIONAL ALP DRUM AND DUST
SHIELD INSTALLATION**

RECALL NO: AACL0

DATE: 2-11-2019

REFERENCE: HMM-190115-N1

SUBJECT VEHICLES: Certain 2007 through 2019 model year Hino Conventional NJ8J (258ALP) vehicles equipped with a J08 engine that were assembled at the Williamstown, WV assembly plant, or the Ontario California, U.S.A. assembly plant.

OVERVIEW:

Due to the absence of dust shields on the front brake assemblies and differences in airflow around the right and left brake assemblies, in very wet conditions, the recalled vehicle population may exhibit a brake pull to the left during hard braking events. Investigation shows that the right brake assembly is becoming saturated with water while the left brake assembly stays dry during such conditions. A newly designed brake drum, which accommodates dust shields for brake assemblies, will be installed on all the subject vehicles.

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.

Note: *Refer to the appropriate Vehicle Identification Number in the warranty system 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 “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.

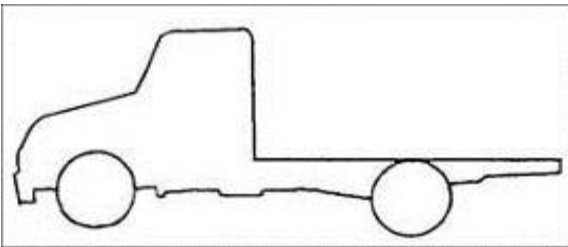


PARTS:

PART NUMBER	PART DESCRIPTION	QUANTITY
85123862002	BRAKE DRUM	2
KIT12011	TWO PIECE DUST SHIELD	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.



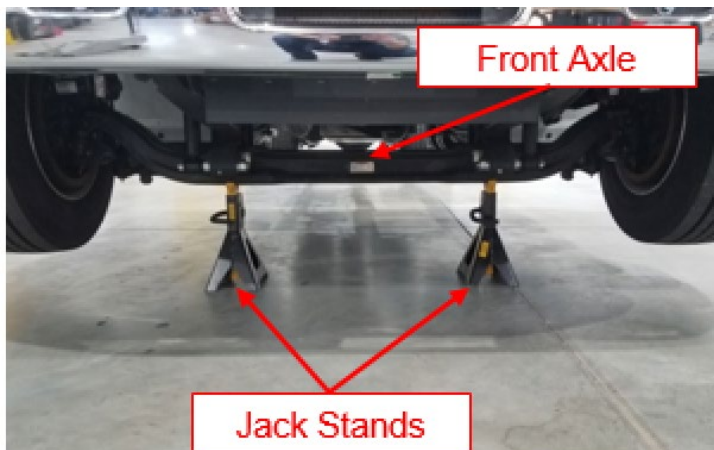
4. Chock the rear wheels.



Repair Procedure:

WARNING: Failure to properly support the vehicle could result in serious injury or death.

1. Raise the front axle and support using jack stands.

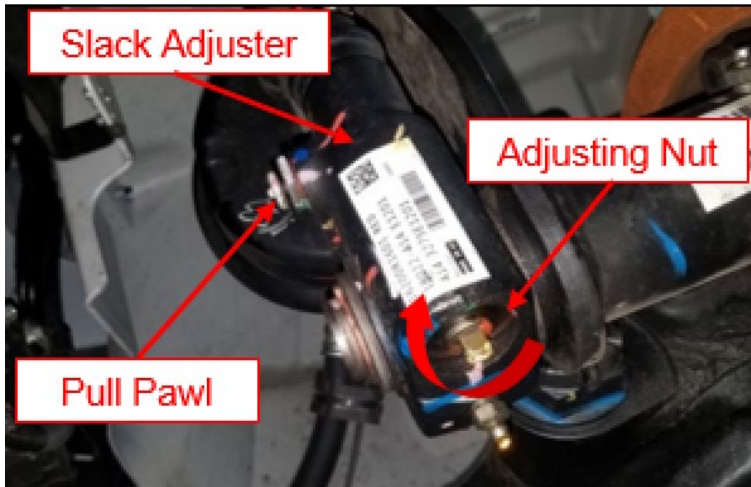


WARNING: The wheel is heavy and may require an assistant to remove.

2. Remove the ten lug nuts from the left front wheel. Remove the wheel.



3. Release the pull pawl on the slack adjuster using a flat bladed screwdriver and rotate the adjusting nut until the brake shoes are fully retracted.

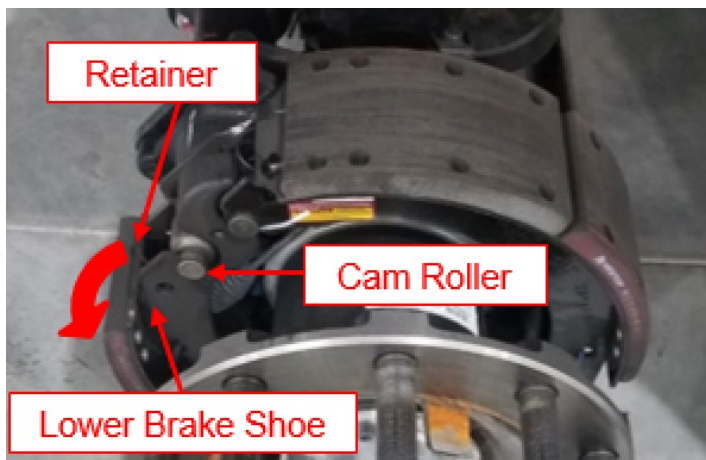


WARNING: The brake drum is heavy and may require an assistant to remove.

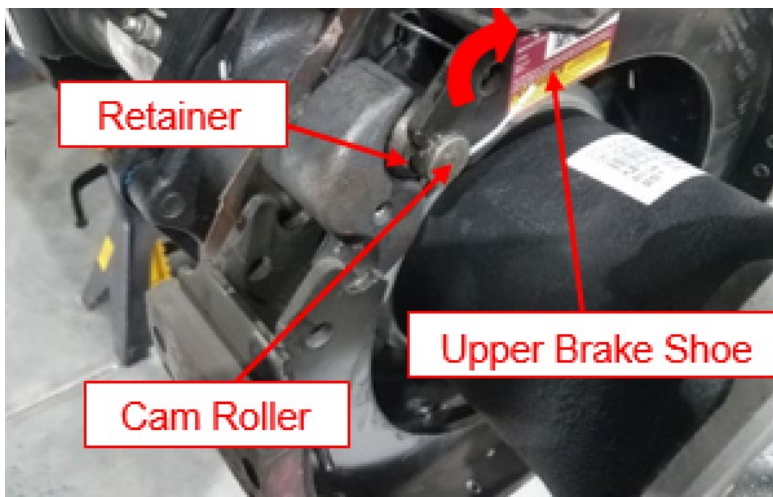
4. Remove the brake drum from the hub.



5. Push down on the lower brake shoe. Pull on the cam roller retainer clip to disengage the retainer and cam roller from the brake shoe. Remove the lower brake shoe cam roller. Discard the cam roller.



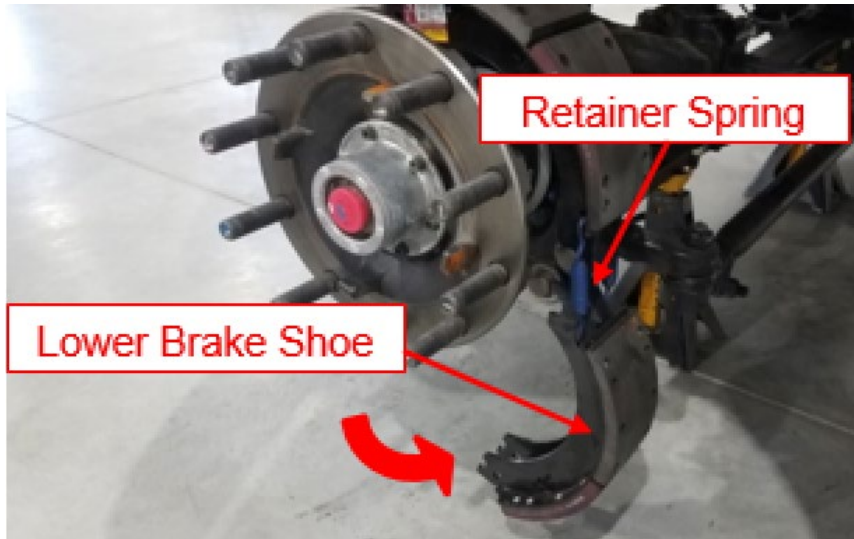
6. Lift the upper brake shoe. Pull on the cam roller retainer clip to disengage the retainer and cam roller from the brake shoe. Remove the upper brake shoe cam roller. Discard the cam roller.



7. While lifting the lower brake shoe, release the brake shoe return spring from the lower brake shoe.



8. Rotate the lower brake shoe downwards to release the tension on the brake shoe retainer spring. Remove the brake shoes and anchor pins. Discard the brake shoes, return spring, retainer spring, and anchor pins.



9. Using a 3/8x16 tap, clean the four threaded holes on the brake spider.

NOTICE: Only three of the four holes are pictured.



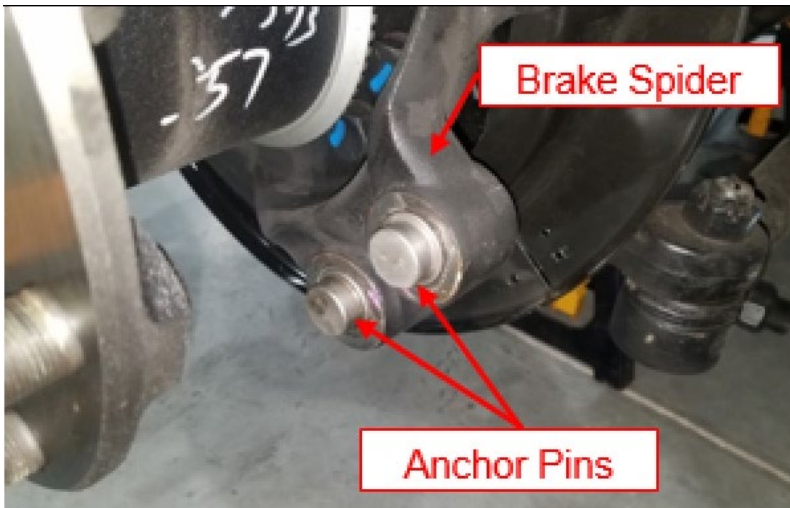
10. Install the two piece dust shield using four bolts provided in the kit. Tighten the bolts to the specified torque.

Specified Torque: 30 lb-ft (40Nm)

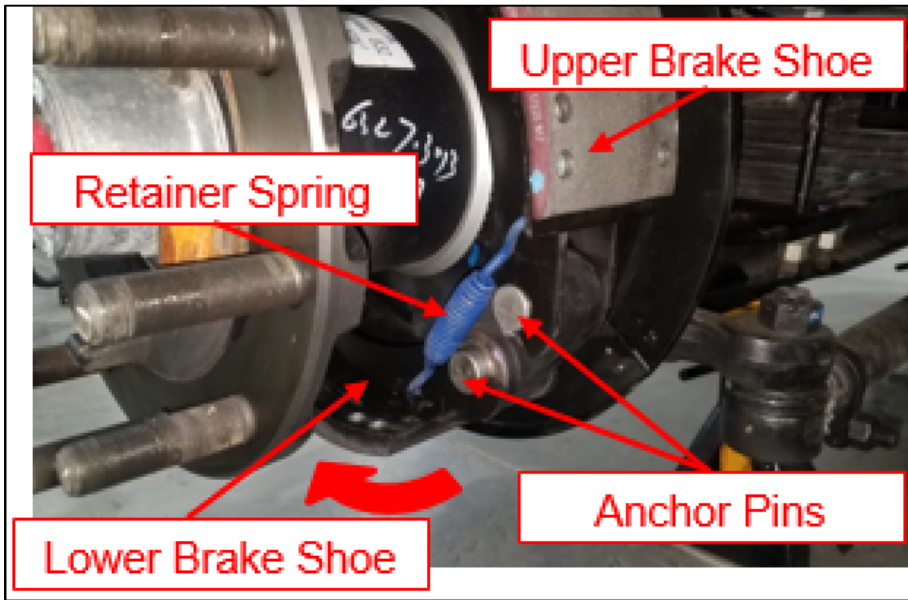
NOTICE: The four bolts are installed from the back side of the dust shield.



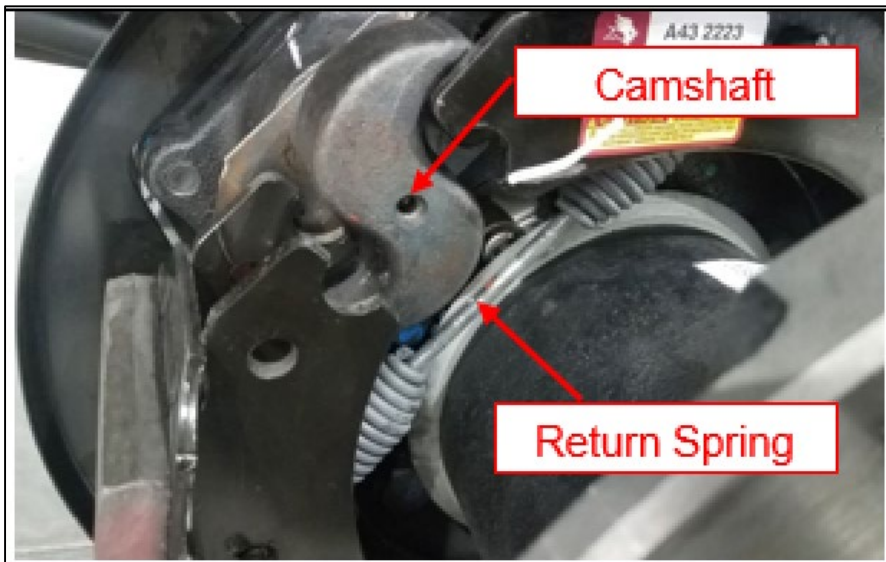
11. Apply NLGI grade 1 or 2 lithium grease to the new anchor pins provided in the kit. Install these in the brake spider.



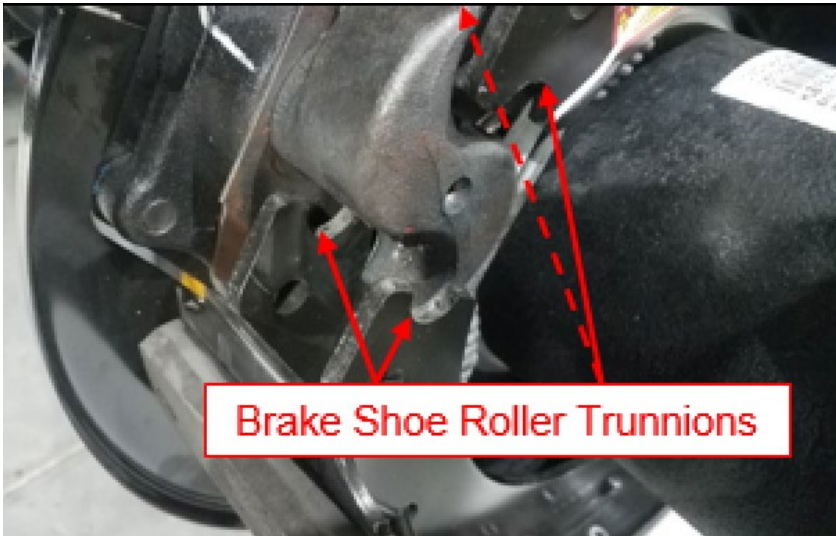
12. Place a new brake shoe on the upper anchor pin. Attach the new retainer spring and new return spring to the upper brake shoe. Connect the other end of the retainer spring to a new lower brake shoe. Rotate the lower brake shoe forward.



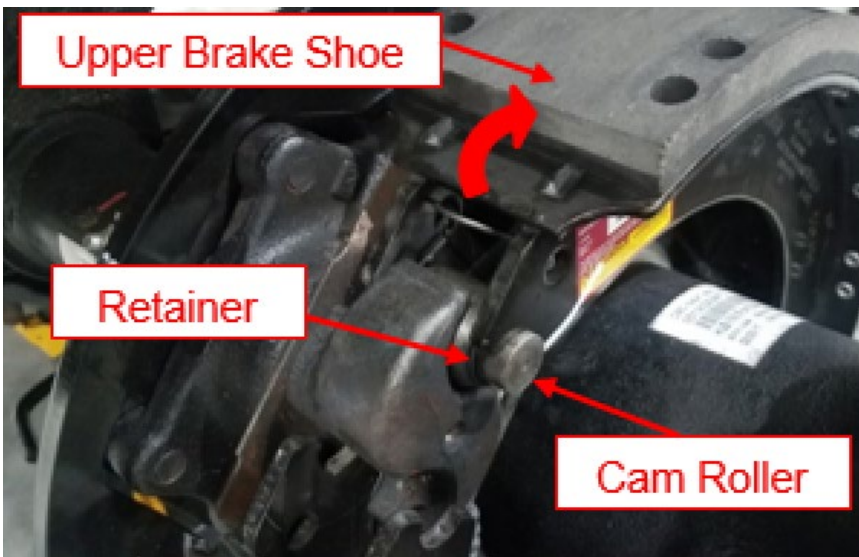
13. Install the other end of the new return spring with the open end of the spring hook facing toward the brake camshaft.



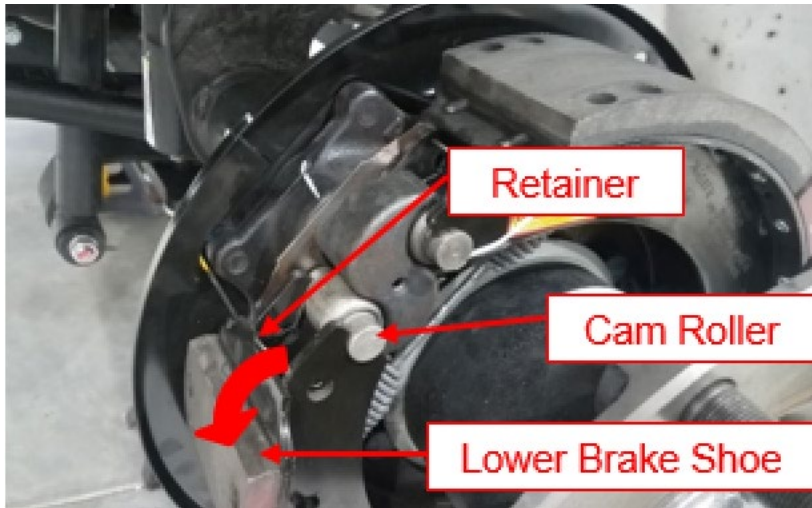
14. Apply NLGI grade 1 or 2 lithium grease to the 2 roller trunnions of each brake shoe.



15. Install the new upper brake shoe cam roller by lifting on the upper brake shoe and squeezing the roller retaining clip into place.



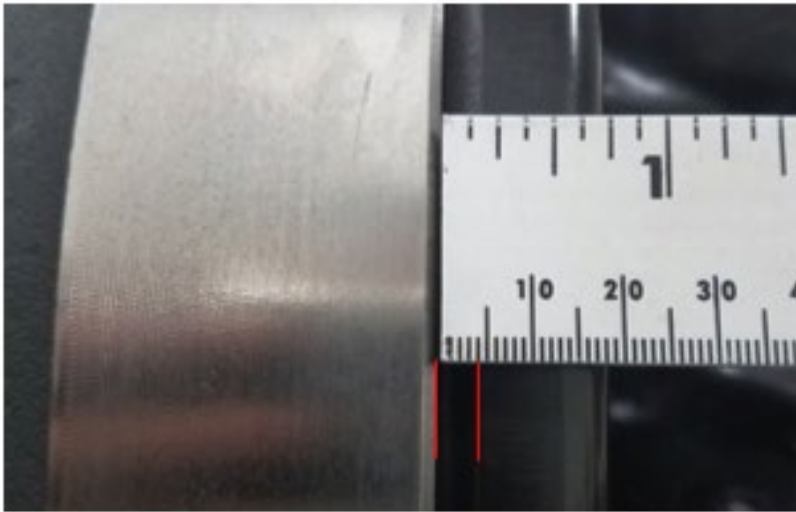
16. Install the new lower brake shoe cam roller by pushing down on the lower brake shoe and squeezing the roller retaining clip into place.



17. Install the new brake drum on the hub.



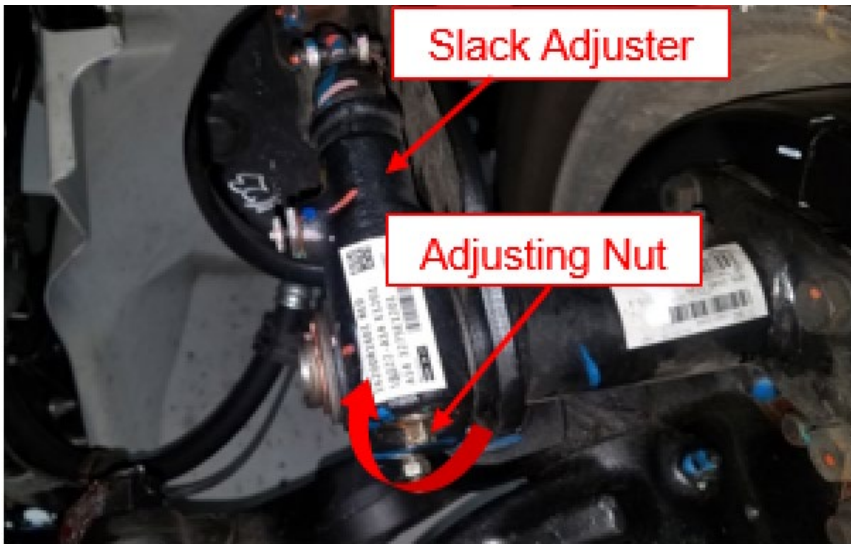
18. With the brake drum flush against the hub, verify 3mm to 6mm of clearance between the drum and the edge of the dust shield. Adjust the dust shield if necessary.



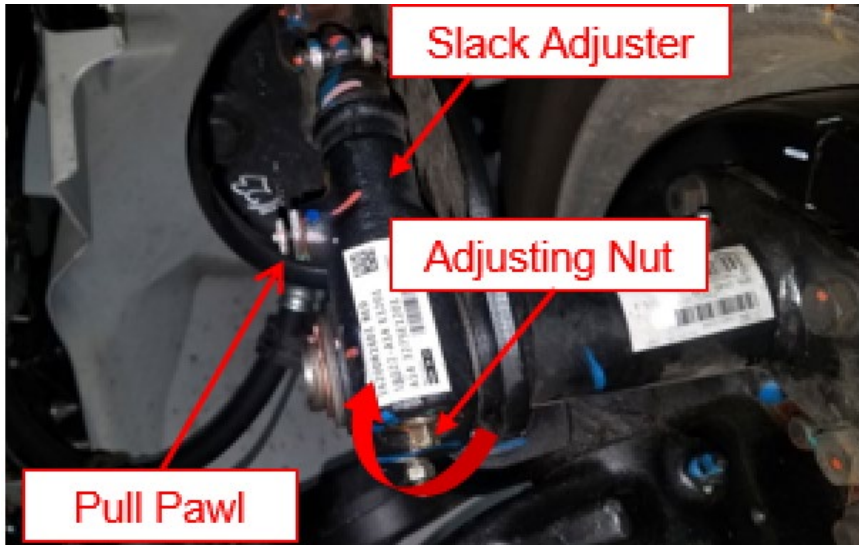
19. Reinstall the left front wheel and tighten the ten lug nuts.



20. Using the adjustment nut on the slack adjuster, advance the slack adjuster until the brake shoes contact the drum.



21. Release the pull pawl using a screwdriver and using the adjustment nut, back off the slack adjuster one-half turn. Verify the wheel rotates freely and brake chamber free stroke is 1/2 to 5/8 inches.



22. Repeat steps 2 through 21 on the right front brake.

23. Raise the front axle, remove the jack stands, and lower the front axle.



24. Tighten the front wheel lug nuts on both sides of the vehicle to the specified torque.

Specified Torque: 475 lb-ft (645Nm)



25. Proceed to final inspection.

FINAL INSPECTION

1. To complete this safety recall procedure, review and confirm the following:
 - Shields have been installed and properly torqued on both front brake assemblies
 - The front brakes have been properly adjusted
 - The front wheels have been properly torqued

CLAIM APPLICATION

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

Front Brake Drum and Dust Shield Installation:

- a) Recall No. AACL0
- b) Labor charge: 4.0hr (Drum replacement and Dust Shield Installation WITH Brake Shoe Replacement)
- c) Warranty code: 32113
- d) Trouble code: 22
- e) Operation code: 32150AOT
- f) Original failed part: 9999999999

