



WARRANTY ENHANCEMENT PROGRAM (WEP)

**CAB OVER ENGINE (COE)
BRAKE BOOSTER - AADD0**

**BULLETIN NO: WP-19-001
DATE: 6-20-2019
REF: QA-190524-N1**

SUBJECT VEHICLES: Certain 13MY-18MY Cab-Over Engine (COE) Trucks equipped with hydraulic brakes.

OVERVIEW:

- 1) Oil leak from the input rod: During the machining process of the input rod cylinder, a sharp protrusion was produced. This sharp protrusion scratched the packing seal, resulting in an oil leak.
- 2) Brake pedal kickback: In some cases, the brake pedal may be depressed beyond the operational limit which will create scars on the end of the plunger inside the booster. The scars cause the oil passage to narrow, resulting in unbalanced pressure. The unbalanced pressure causes a kickback sensation to occur. The kickback sensation does not affect the braking function but could lead to the customer contacting the dealer about a possible brake malfunction.

NOTE: This phenomenon occurs only when vehicles are cold and the brake pedal is being released slowly.

Warranty Terms

-Standard Warranty: 3 years from the delivery date to the initial end purchaser.

-Warranty enhancement program: 5 years (2yr. Extension) from the delivery date to the initial end purchaser. In addition, for vehicles beyond 5 years from the delivery date to the initial end purchaser, the cost of the repairs that occur within 1 year from the date of the customer notification letter, whichever is longer, will be covered by this program.

This warranty enhancement program only applies to the following two failure modes:

- Oil leak from the input rod
- Brake pedal kick back (when the vehicle is cold and the brake pedal is being released slowly).

For any other failure modes, standard warranty conditions will be applied.



PARTS:

Part Number	Part Description	Quantity
4461037311	Booster Assy, Brake	1

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.

REPAIR PROCEDURE:

Please refer to the Hino Service Manual for replacement instruction.

(Chapter:9-50~9-55 BRAKE/BRAKE CONTROL HYDROBOOSTER)



CLAIM APPLICATION

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

Under Standard Warranty period	(Submit as Normal warranty)
Subject of WEP (Out of Standard Warranty)	Submit with Campaign-No. - AADD0

NOTE: If this condition is found, please contact Hino warranty at warranty@hino.com or (248) 699-9390 and they will add the campaign number to the Vehicle Identification Number (VIN).

COE Brake Booster Replacement:

- a) Campaign No: AADD0
- b) Labor charge: 5.9 hours
- c) Warranty code: 31531
- d) Trouble code: 98
- e) Operation code: 31901ARE
- f) Original failed part: 9999999999
- g) Comment Section: Be sure to input the problem, Oil leak or kick back in the first line of the comment section. If no explanation is given, the claim may be rejected.

