

04V-118



VEHICLE RECALL

(Not applicable to Mack Trucks Australia)

DATE: 4/28/04

SC288

TO: ALL MACK DEALERS

SUBJECT: INCORRECT FRONT STEER AXLE BRAKE CHAMBERS — CV MODEL CHASSIS EQUIPPED WITH 18,000 OR 20,000 LB. AXLES

INFORMATION:

It has been determined that the front axle brake chambers may be the incorrect type on certain CV model chassis equipped with either 18,000 or 20,000 lb. front axles. These chassis, which were manufactured between May 27, 2003 and February 4, 2004, are equipped with Type 20 brake chambers where Type 24 chambers should have been used. Type 20 front brake chambers are too small to meet the stopping distance requirements outlined in Federal Motor Vehicle Safety Standards (FMVSS)-121.

Approximately 12 chassis are involved in this campaign. A list of affected chassis has been sent to all applicable dealers.

PROCEDURES:

The front axle brake chambers on all affected chassis must be inspected and replaced with Type 24 brake chambers (part No. 5554-1427001) as required.

1. Secure the chassis for service, apply the parking brakes and block the wheels to prevent the vehicle from moving.
2. Open the hood to access the front axle brake chambers.
3. Inspect the front brake chambers to determine chamber type. The chamber type (Type 20 or Type 24) is embossed on the pressure side of the chamber. If the chamber type cannot be determined, measure the chamber diameter. A Type 24 chamber measures 7-11/32" (186.44 mm) in diameter. A Type 20 chamber is 7" (177.8 mm) in diameter.

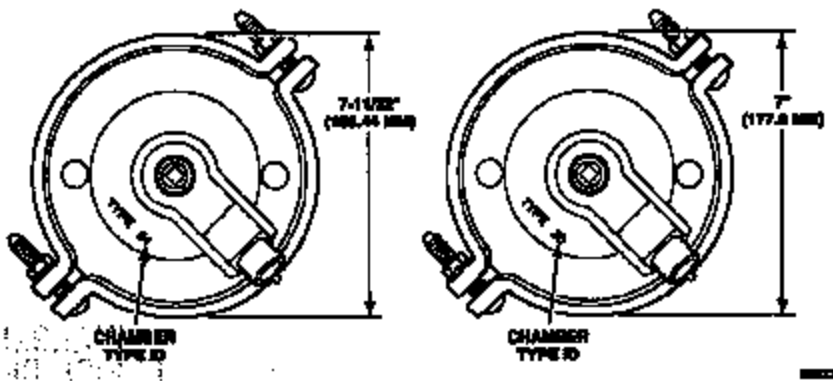


Figure 1 — Type 20 and Type 24 Brake Chamber Identification

NO IMPROPER
SLOTTED HOLES

RECEIVED
MAY 9 - 2004

RECEIVED

If it is determined that the chamber is a Type 20, replace as follows:

- a. Disconnect the air supply hose from the brake chamber supply port.
- b. Remove the clevis pin from the pushrod clevis assembly.
- c. Remove the nuts that secure the brake chamber to the mounting bracket, then remove the chamber.
- d. Remove the clevis assembly from the pushrod.
- e. Measure the pushrod length of the removed brake chamber.
- f. Cut the pushrod on the replacement brake chamber to the same length.
- g. Install the clevis assembly to the pushrod.

NOTE

Before installing the replacement brake chamber, check orientation of the clamp. Reorient the clamp on the replacement chamber if it is not oriented the same as the removed chamber.

- h. Install the brake chamber to the mounting bracket.
- i. Install the clevis pin and lock in place with the cotter pin.
- j. Reconnect the air supply line to the brake chamber supply port.

NOTE

If any of the tie wraps securing the ABS wheel speed sensor wire to the brake chamber air line were removed, be sure they are replaced.

- k. Release the parking brakes, apply the service brakes and use a soap and water solution to check for air leaks. No leakage is allowed.

PARTS REQUIRED:

Order vehicle recall parts on a separate stock order and process through the parts distribution center normally serving your area. Do not include parts on this requisition that are not required for this recall campaign.

International orders are to be prefixed — V.O.R.

Required Part Numbers:

Qty.	Part No.	Description
2	5554-1427001	Single-diaphragm front axle brake chamber, Type 24

REMOVED PARTS:

The removed brake chambers must be rendered inoperative by cutting either the mounting studs or the pushrod flush with the chamber.

REIMBURSEMENT:

Expenses incurred as a result of this campaign are to be recovered through normal warranty claim procedures. Enter the following information on the warranty claim:

<u>UNDER</u>	<u>ENTER</u>	
Failed Part No.	SC0288	
Labor Code/Allowance	533 7A 1B 95 — 0.2 hr.	Time allowed to take charge of vehicle and inspect front axle brake chambers to determine involvement in campaign. Chassis equipped with correct chambers, no further repairs necessary.
	533 7B 1B 95 — 1.8 hr.	Time allowed to inspect and replace existing brake chambers with Type 24 chambers as required. Includes "take-charge" time.