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Coding Information

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Title: CE Bus Front Axle Brake Hose Clearance to Wheel

Applies To: CE Bus

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

09/13/2017 - Initial Article Release

DESCRIPTION

The front brake hose may be routed so the hose can come in contact with the wheel, and can damage the hose (See Figure #1). This document will guide the user through inspection, possible replacement, and insuring proper clipping is in place on the front hydraulic brake hose.

There are two hose part numbers that were used on some of these chassis. The part number ending in **C2** does not make contact with the rim or tire, and does not require any rework. The brake hose ending in **C3** however, is slightly longer and can contact the wheel if not clipped properly.



Figure #1: Possible brake hose contact area.

SERVICE PARTS INFORMATION

Description	Part Number	Quantity
HOSE, HYD BK FRONT DROP	3870758C2 or C4	As Needed

REPAIR STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

1. Park vehicle on a flat surface.
2. Shift transmission to Park or Neutral, and set the parking brake.
3. Turn vehicle ignition to key OFF position.
4. Install wheel chocks.
5. Unlatch and open hood.
6. Inspect both front axle hydraulic brake hoses for clearance to the rim / tire (Figure #1).
7. If the brake hose HAS clearance to the rim / tire, no further action is needed. Proceed to step 13.

8. If the hose was rubbing the rim / tire but is NOT damaged, route and clip the hose as shown in Figure #3 to provide adequate clearance. Note that the brake hose is clipped below the ABS harness. Proceed to step 12.
9. If the brake hose was rubbing and has visible damage, please continue on through the steps below to replace the brake hose.
10. Replace the hose with the 3870758C2 or C4, secure the hose as shown in Figure #2 with the brake hose clipped above the ABS harness.

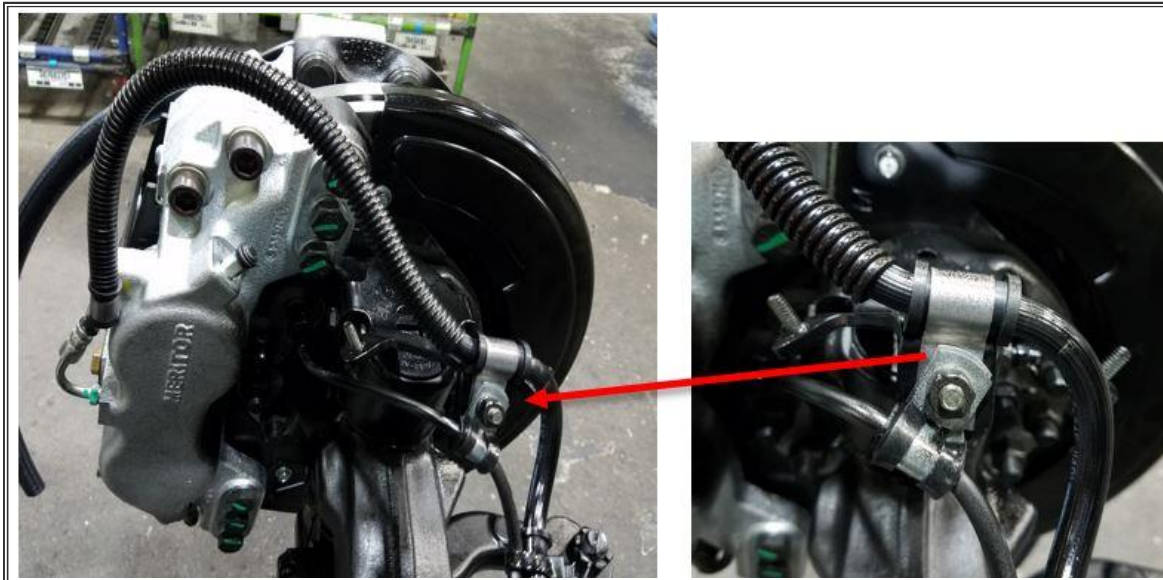
INSTALLATION IDENTIFICATION:

Figure #2: Correct routing and clipping using the replacement 3870758C2 or C4 brake hose ONLY.



Figure #3: Correct routing and clipping if the brake hose was rubbing, but is **NOT** damaged. NOTE that the brake hose is clipped under the ABS harness.

11. If brake hose replacement was necessary, you must follow the brake bleeding procedure outlined in the [Service Manual](#).
12. Make sure the ABS harness and brake hose do not touch. If they do, adjust the P clamps to prevent them from contacting.
13. Close and latch the hood.
14. Remove wheel chocks.

Warranty Claim Coding:

Group:	04017 - Hydraulic Brakes
Noun:	352 - Hose / Pipe

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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