



Number: FS-2015-01

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Model: All Buses With Disc Brakes

Approved:

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Quality Control & Field Service

Subject: Front Brake Drop Hose Clearance

Because the front brake drop hose, sometimes called the 'upper brake hose', can touch the airbag mounting plate and/or suspension tower wall, Gillig needs you to perform the inspection described in this bulletin, and make any corrections necessary to obtain a minimum of .5" of clearance.

FIELD SERVICE BULLETIN

RLB:rlb

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Description:

Inspection of front brake hose on disk brake equipped vehicles.

Application:

All vehicles equipped with disk brakes.

Purpose:

Check hose clearance by inspecting for rubbing or contact between the front upper brake hose and the airbag mounting plate and suspension tower wall. See figure 1 and 2 for details. (Roadside shown).

Inspection Procedure:

1. Raise the vehicle's front end sufficiently to lift the front tires off the ground. Support the front end of the vehicle with suitable jack stands.
2. Inspect the upper brake hoses (curbside and roadside) for any contact or rubbing while turning the steering assembly from full left to full right, and vice versa. Check the hoses for signs of abrasion or wear. At any steer angle, both the curbside and roadside upper brake lines should maintain a minimum clearance of $\frac{1}{2}$ " from any contact surface.

If there is sufficient clearance and no noticeable wear between the brake hoses and airbag mounting plate or suspension tower wall, no further action is required.



Figure 1: Airbag mounting surface.
(Roadside shown)



Figure 2: Suspension tower wall.
(Roadside shown)

Replacement Procedure:

3. If there is insufficient clearance or any signs of wear on the upper brake hoses replacement of the brake lines is recommended. Contact field service and replace both the curbside and roadside lines with GILLIG part number 46-08I8186-0160.
4. Note the orientation on both the curbside and roadside brake chamber fittings and maintain the orientation after replacement of the brake lines. See figure 3 for a completed installation.



Figure 3: 16" Replacement brake line
(Curbside shown)

5. After hose replacement, check for air leaks while applying full brake pedal pressure.
6. Check each new hose for the minimum $\frac{1}{2}$ " required clearance throughout the full steer angle.