ISSUE DATE:	1/19/2023
SERVICE BULLETIN SUBJECT:	40 Foot 800 Volt Brake Hose Retrofit
VINs or MODELS AFFECTED:	Service Specified Buses
COMPLETE BY:	Next Service Opportunity
SERVICE BULLETIN #:	SC-22-100
LABOR OPERATION CODE:	BH46Z

NOTICE! It is expected that this process may require up to one hour per bus. Please schedule appropriately to minimize vehicle downtime.

40 FOOT 800 VOLT BRAKE HOSE RETROFIT

Description:

The procedure describes the process of updating the front brake hoses for corrosion and chaffing.

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Headquarters: 1815 Rollins Road, Burlingame, CA 94010
East Coast Manufacturing: 1 Whitlee Court, Greenville, SC 29607
West Coast Manufacturing: 383 Cheryl Lane, City of Industry, CA 91789

Tools/Parts Required:

Tools and Supplies Required:

- 7/8-Inch Combination Wrench
- 3/4-Inch Combination Wrench
- Ratchet
- 7/8-Inch Crow Foot Socket
- Calibrated Torque Wrench
- Orange Torque Stripe Paint
- Alignment Tool, Curbside (180-6297)
- Alignment Tool, Streetside (180-6463)

Parts Required:

- 062869 Service Retrofit Kit, Brake Hose FC, 40' 800V (Consisting of)
  - 045460 AIR LINE, BRAKE, 48", 45 DEGREE 2 EA

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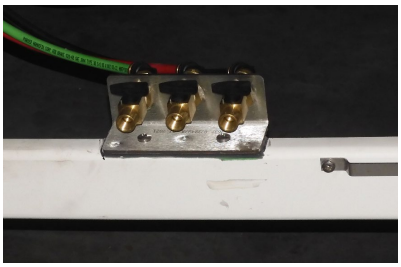
Procedure:

1. Working in the driver's workplace with the bus powered on and the parking brake locked, turn the steering wheel all the way to the right.

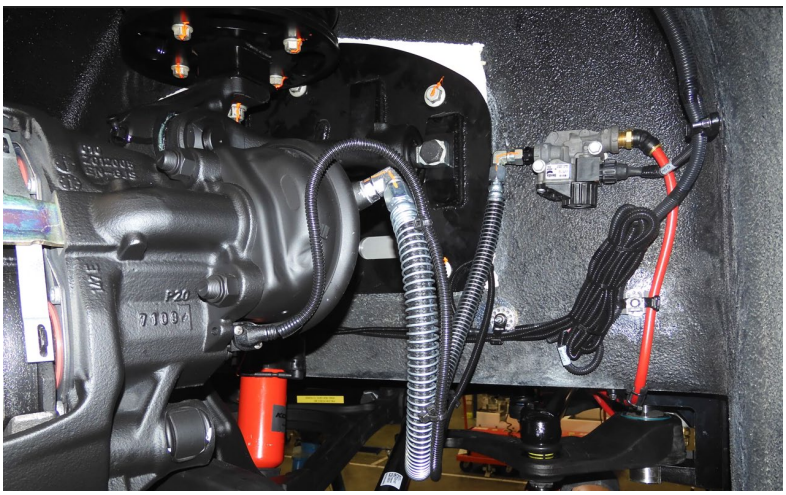
2. Perform the Proterra approved Lockout/Tagout process to make the bus safe for work.

3. Open the three valves at the curbside rear of the bus to drain the air system.



4. Using Combination Wrenches, remove the streetside air line.

5. Using Combination Wrenches, replace the streetside air line with a new Air Line **(019367)** from the kit. The correct installation is shown in the following photograph.



6. Using the Streetside Alignment Tool **(180-6463),** adjust the fitting as shown in the following photograph. This adjusts the fitting to 20 degrees.

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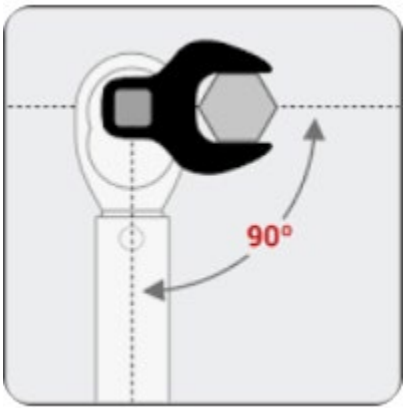
7. Using a Calibrated Torque Wrench with a 7/8-inch Crow Foot Socket set to 90 degrees from the wrench, **torque the Fitting (054561) to 37 foot-pounds.**



8. Using Orange Torque Stripe Paint, mark the properly torqued fitting.

9. Using a Combination Wrench, snug the swivel fittings on Fitting **(054561).**

10. Close the three Ball Valves at rear of the bus.

11. Remove the Lockout/Tagout devices and power on the bus.

12. Working in the driver's workplace with the bus powered on and the parking brake locked, turn the steering wheel all the way to the left.

13. Perform the Proterra approved Lockout/Tagout process to make the bus safe for work.

14. Open the three valves at the curbside rear of the bus to drain the air system.

15. Repeat the process to replace the curbside Air Line **(019367)** using the Curbside Alignment Tool **(180-6297)** and torque the fittings.

16. Close the three Ball Valves at rear of the bus.

17. Remove the Lockout/Tagout devices and power on the bus.

18. Return the bus to service after verifying there are no air leaks.

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