

New Jersey Transit: Brake Hose Fittings Replacement



Prepared by: Kalman Takacs
Field Service Engineer
256-241-1243

Approved By: Dan Allen
Chief Engineer

Property and Top Bus Number: New Jersey Transit 40SFW, 164200, 164400, 279000, 289000, 308000

Issue: Premature brake hose wear.

Reason/ cause: Straight brake hose fittings at the rear axle brake chamber needs to be replaced with a 45 degree fitting.

Solution: Check and replace fittings as required per this work instruction.

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Number of affected buses: All 40SFW buses built before bus #6310

Estimate repair hours/bus: 45 minutes

ECN #: N12-31056

Necessary parts:

Elbow, 45,-6MP-6FP, Brass,
HO\$,230208/MP0800/MP0600/23.0,
HO\$,230208/MP0800/MP0600/27.0,

P/N: **5004797**,
P/N: **5022625**,
P/N: **5022626**,

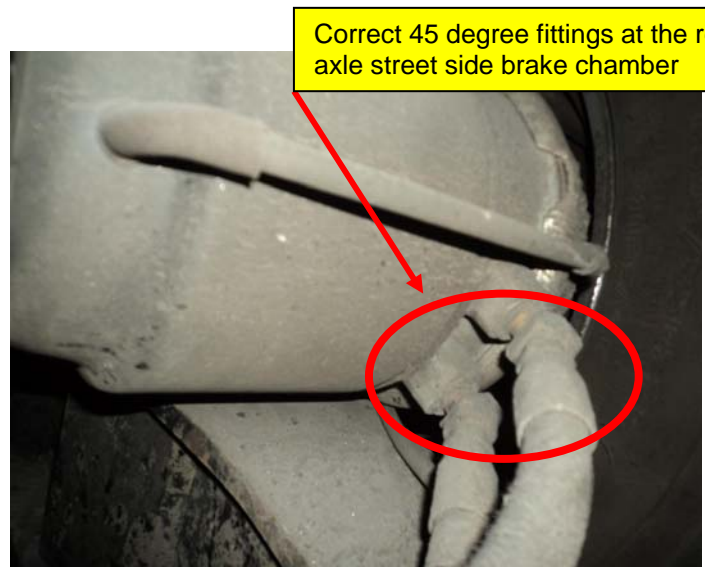
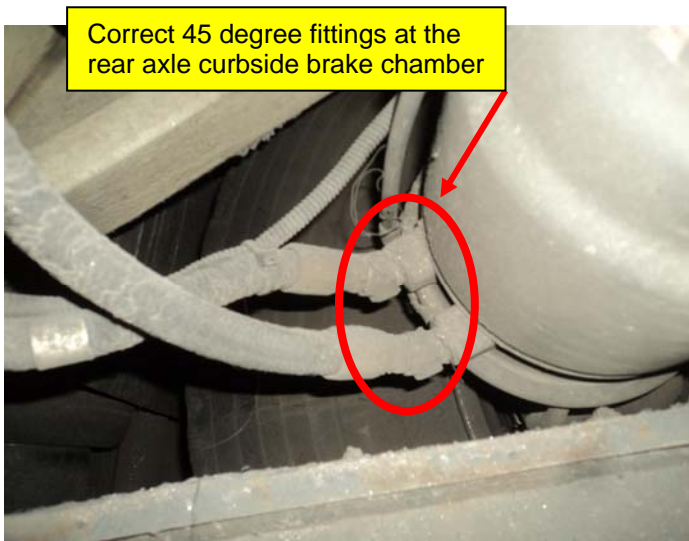
4/bus,
as required
as required

Necessary tools:

Regular hand tools

SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.

1. Lift the bus and place jack stands underneath the official jacking pads.
2. Inspect fittings at the rear brake chambers. If all of the four fittings are 45 degree type fittings then no rework required. Inspect the brake hoses and ensure they are not rubbing or damaged. If any of the four fittings are not 45 degree fitting (like straight fitting) then follow the instruction written below.



3. Drain air tanks. Follow instruction written in the NABI Maintenance Manual section 6.
4. Remove one fitting at a time so the service and parking brake hoses are not mixed accidentally.
5. Install 45 degree fitting. Ensure that thread sealer is applied to the threads. Ensure that the inside of the fitting is free of contamination (thread sealer, dirt, etc.).

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6. Inspect brake hoses and replace them as required (kinked, rubbed, etc.). (Hose description and P/N-s are provided on the 2nd page of this work instruction.)



7. Remove unused parts and tools from work area.
8. Check for completeness of work.
9. Start the bus and let the air pressure built up to 115-120 PSI.
10. Perform a brake inspection per the NABI Maintenance Manual section 6.
11. Record bus number, mileage and date of completion.