

Recall Bulletin 90521



**RECALL
BULLETIN:
90521**

**YEAR(S)
AFFECTED:
2009-2010**

**PRODUCT(S)
AFFECTED:**
Jamboree,
Jamboree Sport,
Tioga Ranger,
manufactured
from April 16,
2009 through
May 13, 2009

**MODEL(S)
AFFECTED:**
25G, 26Q, 30U
31M, 31N

SUBJECT:
Brake Line
Inspection/
Correction

KEYWORDS:
brake,
brakes, brake
line

ISSUE DATE:
July 2009

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The purpose of this bulletin is to inform all Fleetwood dealers about the need to inspect, and if necessary, perform repairs to the brake lines on the identified Class C motor homes.

CONDITION:

The Class C motor homes listed in this Bulletin have an extended wheel base, requiring the addition of a brake line extension to the original Ford brake line. The connections for these lines may have been inadequately tightened during the manufacturing process, possibly resulting in brake fluid leakage. Additionally, the union end of the Ford brake line may have a 3/8" flare connection installed in a location where a 7/16" flare connection was specified. Brake fluid leakage may result in longer stopping distances, loss of brakes, and loss of vehicle control.

CORRECTION:

Follow the steps below to inspect, and if necessary correct, the brake line connections.

Note: If the inspection reveals that the Ford OEM brake line must be replaced, this operation must be performed by a Ford-certified repair facility.

INSPECT / CORRECT REAR BRAKE LINE CONNECTION:

1. Park the motor home on a paved, level surface. Place the transmission into PARK, set the parking brake, and block the wheels.

Note: If available, a hoist may be used to raise the unit for inspection.

WARNING

- DO NOT WORK UNDER THE MOTOR HOME UNLESS PROPERLY STABILIZED AND SUPPORTED.
- BRAKE FLUID VAPORS MAY BE FLAMMABLE - AVOID HEAT, SPARKS OR FLAMES WHEN WORKING ON BRAKE LINES.
- USE CARE AND PERSONAL PROTECTIVE EQUIPMENT (E.G., SAFETY GOGGLES, GLOVES) TO MAINTAIN PERSONAL SAFETY WHILE WORKING. AVOID BRAKE FLUID MAKING CONTACT WITH SKIN, OR EYES, OR CLOTHING. IF ACCIDENTAL CONTACT OCCURS, FLUSH IMMEDIATELY WITH WATER AND SEEK EMERGENCY ATTENTION AS REQUIRED.
- CLEAN UP ANY BRAKE FLUID SPILLS IMMEDIATELY USING ABSORBENT MATERIAL, THEN WASH AREA WITH WATER. DISPOSE OF BRAKE FLUID WASTE PROPERLY, PER LOCAL LAWS AND ORDINANCES.

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2. Locate the rear connection for the Fleetwood-installed extension brake line by looking under the motor home, slightly forward of the rear axle and near the driver's side rail. See Figures 1 and 2.
3. Wipe the connection with a shop cloth to remove any residual brake fluid.
4. With the engine running, and transmission in PARK, have an assistant firmly pump the brake pedal. Check for leaking fluid at the connection while this is being done.
 - A. If no brake fluid leaks are found at this area, continue to Step 5.
 - B. If the brake line is leaking fluid at the rear connection, use a 1/2" flare nut wrench to hold the brass union stationary, and tighten the flare nut using a 3/8" flare nut wrench until leakage stops. Wipe the connection and verify there are no further leaks; correct if necessary. **Do not over-torque the connection.** Proceed to Step 5 to inspect and if necessary, correct the union connection with the Ford brake line.



Figure 1
Rear brake line extension connection shown from above



Figure 2
Rear brake line extension connection shown from below

INSPECT / CORRECT FORWARD (UNION) BRAKE LINE CONNECTION:

5. Locate the brass union between the Fleetwood-installed brake line extension (silver) and the Ford OEM brake line (black). The union, tucked inside the driver's side frame rail, can be located by following the Fleetwood-installed brake line extension towards the front of the vehicle. See Figure 3.
6. Determine the size of the flare nut for the Ford brake line attached at the union connection, using 3/8" and 7/16" wrenches as "go/no go" gauges:
 - If the 3/8" wrench will fit onto the Ford flare nut, the Ford brake line must be replaced. **Replacement of the Ford OEM brake line, if required, must be performed by an authorized Ford repair technician. Contact Fleetwood's Motor Home Dealer Technical Support group for a Prior Authorization Request (PAR) and further instructions.**
 - If the 7/16" wrench will fit onto the nut for the Ford brake line, but the 3/8" wrench will not fit, the flare nut size is correct (7/16") and does not require replacement.
 - Continue to Step 7 after verifying that a 7/16" nut is installed on the Ford brake line connected at the brass union.

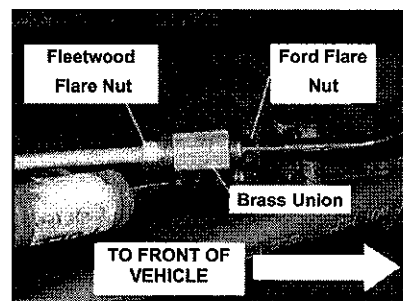


Figure 3
Forward (union) brake line connection shown

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7. Wipe the union connection with a shop cloth to remove any residual brake fluid.
8. With the engine running, have an assistant firmly pump the brake pedal. Check for leaking fluid at the connection while this is being done.
 - A. If no brake fluid leaks are found at this area, no further action is necessary and this Bulletin is complete.
 - B. If the brake line is leaking fluid at the forward connection, use a 1/2" flare nut wrench to hold the brass union stationary, and tighten the flare nut on the Fleetwood brake line extension using a 3/8" flare nut wrench until leakage stops. Wipe the connection and verify there are no further leaks; correct if necessary. Repeat as necessary for the Ford brake line connection, using a 7/16" flare nut wrench. **Do not over-torque the connections.**
9. Upon completion of repairs, check brake fluid level and replenish if necessary using DOT3 brake fluid. Continue to Step 10 to test brake operation.
10. Release the parking brake, then prepare to test drive the vehicle to verify proper brake operation.

IMPORTANT: The test drive is to be initially performed at 5 mph or less in a "wide open area" away from obstructions, property that may be damaged as a result of a collision, personal property, other moving traffic, pedestrians, etc. With the unit's transmission in PARK, parking brake disengaged, and the engine running, push on the brake pedal with "firm to aggressive" pressure and hold the pedal depressed for 15 to 20 seconds.

- At the end of the 20 seconds, if the pedal has changed position and/or has continued to the floor then the system possibly has a leak and requires additional diagnosis and repair. Perform repairs as necessary, then repeat the initial portion of the test drive.
 - If the pedal remains in the same position after 20 seconds and does not feel "spongy", continue to Step 11.
11. Verify conditions are met in Step 10, then continue testing the brakes at speeds not exceeding 5 mph.
 - If at any time, the brake pedal feels soft or spongy, it is an indication that there is probably air in the braking system; this will require bleeding the brake lines. Contact Fleetwood's Motor Home Dealer Technical Support for a Prior Authorization Request (PAR) and for further instructions. Repeat Steps 10 and 11 as necessary until proper braking performance is achieved, then continue to Step 12.
 - If the brakes operate properly, continue to Step 12.

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12. Verify conditions are met in Steps 10 and 11, then gradually increase speed and continue to test the brakes. Use caution and remain clear of obstacles and pedestrians.
 - If the brakes fail to operate properly, contact Fleetwood's Dealer Technical Support group for further assistance. Correct as directed, then repeat Steps 10-12.
 - If brakes continue to operate properly, continue to Step 13.
13. Following a successful test drive, return to the repair area and prepare to check the brake line connections a final time:
 - Repeat Step 1 to ensure the motor home is properly stabilized and supported.
 - Following all applicable Warnings printed on Page 1, look under the motor home and examine the rear and front (union) brake line connections.
 - If the brake line connections are still free of leaks and/or seepage, no further repairs are necessary and this bulletin is complete.
 - If brake fluid is present at any of the brake line connections, contact Fleetwood Dealer Technical Support for further repair instructions.

PARTS

Obtain Locally

Brake Line Fluid, DOT3

As Required

TOOLS

3/8" Flare Nut Wrench

1/2" Flare Nut Wrench

7/16" Flare Nut Wrench

Shop cloths

WARRANTY LABOR ALLOWANCE:

Use Flat Rate Codes:

| | | |
|---------|----------|----------------------------------|
| 9222-11 | 0.50 hr. | Inspected / Not Defective |
| 9222-12 | 0.75 hr. | Inspected / Defective / Repaired |
| 9222-17 | 0.10 hr. | Customer Unreachable |

If you have any questions concerning this bulletin, contact Fleetwood Motor Home Dealer Technical Support at:
800-816-9825

Fleetwood Service Literature can be accessed at: <http://www.fleetwoodrvdealers.com>

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Recall Bulletin 90521 Affected Unit Serial Numbers

2009 Tioga Ranger

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| 788N94701384 |
| 788N94701385 |

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| 788N94701386 |
| 788N94701387 |

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| 788N94701388 |
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2010 Jamboree

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| 751UA4701475 |
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2010 Jamboree Sport

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| 789GA4701473 |
| 789QA4701477 |
| 789GA4701509 |
| 789GA4701510 |
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| 789GA4701513 |
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2010 Tioga Ranger

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| 788NA4701472 |
| 788MA4701474 |

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