

RECALL BULLETIN:
91209FRV

YEAR(S) AFFECTED:
2010

PRODUCT(S) AFFECTED:
Jamboree Sport, Tioga Ranger with serial numbers listed in this Bulletin

MODEL(S) AFFECTED:
25G

SUBJECT:
Reroute Propane Plumbing Away From Chassis Suspension

KEYWORDS:
LPG,
Propane,
Gas,
Plumbing,
Black Iron

ISSUE DATE:
January 2010

The purpose of this Bulletin is to inform all Fleetwood dealers about the need to relocate a portion of the Propane plumbing. The affected Jamboree Sport and Tioga Ranger motor home serial numbers are listed at the end of this Bulletin.

CONDITION:

The black iron Propane plumbing, located under the motor home, may come into contact with chassis components and, under certain conditions, become pinched or crushed. This may result in a propane gas leak and the potential for an explosion and/or fire.

CORRECTION:

Follow the procedures below to remove and replace a portion of the Propane plumbing, allowing adequate clearance from chassis suspension and axle components.

NOTE: There may be slight differences in the layout and routing of Propane plumbing for the affected motor homes. Obtain any necessary additional parts locally and observe all industry safety standards to complete the repair.

1. Park the motor home on hard, level pavement. Place the transmission into PARK and set the parking brake.
2. Turn off the ignition and remove the ignition key. Maintain control of the keys until repairs are completed. Attach a notice, "DO NOT USE", to the ignition switch in order to prevent activation of the systems.
3. Turn off the Propane Gas at the Propane tank. **Make sure the Propane Gas valve is completely closed before beginning work.**
4. Inside the motor home, light one burner on the range and/or cook top and burn off any remaining Propane Gas in the lines. When the burner flame goes out, turn off the burner valve.
5. Place a heavy duty floor jack under the chassis frame near the right rear axle and raise the two right rear tires slightly off the ground.
6. Place a heavy duty jack stand under the frame near the floor jack.
7. Use an impact wrench to remove both right rear wheels from the motor home. Retain wheels and lug nuts for later reinstallation.

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WARNING

DO NOT SMOKE OR HAVE OPEN FLAMES.

8. Locate the Propane manifold under the door side of the motor home, behind the rear wheelwell. See Figure 1. Use a small wire brush to remove dirt, debris, and any undercoating from the copper line brass flared fittings at the manifold.



Figure 1



WARNING

AVOID EXCESSIVE MOVEMENT OR ROTATION OF EXISTING PROPANE PLUMBING, THAT WILL BE REUSED, TO PREVENT DAMAGE TO PROPANE HOSES, FITTINGS, AND REGULATORS.

9. Remove the four brass flare fittings from the propane manifold. Be sure to use a back-up wrench on the fittings and manifold connection. Cover each open copper line with tape, immediately after disconnection, to prevent debris from getting into the system.
10. Remove the U-bolt fasteners securing the propane manifold to the support bracket, then carefully unthread and remove the manifold from the 90° elbow. Discard the fasteners. Retain the support bracket for reassembly.
11. Clean the old pipe joint sealant from the manifold, then use a small wire brush to remove any remaining dirt or debris from the open pipe fitting at the end of the manifold. Cover each manifold port and opening with tape to prevent intrusion of debris. Set the propane manifold aside in a clean, dry location until it is reinstalled.
12. Disconnect the flexible propane tank hose from the regulator on the tank, then disconnect its other end from the black iron pipe. Retain any fittings needed to reinstall the hose to the new section of propane plumbing.
13. Loosen and remove the clamp for the ground wire from the black iron pipe, in order to facilitate removal of the pipe. **Do not disconnect the ground wire from the clamp.** Move the clamp with attached ground wire away from the work area until it is reinstalled. See Figure 2.

NOTE: The bold lines shown in Figure 2 (next page) illustrate the portions of propane plumbing that are to be removed and replaced in the following steps.

14. Remove and discard the U-bolt clamps securing the Propane plumbing between the propane manifold location and the propane tank. Support brackets may be reused to secure the new sections of propane plumbing. See Figure 2.

NOTE: It may be helpful to support the weight of the Propane plumbing while it is being disconnected and removed.

15. Remove and discard the two sections of black iron propane pipe and the two black iron elbows that were originally routed between the propane manifold and the propane tank flexible hose. Refer to Figure 2.

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INSTALLATION OF NEW SECTIONS OF PROPANE PLUMBING:

Use approved Propane plumbing pipe thread sealing compound on all black iron pipe threaded fittings during installation.

Refer to Figure 2 to locate and install the new sections of propane plumbing.

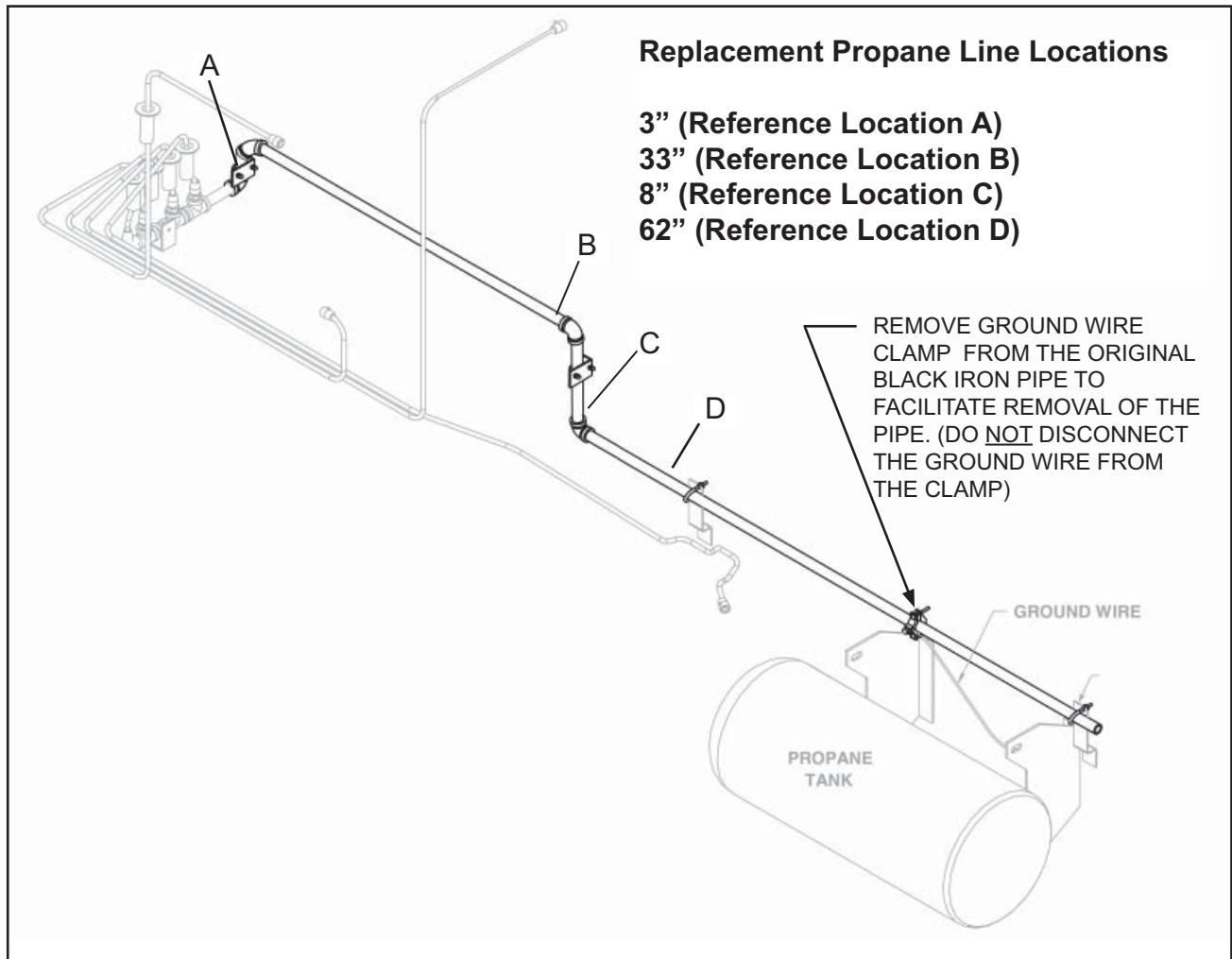


Figure 2

16. Blow compressed air through all new plumbing sections to remove debris before installation.
17. Connect a new 90° elbow to one end of each of the following three lengths of new pipe, and tighten:
 - 3" (Reference Location A)
 - 33" (Reference Location B)
 - 8" (Reference Location C)

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18. Remove the protective tape from the manifold and attach a new 90° elbow at its open end. Tighten until the elbow points in the same direction as the ports on the manifold. (This elbow is to point up after the manifold is reinstalled.) See Figure 3.

19. Connect the 3" pipe nipple to the new 90° elbow installed on the manifold in the previous step. Tighten the connection until the elbow at the opposite end forms a 90° angle, and is assembled as shown in Figure 3.

NOTE: When the manifold is reinstalled in the next step, the pipe nipple will be vertical, and the elbow attached to its top end will face the front of the motor home, as shown in Figure 2, Reference Location A.

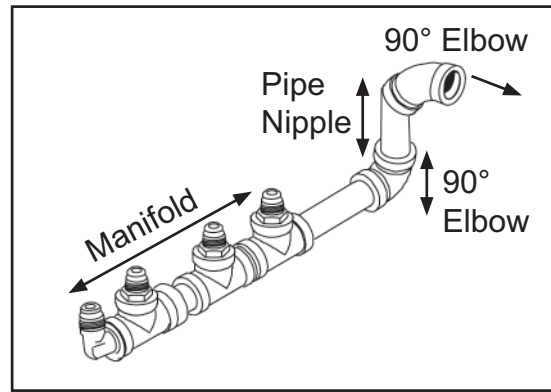


Figure 3
Sub-assemble the manifold, pipe nipple, and two 90° elbows as shown before reinstalling the manifold

20. Remove the protective tape from the brass flare fittings on the ends of the copper Propane lines, and reconnect the manifold to the fittings. (Do not use thread sealant on flare fittings.) Use a back-up wrench and tighten the flare fittings. Secure the manifold to the original support bracket with a new U-bolt, two new flat washers, and two new 1/4-20 locking nuts. See Figures 1 and 2.

21. Attach the new 33" length of pipe to the elbow on the end of the 3" pipe nipple. (This length will span the area across the wheel well.) Tighten the connection until the elbow at the other end faces down. See Figure 2, Reference Location B.

22. Attach the new 8" section of pipe to the elbow connection for the 33" pipe installed in the previous step. Tighten until the elbow at the other end faces the front of the motor home. See Figure 2, Reference Location C.

23. Attach the new 62" section of pipe to the elbow connection for the 8" section of pipe installed in the previous step. Tighten. See Figure 2, Reference Location D.

24. Relocate the support brackets for the propane pipe as required, then install new U-bolts to secure the Propane plumbing. Fasten each U-Bolt with two new flat washers and two new locking nuts. Add additional support brackets and U-bolts (with fastening hardware) as required. The black iron pipe must be secured within 6" of connections (elbows) at end of runs, and at intervals not to exceed 48" on center.

25. Verify all Propane plumbing attachment hardware is tight.

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26. Reinstall the clamp with attached ground wire onto the new 62" section of black iron pipe. Verify the clamp is securely attached to the pipe. See Figure 2.
 27. Wire brush and then apply black spray paint to plumbing hardware and any other Propane plumbing component needing surface protection.
 28. Verify the fittings for the original flexible propane tank hose are clean and free of debris and old pipe thread sealant; correct as necessary. Connect the flexible propane hose to the pipe thread at the end of the new 62" section of black iron propane plumbing.
- NOTE: Be sure to use approved Propane plumbing pipe thread sealing compound on the black iron pipe threaded fitting at this connection.**
29. Reconnect the flexible propane tank hose to the regulator at the propane tank.
 30. Conduct a Propane Gas System Leak Test according to proper testing procedures identified in Fleetwood's Flat Rate Manual. Verify there are no leaks. If the motor home fails the Propane Gas System Leak Test, take corrective action and re-test until the motor home passes the test.



WARNING

IT IS EXTREMELY IMPORTANT TO REMOVE ANY CORROSION OR DIRT FROM WHEEL MOUNTING SURFACES TO ENSURE METAL-TO-METAL CONTACT. FAILURE TO DO SO MAY ALLOW LUG NUTS TO BECOME LOOSE AND FALL OFF DURING TRAVEL.

31. Reinstall the two right rear wheels. Refer to Figure 4 for proper lug nut tightening sequence. Tighten lug nuts until snug, then hand-torque per wheel manufacturer's specifications, using the same tightening sequence.
32. Remove the jack stand, lower the motor home to the ground, and remove the floor jack.
33. Advise the customer to verify the wheel lug nut torque on reinstalled wheels after 100 miles and again after 500 miles.

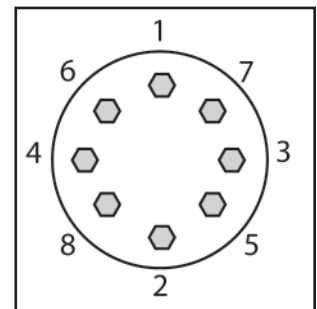


Figure 4

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PARTS:

577268 *Kit Recall 91209FRV, Propane Plumbing, 2010 Sport/Ranger 25G*

Kit Contains:

- Pipe Nipple, 3" Long (Qty. 1)
- Pipe, Black Iron, 1/2 SCH 40, 33" Long, Threaded Both Ends (Qty. 1)
- Pipe, Black Iron, 1/2 SCH 40, 8" Long, Threaded Both Ends (Qty. 1)
- Pipe, Black Iron, 1/2 SCH 40, 62" Long, Threaded Both Ends (Qty. 1)
- Elbow, Black 1/2 FPT (Qty. 4)
- Support Bracket (Qty. 1)
- Tek Screw, 14 x 1" HWH PLTD (Qty. 5)
- U-Bolt, 1/4-20 x 1 1/8 ID x 2 PLTD (Qty. 5)
- Nut, 1/4-20 HH Locking PLTD (Qty. 10)
- Washer, 1/4 USS Flat PLTD (Qty. 10)

Obtain Locally:

- Black Spray Paint
- Pipe thread sealing compound compatible with propane

TOOLS:

- | | |
|--|---|
| Heavy duty floor jack | Air compressor with Air Nozzle |
| Heavy duty jack stands (2 required) | Driver with bits |
| 3/8" ratchet with 7/16" deep well socket | Impact wrench |
| 3/8" socket | Electrical tape |
| 13/16" open end wrench | Propane Gas System Leak Test Kit |
| Pipe wrenches, 12" (2 required) | Torque wrench capable of measuring at least 150 ft-lbs. |
| Crescent wrench, 10" | |

WARRANTY LABOR ALLOWANCE:

Recall 91209FRV, Propane Plumbing, 2010 Jamboree Sport and Tioga Ranger 25G

Flat Rate Codes:

- | | |
|---------|--|
| 9225-11 | 0.10 Hrs. Inspected/Not Defective |
| 9225-12 | 1.80 Hrs. Inspected/Defective/Repaired |

Include on the Warranty Claim as a separate Flat Rate Entry:

- | | |
|---------|---|
| 0401-23 | 0.20 Hrs. Propane Gas System Leak Test Complete |
|---------|---|

If you have any questions concerning this Bulletin, contact
 Fleetwood RV Dealer Technical Support at:
 1-800-816-9825
 Fleetwood Service Literature is available at:
www.fleetwoodrvdealers.com

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Recall Bulletin 91209FRV - Affected Motor Home Serial Numbers

2010 Jamboree Sport 25G

789GA4404448
789GA4404525
789GA4404526
789GA4404527
789GA4404635
789GA4404636
789GA4701473
789GA4701509
789GA4701510
789GA4701511
789GA4701512
789GA4701513
789GA4701514
789GA4701515
789GA4701516
789GA4701517

789GA4701518
789GA4701539
789GA4701540
789GA4701541
789GA4701542
789GA4701543
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789GA4701554
789GA4701555
789GA4701556
789GA4701557
789GA4701558
789GA4701566
789GA4701567
789GA4701568
789GA4701692
789GA4701693
789GA4701694
789GA4701695
789GA4701841
789GA4701842
789GA4701843
789GA4701844

2010 Tioga Ranger 25G

788GA4404637
788GA4701563
788GA4701564
788GA4701565

788GA4701688
788GA4701689
788GA4701690
788GA4701691

788GA4701837
788GA4701838
788GA4701839
788GA4701840

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