

SERVICE ADVISORY # 08- 102**Raptor Propane Line Relocation**

Keystone RV Company is conducting a voluntary RECALL notification campaign in accordance with the National Traffic and Motor Vehicle Safety Act. It has been determined that on some vehicles the LP line may become damaged as a result of contact with the tire. A propane leak, in the presence of an ignition source, could result in a fire and/or explosion causing property damage and/or personal injury.

Models Included: 2008 Raptor 3812TS Fifth Wheels

Serial Number Range: 4YDF381228R800898 - 4YDF381288R801859

Parts Required per Unit:

Acquire locally - (2) - 3/4" P-Clamp - (1) - 1 1/2" P-Clamp - (5) 1/4" self taping screws
- (6) - 6" zip ties

Tools Required:

- Screw gun - 3/8 Socket bit - Utility knife
- Open End Wrenches; 3/4", 7/8", 15 /16"

INSTRUCTIONS**ONE: PREPARING THE TRAILER**

Step 1. Locate the trailer on a level, flat and hard surface. Chock the wheels.

Step 2. Extend the kitchen slide out to the out position.

Step 3. Disconnect the shore cord and negative lead from the battery.

WARNING – FAILURE TO REMOVE ALL SOURCES OF ELECTRICAL POWER CAN RESULT IN AN EXPLOSION, FIRE AND PERSONAL INJURY.

Step 4. Shut off the propane valves on both LP bottles.

WARNING – LP GAS IS HIGHLY FLAMMABLE. FAILURE TO SHUT OFF THE PROPANE CAN RESULT IN AN EXPLOSION, FIRE AND PERSONAL INJURY.

TWO: SEPARATE THE LP FLEX HOSE AND ELECTRICAL LINES

Step 1. Disconnect the LP flex hose from LP manifold on the kitchen slide out room. See figure 1.

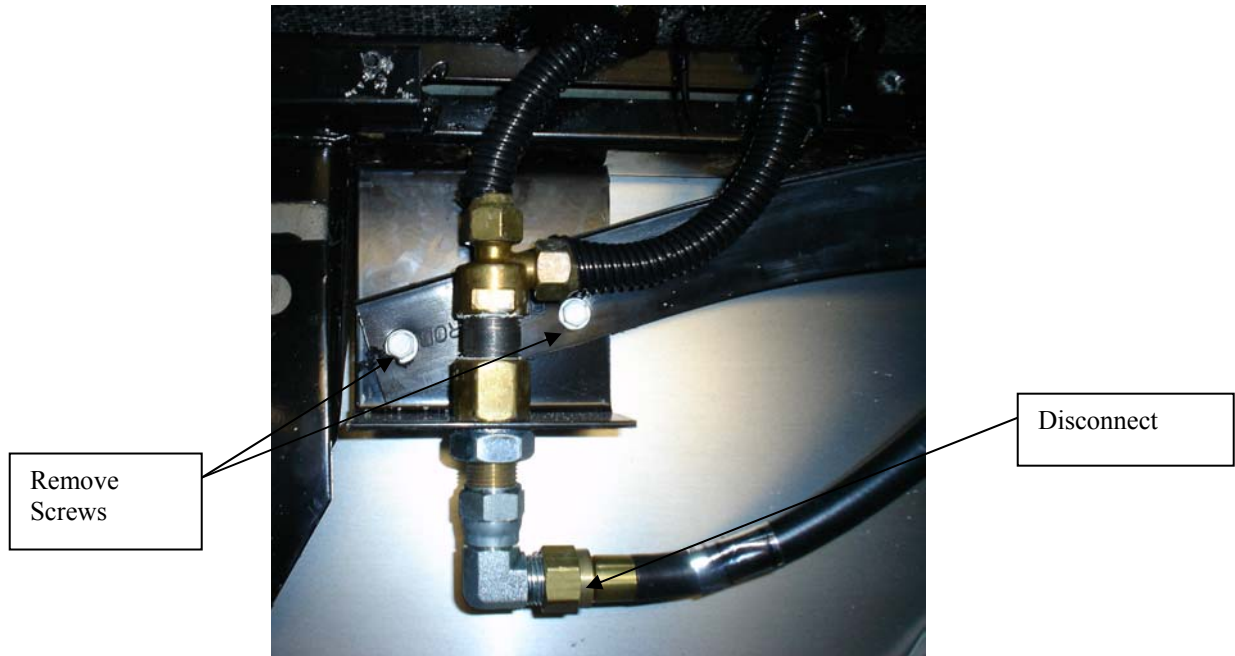


Fig. 1

Step 2. Remove LP flex hose from the flex guard.

Step 3. Cut the zip ties that are holding the electrical harness to the flex guard.

Step 4. Remove the 2 screws holding the flex guard to the LP mounting bracket on the slide room. Remove the Flex Guard from the unit.

Step 5. Remove Flex guard pivot bracket from the main floor of the unit. See Figure 2.

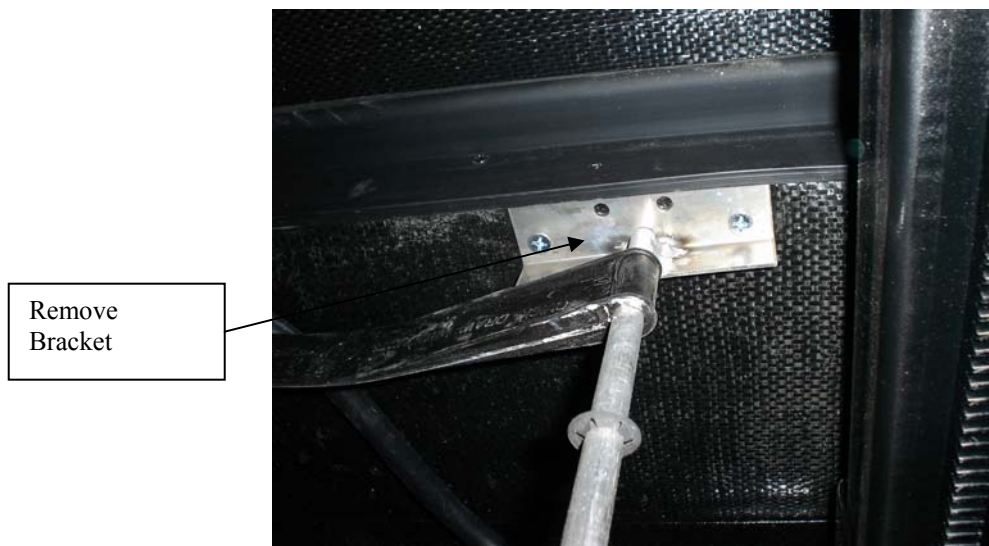


Fig. 2

THREE; RELOCATE LP FLEX HOSE

Step 1. Reposition the flex guard pivot bracket against the main rail of the frame, approximately 15" forward of the slide out tube. See Figure 3.



Fig. 3

Step 2. Replace the flex guard on the pivot bracket.

Step 3. Reposition the flex hose to run up the chassis then through the flex guard loom to the LP manifold on slide out room. Secure the flex hose to the chassis with P-clamps; one above and one below the slide out cross shaft. See Figure 3.

Step 4. Route the flex hose over the slide out tube and connect to the LP manifold on the slide out room. See Figure 4 & 5.



Fig. 4



Fig. 5

- Step 5.** Reconnect the flex hose to the slide out LP manifold. See Figure 5.
- Step 6.** Remove any play between the flex guard and the LP hose. Refasten the flex guard to the Slide out adjustment bracket on the kitchen slide out. See Figure 4.
- Step 7.** Perform an LP Drop Pressure Test.
- Step 8.** Turn the propane on at the LP bottles. Check the LP connections for leaks with a commercial leak test solution.
- Step 9.** Reconnect the 110v and 12v power.
- Step 10.** Run the room to the in (travel) position. Verify there is now 3" clearance between the tire and the propane hose flex guard when the suspension is at rest position. The unit must be parked on a flat surface and level.

FOUR: RELOCATE ELECTRICAL HARNESS TENSION SPRING

- Step 1.** Secure the tensions spring to the electrical harness with zip ties.
- Step 2.** Remove the screw from the electrical harness tension spring at the chassis.
- Step 3.** With the slide out room in the in position, reposition the tension spring over the slide out tube toward the front of the unit. Fasten the spring to the bottom of the floor joist at the point the spring starts to have tension.

WARRANTY REIMBURSEMENT

Submit the claim on Key Express or on a Keystone Warranty claim form with **Service Advisory # 08- 102** and **Flat Rate Code # 7110242B** noted in the customer complaint section of the form. The amount of time authorized for this repair is 1.5 hours.

If you have any questions, please call Keystone RV Customer Service at **(866) 273-1452**.