

SERVICE ADVISORY # 15-231**Fuzion 420 Tank Vent**

It has been determined the below listed vehicles were manufactured without a vent pipe installed in the galley gray tank and will allow water to leak out of the open fitting. This advisory explains how to install the vent.

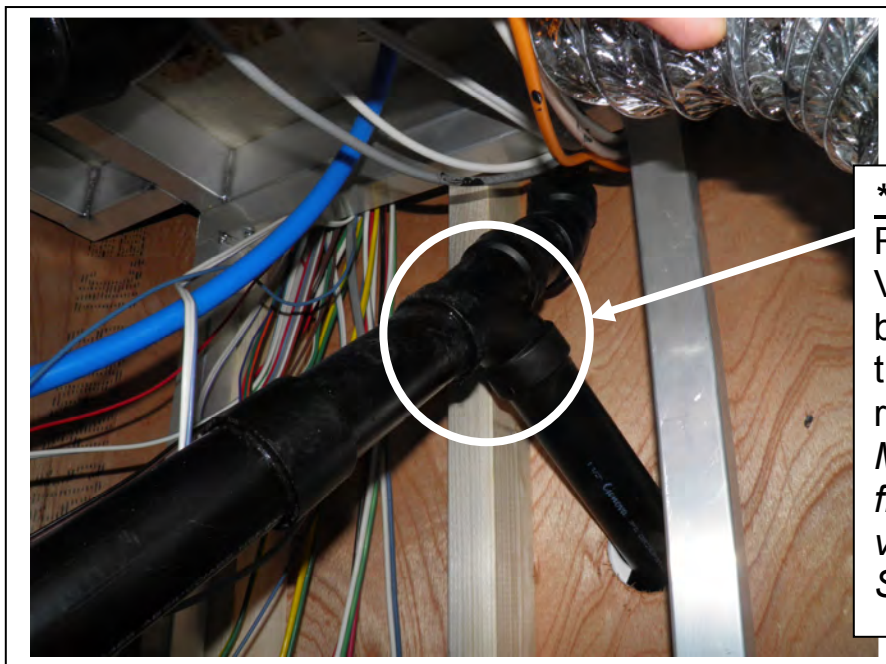
Model and Serial Numbers Included:

2015 Fuzion 420 Fifth Wheels: FF811067 - FF811258

2016 Fuzion 420 Fifth Wheels: GF810126 - GF810267

****NOTE:** The following VINs from above population were incorrectly repaired prior to shipment and must have original correction reversed by removing tee fitting, then splice black tank vent tube, located in pass through storage area:

GF810218 – GF810219 – GF810220 – GF810221 – GF810229 – GF810230 – GF810231
GF810232 – GF810233 – GF810234 – GF810235 – GF810241 – GF810242 – GF810251
GF810252 – GF810262 – GF810263 – GF810264 – GF810265 – GF810266 – GF810267

****NOTE:**

Remove tee fitting on 21 VINs listed above, splice black tank vent together then proceed with revised repair instructions below:
May require additional fittings to meet up with vertical tube installed in Step 7 below.

Parts Required – KRV Part # or Purchased Locally:

Per Unit: Part# 100815 2 – 1 ½" ABS 45° Elbows Part# 101282 1 – 1 ½" ABS 45° Tee

Part# 100849 2 – 3" Plumbing Grommets

1 – 1 ½" x 26" ABS Pipe 1 – 1 ½" x 60" ABS Pipe

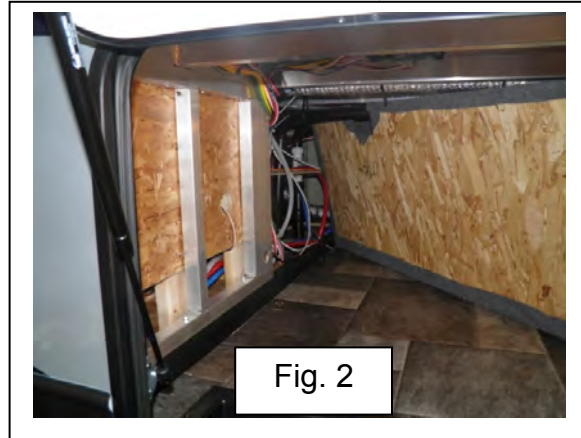
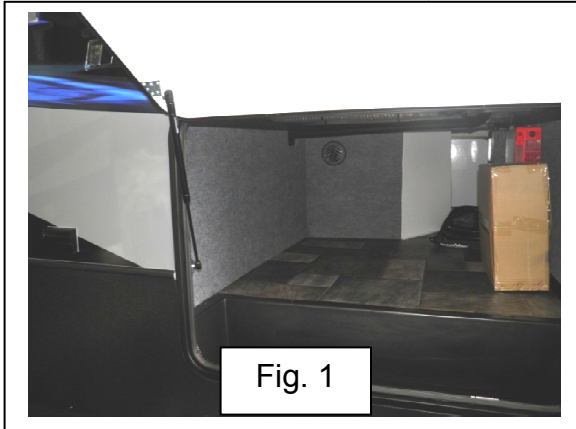
Keystone trim molding part #s: Batten: Part # 484390 2

Corner: Part # 484388 1

Tools Required: - Screw Gun with Square bit - Drill with 2" Hole saw - ABS Pipe cutter
 - Tape Measure - Utility Knife - Pry Bar - ABS Cement

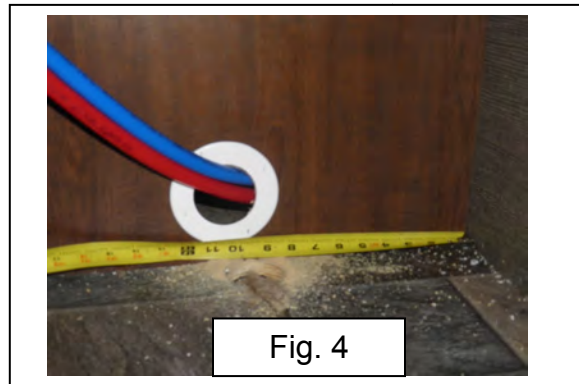
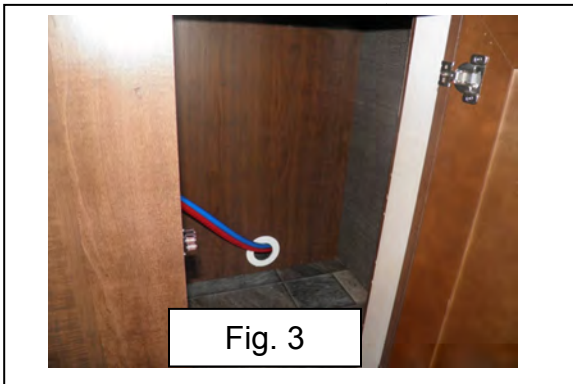
PREPARATION / REPAIR

- Step 1** Locate the trailer on a level, flat and hard surface. Chock the wheels.
- Step 2** Remove support cleat and divider panel located in pass through storage compartment. See Figs. 1 & 2.

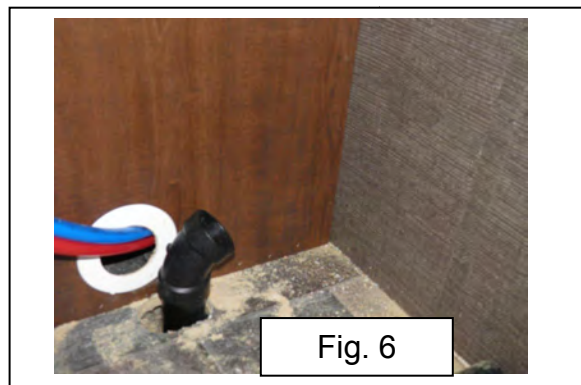
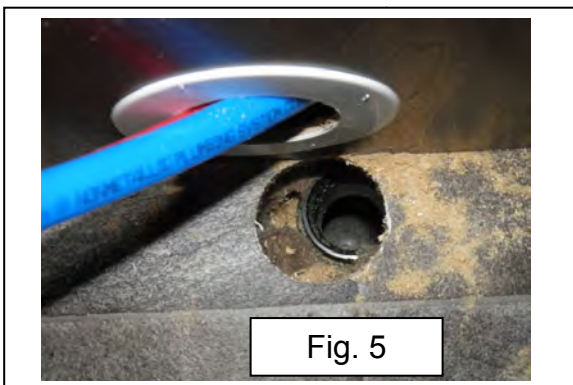


- Step 3** Locate kitchen sink water feed lines under kitchen base cabinet. See Figure 3. Locate and drill a 2" hole, 10" from bath deck wall and 1" from cabinet divider panel. See figure 4. Drill through floor decking, use utility knife to cut Darco floor wrap. Locate holding tank vent hole. See figure 5. Additional cuts may be required to gain full access to holding tank vent hole.

NOTE: Test fit all plumbing fittings / components prior to gluing.



- Step 4** Cut a piece of 1 1/2" ABS pipe to 4 1/2" long. Place pipe with a 45° elbow into tank vent fitting, oriented towards divider wall. See figure 6. Use a piece of 1 1/2" ABS pipe to align and locate hole required to connect tank to new vertical vent tube. See figure 7.



- Step 5** Locate & drill 2" hole in bath deck divider wall, as close as possible to corner. Verify there are no wires or studs in the location of hole to be drilled. See figure 7 & 8.



Fig. 7

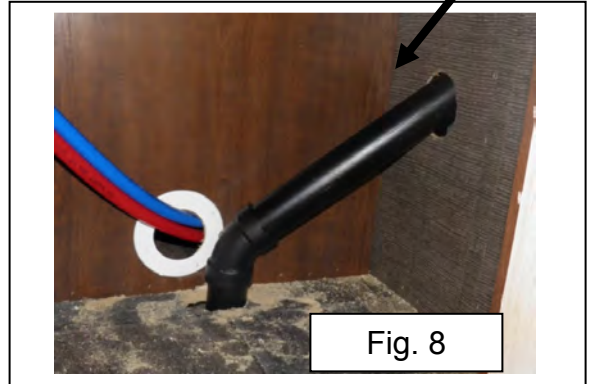


Fig. 8

- Step 6** Prepare upper deck bathroom as follows, use caution to avoid damage:

- Using industry standards, remove toilet from floor mount. Set aside.
- Remove overhead cabinet located above toilet. Set aside. Fig. 9
NOTE: Remove false panel on cabinet bottom to expose 3 screws.
- Remove top, bottom & side moldings from wall panel.
- Use utility knife to cut wall panel along right side adjacent to shower stall, & along bottom at floor line Fig. 10 (caution, wiring runs behind panel near center).
- Use pry bar to loosen wall panel & corner panel, for reuse. Remove both.



Fig. 9

Note: Screws exist under false panel on cabinet bottom.

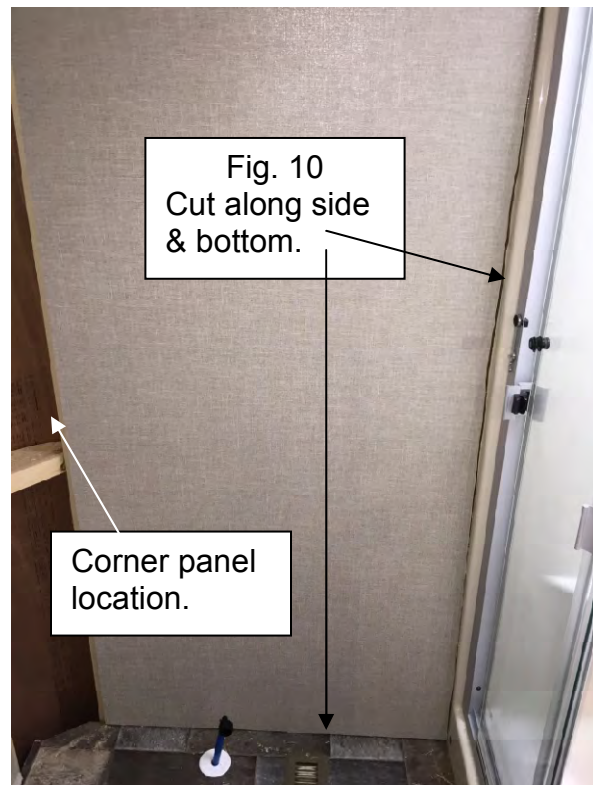


Fig. 10
Cut along side
& bottom.

Corner panel
location.

Step 7 Tap into vent pipe located between wiring bundles.

- Cut to fit (approximate 4" section) out of existing vertical vent pipe at 40" above floor line.

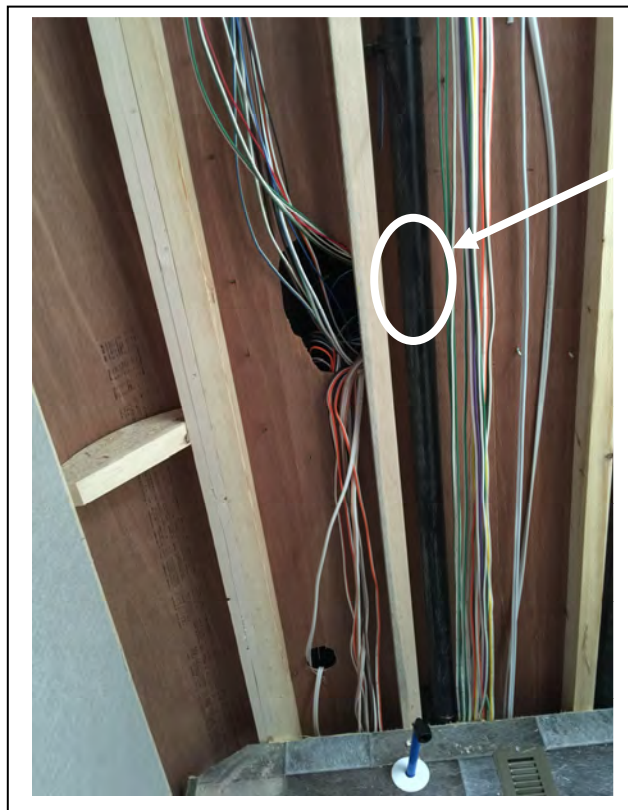


Fig. 10
Position tee / elbow in this location 40" above floor, oriented as in photo.



CAUTION – Make sure tee and elbow fittings are oriented so that wall panel can be reinstalled properly.

- Glue 45° Tee fitting into pipe. May need to remove roof vent cap, move pipe up.
- Glue 45° elbow to tee fitting.

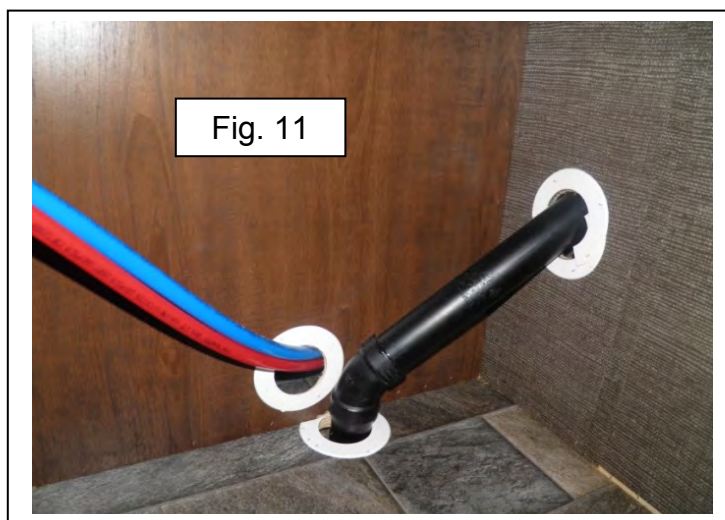
Step 8 Install 1 ½ x 60" pipe down through floor into pass through storage area below.

- Glue top of pipe to elbow extending from 45° Tee fitting.

Step 9 In pass through storage area:

- Place 45° elbow on opposite end of 1 ½" pipe that was routed from tank vent located below water feed lines shown in figure 8.
- Trim vertical vent tube (originating from Step 7 location) to fit into 45° elbow.

Step 10 Inside kitchen base cabinet, disassemble plumbing pieces. Place 2" grommet in floor & divider panel holes. Refer to figure 11. Glue connecting pipe from elbow to elbow located in pass through area. Glue elbow in pass through area to vertical vent pipe.



Inspect all joints to ensure proper connections.

Step 11 Reverse step 6 as follows:

- Reinstall wall panel, from where it was removed.
- Reinstall corner panel, from where it was removed.
- Install all moldings and batten strips.
- Reinstall overhead cabinet.
- Reinstall toilet.

Step 12 Inspect all areas where work was performed to ensure plumbing, as well as paneling, molding, etc. are correct and secure.

- Air pressure test for leaks.
- Flood tanks to test for leaks.

Step 13 Reinstall pass through compartment divider wall.

WARRANTY REIMBURSEMENT

Submit the request on Key Express using **Flat Rate Code # 7123142A** with **Service Advisory #15-231** noted in the customer complaint section. The time authorized for this repair is 5.0 hours.

Please call Keystone Customer Service at **(866) 273-1452** if you have any questions.