

## SERVICE ADVISORY # 06-068

### Carbon Monoxide detector installation

- Models Included:** All Keystone RV Company Raptor, Hideout, NRG & Tail-gator models with gasoline generators or generator prep and gasoline tanks. All model years through 2006.
- Serial Numbers:** 2004 – 2006 Raptor – only units prior to serial # 6M857203 with generator prep/fuel tank option or generator option  
2002 – 2006 Hideout - All  
2006 NRG – only units prior to serial # 6R857341 with generator prep/fuel tank option or generator option  
2000 – 2006 Tail-gator – only units with generator prep/fuel tank option or gas generator option
- Parts Required:** KRV # 212767 - 12 volt CO detector (Safe T Alert)  
Putty to touch up wall panels  
Obtain locally: 14-2 wire as needed, Scotchlok wire connectors, butt connectors
- Tools Required:** Drill, Phillips head bit, 1” drill bit, needle nose pliers, flat blade screwdriver

**Keystone RV Company is conducting a voluntary RECALL notification campaign in accordance with the National Traffic and Motor Vehicle Safety Act. The trailers listed were built with a battery powered carbon monoxide (CO) detector. This recall adds an additional 12 volt powered CO detector to the trailer. The detector provides an additional measure of protection in the event that carbon monoxide levels rise inside the recreational vehicle.**

### General Information

- Stock units must be remedied before selling.
- Since numerous model lines and various floor plans are involved in this recall the instructions on locating the CO detector are not unit specific. The installer must determine the correct location for the CO detector in the trailer according to the guidelines published in the CO detector's installation instructions (SAFE-T-ALERT).

### Corrective action

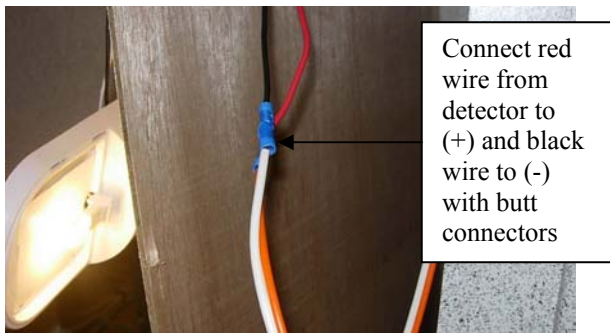
- Step 1.** Identify a location in the trailer near the main sleeping area with access to a 12 volt circuit. Using a nearby ceiling mounted 12 volt light fixture is recommended. Since carbon monoxide is 2% lighter than air the CO detector should be installed above the four foot level. The detector can be mounted on a cabinet wall or on the ceiling.
- Step 2.** Insure that the electrical circuit you have chosen is **not switched**, that is, that a switch cannot cut power to the CO detector.
- Step 3.** Remove the screws holding the 12 volt fixture in place to gain access to the wires. See the pictures on the following page.



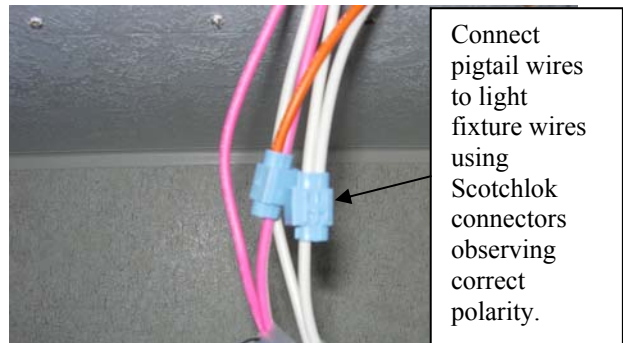
**Step 4** If installing the CO detector on an adjacent cabinet wall, detach the panel and drill a hole into the ceiling cavity through the cabinet wall. Route a length of 14-2 wire through the hole to the fixture.



**Step 5** Drill a hole into the panel where the CO detector will be placed. Route the 14-2 wires through the hole and connect the CO detector to the 14-2 wire with butt connectors. The red wire on the detector is positive (+) and the black wire is ground (-). Make a similar connection at the fixture with Scotchlok connectors.



Connect red wire from detector to (+) and black wire to (-) with butt connectors



Connect pigtail wires to light fixture wires using Scotchlok connectors observing correct polarity.

**Step 6** After the connections are made, insure that power is being supplied to the CO detector. A green light on the detector will glow.



**Step 7** Reinstall light to ceiling and side panel to cabinet. Finish installing the CO detector to the cabinet panel. Take care not to run screws into wires.



**Step 8** The CO detector comes with labels that must be installed. Clean the wall panel before applying the labels. Two labels must be placed near the detector (shown below) and a third label is to be installed near the entry door.



**Step 9** Installation is now complete.

Submit labor expense on a Keystone Warranty Claim Form with the **Service Advisory 06 – 068** and **Flat Rate Code # 7106842K** noted in the customer complaint section. The amount of time authorized for this repair is 1.0 hour per vehicle.

If you have any questions please call Keystone RV Customer Service at:

Hobbi & Hideout	866-273-1454
Raptor	866-273-1452
NRG & Tail-gator	541-276-6075