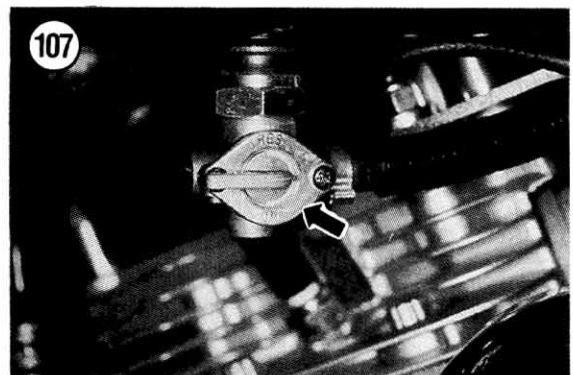
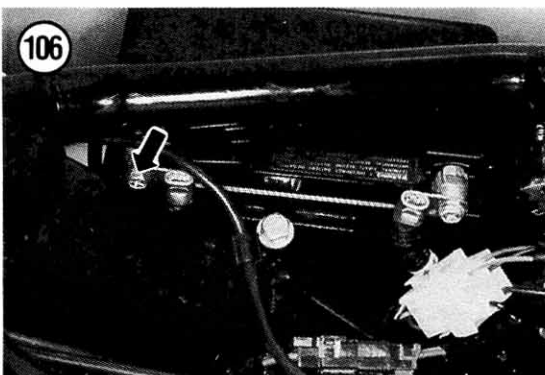
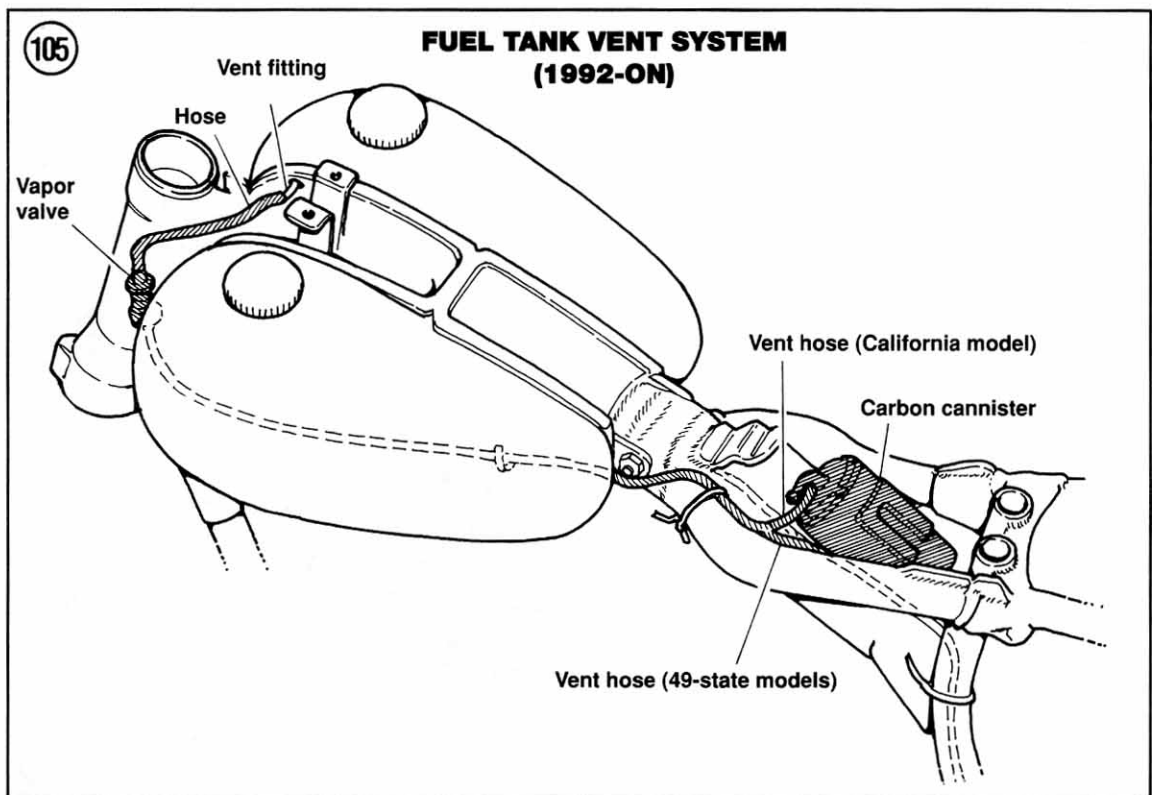


- a. Turn the fuel valve off and disconnect the fuel hose (A, **Figure 108**) from the fuel valve. Plug the open end of the hose.
- b. Connect the drain hose (**Figure 109**) to the fuel valve and secure it with a hose clamp. Insert the end of the drain hose into a gas can.
- c. Disconnect the vacuum hose (B, **Figure 108**) from the fuel valve.
- d. Connect a hand-operated vacuum pump to the fuel valve vacuum hose nozzle (B, **Figure 108**).



- e. Turn the fuel valve (**Figure 108**) to the RES (reserve) position.

**CAUTION**

*In the following step, do not apply more vacuum than 10 in. (254 mm) Hg or you can damage the fuel valve diaphragm.*

- f. Operate the vacuum pump handle (**Figure 110**) and apply 1-10 in. (25.4-254 mm) Hg of vacuum. When you apply the vacuum, the fuel will start to flow.
  - g. When fuel stops flowing through the hose, turn the fuel valve off and release the vacuum. Disconnect the vacuum pump and drain hose.
4. On 1992 and later models, disconnect the vent hose from the fuel tank.
  5. Disconnect the electrical connectors leading from the gauges mounted on the fuel tank.
  6. Disconnect the crossover hose from the fuel tank (**Figure 111**). Plug the hose and tank openings.
  7. Remove the nuts, washers and bolts securing the fuel tank to the frame.
  8. Lift off and remove the fuel tank.

**NOTE**

*Store the fuel tank in a safe place—away from open flames or objects that could fall and damage it.*

9. Drain any remaining fuel left in the tank into a gas can.
10. Installation is the reverse of these steps. Note the following.
11. When installing an aftermarket fuel tank, you must clean and seal the tank before installing it on your bike. See *Installing a New Fuel Tank* in this chapter.
12. Tighten the front and rear bolts and nuts to the torque specification listed in **Table 2**.
13. Make sure you install the insulator tube over the fuel hose.
14. Reconnect the fuel hose to the fuel valve and secure it with a hose clamp. When installing a factory hose clamp, tighten it with the Harley-Davidson hose clamp pliers (part No. HD-97087-66B) or equivalent.
15. Refill the tank and check for leaks.

### Inspection

Refer to **Figure 103** for this procedure.

