

Choke Pulloff Diaphragm Adjustments: The choke pull-off diaphragm partially opens the choke plate following engine startup. This helps prevent flooding and provides for smoother engine operation as the set is warming up. Use the following procedure to adjust.

1. Disconnect the diaphragm hose from the rear side of the intake manifold and apply 1 to 2 inches (25.4 to 50.8 mm) Hg vacuum to the diaphragm. Diaphragm stem should pull in and remain in while vacuum is applied.
2. Apply finger pressure lightly against the choke lever to take up the free play in the pulloff linkage (see Figure 6-16).
3. Check linkage alignment (as viewed from the top) of diaphragm stem, pulloff linkage, and choke linkage. Correct alignment as required to obtain one-half travel at choke lever.
4. Move the choke lever back and forth to check for free movement. Verify that choke does not bind or stick.
5. Remove vacuum supply and reconnect the diaphragm hose to rear side of intake manifold.

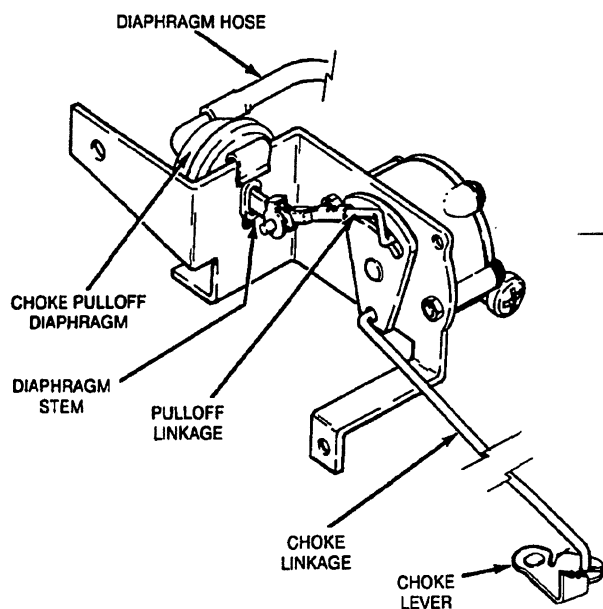


FIGURE 6-16. CHOKE PULLOFF DIAPHRAGM

FS-1763

Fuel Pump

An electric fuel pump is used to supply fuel to the carburetor. If the pump malfunctions or insufficient fuel delivery is suspected, use the following procedures to test the fuel pump.

⚠ WARNING *Do not substitute automotive type electric fuel pumps for standard Onan supplied electric fuel pumps. The output pressure is much higher and can cause carburetor flooding or fuel leakage, creating a fire hazard.*

Fuel Pump Test: Test the fuel pump by checking the pump outlet pressure as follows:

1. Remove fuel line from carburetor inlet and install a pressure gauge.
2. Press start switch and hold it for several seconds, until pressure reading is constant.
3. The pressure reading for a good pump should fall within 3-1/2 to 5 psi (17.2 to 34.4 kPa). The pressure should stay constant or drop off very slowly.
 - If pressure reading is below 3 1/2 psi (17.2 kPa), replace fuel pump.
 - If pressure reading is at zero, stop engine cranking and check electrical connections. Press the Start switch and recheck pressure reading.
 - There are no serviceable components in the fuel pump. Replace complete fuel pump assembly if defective.