McCULLOCH

SERVICE BULLETIN # 1061A

SUBJECT: Servicing of the Fuel Tank Pressure Vent Valve

MODEL 1-70, 1-80 DATE 7/6/59

This Service Bulletin replaces Service Bulletin #1061.

1-70 and 1-80 chain saw engines are factory-equipped with a fuel tank pressure vent valve designed to prevent flooding of the carburetor due to the build-up of pressure in the fuel tank under hot weather cutting conditions. Unless care is taken to see that no dirt or sawdust enters the fuel tank during refueling, the pressure vent valve can become clogged by dirt or sawdust.

Symptoms of pressure vent valve clogging are a flooding carburetor and a sudden release of pressure when the fuel tank cap is removed after the engine has been operating. The pressure vent valve is located under the fuel tank just to the right of the center of the tank (See Figure 1). It can be reached for servicing after removal of the starter, clutch and starter base from 1-70 engines or the transmission from 1-80 engines.

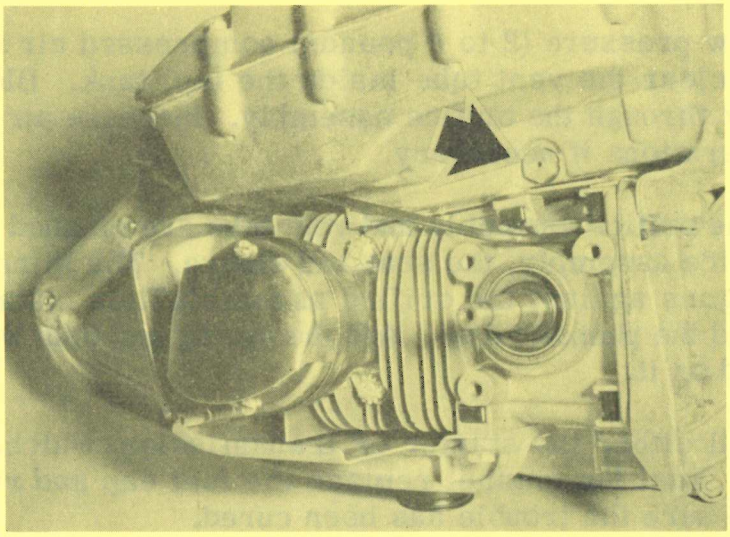


FIGURE 1

The pressure vent valve can be cleaned in the following manner:

1. Remove the fuel tank cap and drain the fuel from the fuel tank.

CAUTION

DO NOT attempt to clean the vent tube with the fuel tank cap in place.

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2. Remove the plug, spring, disc and rubber disc (See Figure 2). Very carefully remove the sleeve and seat. Unscrew the orifice assembly.

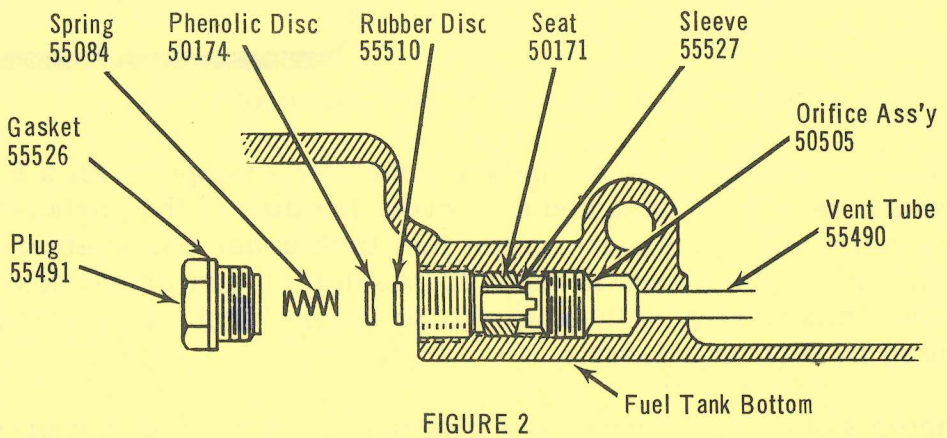


FIGURE 2

CAUTION

Use care in removing the sleeve and seat or they may be damaged and have to be replaced by new ones.

3. Blow low pressure (2 to 4 pounds) compressed air into the valve port to clear the vent tube inside the fuel tank. Blow low pressure air through the orifice assembly. Increase air pressure for both operations if necessary.

4. After the orifice assembly and vent tube are cleaned out, reinstall the orifice assembly, the seat and sleeve. The thinner end of the sleeve goes against the orifice assembly. Then install the rubber disc, and the phenolic disc. Add the spring and plug with the gasket mounted on it.

5. Reinstall either the starter or transmission, whichever was removed. Fuel the engine, replace the fuel cap and run the engine to make sure the trouble has been cured.