

FUEL PUMPS

DESCRIPTION

1D

Crankcase pulsating pressure is transferred to the fuel pump diaphragm. The diaphragm pressure draws fuel from the fuel tank. Before servicing fuel pump, be sure to have the necessary replacement parts.

NOTE: Model 1966-67-68 small one and 2-cylinder fuel pumps had check valves pressed into pump housing. Check valves may be replaced individually or with the housing. (Figure 1)

Check
Valves
On
Inside

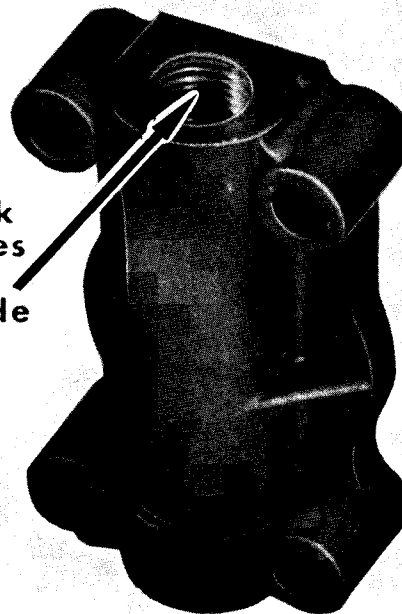


Figure 1. Check Valve Location



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REMOVAL

1. Remove fuel tank line from adaptor.
2. Remove fuel lines from pump.
3. Remove screws which secure fuel pump assembly to crankcase.

DISASSEMBLY

1. Separate fuel pump components.
2. Remove gaskets, diaphragm & check valve retainer screw.
3. Refer to Figures 4-5-6 and 7 for disassembly.

CLEANING and INSPECTION

1. Wash all parts thoroughly and use compressed air to clean all parts.
2. Inspect each part carefully for wear or damage.
3. Replace pulsator diaphragm and gaskets.
4. Be sure that valve seats provide flat contact area for valve disc.
5. Tighten elbows and check valve connections firmly when replacing.
6. Do not use Permatex on valve retainer gasket.
7. Inspect check valves after reassembling fuel pump cover by blowing thru outlet hole. Air should be drawn thru valve but should close immediately when attempting to blow thru it.
8. Check inlet valve by reverse procedure. If leakage is encountered, check for free operation and accurate setting of valves.
9. Worn or slightly warped valve will cause leakage. Replace with new valves for more accurate setting.