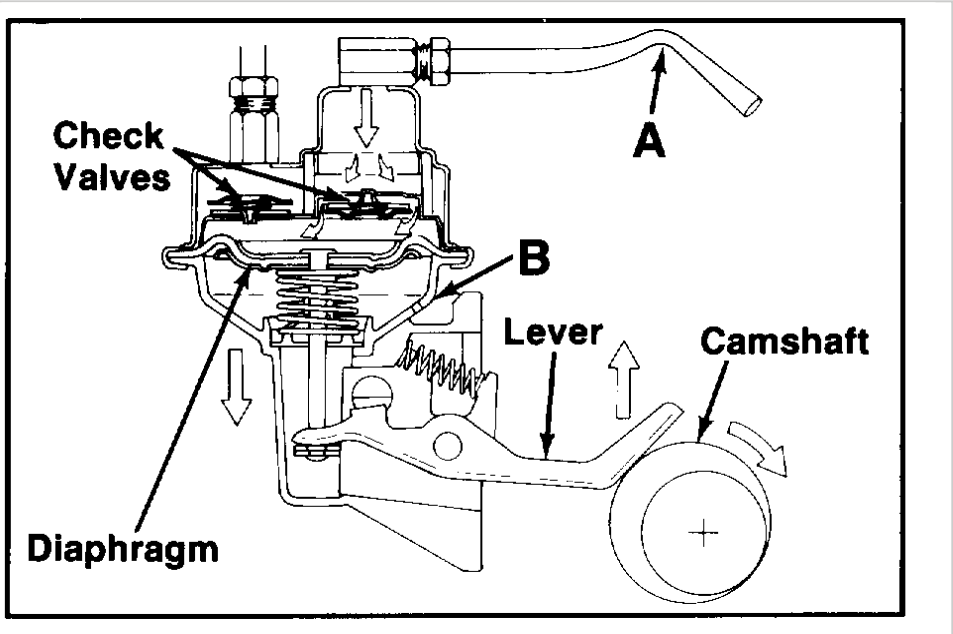
COMPONENT TESTS AND GENERAL DIAGNOSTICS

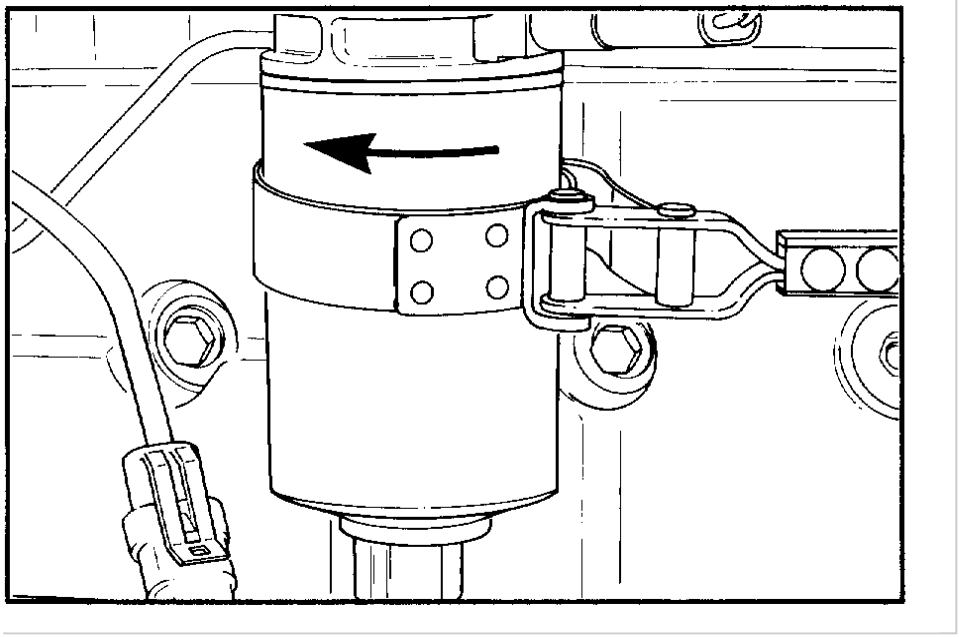
NOTE: A malfunctioning lift pump can cause low power.



The lift pump is mechanically driven by a lobe on the camshaft. Wear on the lever or a damaged lobe can reduce the pumping action.

Do not operate the fuel system with a suction restriction (A) of more than **95mm (3.75 inch) Hg**.

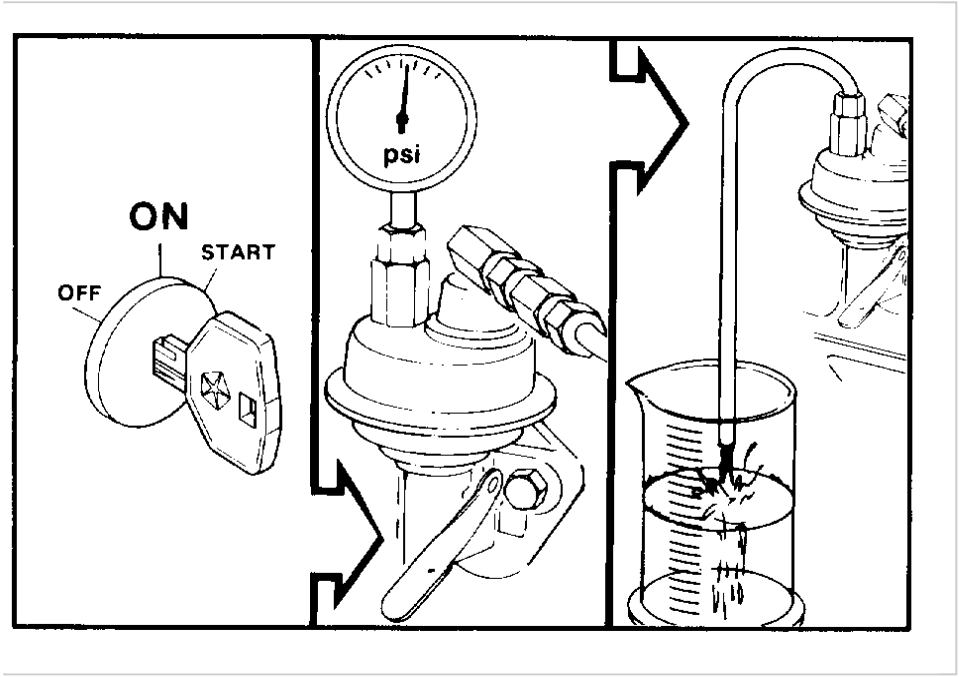
CAUTION: If the diaphragm ruptures, fuel will drain from the weep hole (B) in the housing.



Pressure drop across the filter is **21 kPa [3 psi]**, maximum.

The pressure drop will increase as the filter removes contamination from the fuel. Therefore, a worn lift pump will have reduced capacity to force fuel through a dirty filter. This can cause low engine power.

NOTE: Frequent filter replacement to get full power from the engine can Indicate a worn lift pump.



The output of the pump can be measured at cranking speed:

^ **Volume (within 30 seconds): 0.75 liters [0.70 U.S. quarts]**

^ **Pressure: 21 to 35 kPa [3 to 5 psi]**