

Fuel Pump Troubles and Their Cure

Trouble	Cause	Remedy
1. Pump leaking between housing and cover; loss of fuel	a) Slotted screws loose b) Diaphragm cracked	a) Tighten screws b) Replace diaphragm
2. Diaphragm leaks at rivets; loss of fuel	Diaphragm damaged by inexperienced installation	Replace diaphragm acc. to specification
3. Diaphragm material leaking; loss of fuel	Diaphragm material damaged by solvent ingredients in fuel	Replace diaphragm
4. Excessive pump stroke: overstraining of the diaphragm	Pump incorrectly installed, gasket too thin	Install pump correctly, if necessary check diaphragm
5. Pump pressure too low	a) Pump incorrectly installed, gasket too thick b) Spring tension too low	a) Install pump correctly b) Replace spring, or if necessary stretch it apart
6. Pump pressure too high; float needle valve forced down	a) Pump incorrectly installed, gasket too thin b) Spring tension too high	a) Install pump correctly b) Replace spring, or if necessary bring intermediate coils closer together
7. Fuel pump inoperative or insufficient fuel delivery	Valves leaking or sticking	Check valves, if necessary replace valve plates and valve seats