

Disassembly

- 10** 1. Remove primer pump housing retainer from primer pump.
- 11** 2. Remove primer plunger from housing. Discard O-rings.

Cleaning and Inspection

Inspect brass plunger shaft for any burrs or scratches. Remove small scratches by polishing the plunger with crocus cloth. If the plunger has deep scratches, replace the plunger.

Inspect plunger where cross hole intersects inside hole. Any burrs around cross hole will accelerate wear of O-rings. Remove any protruding burrs and polish with crocus cloth.

The check valve under the small nipple on the primer pump housing allows fuel flow out of the pump housing and prevents flow into the housing.

To inspect for proper check valve function, use a squeeze bottle containing alcohol (such as isopropyl rubbing alcohol). Connect a clear plastic hose between small nipple and bottle to observe flow of alcohol. Squeeze the bottle lightly to force alcohol through the hose. Visually check for flow of alcohol into the housing. It is permissible for a few drops to be present. This indicates the check valve is blocking the flow and functioning correctly. If a steady stream of alcohol flows through the small nipple, the check valve is inoperative and the primer pump housing must be replaced.

Install a hose over the large nipple of the primer pump housing and connect other end of hose to the alcohol squeeze bottle. Place your thumb over end of the plunger housing. Squeeze the alcohol bottle to fill the plunger housing. Alcohol should flow freely out of the small nipple, indicating no obstructions. If no flow is indicated, replace primer pump housing.

