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## SERVICE INFORMATION

### GENERAL INSTRUCTIONS

- Use caution when working with gasoline. Always work in a well-ventilated area and away from sparks or flames.
- The float bowl has a drain plug that can be loosened to drain residual fuel.
- When disassembling fuel system parts, note the locations of the O-rings. Replace them during assembly.

### TOOL

Common  
Float Level Gauge                    07401-0010000

### SPECIFICATIONS

Fuel tank capacity                    8.4 lit (2.2 US gal, 1.9 Imp gal)  
Fuel reserve capacity                1.9 lit (0.50 US gal, 0.42 Imp gal)

#### Carburetor

Identification mark	PE23A
Type	Piston valve
Venturi dia	27 mm (1.1 in)
Float level	18.5 mm (0.7 in)
Air screw opening	1-3/8
Idle speed	1,300 ± 150 rpm
Main jet	# 158
Jet needle	3rd STAGE
Throttle lever free play	5-10 mm (3/16-3/8 in)

## TROUBLESHOOTING

### Engine cranks but won't start

1. No fuel in tank
2. No fuel to carburetor
3. Too much fuel getting to cylinder
4. No spark at plug (ignition malfunction)
5. Air cleaner clogged

### Engine Idles roughly, stalls, or runs poorly

1. Idle speed incorrect
2. Ignition malfunction
3. Low compression
4. Rich mixture
5. Lean mixture
6. Air cleaner clogged
7. Air leaking into inlet pipe
8. Fuel contaminated

### Lean mixture

1. Carburetor fuel jets clogged
2. Fuel cap vent clogged or blocked
3. Fuel filter clogged
4. Fuel line kinked or restricted
5. Float valve faulty
6. Float level too low
7. Air vent tube clogged

### Rich mixture

1. Choke stuck closed
2. Faulty float valve
3. Float level too high
4. Carburetor air jets clogged
5. Air cleaner dirty