

3. FUEL SYSTEM

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SERVICE INFORMATION

GENERAL

- 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.

SPECIFICATIONS

Fuel tank capacity
 Fuel
 Oil
 Fuel: Oil pre-mix ratio
 Carburetor:

9.8 lit. (2.6 U.S. gal., 2.2 Imp. gal.)
 Premium or leaded gasoline (Octane rating 92-100, RON)
 Honda 2-STROKE OIL or equivalent
 20 : 1

Model	'85	AFTER '85
Identification mark	PE37A	PJ03A
Type	Piston valve	Piston valve
Venturi diameter	34 mm (1.3 in)	34 mm (1.3 in)
Float level	16 mm (0.63 in)	16 mm (0.63 in)
Air screw opening	2 turns out	2-1/4 turns out
Jet needle	2nd groove	3rd groove
Main jet	#142	#145
Slow jet	#52	#42

Optional main jets:

'85: #138, #140, #145, #148 (in increments of 2 or 3).
 AFTER '85: #140, #142, #148, #150 (in increments of 2 or 3).

TOOL

Common

Float level gauge 07401-0010000

TROUBLESHOOTING

Engine cranks but won't start

- No fuel in tank
- No fuel to carburetor
- Too much fuel getting into cylinder
- No spark at plug (ignition malfunction)
- Air cleaner clogged
- Deteriorated premix

Engine idles roughly, stalls, or runs poorly

- Idle speed incorrect
- Ignition malfunction
- Low compression
- Rich mixture
- Lean mixture
- Air cleaner clogged
- Air leaking into inlet pipe
- Fuel contaminated

Lean mixture

- Carburetor fuel jets clogged
- Fuel cap vent clogged or blocked
- Fuel filter clogged
- Fuel line kinked or restricted
- Float valve faulty
- Float level too low
- Air vent tube clogged

Rich mixture

- Starter valve stuck open
- Worn or damaged starter valve seat
- Faulty float valve
- Float level too high
- Carburetor air jets clogged
- Air cleaner dirty