

# 18. Troubleshooting

Engine Does Not Start or is Hard to Start	18-1	Poor Performance at Low and Idle Speeds	18-3
Engine Lacks Power	18-2	Poor Performance at High Speed	18-3

## Engine Does Not Start or is Hard to Start

1. Check if fuel is getting to carburetor by loosening drain screw

GETTING TO CARBURETOR



2. Try spark test

SPARK



3. Test cylinder compression

NORMAL COMPRESSION



4. Start by following normal starting procedure

ENGINE DOES NOT FIRE



5. Remove spark plug

DRY

NOT GETTING TO CARBURETOR

- No fuel in fuel tank
- Clogged fuel tube to carburetor
- Clogged fuel filter
- Clogged float valve
- Clogged fuel tank cap breather hole
- Faulty fuel pump

WEAK OR NO SPARK

- Faulty spark plug
- Fouled spark plug
- Faulty CDI unit
- Faulty alternator
- Broken or shorted spark plug wire
- Broken or shorted ignition coil
- Faulty ignition switch

LOW COMPRESSION

- Stuck piston rings
- Faulty or deteriorated reed valve
- Worn cylinder and piston rings
- Compression leak past crankcase
- Leaking cylinder head gasket

ENGINE FIRES BUT SOON STOPS

- Faulty auto bystarter
- Air leaking past intake pipe
- Improper ignition timing
- Misadjusted idle speed

WET PLUG

- Carburetor flooded
- Faulty auto bystarter
- Throttle valve excessively open
- Clogged air cleaner element