Low output power

This trouble often has more than one cause, and trouble symptoms may not be clear

- Low compression
  - Outside cylinder
    - ① Spark plug improperly installed
    - ② Poor cylinder head mounting
  - Inside cylinder
    - ① Damaged head gasket
    - ② Cylinder, piston wear
    - ③ Worn, weakened or broken piston rings
    - ④ Crankshaft, main bearing or oil seal defective
- Engine runs poorly under load, but runs fine with load removed
  - Ignition System
    - ① Spark plug gap too large, or wrong heat range
    - ② Ignition timing maladjusted
    - ③ Reduced performance of A or B CDI unit
    - ④ Weak spring arm of contact points
    - ⑤ Reduced ignition coil performance
    - ⑥ Loose wiring connection in ignition circuit
  - Fuel System
    - ① Insufficient fuel supply to carburetor
    - ② Starter plunger stuck in up position
    - ③ Float level maladjusted
    - ④ Main jet clogged
    - ⑤ Throttle valve does not fully open
  - Other
    - ① Air cleaner clogged
    - ② Muffler plugged up
    - ③ Water or foreign matter in gasoline
- Clutch slippage
  - ① Clutch release maladjusted
  - ② Friction discs worn
  - ③ Clutch springs weak
- Overheating
  - ① Electical maladjustment
  - ② Carburetor maladjusted
  - ③ Air cleaner or muffler clogged
  - ④ Clutch slipping
  - ⑤ Carbon accumulation in combustion chamber
  - ⑥ Incorrect type of gasoline or oil
- Heavy fuel and oil consumption
  - ① Carburetor maladjusted
  - ② Air cleaner clogged
  - ③ Muffler clogged
  - ④ Clutch slipping
  - ⑤ Control cable maladjusted
  - ⑥ Oil pump maladjusted
  - ⑦ Worn cylinder, piston or piston rings