



2. Check tire pressure with tire gauge

PRESSURE NORMAL

3. Try rapid acceleration from low to second

ENGINE SPEED LOWERED WHEN CLUTCH IS RELEASED

4. Lightly accelerate engine

ENGINE SPEED INCREASED

5. Check ignition timing

CORRECT

6. Check valve clearance

CORRECT

7. Test cylinder compression using a compression gauge

NORMAL

8. Check carburetor for clogging

NOT CLOGGED

9. Remove spark plug

NOT FOULED OR DISCOLORED

10. Remove oil level gauge and check oil level

CORRECT

11. Remove cylinder head cover and inspect lubrication

VALVE TRAIN LUBRICATED PROPERLY

12. Check if engine overheats

NOT OVERHEATED

PRESSURE TOO LOW

- (1) Punctured tire
- (2) Faulty tire valve

ENGINE SPEED DOES NOT CHANGE WHEN CLUTCH IS RELEASED

- (1) Clutch slipping
- (2) Worn clutch disc/plate
- (3) Warped clutch disc/plate

ENGINE SPEED NOT INCREASED SUFFICIENTLY

- (1) Carburetor choke closed
- (2) Clogged air cleaner
- (3) Restricted fuel flow
- (4) Clogged fuel tank breather tube
- (5) Clogged muffler

INCORRECT

- (1) Faulty CDI unit
- (2) Faulty pulse generator
- (3) Faulty ignition advancer

INCORRECT

- (1) Improper valve adjustment
- (2) Worn valve seat

TOO LOW

- (1) Valve stuck open
- (2) Worn cylinder and piston rings
- (3) Leaking head gasket
- (4) Improper valve timing

CLOGGED

- (1) Carburetor not serviced frequently enough

FOULED OR DISCOLORED

- (1) Plug not serviced frequently enough
- (2) Use of plug with improper heat range

OIL LEVEL INCORRECT

- (1) Oil level too high
- (2) Oil level too low
- (3) Contaminated oil

VALVE TRAIN NOT LUBRICATED PROPERLY

- (1) Clogged oil passage
- (2) Clogged oil control orifice

OVERHEATED

- (1) Excessive carbon build-up in combustion chamber
- (2) Use of improper quality of fuel
- (3) Clutch slipping
- (4) Fuel-air mixture too lean