

12. Check if engine overheats ————— Overheated —————>
- Coolant level low
 - Fan motor not working (faulty fan motor switch)
 - Thermostat stuck closed
 - Excessive carbon build-up on the piston head or combustion chamber
 - Use of improper quality fuel
 - Clutch slipping
 - Fuel-air mixture too lean
- Not Overheated

13. Accelerate or run at high speed ————— Engine Knocks —————>
- Worn piston and cylinder
 - Fuel-air mixture too lean
 - Use of improper quality fuel
 - Excessive carbon build-up on the piston head or combustion chamber
 - Ignition timing too advanced (Faulty spark unit or pulse generator)

Poor Performance at Low and Idle Speeds

1. Check ignition timing and valve clearance ————— Incorrect —————>
- Improper valve clearance
 - Improper ignition timing (Faulty spark unit or pulse generator)
- Correct
2. Check carburetor pilot screw adjustment ————— Incorrect —————>
- Fuel-air mixture too lean
 - Fuel-air mixture too rich
- Correct
3. Check if air is leaking past intake pipe ————— Leaking —————>
- Deteriorated intake pipe O-ring
 - Loose carburetor
 - Damaged intake pipe
- Not Leaking
4. Perform a spark test ————— Weak or Intermittent Spark —————>
- Faulty, carbon or wet fouled spark plug
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