		Possible Cause
11. Remove cylinder head cover and inspect lubrication	Valve Train Not Lubricated Properly →	• Clogged oil passage • Clogged oil control orifice • Contaminated oil • Faulty oil pump
Valve Train Lubricated Properly ↓		
12. Check for engine overheating	Overheating →	• Coolant level low • Fan motor not working (Faulty fan motor switch) • Thermostat stuck closed • Excessive carbon build-up in combustion chamber • Use of poor quality fuel • Clutch slipping • Lean fuel mixture • Incorrect spark plug
Not Overheating ↓		
13. Accelerate or run at high speed	Engine Knocks →	• Wrong type of fuel • Excessive carbon build-up in combustion chamber/piston head • Ignition timing too advanced (Faulty ignition control module) • Lean fuel mixture
Engine Does Not Knock		

Poor Performance at Low and Idle Speeds

		Possible Cause
1. Check ignition timing and valve clearance	Incorrect →	• Improper valve clearance • Improper ignition timing — Faulty ignition control module — Faulty ignition pulse generator
Correct ↓		
2. Check carburetor pilot screw adjustment	Incorrect →	• See Section 6
Correct ↓		
3. Check for leaking intake pipe	Leaking →	• Loose carburetor • Damaged insulator
No Leakage ↓		
4. Perform the spark test	Weak or Intermittent Spark →	• Faulty, carbon or wet fouled spark plug • Faulty (See page 16-3): — ignition coil — ignition pulse generator — neutral switch — ignition control module — side stand switch — engine stop switch
Good Spark		