10. Check oil level and condition	OIL DIRTY OR LEVEL INCORRECT →	(1) Level too low or high (2) Contaminated oil
CORRECT ENGINE OIL LEVEL ↓		
11. Remove cylinder head cover and check lubrication	INSUFFICIENTLY LUBRICATED →	(1) Clogged oil passage (2) Poor oil pump delivery (3) Low oil pressure
SUFFICIENTLY LUBRICATED ↓		
12. Check if engine overheats	ENGINE OVERHEATS →	(1) Excessive carbon in combustion chamber (2) Incorrect fuel (3) Slipping clutch (4) Mixture too lean
ENGINE DOES NOT OVERHEAT ↓		
13. Rapidly accelerate or run at high speeds	ENGINE KNOCKS →	(1) Worn piston or cylinder (2) Mixture too lean (3) Incorrect fuel (4) Excessive carbon in combustion chamber (5) Advanced ignition timing
ENGINE DOES NOT KNOCK		

POOR PERFORMANCE AT IDLE AND LOW SPEED

		POSSIBLE CAUSE
1. Check ignition timing & valve clearance	INCORRECT TIMING & CLEARANCE →	(1) Incorrect timing adjustment (2) Incorrect valve clearance
CORRECT TIMING & CLEARANCE ↓		
2. Check carburetor pilot screw adjustment	INCORRECTLY ADJUSTED →	(1) Mixture too lean (2) Mixture too rich
CORRECTLY ADJUSTED ↓		
3. Check for air leaks	AIR LEAKS →	(1) Faulty carburetor gasket (2) Carburetor not securely tightened (3) Faulty intake pipe gasket (4) Deteriorated O-ring
NO AIR LEAKS ↓		
4. Remove spark plug & test spark	WEAK OR INTERMITTENT SPARK →	(1) Faulty or fouled plug (2) Fouled, rough, or pitted breaker point surface (3) Condenser shorted (4) Faulty ignition coil
GOOD SPARK		

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