Engine Lacks Power

		Possible Cause
1. Raise wheels off ground and spin by hand Wheel Spins Freely	Wheels Do Not Spin Freely	• Brake dragging • Worn or damaged wheel bearings • Wheel bearings need lubrication • Drive chain too tight
2. Check tire pressure Pressure Normal	Pressure Low	• Faulty tire valve
3. Accelerate rapidly from low to second Engine Speed Lowered When Clutch is Released	Engine Speed Not Changed When Clutch is Released	• Clutch slipping • Worn clutch discs/plates • Warped cutch discs/plates • Weak clutch spring
4. Accelerate lightly Engine Speed Increases	Engine Speed Does Not Increase	• Carburetor choke closed • Clogged air cleaner • Restricted fuel flow • Clogged muffler • Pinched fuel tank breather tube
5. Check ignition timing Correct	Incorrect	• Faulty spark unit • Faulty pulse generator
6. Check hydraulic tappet conditions Correct	Incorrect	• Clogged tappet oil holes • Worn valve seat • Damaged tappet
7. Test cylinder compression Normal	Too Low	• Valve stuck open • Worn cylinder and piston rings • Leaking head gasket • Improper valve timing
8. Check carburetor for clogging Not Clogged	Clogged	• Caburetor not serviced frequently enough
9. Remove spark plug Not Fouled Or Discolored	Not Fouled Or Discolored	• Plugs not serviced frequently enough • Spark plugs are incorrect heat range
10. Check oil level and condition Correct	Incorrect	• Oil level too high • Oil level too low • Contaminated oil
11. Remove cylinder head cover and inspect lubrication Valve Train Lubricated Properly	Valve Train Not Lubricated Properly	• Clogged oil passage • Clogged oil control orifice