Engine Lacks Power

		Possible Cause
1. Raise wheels off ground and spin by hand	Wheels Do Not Spin Freely →	• Brake dragging • Worn or damaged wheel/bearing holder bearings • Wheel bearing needs lubrication • Drive chain too tight • Axle nut excessively tight
Wheel Spins Freely ↓		
2. Check tire pressure	Pressure Low →	• Faulty tire valve
Pressure Normal ↓		
3. Check for clutch slippage	Clutch Slips →	• Faulty clutch lifter system • Worn clutch disc/plate • Warped clutch disc/plate • Weak clutch spring • Clutch slave piston stuck
Clutch Engaged Properly ↓		
4. Accelerate lightly	Engine Speed Does Not Increase →	• Carburetor choke closed • Clogged air cleaner • Restricted fuel flow • Clogged muffler • Clogged fuel tank breather • Faulty fuel pump • Faulty fuel pump relay • Loose, broken or shorted wire or connection of pump relay
Engine Speed Increases ↓		
5. Check ignition timing	Incorrect →	• Faulty ignition control module • Faulty ignition pulse generator
Correct ↓		
6. Check valve clearance	Incorrect →	• Improper valve adjustment • Worn valve seat
Correct ↓		
7. Test cylinder compression	Too Low →	• Valve stuck open • Worn cylinder and piston rings • Improper valve timing • Improper valve and seat contact
Normal ↓		
8. Check carburetor for clogging	Clogged →	• Carburetor not serviced frequently enough
Not Clogged ↓		
9. Check spark plug condition	Fouled or Discolored →	• Plugs not serviced frequently enough • Spark with incorrect heat range
Not Fouled or Discolored ↓		
10. Check oil level and condition	Incorrect →	• Oil level too high • Incorrect oil being used • Contaminated oil
Correct ↓		