ENGINE LACKS POWER

		Probable Cause:
1. Raise wheels off ground and spin by hand.	WHEEL DOES NOT SPIN FREELY →	(1) Brake dragging. (2) Worn or damaged wheel bearing. (3) Wheel bearing needs lubrication. (4) Drive chain too tight.
WHEEL SPINS FREELY ↓		
2. Check tire pressure with tire gauge.	PRESSURE TOO LOW →	(1) Punctured tire. (2) Faulty tire valve.
PRESSURE NORMAL ↓		
3. Try rapid acceleration from low to second.	ENGINE SPEED DOES NOT CHANGE WHEN CLUTCH IS RELEASED →	(1) Clutch slipping. (2) Worn clutch disc/plate. (3) Warped clutch disc/plate.
ENGINE SPEED LOWERED WHEN CLUTCH IS RELEASED ↓		
4. Lightly accelerate engine.	ENGINE SPEED NOT INCREASED SUFFICIENTLY →	(1) Carburetor choke closed. (2) Clogged air cleaner. (3) Restricted fuel flow vent. (4) Clogged fuel tank breather tube. (5) Clogged muffler.
ENGINE SPEED INCREASED ↓		
5. Check ignition timing.	INCORRECT →	(1) Faulty CDI unit. (2) Faulty pulse generator. (3) Faulty ignition advancer.
CORRECT ↓		
6. Check valve clearance.	INCORRECT →	(1) Improper valve adjustment. (2) Worn valve seat.
CORRECT ↓		
7. Test cylinder compression using a compression gauge.	TOO LOW →	(1) Valve stuck open. (2) Worn cylinder and piston rings. (3) Leaking head gasket. (4) Improper valve timing.
NORMAL ↓		
8. Check carburetor for clogging.	CLOGGED →	(1) Carburetor not serviced frequently enough.
NOT CLOGGED ↓		
9. Remove spark plug.	FOULED OR DISCOLORED →	(1) Plug not serviced frequently enough. (2) Use of plug with improper heat range.
NOT FOULED OR DISCOLORED		