Engine Lacks Power

		Probable cause
1. Lightly accelerate engine ENGINE SPEED INCREASES	ENGINE SPEED DOES NOT INCREASE SUFFICIENTLY →	• Clogged air cleaner element • Restricted fuel flow • Clogged fuel tank cap breather hole • Clogged muffler
2. Check ignition timing CORRECT	INCORRECT →	• Faulty CDI unit • Faulty alternator
3. Test cylinder compression NORMAL	TOO LOW →	• Worn cylinder or piston rings • Blown cylinder head gasket • Compression leak past crankcase • Faulty or deteriorated reed valve
4. Check carburetor for clogging NOT CLOGGED	CLOGGED →	Carburetor not serviced frequently enough
5. Remove spark plug NOT FOULED OR DISCOLORED	FOULED OR DISCOLORED →	• Plug not serviced frequently enough • Use of plug with improper heat range
6. Check if engine overheats NOT OVERHEATED	OVERHEATED →	• Worn cylinder or piston • Fuel-air mixture too lean • Use of improper grade of fuel • Excessive carbon build-up in combustion chamber • Ignition timing too advanced
7. Try rapid acceleration or run at high speed ENGINE DOES NOT KNOCK	ENGINE KNOCKS →	• Excessive carbon build-up in combustion chamber • Use of improper grade of fuel • Ignition timing too advance • Fuel-air mixture too lean