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ENGINE DOES NOT START OR IS HARD TO START

CHECK	SYMPTOM	PROBABLE CAUSE
1. Check if fuel is reaching carburetor	FUEL NOT REACHING CARBURETOR	(1) No fuel in fuel tank (2) Clogged fuel line from tank to carburetor (3) Clogged carburetor float valve (4) Clogged fuel tank cap breather hole
FUEL REACHING CARBURETOR		
2. Remove spark plug	WET	(1) Carburetor flooded (2) Carburetor choke excessively closed (3) Throttle valve excessively opened
DRY		
3. Test spark	NO SPARK OR SPARK IS WEAK	(1) Faulty spark plug (2) Fouled spark plug (3) Faulty CDI unit (4) Broken or shorted high tension wire (5) Broken or shorted ignition coil (6) Faulty main switch (7) Faulty AC generator (8) Faulty pulse generator (9) Pulse generator rotor air gap incorrect
SPARK JUMPS		
4. Test cylinder compression by operating kick pedal	LOSS OF COMPRESSION	(1) Piston rings stuck in ring lands (2) Flaw in casting (3) Compression leak past crank-case (4) Faulty or clogged reed valve (5) Worn cylinder and piston rings (6) Blown cylinder head gasket
COMPRESSION IS NORMAL		
5. Start by following normal starting procedure	ENGINE FIRES BUT STOPS SOON	(1) Excessively open choke (2) Choke stuck closed (3) Air leaking past manifold (4) Improper Ignition timing (CDI unit or pulse generator faulty)
ENGINE DOES NOT FIRE		
6. Restart with choke applied		