

# 16. TROUBLESHOOTING

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## ENGINE DOES NOT START OR IS HARD TO START

CHECK	SYMPTOM	PROBABLE CAUSE
1. Check if fuel is reaching carburetor	NO FUEL TO CARBURETOR	(1) No fuel in fuel tank (2) Clogged fuel line or fuel filler on Carburetor (3) Clogged carburetor float valve (4) Clogged fuel tank cap breather tube
FUEL TO CARBURETOR ↓		
2. Remove spark plug	WET	(1) Carburetor flooded (2) Carburetor starter valve stuck open (3) Damaged starter valve seat (4) Throttle valve adjusted to low
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 spark plug wire (5) Broken or shorted ignition coil (6) Faulty engine stop switch (7) Faulty Alternator (8) Faulty pulse generator
SPARK JUMPS ↓		
4. Test cylinder compression by operating kick pedal	LOSS OF COMPRESSION	(1) Piston rings stuck (2) Flaw in casting (3) Compression leak (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 bystarter (choke) (2) Starter valve stuck opened (3) Air leaking past intake pipe (4) Improper Ignition timing (CDI unit or pulse generator faulty)
ENGINE DOES NOT FIRE ↓		
6. Restart with bystarter (choke) applied		