21. TROUBLESHOOTING

ENGINE DOES NOT START OR IS
HARD TO START

ENGINE LACKS POWER

POOR PERFORMANCE AT HIGH SPEED 21-4

POOR HANDLING

21-4

POOR PERFORMANCE AT LOW AND IDLE SPEED

21-3

ENGINE DOES NOT START OR IS HARD TO START

Possible cause 1. Check fuel flow to carburetor — Not reaching carburetor Clogged fuel line and strainer Clogged fuel valve vacuum tube Reaching carburetor Clogged fuel tank breather tube 2. Perform spark test -——— Weak or no spark — 🖚 • Faulty spark plug Fouled spark plug Good spark Loose or disconnected ignition system wires Broken or shorted spark plug wire Faulty ignition pulse generator • Faulty ignition coil • Faulty engine stop switch • Faulty ignition control module (ICM) • Faulty converter unit • Faulty ignition switch 3. Remove and inspect spark plugs — Wet plug -Flooded carburetor Starting enrichment (SE) valve ON Good condition position (open) • Throttle valve open • Dirty air cleaner 4. Start by following normal procedure — Engine starts but stops — Improper choke operation Incorrectly adjusted carburetor Engine does not start Leaking carburetor insulator • Improper ignition timing (Faulty ICM or ignition pulse generator) Contaminated fuel 5. Test cylinder compression— Low compression — Valve stuck open Worn cylinder and piston rings Damaged cylinder head gasket Seized valve

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Improper valve timing