## 23. TROUBLESHOOTING

ENGINE DOES NOT START OR IS HARD TO START	23-1	POOR PERFORMANCE AT HIGH SPEED	23-4
ENGINE LACKS POWER	23-2	POOR HANDLING	23-4
POOR PERFORMANCE AT LOW AND IDLE SPEED	23-3		

## **ENGINE DOES NOT START OR IS HARD TO START**

## Possible cause 1. Check for operation of the fuel pump———Abnormal—— Faulty fuel pump (Section 5) Normal Faulty pressure regulator (Section 5) Normal 3. Inspect the fuel injector — Abnormal — → • See section 5 Normal ———Weak or no spark — 4. Perform a spark test —— Faulty spark plug Fouled spark plug Good spark Faulty ECM • Broken or shorted spark plug wire Faulty ignition switch • Faulty ignition pulse generator • Faulty engine stop switch · Loose or disconnected ignition system wires 5. Test cylinder compression — Low compression — Valve stuck open Worn cylinder and piston ring Compression normal • Damaged cylinder head gasket Seized valve Improper valve timing 6. Starting following normal procedure Engine starts but stops Improper starter valve operation • Intake pipe leaking Engine does not start Improper ignition timing (Faulty) ignition coil or ignition pulse generator) • Fuel contaminated 7. Remove and inspect spark plug———Wet plug— Starter valve closed • Throttle valve open • Clogged air cleaner