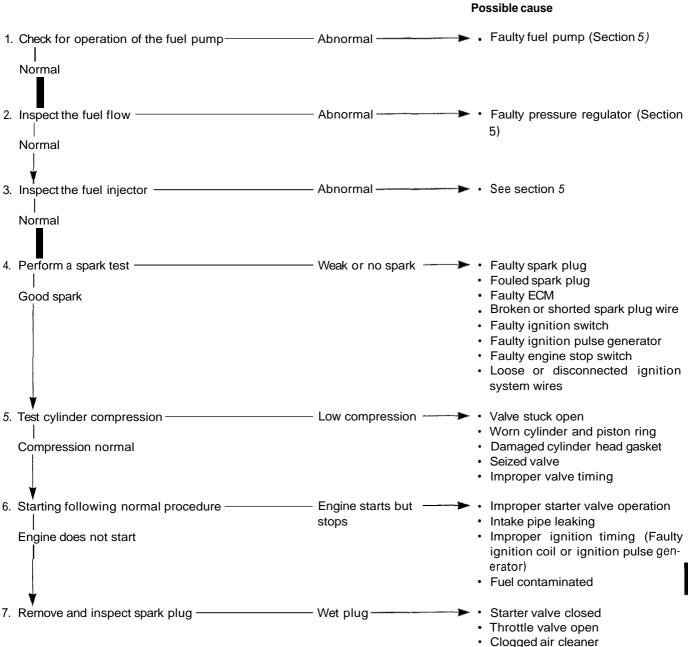
21. TROUBLESHOOTING

ENGINE DOES NOT START OR IS HARD TO START	21-1	POOR PERFORMANCE AT HIGH SPEED	21-4
ENGINE LACKS POWER	21-2	POOR HANDLING	21-4
POOR PERFORMANCE AT LOW AND IDLE SPEED	21-3		

ENGINE DOES NOT START OR IS HARD TO START



ENGINE LACKS POWER

Possible cause Raise wheel off the ground and spin by ——Wheels do not spin —— • Brake dragging freely · Worn or damaged wheel bearing Wheel spins freely Check tire pressure — Pressure low — • Faulty tire valve Punctured tire Pressure normal Accelerate rapidly from low to second Engine speed does -Clutch slipping not change accord- Worn clutch discs/plates ingly when clutch is Warped clutch discs/plates Engine speed reduced when clutch is released released Weak clutch spring · Additive in engine oil Accelerate lightly — Engine speed does — • Air cleaner dirty not increase Restricted fuel flow Clogged muffler Engine speed increase Pinched fuel tank breather Check ignition timing — Incorrect — → • Faulty ECM Faulty ignition pulse generator Correct Test cylinder compression — Incorrect — Valve stuck open · Worn cylinder and piston rings Leaking head gasket Normal Improper valve timing Inspect fuel flow — Abnormal — Faulty pressure regulator (Section 5) Normal Inspect the fuel injector — Abnormal — • See section 5 Normal Remove spark plugs — Fouled or discolored — Faulty spark plug Not fouled or discolored 10. Check oil level and condition — Incorrect — Oil level too high

Oil level too low

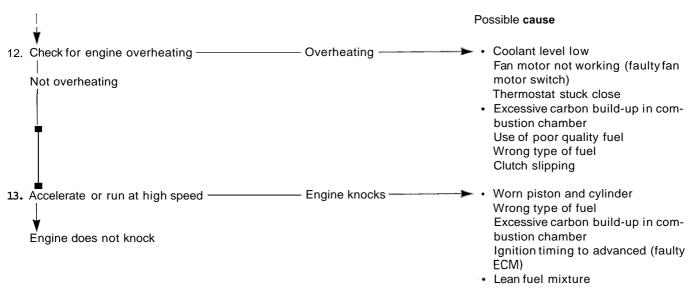
Contaminated oil

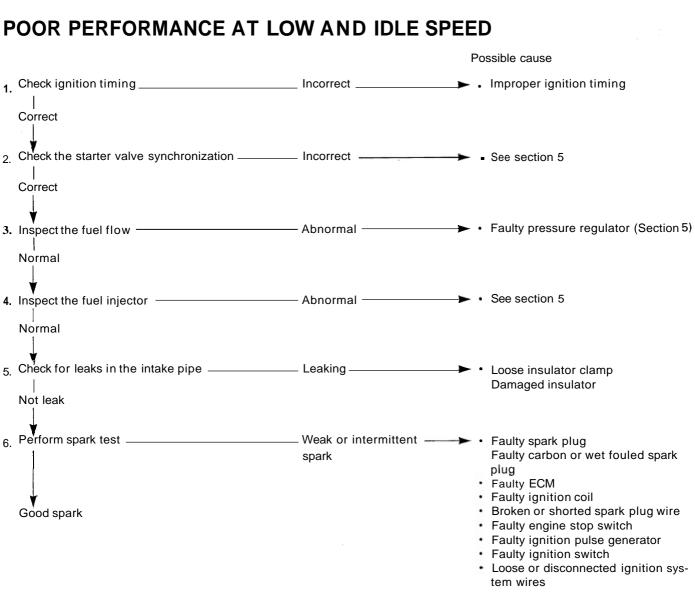
Clogged oil passage

· Clogged oil control orifice lubrication cated properly Valve train lubricated properly

11. Remove cylinder head cover and inspect ——— Valve train not lubri-

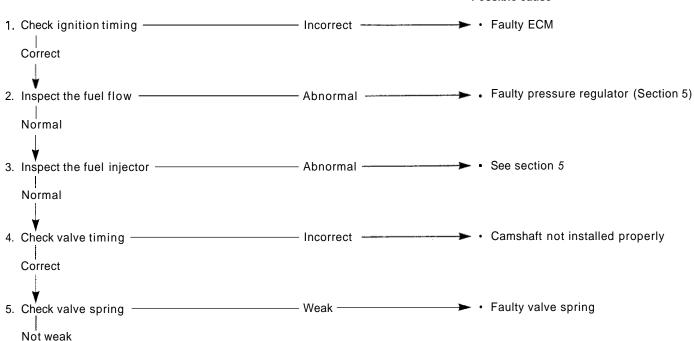
Correct





POOR PERFORMANCE AT HIGH SPEED

Possible cause



POOR HANDLING

1. If steering is heavy • Steering stem adjusting nut too tight Damaged steering head bearings 2. If either wheel is wobbling Excessive wheel bearing play Bent rim · Improper installed wheel hub · Swingarm pivot bearing excessively worn

- Faulty shock absorber 3. If the motorcycle pulled to one side ——— · Front and rear wheel not aligned

 - Bent fork

· Bent frame

Possible cause

- · Bent swingarm
- Bent axle