

Ignition Troubleshooting

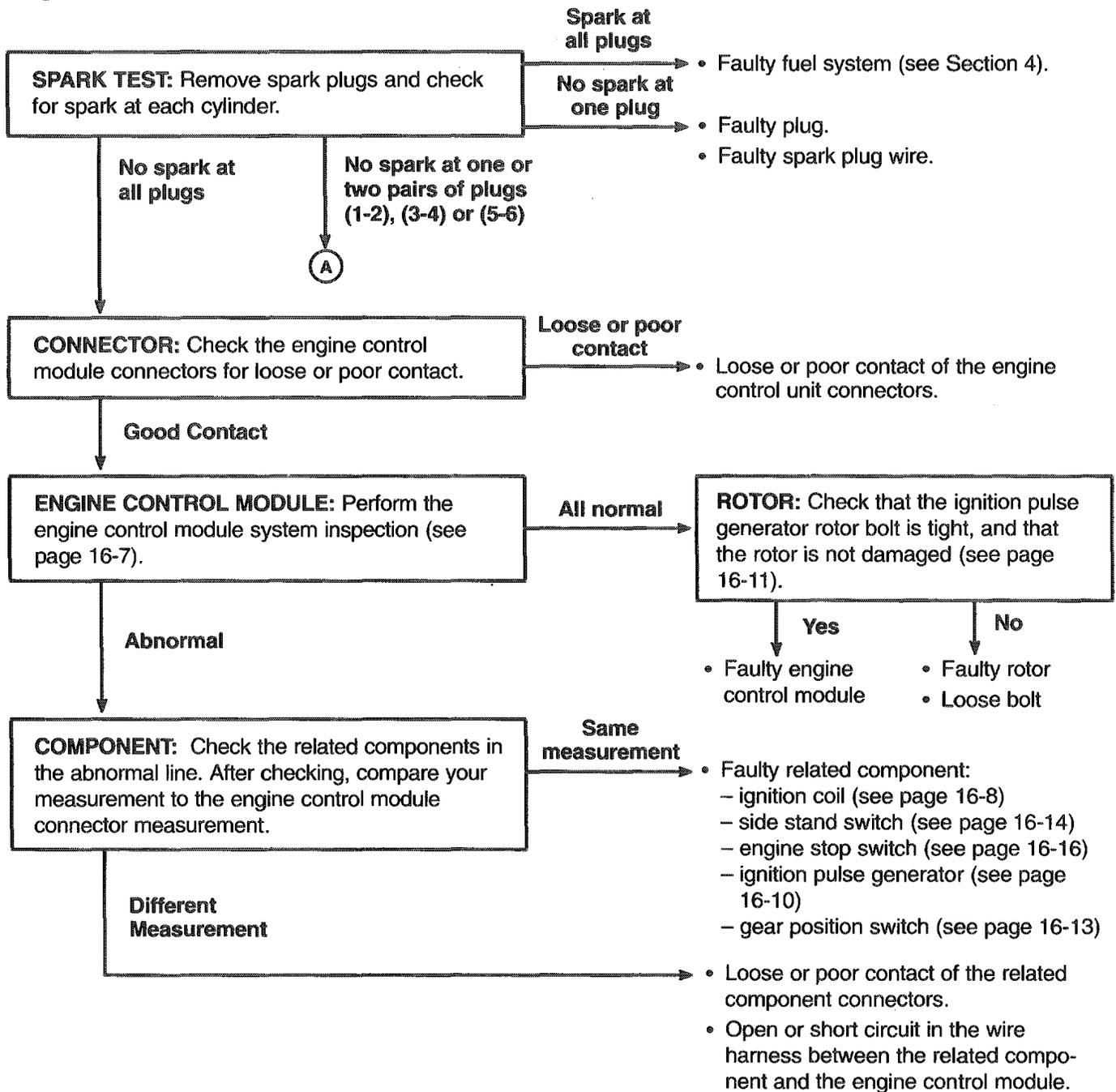
WARNING

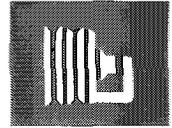
- When performing a spark test, keep open flames or sparks away from the work area.

NOTE

- Before beginning, be sure that the battery is fully charged.
- Each park of spark plugs (1-2, 3-4, 5-6) has its own ignition circuit.

Engine does not start or is hard to start.





Engine Control Module

System Inspection

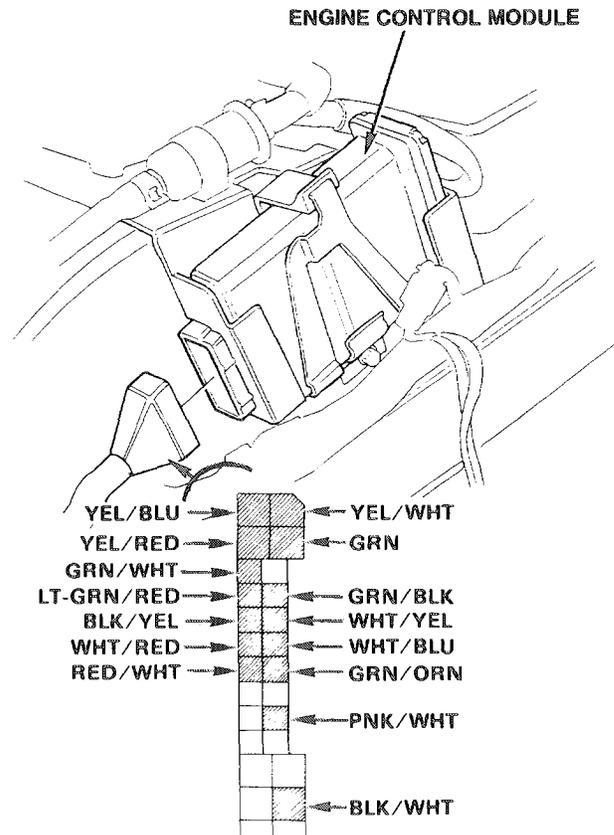
Remove the right fairing inner cover (see page 13-12).

Disconnect the engine control module connector and check it for loose contact or corroded terminals.

Measure the following between the connectors terminals on the wire harness side:

NOTE

- For intake air temperature sensor inspection, see page 4-52).



ITEM	TERMINALS	SPECIFICATION
Ignition coil (primary, 5-6) (primary, 3-4) (primary, 1-2)	YEL/RED and BLK/WHT YEL/BLU and BLK/WHT YEL/WHT and BLK/WHT	2.6-3.2 Ohms (20°C/68°F)
Ground line	GRN and body ground	CONTINUITY
Battery voltage input	BLK/WHT (+) and ground (-) with the ignition switch ON and engine stop switch RUN.	Battery voltage should register
Ignition pulse (PC 1) Generator coil (PC 2)	WHT/YEL and GRN/BLK WHT/BLU and GRN/BLK	400-500 Ohms (20°C/60°F)
Side stand switch	GRN/WHT and ground	CONTINUITY with the side stand up NO CONTINUITY with the side stand down
Gear position (Neutral) switch (Second gear) (Third gear) (Fourth gear) (Overdrive)	LT GRN/RED and ground BLK/YEL and ground WHT/RED and ground RED/WHT and ground GRN/ORN and ground	CONTINUITY
Engine coolant temperature sensor	PNK/WHT and GRN/BLK	2.0-3.0 k ohms (20°C/68°F) 200-400 ohms (80°C/176°F)