

# Troubleshooting

## POOR PERFORMANCE AT LOW AND IDLE SPEED

### CHECK

1. Check the spark plug condition (P.63)

INCORRECT

### POSSIBLE CAUSES

- Incorrect spark plug heat range
- Incorrect spark plug gap
- Plug not serviced frequently enough

CORRECT

2. Check the ignition timing\*

INCORRECT

- Faulty ECM\*
- Faulty CKP sensor\*

CORRECT

3. Check the PGM-FI system (P.7)

INCORRECT

- Faulty PGM-FI system (P.9)

CORRECT

4. Check the fuel pump operation and inspect the fuel flow\*

INCORRECT

- Faulty fuel pump unit\*
- Clogged fuel pump filter (P.44)

CORRECT

5. Check the insulator for leaks

INCORRECT

- Loose insulator
- Damaged insulator

CORRECT

6. Try spark test\*

WEAK OR INTERMITTENT SPARK

- Faulty, carbon or wet fouled spark plug (P.67)
- Faulty ECM\*
- Faulty alternator\*
- Faulty ignition coil\*
- Broken or shorted spark plug wire.
- Faulty CKP sensor\*
- Loose or disconnected ignition system wires
- Faulty engine stop button\*
- Faulty regulator/rectifier\*
- Faulty condenser\*

## POOR PERFORMANCE AT HIGH SPEED

### CHECK

1. Check the ignition timing\*

INCORRECT

### POSSIBLE CAUSES

- Faulty ECM\*
- Faulty CKP sensor\*

CORRECT

2. Remove the air cleaner (P.52)

DIRTY

- Not cleaned frequently enough

AIR CLEANER NOT DIRTY

3. Check the PGM-FI system (P.7)

INCORRECT

- Faulty PGM-FI system (P.9)

CORRECT

4. Check the fuel pump operation and inspect the fuel flow\*

INCORRECT

- Faulty fuel pump unit\*
- Clogged fuel pump filter (P.44)

CORRECT

5. Check the valve timing

INCORRECT

- Camshaft not installed properly (P.73)

CORRECT

6. Try spark test\*

GOOD SPARK

WEAK OR INTERMITTENT SPARK

- Faulty, carbon or wet fouled spark plug (P.67)
- Faulty ECM\*
- Faulty alternator\*
- Faulty ignition coil\*
- Broken or shorted spark plug wire.
- Faulty CKP sensor\*
- Loose or disconnected ignition system wires
- Faulty engine stop button\*
- Faulty regulator/rectifier\*
- Faulty condenser\*

7. Check the valve springs\*

WEAR

- Faulty valve springs\*

GOOD

8. Remove and inspect the cam lobe height\*

WORN

- Faulty camshaft\*

CORRECT

## POOR HANDLING

Steering is heavy

- Steering stem adjusting nut too tight\*
- Damaged steering head bearings
- Faulty HPSD\*

Either wheel is wobbling

- Excessive wheel bearing play
- Bent rim
- Improperly installed wheel hub
- Excessively worn swingarm pivot bearings
- Bent frame

The motorcycle pulls to one side

- Front and rear wheels not aligned
- Bent fork
- Bent swingarm
- Bent axle shaft
- Bent frame