

### POOR PERFORMANCE AT HIGH SPEED

#### 1. Ignition Timing Inspection

Check the ignition timing.

*Is the ignition timing as specified?*

- NO** –
- Faulty engine control module (ECM)
  - Faulty ignition pulse generator
  - Faulty cam pulse generator
  - Faulty vehicle speed sensor
  - Improper valve timing

**YES** – GO TO STEP 2.

#### 2. Fuel Pump Inspection

Inspect the fuel flow.

*Is the fuel pump unit operation normal?*

**NO** – Faulty fuel pump unit (page 6-33).

**YES** – GO TO STEP 3.

#### 3. Programmed Fuel Injection System Inspection

Check the fuel injection system.

*Is the fuel injection system normally?*

**NO** – Faulty fuel injection system (page 6-54, 6-43).

**YES** – GO TO STEP 4.

#### 4. Valve Timing Inspection

Check the valve timing.

*Is the valve timing correct?*

**NO** – Camshafts not installed properly

**YES** – GO TO STEP 5.

#### 5. Valve Spring Inspection

Check for the valve springs.

*Is the valve spring free length as specified?*

**NO** – Faulty valve springs

**YES** – Not weak

### POOR HANDLING

#### Steering is heavy

- Faulty steering damper (HESD)
- Steering stem adjusting nut too tight
- Damaged steering head bearings
- Insufficient tire pressure

#### Either wheel is wobbling

- Excessive wheel bearing play
- Bent rim
- Swingarm pivot bearing excessively worn
- Bent frame

#### The motorcycle pulls to one side

- Front and rear wheel not aligned
- Faulty shock absorber
- Bent fork
- Bent swingarm
- Bent axle
- Bent frame