

17. IGNITION SYSTEM

SYSTEM DIAGRAM	17-0	IGNITION COIL	17-7
SERVICE INFORMATION	17-1	IGNITION PULSE GENERATOR	17-7
TROUBLESHOOTING	17-3	IGNITION TIMING	17-10
IGNITION SYSTEM INSPECTION	17-4	ECM (ENGINE CONTROL MODULE)	17-11

SERVICE INFORMATION

GENERAL

- Some electrical components may be damaged if terminals or connectors are connected or disconnected while the ignition switch is ON and current is present.
- When servicing the ignition system, always follow the steps in the troubleshooting sequence on page 17-3.
- This motorcycle's Ignition Control Module (ICM) is built into the Engine Control Module (ECM).
- The ignition timing does not normally need to be adjusted since the ECM is factory preset.
- The ECM may be damaged if dropped. Also if the connector is disconnected when current is flowing, the excessive voltage may damage the module. Always turn off the ignition switch before servicing.
- A faulty ignition system is often related to poor connections. Check those connections before proceeding. Make sure the battery is adequately charged. Using the starter motor with a weak battery results in a slower engine cranking speed as well as no spark at the spark plug.
- Use spark plug of the correct heat range. Using spark plug with an incorrect heat range can damage the engine.
- Refer to section 5 for Throttle Position (TP) sensor, cam pulse generator and ECM inspection.

SPECIFICATIONS

ITEM		SPECIFICATIONS
Spark plug (Iridium)	NGK	CR8EH-9 (Standard) / CR9EH-9 (For extended high speed running)
	DENSO	U24FER9 (Standard) / U27FER9 (For extended high speed running)
Spark plug gap		0.80 – 0.90 mm (0.031 – 0.035 in)
Ignition coil peak voltage		100 V minimum
Ignition pulse generator peak voltage		0.7 V minimum
Ignition timing ("F" mark)		8° BTDC at idle