

SERVICE INFORMATION

GENERAL

NOTICE

- 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.
- Use spark plug of the correct heat range. Using spark plug with an incorrect heat range can damage the engine.
- 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 (page 18-4).
- 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.
- 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.
- This motorcycle features direct ignition coils, where the ignition coil and spark plug cap are integrated. There are four direct ignition coils.
- This motorcycle's spark plug is equipped with iridium type electrode. Do not use spark plugs other than specified.
- Refer to the CMP (camshaft position) sensor inspection (page 6-66) and ECM inspection (page 6-69).

SPECIFICATIONS

ITEM	SPECIFICATIONS
Spark plug (Iridium)	NGK IMR9C-9HES
	DENSO VUH27ES
Spark plug gap	0.80 – 0.90 mm (0.031 – 0.035 in)
Ignition coil peak voltage	100 V minimum
CKP (crankshaft position) sensor peak voltage	0.7 V minimum
Ignition timing ("F" mark)	8°12' BTDC at idle

TORQUE VALUES

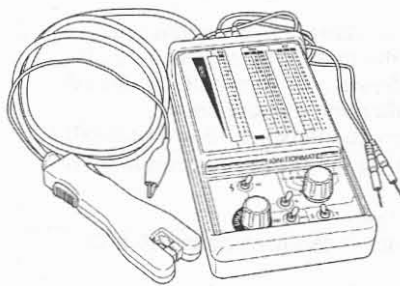
Timing hole cap

18 N·m (1.8 kgf·m, 13 lbf·ft)

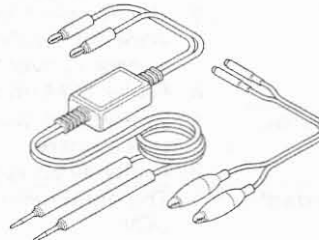
Apply grease to the threads

TOOLS

IgnitionMate peak voltage tester
MTP07-0286 (U.S.A. only)

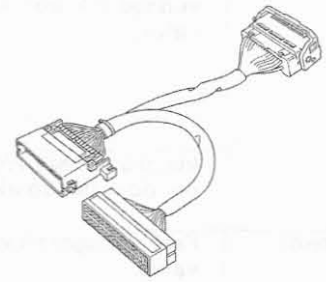


Peak voltage adaptor
07HGJ-0020100
(not available in U.S.A.)



with commercially available digital
multimeter (impedance 10 MΩ/DCV
minimum)

ECM test harness, 32P
070MZ-0010201



(two required)