

# **9. A.C. GENERATOR**

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## **A.C. GENERATOR**

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### **SERVICE INFORMATION**

#### **GENERAL INSTRUCTIONS**

- All A.C. generator maintenance and inspection can be made with the engine installed.
- Refer to Section 15 for A.C. generator inspection.

#### **TORQUE VALUE**

Flywheel nut : 34.3\_ 39.2N-m

#### **SPECIAL TOOLS**

Flywheel puller  
Universal holder

## 9. A.C. GENERATOR

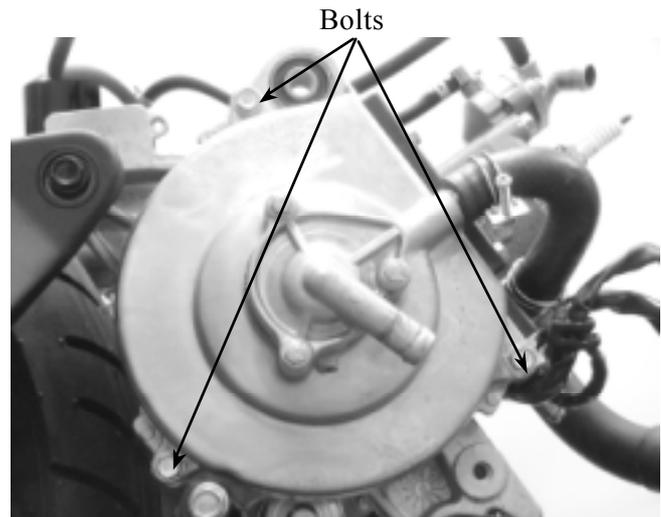
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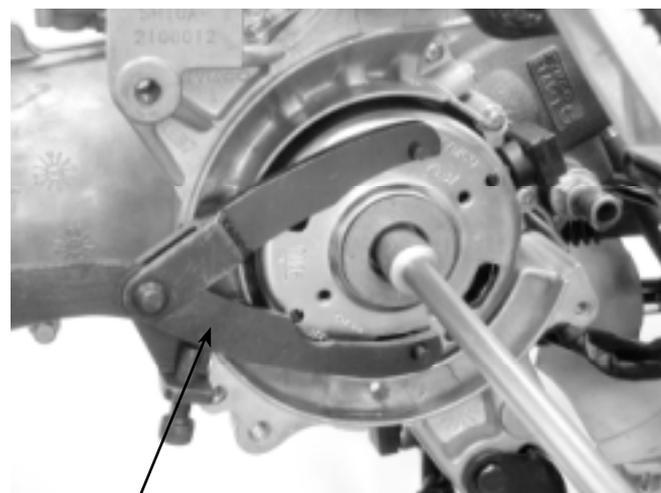
### A.C. GENERATOR REMOVAL

Disconnect the water hoses from the right crankcase cover.

Remove the three bolts attaching the right crankcase cover and the cover.



Hold the flywheel with an universal holder and then remove the flywheel nut.



Universal Holder

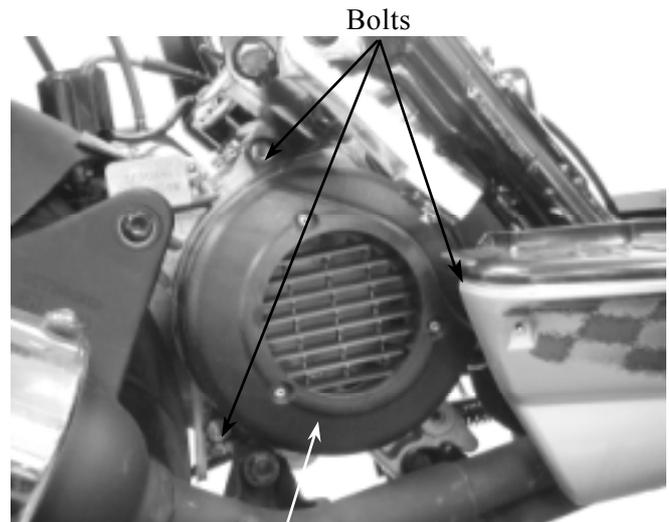
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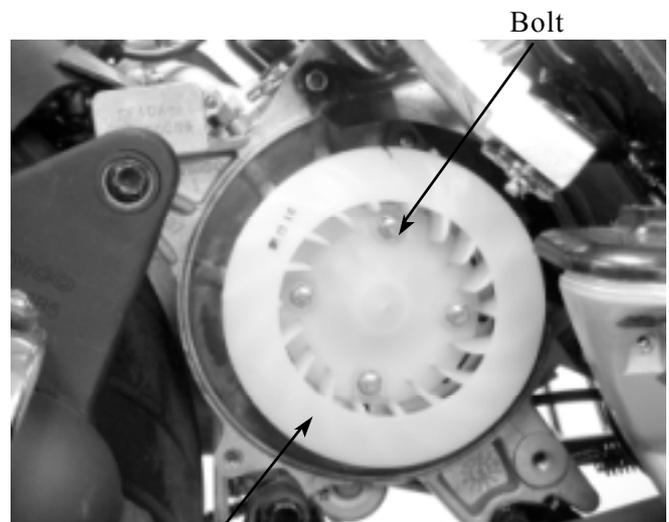
### A.C. GENERATOR REMOVAL

Remove the three bolts attaching the fan cover to remove the fan cover.



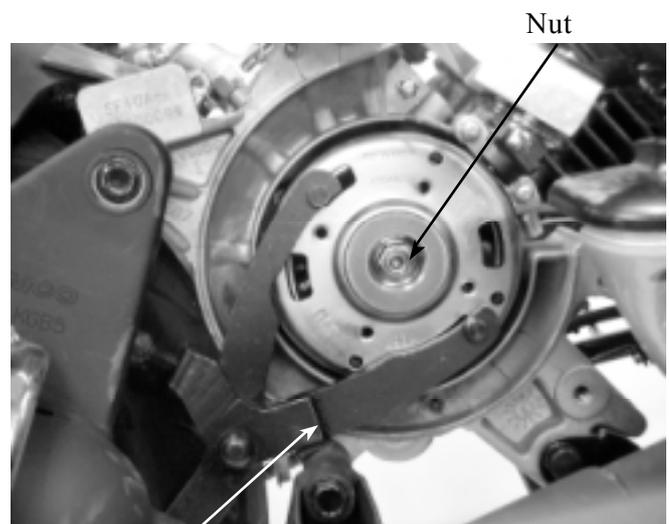
Fan Cover

Remove the cooling fan by removing the four bolts.



Cooling Fan

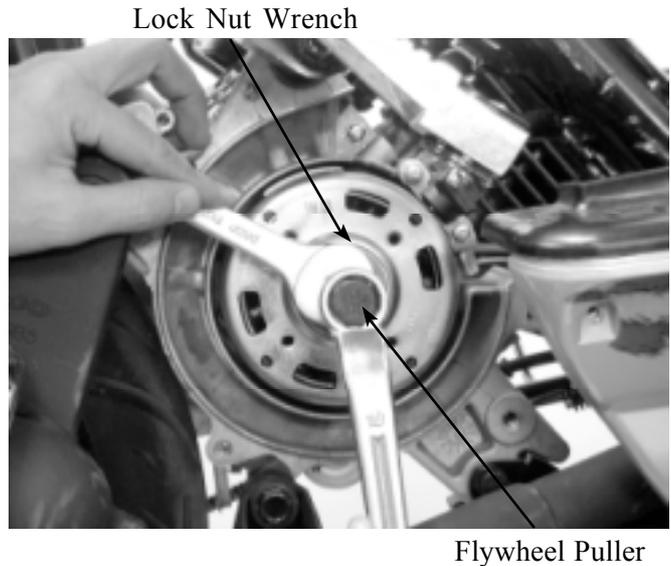
Hold the flywheel with an universal holder and then remove the flywheel nut.



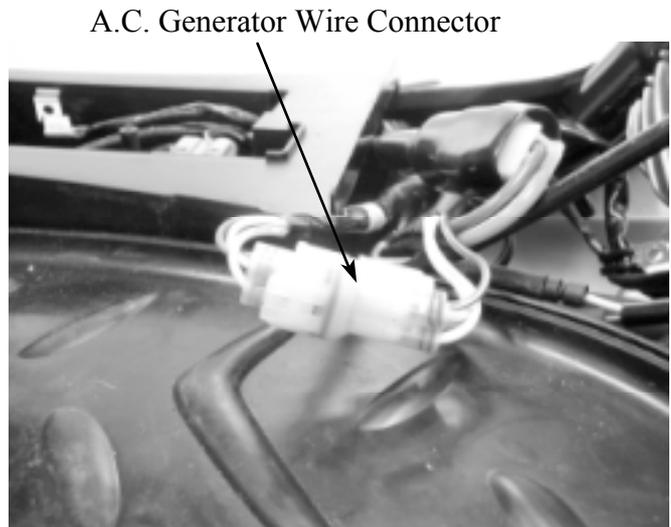
Universal Holder

## 9. A.C. GENERATOR

Remove the A.C. generator flywheel using the flywheel puller.

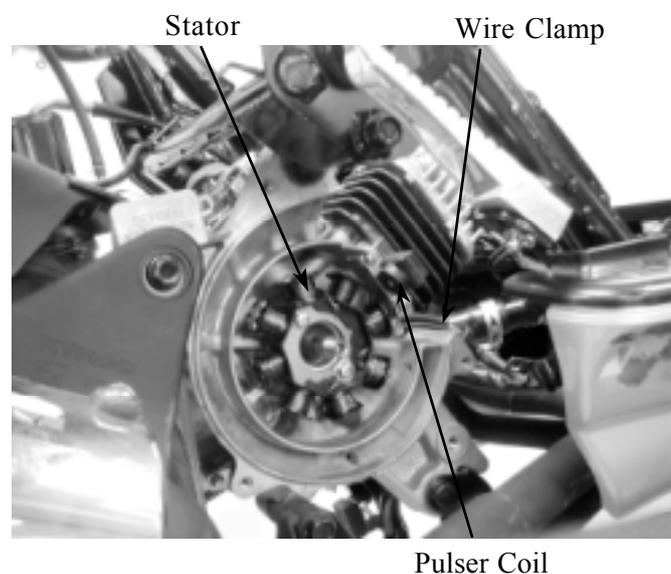


Remove the A.C. generator wire connector.



Remove the two pulser coil bolts and pulser coil from the right crankcase.  
Remove the pulser coil wire clamp from the right crankcase.  
Remove the two bolts attaching the A.C. generator stator.

\* Be careful not to damage the disconnected wire.



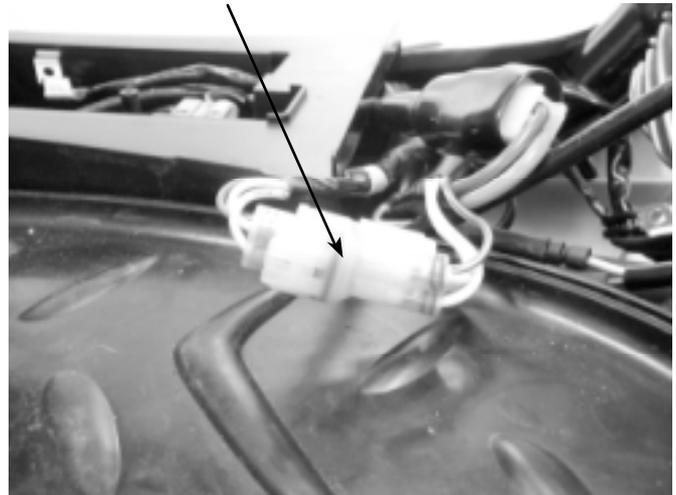
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### A.C. GENERATOR INSTALLATION

Install the A.C. generator stator and pulser coil wire clamp onto the right crankcase, and then install the pulser coil.

Connect the A.C. generator wire connector.

A.C. Generator Wire Connector



Clean the taper hole in the flywheel off any burrs and dirt.  
Install the woodruff key in the crankshaft keyway.

Woodruff Key



Install the flywheel onto the crankshaft with the flywheel groove aligned with the crankshaft woodruff key.  
Hold the flywheel with the universal holder and install the flywheel flange nut.

**Torque:** 34.3\_ 39.2N-m

Start the engine and check the ignition timing. (⇒3-7)

Install other removed parts in the reserve order of removal.

Universal Holder

