

# 9. ALTERNATOR

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## SERVICE INFORMATION

### GENERAL

- This section covers removal and installation of the alternator and pulse generator. These operations can be accomplished with the engine in the frame.
- Refer to Sections 14 and 15 for alternator and pulse generator inspection.

### TORQUE VALUES

Flywheel bolt	110–130 N·m (11.0–13.0 kg-m, 80–94 ft-lb)
Gearshift pedal arm bolt	10–14 N·m (1.0–1.4 kg-m, 7–10 ft-lb)

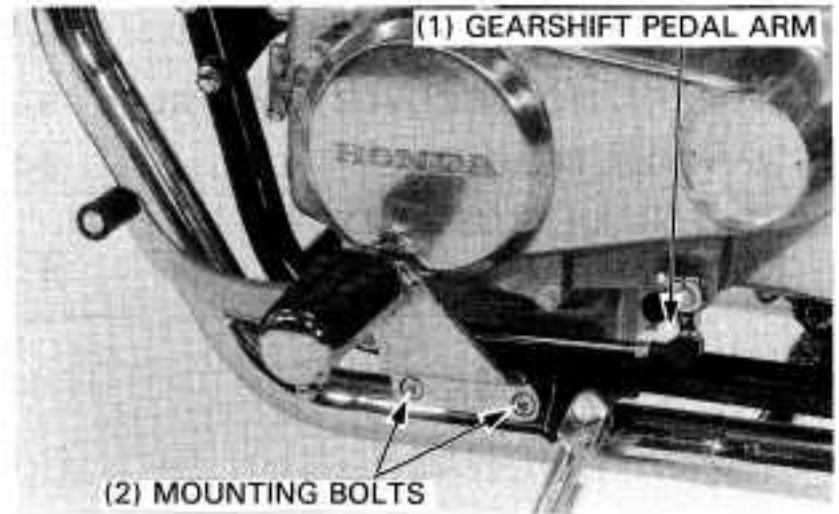
### TOOLS

<b>Common</b>	
Universal holder	07725–0030000 Equivalent commercially available in U.S.A.
Rotor puller	07733–0020001 or 07933–3950000

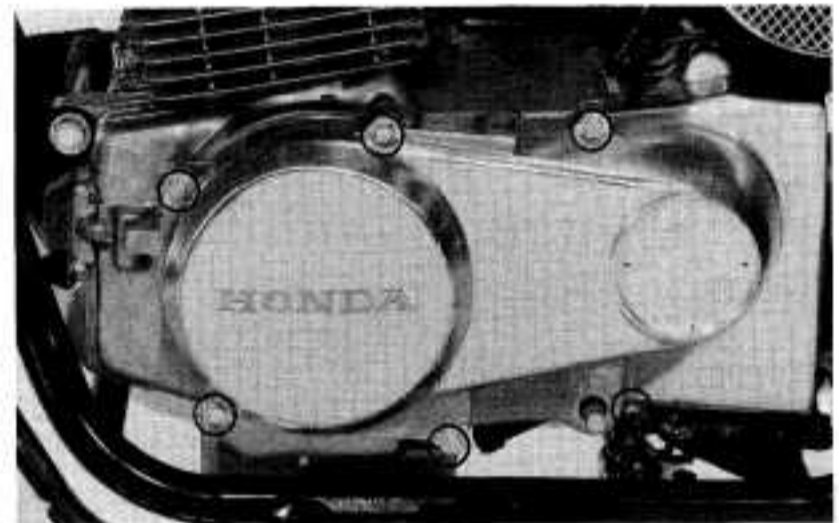
## ALTERNATOR

### LEFT CRANKCASE COVER REMOVAL

Remove the gearshift pedal arm.  
Remove the footpeg mounting bolts and the footpeg.



Remove the left crankcase cover.

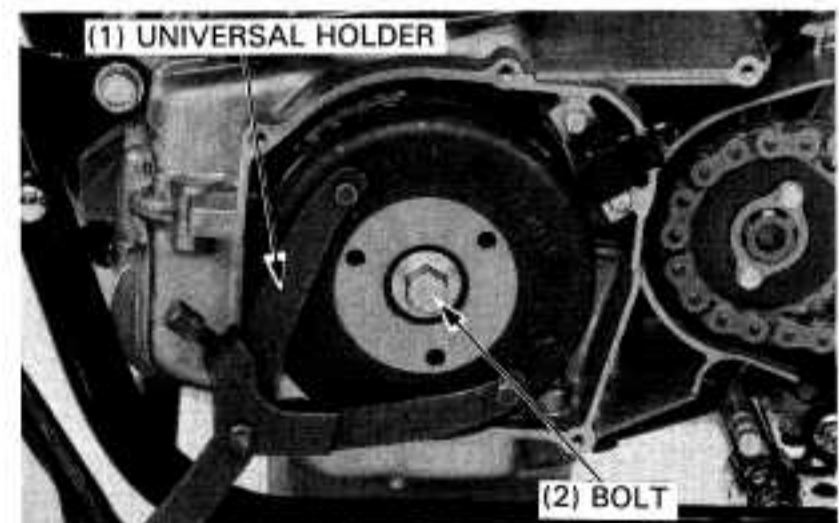


### FLYWHEEL REMOVAL

Hold the flywheel with a universal holder and remove the flywheel bolt.

**TOOL:**  
Universal holder

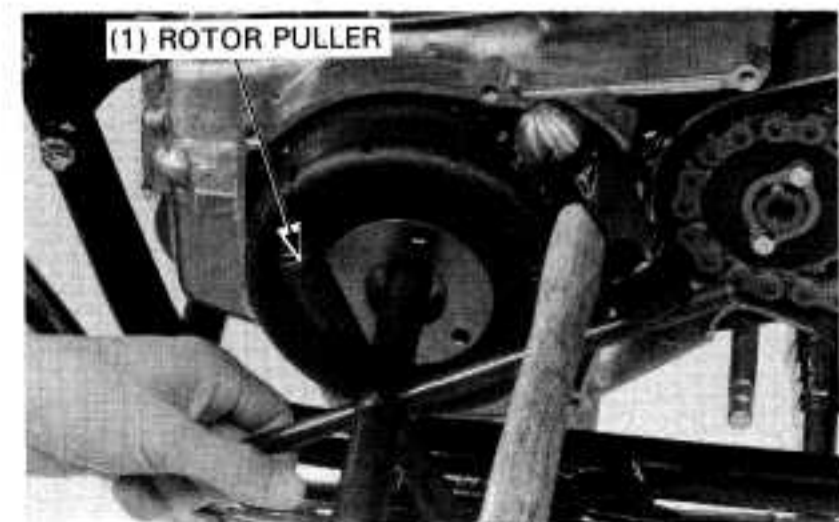
07725-0030000  
Equivalent commercially  
available in U.S.A.



Remove the flywheel using a rotor puller.

**TOOL:**  
Rotor puller

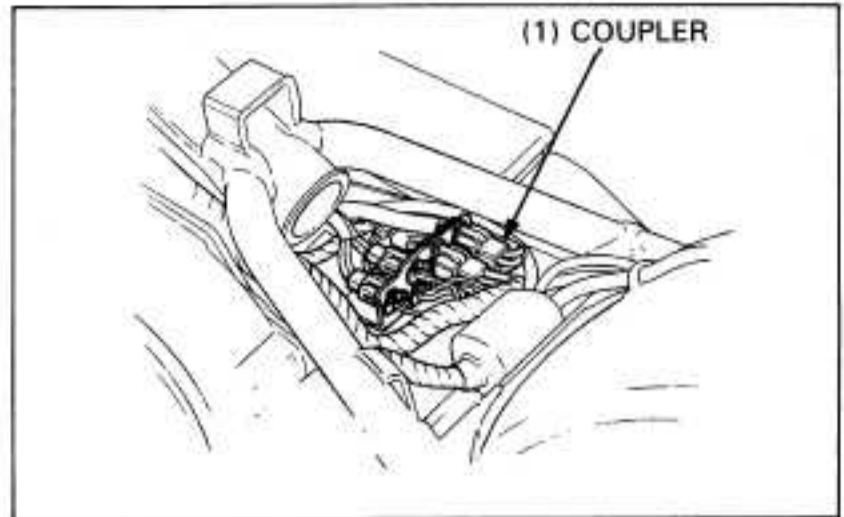
07733-0020001 or  
07933-3950000



Remove the woodruff key from the crankshaft.

## STATOR/PULSE GENERATOR REPLACEMENT

Disconnect the stator and pulse generator wire couplers and connector.



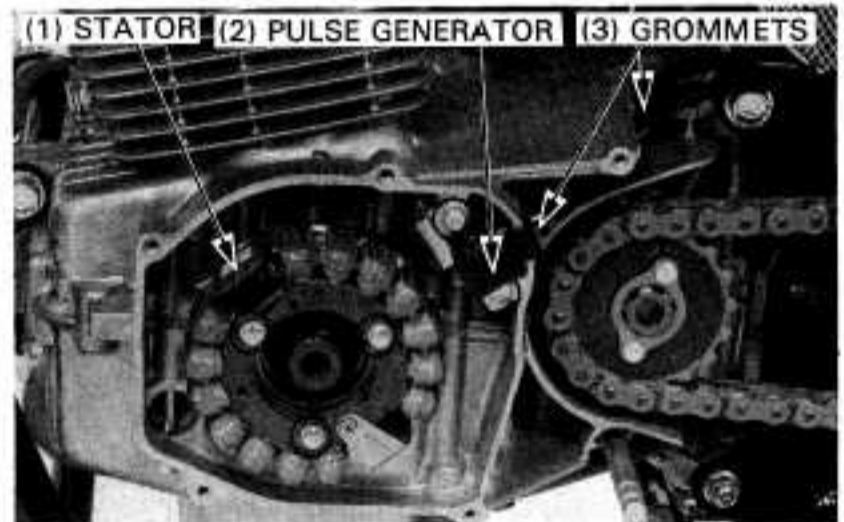
Remove the following:

- pulse generator attaching bolts and the pulse generator.
- stator attaching bolts and the stator.

Install the stator and pulse generator in the reverse order of removal.

### NOTE

- Install the stator and pulse generator wire grommets securely into the left crankcase grooves.



## FLYWHEEL INSTALLATION

Install the woodruff key into the keyway in the crankshaft. Clean the tapered hole in the flywheel of any burrs and other faults; repair if necessary. Install the flywheel by aligning the keyway in the flywheel with the key on the crankshaft.

### NOTE

- Check for debris inside the flywheel before installation. The magnets tend to attract steel filings and other ferrous debris.

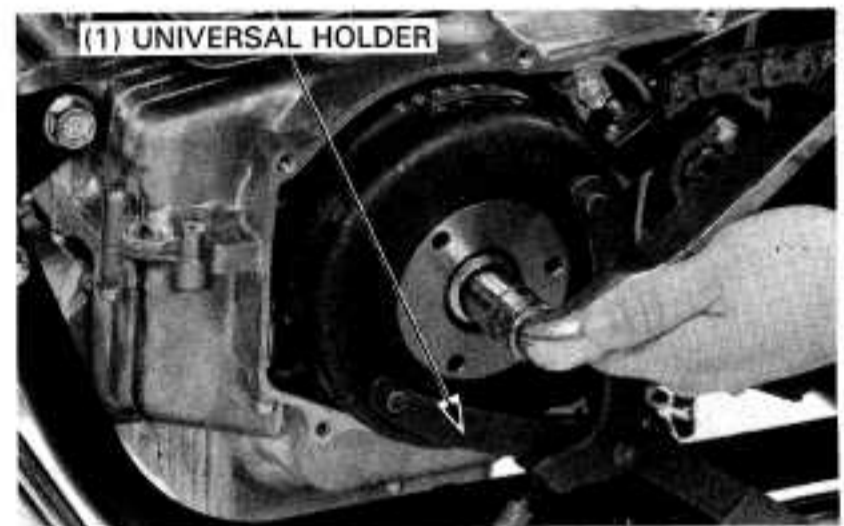
Hold the flywheel with the universal holder and tighten the flywheel bolt.

**TORQUE:** 110–130 N·m (11.0–13.0 kg·m, 80–94 ft·lb)

### TOOL:

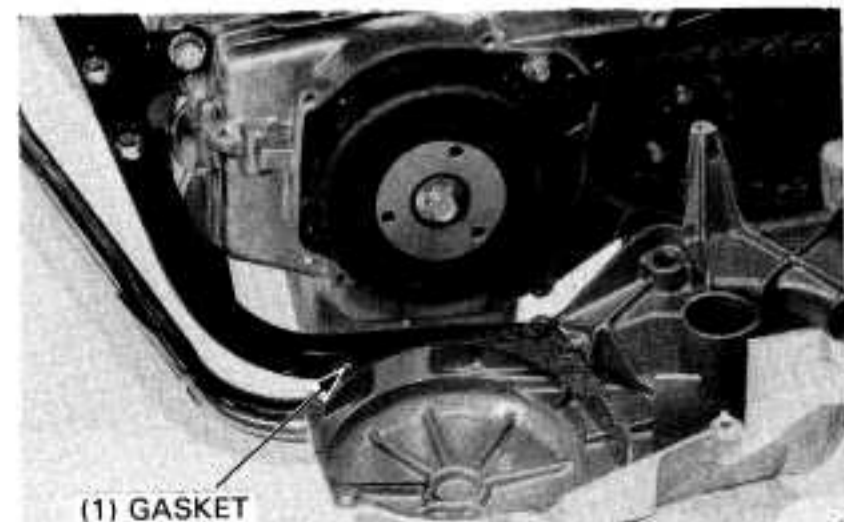
Universal holder

07725–0030000  
Equivalent commercially  
available in U.S.A.



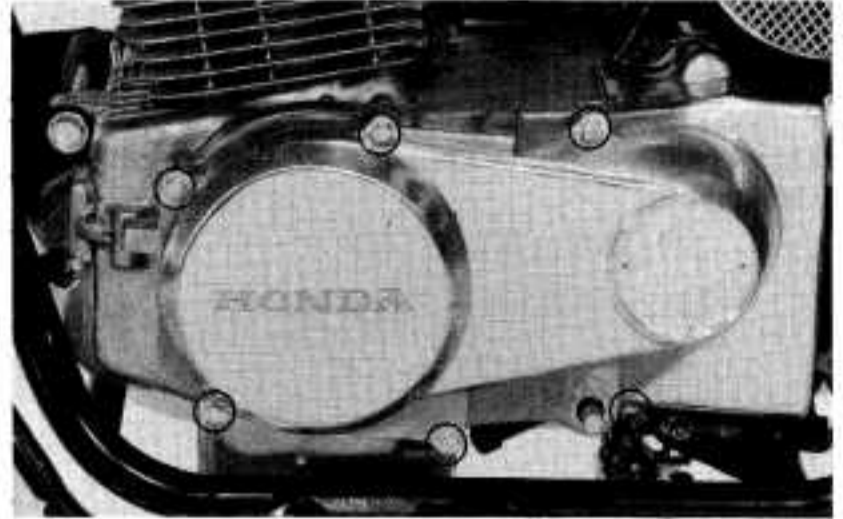
## LEFT CRANKCASE COVER INSTALLATION

Install the gasket on the left crankcase cover and install the left crankcase cover.



## ALTERNATOR

Install and tighten the left crankcase cover bolts.



Install the footpeg and tighten the mounting bolts.

Install the gearshift pedal arm and tighten the bolt.

**TORQUE: 10–14 N·m (1.0–1.4 kg-m, 7–10 ft-lb)**

Check the ignition timing (page 15-4).

