



8. ALTERNATOR

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SERVICE INFORMATION

GENERAL

- This section covers removal and installation of the alternator.
- Refer to Section 17 for troubleshooting and inspection of the alternator.

TORQUE VALUE

Alternator rotor/Flywheel bolt 80–100 N·m (8.0–10.0 kg-m, 58–72 ft-lb)

8

TOOLS

Special

Rotor puller 07933–4250000

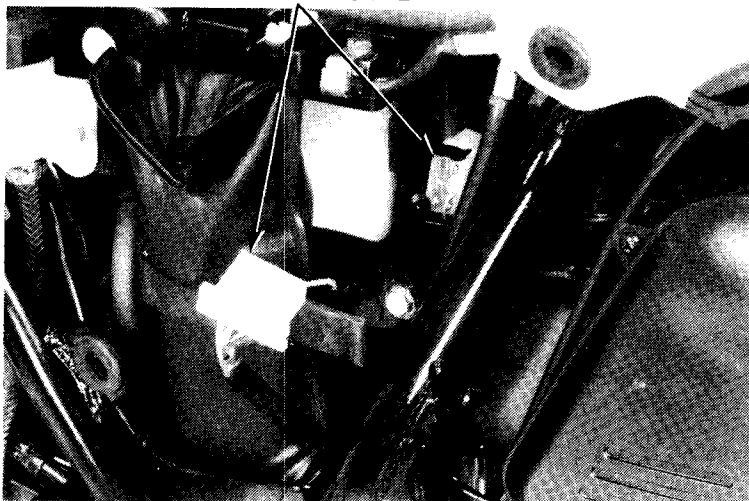


ALTERNATOR

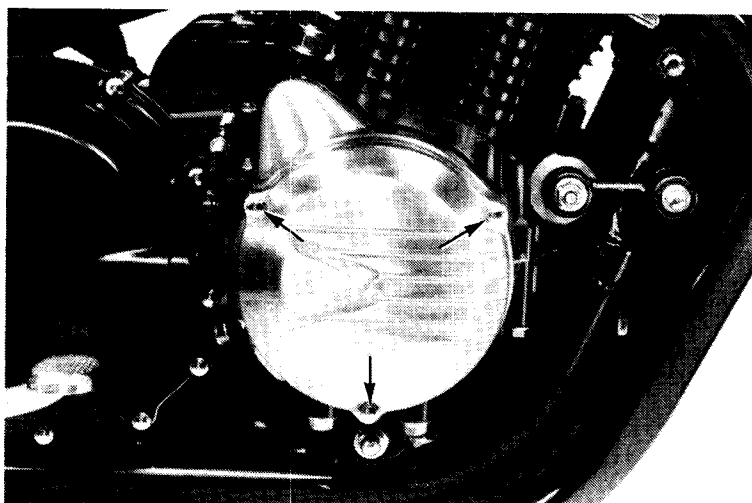
REMOVAL

Remove the right side cover and disconnect the alternator coupler.

ALTERNATOR COUPLER

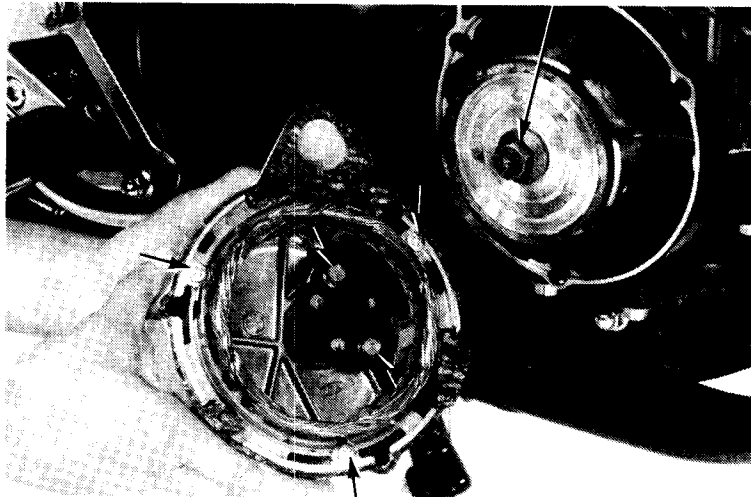


Remove the alternator cover by loosening the three bolts.



Remove the stator with the brush holder by loosening the screws and bolts.
Shift the transmission into high gear and apply the rear brake.
Remove the rotor bolt.

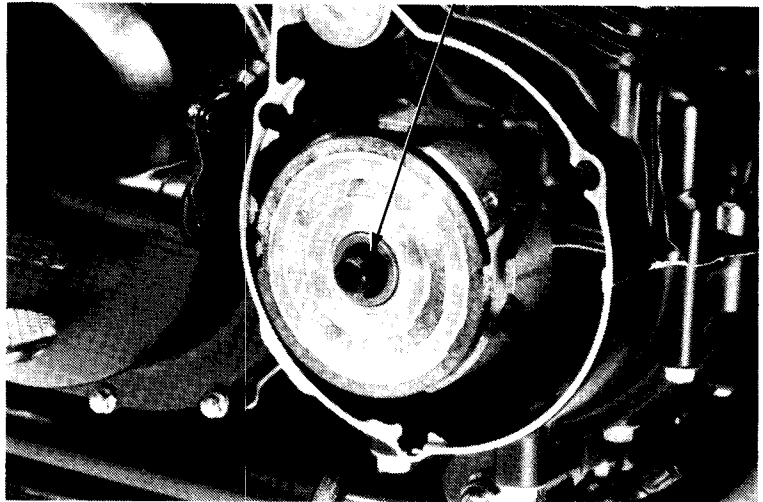
ROTOR BOLT





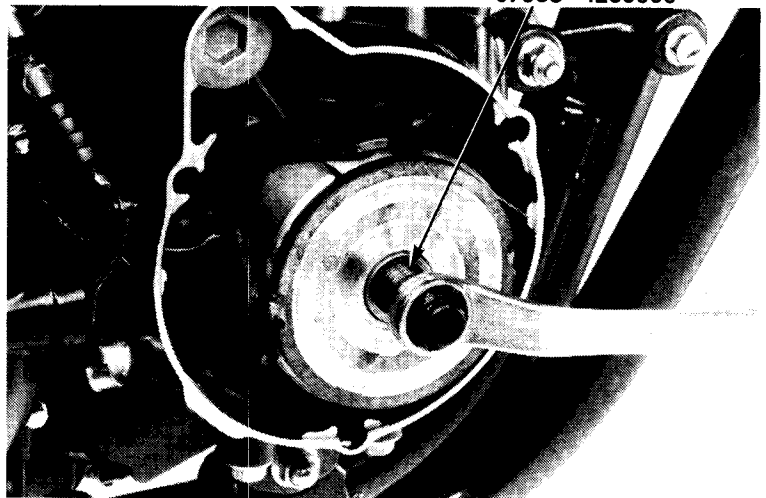
Screw the rotor puller inner bolt into the crankshaft.

ROTOR PULLER INNER BOLT
07933-4250000



Screw the rotor puller into the threads of the rotor. Tighten the rotor while applying the rear brake; Tap on the end of the puller with a brass hammer and then tighten the puller. Repeat tapping and tightening until rotor is removed.

ROTOR PULLER
07933-4250000



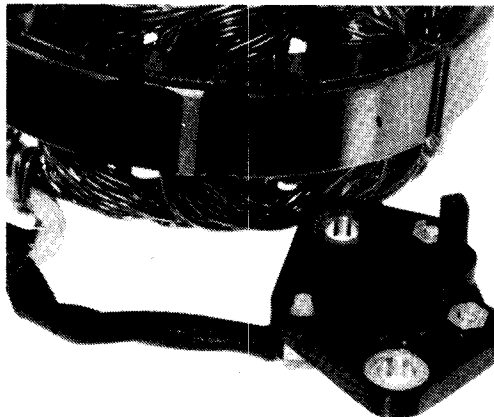
NOTE

Hold the rotor when tapping the puller to keep the rotor from falling off.

INSPECTION

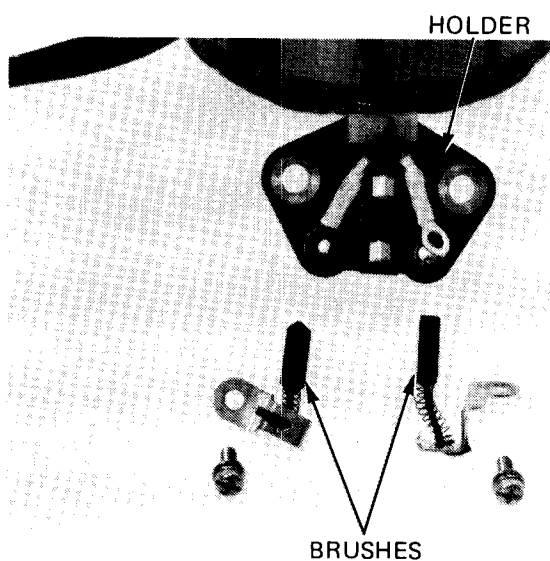
Inspect the length of each brush as shown. If it shows wear to the scribed service limit line, replace the brush.

SERVICE LIMIT: Scribed line





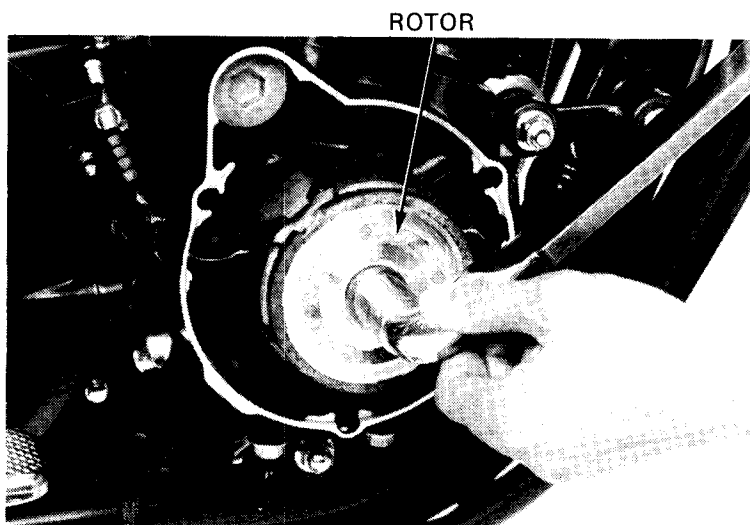
Remove and replace the brushes by removing the mounting screws.



INSTALLATION

Install the rotor and tighten the rotor bolt.

TORQUE: 80–100 N·m
(8.0–10.0 kg-m, 58–72 ft-lb)



Install the stator and a new gasket on the alternator cover.

Install the alternator cover and tighten the bolts securely.

Route the alternator leads properly (page 1-9).

