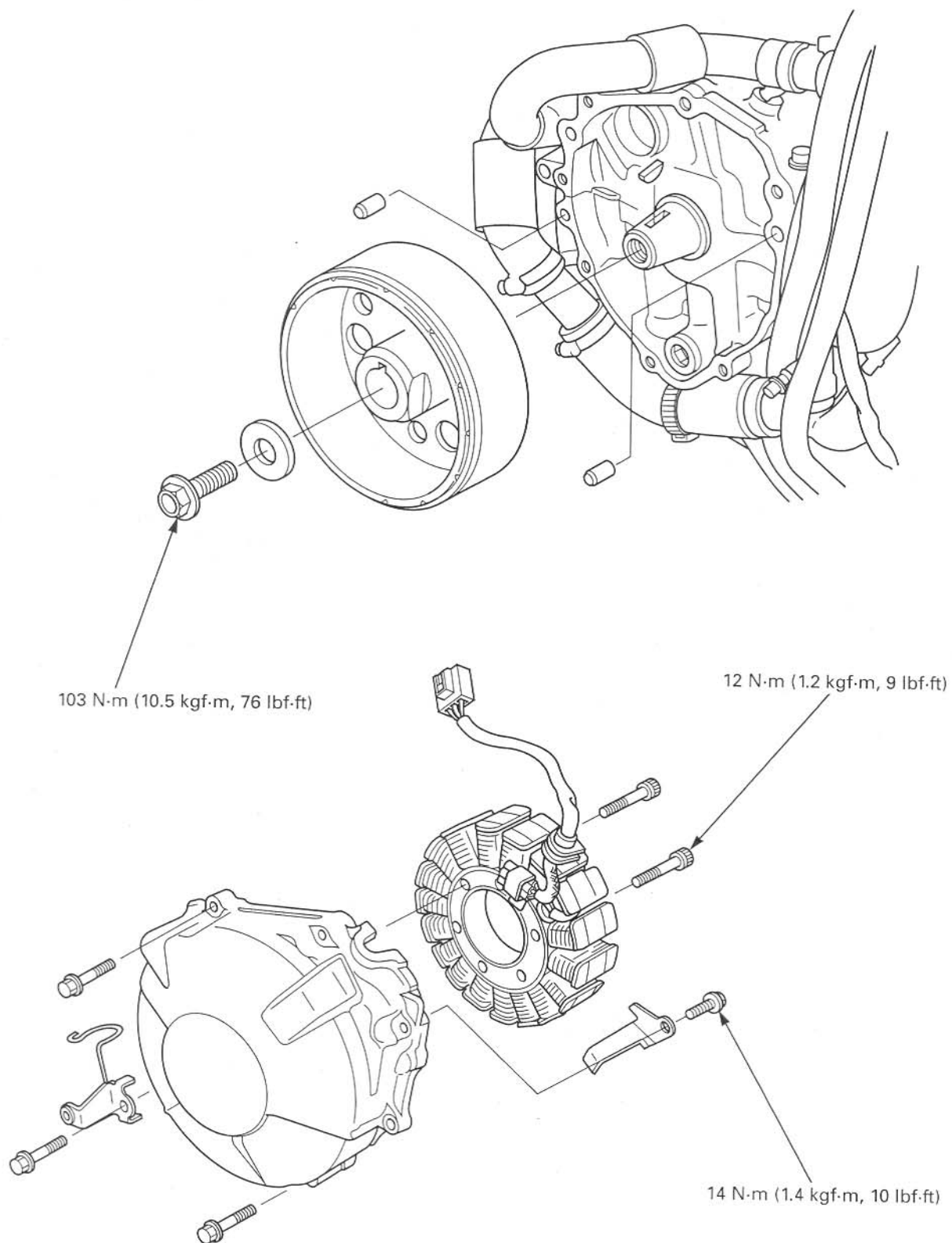


11. ALTERNATOR

COMPONENT LOCATION	11-2	STATOR	11-4
SERVICE INFORMATION	11-3	FLYWHEEL	11-5
ALTERNATOR COVER REMOVAL	11-4	ALTERNATOR COVER INSTALLATION	11-7

ALTERNATOR

COMPONENT LOCATION



SERVICE INFORMATION

GENERAL

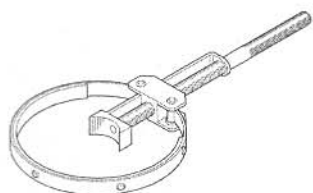
- This section covers service of the alternator stator and flywheel. All service can be done with the engine installed in the frame.
- Refer to procedures for alternator stator inspection (page 17-9).
- Refer to procedures for starter motor servicing (page 19-6).

TORQUE VALUES

Alternator stator socket bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)	
Flywheel bolt	103 N·m (10.5 kgf·m, 76 lbf·ft)	Apply oil to the threads
Stator wire clamp bolt	14 N·m (1.4 kgf·m, 10 lbf·ft)	CT bolt

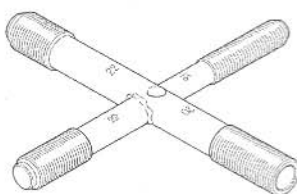
TOOLS

Flywheel holder
07725-0040000



or equivalent commercially available in U.S.A.

Rotor puller
07733-0020001



or 07933-3950000 (U.S.A. only)

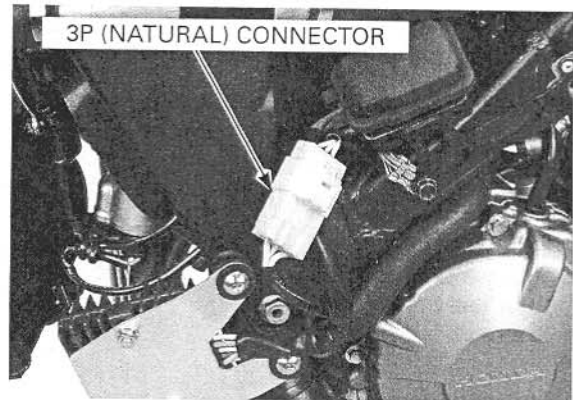
ALTERNATOR

ALTERNATOR COVER REMOVAL

Remove the following:

- Lower cowls (page 3-6)
- Middle cowls (page 3-7)

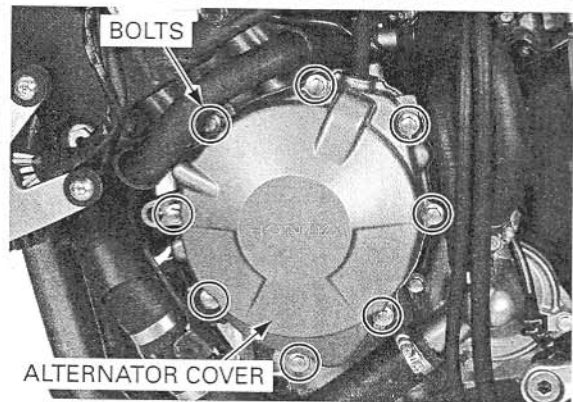
Disconnect the alternator 3P (Natural) connector.



The alternator cover (stator) is magnetically attached to the flywheel, be careful during removal.

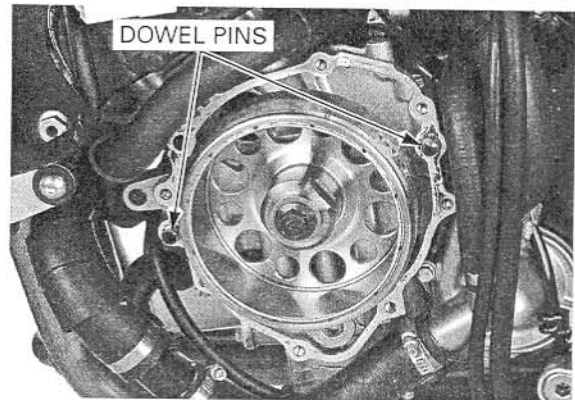
Remove the alternator cover SH bolts and alternator cover.

- Engine oil will run out when the alternator cover is removed. Set a clean oil pan under the engine and add the recommended oil to the specified level after installation.



Remove the dowel pins.

Clean off any sealant from the alternator cover mating surfaces.



STATOR

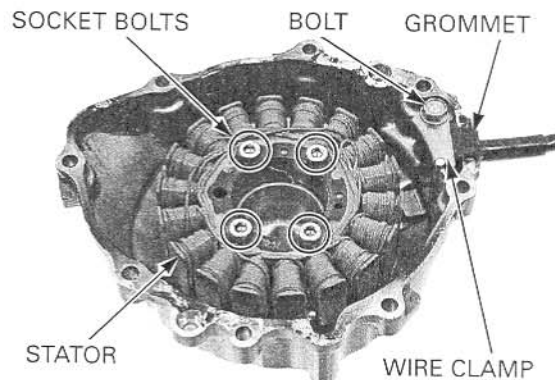
REMOVAL

Remove the alternator cover (page 11-4).

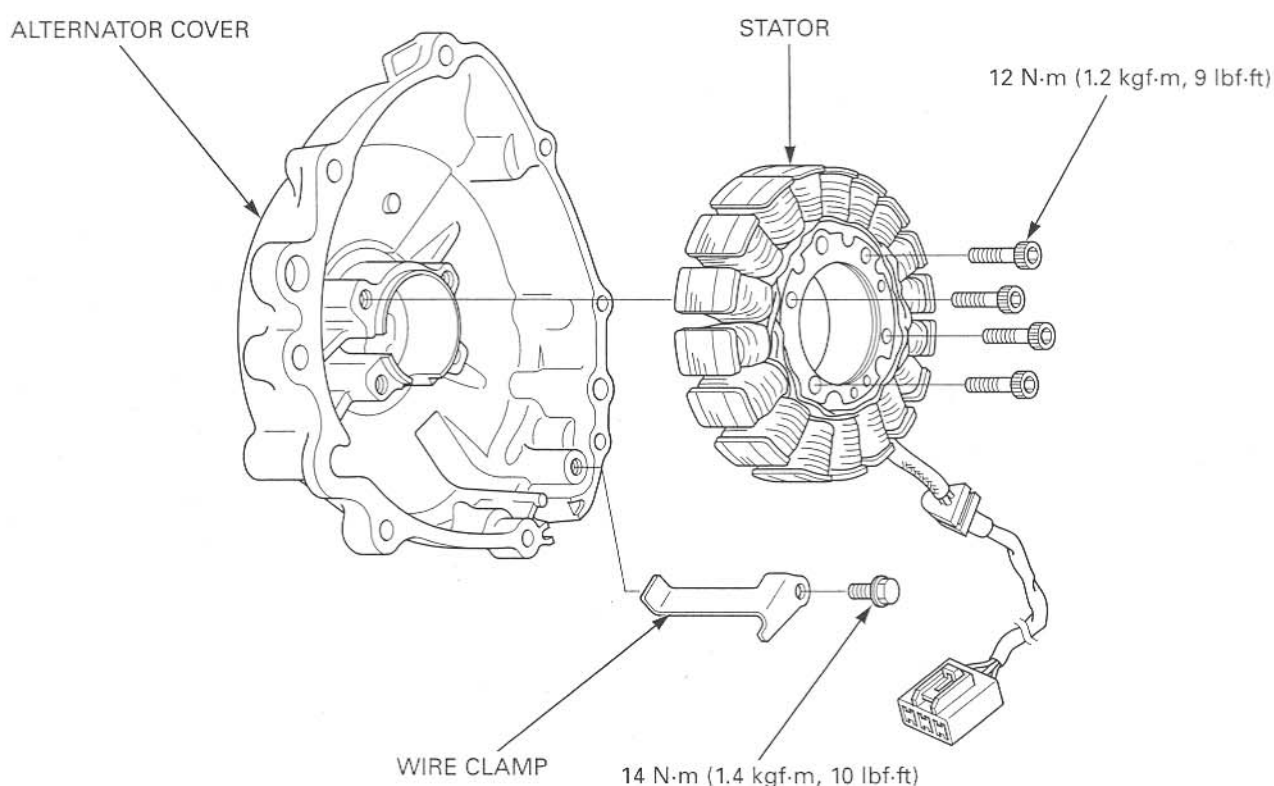
Remove the bolt and stator wire clamp.

Remove the alternator wire grommet from the alternator cover.

Remove the socket bolts and stator.



INSTALLATION



Install the stator into the alternator cover.

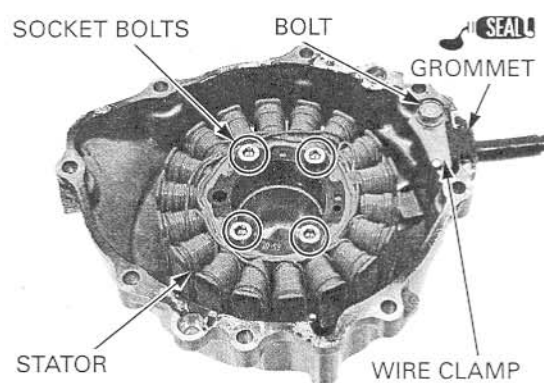
Apply sealant to the wire grommet, then install the wire grommet into the alternator cover groove securely.
Install and tighten the socket bolts to the specified torque.

TORQUE: 12 N·m (1.2 kgf·m, 9 lbf·ft)

Install the wire clamp and tighten the flange bolt to the specified torque.

TORQUE: 14 N·m (1.4 kgf·m, 10 lbf·ft)

Install the alternator cover (page 11-7).



FLYWHEEL

REMOVAL

Remove the alternator cover (page 11-4).

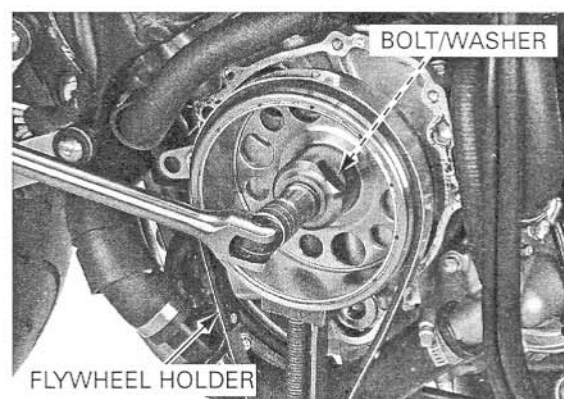
Hold the flywheel using the special tool, then remove the flywheel bolt.

TOOL:

Flywheel holder

07725-0040000 or
equivalent commercially
available in
U.S.A.

Remove the washer.

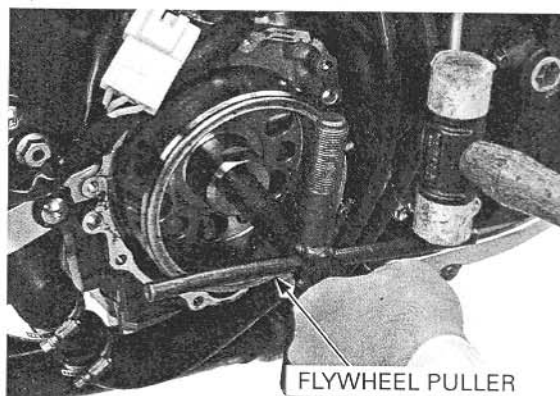


ALTERNATOR

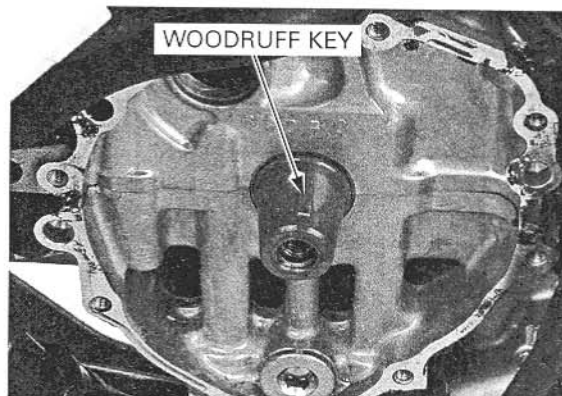
Remove the flywheel using the special tool.

TOOL:
Rotor puller

07733-0020001 or
07933-3950000
(U.S.A. only)

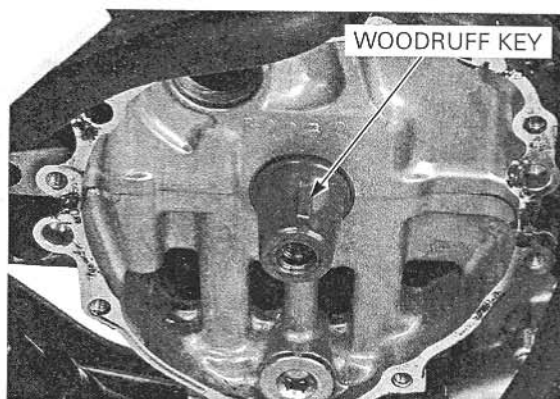


Remove the woodruff key from the crankshaft.

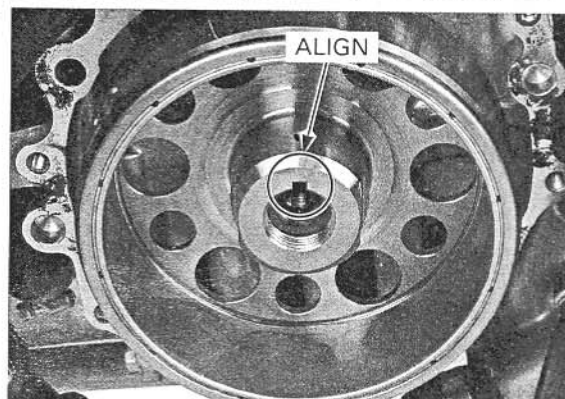


INSTALLATION

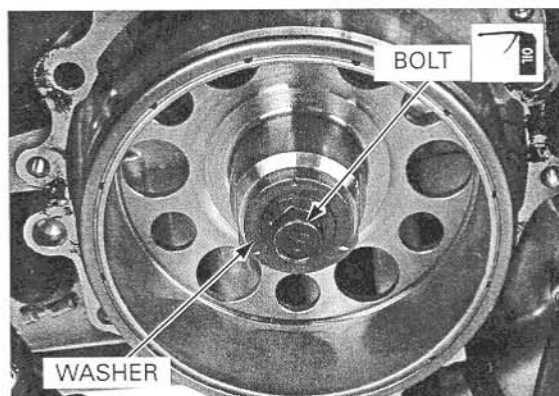
Clean any oil from the crankshaft taper.
Install the woodruff key into the groove of the crankshaft.



Install the flywheel aligning the key way in the flywheel with the woodruff key on the crankshaft.



Apply oil to the flywheel bolt threads and seating surface.
Install the washer and flywheel bolt.

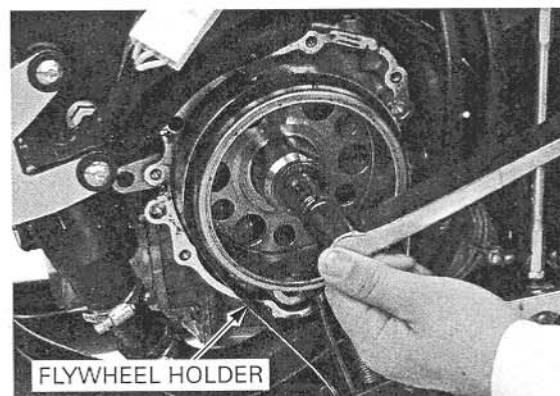


Hold the flywheel using the special tool, then tighten the bolt to the specified torque.

TOOL:
Flywheel holder

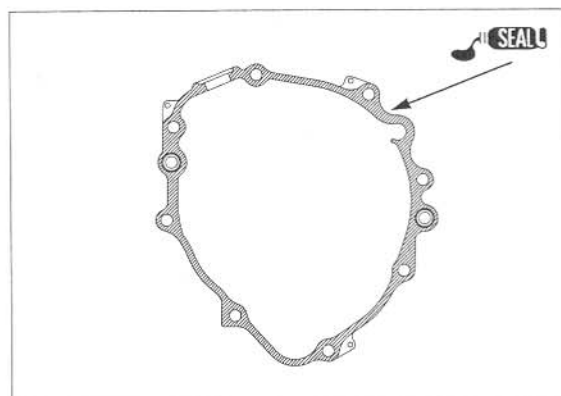
07725-0040000 or
equivalent commercially available in
U.S.A.

TORQUE: 103 N·m (10.5 kgf·m, 76 lbf·ft)

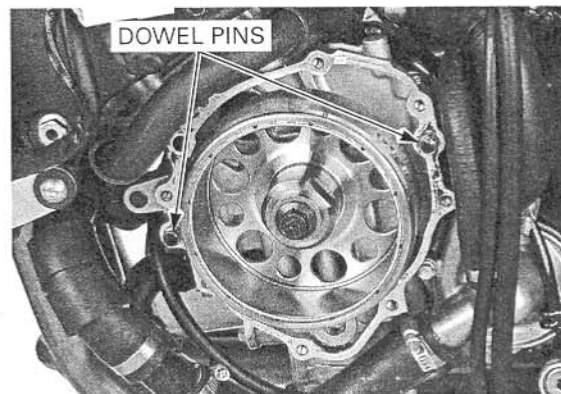


ALTERNATOR COVER INSTALLATION

Apply a sealant to the mating surface of the alternator cover.



Install the dowel pins.

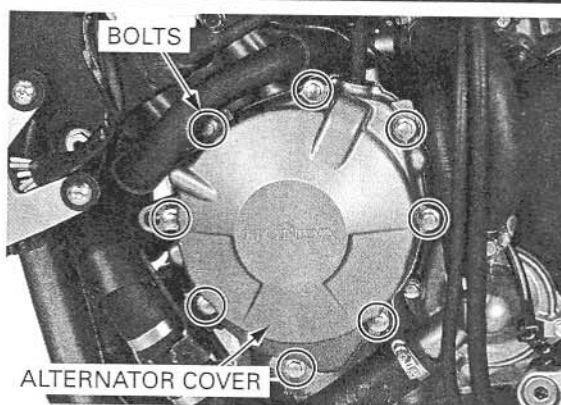


ALTERNATOR

The alternator cover (stator) is magnetically attached to the flywheel, be careful during installation.

Install the alternator cover.

Install and tighten the SH bolts securely.



Connect the alternator 3P (Natural) connector.

Install the following:

- Middle cowls (page 3-8)
- Lower cowls (page 3-6)

