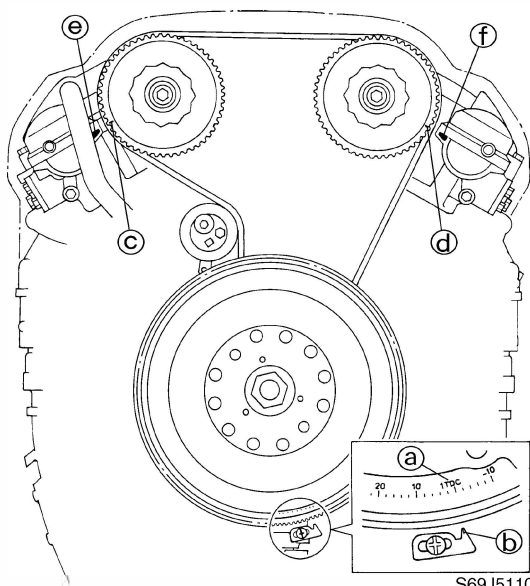




## Replacing the timing belt

1. Remove the flywheel magnet cover, ignition coil cover, and intake silencer.
2. Turn the flywheel magnet clockwise and align the "1TDC" mark ③ on the flywheel magnet with the pointer ①, and check that "I" marks ② and ④ on the driven sprockets are aligned with marks ⑤ and ⑥.

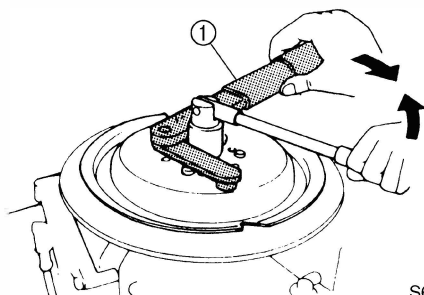


S69J5110

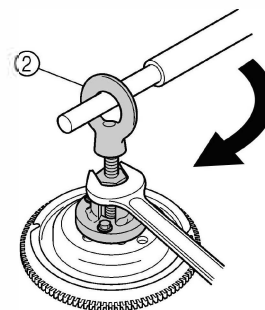
### NOTE:

Do not turn the flywheel magnet counter-clockwise.

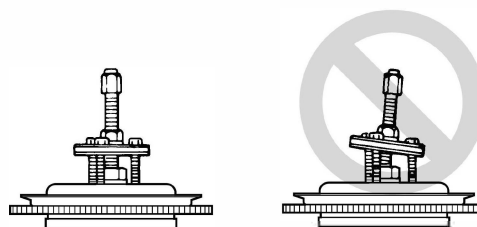
3. Remove the flywheel magnet.



S69J5360



S69J5370



S69J5180

### CAUTION:

- Apply force in the direction of the arrows shown, to prevent the flywheel holder from slipping off easily.
- To prevent damage to the engine or tools, screw in the flywheel puller set bolts evenly and completely so that the flywheel puller plate is parallel to the flywheel magnet.

### NOTE:

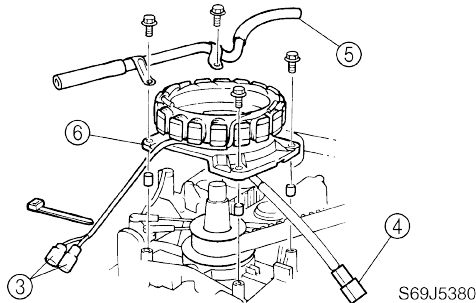
Apply force to the crankshaft end until the flywheel magnet comes off the tapered portion of the crankshaft.



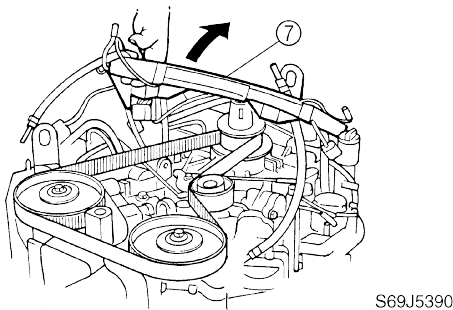
Flywheel holder ①: 90890-06522  
Flywheel puller ②: 90890-06521

4. Disconnect the ignition coil couplers, idle speed control coupler, intake air pressure sensor coupler, throttle position sensor coupler, thermoswitch leads, idle speed control hose, high-pressure fuel hoses, neutral switch coupler, shift cut switch coupler, and starboard fuel injector couplers.

5. Disconnect the stator coil couplers ③ and pulser coil coupler ④, and remove the blowby hose ⑤ and stator coil bracket ⑥.



6. Remove the wiring harness guide bolts.



**NOTE:**

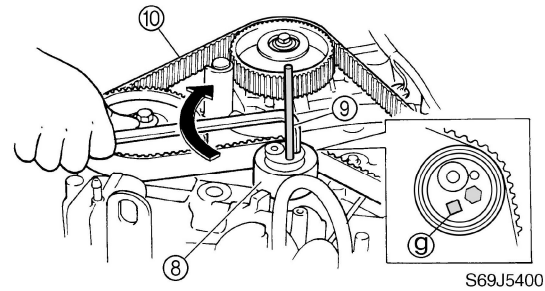
Move the wiring harness guide ⑦ to a position that will make servicing easy.

7. Using a hexagon wrench, turn the timing belt tensioner ⑧ clockwise to push the timing belt, increase strength gradually, and then insert a  $\varnothing 5.0$  mm (0.2 in) pin ⑨ into the hole ⑩.

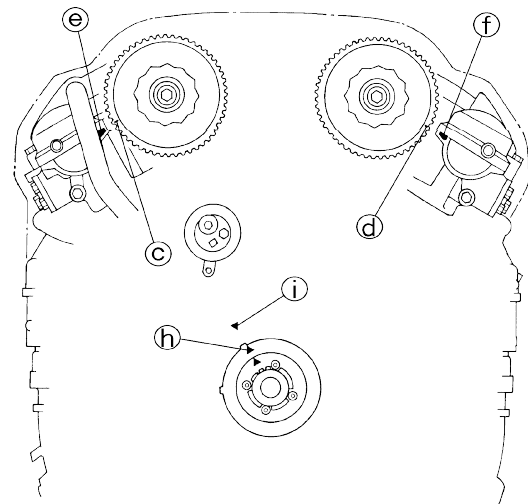
**NOTE:**

Leave the pin inserted into the timing belt tensioner until the timing belt has been installed.

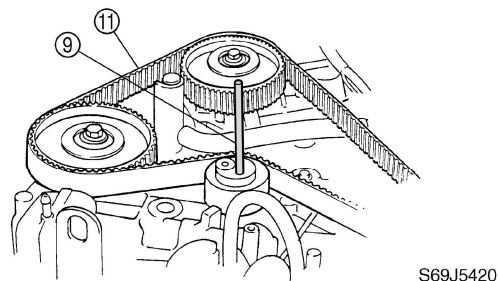
8. Remove the timing belt ⑩ from the driven sprocket side.



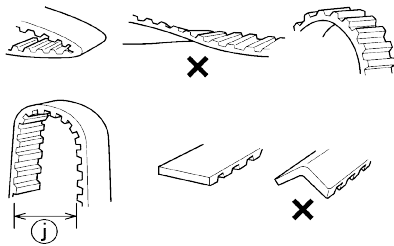
9. Check that "I" marks ③ and ④ on the driven sprockets are aligned with marks ⑤ and ⑥, and that the "▲" mark ⑦ on the plate is aligned with the "▲" mark ⑧ on the cylinder block. Align if necessary.



10. Install the timing belt ⑪ from the drive sprocket side with its part number in the upright position, turn the belt a half turn counterclockwise to align it, and then remove the pin ⑨.



**5**



S69J5430

**CAUTION:**

- Do not twist, turn inside out, or bend the timing belt beyond the maximum limit of 25 mm (1.0 in) ①, otherwise it may be damaged.
- Do not get oil or grease on the timing belt.

11. Turn the drive sprocket clockwise two turns, and then check that all alignment marks are aligned.

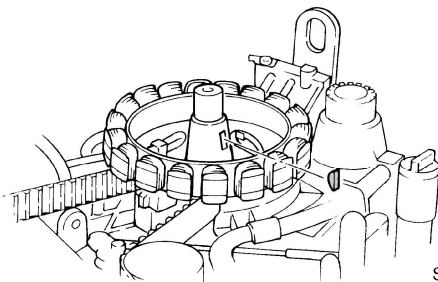
**NOTE:**

Do not turn the drive sprocket counterclockwise.

12. Install the wiring harness guide, stator coil bracket, and blowby hose, and connect the pulser coil coupler and stator coil couplers.

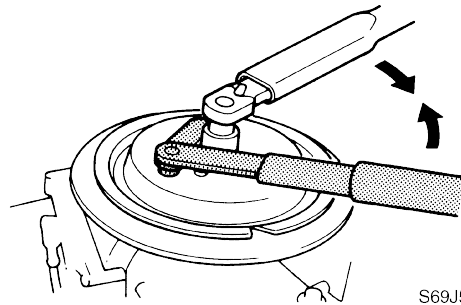
13. Connect all couplers, leads, and hoses.

14. Install the Woodruff key.



S69J5300

15. Install the flywheel magnet.



S69J5320

**CAUTION:**

Apply force in the direction of the arrows shown, to prevent the flywheel holder from slipping off easily.

**NOTE:**

Apply engine oil to the flywheel magnet nut before installation.



Flywheel holder: 90890-06522



Flywheel magnet nut:  
240 N·m (24 kgf·m, 174 ft·lb)

16. Install the intake silencer, ignition coil cover, and flywheel magnet cover.

**Removing the power unit**

1. Remove the flywheel magnet cover and intake silencer.
2. Remove the retaining plate ① and holders ②, and then disconnect the throttle cable ③ and shift cable ④.