

Replacing the timing belt



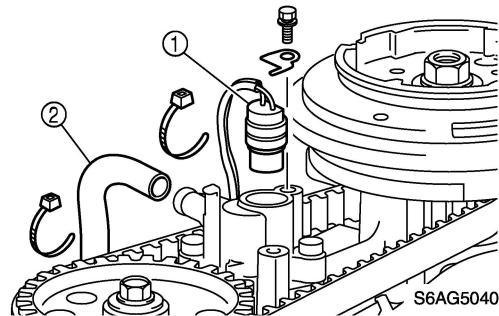
CAUTION:

Do not turn the flywheel magnet counter-clockwise, otherwise the water pump impeller may be damaged.

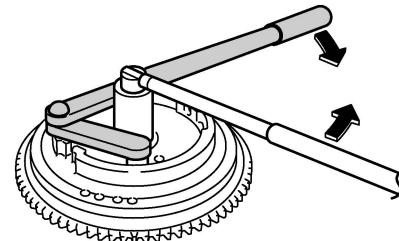
NOTE:

To remove and install the timing belt, drive sprocket, and driven sprocket, see “Removing the timing belt and sprocket” (5-30) and “Installing the sprocket and timing belt” (5-31).

1. Disconnect the spark plug caps and remove the spark plugs.
2. Remove the thermoswitch ① and cooling water hose ② from the thermostat cover.



3. Remove the flywheel magnet nut.



WARNING

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

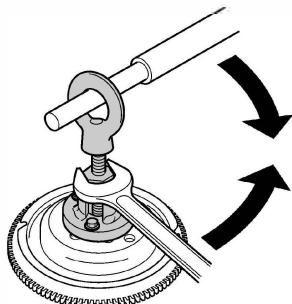
NOTE:

Use a 24 mm socket to loosen the flywheel magnet nut.

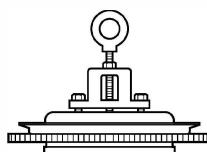


Flywheel holder: 90890-06522

4. Remove the flywheel magnet and Woodruff key.



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CAUTION:

To prevent damage to the engine or tools, screw in the puller set bolts evenly and completely so that the flywheel puller is parallel to the flywheel magnet.

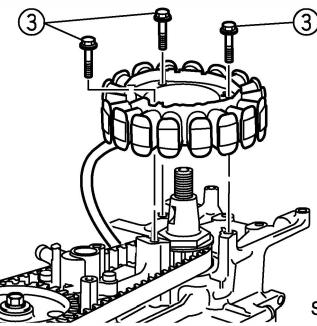
NOTE:

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



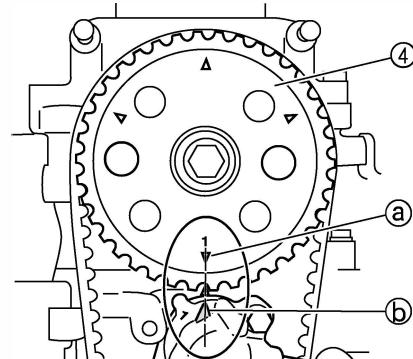
Flywheel puller: 90890-06521

5. Remove the stator coil assembly bolts ③, and then remove the stator coil assembly.



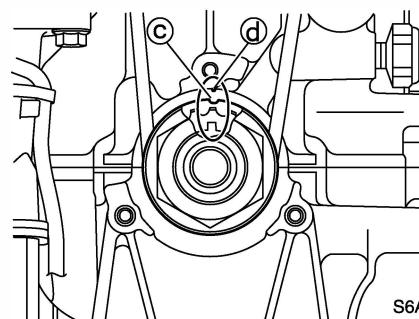
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6. Align the “1 ▲” mark ④ on the driven sprocket ④ with the “▲” mark ⑤ on the cylinder head.



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5

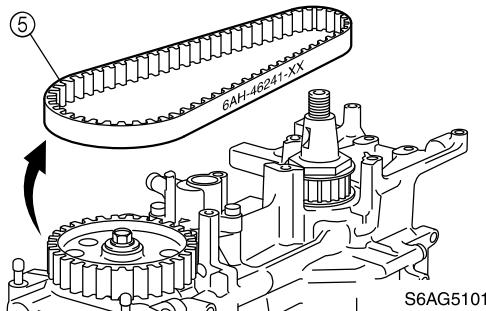


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NOTE:

Check that the mark ⑥ on the drive sprocket and the mark ⑦ on the cylinder block are aligned.

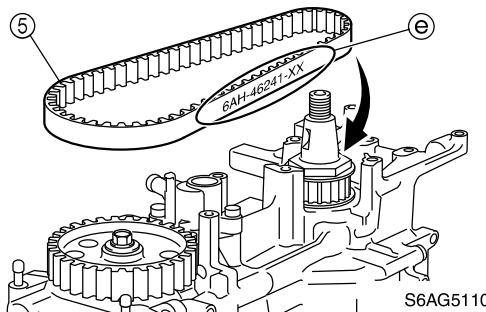
7. Remove the timing belt ⑤ from the driven sprocket, and then remove it from the drive sprocket.



CAUTION:

Unless directed to do so in the following instructions, do not turn the drive sprocket or driven sprocket when the timing belt is not installed. Otherwise the pistons and valves will collide with each other and be damaged.

8. Install a new timing belt ⑤ onto the drive sprocket, and then install it onto the driven sprocket with its part number in the upright position ⑥.



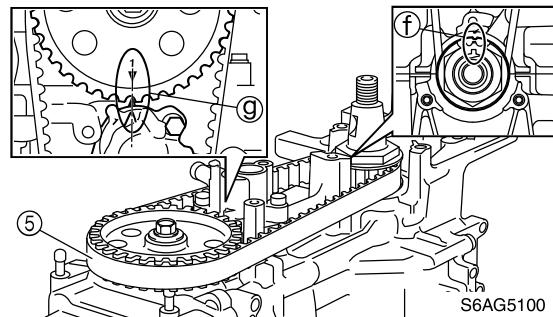
CAUTION:

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

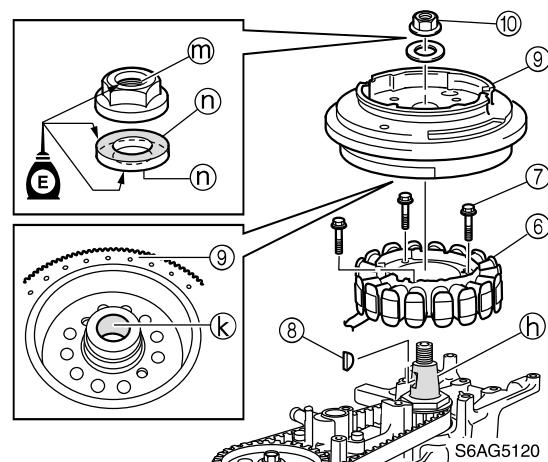
NOTE: -

Before installing the timing belt, make sure that the marks on the drive sprocket and driven sprocket are aligned with the marks on the cylinder block and cylinder head.

- Turn the drive sprocket clockwise 2 turns, and then check that the alignment marks ⑧ and ⑨ are aligned.



10. Install the stator coil assembly ⑥ with bolts ⑦.
11. Install the Woodruff key ⑧, and then install the flywheel magnet ⑨.



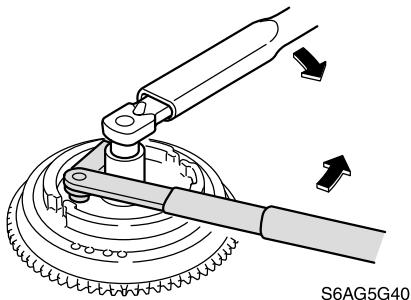
NOTE:

- Be sure to remove any grease from the tapered portion of the crankshaft ⑪ and fly-wheel magnet ⑫.
- Apply engine oil to the threads ⑬ of the fly-wheel magnet nut ⑭ and washer ⑮ before installation.



Stator coil assembly bolt ⑦:
8 N·m (0.8 kgf·m, 5.9 ft·lb)

12. Tighten the flywheel magnet nut to the specified torque.



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⚠ WARNING

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



Flywheel holder: 90890-06522



Flywheel magnet nut ⑩:
108 N·m (10.8 kgf·m, 79.7 ft·lb)

13. Install all parts removed during disassembly.

5