

## ELECTRIC VARIABLE VALVE TIMING MOTOR/DRIVER INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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### Warning

- A hot engine can cause severe burns. Turn off the engine and wait until it is cool before servicing.

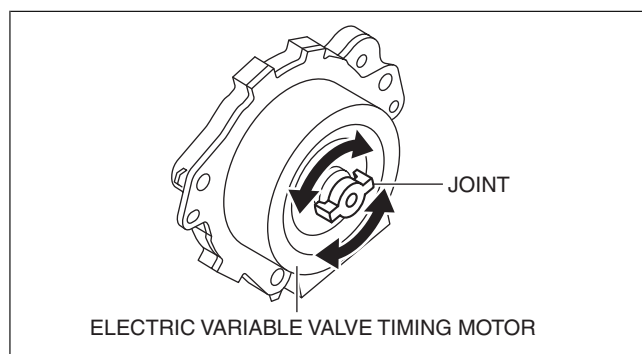
### Caution

- Do not disassemble the electric variable valve timing motor/driver because it is a precision unit.
- Do not apply excessive force when rotating the electric variable valve timing motor joint. If it is rotated with excessive force, the electric variable valve timing motor could be damaged.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)
2. Remove the plug hole plate. (See PLUG HOLE PLATE REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
3. Remove the electric variable valve timing motor/driver. (See ELECTRIC VARIABLE VALVE TIMING MOTOR/DRIVER REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
4. Rotate the electric variable valve timing motor joint to the left and right by your fingers and verify that it rotates smoothly in **15°** increments.

### Note

- Rotate the joint area smoothly using only the tips of your fingers.
  - The electric variable valve timing motor joint moves in **15°** increments, and if the joint is moved **24** times, it rotates one full rotation.
- If it does not rotate smoothly, replace the electric variable valve timing motor/driver. (See ELECTRIC VARIABLE VALVE TIMING MOTOR/DRIVER REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
5. Install in the reverse order of removal.



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