

CURRENT SENSOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

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Caution

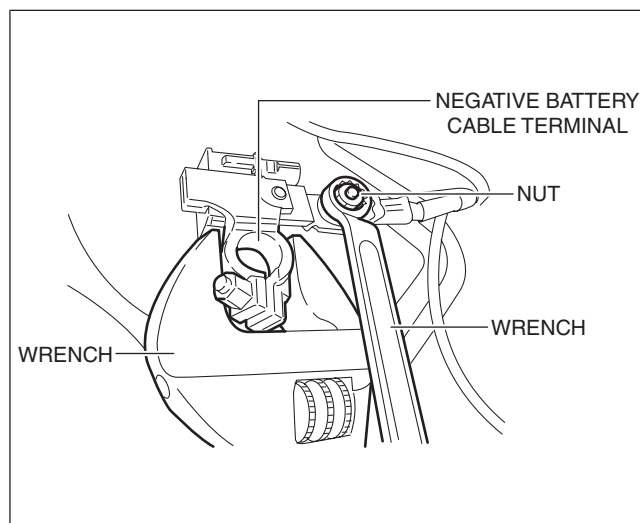
- Be careful not to contact the positive battery cable terminal.

Current Sensor Removal

Caution

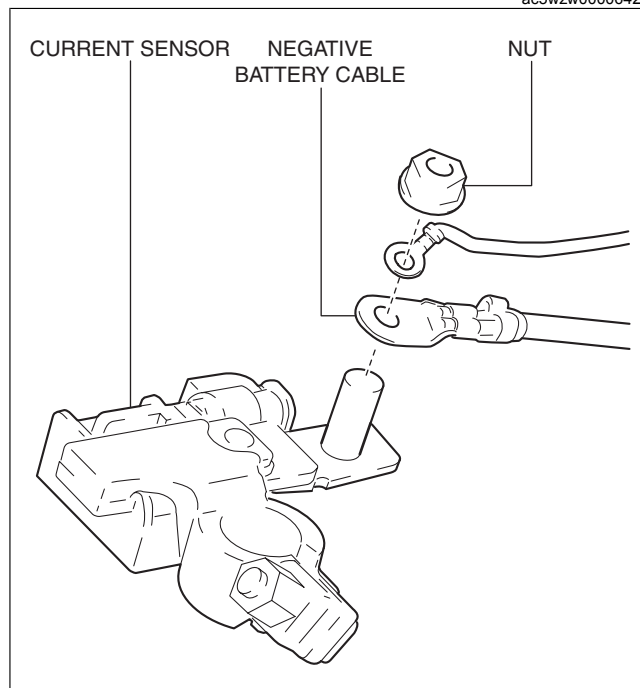
- If the nut for the current sensor is loosened with the negative battery cable terminal connected to the battery, excessive torque will be applied to the negative battery cable terminal and the battery terminal will be damaged. When removing the negative battery cable terminal and current sensor, be careful not to damage the battery terminal.

1. Disconnect the current sensor connector.
2. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
3. Loosen the current sensor nut while fixing the negative battery terminal using a wrench.



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4. Remove the current sensor.



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Current Sensor Install

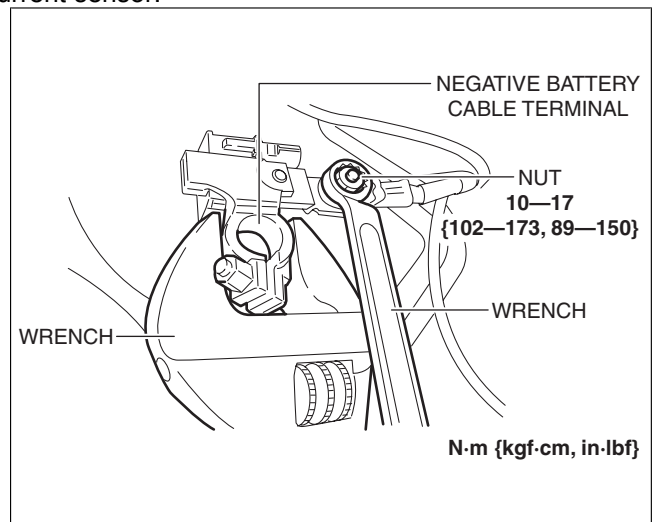
Caution

- Connect the negative battery cable before connecting the current sensor connector. If the current sensor connector is connected first, the PCM may mistakenly recognize a signal from the current sensor and learn the battery condition incorrectly.
- Verifying the tightness while holding the current sensor may apply excessive force to the terminal and the terminal could loosen, causing poor engine starting. When verifying the tightness of the negative battery cable terminal, only hold the terminal area, not the current sensor.

1. Temporarily install the negative battery cable and the current sensor.
2. Tighten the current sensor nut to the specified torque while fixing the negative battery terminal using a wrench.
3. Perform the battery condition initial setting (i-stop setting) procedure. (See BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING) [SKYACTIV-D 2.2].)

Note

- Connection of the negative battery cable terminal and the current sensor connector will be done in the battery condition initial setting (i-stop setting) procedure.
4. Perform services not related to i-stop control which are required after connecting the negative battery cable terminal. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)



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