

## STARTER REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

id0119i2800200

### Operation After Replacing Starter (Vehicle With i-stop)

#### Note

- If the number of times the starter can operate exceeds the limit, or there is any malfunction of the i-stop system-related parts, the i-stop warning light (amber) flashes. In addition, DTCs are stored simultaneously.
- To ensure reliability of the i-stop system, replace the starter with a new one if the number of times the starter can operate has exceeded the upper limit.
- When replacing the starter, perform the following procedure: When replacing the PCM simultaneously, perform the PCM configuration first. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See PCM CONFIGURATION (USING READ/WRITE FUNCTION) [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See PCM CONFIGURATION (USING AS-BUILT DATA) [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)

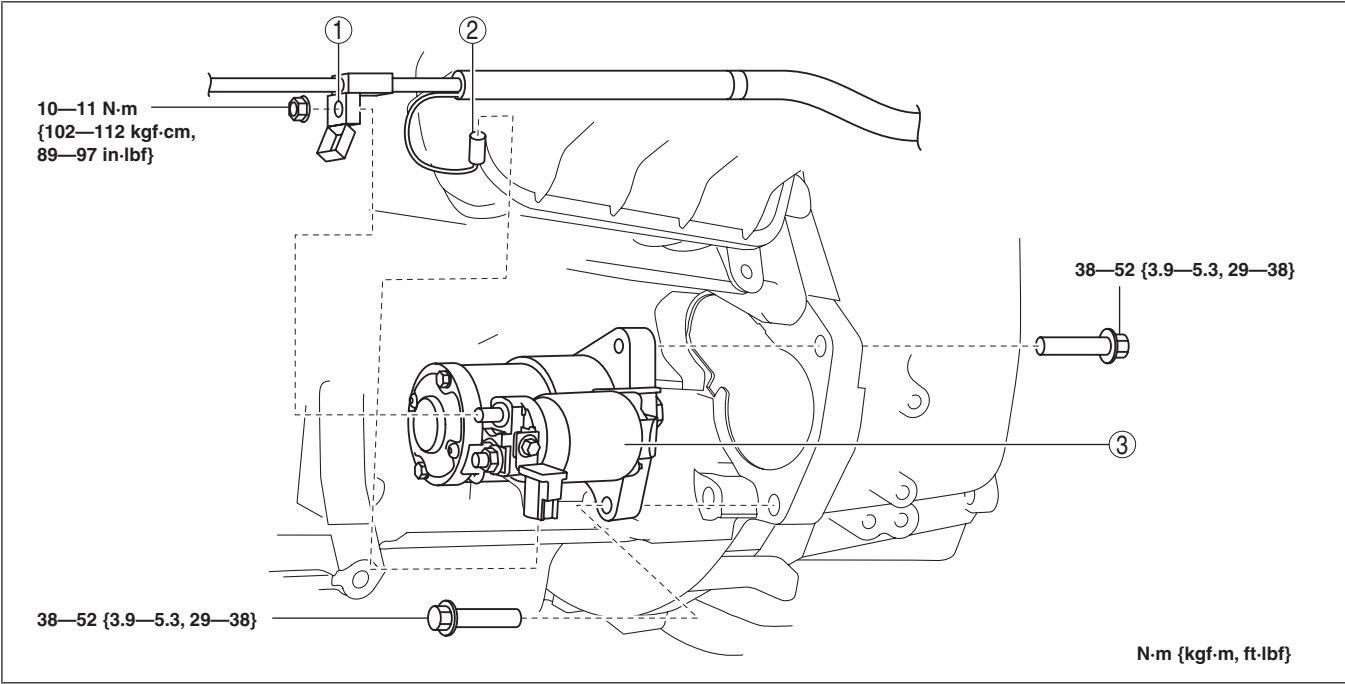
| Step | Action  |
|------|---|
| 1    | <b>Note</b> <ul style="list-style-type: none"><li>• Perform the procedures from Step 1 to 5 within 2 min.<ul style="list-style-type: none"><li>— If the operation exceeds 2 min, switch the ignition off and repeat the procedures from Step 1.</li></ul></li></ul> Switch the ignition ON (engine off).  |
| 2    | Apply the parking brake firmly.   |
| 3    | Shift the selector lever to the N position.   |
| 4    | Perform the following work with the brake pedal depressed. <ol style="list-style-type: none"><li>1. Depress and release the accelerator pedal 6 times.</li><li>2. Verify that the i-stop indicator light (green) flashes.<ul style="list-style-type: none"><li>• If the light does not flash, switch the ignition off and repeat the procedure from Step 1.</li></ul></li><li>3. Depress and release the accelerator pedal 6 times.</li><li>4. Verify that the i-stop indicator light (green) changes from flashing to illumination.<ul style="list-style-type: none"><li>• If the light does not change to illumination, switch the ignition off and repeat the procedure from Step 1.</li></ul></li></ol> |
| 5    | Long-press the i-stop OFF switch.<br>Wait until the i-stop indicator light (green) turns off (for 5 s or more). <ul style="list-style-type: none"><li>• If the light does not turn off, switch the ignition off and repeat the procedure from Step 1.</li></ul>   |
| 6    | Switch the ignition off.  |
| 7    | Start the engine.   |
| 8    | Verify that the i-stop warning light (amber) turns off. <ul style="list-style-type: none"><li>• If the light does not turn off, switch the ignition off and repeat the procedure from Step 1.</li></ul>   |
| 9    | Switch the ignition off and disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  |
| 10   | Verifying battery condition initialization setting (i-stop setting). (See BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING) [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)  |

### Starter Removal/Installation

#### Warning

- **Remove and install all parts when the engine is cold, otherwise they can cause severe burns or serious injury.**
- **When the battery cables are connected, touching the vehicle body with starter terminal B will generate sparks. This can cause personal injury, fire, and damage to the electrical components. Always disconnect the negative battery cable before performing the following operation.**

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 front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.



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|   |                      |
|---|----------------------|
| 1 | Terminal B cable     |
| 2 | Terminal S connector |

|   |         |
|---|---------|
| 3 | Starter |
|---|---------|