

BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

id0117h6800500

Operation After Replacing Battery

Note

- If the battery charge/discharge flow (number of times battery can operate) exceeds the specification, a DTC is recorded and the i-stop warning light (amber) flashes. If the battery charge/discharge flow (number of times battery can operate) exceeds the specification, replace the battery with a new one.
- When replacing the battery, perform the following procedure: When replacing the PCM simultaneously, perform the PCM configuration first. (See PCM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].) (See PCM CONFIGURATION (USING READ/WRITE FUNCTION) [SKYACTIV-D 2.2].) (See PCM CONFIGURATION (USING AS-BUILT DATA) [SKYACTIV-D 2.2].)

Without TFT LCD display

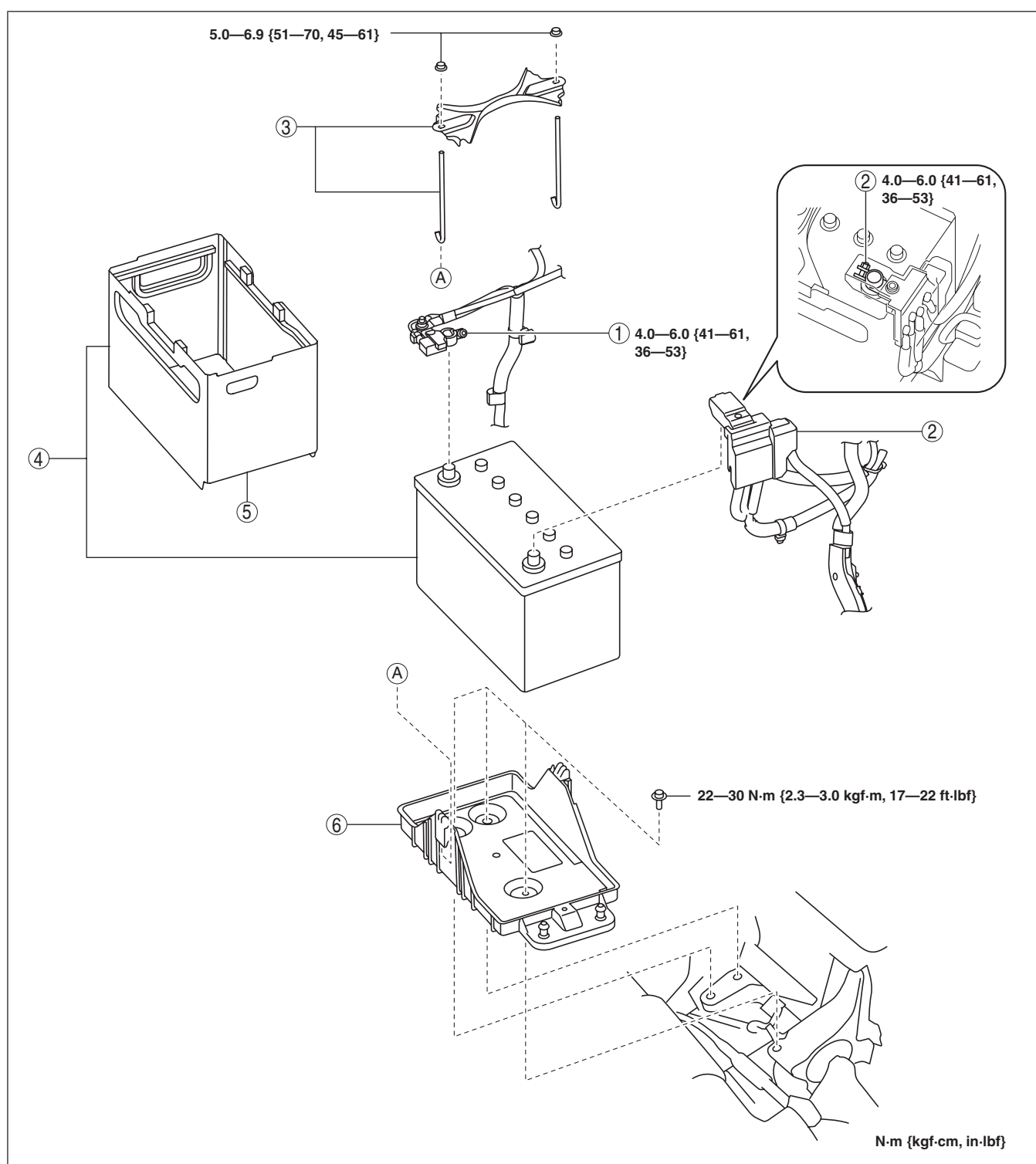
Step	Action
1	Switch the ignition ON (engine off).
2	Shift the selector lever to the N position.
3	Perform the following work with the brake pedal depressed. <ol style="list-style-type: none">1. Depress the accelerator pedal for 5 s or more.2. Verify that the charging system warning light and the master warning light flash.3. Depress and release the accelerator pedal 3 times.4. Verify that the charging system warning light illuminates and the master warning light turns off.
4	Switch the ignition off and disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
5	Verifying battery condition initialization setting (i-stop setting). (See BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING) [SKYACTIV-D 2.2].)

With TFT LCD display

Step	Action
1	Close the all doors.
2	Switch the ignition ON (engine off).
3	If a warning message is displayed in the LCD display, clear the screen using the INFO switch and then go to the next step.
4	Shift the selector lever to the N position.
5	Perform the following work with the brake pedal depressed. <ol style="list-style-type: none">1. Depress the accelerator pedal for 5 s or more.2. Verify that a warning message (master warning light) on the LCD flashes.3. Depress and release the accelerator pedal 3 times.4. Verify that a warning message (master warning light) on the LCD turn off.
6	Switch the ignition off and disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
5	Verifying battery condition initialization setting (i-stop setting). (See BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING) [SKYACTIV-D 2.2].)

Battery Removal/Installation

1. Remove in the order indicated in the table.
2. Install in the reverse order of removal.



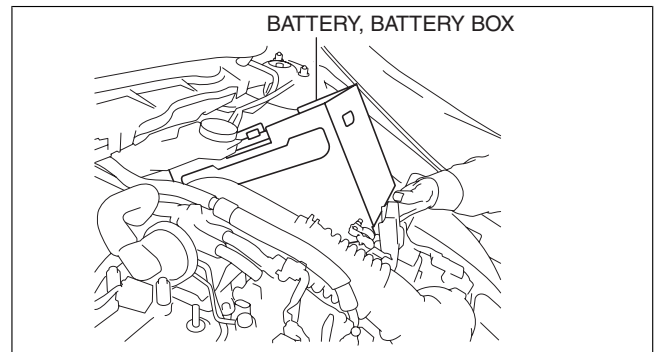
ac5wzw00005135

1	Negative battery cable (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2	Positive battery cable
3	Battery clamp
4	Battery, battery box (See Battery, battery box removal note.) (See Operation After Replacing Battery.)

5	Battery box (See Battery box installation note.)
6	Battery tray (See Battery tray removal note.)

Battery, battery box removal note

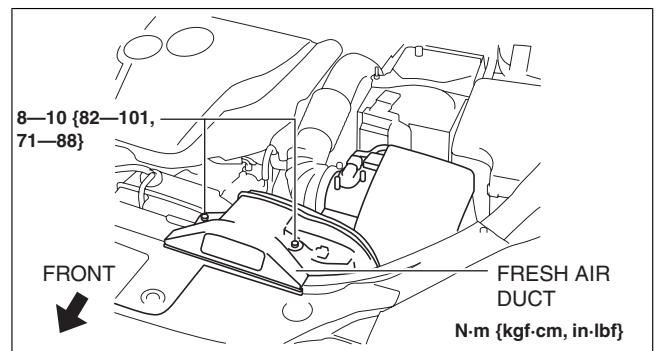
1. Remove the battery with the battery box while the battery is positioned at an angle as shown in the figure.



ac5wzw00005136

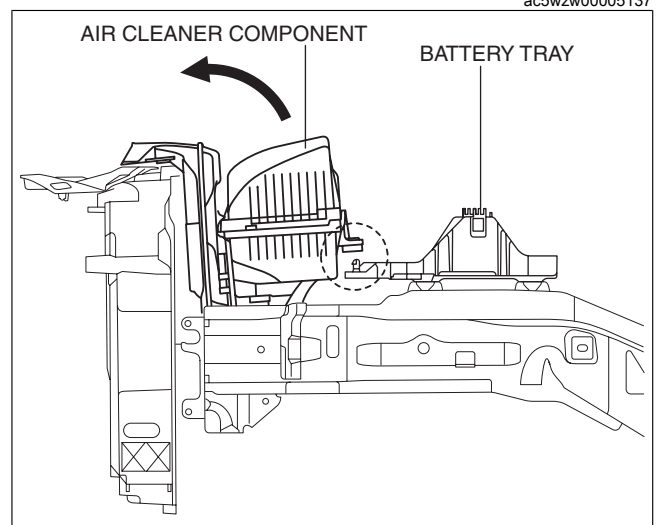
Battery tray removal note

1. Remove the battery tray using the following procedure:
 - (1) Remove the two fresh air duct bolts shown in the figure.



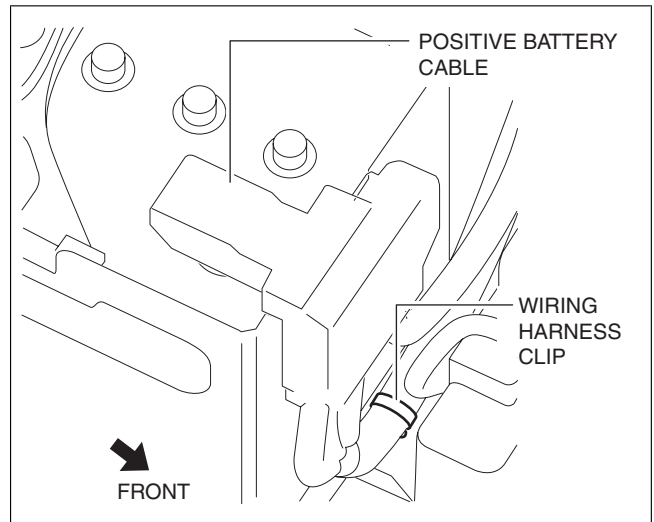
ac5wzw00005137

- (2) Lightly lift the air cleaner component and set the battery tray aside as shown in the figure.



ac5wzw00005138

- (3) Remove the wiring harness clip shown in the figure from the battery tray.
(4) Remove the battery tray.



Battery box installation note

1. Install the battery box so that the side with the larger notch is pointed at the engine.

