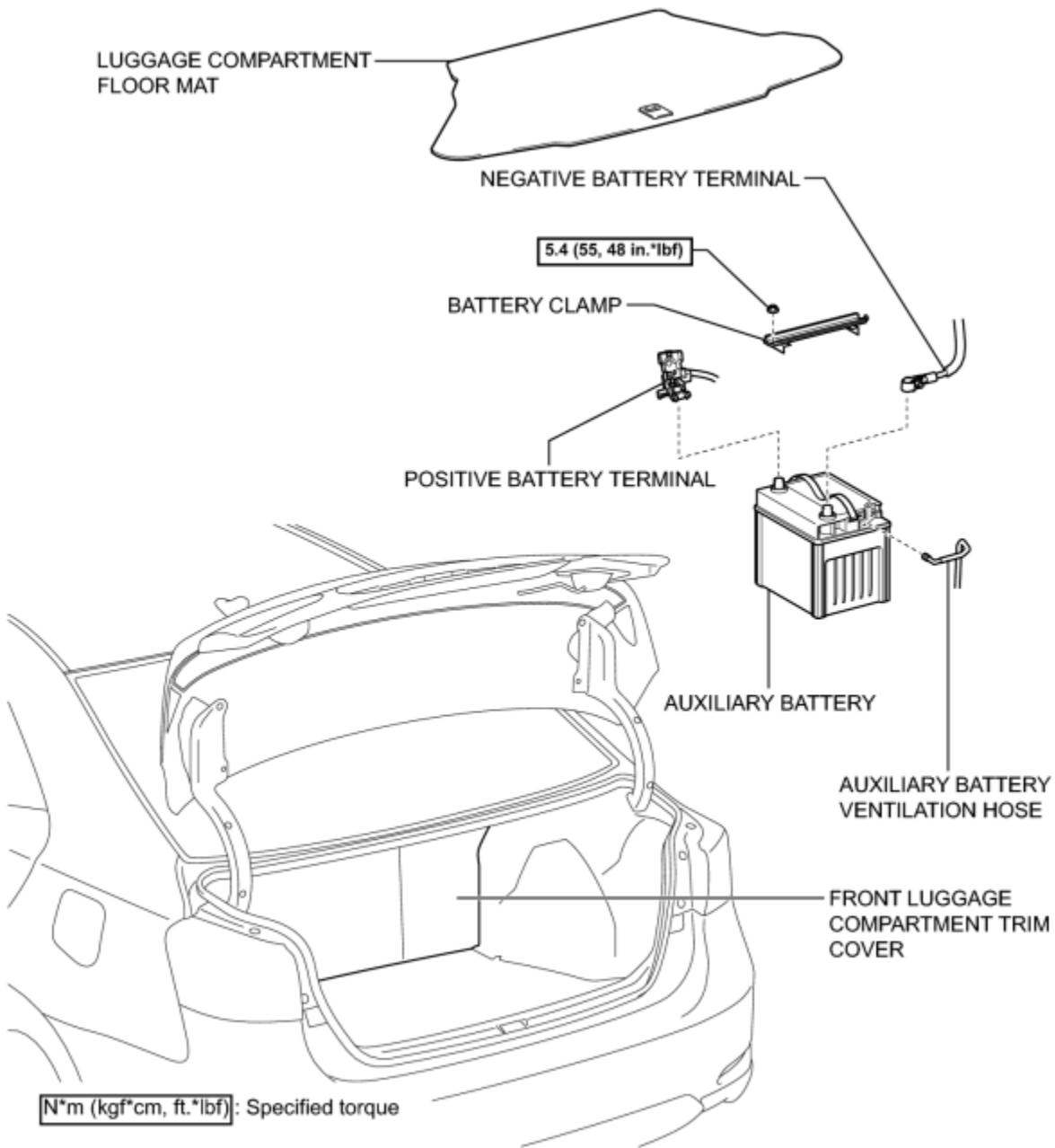


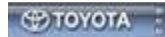
Last Modified: 10-5-2010	6.4 K	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000001RSE008X
Title: 2AZ-FXE BATTERY / CHARGING: BATTERY: COMPONENTS (2010 HS250H)		

COMPONENTS

ILLUSTRATION



c



Last Modified: 10-5-2010	6.4 G	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000001AR904KX
Title: 2AZ-FXE BATTERY / CHARGING: BATTERY: ON-VEHICLE INSPECTION (2010 HS250H)		

ON-VEHICLE INSPECTION

1. CHECK AUXILIARY BATTERY VOLTAGE

NOTICE:

If the battery is fully depleted or "READY" does not light up, recharge the battery. Check the battery again before the vehicle is returned to the customer.

(a) Check the battery for damage and deformation. If severe damage, deformation or leakage is found, replace the battery.

(b) Check the voltage.

(1) Turn the power switch off and turn on the headlights for 20 to 30 seconds. This will remove the surface charge from the battery.

(2) Measure the battery voltage according to the value(s) in the table below.

Standard Voltage:

Tester Connection	Condition	Specified Condition
Positive (+) terminal - Negative (-) terminal	20°C (68°F)	12.5 to 12.9 V

HINT:

If the voltage is not as specified, charge the battery.

2. CHECK BATTERY TERMINAL

(a) Check that the battery terminals are not loose or corroded.

If the terminals are corroded, clean them.

3. CHECK FUSES

(a) Measure the resistance of each fuse for the auxiliary battery charging system.

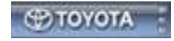
Standard resistance:

Below 1 Ω

- If any of the results is not as specified, replace the fuse(s) as necessary.

4. CHECK AUXILIARY BATTERY VENTILATION HOSE

- (a) Make sure that the hose is not kinked.



Last Modified: 10-5-2010	6.4 A	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000001RSF008X
Title: 2AZ-FXE BATTERY / CHARGING: BATTERY: REMOVAL (2010 HS250H)		

REMOVAL

1. PRECAUTION

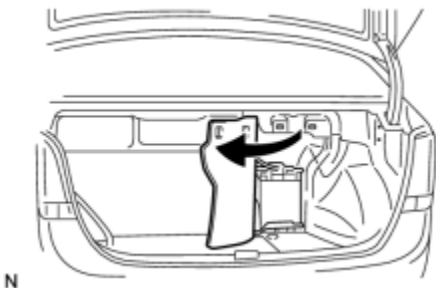
NOTICE:

After the power switch is turned off, the display and navigation module display (HDD navigation system) records various types of memory and settings. As a result, after turning the power switch off, make sure to wait at least 60 seconds before disconnecting the cable from the negative (-) battery terminal.

2. REMOVE LUGGAGE COMPARTMENT FLOOR MAT

(a) Remove the luggage compartment floor mat.

3. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL



(a) Open the front luggage compartment trim cover and disconnect the cable from the negative (-) battery terminal.

4. REMOVE AUXILIARY BATTERY

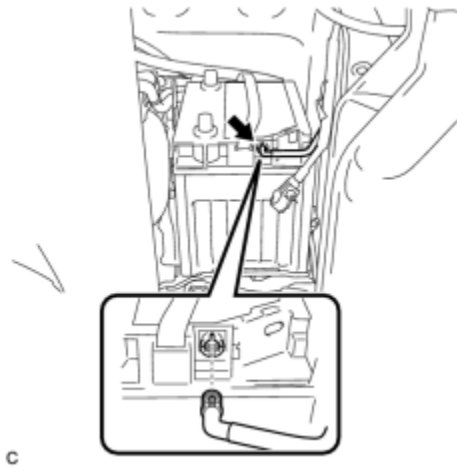
(a) Open the battery terminal cap.

(b) Loosen the nut and separate the positive (+) battery terminal.

(c) Remove the nut.

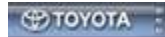


(d) Remove the battery clamp.



(e) Disconnect the battery ventilation hose.

(f) Remove the battery.

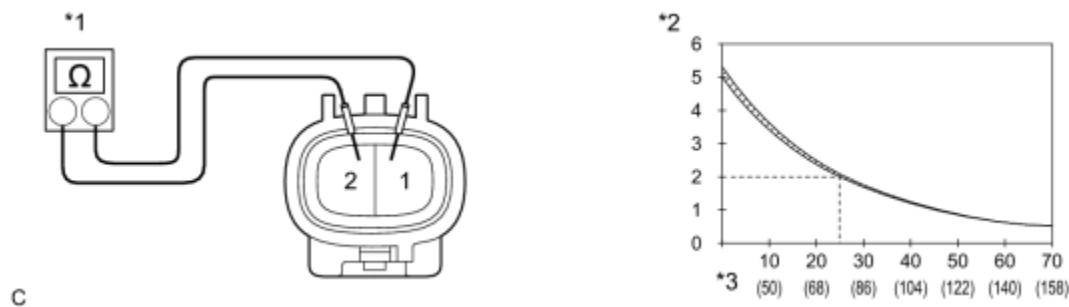


Last Modified: 10-5-2010	6.4 G	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM00000201P02PX
Title: 2AZ-FXE BATTERY / CHARGING: BATTERY THERMOMETER SENSOR: ON-VEHICLE INSPECTION (2010 HS250H)		

ON-VEHICLE INSPECTION

1. INSPECT BATTERY THERMOMETER SENSOR

(a) Disconnect the connector from the battery thermometer sensor.



Text in Illustration

*1	Ohmmeter	*2	Resistance kΩ
*3	Battery Temperature °C (°F)	-	-

Standard Resistance:

Tester Connection	Condition	Specified Condition
1 - 2	24 to 26°C (75 to 79°F)	1.91 to 2.05 kΩ

If the resistance is not within the specified range, replace the battery thermometer sensor.



Last Modified: 10-5-2010	6.4 A	From: 200907
Model Year: 2010	Model: HS250H	Doc ID: RM000001RSD008X
Title: 2AZ-FXE BATTERY / CHARGING: BATTERY: INSTALLATION (2010 HS250H)		

INSTALLATION

1. INSTALL AUXILIARY BATTERY

- (a) Install the battery.
- (b) Connect the battery ventilation hose to the battery without kinking it.

HINT:

Push in the battery ventilation hose to the battery until a click sound is heard.

- (c) Install the battery clamp with the nut.

Torque: **5.4 N·m (55 kgf·cm, 48in·lbf)**

- (d) Install the positive (+) battery terminal with the nut.
- (e) Install the battery terminal cap.

2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

- (a) Connect the cable to the negative (-) battery terminal and close the front luggage compartment trim cover.

3. INSTALL LUGGAGE COMPARTMENT FLOOR MAT

- (a) Install the luggage compartment floor mat.

