

REMOVAL

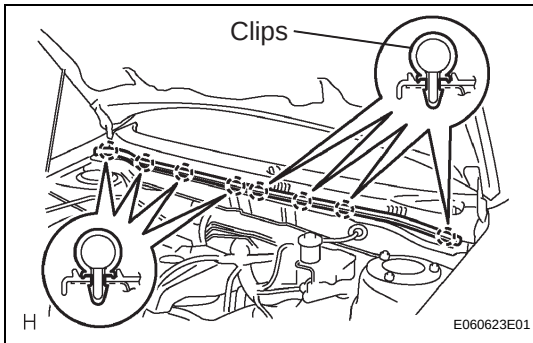
1. REMOVE WINDSHIELD WIPER ARM COVER

2. REMOVE FRONT WIPER ARM AND BLADE ASSEMBLY RH

- Stop the windshield wiper motor assembly at the automatic stop position.
- Remove the nut and the FR wiper arm & blade assembly RH.

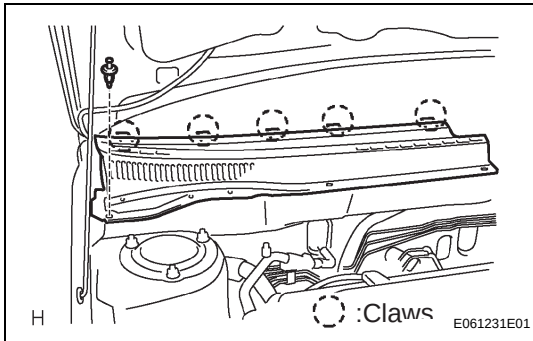
3. REMOVE FRONT WIPER ARM AND BLADE ASSEMBLY LH

- Remove the nut and the FR wiper arm & blade assembly LH.



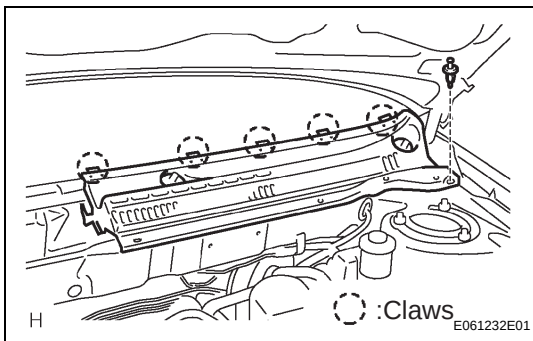
4. REMOVE HOOD TO COWL TOP SEAL

- Using a clip remover, disengage the meshing of 8 clips and remove the hood to cowl top seal.



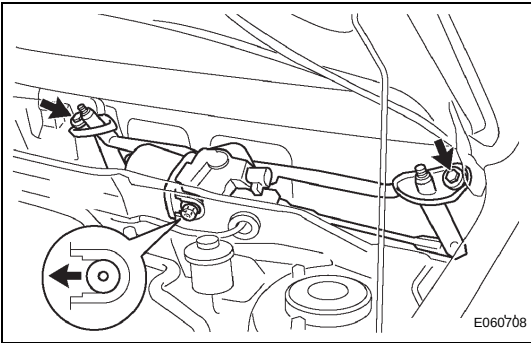
5. REMOVE COWL TOP VENTILATOR LOUVER RH

- Remove the clip.
- Disengage the 5 claws and remove the cowl top ventilator louver RH.



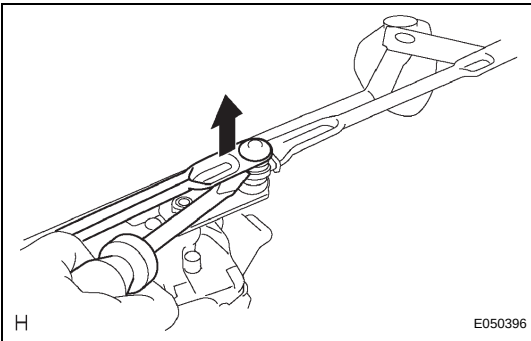
6. REMOVE COWL TOP VENTILATOR LOUVER LH

- Remove the clip.
- Disengage the 5 claws and remove the cowl top ventilator louver LH.



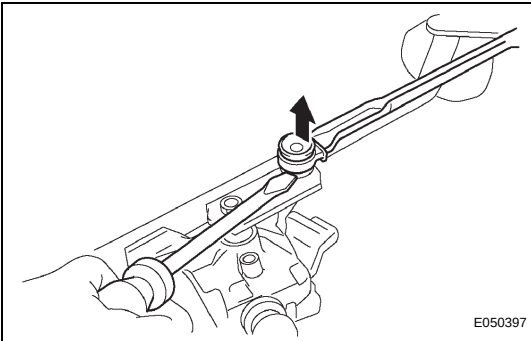
7. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

- Disconnect the connector.
- Remove the 2 bolts.
- Slide the wiper link assembly to the passenger's side. Disengage the meshing of the rubber pin and remove the windshield wiper motor and link assembly.

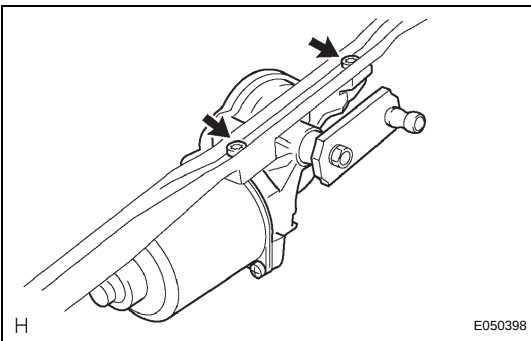


8. REMOVE WINDSHIELD WIPER MOTOR ASSEMBLY

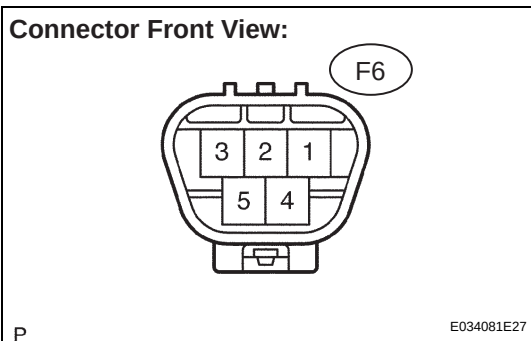
- Using a screwdriver, and disengage the meshing of rod at the crank arm pivot of the windshield wiper motor assembly.



- Using a screwdriver, and disengage the meshing of rod at the crank arm pivot of the windshield wiper motor assembly.



- Using a torx socket wrench, remove the 2 torx bolts and the windshield wiper motor assembly.



INSPECTION

1. INSPECT WINDSHIELD WIPER MOTOR ASSEMBLY

- LO Operation Check
 - Connect the battery (+) to terminal 1 (+1) of the connector, the battery (-) to terminal 5 (E) of the connector, and check that the motor operates at low speed (LO).

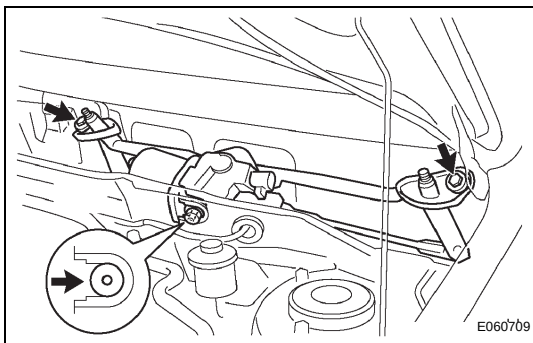
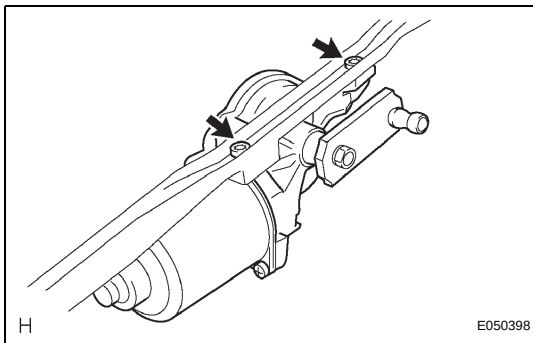
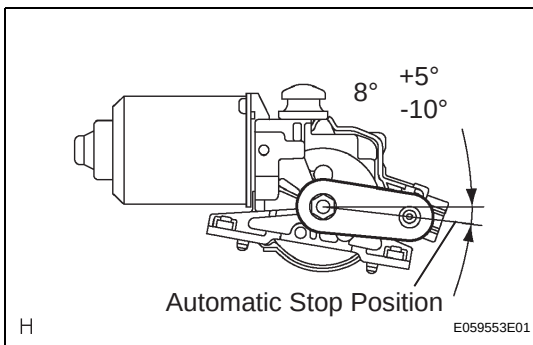
- (b) HI Operation Check
 - (1) Connect the battery (+) to terminal 4 (+2) of the connector, the battery (-) to terminal 5 (E) of the connector, and check that the motor operates at high speed (HI).
- (c) Automatic Stop Operation Check
 - (1) Connect the battery (+) to terminal 1 (+1) of the connector, the battery (-) to terminal 5 (E) of the connector. With the motor being rotated at low speed (LO), disconnect terminal 1 (+1) to stop the wiper motor operation at any position except the automatic stop position.
 - (2) Using SST, connect terminal 1 (+1) and 3 (S), and the battery (+) to terminal 2 (B) to restart the motor operation at low speed (LO).

SST 09843-18040

- (3) Check the automatic stop position.

OK:

See the illustration.



INSTALLATION

1. INSTALL WINDSHIELD WIPER MOTOR ASSEMBLY

- (a) Apply MP grease to the crank arm pivot of the windshield wiper motor assembly.
- (b) Using a torx socket wrench, install the windshield wiper motor assembly with the 2 bolts.

Torque: 7.5 N*m (76 kgf*cm, 66 in.*lbf)

2. INSTALL WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

- (a) Temporarily install the windshield wiper motor & link assembly by engaging the pin.
- (b) Install the windshield wiper motor and link assembly with the 2 bolts.

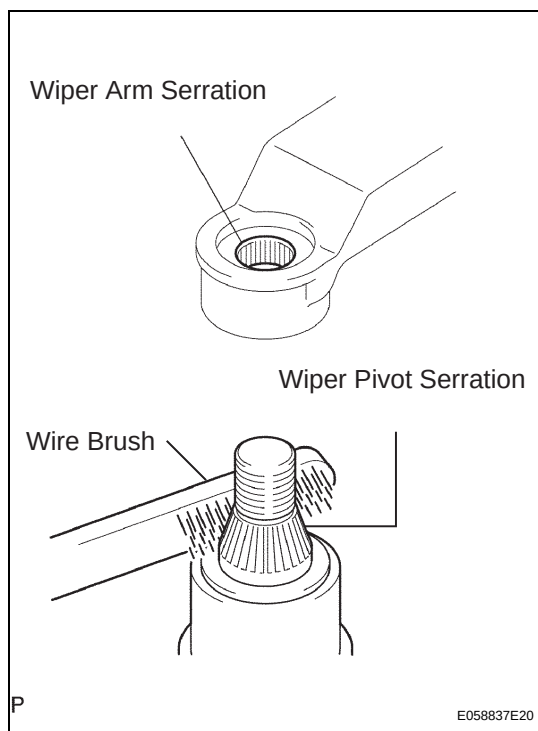
Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)

- (c) Connect the connector.

3. INSTALL COWL TOP VENTILATOR LOUVER LH

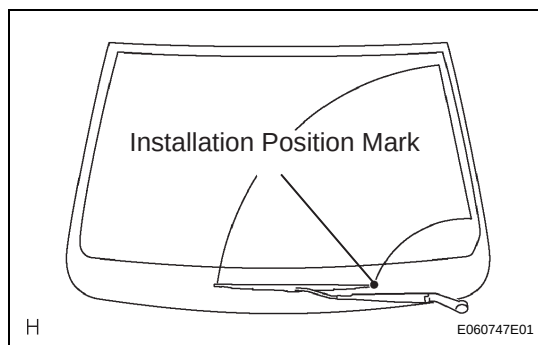
4. INSTALL COWL TOP VENTILATOR LOUVER RH

5. INSTALL HOOD TO COWL TOP SEAL



6. INSTALL FRONT WIPER ARM AND BLADE ASSEMBLY LH

- Clean the wiper arm serrations.
- Clean the wiper pivot serrations with a wire brush (when reinstalling).

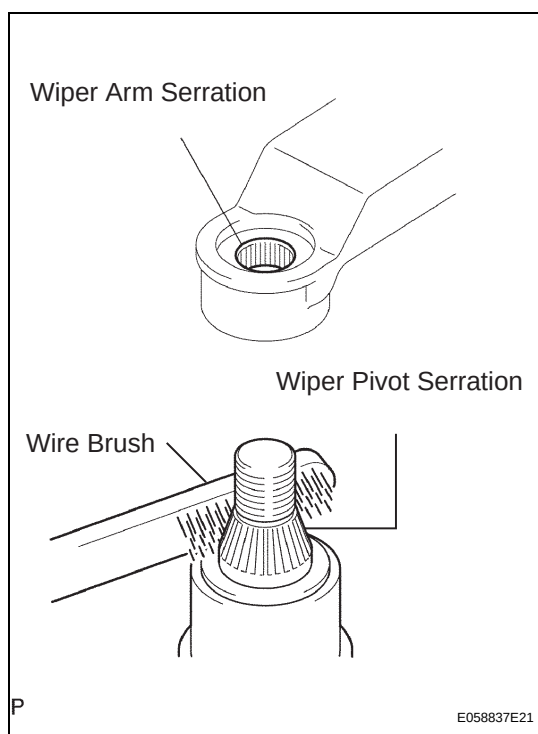


- Install the front wiper arm & blade assembly LH with the nut to the position shown in the illustration.

Torque: 21 N*m (214 kgf*cm, 15 ft.*lbf)

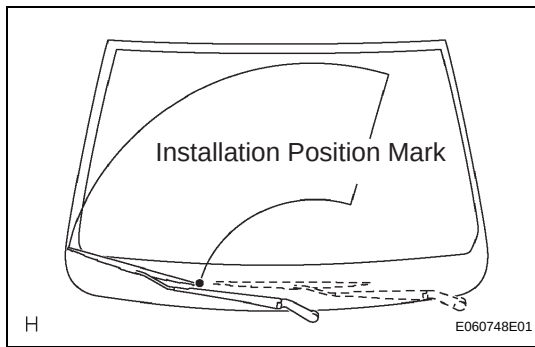
HINT:

Hold down the arm hinge by hand in order to fasten the nut.



7. INSTALL FRONT WIPER ARM AND BLADE ASSEMBLY RH

- Clean the wiper arm serrations.
- Clean the wiper pivot serrations with a wire brush (when reinstalling).



- (c) Install the front wiper arm & blade assembly RH with the nut to the position shown in the illustration.

Torque: 21 N*m (214 kgf*cm, 15 ft.*lbf)

HINT:

Hold down the arm hinge by hand in order to fasten the nut.

- (d) Operate the wipers while spraying water or washer fluid on the glass. Ensure that the wipers function properly and there is no interference with the body.

8. INSTALL WINDSHIELD WIPER ARM COVER