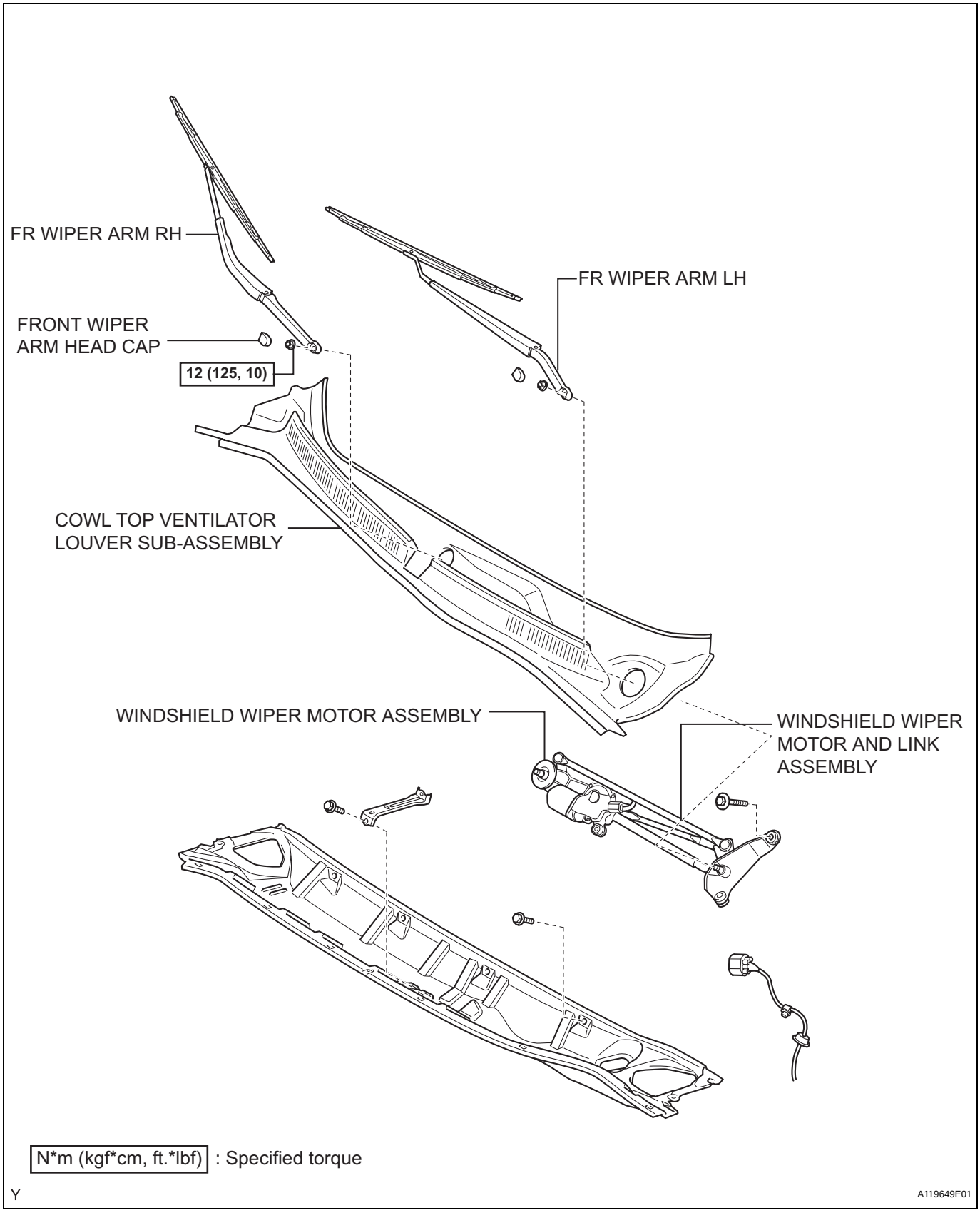
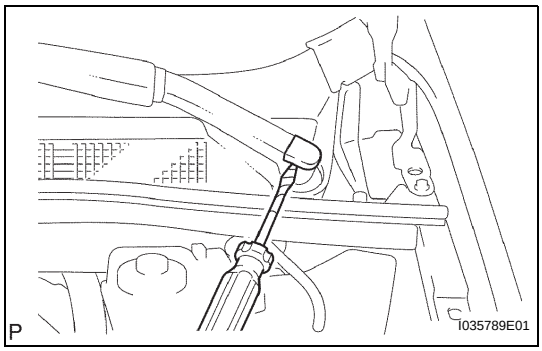
FRONT WIPER MOTOR

COMPONENTS



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REMOVAL

1. REMOVE FRONT WIPER ARM HEAD CAP

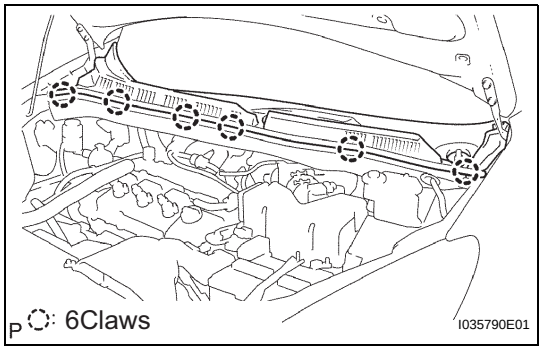
(a) Using a small screwdriver, remove the 2 front wiper arm covers.
HINT:
Tape up the screwdriver tip before use.

2. REMOVE FR WIPER ARM RH

(a) Operate the wiper, and stop the windshield wiper motor assembly to the automatic stop position.
(b) Remove the nut and the FR wiper arm RH.

3. REMOVE FR WIPER ARM LH

(a) Remove the nut and the FR wiper arm LH.

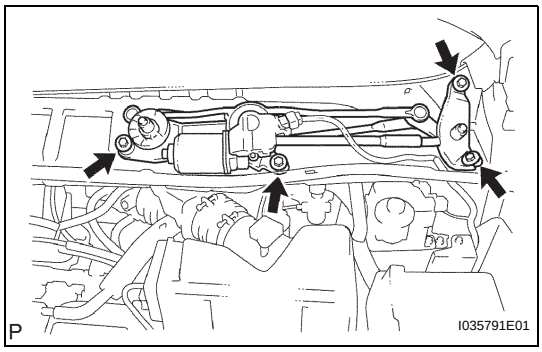


4. REMOVE COWL TOP VENTILATOR LOUVER SUB-ASSEMBLY

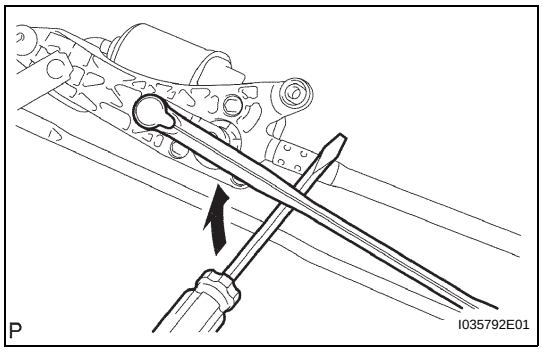
(a) Remove the 6 claws and the cowl top ventilator louver sub-assembly.

5. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

(a) Disconnect the connector.



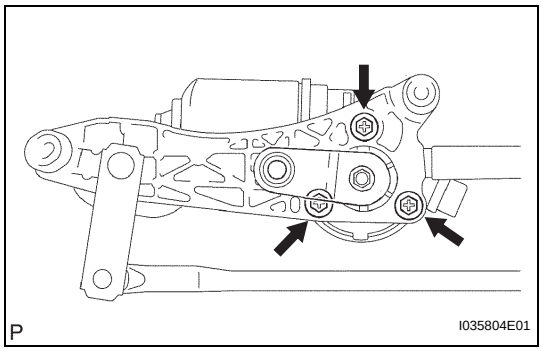
(b) Remove the 4 bolts and wiper motor & link assembly.



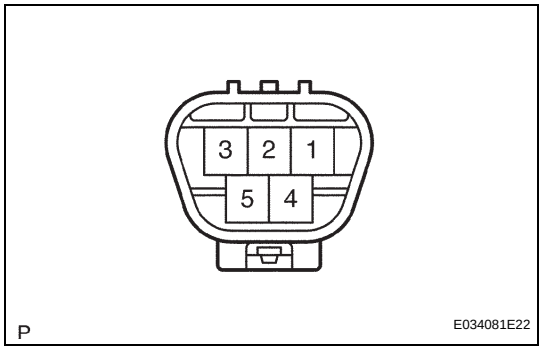
6. REMOVE WINDSHIELD WIPER MOTOR ASSEMBLY

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

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(b) Remove the 3 bolts and windshield wiper motor assembly from the windshield wiper link assembly.
HINT:
Turning the crank arm by hand prior to the operation will be able to remove the wiper motor easier.



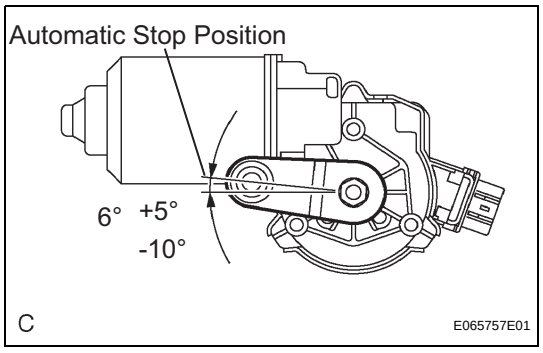
INSPECTION

1. INSPECT WINDSHIELD WIPER MOTOR ASSEMBLY

(a) LO Operation Check
(1) Connect the battery (+) to the terminal 1 (+1) of the connector, the battery (-) to the 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 the terminal 4 (+2) of the connector, the battery (-) to the 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 the terminal 1 (+1) of the connector, the battery (-) to the 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 the terminal 1 (+1) and 3 (S), and the battery (+) to the terminal 2 (B) to restart the motor operation at low speed (LO).
SST 09843-18040
(3) Check the automatic stop position.
Standard:
See the illustration.



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