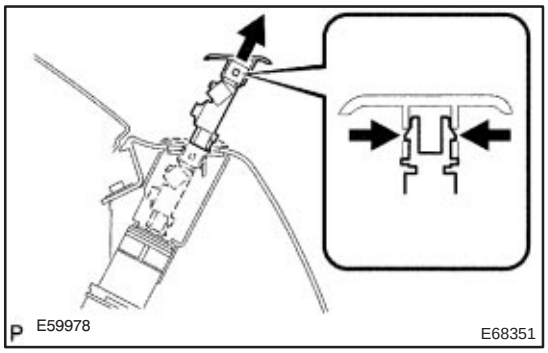
HEADLAMP WASHER ACTUATOR SUB–ASSY LH

660CS–01

REPLACEMENT

1. REMOVE FRONT BUMPER COVER (See page 76–3)

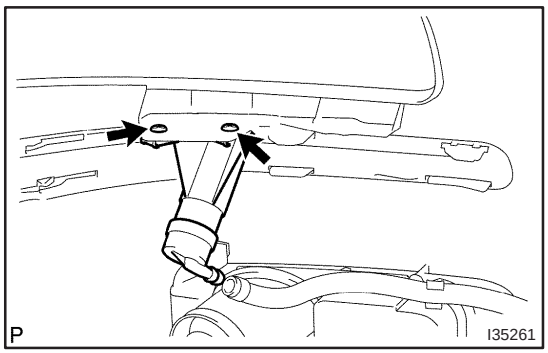


2. REMOVE HEADLAMP WASHER ACTUATOR SUB–ASSY LH

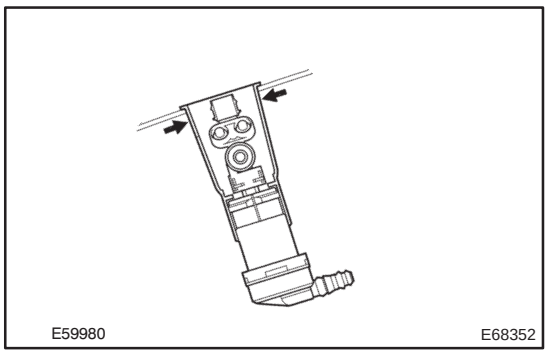
(a) Separate the headlamp cleaner hose from the headlamp washer actuator sub–assy.

(b) Pull out the headlamp cleaner washer nozzle.

(c) Disengage the 2 claws, remove the headlamp cleaner washer nozzle.



(d) Remove the 2 bolts.



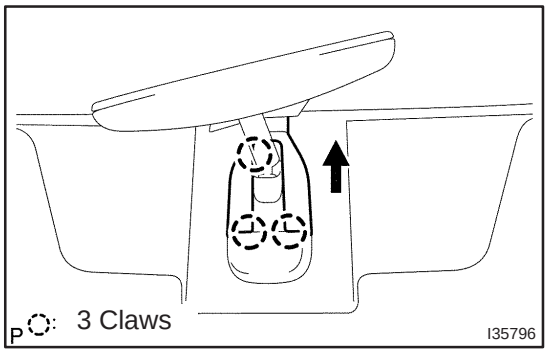
(e) Deform the upper part of the headlamp washer actuator sub–assy LH, to remove it.

RAIN SENSOR

660CT–02

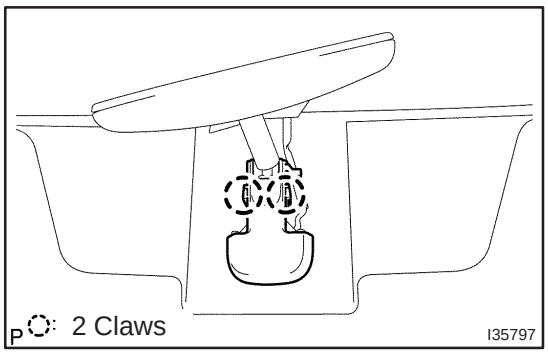
REPLACEMENT

1. REMOVE INNER REAR VIEW MIRROR STAY HOLDER COVER

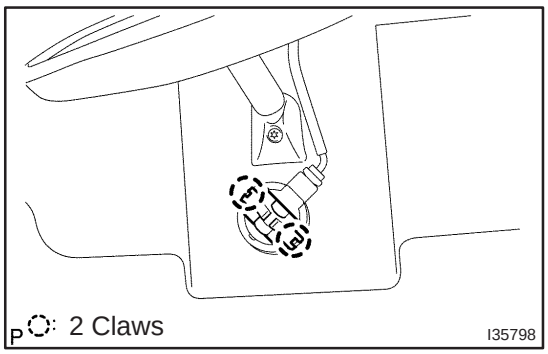


2. REMOVE RAIN SENSOR

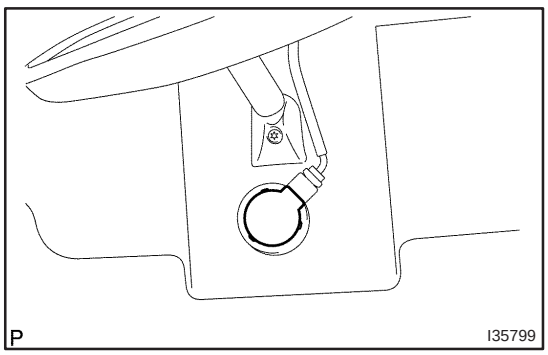
(a) Disengage the 3 claws and remove the mirror stay holder cover.



(b) Disengage the 2 claws and remove the rain sensor cover.
(c) Disconnect the connector.



(d) Disengage the 2 claws and remove the rain sensor spring cover.



(e) Remove the rain sensor.

3. INSTALL RAIN SENSOR

(a) Install the rain sensor and rain sensor spring cover.
(b) Connect the connector and install the rain sensor cover and the mirror stay holder cover.

NOTICE:

- **Check if there is any SilGel, which of the rain sensor that has been removed, left on the windshield glass and remove it if there is any.**
- **Clean the dirt on the glass with a cloth etc.**
- **When installing a new rain sensor, peel the transparent protective cap off the SilGel first.**
- **Be careful not to let any air bubble in the rain sensor when installing it.**

REAR WIPER MOTOR ASSY

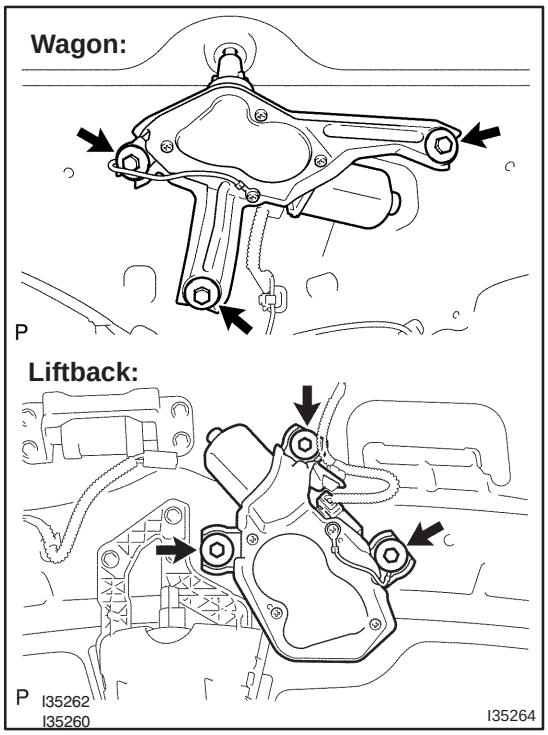
660CO–02

REPLACEMENT

1. REMOVE REAR WIPER ARM ASSY

(a) Remove the nut and the rear wiper arm.

2. REMOVE BACK DOOR TRIM BOARD ASSY (See page LIFTBACK 75–40, WAGON 75–45)



3. REMOVE REAR WIPER MOTOR ASSY

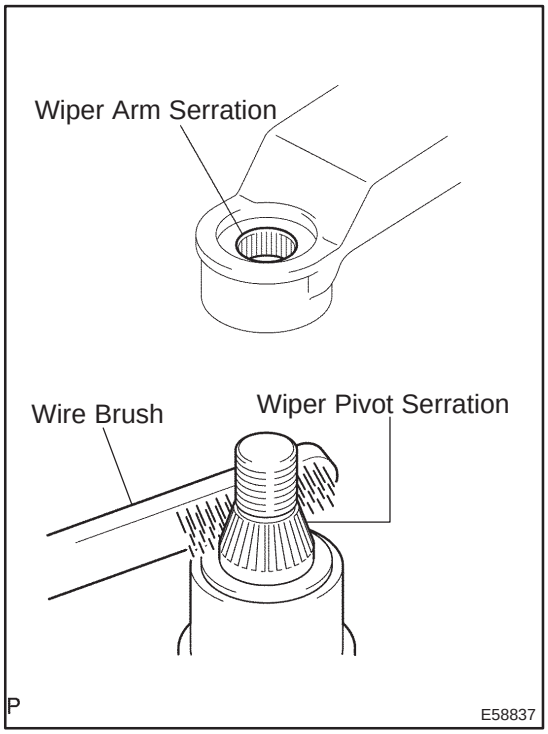
(a) Remove the 3 bolts.

(b) Disconnect the connector, and remove the rear wiper motor assy.

4. INSTALL REAR WIPER MOTOR ASSY

(a) Install the rear wiper motor assy with the 3 bolts.
Torque: 5.5 N·m (56 kgf·cm, 49 in.·lbf)

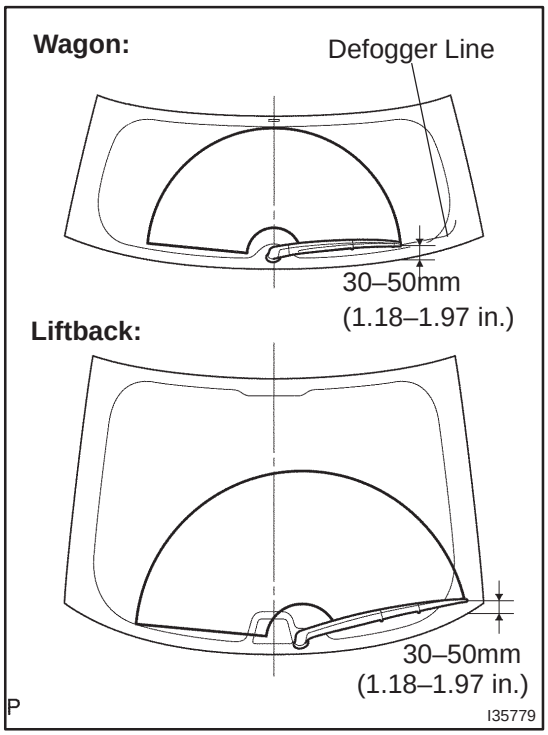
(b) Connect the connector.



5. INSTALL REAR WIPER ARM ASSY

(a) Scrape off the serration part of the wiper arm with a round file or equivalent.

(b) Clean the rear wiper pivot serration with a brush.



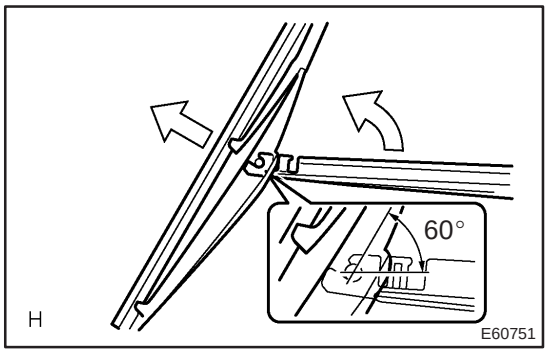
(c) Stop the rear wiper motor assy to the automatic stop position. Install the rear wiper arm to the position as shown in the illustration.

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

REAR WIPER RUBBER

660CQ–01

REPLACEMENT



1. REMOVE REAR WIPER BLADE ASSY

(a) Remove the rear wiper arm head cap.

(b) Raise the rear wiper blade to the position as shown in the illustration where the meshing of the claw is disengaged with the click sound.

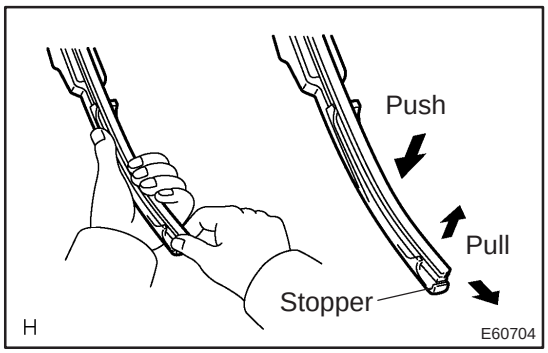
NOTICE:

Be careful not to break the claw.

(c) Pull the rear wiper blade straight from the wiper arm toward the left side of the vehicle.

NOTICE:

Do not fold the rear wiper arm with the rear wiper blade being removed from it.



2. REMOVE REAR WIPER RUBBER

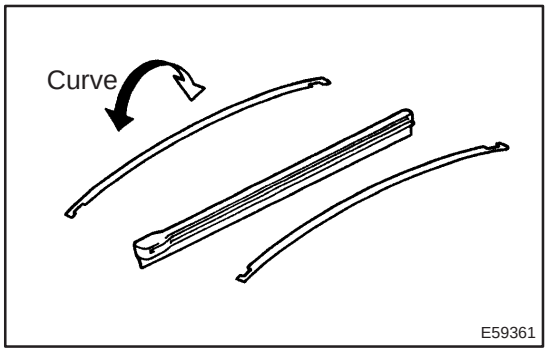
(a) Pull the end of the rubber protruded from the blade stopper as shown in the illustration.

NOTICE:

Do not pull out the wiper rubber forcibly. Otherwise, the backing plates are deformed or blade claw is damaged.

HINT:

Pushing the position close to the middle of the blade raises the rubber, making easier to pull the rubber out.

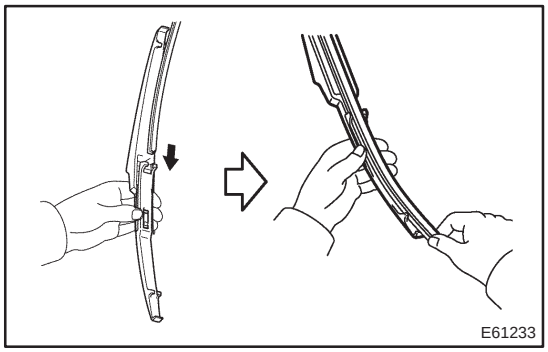


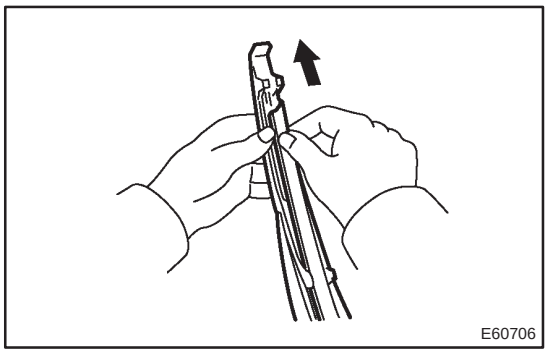
3. INSTALL REAR WIPER RUBBER

(a) Install the 2 wiper rubber backing plates to the rear wiper rubber.

NOTICE:

Be sure to install the wiper rubber backing plates in the right direction.





(b) Insert the rear wiper rubber from the claw position of the middle of the rear wiper blade into the end position.

(c) After passing the rear wiper rubber through the rear end side claw, protrude it from the rear end stopper and pass it through the front tip side claw.

WASHER NOZZLE SUB–ASSY

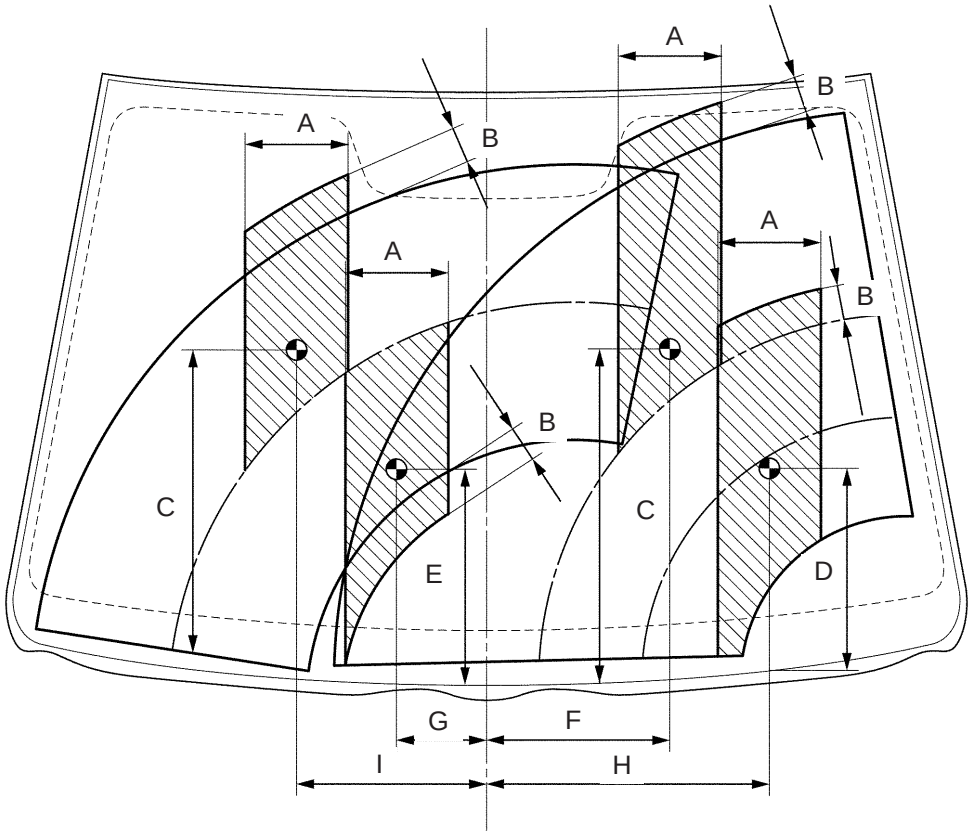
660CU–01

ADJUSTMENT

1. REMOVE WASHER NOZZLE SUB–ASSY

(a) With the engine running, check that the point where the washer fluid hits the windshield and the rear window is within the range indicated by the hatched line.

Front:

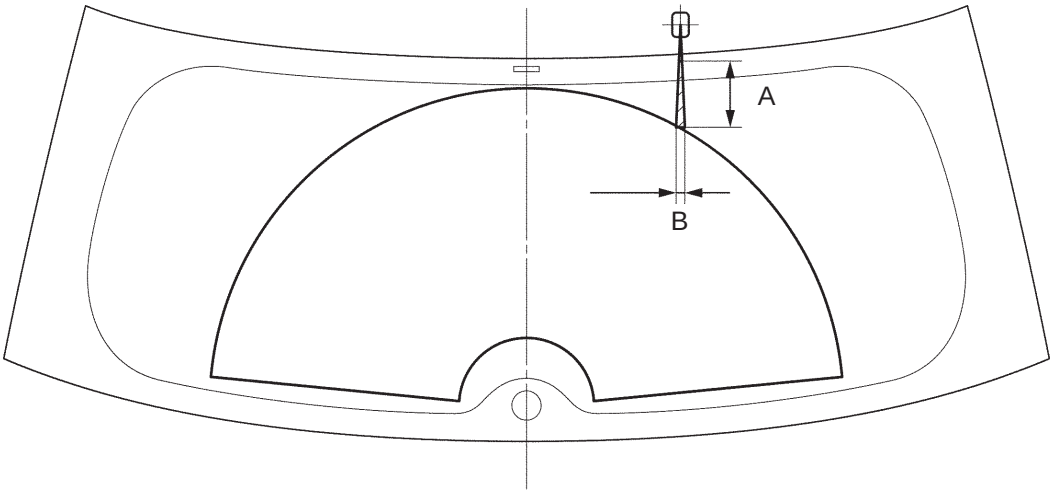


A: 150 mm (5.91 in.)
B: 50 mm (1.97 in.)
C: 480 mm (18.90 in.)
D: 295 mm (11.61 in.)
E: 310 mm (12.21 in.)
F: 275 mm (10.83 in.)
G: 130 mm (5.12 in.)
H: 420 mm (16.54 in.)
I: 280 mm (11.02 in.)

P

I35778

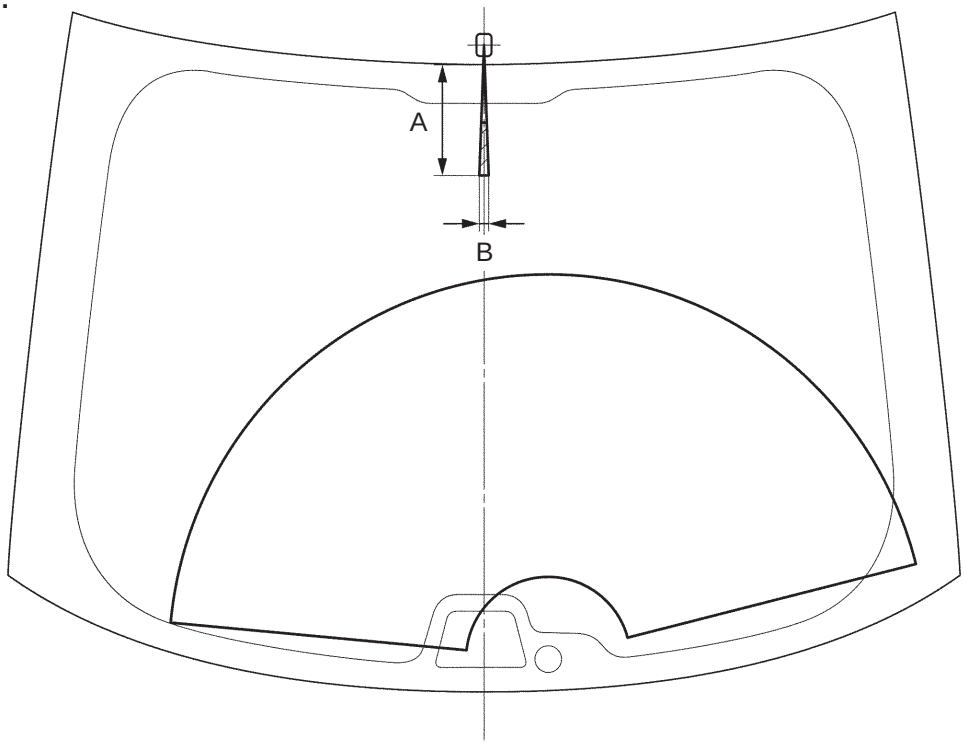
Rear (Wagon):



A: 80.3 mm (3.16 in.)
B: 8.3 mm (0.33 in.)

P

Rear (Liftback):



A: 66.5 mm (2.62 in.)
B: 9.8 mm (0.39 in.)

P

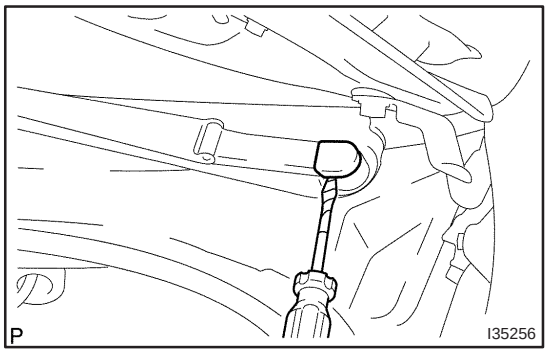
I35780
I35781

I35926

WINDSHIELD WIPER MOTOR ASSY

REPLACEMENT

660CN–01



1. REMOVE FRONT WIPER ARM HEAD CAP

(a) Using a small screwdriver, remove the 2 front wiper arm head cap.

HINT:

Tape up the screwdriver tip before use.

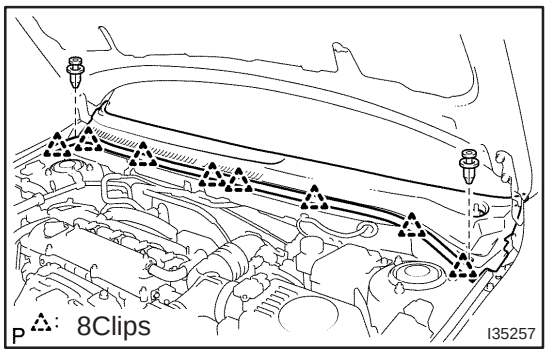
2. REMOVE FR WIPER ARM RH

(a) Operate the wiper, and stop the windshield wiper motor assy to the automatic stop position.

(b) Remove the nut and the FR wiper arm RH.

3. REMOVE FR WIPER ARM LH

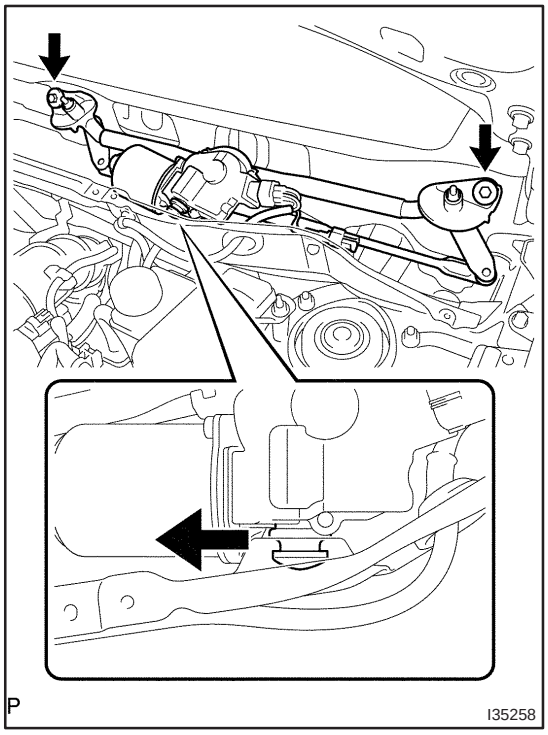
(a) Remove the nut and the FR wiper arm LH.



4. REMOVE COWL TOP VENTILATOR LOUVER

(a) Disengage the 8 clips, and remove the hood cowl top seal.

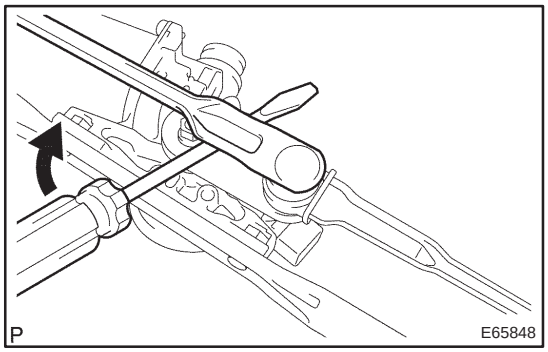
(b) Remove the 2 clips, and the cowl top ventilator louver.



5. REMOVE WINDSHIELD WIPER MOTOR & LINK ASSY

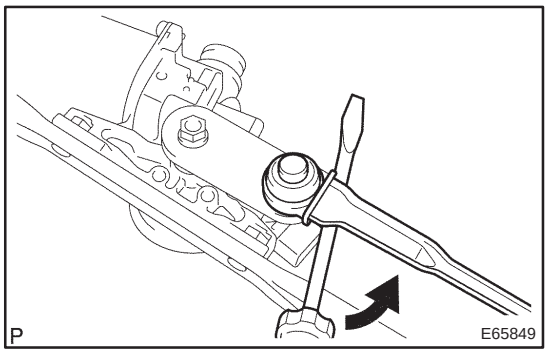
(a) Disconnect the connector, and remove the 2 bolts.

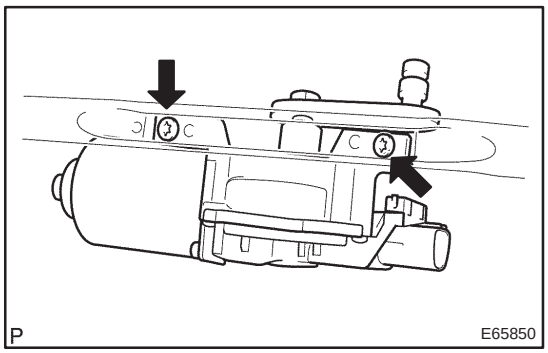
(b) Slide the wiper link assy to vehicle's passengers side. Disengage the meshing of the rubber pin, and remove the wiper motor & link assy.



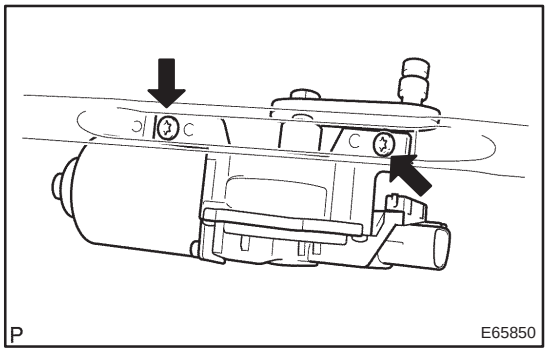
6. REMOVE WINDSHIELD WIPER MOTOR ASSY

(a) Using a screwdriver, disengage the meshing of 2 rods at the crank arm pivot of the windshield wiper motor assy.





(b) Remove the 2 torx bolts and the windshield wiper motor assy.

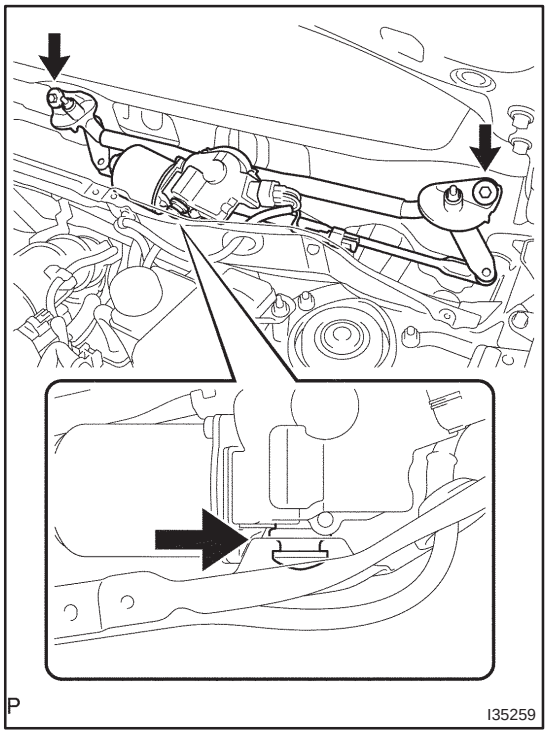


7. INSTALL WINDSHIELD WIPER MOTOR ASSY

(a) Apply MP grease to the crank arm pivot of the windshield wiper motor assy.

(b) Install the windshield wiper motor assy to the windshield wiper link assy with the 2 torx bolts.

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



8. INSTALL WINDSHIELD WIPER MOTOR & LINK ASSY

(a) Install the meshing of the rubber pin.

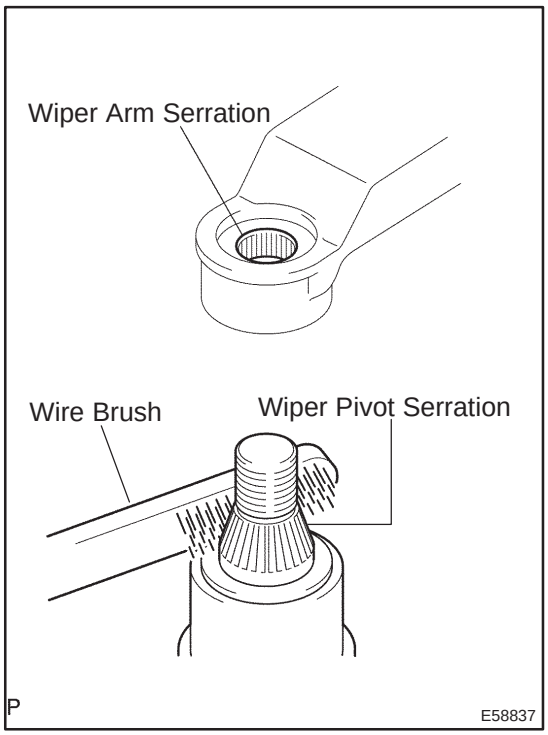
(b) Install the windshield wiper motor & link assy with the 2 bolts.

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

(c) Connect the connector.

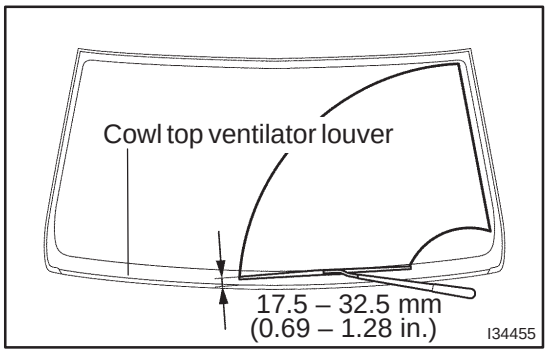
9. INSTALL FR WIPER ARM LH

(a) Operate the wiper, and stop the windshield wiper motor assy to the automatic stop position.



(b) Scrape off the serration part of the wiper arm with a round file or equivalent.

(c) Clean the wiper pivot serration with a wire brush.



(d) Install the front wiper arm LH with the nut to the position shown in the illustration.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

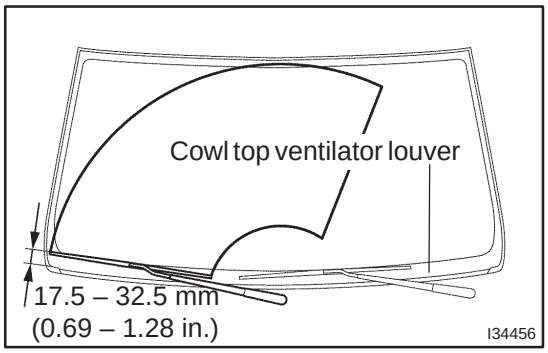
HINT:

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

10. INSTALL FR WIPER ARM RH

(a) Scrape off the serration part of the wiper arm with a round file or equivalent.

(b) Clean the wiper pivot serration with a wire brush.



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

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

HINT:

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

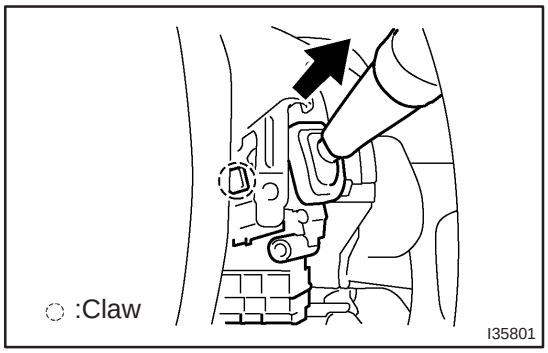
(d) Operate the wiper while running the water or the washer fluid over the window, and check the wiping condition and that the front wiper does not hit against the vehicle body.

WINDSHIELD WIPER SWITCH ASSY

660CR–01

REPLACEMENT

1. REMOVE STEERING COLUMN COVER LWR (See page 65–27)



2. REMOVE WINDSHIELD WIPER SWITCH ASSY

(a) Disconnect the connector.

(b) Using a screwdriver, disengage the claw and pull out the windshield wiper switch assy.

NOTICE:

The claw will be broken if pressed hard.

HINT:

Tape up the screwdriver tip before use.

WIPER AND WASHER SYSTEM

6605E–03

PRECAUTION

1. PRECAUTION OF WASHER NOZZLE ADJUSTMENT

(a) Do not clean or adjust the washer nozzle with a safety pin, etc. because;
  (1) the washer nozzle tip is made of resin and could be damaged.
  (2) adjustment is not necessary because the washer nozzle is a jet type.

(b) If the washer nozzle is clogged with wax etc., remove the objects and clean the nozzle hole with a soft resin brush, etc.

660CK–01

PROBLEM SYMPTOMS TABLE

1. FRONT WIPER AND WASHER SYSTEM (W/O AUTO WIPER SYSTEM)

Symptom	Suspect Area	See page
Front wipers and washers do not operate.	1. IG relay 2. WIP fuse 3. Windshield wiper switch assy 4. Wire harness or connector	– – 66–6 –
Front wipers do not operate in LO or HI.	1. Windshield wiper switch assy 2. Windshield wiper motor assy 3. Wire harness or connector	66–6 66–6 –
Front wipers do not operate in INT.	1. Windshield wiper switch assy 2. Windshield wiper motor assy 3. Wire harness or connector	66–6 66–6 –
Front washer motor does not operate.	1 Windshield washer switch assy 2. Windshield washer motor assy 3. Wire harness or connector	66–6 66–6 –
Front wipers does not operate when washer switch in ON.	1. Windshield wiper switch assy 2. Windshield wiper motor assy 3. Wire harness or connector	66–6 66–6 –
Washer fluid does not operate.	Washer hose and nozzle	–
● When front wiper switch is in HI position, the wiper blade is in contact with the body. ● When the front wiper switch is OFF, the wiper blade does not retract or the retract position is wrong.	1. Windshield wiper motor assy 2. Front wiper arm installation position	66–6 66–13

2. FRONT WIPER AND WASHER SYSTEM (W/ AUTO WIPER SYSTEM)

Symptom	Suspect Area	See page
Front wipers and washer do not operate.	1. IG1 relay 2. WIP fuse 3. Windshield wiper switch assy 4. Windshield wiper relay assy 5. Wire harness or connector	– – 66–6 66–6 –
Front wipers does not operate in LO (Auto wiper system is normal).	Windshield wiper switch assy	66–6
Front wipers does not operate in HI (Auto wiper system is normal).	1. Windshield wiper switch assy 2. Wire harness or connector	66–6 –
Front washer motor does not operate.	1. Windshield wiper switch assy 2. Windshield washer motor assy 3. Wire harness or connector	66–6 66–6 –
Auto wiper system does not operate.	1. Windshield wiper switch assy 2. Windshield wiper relay assy 3. Rain sensor 4. Wire harness or connector	66–6 66–6 66–4 –

3. REAR WIPER AND WASHER SYSTEM

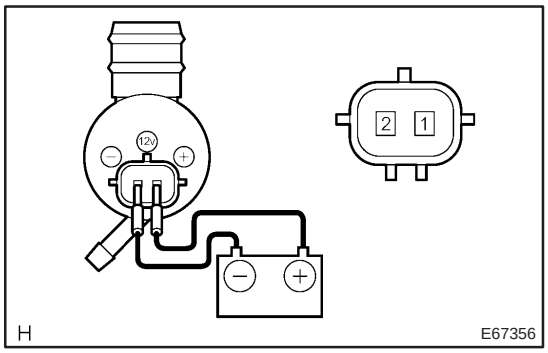
Symptom	Suspect Area	See page
Rear wiper and washers do not operate.	1. AMI fuse 2. RR WIP fuse 3. Windshield wiper switch assy 4. Wire harness or connector	– – 66–6 –
Rear wiper does not operate in INT.	1. Windshield wiper switch assy 2. Rear wiper motor assy 3. Wire harness or connector	66–6 66–6 –
Rear washer motor does not operate.	1. Windshield washer switch assy 2. Rear washer motor assy 3. Wire harness or connector	66–6 66–6 –
Rear wiper does not operate when washer switch is in ON.	1. Windshield wiper switch assy 2. Rear wiper motor assy 3. Wire harness or connector	66–6 66–6 –
Rear washer fluid does not operate.	Washer hose and nozzle	–
• When rear wiper switch is in ON position, the wiper blade is in contact with the body. • When the wiper switch is OFF, the wiper blade does not retract or the retract position is wrong.	1. Rear wiper motor assy 2. Rear wiper blade installation position	66–6 66–17

4. HEADLAMP CLEANER SYSTEM

Symptom	Suspect Area	See page
Headlamp cleaner system does not operate.	1. H/CLN fuse 2. Headlamp cleaner switch assy 3. Windshield wiper switch assy (w/ HID) 4. Headlamp cleaner control relay 5. Intergeneration Relay 6. Wire harness or connector	– 66–6 66–6 66–6 – –

660CL–01

ON–VEHICLE INSPECTION

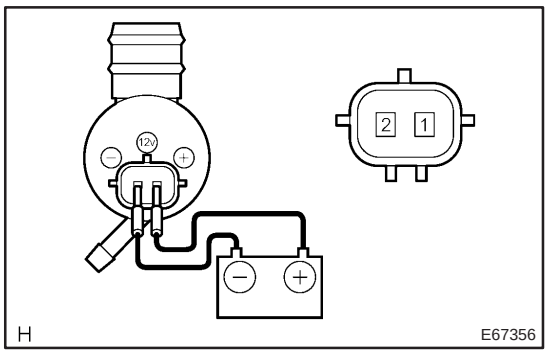


1. WINDSHIELD WASHER MOTOR AND PUMP ASSY

(a) Operation Check

(1) Pour the washer fluid into the washer jar with the washer motor and the pump installed to the washer jar assy.

(2) Connect the battery (+) to the terminal 1 of the windshield washer motor and pump assy, the battery (–) to the terminal 2 of the windshield washer motor and pump assy. Check that the washer fluid comes out from the washer jar.

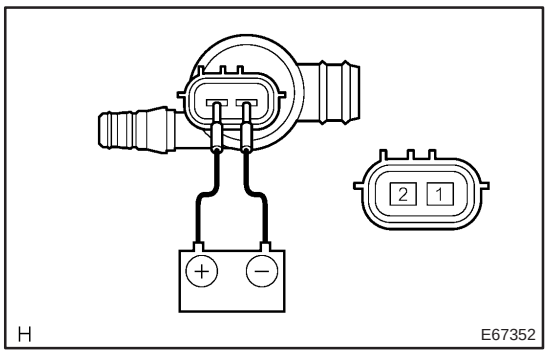


2. REAR WASHER MOTOR ASSY

(a) Operation Check

(1) Pour the washer fluid into the washer jar with the washer motor and the pump installed to the washer jar assy.

(2) Connect the battery (+) to the terminal 1 of the rear washer motor assy, the battery (–) to the terminal 2 of the rear washer motor assy. Check that the washer fluid comes out from the washer jar.

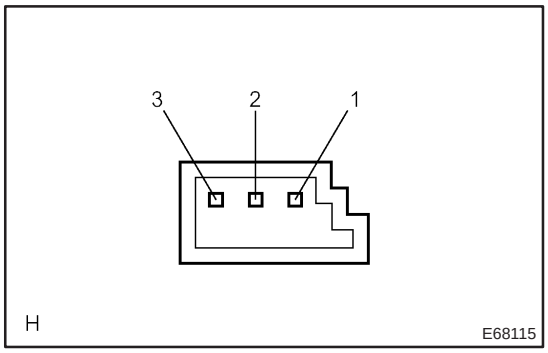


3. HEADLAMP CLEANER MOTOR AND PUMP ASSY

(a) Operation Check

(1) Pour the washer fluid into the washer jar with the washer motor and the pump installed to the washer jar assy.

(2) Connect the battery (+) to the terminal 2 of the headlamp cleaner motor and pump assy, the battery (–) to the terminal 1 of the headlamp cleaner motor and pump assy. Check that the washer fluid comes out from the washer jar.

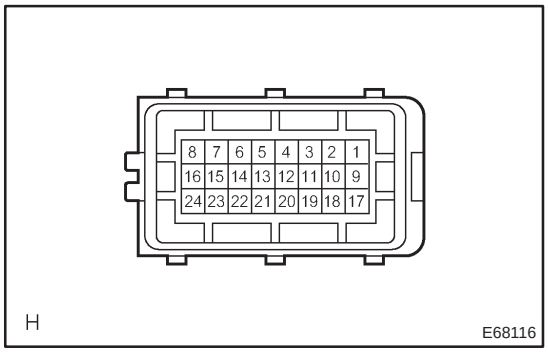


4. RAIN SENSOR

(a) Check voltage of each terminal of the connector

Standard:

Tester connection	Condition	Specified voltage
2 – 3	Rain sensor is covered by hand	Signal waveform



5. WINDSHIELD WIPER RELAY ASSY

(a) Check voltage of each terminal of the connector

Standard:

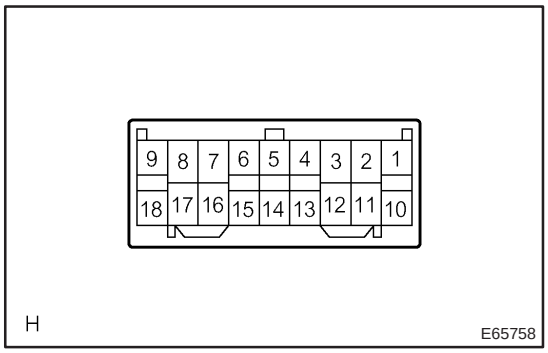
Tester connection	Condition	Specified voltage
1 (+B) – Body ground	Ignition switch OFF → ON	0 → 10 to 14 V
2 (RSI) – Body ground	Rain sensor is covered by hand	Signal waveform
4 (WF) – Body ground	Front washer switch OFF → ON	10 to 14 V → 0 V
8 (+2) – Body ground	Front wiper is in high speed operation (When front wiper switch is in AUTO position)	10 to 14 V
9 (F1) – Body ground	Front wiper switch OFF → AUTO	10 to 14 V → 0 V
11 (F2) – Body ground	Front wiper switch OFF → AUTO	0 → 10 to 14 V
12 (WF) – Body ground	Front washer switch OFF→ ON	10 to 14 V → 0 V
16 (+1) – Body ground	Front wiper is in 10 speed operation (when front wiper switch is in AUTO position)	10 to 14 V
17 (+S) – Body ground	Always	Below 1 V
19 (SP) – Body ground	Ignition switch OFF → ON	0 V → 10 to 14 V
20 (VR1) – Body ground	Ignition switch OFF → ON	0 V → 10 to 14 V
22 (E) – Body ground	Always	Below 1 V
23 (SG) – Body ground	Always	Below 1 V
24 (VP2) – Body ground	Ignition switch is ON and rain sensor adjust switch is in (+) position → (–) position	Signal waveform

6. AUTO WIPER SYSTEM OPERATION CHECK

(a) Spray once at the area where the rain sensor is placed, then the wiper blades immediately will carry out a wiping cycle. If the water is continuos sprayed to the rain sensor area of the windscreen, the wiper blades first should carry out interval mode, then change to low speed and finally reach high speed after a few seconds.

By stopping spraying water to the screen the wiper blade changing back their speed until they stop wiping.

INSPECTION



1. WINDSHIELD WIPER SWITCH ASSY (W/O RAIN SENSING WIPER)

(a) Continuity Check

(1) Check the continuity between each of the terminals of the connector.

Standard:

Front Wiper Switch

Switch position	Tester connection	Specified condition
MIST	7 (+1) – 17 (+B)	Continuity
OFF	7 (+1) – 16 (+S)	Continuity
INTO	7 (+1) – 16 (+S)	Continuity
LO	7 (+1) – 17 (+B)	Continuity
HI	8 (+2) – 17 (+B)	Continuity

Rear Wiper Switch (w/ Rear Wiper)

Switch position	Tester connection	Specified condition
OFF	–	No Continuity
INTO	2 (EW) – 4 (C1R)	Continuity
ON	2 (EW) – 10 (+1R)	Continuity

Front Washer Switch

Switch position	Tester connection	Specified condition
OFF	–	No continuity
ON	2 (EW) – 11 (WF)	Continuity

Rear Washer Switch (w/ Rear Wiper)

Switch position	Tester connection	Specified condition
OFF	–	No continuity
ON (Rear wiper switch OFF position side)	2 (EW) – 3 (WR)	Continuity
ON (Rear wiper switch ON position side)	2 (EW) – 3 (WR), 2 (EW) – 10 (+1R)	Continuity

(b) Intermittent Operation Check

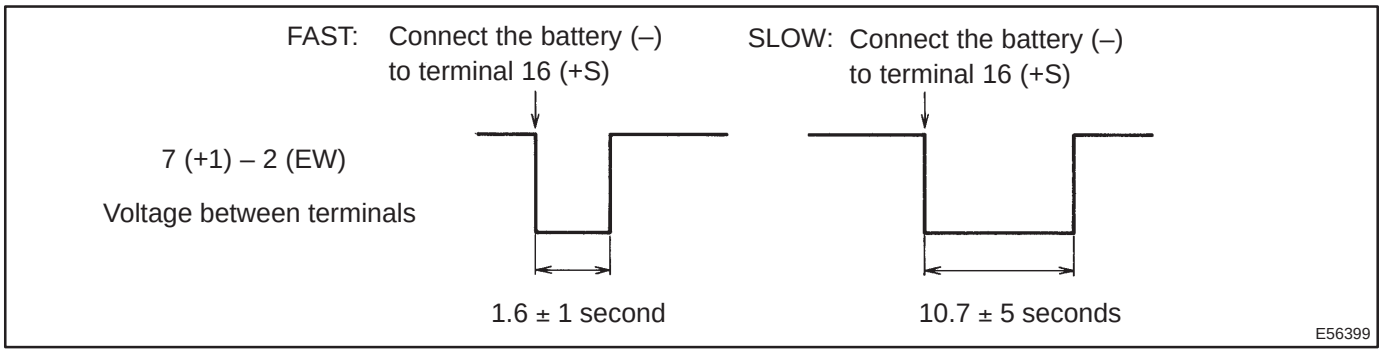
(1) Connect the voltmeter (+) terminal to the terminal 7 (+1) of the connector and the voltmeter (–) terminal to the terminal 2 (EW) of the connector.

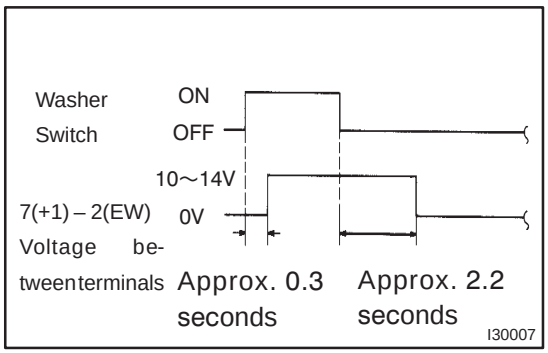
(2) Connect the battery (+) to the terminal 17 (+B) of the connector and the battery (–) to the terminal 2 (EW) and the terminal 16 (+S) of the connector.

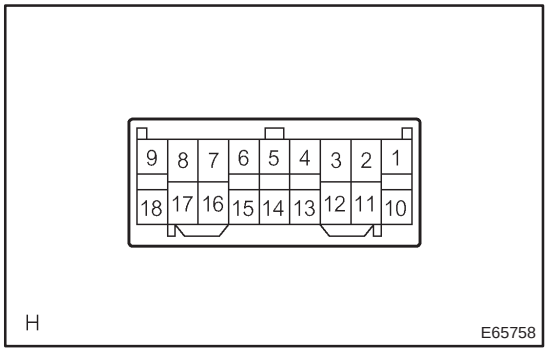
(3) Turn the wiper switch into INT position.

(4) Connect the battery (+) to the terminal 16 (+S) of the connector for 5 seconds.

(5) Connect the battery (–) to the terminal 16 (+S) of the connector. Operate the intermittent wiper relay and check voltage between terminal 7 (+1) and terminal 2 (EW).







(c) Operation Check (Front Wiper)

(1) Turn the wiper switch into OFF position.

(2) Connect the battery (+) to the terminal 17 (+B) of the connector, the battery (–) to the terminal 16 (+S) and the terminal 2 (EW) of the connecter.

(3) Connect the voltmeter (+) terminal to the terminal 7 (+1) of the connector and the voltmeter (–) terminal to the terminal 2 (EW) of the connector. Turn the washer switch ON and OFF, and check voltage between terminal 7 (+1) and terminal 2 (EW).

2. WINDSHIELD WIPER SWITCH ASSY (W/ RAIN SENSING WIPER)

(a) Continuity Check

(1) Check continuity of each terminal of the connector.

Standard:

Front Wiper Switch

Switch position	Tester condition	Specified condition
MIST	7 (+1) – 17 (+B)	Continuity
OFF	7 (+1) – 16 (+S)	Continuity
AUTO	7 (+1) – 16 (+S), 13 (AUTO) – 15 (E)	Continuity
LO	7 (+1) – (17+B)	Continuity
HI	8 (+2) – 17 (+B)	Continuity

Rear Wiper Switch (w/ Rear Wiper)

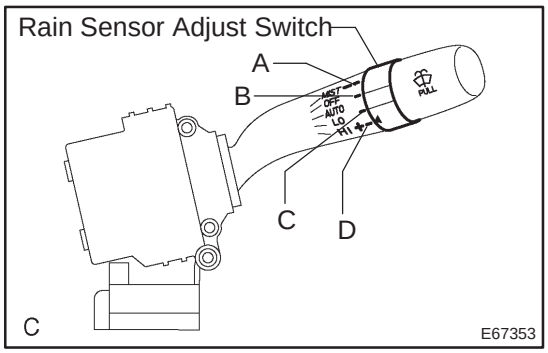
Switch position	Tester condition	Specified condition
OFF	–	No continuity
INT	2 (EW) – 4 (CIR)	Continuity
ON	2 (EW) – 10 (+1R)	Continuity

Front Washer Switch

Switch position	Tester condition	Specified condition
OFF	–	No continuity
ON	2 (EW) – 11 (WF)	Continuity

Rear Washer Switch (w/ Rear Wiper)

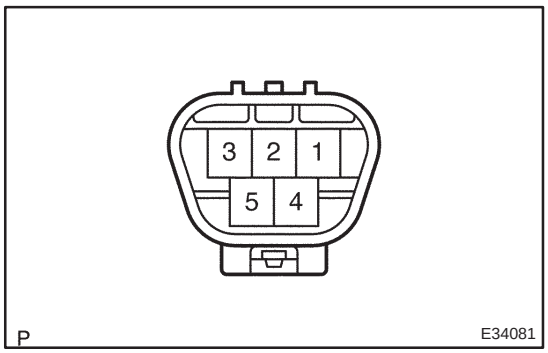
Switch position	Tester condition	Specified condition
OFF	–	No continuity
ON (Rear wiper switch OFF position side)	2 (EW) – 3 (WR)	Continuity
ON (Rear wiper switch ON position side)	2 (EW) – 10 (+1R)	Continuity



(b) Rain Sensor Adjust Switch Operation Check

(1) Check resistance between terminal of the terminal 12 (VR1) and the terminal 14 (VR2) when rain sensor adjust switch is operated.

Switch position	Resistance (Ω)
A position	∞
B position	432 to 528
C position	216 to 264
D position	0



3. WINDSHIELD WIPER MOTOR ASSY (LHD STEERING POSITION TYPE)

(a) LO Operation Check

(1) Connect the battery (+) to the terminal 1 (+1) of the connector and the battery (–) to the terminal 5 (E) of the connector, and check that the motor operates with low speed (LO).

(b) HI Operation Check

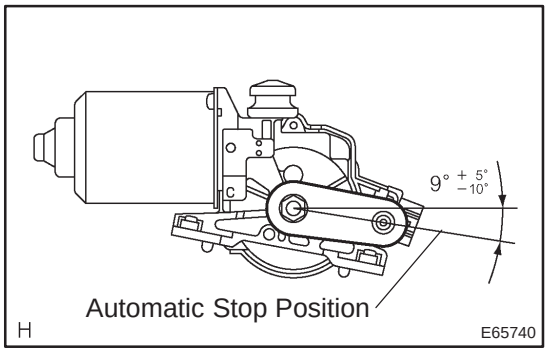
(1) Connect the battery (+) to the terminal 4 (+2) of the connector and the battery (–) to the terminal 5 (E) of the connector, and check that the motor operates with high speed (HI).

(c) Automatic Stop Operation Check

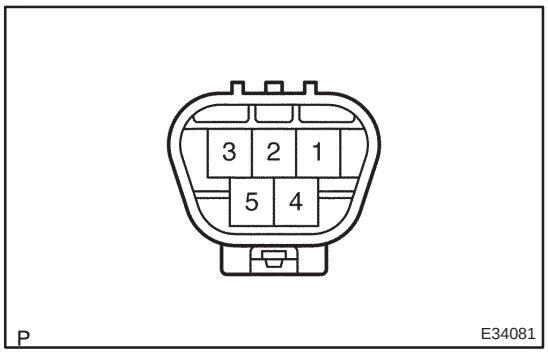
(1) Connect the battery (+) to the terminal 1 (+1) of the connector and the battery (–) to the terminal 5 (E) of the connector. With the motor being rotated at low speed (LO), disconnect the terminal 1 (+1) to stop the wiper motor operation at any position except the automatic stop position.

(2) Using SST, connect the terminal 1 (+1) and the terminal 3 (S), and the battery (+) to the terminal 2 (B) to restart the motor operation at low speed.

SST 09843–18040



(3) Check the automatic stop position.
Standard: See the illustration.

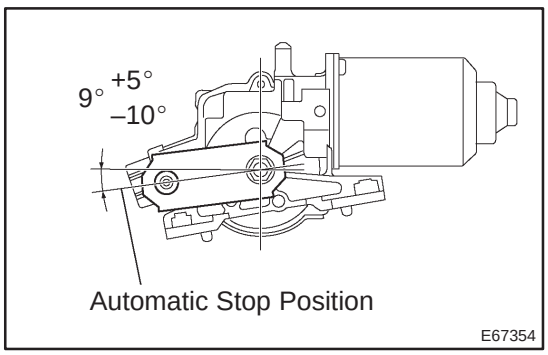


4. WINDSHIELD WIPER MOTOR ASSY (RHD STEERING POSITION TYPE)

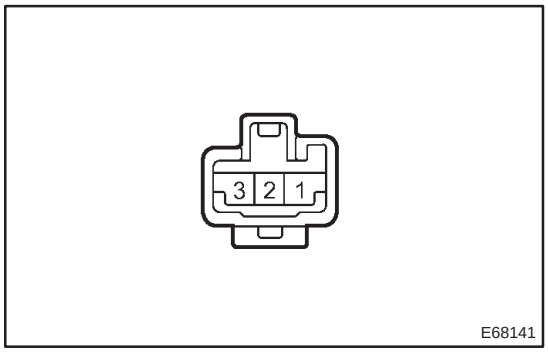
(a) LO Operation Check
(1) Connect the battery (+) to the terminal 5 (+1) of the connector and the battery (–) to the terminal 4 (E) of the connector, and check that the motor operates with low speed (LO).

(b) HI Operation Check
(1) Connect the battery (+) to the terminal 3 (+2) of the connector and the battery (–) to the terminal 4 (E) of the connector, and check that the motor operates with high speed (HI).

(c) Automatic Stop Operation Check
(1) Connect the battery (+) to the terminal 5 (+1) of the connector and the battery (–) to the terminal 4 (E) of the connector. With the motor being rotated at low speed (LO), disconnect the terminal 5 (+1) to stop the wiper motor operation at any position except the automatic stop position.
(2) Using SST, connect the terminal 5 (+1) and the terminal 1 (S), and the battery (+) to the terminal 2 (B) to restart the motor operation at low speed.
SST 09843–18040

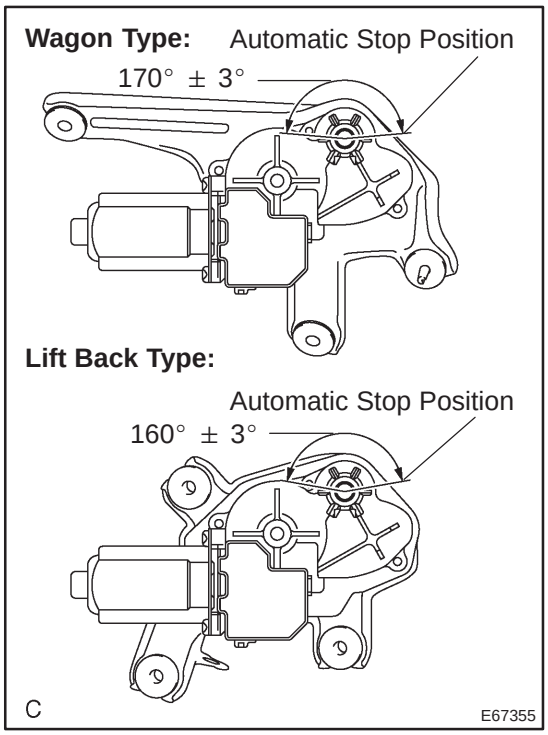


(3) Check the automatic stop position.
Standard: See the illustration.



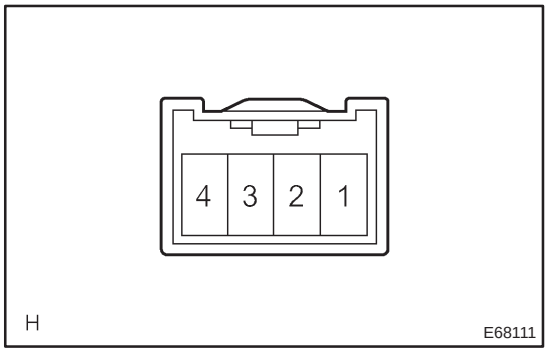
5. REAR WIPER MOTOR ASSY

(a) Connect the battery (+) to the terminal 1 (+B) of the connector, the battery (–) to the terminal 3 (LS) of the connector and rear wiper motor assy body, and check that the rear wiper motor assy operate.



(b) Automatic Stop Position Operation Check

(1) Connect the battery (+) to the terminal 1 (+B) of the connector, the battery (–) to the terminal 3 (LS) of the connector and rear wiper motor assy body. With the motor being rotated disconnect the terminal 3 (LS) from the battery (–), then check that the wiper motor stops automatically at the automatic stop position.



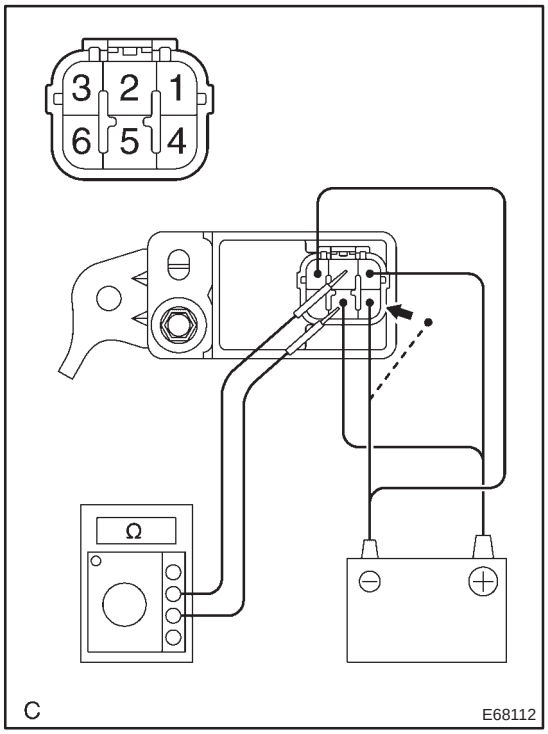
6. HEADLAMP CLEANER SWITCH ASSY

(a) Check that there is continuity between terminal at each switch position as shown in the chart.

Switch operation	Tester connection	Specified condition
OFF	1 (E) – 4 (R)	No continuity
ON	1 (E) – 4 (R)	Continuity
Illumination circuit	2 (ILL) – 3 (ILL+)	Continuity

(b) Inspect illumination operation.

(1) Connect the positive (+) lead from the battery to the terminal 3 and negative (–) lead to the terminal 2, then check that the illumination comes on.



7. HEADLAMP CLEANER CONTROL RELAY

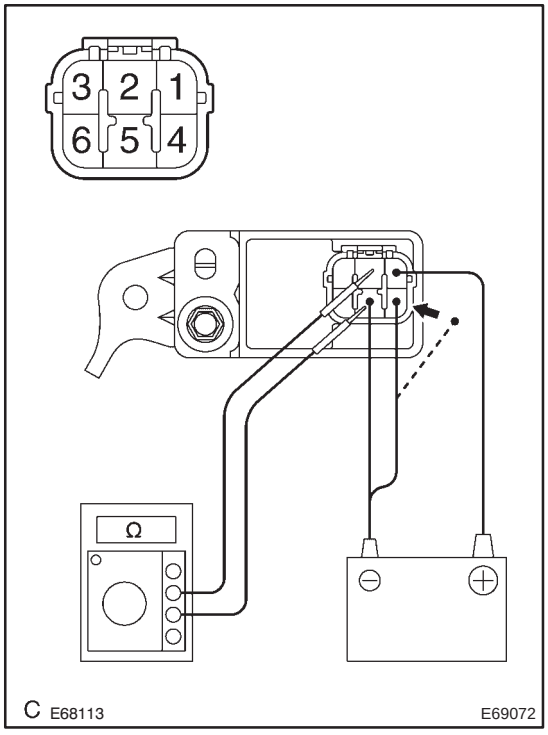
(a) w/o HID:

Inspect headlamp cleaner control relay operation

(1) Check that no continuity exists between the terminals 2 and the terminal 3.

(2) Connect the positive (+) lead from the battery to the terminal 1 and the terminal 5, and the negative (–) lead from the battery to the terminal 3.

(3) Connect the negative (–) lead from the battery to the terminal 4, and check that continuity exists between the terminal 2 and the terminal 5 for 0.8 to 0.9 seconds, then no continuity exists.



(b) w/ HID:

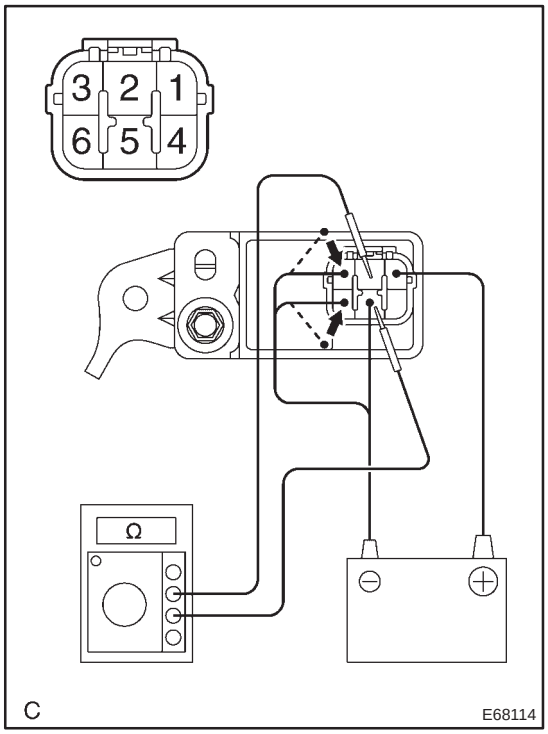
Inspect headlamp cleaner control relay operation

(1) Check that no continuity exists between the terminal 2 and the terminal 5.

(2) Connect the positive (+) lead from the battery to the terminal 1, and the negative (–) lead from the battery to the terminal 5.

(3) Connect the negative (–) lead from the battery to the terminal 4, and check that continuity exists between the terminal 2 and the terminal 5 for 0.7 to 0.9 seconds, then no continuity exists.

(4) Disconnect the positive (+) lead from the battery from the terminal 1, and connect the positive (+) lead from the battery to the terminal 1 again.



(5) Connect the negative (–) lead from the battery to the terminal 3.

(6) Connect the negative (–) lead from the battery to the terminal 6, and check that continuity exists between the terminal 2 and the terminal 5 for 0.7 to 0.9 seconds, then no continuity exists.

WIPER RUBBER LH

660CP–01

REPLACEMENT

1. REMOVE FR WIPER BLADE LH

(a) Remove the front wiper blade LH from the front wiper arm LH.

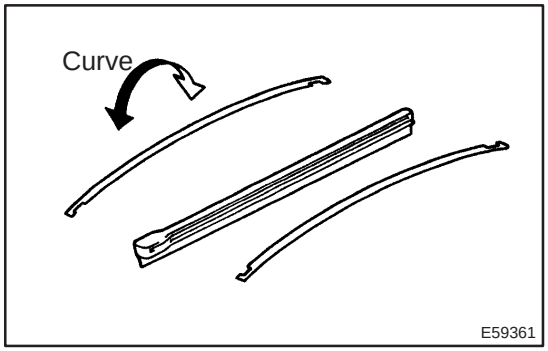
NOTICE:

Do not fold down the front wiper arm with the front wiper blade being removed from it.

2. REMOVE WIPER RUBBER LH

(a) Remove the front wiper rubber LH from the front wiper blade.

(b) Remove the 2 wiper rubber backing plates from the wiper rubber LH.

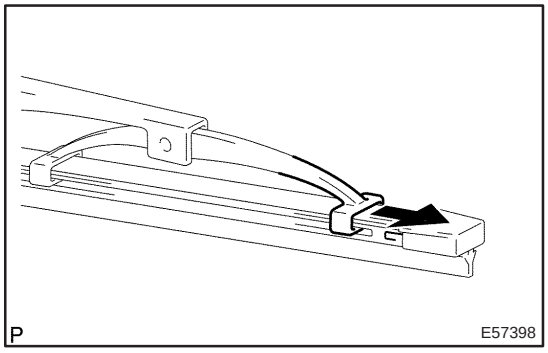


3. INSTALL WIPER RUBBER LH

(a) Install the 2 wiper rubber backing plates to the wiper rubber LH.

NOTICE:

Be careful about the right side and the wrong side of the backing plates.



(b) Install the wiper rubber LH so that the head part (Larger side) of the wiper rubber faces the arm axle side.

NOTICE:

Push the front wiper blade into the grooves of the wiper rubber to engage them completely.