INSPECTION

6607E–02

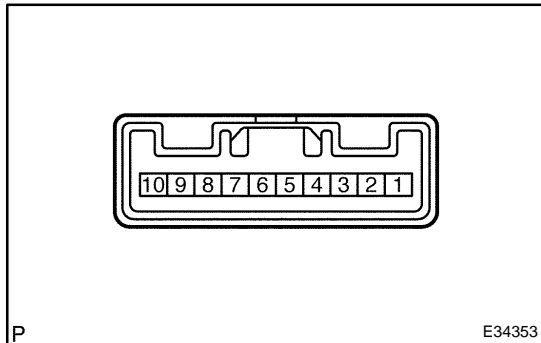P   E34353

1. WINDSHIELD WIPER SWITCH ASSY

(a) Continuity Check

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

Standard:

Front Wiper Switch

Switch position	Tester connection	Specified condition
MIST	7 (+1) – 8 (+B)	Continuity
OFF	6 (+S) – 7 (+1)	Continuity
INT	6 (+S) – 7 (+1)	Continuity
LO	7 (+1) – 8 (+B)	Continuity
HI	8 (+B) – 9 (+2)	Continuity

Front Washer Switch

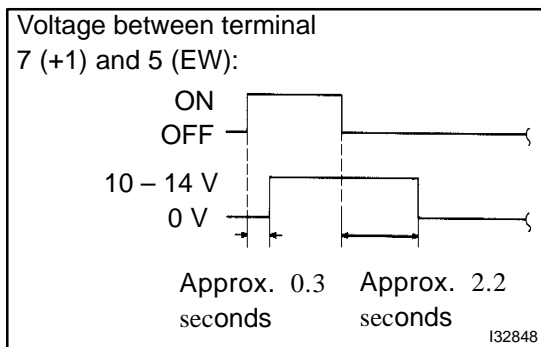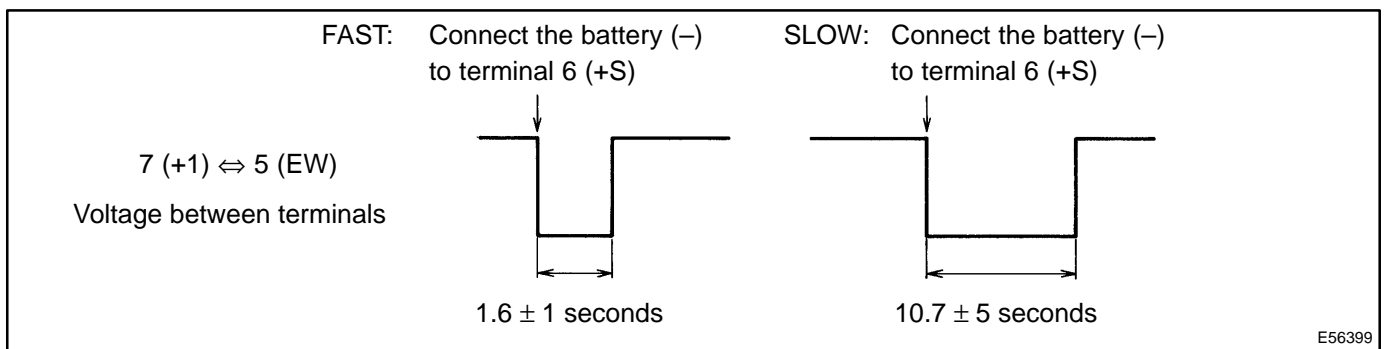| Switch position	Tester connection	Specified condition
OFF	4 (W) – 5 (EW)	No continuity
ON	4 (W) – 5 (EW)	Continuity

(b) w/o Intermittent time adjust:

Intermittent Operation Check

(1) Connect the voltmeter (+) terminal to terminal 7 (+1) of the connector, the voltmeter (–) terminal to terminal 5 (EW) of the connector.

(2) Connect the battery (+) to terminal 8 (+B) of the connector, the battery (–) to terminal 5 (EW) and 6 (+S) of the connector.

(3) Turn the wiper switch to the INT position.

(4) Connect the battery (+) to terminal 6 (+S) of the connector for 5 seconds.

(5) Connect the battery (–) to terminal 6 (+S) of the connector. Operate the intermittent wiper relay and check voltage between terminal 7 (+1) and terminal 5 (EW).

Connect the battery (–) to terminal 6 (+S)

7 (+1) ⇔ 5 (EW)

Voltage between terminals

10 – 14 V

0 V

3.3 ± 1 seconds

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(c) w/ Intermittent time adjust:
Intermittent Operation Check
(1) Connect the voltmeter (+) terminal to terminal 7 (+1) of the connector, the voltmeter (–) terminal to terminal 5 (EW) of the connector.
(2) Connect the battery (+) to terminal 8 (+B) of the connector, the battery (–) to terminal 5 (EW) and 6 (+S) of the connector.
(3) Turn the wiper switch to the INT position.
(4) Connect the battery (+) to terminal 6 (+S) of the connector for 5 seconds.
(5) Connect the battery (–) to terminal 6 (+S) of the connector. Operate the intermittent wiper relay and check voltage between terminal 7 (+1) and terminal 5 (EW).
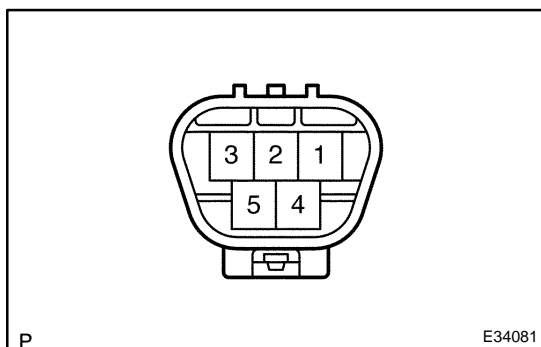

FAST: Connect the battery (–) to terminal 6 (+S)

SLOW: Connect the battery (–) to terminal 6 (+S)

7 (+1) ⇔ 5 (EW)

Voltage between terminals

1.6 ± 1 seconds   10.7 ± 5 seconds

E56399

Voltage between terminal 7 (+1) and 5 (EW):

ON
OFF

10 – 14 V
0 V

Approx. 0.3 seconds   Approx. 2.2 seconds

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(d) Operation Check (Front Wiper)
(1) Turn the wiper switch to the OFF position.
(2) Connect the battery (+) to terminal 8 (+B) of the connector, the battery (–) to terminal 6 (+S) and 5 (EW) of the connecter.
(3) Connect the voltmeter (+) terminal to terminal 7 (+1) of the connector, the voltmeter (–) terminal to terminal 5 (EW) of the connector. Turn the washer switch to ON and OFF and check voltage between terminal 7 (+1) and terminal 5 (EW).
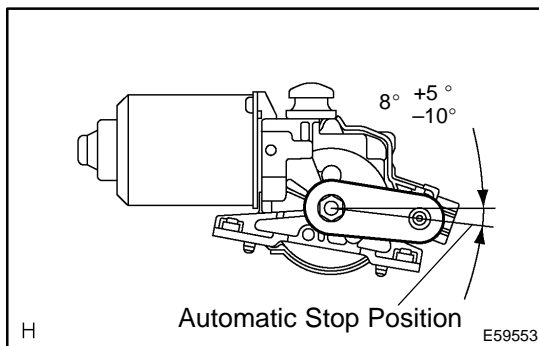
2. WINDSHIELD WIPER MOTOR ASSY
(a) LO Operation Check
(1) Connect the battery (+) to terminal 1 (+1) of the connector, the battery (–) to terminal 5 (E) of the connector, and check that the motor operates at low speed (LO).
(b) HI Operation Check
(1) Connect the battery (+) to terminal 4 (+2) of the connector, the battery (–) to terminal 5 (E) of the connector, and check that the motor operates at high speed (HI).
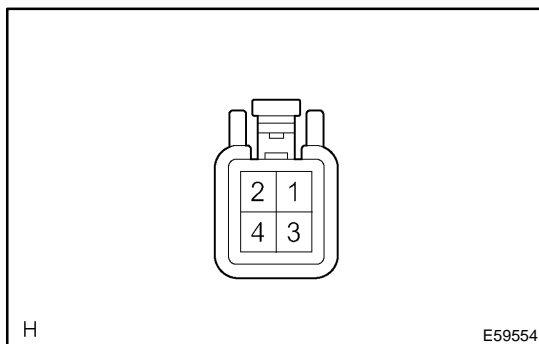

3 2 1
5 4

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(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.
Standard: See the illustration.

3.   REAR WIPER MOTOR ASSY
(a) Operation Check
(1) Connect the battery (+) to terminal 4 (+1) of the connector, the battery (−) to terminal 1 (−) of the connector, and check that the rear wiper motor operates.
(b) Automatic Stop Position Operation Check
(1) Connect the battery (+) to terminal 2 (+B) of the connector, the battery (−) to terminal 3 (S) of the connector. With the motor being rotated, disconnect terminal 4 (+1) to stop the motor operation at any position except the automatic stop position.
(2) Connect the battery (+) to terminal 2 (+B) to restart the motor operation, then check that the wiper arm blade stops automatically at a certain position. (See page 66–11)