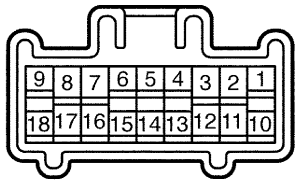
66054–01

INSPECTION



P E34825

1. WINDSHIELD WIPER SWITCH ASSY(RHD STEERING POSITION TYPE)

(a) Continuity Check

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

Front Wiper Switch

Switch position	Tester connection	Specified condition
MIST	11 (+B) – 3 (+1)	Continuity
OFF	3 (+1) – 12 (+S)	Continuity
INTO	3 (+1) – 12 (+S), 13 (AUTO) – 15 (E)	Continuity
LO	11 (+B) – 3 (+1)	Continuity
HI	11 (+B) – 2 (+2)	Continuity

Front Washer Switch

Switch position	Tester connection	Specified condition
OFF	–	No continuity
ON	17 (WF) – 8 (EW)	Continuity

(b) Intermittent Operation Check (Front Wiper)

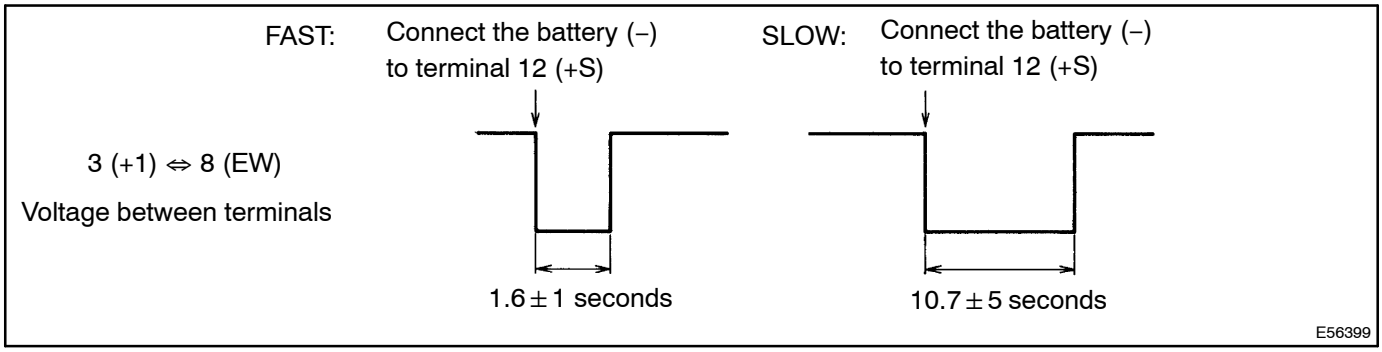
(1) Connect the voltmeter (+) terminal to terminal 3 (+1) of the connector, the voltmeter (–) terminal to terminal 8 (EW) of the connector.

(2) Connect the battery (+) to terminal 11 (+B) of the connector, the battery (–) to terminal 8 (EW) and 12 (+S) of the connector.

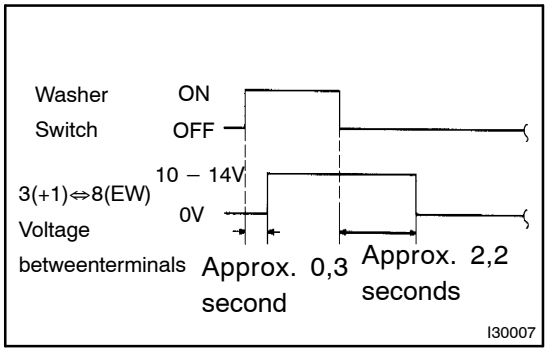
(3) Turn the wiper switch INT.

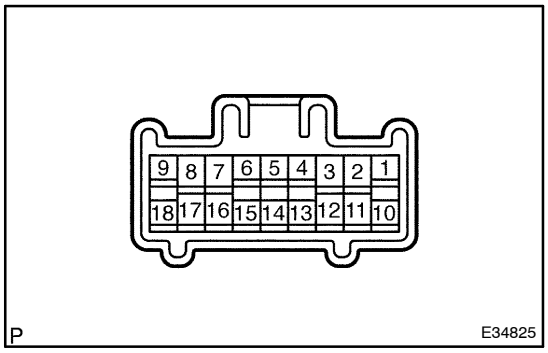
(4) Connect the battery (+) to terminal 12 (+S) of the connector for 5 seconds.

(5) Connect the battery (–) to terminal 12 (+S) of the connector, operate the intermittent wiper relay and check voltage between terminal 3 (+1) and terminal 8 (EW).



E56399





(c) Operation Check (Front Wiper)
(1) Turn the wiper switch to OFF.
(2) Connect the battery (+) to terminal 11 (+B) of the connector, the battery (–) to terminal 12 (+S) and 8 (EW) of the connecter.
(3) Connect the voltmeter (+) terminal to terminal 3 (+1) of the connector, the voltmeter (–) terminal to terminal 8 (EW) of the connector. Turn the washer switch to ON and OFF and check voltage between terminal 3 (+1) and terminal 8 (EW).

2. WINDSHIELD WIPER SWITCH ASSY(LHD STEERING POSITION TYPE)

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

Front Wiper Switch

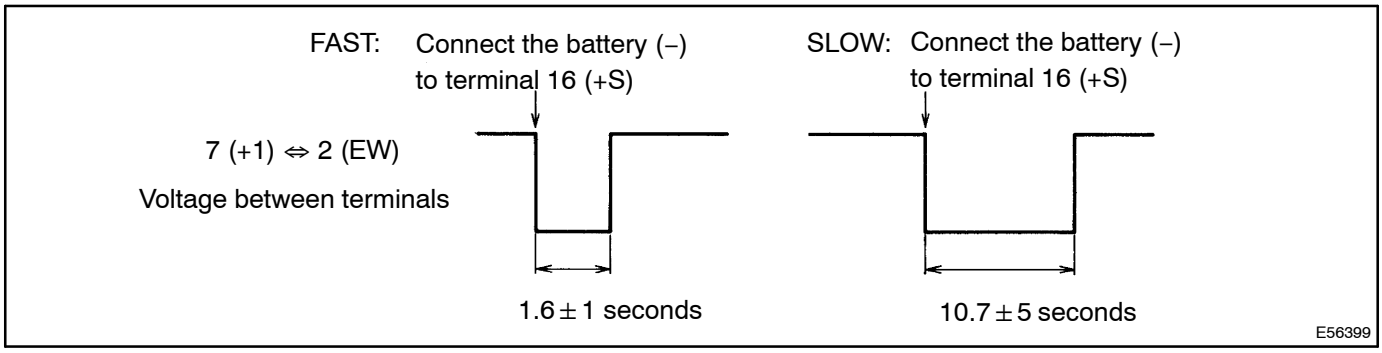
Switch position	Tester connection	Specified condition
MIST	7 (+1) – 17 (+B)	Continuity
OFF	16 (+S) – 7 (+1)	Continuity
AUTO	16 (+S) – 7 (+1)	Continuity
LO	7 (+1) – 17 (+B)	Continuity
HI	17 (+B) – 8 (+2)	Continuity

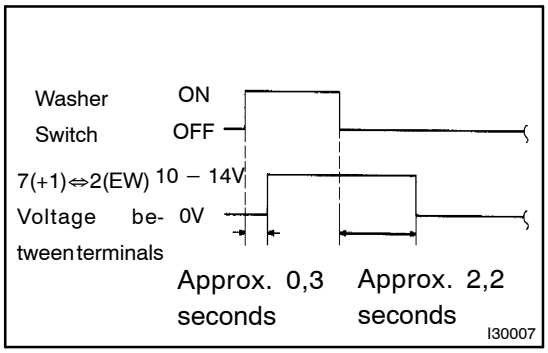
Front Washer Switch

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

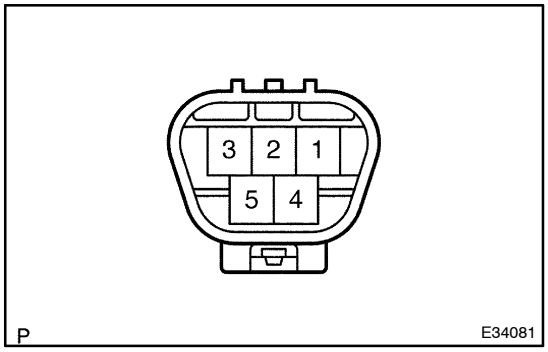
(b) Intermittent Operation Check (Front Wiper)
(1) Connect the voltmeter (+) terminal to terminal 7 (+1) of the connector, the voltmeter (–) terminal to terminal 2 (EW) of the connector.
(2) Connect the battery (+) to terminal 17 (+B) of the connector, the battery (–) to terminal 2 (EW) and 16 (+S) of the connector.
(3) Turn the wiper switch to INT.
(4) Connect the battery (+) to terminal 16 (+S) of the connector for 5 seconds.

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



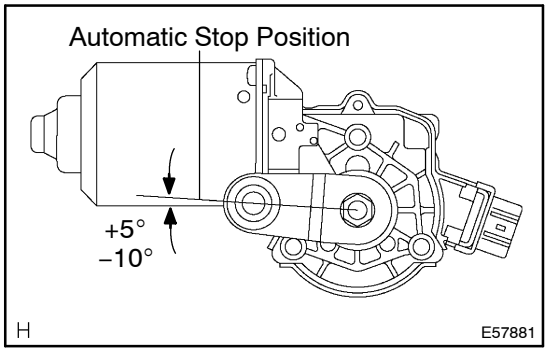
3. WINDSHIELD WIPER MOTOR ASSY(RHD STEERING POSITION TYPE)

(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).

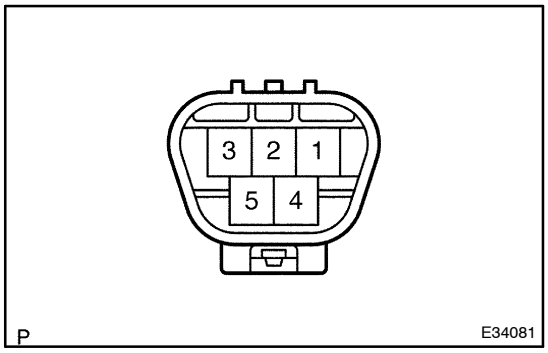
(b) HI Operation Check
(1) Connect the battery (+) to terminal 4 (+2) of the connector, the battery (–) to terminal 5 (E) of the connector, and check that the motor operates at high speed (HI).

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

SST 09843–18040



(3) Check the automatic stop position.



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

(a) LO Operation Check

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

(b) HI Operation Check

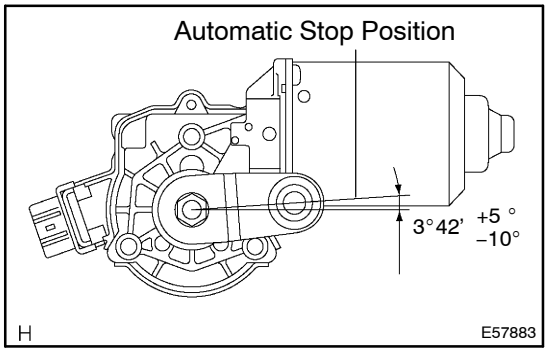
(1) Connect the battery (+) to terminal 3 (+2) of the connector, the battery (–) to terminal 4 (E) of the connector, and check that the motor operates at high speed (HI).

(c) Automatic Stop Operation Check

(1) Connect the battery (+) to terminal 5 (+1) of the connector, the battery (–) to terminal 4 (E) of the connector, with the motor being rotated at low speed (LO), disconnect terminal 5 (+1) to stop the wiper motor operation at any position except the automatic stop position.

(2) Connect terminal 5 (+1) and 3 (S), and the battery (+) to terminal 2 (B) to restart the motor operation at low speed.

SST 09843–18040



(3) Check the automatic stop position.