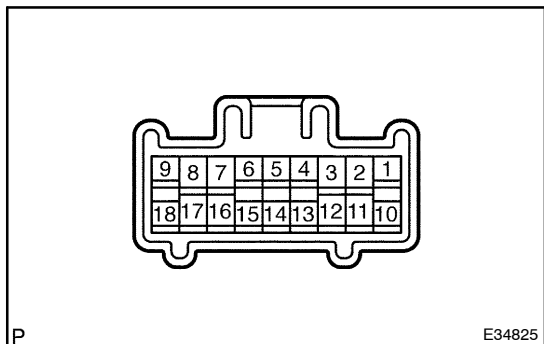


## INSPECTION



### 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
INT	3 (+1) – 12 (+S)	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

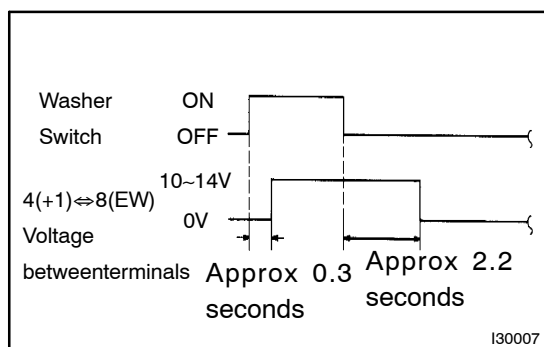
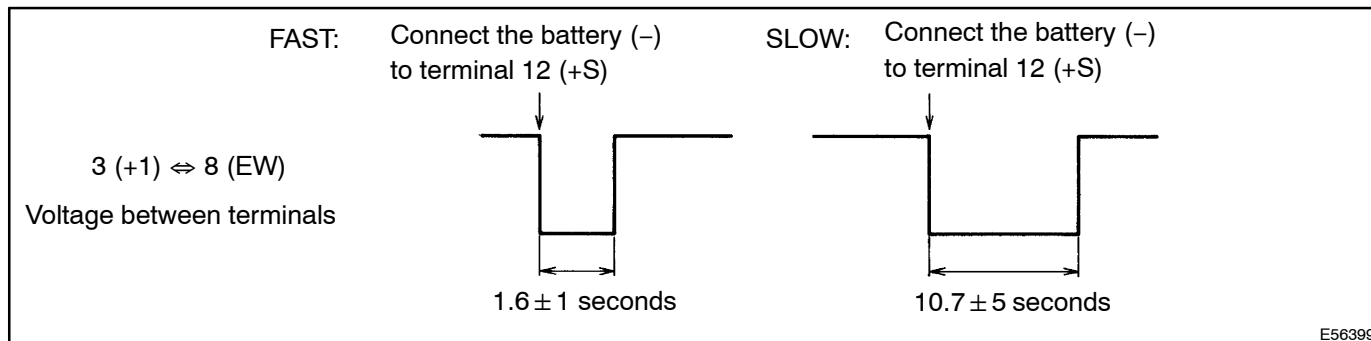
#### Rear Wiper Switch

Switch position	Tester connection	Specified condition
Wash	16 (WR) – 8 (EW)	Continuity
OFF	–	No continuity
INT	15 (C1R) – 8 (EW)	Continuity
LO	18 (+1R) – 8 (EW)	Continuity

#### (b) Intermittent Operation Check (Front Wiper)

- (1) Connect the voltmeter (+) terminal to terminal 4 (+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).



- (c) Operation Check (Front Wiper)
- (1) Turn the wiper switch OFF.
  - (2) Connect the battery (+) to terminal 11 (+B) of the connector, the battery (–) to terminal 12 (+S) and 8 (EW) of the connector.
  - (3) Connect the voltmeter (+) terminal to terminal 3 (+1) of the connector, the voltmeter (–) terminal to terminal 6 (EW) of the connector. Turn the washer switch ON and OFF and check voltage between terminal 3 (+1) and terminal 8 (EW).

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

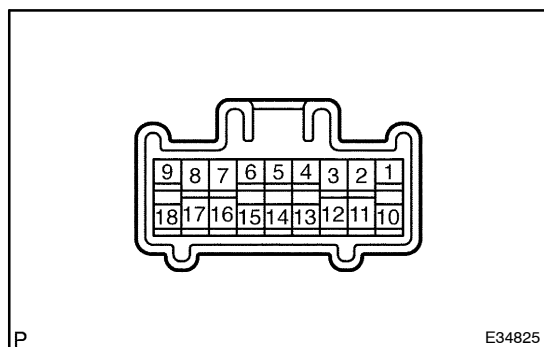
- (a) Continuity Check
- (1) Check the continuity of each terminal of the connector.

### Front Wiper Switch

Switch position	Tester connection	Specified condition
MIST	7 (+1) – 17 (+B)	Continuity
OFF	16 (+S) – 7 (+1)	Continuity
INT	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



## Rear Wiper Switch

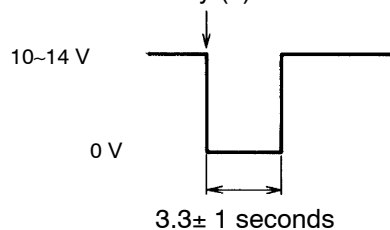
Switch position	Tester connection	Specified condition
Wash	12 (WR) – 2 (EW)	Continuity
OFF	–	No continuity
INT	13 (CIR) – 2 (EW)	Continuity
ON	10 (+1R) – 2 (EW)	Continuity
ON + WASH	12 (WR) – 10 (+1R) – 2 (EW)	Continuity

## (b) Intermittent Operation Check (Front Wiper)

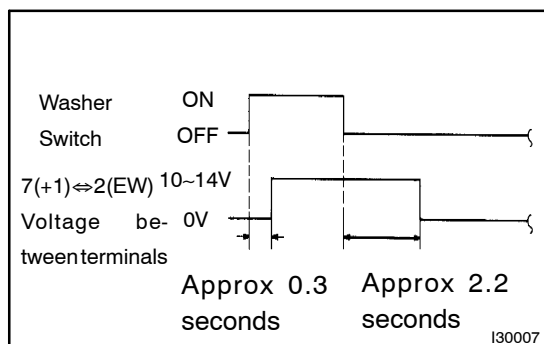
- (1) Connect the voltmeter (+) terminal to terminal 7 (+1) of the connector, the voltmeter (–) terminal to terminal 2 (EW) of the connector.
- (2) Connect the battery (+) to terminal 17 (+B) of the connector, the battery (–) to terminal 2 (EW) and 16 (+S) of the connector.
- (3) Turn the wiper switch 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).

7 (+1)  $\Leftrightarrow$  2 (EW)  
Voltage between terminals

Connect the battery (–) to terminal 5 (+S)

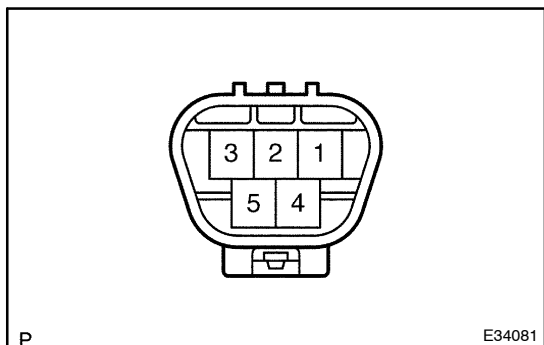


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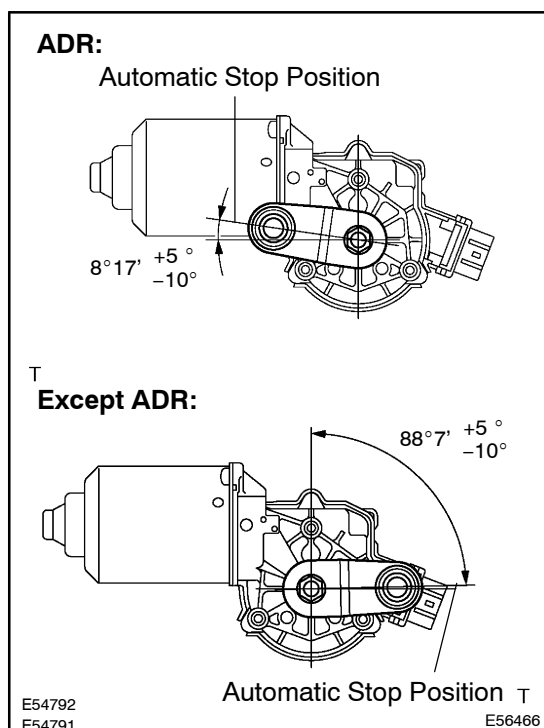
## (c) Operation Check (Front Wiper)

- (1) Turn the wiper switch OFF.
- (2) Connect the battery (+) to terminal 8 (+B) of the connector, the battery (–) to terminal 6 (+S) and 5 (EW) of the connector.
- (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 ON and OFF and check voltage between terminal 7 (+1) and terminal 5 (EW).

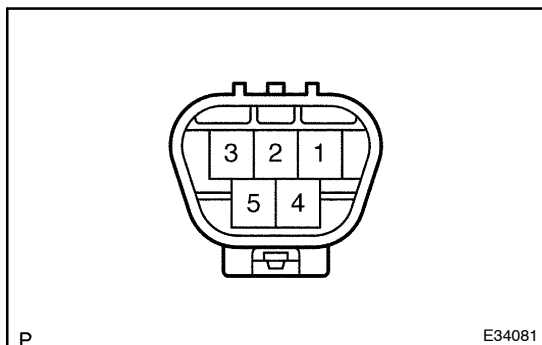


### 3. WINDSHIELD WIPER MOTOR ASSY(RHD STEERING POSITION TYPE)

- (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 with 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 with low 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 with low speed (LO), disconnect terminal 1 (+1) to stop the wiper motor operation at any position except the automatic stop position.
  - (2) Connect terminals 1 (+1) and 3 (S).

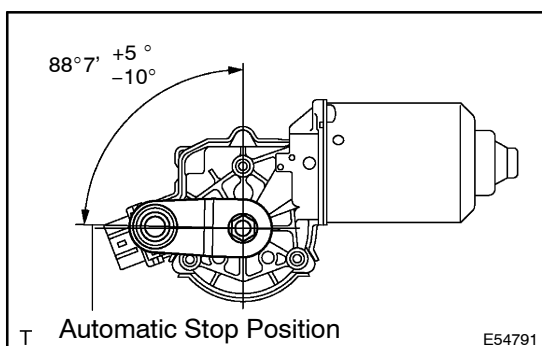


- (3) Check that connecting the battery (+) to terminal 2 (B) restarts the motor operation with low speed (LO), and the motors automatic stop position.

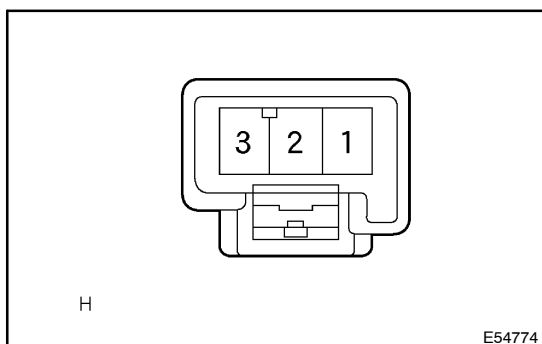


#### 4. WINDSHIELD WIPER MOTOR ASSY(LHD STEERING POSITION TYPE)

- (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 with 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 with low 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 with low speed (LO), disconnect terminal 5 (+1) to stop the wiper motor operation at any position except the automatic stop position.
  - (2) Connect terminals 5 (+1) and 1 (S).



- (3) Check that connecting the battery (+) to terminal 2 (B) restarts the motor operation with low speed (LO), and the motors automatic stop position.

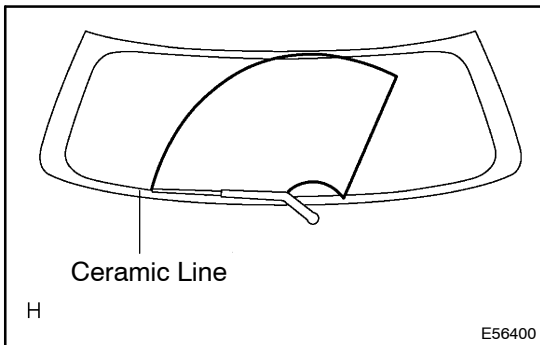


#### 5. RR WIPER MOTOR & LINK ASSY

- (a) Operation Check
  - (1) Connect the battery (+) to terminal 1 (+B) of the connector, the battery (-) to terminal 3 (LS) of the connector, and check that the rear wiper motor operates.

#### NOTICE:

The body earth should be connected.



(b) Automatic Stop Position Operation Check

- (1) Connect the battery (+) to terminal 1 (+B) of the connector, the battery (–) to terminal 3 (LS) of the connector.

**NOTICE:**

**The body earth should be connected.**

- (2) With the motor being rotated, disconnect terminal 1 (+B) and terminal 3 (LS) to stop the motor operation at any position except the automatic stop position.
- (3) Connect the battery (+) to terminal 1 (+B). Check that the motor is restarted and automatically stopped.