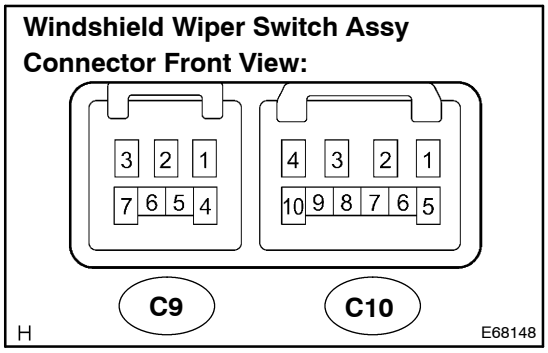
660H7–01

INSPECTION



1. WINDSHIELD WIPER SWITCH ASSY (LH POSITION) (AUSTRALIA)

(a) Measure the resistance according to the value(s) in the table below.

Standard:

Front Wiper Switch

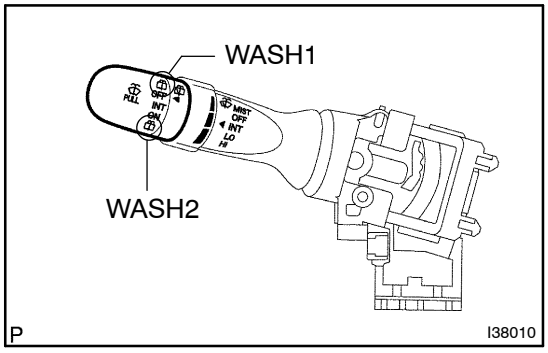
Switch position	Tester connection	Specified resistance
MIST	C10–2 (+1) – C10–3 (+B)	Below 1 Ω
OFF	C10–2 (+1) – C10–4 (+S)	Below 1 Ω
INT	C10–2 (+1) – C10–4 (+S)	Below 1 Ω
LO	C10–2 (+1) – C10–3 (+B)	Below 1 Ω
HI	C10–1 (+2) – C10–3 (+B)	Below 1 Ω

Rear Wiper Switch (w/ Rear Wiper)

Switch position	Tester connection	Specified resistance
OFF	C9–2 (EW) – C9–5(C1R), C9–2 (EW) – C9–4 (+1R)	10 kΩ or higher
INT	C9–2 (EW) – C9–5 (C1R)	Below 1 Ω
ON	C9–2 (EW) – C9–4 (+1R)	Below 1 Ω

Front Washer Switch

Switch position	Tester connection	Specified resistance
OFF	C9–1 (WF) – C9–2 (EW)	10 kΩ or higher
ON	C9–1 (WF) – C9–2 (EW)	Below 1 Ω



Rear Washer Switch (w/ Rear Wiper)

Switch position	Tester connection	Specified resistance
OFF	C10–10 (WR) – C9–2 (EW), C9–2 (EW) – C9–4 (+1R)	10 kΩ or higher
ON (WASH1)	C10–10 (WR) – C9–2 (EW)	Below 1 Ω
ON (WASH2)	C10–10 (WR) – C9–2 (EW), C9–2 (EW) – C9–4 (+1R)	Below 1 Ω

(b) Intermittent Operation Check

(1) Connect the voltmeter (+) terminal to terminal C10–2 (+1) of the connector and the voltmeter (–) terminal to terminal C9–2 (EW).

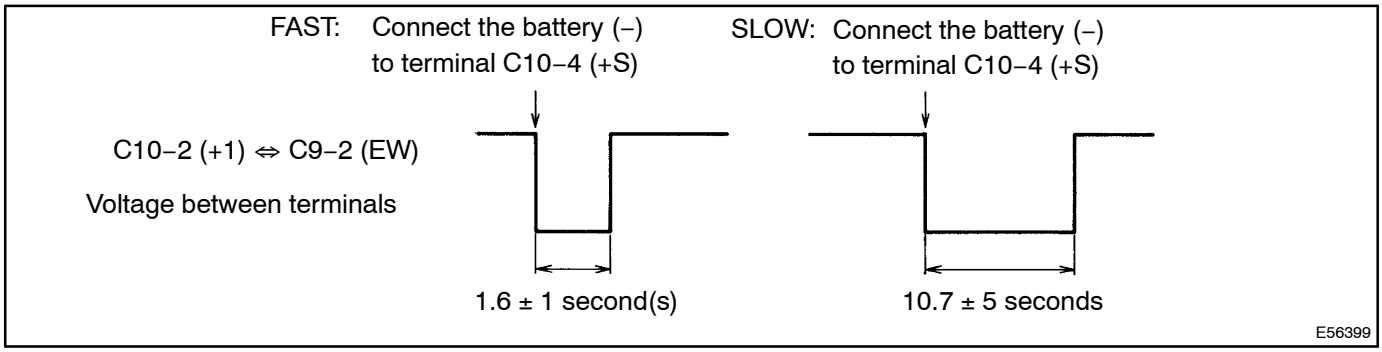
(2) Connect the positive battery (+) lead to terminal C10–3 (+B) of the connector and the negative battery (–) lead to terminals C9–2 (EW) and C10–4 (+S).

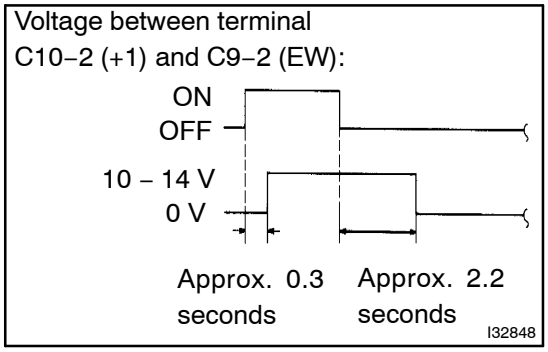
(3) Turn the wiper switch to the INT position.

(4) Connect the positive battery (+) lead to terminal C10–4 (+S) of the connector for 5 seconds.

(5) Connect the negative battery (–) lead to terminal C10–4 (+S) of the connector. Operate the intermittent wiper relay and measure the voltage between terminals C10–2 (+1) and C9–2 (EW)

Standard: Refer to the illustration below.





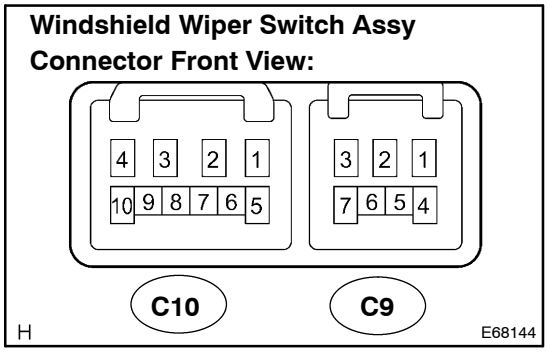
(c) Front Washer Operation Check

(1) Turn the wiper switch to the OFF position.

(2) Connect the positive battery (+) lead to terminal C10–3 (+B) of the connector and the negative battery (–) lead to terminals C10–4 (+S) and C9–2 (EW).

(3) Connect the voltmeter (+) terminal to terminal C10–2 (+1) of the connector and the voltmeter (–) terminal to terminal C9–2 (EW). Turn the washer switch to the ON and OFF positions, and measure the voltage between terminals C10–2 (+1) and C9–2 (EW).

Standard: Refer to the illustration on the left.



2. WINDSHIELD WIPER SWITCH ASSY (RH POSITION) (EUROPE)

(a) Measure the resistance according to the value(s) in the table below.

Standard:

Front Wiper Switch

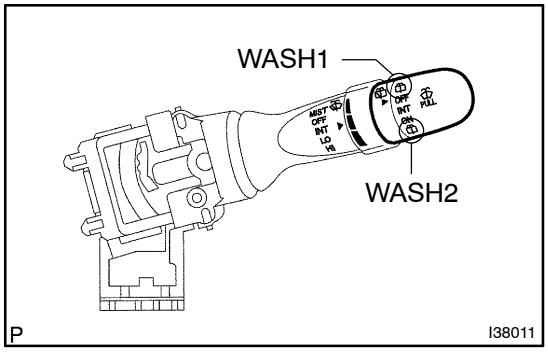
Switch position	Tester connection	Specified resistance
MIST	C10–2 (+B) – C10–3 (+1)	Below 1 Ω
OFF	C10–1 (+S) – C10–3 (+1)	Below 1 Ω
INT	C10–1 (+S) – C10–3 (+1)	Below 1 Ω
LO	C10–2 (+B) – C10–3 (+1)	Below 1 Ω
HI	C10–2 (+B) – C10–4 (+2)	Below 1 Ω

Rear Wiper Switch (w/ Rear Wiper)

Switch position	Tester connection	Specified resistance
OFF	C9–2(EW) – C9–6 (C1R), C9–2 (EW) – C9–7 (+1R)	10 kΩ or higher
INT	C9–2 (EW) – C9–6 (C1R)	Below 1 Ω
ON	C9–2 (EW) – C9–7 (+1R)	Below 1 Ω

Front Washer Switch

Switch position	Tester connection	Specified resistance
OFF	C9–2 (EW) – C9–3 (WF)	10 kΩ or higher
ON	C9–2 (EW) – C9–3 (WF)	Below 1 Ω



Rear Washer Switch (w/ Rear Wiper)

Switch position	Tester connection	Specified resistance
OFF	C10–5 (WR) – C9–2 (EW), C9–2 (EW) – C9–7 (+1R)	10 kΩ or higher
ON (WASH1)	C10–5 (WR) – C9–2 (EW)	Below 1 Ω
ON (WASH2)	C10–5 (WR) – C9–2 (EW), C9–2 (EW) – C9–7 (+1R)	Below 1 Ω

(b) Intermittent Operation Check

(1) Connect the voltmeter (+) terminal to terminal C10–3 (+1) of the connector and the voltmeter (–) terminal to terminal C9–2 (EW).

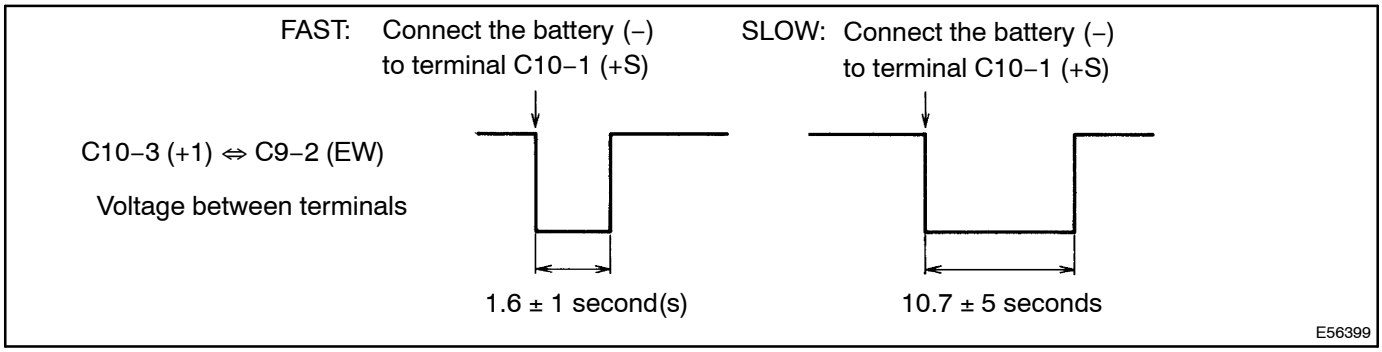
(2) Connect the positive battery (+) lead to terminal C10–2 (+B) of the connector and the negative battery (–) lead to terminals C9–2 (EW) and C10–4 (+S).

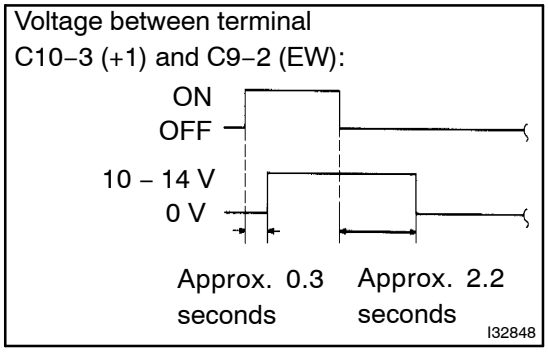
(3) Turn the wiper switch to the INT position.

(4) Connect the positive battery (+) lead to terminal C10–1 (+S) of the connector for 5 seconds.

(5) Connect the negative battery (–) lead to terminal C10–1 (+S) of the connector. Operate the intermittent wiper relay and measure the voltage between terminals C10–3 (+1) and C9–2 (EW)

Standard: Refer to the illustration below.





(c) Front Washer Operation Check

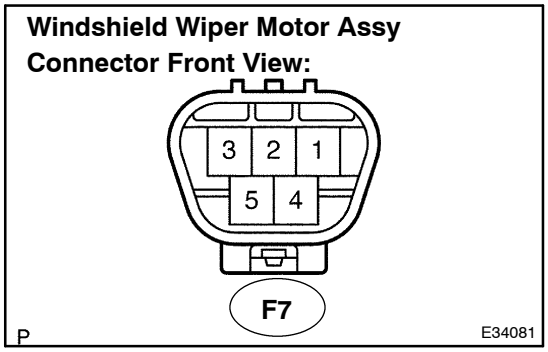
(1) Turn the wiper switch to the OFF position.

(2) Connect the positive battery (+) lead to terminal C10–2 (+B) of the connector, the negative battery (–) lead to terminals C10–1 (+S) and C9–2 (EW).

(3) Connect the voltmeter (+) terminal to terminal C10–3 (+1) of the connector and the voltmeter (–) terminal to terminal C9–2 (EW).

(4) Turn the washer switch to the ON and OFF positions, and measure the voltage between terminals C10–3 (+1) and C9–2 (EW).

Standard: Refer to the illustration on the left.



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

(a) LO Operation Check

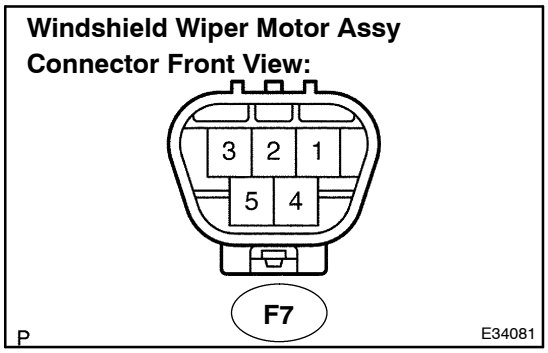
(1) Connect the positive battery (+) lead to terminal 1 (+1) of the connector, and the negative battery (–) lead to terminal 5 (E), and check that the windshield wiper motor assy operates at low speed (LO).

Standard: The motor operates at low speed (LO).

(b) HI Operation Check

(1) Connect the positive battery (+) lead to terminal 4 (+2) of the connector, and the negative battery (–) lead to terminal 5 (E), and check that the windshield wiper motor assy operates at high speed (HI).

Standard: The motor operates at high speed (HI).



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

(a) LO Operation Check

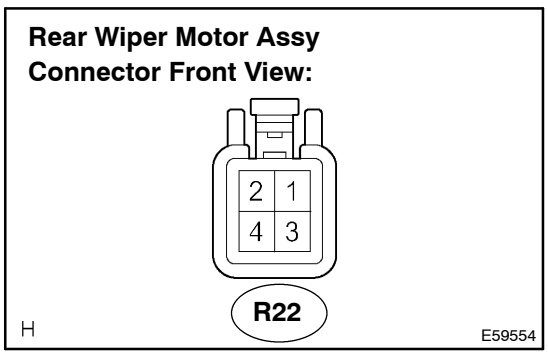
(1) Connect the positive battery (+) lead to terminal 5 (+1) of the connector, and the negative battery (–) lead to terminal 4 (E), and check that the windshield wiper motor assy operates at low speed (LO).

Standard: The motor operates at low speed (LO).

(b) HI Operation Check

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

Standard: The motor operates at high speed (HI).



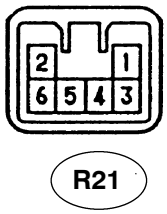
5. REAR WIPER MOTOR ASSY

(a) Operation Check

(1) Connect the positive battery (+) lead to terminal 3 (+1), and the negative battery (–) lead to terminal 2 (–), and check that the rear wiper motor operates.

Standard: The rear wiper motor operates.

Windshield Wiper Relay Assy
Connector Front View:



E65930

6. WINDSHIELD WIPER RELAY ASSY

(a) Operation Check

(1) Using a voltmeter, connect the voltmeter (+) terminal to terminal 4 (LM) of the connector, and the voltmeter (–) terminal to terminal 6 (LS).

(2) Connect the positive battery (+) lead to terminal 3 (+B) of the connector, and the negative battery (–) lead to terminal 6 (LS). Measure the voltage between terminals 4 (LM) and 6 (LS).

Standard: 10 to 14 V

(b) Intermittent Operation Check

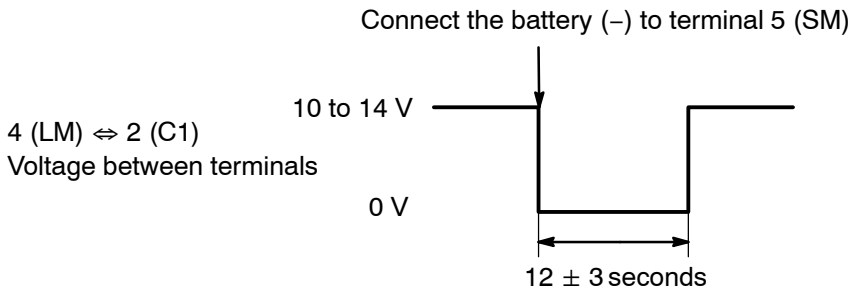
(1) Using a voltmeter, connect the voltmeter (+) terminal to terminal 4 (LM) of the connector, and the voltmeter (–) terminal to terminal 2 (C1).

(2) Connect the positive battery (+) lead to terminal 3 (+B) of the connector, and the negative battery (–) lead to terminal 2 (C1). (Wiper switch is in the INT position.)

(3) Connect the positive battery (+) lead to terminal 5 (SM) of the connector for approximately 5 seconds.

(4) Connect the negative battery (–) lead to terminal 5 (SM) of the connector. Measure the voltage between terminals 4 (LM) and 2 (C1) when operating the intermittent wiper relay.

Standard: Refer to the illustration below.



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