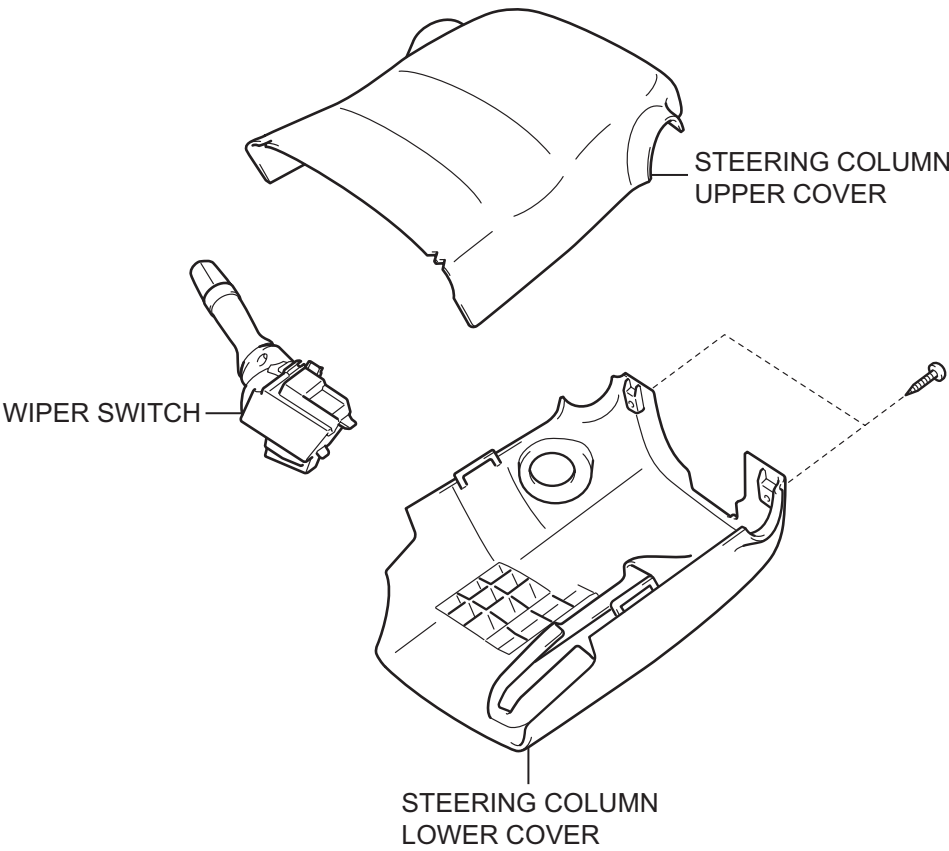


WIPER SWITCH

COMPONENTS

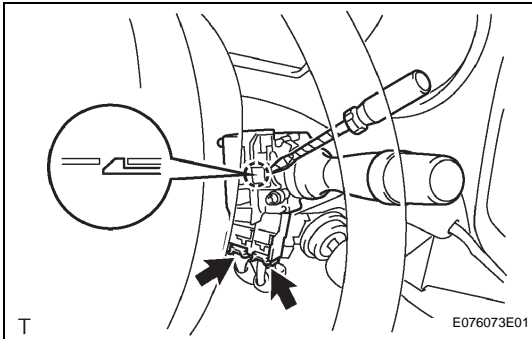


REMOVAL

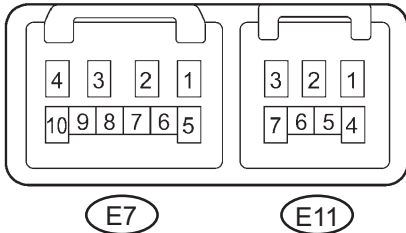
1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
Wait for at least 90 seconds after disconnecting the cable to prevent the airbag from working.
2. **REMOVE STEERING COLUMN LOWER COVER** (See page [SR-9](#))
3. **REMOVE STEERING COLUMN UPPER COVER** (See page [SR-10](#))
4. **REMOVE WIPER SWITCH**
 - (a) Disconnect the 2 connectors.
 - (b) Using a screwdriver wrapped with protective tape, disengage the claw and remove the windshield wiper switch assembly.

NOTICE:

The claw will break if pressed too hard.



Windshield Wiper Switch Assembly
Connector Front View:



H

E113070E01

INSPECTION

1. **INSPECT WIPER SWITCH**
 - (a) Check the resistance.
 - (1) Measure the resistance and check the results in accordance with the value(s) in the table below.

Standard:

Wiper Switch

Tester connection	Condition	Specified condition
+B(E7-2) - +1(E7-3)	MIST	Below 1 Ω
+S(E7-1) - +1(E7-3)	OFF	Below 1 Ω
+S(E7-1) - +1(E7-3)	INTO	Below 1 Ω
+B(E7-2) - +1(E7-3)	LO	Below 1 Ω
+B(E7-2) - +2(E7-4)	HI	Below 1 Ω

If the result is not as specified, replace the windshield wiper switch assembly.

Standard:

Washer Switch

Tester connection	Condition	Specified condition
EW(E11-2) - WF(E11-3)	OFF	10 k Ω or higher
EW(E11-2) - WF(E11-3)	ON	Below 1 Ω

If the result is not as specified, replace the windshield wiper switch assembly.

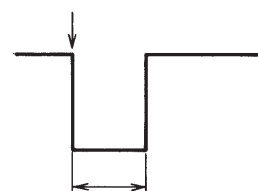
- (b) Check the intermittent operation.
 - (1) Connect the voltmeter positive terminal to terminal 3 (+1) of the E7 connector and the voltmeter negative terminal to terminal 2 (EW) of the E11 connector.

- (2) Connect the battery positive (+) lead to terminal 2 (+B) of the E7 connector and the battery negative (-) lead to terminals 2 (EW) of the E11 connector and 1 (+S) of the E7 connector.
- (3) Turn the wiper switch to the INT position.
- (4) Connect the battery positive (+) lead to terminal 1 (+S) of the E7 connector for 5 seconds.
- (5) Connect the battery negative lead to terminal 1 (+S) of the E7 connector. Operate the intermittent wiper relay and check the voltage between terminals 3 (+1) of the E7 connector and 2 (EW) of the E11 connector.

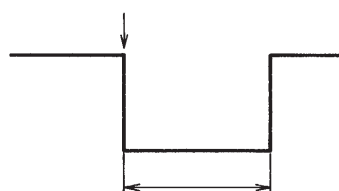
FAST: Connect the negative battery cable to terminal 1 (+S) of the E7 connector

SLOW: Connect the negative battery cable to terminal 1 (+S) of the E7 connector

Voltage between terminals 3 (+1) of the E7 connector and 2 (EW) of the E11 connector



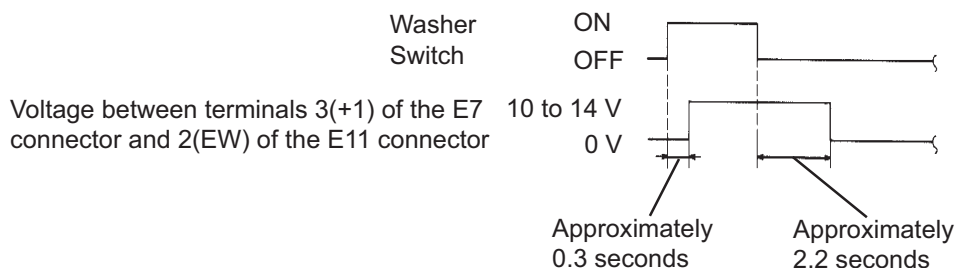
0.6 to 2.6 second



10.2 to 11.2 second

E113071E01

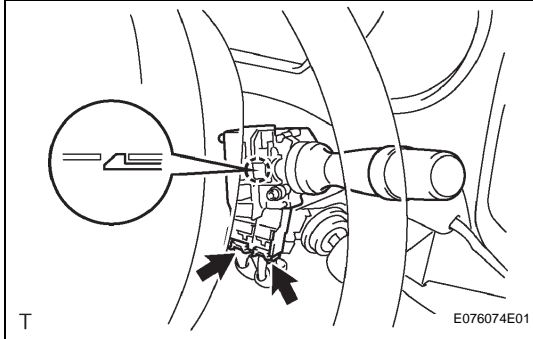
(c) Check the operation



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- (1) Turn the wiper switch off.
- (2) Connect the battery positive lead to terminal 2 (+B) of the E7 connector and the battery negative lead to terminals 1 (+S) of the E7 connector and 2 (EW) of the E11 connector.

- (3) Connect the voltmeter positive terminal to terminal 3 (+1) of the E7 connector and the voltmeter negative terminal to terminal 2 (EW) of the E11 connector. Turn the washer switch on and off, and check the voltage between terminals 3 (+1) of the E7 connector and 2 (EW) of the E11 connector.



INSTALLATION

1. **INSTALL WIPER SWITCH**
 - (a) Engage the claw and install the windshield wiper switch assembly.
 - (b) Connect the 2 connectors.
2. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)
3. **INSTALL STEERING COLUMN UPPER COVER** (See page [SR-18](#))
4. **INSTALL STEERING COLUMN LOWER COVER** (See page [SR-18](#))