

Rear Wiper Motor (If Equipped) Inspection

S3RH0A9406005

NOTE:

Make sure that battery voltage is 12 V or more.

Motor Operation

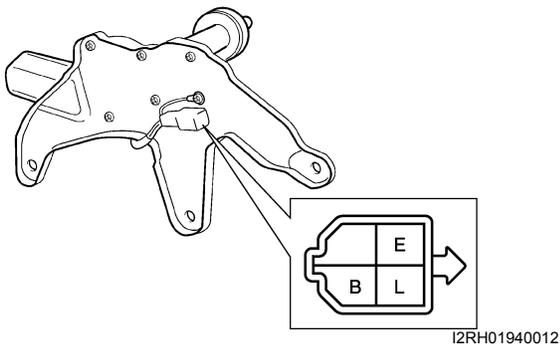
- 1) Connect battery positive terminal to terminal “L” and its negative terminal to terminal “E”.
- 2) Check motor revolution speed as specification. If check result is not as specified, replace motor.

Specification

35 – 45 r/min (rpm)

Automatic Stop Operation

- 1) Connect battery positive (+) terminal to terminal “L” and its negative (-) terminal to terminal “E” and let the motor turn.
- 2) Disconnect terminal “L” from battery positive (+) terminal and let the motor stop.
- 3) Connect terminal “B” to battery positive (+) terminal. Observe the motor turns once again then stops at a specified position.
- 4) Repeat Step 1) to 3) several times and check that the motor stops at the specified position every time. If check result is not satisfied, replace motor.

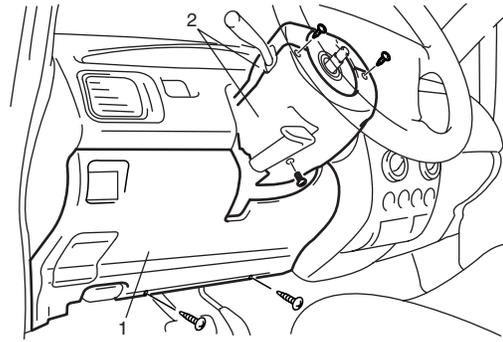


Windshield Wiper and Washer Switch Removal and Installation

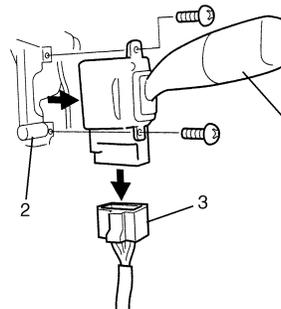
S3RH0A9406006

Removal

- 1) Disconnect negative (-) cable at battery.
- 2) Remove steering column hole cover (1).
- 3) Remove steering column covers (2).
Turn steering wheel to access steering column cover rearend screws.



- 4) Remove windshield wiper and washer switch (1) from combination switch assembly (2) and disconnect its coupler (3).



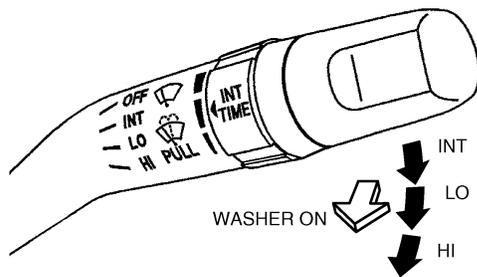
Installation

Reverse removal procedure.

Windshield Wiper and Washer Switch Inspection

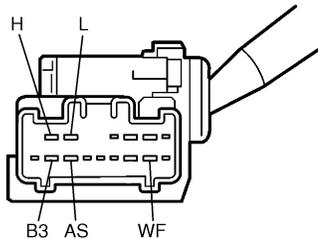
Windshield Wiper and Washer Switch

Check for continuity between terminals at each switch position. If check result is not as specified, replace switch.



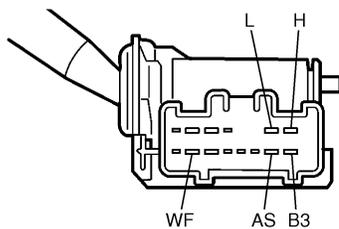
Wiper SW \ Terminal	B3	H	L	AS
OFF			○	○
INT			○	○
LO	○		○	
HI	○	○		

[A]



Washer SW \ Terminal	B3	WF
OFF		
ON	○	○

[B]



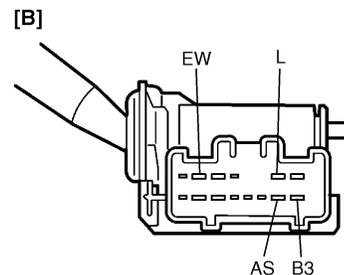
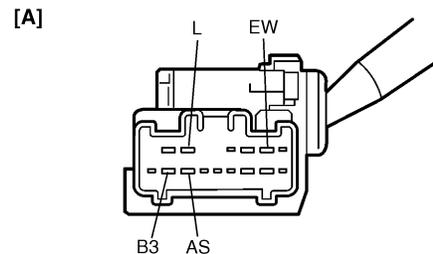
[A]: LH steering vehicle

[B]: RH steering vehicle

I3RH0A940002

Intermittent Wiper Relay Circuit

- 1) Turn the windshield wiper switch to "INT" position.
- 2) Connect battery positive (+) terminal to terminal "B3" and its negative (-) terminal to terminal "EW".
- 3) Connect voltmeter positive lead to terminal "L" and its negative lead to terminal "EW".
- 4) Check that the voltmeter indicates the battery voltage (10 – 14 V).
- 5) Connect terminal "AS" and terminal "B3" for 5 sec. or more by a jumper wire.
- 6) Disconnect end of the jumper wire from terminal "B3".
- 7) Connect disconnected jumper wire end to terminal "EW", then check that voltage between terminal "L" and terminal "EW" changes as shown. If check result is not satisfied, replace switch.

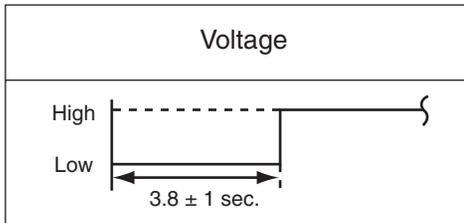


[A]: LH steering vehicle

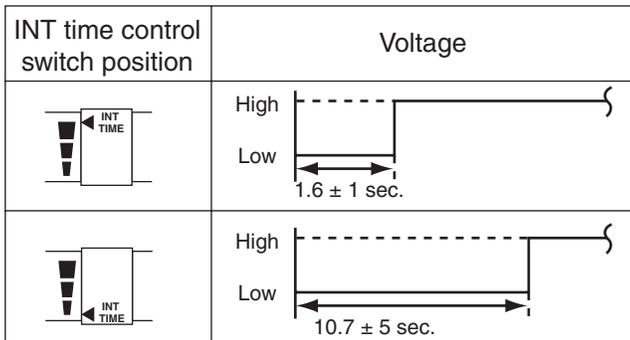
[B]: RH steering vehicle

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[A]



[B]

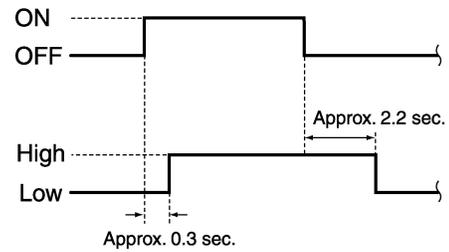


I3RH0A940012

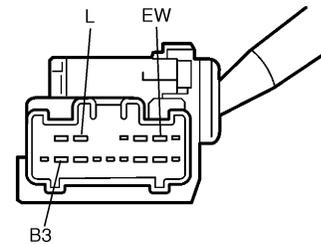
- | |
|--------------------------------------------------|
| [A]: For vehicle without INT time control switch |
| [B]: For vehicle with INT time control switch |

Washer Linked Circuit

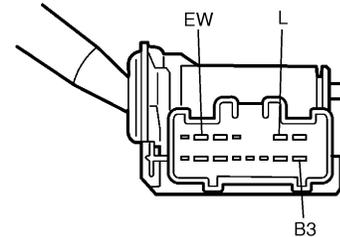
- 1) Make sure that front wiper switch is at "OFF" position.
- 2) Connect battery positive (+) terminal to terminal "B3" and its negative (-) terminal to terminal "EW".
- 3) Connect voltmeter positive lead to terminal "L" and its negative lead to terminal "EW".
- 4) When front washer switch is ON, check that voltage changes as shown in figure.
If check result is not satisfied, replace switch.



[A]



[B]



I3RH0A940004

- | |
|--------------------------|
| [A]: LH steering vehicle |
| [B]: RH steering vehicle |

Rear Wiper and Washer Switch Removal and Installation

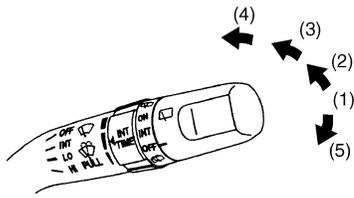
S3RH0A9406008

Refer to "Windshield Wiper and Washer Switch Removal and Installation: ".

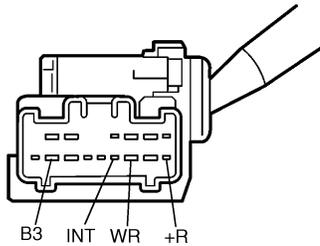
Rear Wiper and Washer Switch Inspection

S3RH0A9406009

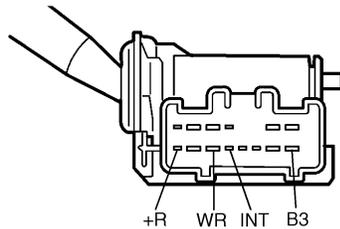
Check for continuity between terminals at each switch position. If check result is not as specified, replace switch.



[A]



[B]



Terminal \ Position	B3	WR	INT	+R
(1) OFF				
(2) INT ON	○		○	
(3) WIPER ON	○			○
(4) WIPER and WASHER ON	○	○		○
(5) WASHER ON	○	○		

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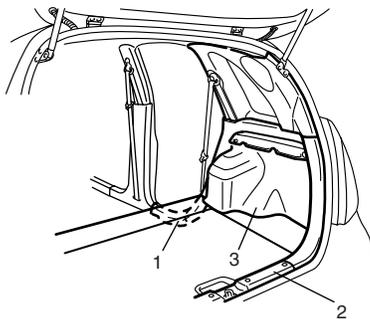
[A]: LH steering vehicle
[B]: RH steering vehicle

Rear Wiper Intermittent Relay Removal and Installation

S3RH0A9406010

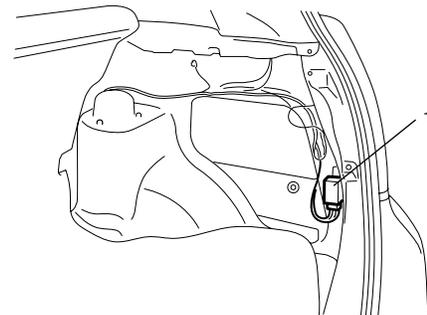
Removal

- 1) Disconnect negative (-) cable from battery.
- 2) Remove rear side still scuff (1), rear luggage end garnish (2) and quarter inner trim (3).



I3RH0A940006

- 3) Remove rear wiper intermittent relay (1) from vehicle.



I3RH0A940007

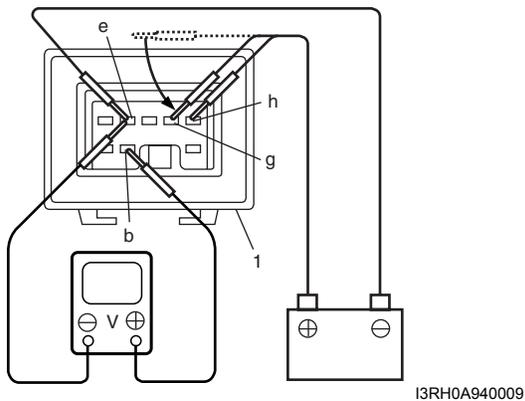
Installation

Reverse removal procedure.

Rear Wiper Intermittent Relay Inspection

S3RH0A9406011

- 1) Check INT circuit as follows.
 - a) Connect battery positive (+) terminal to “h” terminal and battery negative (-) terminal to “e” terminal.
 - b) Check that voltage between “b” terminal and “e” terminal changes from 0 V to battery voltage when connecting battery positive (+) terminal to “g” terminal.
If check result is not satisfied, replace relay.

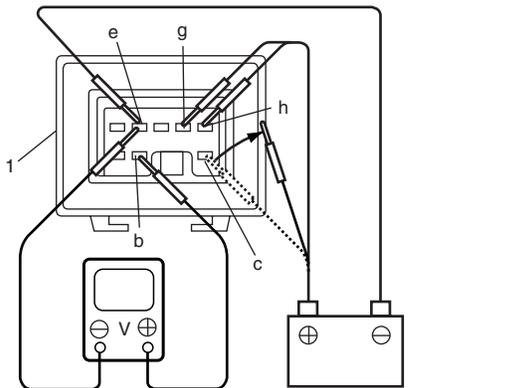
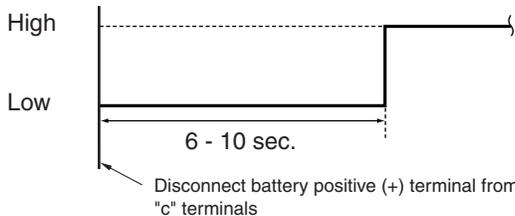


I3RH0A940009

1. Rear wiper intermittent relay

- c) Connect battery positive (+) terminal to "c" terminal.
- d) Check that voltage between "b" and "e" terminals changes as in below figure when disconnecting battery positive (+) terminal from "c" terminal. If check result is not satisfied, replace relay.

Voltage between "b" and "e" terminals

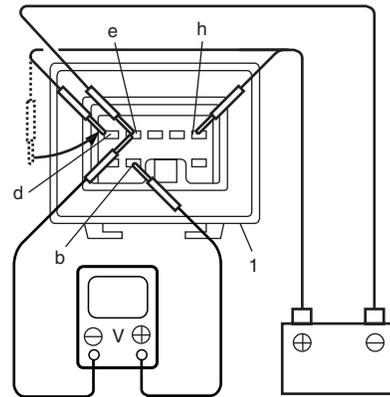
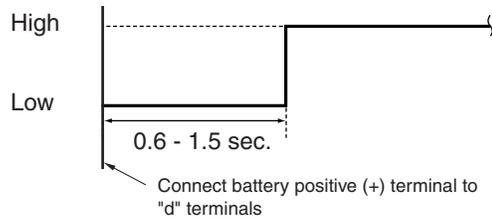


I3RH0A940008

1. Rear wiper intermittent relay

- 2) Check WIPER AND WASH circuit as follows.
 - a) Connect battery positive (+) terminal to "h" terminal and battery negative (-) terminal to "e" terminal.
 - b) Check that voltage between "b" terminal and "e" terminal changes as below figure when connecting battery positive (+) terminal to "d". If check result is not satisfied, replace relay.

Voltage between "b" and "e"

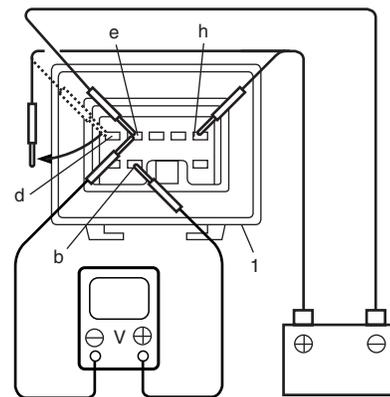
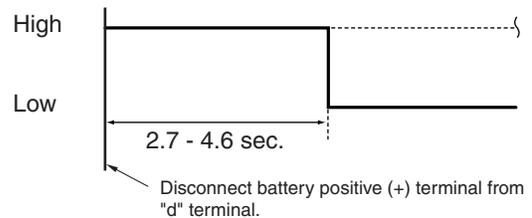


I3RH0A940010

1. Rear wiper intermittent relay

- c) Check that voltage between "b" terminal and "e" terminal changes as below figure when disconnecting battery positive (+) terminal from "d". If check result is not satisfied, replace relay.

Voltage between "b" and "e"



I3RH0A940011

1. Rear wiper intermittent relay