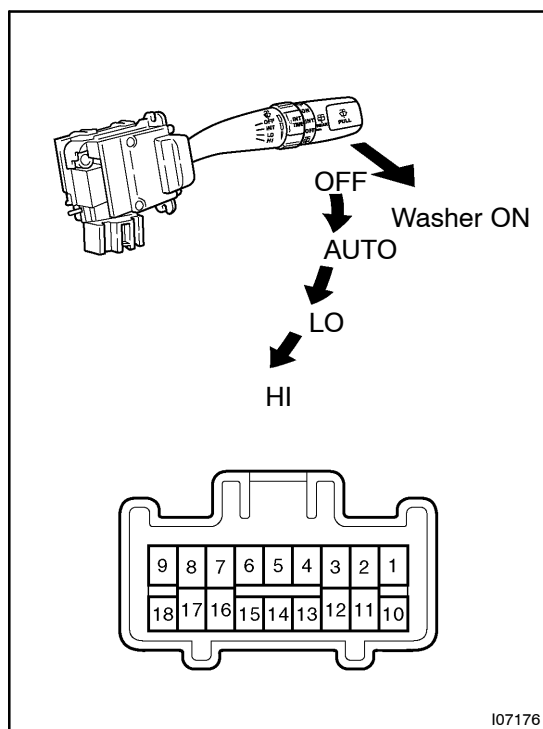


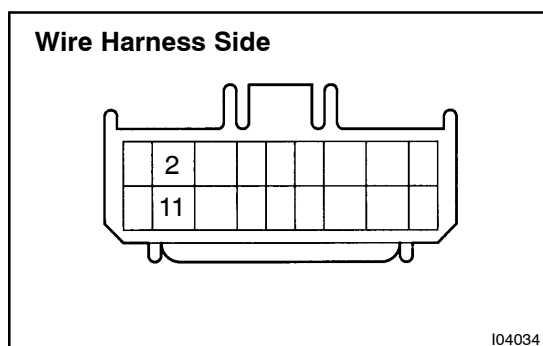


INSPECTION

1. INSPECT FRONT WIPER AND WASHER SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
OFF	7 - 16	Continuity
AUTO	7 - 16, 4 - 14	Continuity
LO	7 - 17	Continuity
HI	8 - 17	Continuity
Washer OFF	-	No continuity
Washer ON	2 - 11	Continuity

If continuity is not as specified, replace the switch.



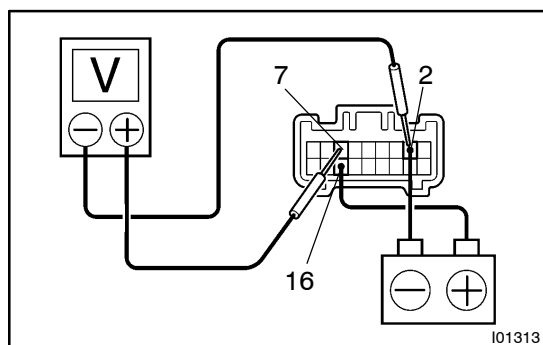
Wire Harness Side

2. INSPECT FRONT WIPER AND WASHER SWITCH CIRCUIT

Disconnect the connector from the motor and inspect the connector on the wire harness side, as shown.

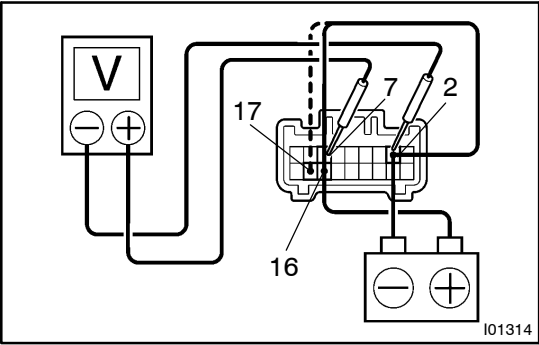
Tester connection	Condition	Specified condition
2 - Ground	Always	Continuity
11 - Ground	Ignition switch LOCK or ACC	No voltage
11 - Ground	Ignition switch ON	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.

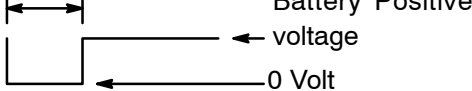
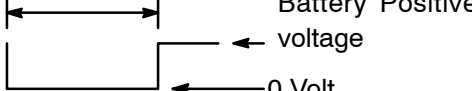


3. INSPECT FRONT WIPER INTERMITTENT OPERATION

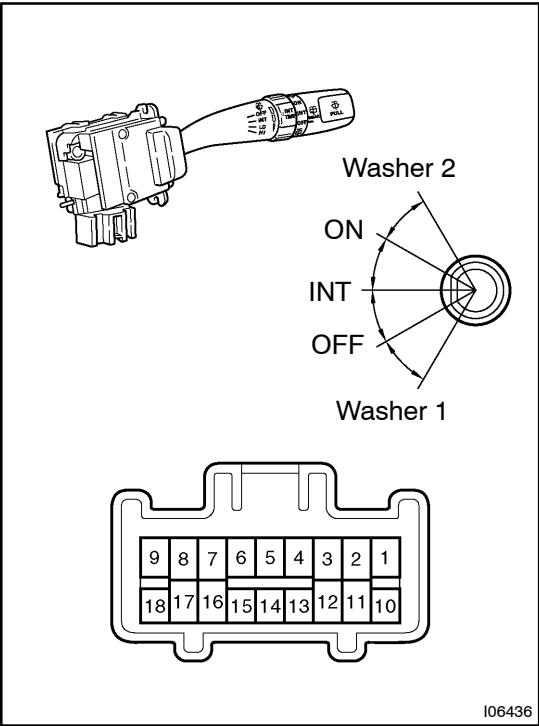
- Turn the wiper switch to INT position.
- Turn the intermittent time control switch to FAST position.
- Connect the battery positive (+) lead to terminal 16 and the battery negative (-) lead to terminal 2.
- Connect the voltmeter positive (+) lead to terminal 7 and the voltmeter negative (-) lead to terminal 2, and check that the meter needle indicates battery voltage.



- (e) After connecting terminal 16 to terminal 17, connect to terminal 2 to terminal 17, check the voltage rises from 0 volts to battery voltage within the times as shown in the table.

INT time control switch position	Voltage
FAST	0.6 – 2.6 sec. 
SLOW	5.7 – 15.7 secs. 

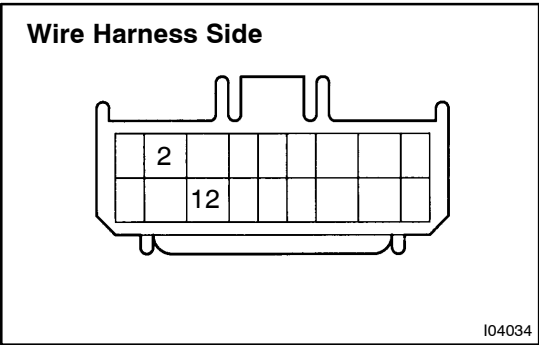
If operation is not as specified, replace the wiper and washer switch.



4. INSPECT REAR WIPER AND WASHER SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
Washer 1	2 – 12	Continuity
OFF	–	No Continuity
INT	2 – 13	Continuity
ON	2 – 10	Continuity
Washer 2	2 – 10 – 12	Continuity

If continuity is not as specified, replace the switch.

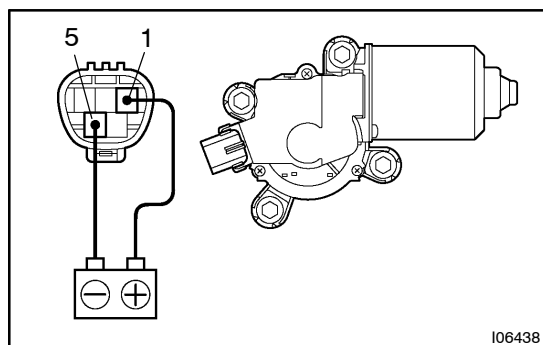


5. INSPECT REAR WIPER AND WASHER SWITCH CIRCUIT

Disconnect the connector from the motor and inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
2 – Ground	Always	Continuity
12 – Ground	Ignition switch ON	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.

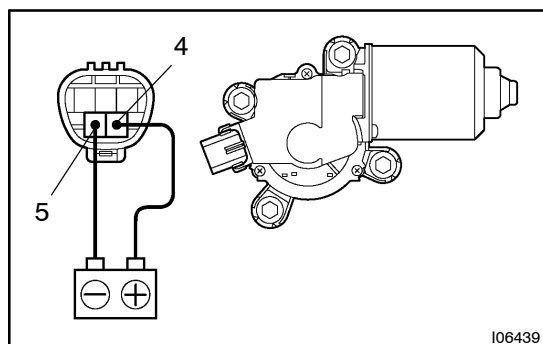


6. Low Speed:

INSPECT FRONT WIPER MOTOR OPERATION

Connect the battery positive (+) lead to terminal 1 and the battery negative (-) lead to terminal 5, and check that the motor operates at low speed.

If operation is not as specified, replace the motor.

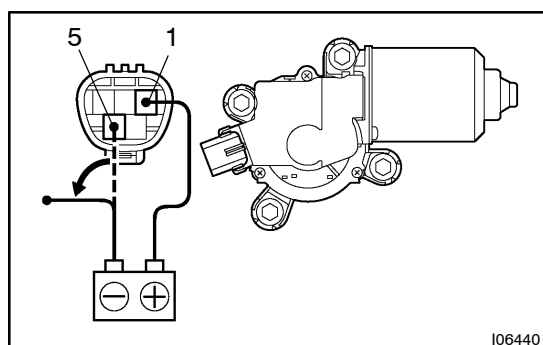


7. High Speed:

INSPECT FRONT WIPER MOTOR OPERATION

Connect the battery positive (+) lead to terminal 4 and the battery negative (-) lead to terminal 5, and check that the motor operates at high speed.

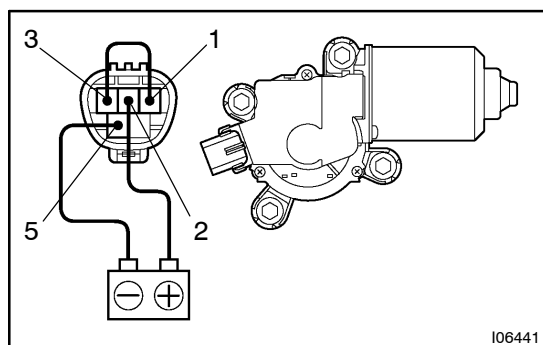
If operation is not as specified, replace the motor.



8. Stopping at Stop Position:

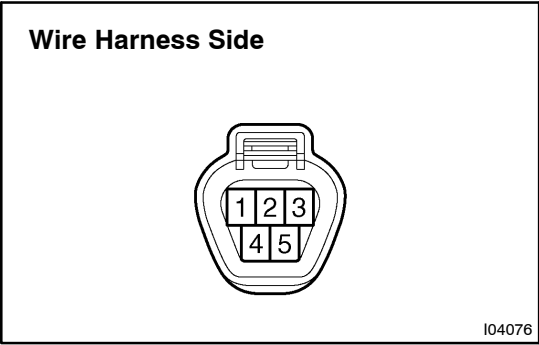
INSPECT FRONT WIPER MOTOR OPERATION

- (a) Operate the motor at low speed and stop the motor operation anywhere except at the stop position by disconnecting the battery positive (+) lead from terminal 1.



- (b) Connect terminals 1 and 3.
 (c) Connect the battery positive (+) lead to terminal 2 and the battery negative (-) lead to terminal 5, and check that the motor stops running at the stop position after the motor operates again.

If operation is not as specified, replace the motor.

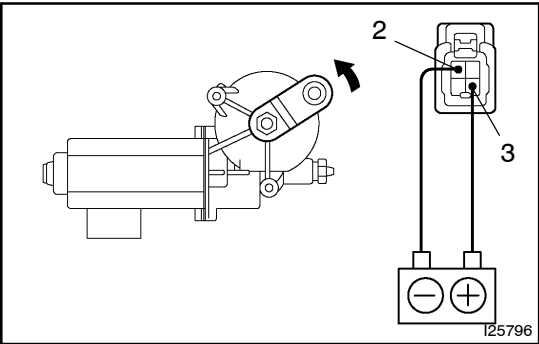


**9. Connector disconnected:
INSPECT FRONT WIPER MOTOR CIRCUIT**

Disconnect the connector from the motor and inspect the connector on the wire harness side, as shown.

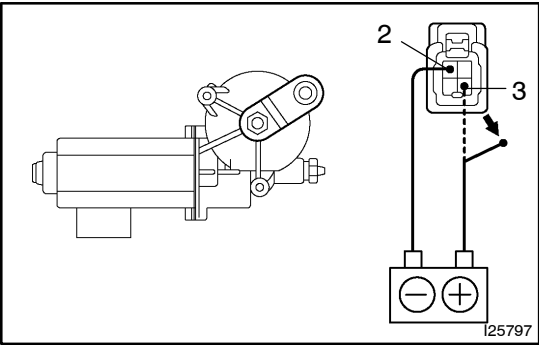
Tester connection	Condition	Specified condition
5 - Ground	Always	Continuity
2 - Ground	Ignition switch LOCK or ACC	No voltage
2 - Ground	Ignition switch ON	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.



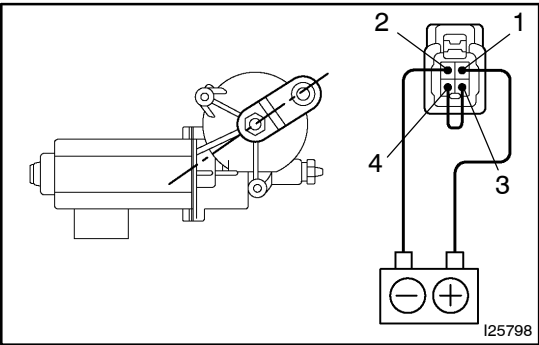
**10. Low Speed:
INSPECT REAR WIPER MOTOR OPERATION**

Connect the battery positive (+) lead to terminal 3 and the battery negative (-) lead to terminal 2, and check that the motor operates at low speed.
If operation is not as specified, replace the motor.



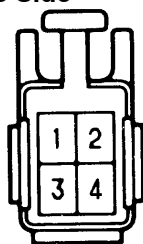
**11. Stopping at Stop Position:
INSPECT REAR WIPER MOTOR OPERATION**

(a) Operate the motor at low speed and stop the motor operation anywhere except at the stop position by disconnecting positive (+) lead from terminal 3.



(b) Connect terminals 3 and 4.
(c) Connect the battery positive (+) lead to terminal 1 and the battery negative (-) lead to terminal 2, and check that the motor stops running at the stop position after the motor operates again.

If operation is not as specified, replace the motor.

Wire Harness Side

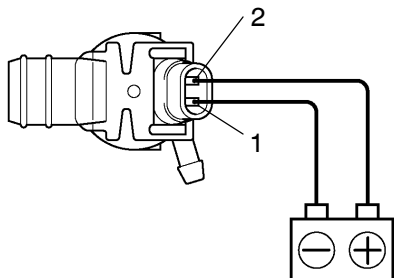
I04032

**12. Connector disconnected:
INSPECT REAR WIPER MOTOR CIRCUIT**

Disconnect the connector from the motor and inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
1 – Ground	Ignition switch OFF or ACC	No voltage
1 – Ground	Ignition switch ON	Battery positive voltage
2 – Ground	Always	Continuity
3 – 4	Always	Continuity

If circuit is not as specified, inspect the circuits connected to other parts.



I01975

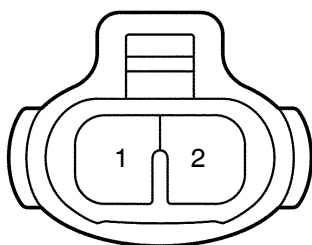
13. INSPECT FRONT WASHER MOTOR OPERATION

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

NOTICE:

These tests must be performed quickly (within 20 seconds) to prevent the coil from burning out.

If operation is not as specified, replace the motor.

Wire Harness Side

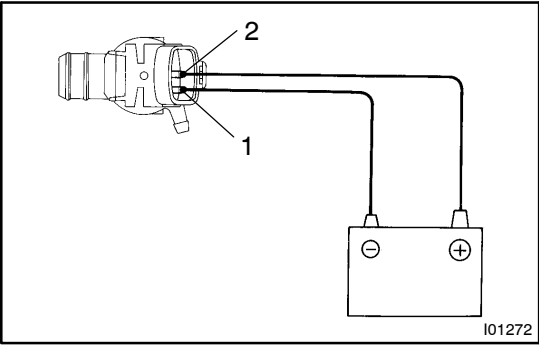
I07240

**14. Connector disconnected:
INSPECT FRONT WASHER MOTOR CIRCUIT**

Disconnect the connector from the motor and inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
2 – Ground	Ignition switch ON	Battery positive voltage

If circuit is not as specified, inspect the power source and wire harness.



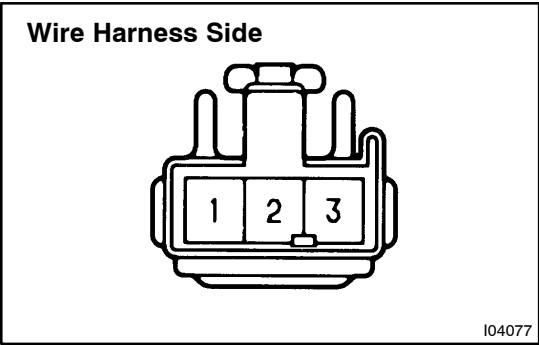
15. INSPECT REAR WASHER MOTOR OPERATION

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

NOTICE:

These tests must be performed quickly (within 20 seconds) to prevent the coil from burning out.

If operation is not as specified, replace the motor.



16. Connector disconnected:

INSPECT REAR WASHER MOTOR CIRCUIT

Disconnect the connector from the motor and inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
2 - Ground	Ignition switch ON	Battery positive voltage

If circuit is not as specified, inspect the power source, the wire harness and the wiper switch.

17. INSPECT REAR WIPER RELAY OPERATION (See page [DI-1408](#))

18. INSPECT REAR WIPER RELAY INTERMITTENT OPERATION (See Page [DI-1408](#))