

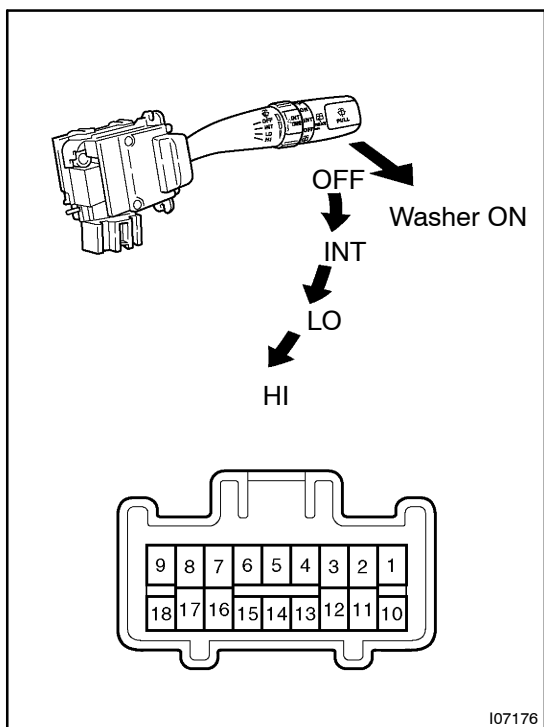
## INSPECTION

### 1. LHD Models :

#### INSPECT FRONT WIPER AND WASHER SWITCH CONTINUITY

| Switch position | Tester connection | Specified condition |
|-----------------|-------------------|---------------------|
| OFF             | 7 – 16            | Continuity          |
| INT             | 7 – 16            | 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.

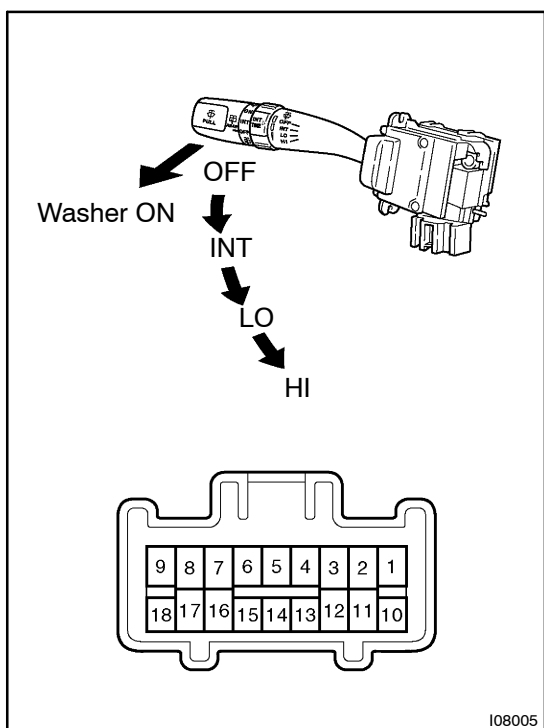


### 2. RHD Models :

#### INSPECT FRONT WIPER AND WASHER SWITCH CONTINUITY

| Switch position | Tester connection | Specified condition |
|-----------------|-------------------|---------------------|
| OFF             | 3 – 12            | Continuity          |
| INT             | 3 – 12            | Continuity          |
| LO              | 3 – 11            | Continuity          |
| HI              | 2 – 11            | Continuity          |
| Washer OFF      | –                 | No continuity       |
| Washer ON       | 8 – 17            | Continuity          |

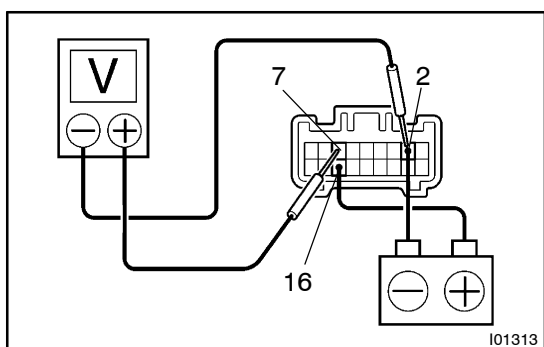
If continuity is not as specified, replace the switch.

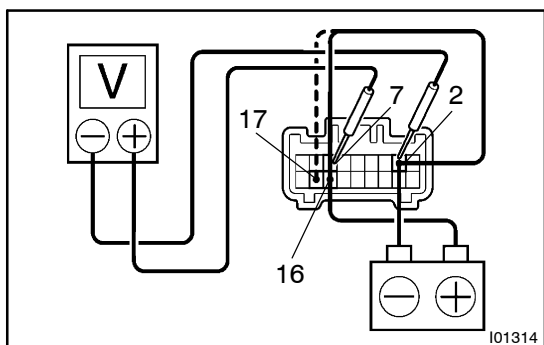


### 3. LHD Models :

#### INSPECT FRONT WIPER INTERMITTENT OPERATION

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

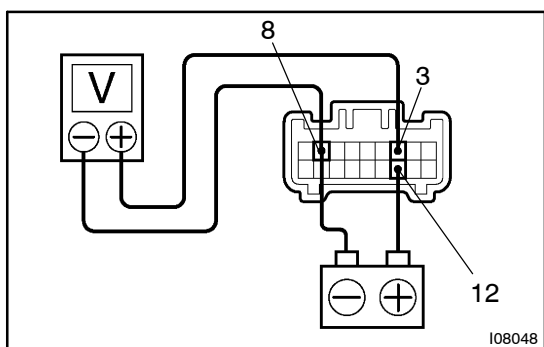




- (e) After connecting terminal 2 to terminal 16, connect to terminal 2 to terminal 17, check the voltage rises from 0 volts to battery voltage within the times, as shown in the table.

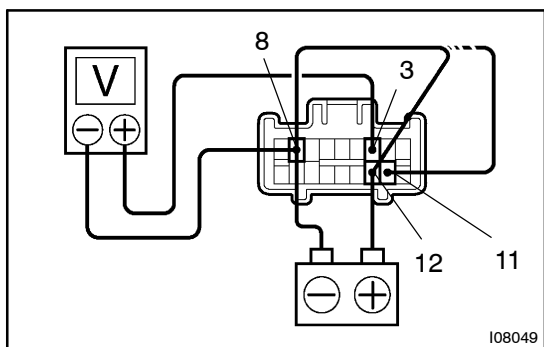
| INT time control switch position | Voltage              |
|----------------------------------|----------------------|
| FAST                             | 0.6 – 2.6 sec.<br>   |
| SLOW                             | 5.7 – 15.7 secs.<br> |

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



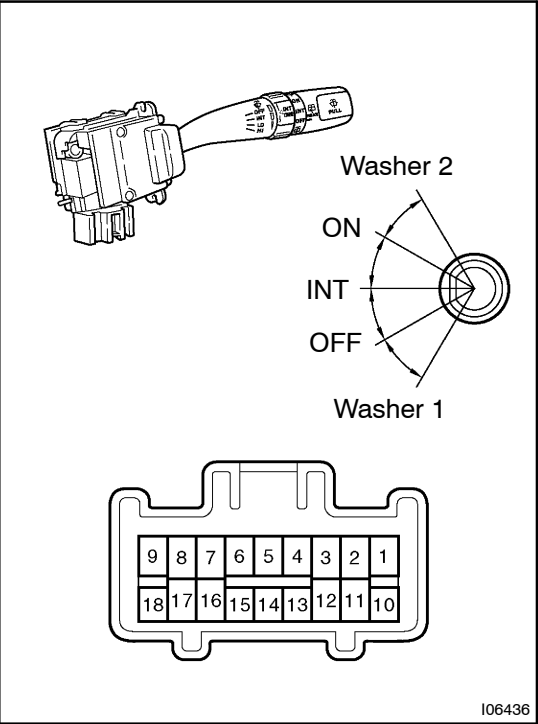
#### 4. RHD Models : INSPECT FRONT WIPER INTERMITTENT OPERATION

- Turn the wiper switch to INT position.
- Turn the intermittent time control switch to FAST position.
- Connect the positive (+) lead from the battery to terminal 12 and the negative (–) lead to terminal 8.
- Connect the positive (+) lead from the voltmeter to terminal 3 and the negative (–) lead to terminal 8, check that the meter needle indicates battery voltage.
- After connecting terminal 8 to terminal 12, connect to terminal 8 to terminal 11, 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.<br>   |
| SLOW                             | 5.7 – 15.7 secs.<br> |

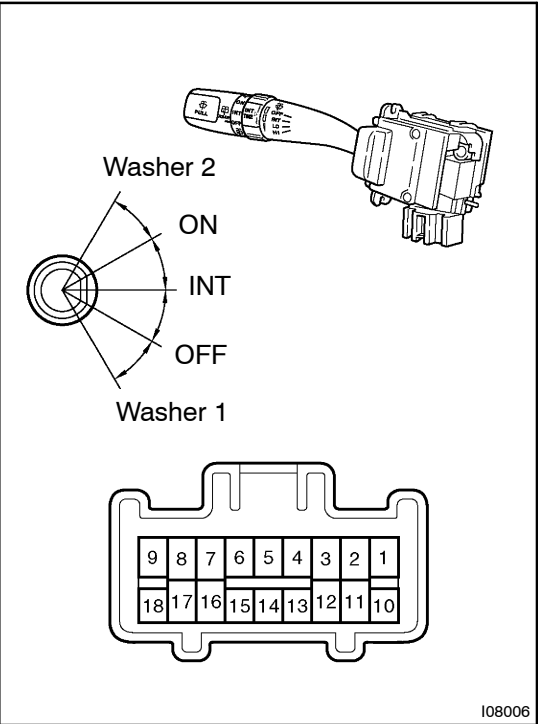
If operation is not as specified, replace the wiper and washer switch.



**5. LHD Models :  
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          |

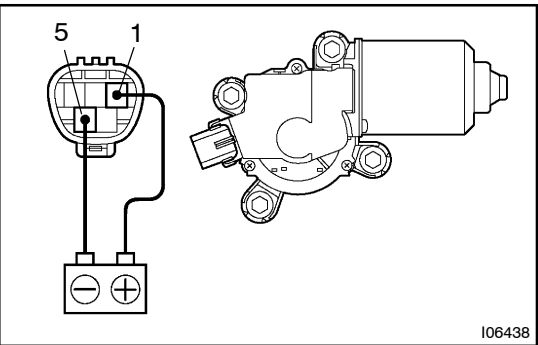
If continuity is not as specified, replace the switch.



**6. RHD Models :  
INSPECT REAR WIPER AND WASHER SWITCH CONTINUITY**

| Switch position | Tester connection | Specified condition |
|-----------------|-------------------|---------------------|
| Washer 1        | 8 – 16            | Continuity          |
| OFF             | –                 | No Continuity       |
| INT             | 8 – 15            | Continuity          |
| ON              | 8 – 18            | Continuity          |
| Washer 2        | 8 – 16 – 18       | Continuity          |

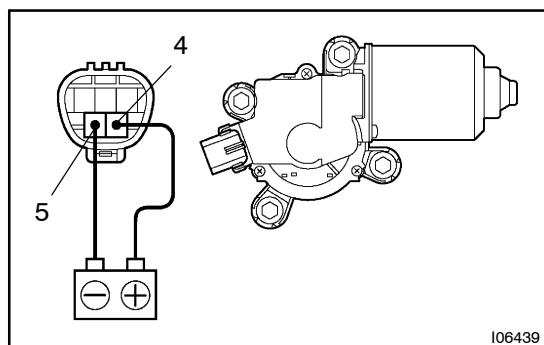
If continuity is not as specified, replace the switch.



**7. LHD Models :  
INSPECT FRONT WIPER MOTOR OPERATION  
Low Speed:**

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

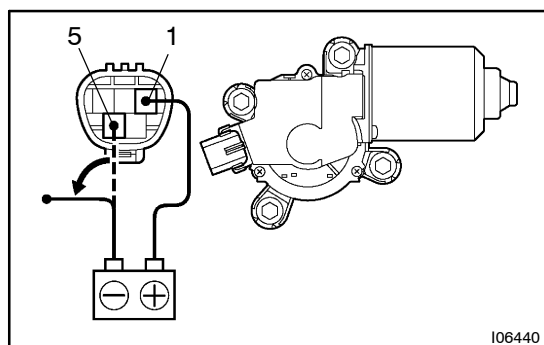
If operation is not as specified, replace the motor.



**8. LHD Models :  
INSPECT FRONT WIPER MOTOR OPERATION  
High Speed:**

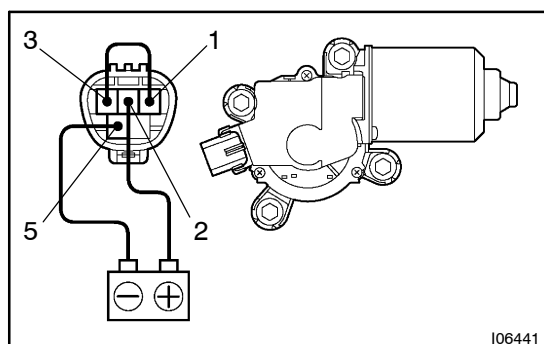
Connect the positive (+) lead from the battery to terminal 4 and the negative (-) lead to terminal 5, check that the motor operates at high speed.

If operation is not as specified, replace the motor.



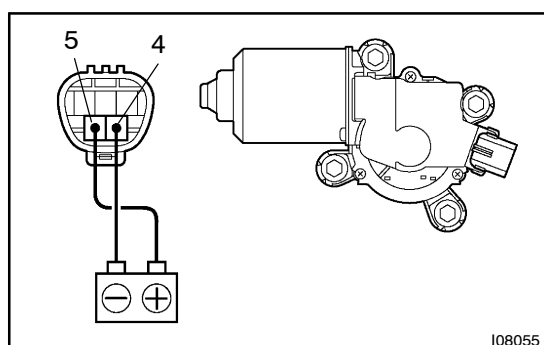
**9. LHD Models :  
INSPECT FRONT WIPER MOTOR OPERATION  
Stopping at Stop Position:**

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



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

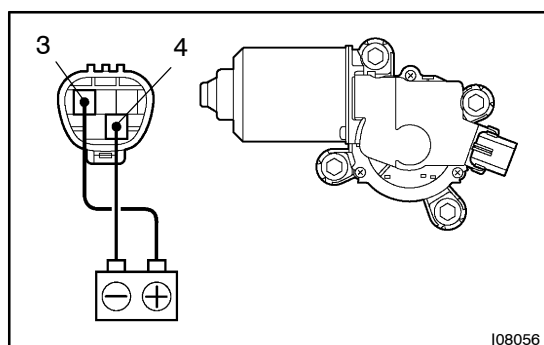
If operation is not as specified, replace the motor.



**10. RHD Models :  
INSPECT FRONT WIPER MOTOR OPERATION  
Low Speed:**

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

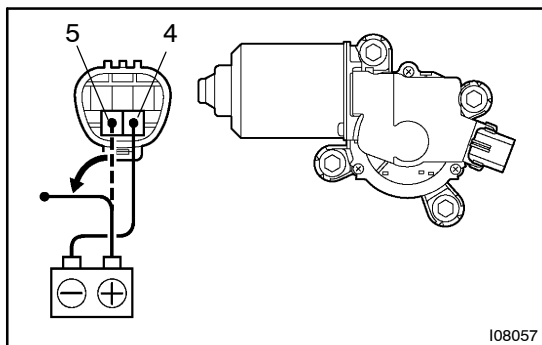
If operation is not as specified, replace the motor.



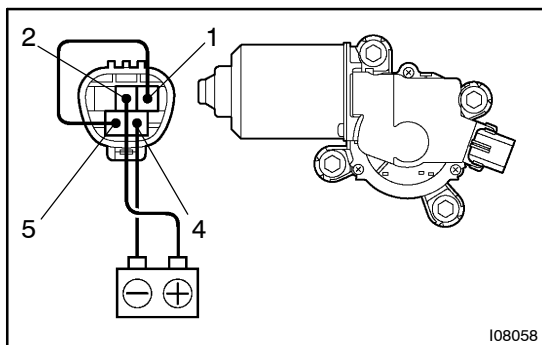
**11. RHD Models :  
INSPECT FRONT WIPER MOTOR OPERATION  
High Speed:**

Connect the positive (+) lead from the battery to terminal 3 and the negative (-) lead to terminal 4, check that the motor operates at high speed.

If operation is not as specified, replace the motor.

**12. RHD Models :****INSPECT FRONT WIPER MOTOR OPERATION****Stopping at Stop Position:**

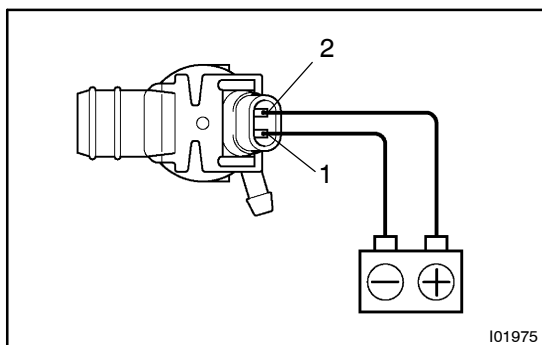
- (a) Operate the motor at low speed and stop the motor operation anywhere except at the stop position by disconnecting positive (+) lead from terminal 5.



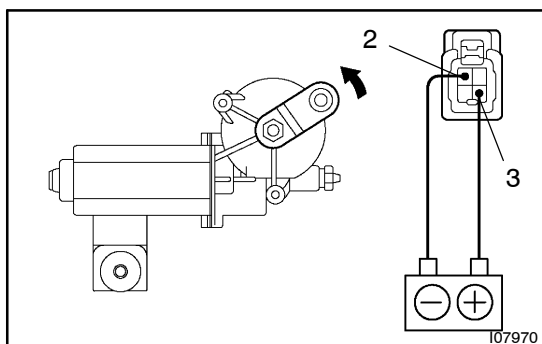
- (b) Connect terminals 1 and 5.

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

If operation is not as specified, replace the motor.

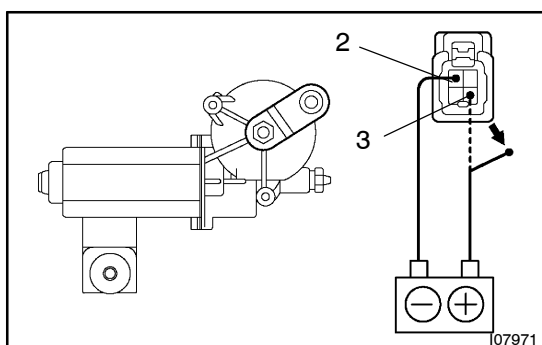
**13. INSPECT FRONT WASHER MOTOR OPERATION**

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

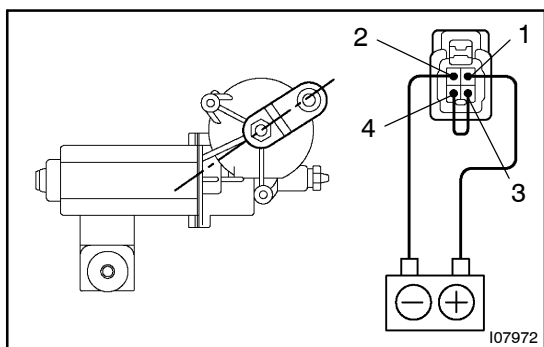
**14. INSPECT REAR WIPER MOTOR OPERATION****Low Speed:**

Connect the positive (+) lead from the battery to terminal 3 and negative (-) lead to terminal 2, check that the motor operates at low speed.

If operation is not as specified, replace the motor.

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

- (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 positive (+) lead from the battery to terminal 1 and negative (-) lead to terminal 2, check that the motor stops running at the stop position after the motor operates again.

If operation is not as specified, replace the motor.

**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.

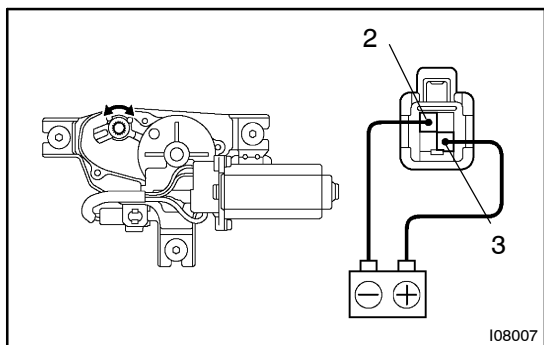
**16. Swing Out Type RH :**

**INSPECT REAR WIPER MOTOR OPERATION**

**Low Speed:**

Connect the positive (+) lead from the battery to terminal 3 and negative (-) lead to terminal 2, check that the motor operates at low speed.

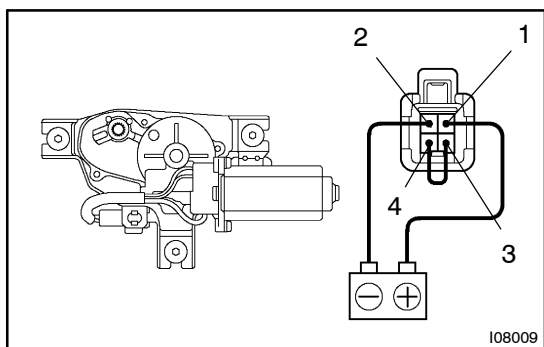
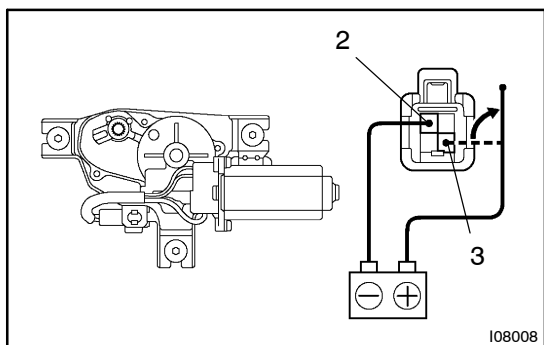
If operation is not as specified, replace the motor.



**17. INSPECT REAR WIPER MOTOR OPERATION**

**Stopping at Stop Position:**

- (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 positive (+) lead from the battery to terminal 1 and negative (-) lead to terminal 2, check that the motor stops running at the stop position after the motor operates again.

If operation is not as specified, replace the motor.

**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.

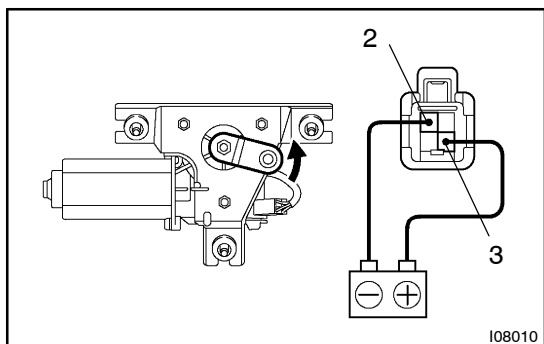
**18. Swing Out Type LH :**

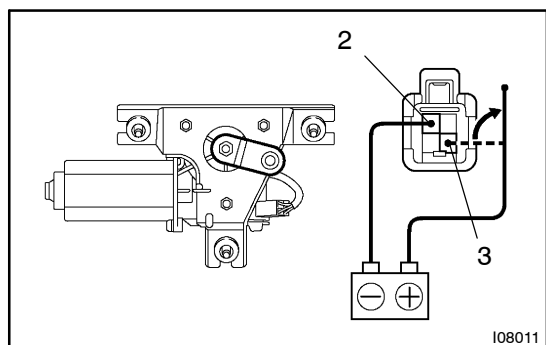
**INSPECT REAR WIPER MOTOR OPERATION**

**Low Speed:**

Connect the positive (+) lead from the battery to terminal 3 and negative (-) lead to terminal 2, check that the motor operates at low speed.

If operation is not as specified, replace the motor.

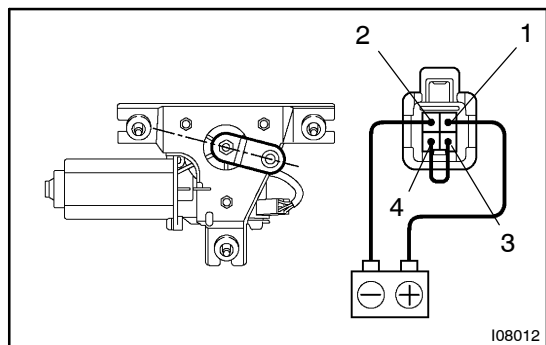




## 19. INSPECT REAR WIPER MOTOR OPERATION

### Stopping at Stop Position:

- (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.



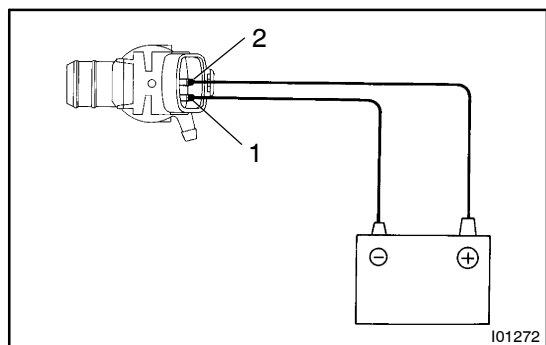
- (b) Connect terminals 3 and 4.  
(c) Connect the positive (+) lead from the battery to terminal 1 and negative (-) lead to terminal 2, check that the motor stops running at the stop position after the motor operates again.

If operation is not as specified, replace the motor.

### 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.



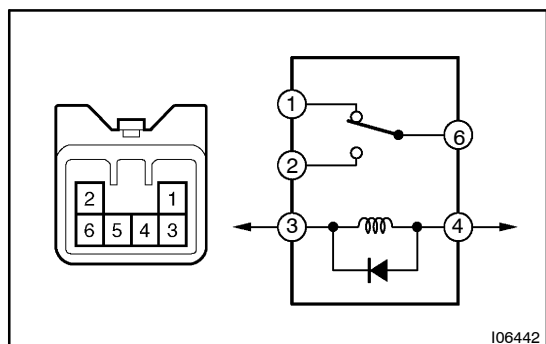
## 20. INSPECT REAR WASHER MOTOR OPERATION

Connect the positive (+) lead from the battery to terminal 2 and the 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.



## 21. INSPECT REAR WIPER RELAY CONTINUITY

| Condition                           | Tester connection | Specified condition |
|-------------------------------------|-------------------|---------------------|
| Constant                            | 1 – 5    3 – 4    | Continuity          |
| Apply B+ between terminals 3 and 4. | 2 – 5             | Continuity          |

## 22. INSPECT REAR WIPER RELAY OPERATION (See page DI-767)

## 23. INSPECT REAR WIPER RELAY INTERMITTENT OPERATION (See page DI-767)