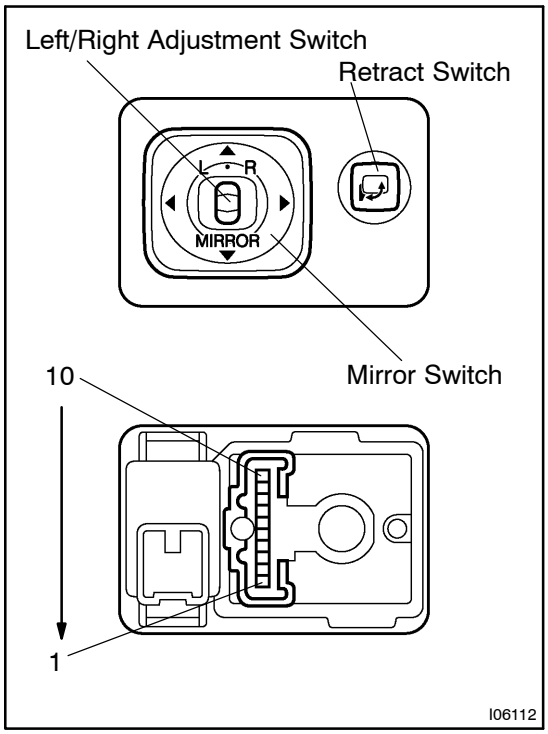
BE2GE–01



INSPECTION

1. INSPECT LEFT SIDE MIRROR SWITCH CONTINUITY

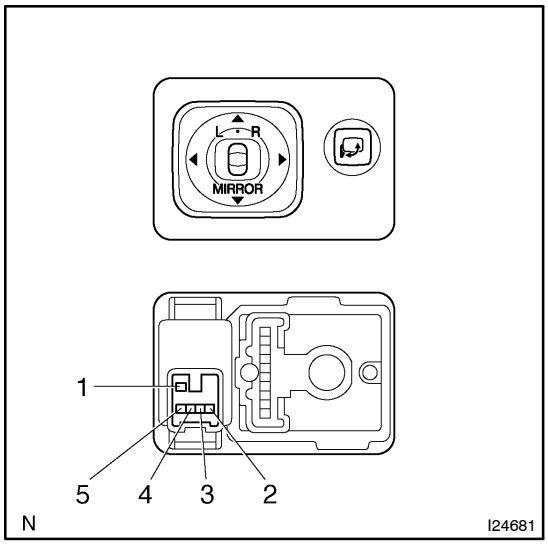
Switch position	Tester connection	Specified condition
OFF	–	No continuity
UP	3 – 4 1 – 7 – 8	Continuity
DOWN	1 – 3 – 8 4 – 7	Continuity
LEFT	4 – 9 1 – 7 – 8	Continuity
RIGHT	4 – 7 1 – 8 – 9	Continuity

If the continuity is not as specified, replace the switch.
If the continuity is as specified. inspect the switch circuit.

2. INSPECT RIGHT SIDE MIRROR SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
OFF	–	No continuity
UP	2 – 4 1 – 7 – 8	Continuity
DOWN	4 – 7 1 – 2 – 8	Continuity
LEFT	4 – 10 1 – 7 – 8	Continuity
RIGHT	4 – 7 1 – 8 – 10	Continuity

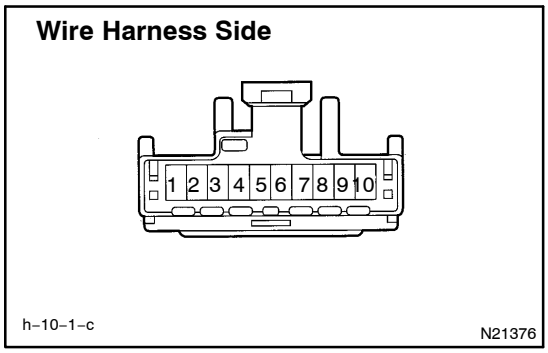
If the continuity is not as specified, replace the switch.
If the continuity is as specified. inspect the switch circuit.



3. INSPECT RETRACT SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
RETURN	1 – 5 2 – 4	Continuity
RETRACT	1 – 2 4 – 5	Continuity

If the continuity is not as specified, replace the switch.
If the continuity is as specified. inspect the switch circuit.

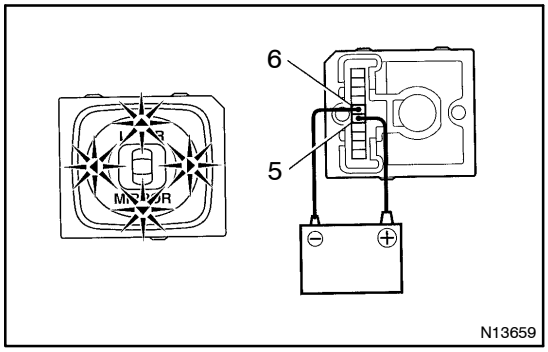


4. INSPECT MIRROR SWITCH CIRCUIT

Disconnect the connector from the switch and inspect the connector on the wire harness side.

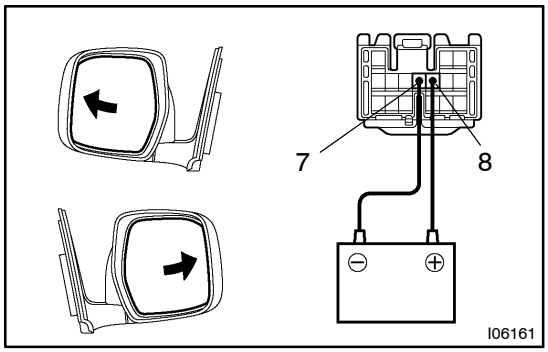
Tester connection	Condition	Specified condition
8 – Ground	Always	Continuity
4 – Ground	Ignition switch position LOCK	No voltage
4 – Ground	Ignition switch position ACC or ON	Battery positive voltage

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



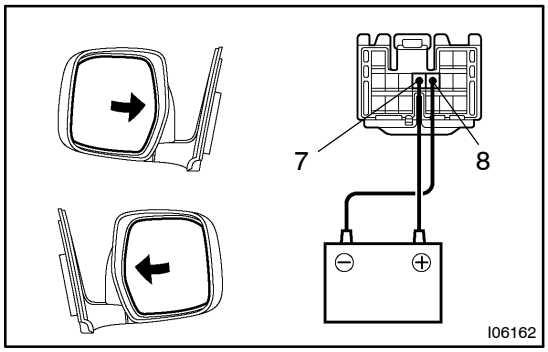
5. INSPECT INDICATOR LIGHT OPERATION

Connect the battery positive (+) lead to terminal 5 and the battery negative (–) lead to terminal 6. If the indicator light does not come on, replace the switch.

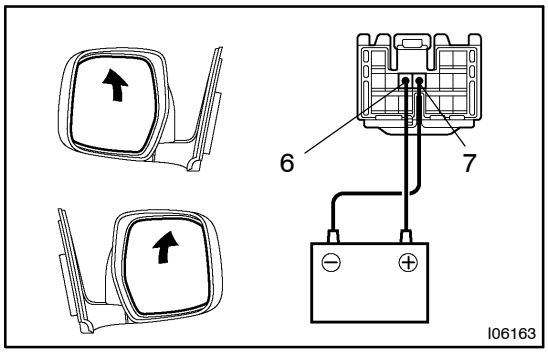


6. INSPECT MIRROR MOTOR OPERATION

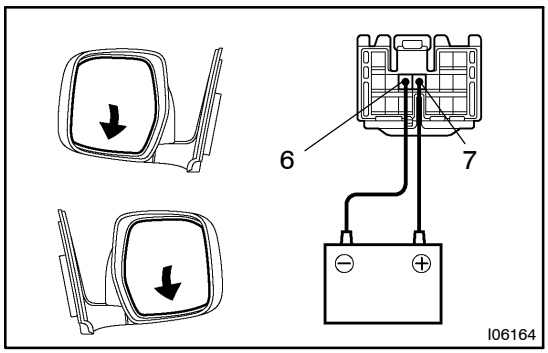
(a) Connect the battery positive (+) lead to terminal 8 and the battery negative (–) lead to terminal 7, and check that the mirror turns to the left side.



(b) Reverse the polarity, and check that the mirror turns to the right side.

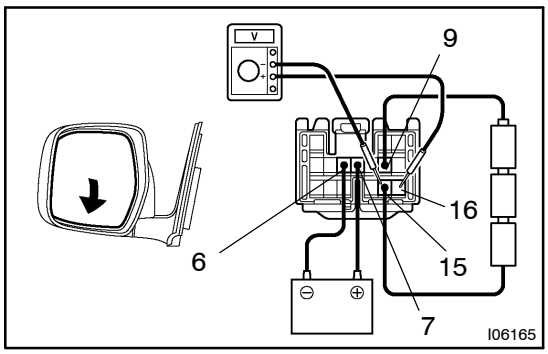


(c) Connect the battery positive (+) lead to terminal 6 and the battery negative (–) lead to terminal 7, and check that the mirror turns upward.



(d) Reverse the polarity, and check that the mirror turns downward.

If operation is not as specified, replace the mirror assembly.



7. w/ Driving Position Memory only:
INSPECT MIRROR POSITION SENSORS OPERATION

HINT:

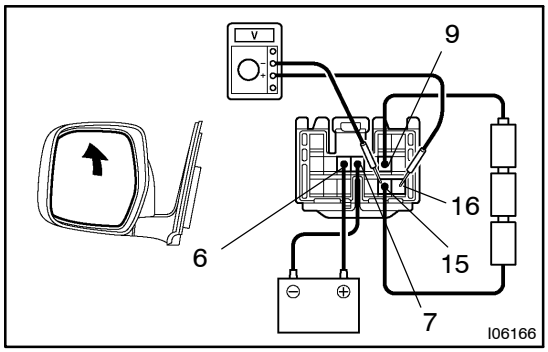
Strip off the vinyl tape on the connector and remove terminal 6, 7, 9, 10, 15 and 16 from the connector housing.

(a) Connect a series of three 1.5 V dry cell batteries.

(b) Connect the positive (+) lead from the dry cell batteries to terminal 9 and its negative (–) lead to terminal 15.

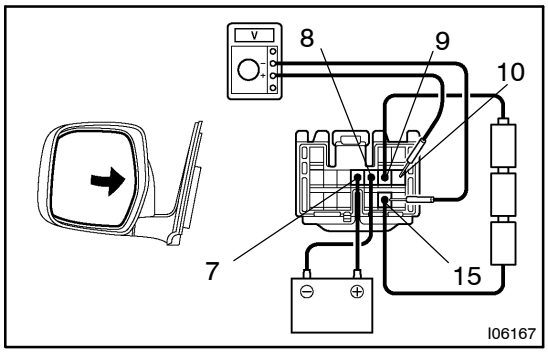
(c) Connect the voltmeter positive (+) lead to terminal 16 and the voltmeter negative (–) lead to terminal 15.

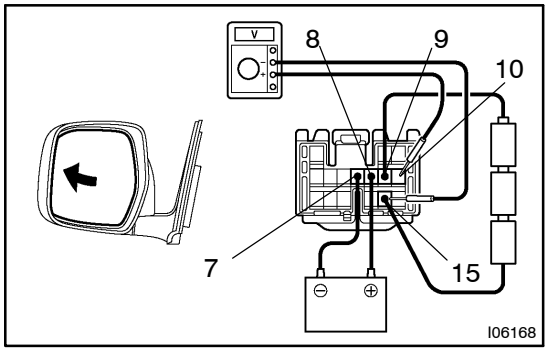
(d) Apply battery positive voltage to terminal 7 and 6, then check that the voltage gradually changes as shown in the table below while the mirror moves between the uppermost position and the lowermost position.



Mirror position	Lowermost	Mirror position	Uppermost
Voltage	2.8 – 5.0	Changes gradually	0 – 1.8

If the voltage value is not as specified, replace the motor assembly.





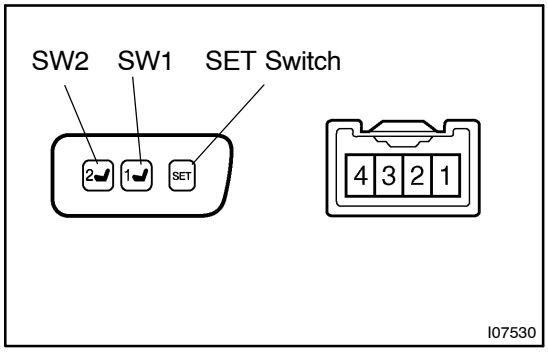
(e) Disconnect the 4 leads of the battery and voltmeter.

(f) Connect the voltmeter positive (+) lead to terminal 10 and the voltmeter negative (–) lead to terminal 15.

(g) Apply battery positive voltage to terminal 7 and 8, then inspect that the voltage gradually changes as shown in the table below while the mirror moves between the left–most position and right–most position.

Mirror position	Left–most	Mirror position	Right–most
Voltage LEFT	2.8 – 5.0	Changes gradually	0 – 1.8
Voltage RIGHT	0 – 1.8	Changes gradually	2.8 –5.0

If the voltage value is not as specified, replace the motor assembly.

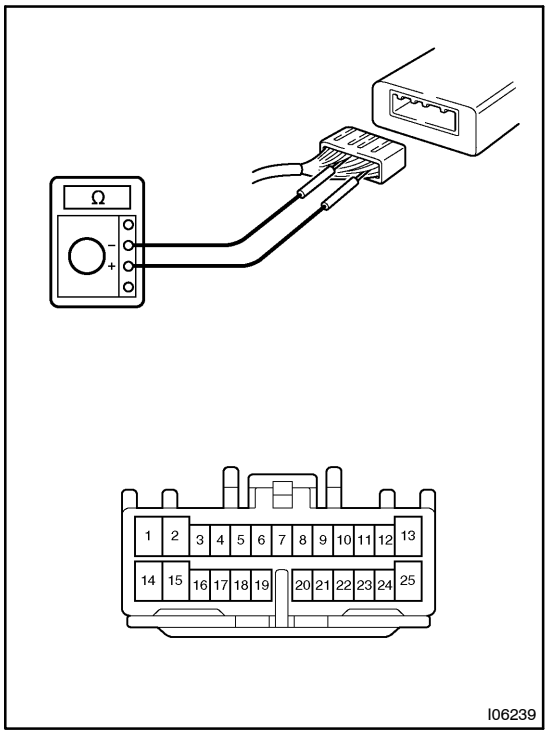


8. INSPECT DRIVING POSITION MEMORY AND RETURN SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
SET switch ON	3 – 4	Continuity
Return SW1 ON	2 – 3	Continuity
Return SW2 ON	1 – 3	Continuity

If the continuity is not as specified, replace the switch.

9. INSPECT DRIVING POSITION MEMORY AND RETURN SWITCH CIRCUIT (See page DI–1278)

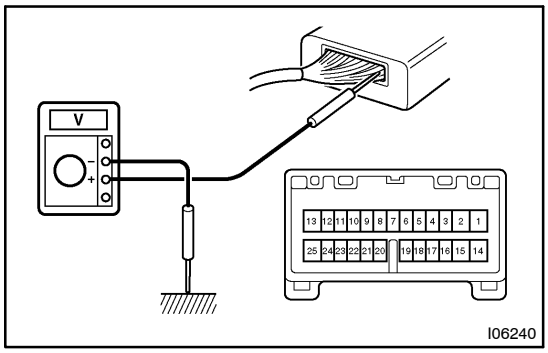


10. INSPECT MIRROR CONTROL ECU CIRCUIT

Disconnect the connector from ECU and inspect the connector on the wire harness side.

Tester connection	Condition	Specified condition
3 – 16	Right side mirror switch to RIGHT	Continuity
4 – 16	Left side mirror switch to RIGHT	Continuity
5 – 16	Right side mirror switch to DOWN	Continuity
6 – 16	Left side mirror switch to DOWN	Continuity
3 – 17	Right side mirror switch to LEFT	Continuity
4 – 17	Left side mirror switch to LEFT	Continuity
5 – 17	Right side mirror switch to UP	Continuity
6 – 17	Left side mirror switch to UP	Continuity
7 – 19	Constant	Continuity
14 – Ground	Constant	Continuity
1 – Ground	Constant	Battery positive voltage
2 – Ground	Ignition switch OFF	No voltage
2 – Ground	Ignition switch ACC or ON	Battery positive voltage

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



11. INSPECT MIRROR CONTROL ECU OPERATION

Connect the connectors, and using a voltmeter with high impedance (10 kΩ/V minimum), measure the voltage at each terminal and body ground.

Tester connection	Condition	Specified condition
3 – Ground	Always	About 5 V
4 – Ground	Always	About 5 V
5 – Ground	Always	About 5 V
6 – Ground	Always	About 5 V
7 – Ground	Right or left side mirror switch to any position except OFF	About 5 V
* 8 – Ground	Left side mirror to lowermost position	2.8 – 5.0 V
* 8 – Ground	Left side mirror to uppermost position	0 – 0.9 V
* 9 – Ground	Left side mirror to leftmost position	2.8 – 5.0 V
* 9 – Ground	Left side mirror to rightmost position	0 – 0.9 V
10 – Ground	Left side mirror switch to LEFT or DOWN	Battery positive voltage
11 – Ground	Left side mirror switch to RIGHT	Battery positive voltage
12 – Ground	Left side mirror switch to UP	Battery positive voltage
* 20 – Ground	Right side mirror to lowermost position	2.8 – 5.0 V
* 20 – Ground	Right side mirror to uppermost position	0 – 0.9 V
* 21 – Ground	Right side mirror to leftmost position	2.8 – 5.0 V
* 21 – Ground	Right side mirror to rightmost position	0 – 0.9 V
22 – Ground	Right side mirror switch to RIGHT or DOWN	Battery positive voltage
23 – Ground	Right side mirror switch to LEFT	Battery positive voltage
24 – Ground	Right side mirror switch to UP	Battery positive voltage

*: Confirm that the voltage changes gradually while the mirror moves.

If the operation is not as specified, inspect the wire harness, the mirror switch or the motor assembly. Then if these are correct, replace the ECU.