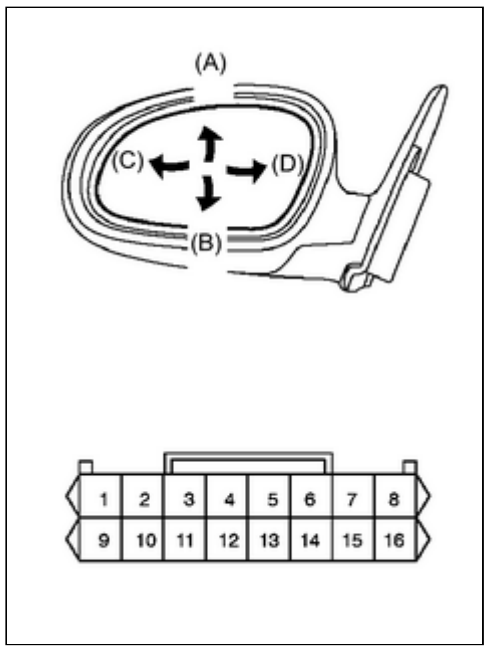
Last Modified: 4-23-2018	6.8:8.0.48	**Doc ID:** RM0000015DS01AX
Model Year Start: 2008	**Model:** SC430	**Prod Date Range:** [08/2007 -]
Title: MIRROR: OUTER REAR VIEW MIRROR: INSPECTION; 2008 MY SC430 [08/2007 -]		

INSPECTION

1. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY LH



(a) Disconnect the mirror connector.

(b) Apply battery voltage and check the operation of the mirror.

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 1 Battery negative (-) → Terminal 10	Turns upward (A)
Battery positive (+) → Terminal 10 Battery negative (-) → Terminal 1	Turns downward (B)
Battery positive (+) → Terminal 9 Battery negative (-) → Terminal 10	Turns left (C)
Battery positive (+) → Terminal 10 Battery negative (-) → Terminal 9	Turns right (D)

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

(c) Apply battery voltage and check the operation of the retractable mirror.*

HINT:

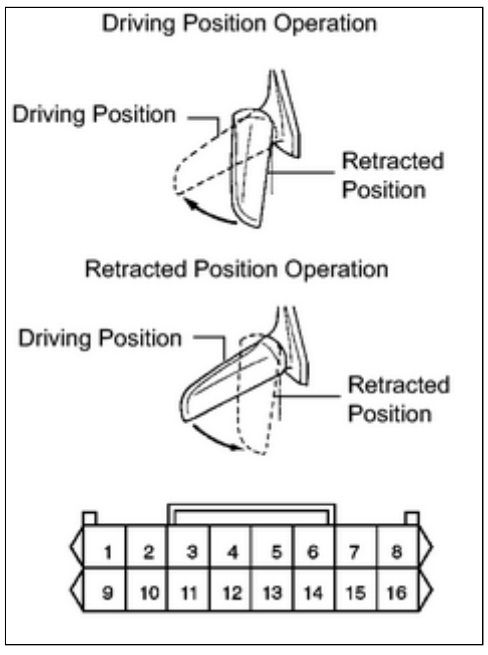
*: w/ Retractable Mirror

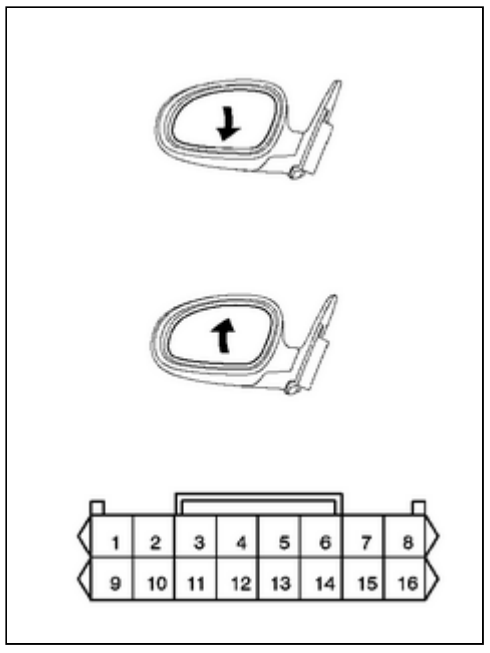
NOTICE:

- Disconnect and reconnect the battery between each mirror position check.
- The mirror position cannot be changed manually when the battery is connected. To change the mirror position manually, the battery must be disconnected first.

OK:

MEASUREMENT CONDITION	MIRROR CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 3 Battery negative (-) → Terminal 11	Retracted position	Moves from retracted position to driving position
Battery positive (+) → Terminal 11 Battery negative (-) → Terminal 13	Driving position	Moves from driving position to retracted position





(d) Inspect the mirror position sensor.

(1) Apply battery and dry cell battery voltage to the terminals as shown in the table below.

(2) Measure the voltage while the mirror moves between the fully downward and fully upward positions.

Standard voltage:

MEASUREMENT CONDITION (BATTERY)	MEASUREMENT CONDITION (DRY CELL BATTERY)	VOLTMETER CONDITION	MIRROR CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 10 Battery negative (-) → Terminal 1	Battery positive (+) →Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 6 Negative (-) lead → Terminal 14	Turns downward fully	2.8 to 5.0 V
Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 10	Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 6 Negative (-) lead → Terminal 14	Turns upward fully	0 to 1.0 V

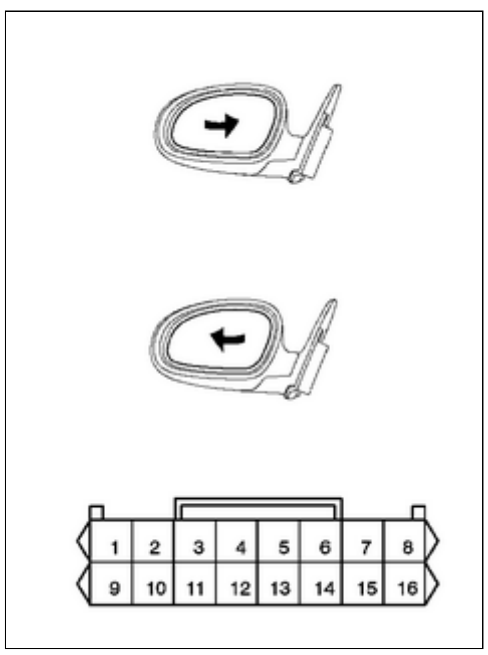
If the result is not as specified, replace the mirror assembly.

(3) Measure the voltage while the mirror moves between fully turned to the left and fully turned to the right.

Standard voltage:

MEASUREMENT CONDITION (BATTERY)	MEASUREMENT CONDITION (DRY CELL BATTERY)	VOLTMETER CONDITION	MIRROR CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 9 Battery negative (-) → Terminal 10	Battery positive (+) →Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 13 Negative (-) lead → Terminal 14	Turns to left fully	2.8 to 5.0 V
Battery positive (+) → Terminal 10 Battery negative (-) → Terminal 9	Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 13 Negative (-) lead → Terminal 14	Turns to right fully	0 to 1.0 V

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



(e) Inspect the mirror heater.

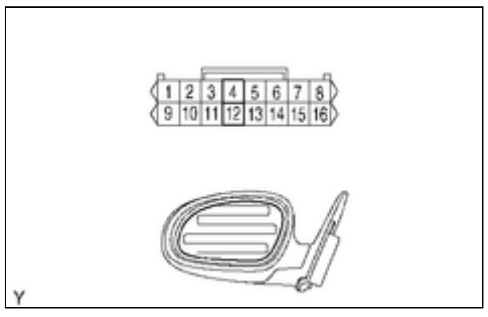
(1) Measure the resistance between terminals 4 and 12 of the connector.

Standard resistance:
3.57 to 4.83 Ω at 25°C (75°F)

(2) Apply battery voltage and check the operation of the mirror heater.

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 4 Battery negative (-) → Terminal 12	Mirror becomes warm



HINT:

It will take a short time for the mirror to become warm.

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

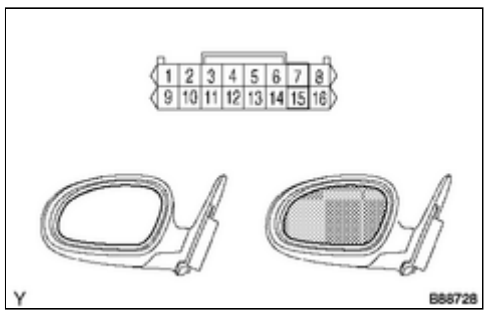
(f) Inspect the EC mirror.

(1) Apply battery voltage and check the operation of the mirror.

OK:

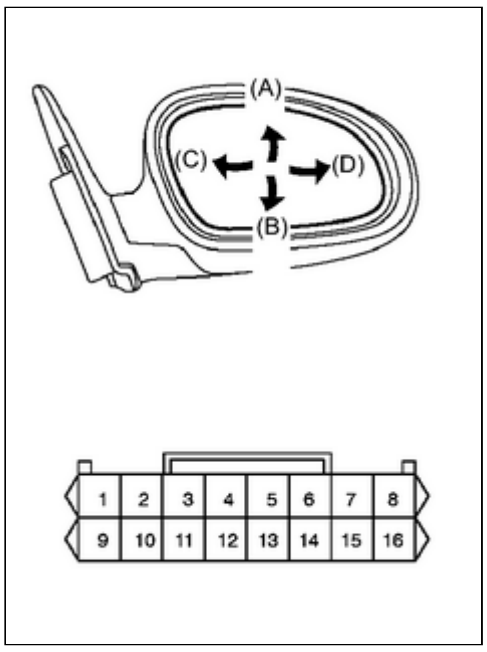
MEASUREMENT CONDITION (BATTERY)	SPECIFIED CONDITION

MEASUREMENT CONDITION (BATTERY)	SPECIFIED CONDITION
Battery positive (+) →Terminal 15 Battery negative (-) → Terminal 7	Mirror brightens
Battery positive (+) → Terminal 7 Battery negative (-) → Terminal 15	Mirror darkens



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

2. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY RH



(a) Disconnect the mirror connector.

(b) Apply battery voltage and check the operation of the mirror.

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 1 Battery negative (-) → Terminal 10	Turns upward (A)
Battery positive (+) → Terminal 10 Battery negative (-) → Terminal 1	Turns downward (B)
Battery positive (+) → Terminal 9 Battery negative (-) → Terminal 10	Turns left (C)
Battery positive (+) → Terminal 10 Battery negative (-) → Terminal 9	Turns right (D)

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

(c) Apply battery voltage and check the operation of the retractable mirror.*

HINT:

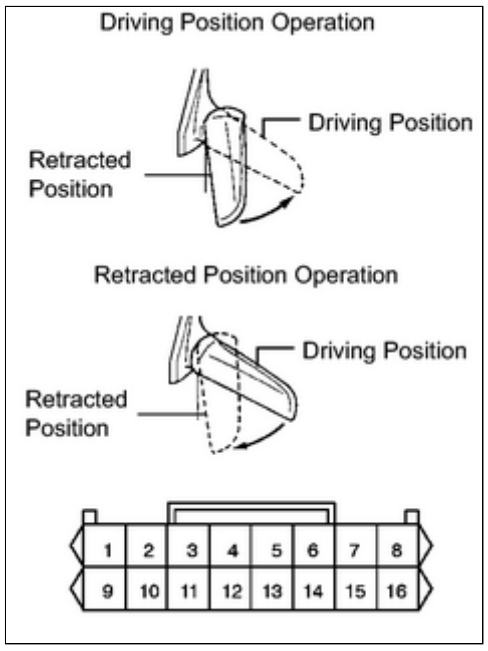
*: w/ Retractable Mirror

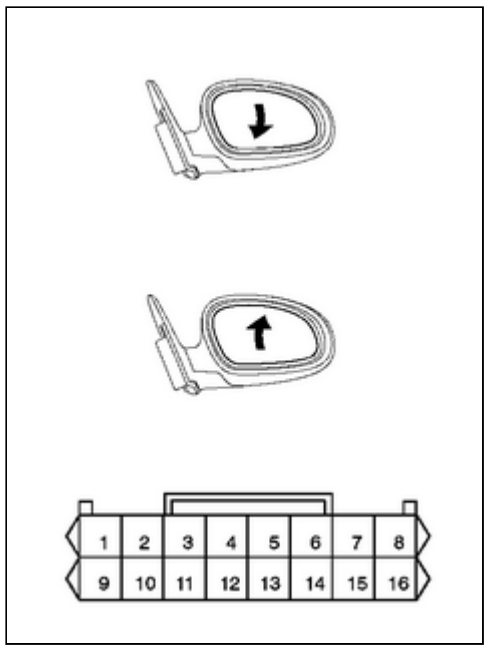
NOTICE:

- Disconnect and reconnect the battery between each mirror position check.
- The mirror position cannot be changed manually when the battery is connected. To change the mirror position manually, the battery must be disconnected first.

OK:

MEASUREMENT CONDITION	MIRROR CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 3 Battery negative (-) → Terminal 11	Retracted position	Moves from retracted position to driving position
Battery positive (+) → Terminal 11 Battery negative (-) → Terminal 13	Driving position	Moves from driving position to retracted position





(d) Inspect the mirror position sensor.

(1) Apply battery and dry cell battery voltage to the terminals as shown in the table below.

(2) Measure the voltage while the mirror moves between the fully downward and fully upward positions.

Standard voltage:

MEASUREMENT CONDITION (BATTERY)	MEASUREMENT CONDITION (DRY CELL BATTERY)	VOLTMETER CONDITION	MIRROR CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 10 Battery negative (-) → Terminal 1	Battery positive (+) →Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 6 Negative (-) lead → Terminal 14	Turns downward fully	2.8 to 5.0 V
Battery positive (+) → Terminal 1 Battery negative (-) → Terminal 10	Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 6 Negative (-) lead → Terminal 14	Turns upward fully	0 to 1.0 V

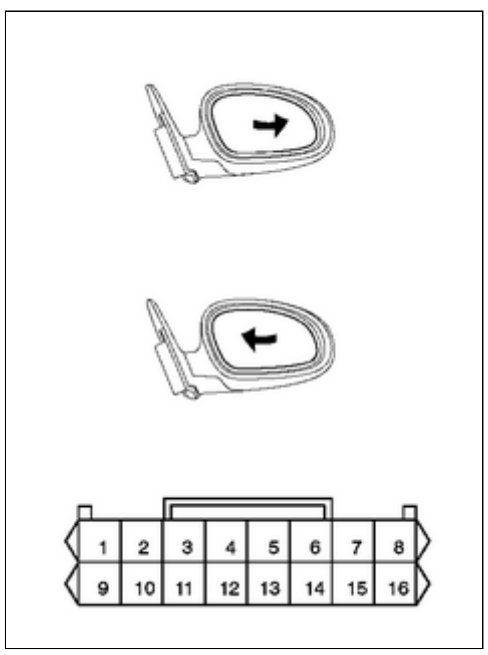
If the result is not as specified, replace the mirror assembly.

(3) Measure the voltage while the mirror moves between fully turned to the left and fully turned to the right.

Standard voltage:

MEASUREMENT CONDITION (BATTERY)	MEASUREMENT CONDITION (DRY CELL BATTERY)	VOLTMETER CONDITION	MIRROR CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 9 Battery negative (-) → Terminal 10	Battery positive (+) →Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 13 Negative (-) lead → Terminal 14	Turns to left fully	0 to 1.0 V
Battery positive (+) → Terminal 10 Battery negative (-) → Terminal 9	Battery positive (+) → Terminal 5 Battery negative (-) → Terminal 14	Positive (+) lead →Terminal 13 Negative (-) lead → Terminal 14	Turns to right fully	2.8 to 5.0 V

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



(e) Inspect the mirror heater.

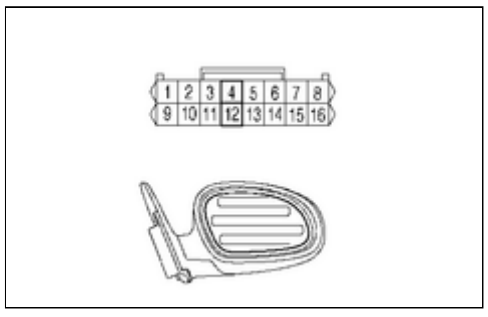
(1) Measure the resistance between terminals 4 and 12 of the connector.

Standard resistance:
3.57 to 4.83 Ω at 25°C (75°F)

(2) Apply battery voltage and check the operation of mirror heater.

OK:

MEASUREMENT CONDITION	SPECIFIED CONDITION
Battery positive (+) →Terminal 4 Battery negative (-) → Terminal 12	Mirror becomes warm



HINT:

It will take a short time for the mirror to become warm.

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

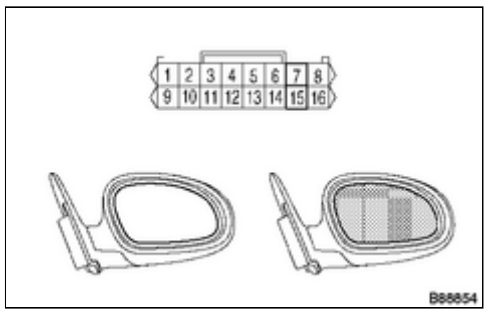
(f) Inspect the EC mirror.

(1) Apply battery voltage and check the operation of the mirror.

Standard resistance:

MEASUREMENT CONDITION (BATTERY)	SPECIFIED CONDITION

MEASUREMENT CONDITION (BATTERY)	SPECIFIED CONDITION
Battery positive (+) →Terminal 15 Battery negative (-) → Terminal 7	Mirror brightens
Battery positive (+) → Terminal 7 Battery negative (-) → Terminal 15	Mirror darkens



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