SECTION : 501-09 Rear View Mirrors

VEHICLE APPLICATION : 2008.0 Falcon

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SPECIFICATIONS

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DESCRIPTION AND OPERATION

Rear View Mirrors

The rear view mirrors consist of the following components:

* Exterior rear view mirrors (standard electric operation or memory operation)
* Exterior mirror control switch
* Door switch control module (memory mirrors only)
* Interior rear view mirror - Manual
* Interior rear view mirror - Electrochromic
* Integral ambient temperature sensor in LH exterior mirror only
* Side repeating direction-indicator lamps (high series)

The exterior rear view mirrors are adjusted by the exterior mirror control switch or via the memory seat/ mirror function buttons.

The electrochromic rear view mirror is equipped with a sensor that measures the intensity of incident light

on the mirror and automatically adjusts the mirror reflectivity. By doing this, the driver does not need to

manually adjust the mirror between night and day modes. The feature is disabled when the vehicle is

placed in reverse gear so as to maintain maximum rearward vision. The mirror is fitted with an on/off

button, which enables or disables the mirrors function. The green LED on the front face indicates power on.

DIAGNOSIS AND TESTING

Rear View Mirrors

Refer to Wiring Diagram Section for schematic and connector information.

Special Tool(s)	
 SST105-R0057	73III Automotive Meter 105-R0057 or equivalent

Inspection and Verification

1. Verify the customer concern by operating the system, using appropriate standard mirror or memory mirror flowchart.
2. Visually inspect for obvious signs of mechanical and electrical damage.

Visual Inspection Chart

Mechanical	Electrical
* Exterior rear view mirror(s)	* Central junction box (CJB) Fuse: MIRROR No.19 7.5A * Circuitry * Exterior rear view mirror motor(s) * Exterior mirror control switch

3. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.
4. If the concern is not visually evident, determine the symptom and proceed to the Fault Diagnosis Tables.

Symptom Chart

NOTE: Refer to fault diagnostic tables (Standard mirror & Memory mirror).

Standard Mirror Fault Diagnostic Flow Chart

		Switch vehicle electrics on via ignition.
		Operate both LH & RH mirrors via door mirror control switch.
1) Are both mirrors operational?	No	Both mirrors non-functional. Check fuse for mirror system at fusebox GO to Step 2.
	No	One mirror non-functional. Remove mirror & check for +12V & GND at door connector using multimeter whilst operating mirror switch (Refer to pinpoint tests A3 & B1) Go to Step 6.
	Yes	No system malfunction
2) Is fuse intact?	No	Replace fuse and retest. Go to Step 3.
	Yes	Remove mirror switch and check for +12V and GND at connector using multimeter. Refer pinpoint test A1 and A2. Go to Step 4.
3) Is system functioning correctly?	No	Remove mirror switch and check for +12V and GND at connector using multimeter. Refer pinpoint test A1 and A2. Go to Step 4.
	Yes	No system malfunction
4) Is +12V and GND available at switch?	No	Possible wiring malfunction. Check for continuity from fuse/GND to corresponding pins at switch connector Repair discontinuous wiring. Recheck operation of mirrors via switch. Go to Step 5.
	Yes	Replace faulty switch. Recheck operation of mirrors via switch. Go to Step 5.
5) Is system functioning correctly?	No	Replace door mirror and retest. Go to Step 7.
	Yes	No system malfunction
6) Is +12V and GND available at door/mirror connector?	No	Replace mirror control switch and retest. Go to Step 7.
	Yes	Replace door mirror and retest. Go to Step 7.
7) Does new mirror or switch function correctly?	Yes	No system malfunction

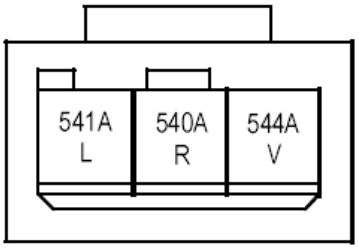
Memory Exterior Mirror Fault Diagnostic Flow Chart

NOTE: Various memory positions for seats and mirrors must be selected and stored in seat module prior to commencement of checklist, as long as the system is (partially) operating.

		Switch vehicle electrics on via ignition.
		Operate both LH & RH mirrors via door mirror control switch.
1) Are both mirrors operational?	No	Both mirrors non-functional. Check fuses for mirrors and seat control module. Press seat/mirror memory buttons and check for seat and mirror movement. GO to Step 6.
	No	One mirror only works. Press seat/mirror memory buttons and check for seat and mirror movement. Go to Step 3.
	Yes	Both mirrors functional. Press seat/mirror buttons and check for seat and mirror movement. Go to Step 2.
2) Do both mirrors and seats operate?	No	Refer to Seat module diagnostics and replace module if necessary and retest.
	Yes	No system malfunction
3) Do both mirrors operate?	No	Remove suspect mirror and check for +12V and ground at door/ mirror connector. (Refer pinpoint test D1 & D2). Go to Step 4.
	Yes	Possible faulty door switch module. Replace module 1R23 17E704 AA. Go to Step 8.
4) Is +12V and GND available at connector?	No	Trace power and ground supply from door connector to source and repair.
	Yes	Replace faulty mirror and retest. Go to Step 5.
5) Does replaced mirror function?	No	Refer to Seat module diagnostics and replace module if necessary and retest.
	Yes	No system malfunction
6) Do seats and mirrors move?	No	Refer to Seat module diagnostics and replace module if necessary and retest.
	Yes	Possible faulty door mirror switch. Replace switch. Go to Step 7.
7) Do mirrors operate with new switch?	No	Possible faulty door switch module. Replace module 1R23 17E704 AA. Go to Step 8.
	Yes	No system malfunction
8) Do mirrors work with new module?	No	Refer to Seat module diagnostics and replace module if necessary and retest.
	Yes	No system malfunction

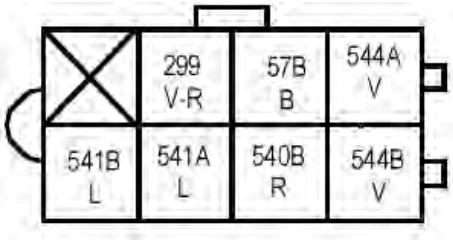
Connector Circuit Reference

C-86 RH low series mirror (no turn signal)



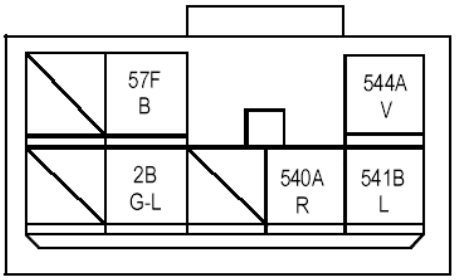
Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Circuit 541A (L) Mirror x direction control	0 voltage, less than 5 ohms between power mirror switch and right front mirror motor
2	Circuit 540A (R)	0 voltage, less than 5 ohms between power mirror switch and right front mirror motor
3	Circuit 544A (V) Mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and right front mirror motor

C-88 Power mirror switch



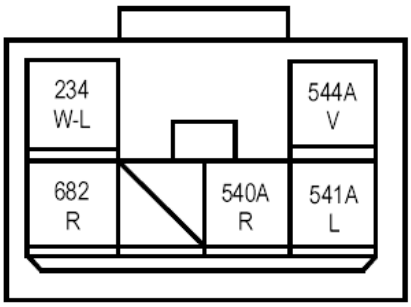
Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Not used	Not Used
2	Circuit 299 (V-R) Power mirror switch power input	0 voltage, less than 5 ohms between the power mirror switch and ignition switch
3	Circuit 57B (B) Power mirror switch ground	0 voltage, less than 5 ohms between and chassis ground
4	Circuit 544A (V) Right mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and right front mirror motors
5	Circuit 541B (L) Left mirror x direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motors
6	Circuit 541A (L) Right mirror x direction control	0 voltage, less than 5 ohms between power mirror switch and right front mirror motors
7	Circuit 540B (R)	0 voltage, less than 5 ohms between power mirror switch and front mirror motors
8	Circuit 544B (V) Left mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motors

C-86 RH high series mirror (with side repeater)



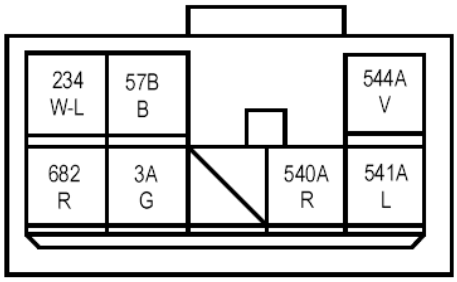
Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Not used	Not used
2	Circuit 57F (B) Turn signal ground	~ 0V
3	Circuit 544A (V) Mirror x direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
4	Not used	Not used
5	Circuit 2B (GL) Turn signal +12V	+12V voltage during turn signal operation
6	Not used	Not used
7	Circuit 540A (R) Mirror common	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
8	Circuit 541B (L) Mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor

C-94 LH low series mirror (no turn signal)



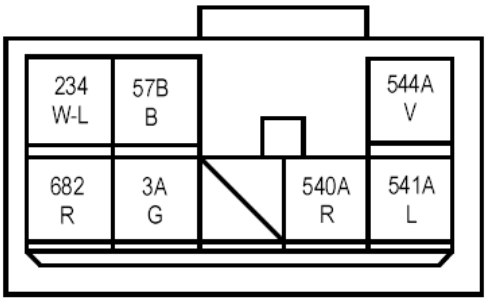
Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Circuit 234A (WL)	Temperature sensor +VE
2	Circuit 544A (V) Mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
3	Circuit 682A (R)	Temp sensor signal -VE
4	Not used	Not used
5	Circuit 540A (R) Mirror common	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
6	Circuit 541A (L) Mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor

C-94 LH mid series mirror (with turn signal)



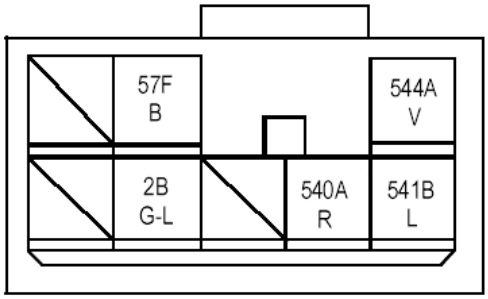
Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Circuit 234 (WL)	Temperature sensor +VE
2	Circuit 57 (B) Turn signal ground	~ 0V
3	Circuit 544A (V) Mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
4	Circuit 682A (R)	Temp sensor signal -VE
5	Circuit 3A (G) Turn signal +12V	+12V voltage during turn signal operation
6	Not used	Not used
7	Circuit 540A (R) Mirror common	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
8	Circuit 541A (L) Mirror y direction control	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor

C-94 LH high series mirror (memory with turn signal)



Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Circuit 234 (WL)	Temperature sensor +VE
2	Circuit 57B (B) Turn signal ground	~ 0V
3	Circuit 544A (V) mirror actuator ground	~ 0V
4	Circuit 682A (R)	Temp sensor signal -VE
5	Circuit 3A (G) Turn signal +12V	+12V voltage during turn signal operation
6	Not used	Not used
7	Circuit 540A (R) Mirror Common	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
8	Circuit 541A (L) mirror actuator power	+12V voltage

C-86 RH high series mirror (memory with turn signal)



Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Not used	Not used
2	Circuit 57F (B) Turn signal ground	~ 0V
3	Circuit 544A (V) mirror actuator ground	~ 0V
4	Not used	Not used
5	Circuit 2B (GL) Turn signal +12V	+12V voltage during turn signal operation
6	Not used	Not used
7	Circuit 540A (R) Mirror Common	0 voltage, less than 5 ohms between power mirror switch and left front mirror motor
8	Circuit 541B (L) mirror actuator power	+12V voltage

Visual Inspection Chart

Mechanical	Electrical
* Interior rear view mirror(s)	* Central junction box (CJB) Fuse: MIRROR No.19 7.5A * Central junction box (CJB) Fuse: REVERSE 4A * Circuitry

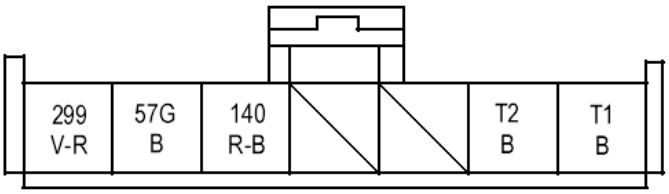
1. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.
2. If the concern is not visually evident, determine the symptom and proceed to the Fault Diagnosis Tables.

Electrochromic Interior Rear view Mirror Fault Diagnostic Flow Chart

		Switch vehicle electrics on via ignition. Mirror LED will display green when active.
		To simulate night driving, cover the clear sensor on the windscreen side of the mirror case with a dark cloth and use a torch to illuminate the sensor on the glass side of the mirror near the power button. The mirror glass will darken. Selecting reverse gear overrides the darkening function.
1) Is the mirror operational?	No	Check fuse(s) for mirror system at fusebox. GO to Step 2.
	Yes	No system malfunction
2) Is mirror fuse intact?	No	Replace fuse and retest. Go to Step 3.
	Yes	Remove mirror connector and check for +12V and GND at connector using multimeter. Refer pinpoint test A1.
3) Is reverse gear selected and mirror view functioning correctly?	No	Remove mirror connector and check for +12V and GND at connector using multimeter. Refer pinpoint test A1.
	Yes	No system malfunction
6) Is +12V and GND available at mirror connector?	No	No system malfunction
	Yes	Replace mirror and retest.
7) Does new mirror function correctly?	Yes	No system malfunction

Connector Circuit Reference

C405



Pin Number(s)	Circuit Designation/Description	Normal Condition/Measurement
1	Circuit 299 (V-R) Power mirror switch power input	0 voltage, less than 5 ohms between the mirror connector and ignition switch
2	Circuit 57 (B) Power mirror switch ground	0 voltage, less than 5 ohms between and chassis ground
3	Circuit 140 (B/R)	0 voltage, less than 5 ohms between mirror connector and ignition switch.
4	Circuit TA2 (B) dummy circuit	0 voltage (not connected, used an assembly aid)
5	Circuit TA1 (B) dummy circuit	0 voltage (not connected, used an assembly aid)

Pinpoint Tests

STANDARD MIRROR (NON MEMORY)

PINPOINT TEST A : THE MIRRORS ARE INOPERATIVE	
CONDITIONS	**DETAILS/RESULTS/ACTIONS**
A1 : CHECK CIRCUIT 299 (V/R) FOR VOLTAGE	
	1 Disconnect Exterior Mirror Control Switch.
	2 Key in ON position.
	3 Measure voltage between exterior mirror control switch Connector C88, Circuit 299 (V/R), harness side and ground.
	Is the voltage greater than 10 volts?
	Yes
	GO to A2.
	No
	REPAIR the circuit. TEST the system for normal operation.
A2 : CHECK CIRCUIT 57 B/F (B) FOR AN OPEN	
	1 Measure the resistance between exterior mirror control switch Connector C88, Circuit 57 (B/F), harness side and ground.
	Is the resistance less than 5 ohms?
	Yes
	GO to A3.
	No
	REPAIR the circuit. TEST the system for normal operation.
A3 : CHECK CIRCUIT 540 (R) FOR OPEN	
	1 Disconnect Inoperative Exterior Rear View Mirror/s C520.
	2 Measure the resistance between inoperative rear view mirror Connector (C86/C94/C377) and mirror control switch Connector C88, Circuit 540 (R).
	Is the resistance less than 5 ohms?
	Yes
	INSTALL a new exterior mirror control switch. TEST the system for normal operation.
	No
	REPAIR the circuit. TEST the system for normal operation.

PINPOINT TEST B : A SINGLE MIRROR IS INOPERATIVE	
CONDITIONS	**DETAILS/RESULTS/ACTIONS**
B1 : CHECK CIRCUITS 541 (L) AND 544 (V) FOR VOLTAGE	
	1 Disconnect Inoperative Exterior Rear View Mirror Connector.
	2 Key in ON position.
	3 Select the inoperative mirror on the exterior mirror control switch.
	4 Measure the voltage between the inoperative exterior rear view mirror connector, harness side and ground while operating the exterior mirror control switch to the specified direction.
	Are the voltages greater than 10 volts?
	Yes
	GO to A3.
	No
	GO to B2.
B2 : CHECK FOR AN OPEN CIRCUIT	
	1 Key in OFF position.
	2 Disconnect Exterior Mirror Control Switch C88.
	3 Measure the resistance between the inoperative exterior rear view mirror connector, harness side and exterior mirror control switch connector, harness side.
	Are all of the resistances less than 5 ohms?
	Yes
	INSTALL a new exterior mirror control switch. TEST the system for normal operation.
	No
	REPAIR the suspect circuit. TEST the system for normal operation.
B3 : CHECK CIRCUIT 540 (R) FOR OPEN	
	1 Disconnect Inoperative Exterior Rear View Mirror/s.
	2 Measure the resistance between the inoperative exterior rear view mirror connector, circuit 540 (R), harness side and exterior mirror control switch C88, circuit 540 (R), harness side.
	Is the resistance less than 5 ohms?
	Yes
	INSTALL a new exterior rear view mirror. Refer to Exterior Mirror in this section. TEST the system for normal operation.
	No
	REPAIR the circuit. TEST the system for normal operation.

PINPOINT TEST C : A SINGLE MIRROR DOES NOT FUNCTION WITH SWITCH LOGIC	
CONDITIONS	**DETAILS/RESULTS/ACTIONS**
C1 : CHECK FOR THE CORRECT INPUT TO THE EXTERIOR REAR VIEW MIRROR	
	1 Disconnect Inoperative Exterior Rear View Mirror.
	2 Key in ON position.
	3 Select the inoperative exterior rear view mirror on the exterior mirror control switch.
	4 Measure the voltage or resistance between the suspect exterior rear view mirror connector, harness side and ground while operating the exterior mirror control switch to the specified position. Refer to the following chart:
	Are the measurements as indicated?
	Yes
	INSTALL a new exterior rear view mirror. Refer to Exterior Mirror in this section. TEST the system for normal operation.
	No
	GO to C2.
C2 : CHECK THE EXTERIOR REAR VIEW MIRROR CIRCUITS FOR A SHORT TO GROUND	
	1 Key in OFF position.
	2 Disconnect Exterior Mirror Control Switch C88.
	3 Measure the resistance between the exterior rear view mirror connector, harness side and ground. Refer to the following chart:
	Are all of the resistances greater than 10,000 ohms?
	Yes
	INSTALL a new exterior mirror control switch. TEST the system for normal operation.
	No
	REPAIR the suspect circuit. TEST the system for normal operation.

MEMORY MIRROR

PINPOINT TEST D : THE MIRRORS ARE INOPERATIVE	
CONDITIONS	**DETAILS/RESULTS/ACTIONS**
D1 : CHECK CIRCUIT 541 A/B (R) FOR VOLTAGE	
	1 Disconnect Exterior Mirror Connector.
	2 Key in ON position.
	3 Measure voltage between exterior mirror Connector C377/C86, Circuit 541 A/B, harness side and ground.
	Is the voltage greater than 10 volts?
	Yes
	GO to D2.
	No
	Trace power supply from mirror connector to source and repair. (Refer to Seat Module Diagnostics + Repair).
D2 : CHECK CIRCUIT 544 A/B (R) FOR AN OPEN	
	1 Disconnect Exterior Mirror Control Switch.
	2 Key in ON position.
	3 Measure the resistance between exterior mirror Connectors C86/C377, harness side and ground.
	Is the resistance less than 5 ohms?
	Yes
	Replace faulty mirror and retest.
	No
	Trace ground supply from mirror connector to source and repair. (Refer to Seat Module Diagnostics + Repair).

PINPOINT TEST E : TEMPERATURE SENSOR — AMBIENT (PART OF LH EXTERIOR MIRROR ASSEMBLY)
NOTE: For diagnosis and testing of the ambient temperature sensor which is an integral part of the LH exterior mirror assembly, refer to the section 412-04, Pinpoint test A.

SIDE REPEATING INDICATOR MIRROR

PINPOINT TEST F : THE MIRRORS ARE INOPERATIVE	
CONDITIONS	**DETAILS/RESULTS/ACTIONS**
F1 : CHECK CIRCUIT 2 FOR VOLTAGE	
	1 Disconnect Exterior Mirror Connector.
	2 Key in ON position.
	3 Measure voltage between exterior mirror Connector C377/C86, Circuit 541 A/B, harness side and ground.
	Is the voltage greater than 10 volts?
	Yes
	GO to D2.
	No
	Trace power supply from mirror connector to source and repair. (Refer to Seat Module Diagnostics + Repair).
F2 : CHECK CIRCUIT 544 A/B (R) FOR AN OPEN	
	1 Disconnect Exterior Mirror Control Switch.
	2 Key in ON position.
	3 Measure the resistance between exterior mirror Connectors C86/C377, harness side and ground.
	Is the resistance less than 50 ohms?
	Yes
	Replace faulty mirror and retest.
	No
	Trace ground supply from mirror connector to source and repair. (Refer to Seat Module Diagnostics + Repair).

INTERIOR REAR VIEW ELECTROCHROMIC MIRROR

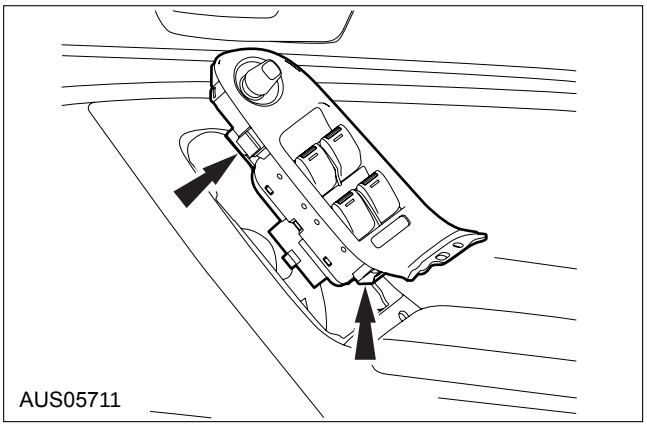
PINPOINT TEST G: THE MIRRORS ARE INOPERATIVE	
CONDITIONS	**DETAILS/RESULTS/ACTIONS**
G1 : CHECK CIRCUIT 299 (V/R) FOR VOLTAGE	
	1 Disconnect Interior Rear View Electrochromic Mirror Connector.
	2 Key in ON position.
	3 Measure voltage between mirror Connector 405, Circuit 299 (V/R), harness side and ground.
	Is the voltage greater than 10 volts?
	Yes
	GO to A2.
	No
	REPAIR the circuit. TEST the system for normal operation.
G2 : CHECK CIRCUIT 57B FOR AN OPEN	
	1 Measure the resistance between mirror Connector C405, Circuit 57B, harness side and ground.
	Is the resistance less than 5 ohms?
	Yes
	GO to A3.
	No
	REPAIR the circuit. TEST the system for normal operation.
G3 : CHECK CIRCUIT 140 (B/R) FOR VOLTAGE	
	1 Key on, reverse gear selected.
	2 Measure voltage between mirror Connector 405, Circuit 140 (B/R), harness side and ground
	Is the voltage greater than 10 volts?
	Yes
	INSTALL a new Interior Rear View Electrochromic Mirror. TEST the system for normal operation.
	No
	REPAIR the circuit. TEST the system for normal operation.

REMOVAL AND INSTALLATION

Power Mirror Switch

Removal

1. Remove the door trim as per Section 501-05.
   WARNING: ⚠ Do not attempt to remove the mirror switch before the trim has been removed.
2. Once the door trim is removed from the door, support the trim by taking care to make sure that it is not pulling against the power mirror switch and the wiring harness
3. Remove the mirror switch from the door trim by pushing firmly and evenly on the flat base of the switch until it pops out from the trim. Gently push the two mirror retaining clips inwards so that the ends are clear of the hole and push the switch out from the cut out.
4. If door switch is difficult to remove then insert a fine, flat blade screwdriver where the retaining clips are and gently push up on the mirror switch.



5. Pull the switch through the trim hole so there is enough room to be able to access the rear of the switch and harness connector and socket.
6. Insert a fine, flat blade screwdriver into the harness connector near the barbed lock tag and support the lower switch body.
7. Gently pull the wiring harness connector from its socket. (It may be necessary to use the screwdriver as a lever, to allow the switch socket enough gap to clear the barbed lock tag of the harness connector). Be extremely careful when removing the harness connector from the socket by making sure the two halves of the switch do not break away and separate.

Installation

1. Reassemble the door trim to the door making sure the wiring harness for the mirror switch is fed through the hole for the mirror switch.
2. When the trim has been reassembled to the door, fit the mirror switch last.
3. Connect the protruding wiring harness and connector to the switch socket.
4. Carefully feed the mirror switch into the door trim and match the switch locator with the locating slot in the trim.
5. Push down firmly on the outside of the mirror switch until it pops into place.
   CAUTION: ⚠ Do not push down on the switch adjuster knob as damage to the mirror switch may result.

WARNING: ⚠ Warranty claims for power mirror switches returned with a broken switch base as a result of incorrect removal will not be accepted as a warrantable defect.

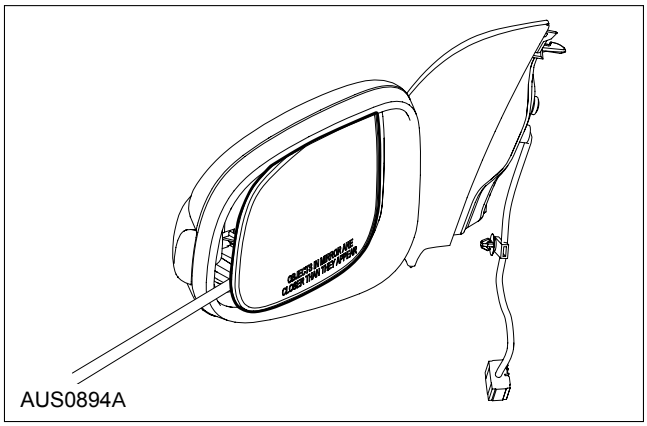
Supplier assessment for functional faults in the manufacture of the switch is not when the switch is broken at the base.

Warranty Status - Reimbursable within the provisions of the Warranty and Policy Manual. Damage to the switch through not using the correct removal procedure is not warrantable.

Exterior Mirror Glass

Removal

1. Remove broken glass and backing plate.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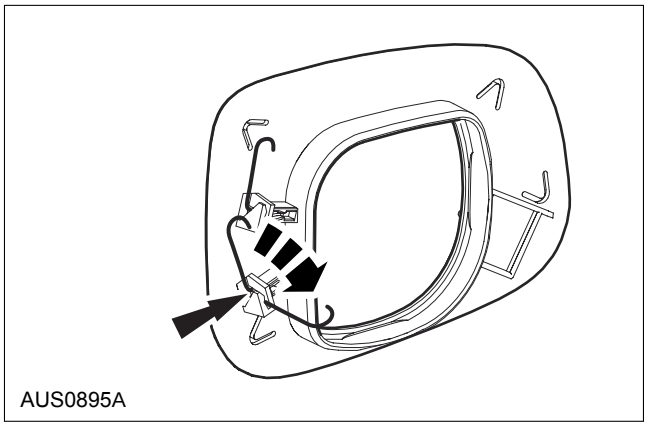
2. Remove spring wires taped to rear surface of backing plate. Re-install spring wires into spring housings on rear surface of backing plate.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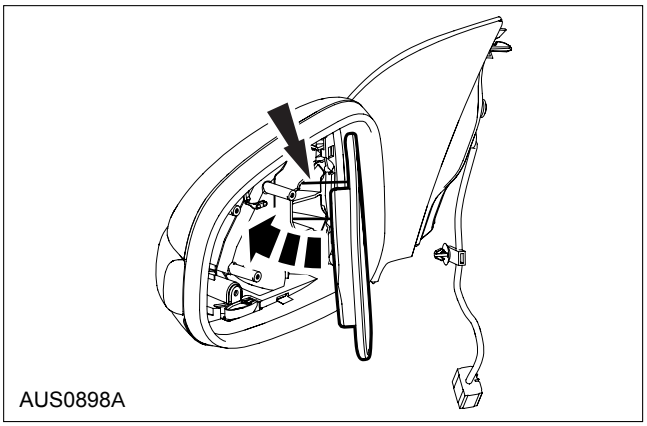
Installation

1. Position springs into guide tracks and position backing plate onto motor adaptor.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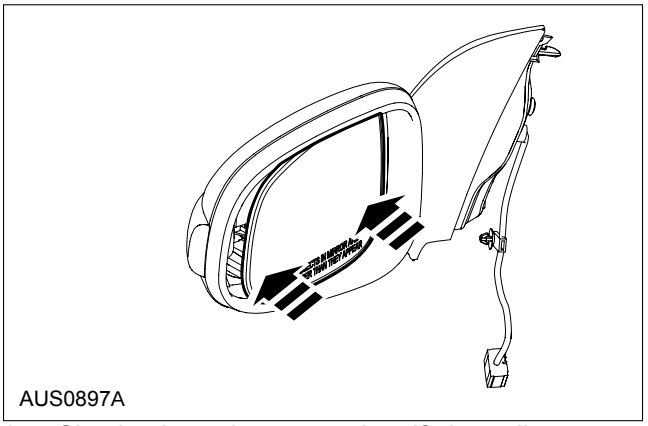
2. Cover glass surface with cloth and apply even pressure to engage all clips. Manually adjust the glass angle outward and confirm that the wire springs are positioned correctly in guide tracks.

   CAUTION: ⚠ Do not use excessive force or glass will be broken.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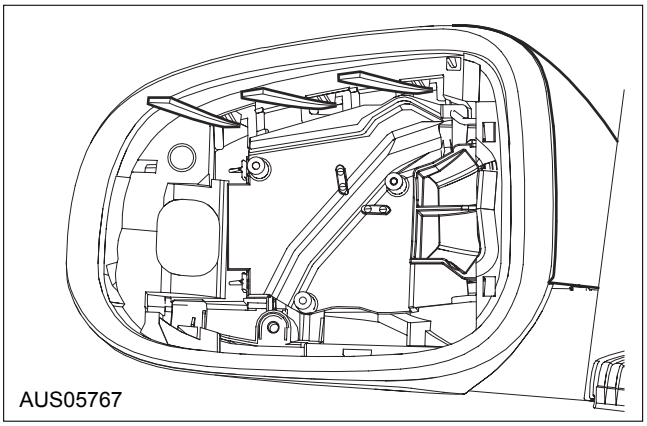
3. Check mirror glass operation. If glass vibrates when adjusting, or if inward movement is restricted, repeat steps 1 and 2 to ensure correct wire spring position and that clips are fully engaged.

Mirror Scalp Cover

Removal

1. Remove mirror glass.
2. Gently lever scalp clips x 3 down and insert a small flat piece of plastic between clip and latch.



3. Insert screwdriver through hole in case and push mirror scalp off mirror.

   CAUTION: ⚠ The mirror scalp cover may drop onto the floor and be damaged.

Installation

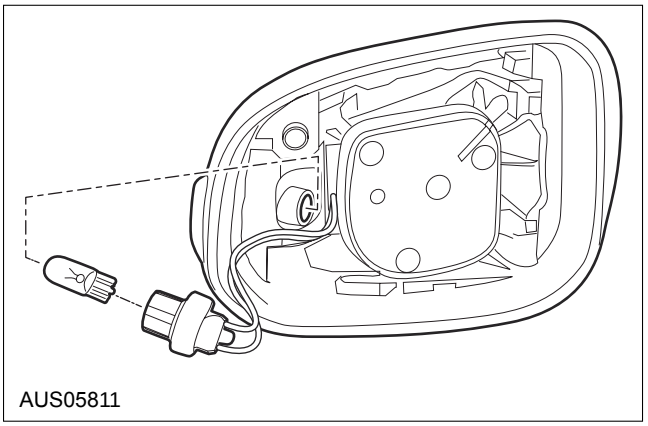
1. Fit a new mirror scalp cover by placing lower edge into mirror case first, and then slowly fitting the scalp under the case edge starting from either end until meeting at the outboard corner.

   CAUTION: ⚠ Use caution or the mirror scalp cover clips may be broken.
2. Replace mirror glass.

Turn Signal Globe (High Series)

Removal

1. Remove the exterior mirror glass.
2. Pull the globe holder out of the external mirror lamp assembly.



3. Remove and replace the globe. (W5W Amber)

Installation

1. Push the globe holder back into the lamp until fully seated.
2. Install the exterior mirror glass.

Turn Signal Lamp (High Series)

Removal

1. Remove the exterior mirror glass and mirror scalp cover.
2. Gently push on the removal tab and slide the lamp upwards at the inboard end.
3. Remove the lamp assembly.

Installation

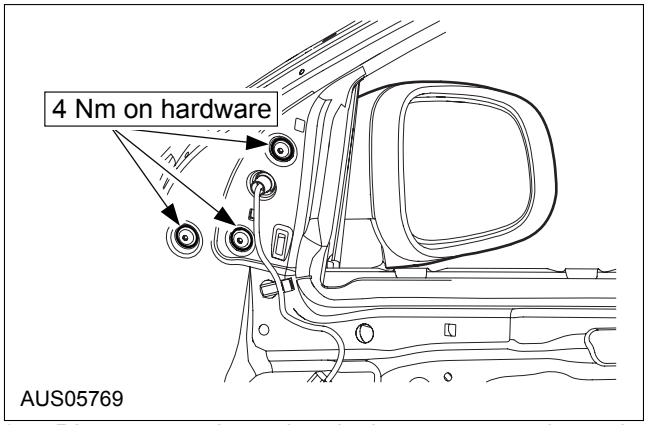
1. Fit the new lamp into the mirror housing ensuring the lamp is located correctly in the outboard end, and push down to latch in place.
2. Install the mirror scalp cover and the exterior mirror glass.

Exterior Mirror

Removal

1. Remove the door trim, see section 501-05, and remove the triangular trim panel to access rear of mirror assembly.
2. Remove mirror retaining screws and remove mirror assembly.

   CAUTION: ⚠ Do not drop screws into door.



3. Disconnect mirror electrical connector and panel clip from vehicle door harness. (Small screwdriver may be required for panel clip removal)

Installation

1. Reverse the removal instruction.

Interior Rear View Mirror

The interior rear view mirror is fixed to the windscreen via T-20 torx screw fitted in the mirror base. The mirror can be removed by releasing the screw and sliding the mirror upwards off the window mount.

Installation is reverse of removal procedure. Screw torque 1.1 – 1.9Nm

Ambient Temperature Sensor

The Ambient Temperature Sensor is integral in the left hand exterior mirror. The sensor is not a serviceable item, and if faulty, the complete LH external mirror assembly should be replaced.