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## 2001 FORD Galaxy OEM Service and Repair Workshop Manual

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C2829-1	$\Omega$	Ground
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**Is the resistance greater than 10,000 ohms?**

<b>Yes</b>	<p>INSTALL a new driver status monitor LED (light emitting diode) .  REFER to: <a href="#">Driver Side Driver Status Monitor LED</a>  (419-04B Interior Camera System, Removal and Installation).  REFER to: <a href="#">Passenger Side Driver Status Monitor LED</a>  (419-04B Interior Camera System, Removal and Installation).  Test the system for normal operation. If the concern is still present, GO to <a href="#">C4</a></p>
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<b>No</b>	REPAIR the circuit.
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**C4 CHECK FOR CORRECT DRIVER STATUS MONITOR CAMERA MODULE OPERATION**

- Ignition OFF.
- Disconnect and inspect the driver status monitor camera module connectors.
- Repair:
  - corrosion (install new connector or terminals – clean module pins)
  - damaged or bent pins - install new terminals/pins
  - pushed-out pins - install new pins as necessary
- Reconnect the driver status monitor camera module connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

**Is the concern still present?**

<b>Yes</b>	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new driver status monitor camera module.  REFER to: <a href="#">Driver Status Monitor Camera Module [CMR]</a>  (419-04B Interior Camera System, Removal and Installation).</p>
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## D1 CHECK THE DRIVER STATUS MONITOR CAMERA MODULE DIAGNOSTIC TROUBLE CODES

- Close the driver door and wait 15 seconds.
- Ignition ON.
- Connect the diagnostic tool.
- Using the diagnostic scan tool, clear the DTC (diagnostic trouble code) .
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.
- Wait 1 minute.
- Using the diagnostic scan tool, perform the CMR (Camera Module - Rear) self-test.

**Is DTC (diagnostic trouble code) B115E:97, B15E1:97 or B15E2:97 still present?**

<b>Yes</b>	GO to <a href="#">D2</a>
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<b>No</b>	The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been set due to an previous obstruction or blockage that has been removed.
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## D2 INSPECT THE CAMERA AND LIGHT EMITTING DIODES (LEDS) FOR OBSTRUCTIONS

- Inspect the driver status monitor camera and LEDs for obstructions from;
  - Dirt or debris
  - Aftermarket equipment
  - Electronic devices and accessory power cords
  - Auxiliary power cords

**Is the driver status monitor camera or LED (light emitting diode) obstructed or blocked?**

<b>Yes</b>	Clean or remove the obstruction then GO to <a href="#">D1</a>
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<b>No</b>	GO to <a href="#">D3</a>
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## D3 INSTALL CMR (CAMERA MODULE - REAR) PMI (PROGRAMMABLE MODULE INSTALLATION)

- Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs).
- Install CMR (Camera Module - Rear) As-Built data from PTS (Professional Technician System) following scan tool instructions.

high weather temperatures. The interior monitor system operation resumes after the driver status monitor camera cools.

### Possible Sources

- Driver status monitor camera

### E1 CONFIRM THE DTC (DIAGNOSTIC TROUBLE CODE) RESETS

- Ignition ON.
- Connect the diagnostic tool.
- Using the diagnostic scan tool, clear the DTC (diagnostic trouble code) .
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.
- Wait 1 minute.
- Using the diagnostic scan tool, perform the CMR (Camera Module - Rear) self-test.

### Is DTC (diagnostic trouble code) B115E:98 still present?

<b>Yes</b>	INSTALL a new driver status monitor camera. REFER to: <a href="#">Driver Status Monitor Camera</a> (419-04B Interior Camera System, Removal and Installation).
<b>No</b>	The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been set due to an intermittent fault condition or the driver status monitor camera module may have cooled enough allowing the DTC (diagnostic trouble code) to clear.

### PINPOINT TEST F : U0100:00

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Interior Camera System - System Operation and Component Description](#)

(419-04B Interior Camera System, Description and Operation).

### DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
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- Using the diagnostic scan tool, check the CMR (Camera Module - Rear) Continuous Memory Diagnostic Trouble Codes (CMDTCs).

**Is DTC (diagnostic trouble code) U0100:00 still present?**

<b>Yes</b>	GO to <a href="#">F3</a>
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<b>No</b>	The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been falsely set by the driver status monitor camera module causing the signal to momentarily stop and set the DTC (diagnostic trouble code) .
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**F3 RETRIEVE THE PCM (POWERTRAIN CONTROL MODULE) DTCS**

- Using a diagnostic scan tool, perform the PCM (powertrain control module) KOEO (key on, engine off) self-test.

**Are any non-network PCM (powertrain control module) Diagnostic Trouble Codes (DTCs) present?**

<b>Yes</b>	DIAGNOSE any PCM (powertrain control module) Diagnostic Trouble Codes (DTCs). Refer to the Master Diagnostic Trouble Code (DTC) Chart.
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<b>No</b>	GO to <a href="#">F4</a>
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**F4 RETRIEVE THE DRIVER STATUS MONITOR CAMERA MODULE DTCS**

- Using a diagnostic scan tool, perform the CMR (Camera Module - Rear) self-test.

**Are any non-network CMR (Camera Module - Rear) Diagnostic Trouble Codes (DTCs) recorded?**

<b>Yes</b>	REFER to the DTC (diagnostic trouble code) Chart in this section
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<b>No</b>	GO to <a href="#">F5</a>
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**F5 CHECK FOR DTC (DIAGNOSTIC TROUBLE CODE) U0100:00 SET IN OTHER MODULES**

- Using the diagnostic scan tool, clear the DTC (diagnostic trouble code) .

<b>No</b>	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.
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## F7 CHECK FOR CORRECT DRIVER STATUS MONITOR CAMERA MODULE OPERATION

- Ignition OFF.
- Disconnect and inspect the driver status monitor camera module connectors.
- Repair:
  - corrosion (install new connector or terminals – clean module pins)
  - damaged or bent pins - install new terminals/pins
  - pushed-out pins - install new pins as necessary
- Reconnect the driver status monitor camera module connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

### Is the concern still present?

<b>Yes</b>	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new driver status monitor camera module.</p> <p>REFER to: <a href="#">Driver Status Monitor Camera Module [CMR]</a> (419-04B Interior Camera System, Removal and Installation).</p>
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<b>No</b>	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.
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## PINPOINT TEST G : U0121:00

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Interior Camera System - System Operation and Component Description](#)

(419-04B Interior Camera System, Description and Operation).

**DTC Fault Trigger Conditions**

- Wait 10 seconds.
- Ignition ON.
- Wait 1 minute.
- Using the diagnostic scan tool, check the CMR (Camera Module - Rear) Continuous Memory Diagnostic Trouble Codes (CMDTCs).

**Is DTC (diagnostic trouble code) U0121:00 still present?**

<b>Yes</b>	GO to <a href="#">G3</a>
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<b>No</b>	The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been falsely set by the driver status monitor camera module causing the signal to momentarily stop and set the DTC (diagnostic trouble code) .
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**G3 RETRIEVE THE ABS (ANTI-LOCK BRAKE SYSTEM) MODULE DTCS**

- Using a diagnostic scan tool, perform the ABS (anti-lock brake system) module self-test.

**Are any non-network ABS (anti-lock brake system) module Diagnostic Trouble Codes (DTCs) present?**

<b>Yes</b>	REFER to: <a href="#">Anti-Lock Brake System (ABS) and Stability Control</a> (206-09 Anti-Lock Brake System (ABS) and Stability Control, Diagnosis and Testing).
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<b>No</b>	GO to <a href="#">G4</a>
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**G4 RETRIEVE THE DRIVER STATUS MONITOR CAMERA MODULE CMDTCS**

- Using the diagnostic scan tool, clear the DTC (diagnostic trouble code) .
- Ignition OFF.
- Wait 10 seconds.
- Ignition ON.
- Wait 1 minute.
- Using the diagnostic scan tool, check the CMR (Camera Module - Rear) Continuous Memory Diagnostic Trouble Codes (CMDTCs).

**Are any non-network CMR (Camera Module - Rear) Diagnostic Trouble Codes (DTCs) recorded?**

<b>Yes</b>	REFER to the DTC (diagnostic trouble code) Chart in this section
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<b>No</b>	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.
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## G7 CHECK FOR CORRECT DRIVER STATUS MONITOR CAMERA MODULE OPERATION

- Ignition OFF.
- Disconnect and inspect the driver status monitor camera module connectors.
- Repair:
  - corrosion (install new connector or terminals – clean module pins)
  - damaged or bent pins - install new terminals/pins
  - pushed-out pins - install new pins as necessary
- Reconnect the driver status monitor camera module connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

### Is the concern still present?

<b>Yes</b>	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new driver status monitor camera module.</p> <p>REFER to: <a href="#">Driver Status Monitor Camera Module [CMR]</a> (419-04B Interior Camera System, Removal and Installation).</p>
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<b>No</b>	The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.
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## PINPOINT TEST H : U0140:00

Refer to Wiring Diagrams Cell 14 for schematic and connector information.

**Normal Operation and Fault Conditions** REFER to: [Interior Camera System - System Operation and Component Description](#)

(419-04B Interior Camera System, Description and Operation).

### DTC Fault Trigger Conditions



- Wait 1 minute.
- Using the diagnostic scan tool, check the CMR (Camera Module - Rear) Continuous Memory Diagnostic Trouble Codes (CMDTCs).

**Is DTC (diagnostic trouble code) U0140:00 still present?**

<b>Yes</b>	GO to <a href="#">H3</a>
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<b>No</b>	The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been falsely set by the driver status monitor camera module causing the signal to momentarily stop and set the DTC (diagnostic trouble code) .
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**H3 RETRIEVE THE BCM (BODY CONTROL MODULE) DTCS**

- Using a diagnostic scan tool, perform the BCM (body control module) KOEO (key on, engine off) self-test.

**Are any non-network BCM (body control module) Diagnostic Trouble Codes (DTCs) present?**

<b>Yes</b>	REFER to: <a href="#">Body Control Module (BCM)</a> (419-10 Multifunction Electronic Modules, Diagnosis and Testing).
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<b>No</b>	GO to <a href="#">H4</a>
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**H4 RETRIEVE THE DRIVER STATUS MONITOR CAMERA MODULE CMDTCS**

- Reconnect the BCM (body control module) connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

**Is the concern still present?**

<b>Yes</b>	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new BCM (body control module) .</p> <p>REFER to: <a href="#">Body Control Module (BCM)</a> (419-10 Multifunction Electronic Modules, Diagnosis and Testing).</p>
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<b>No</b>	<p>The system is operating correctly at this time. The concern may have been caused by module connections. ADDRESS the root cause of any connector or pin issues.</p>
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**H7 CHECK FOR CORRECT DRIVER STATUS MONITOR CAMERA MODULE OPERATION**

- Ignition OFF.
- Disconnect and inspect the driver status monitor camera module connectors.
- Repair:
  - corrosion (install new connector or terminals – clean module pins)
  - damaged or bent pins - install new terminals/pins
  - pushed-out pins - install new pins as necessary
- Reconnect the driver status monitor camera module connectors. Make sure they seat and latch correctly.
- Operate the system and determine if the concern is still present.

**Is the concern still present?**

<b>Yes</b>	<p>CHECK OASIS (Online Automotive Service Information System) for any applicable service articles: TSB (Technical Service Bulletin) , GSB (General Service Bulletin) , SSM (special service message) or FSA (Field Service Action) . If a service article exists for this concern, DISCONTINUE this test and FOLLOW the service article instructions. If no service articles address this concern, INSTALL a new driver status monitor camera module.</p> <p>REFER to: <a href="#">Driver Status Monitor Camera Module [CMR]</a> (419-04B Interior Camera System, Removal and Installation).</p>
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