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2014 FORD Mustang OEM Service and Repair Workshop Manual


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C2507-5		Ground
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EPB (electric parking brake) switch

Positive Lead	Measurement / Action	Negative Lead
C2015-1		Ground


Adjustable pedal switch

Positive Lead	Measurement / Action	Negative Lead
C2089-3		Ground

Left instrument panel center stack switch

Positive Lead	Measurement / Action	Negative Lead
C2480-5		Ground

Middle instrument panel center stack switch


Positive Lead	Measurement / Action	Negative Lead
C2039-5		Ground

Right instrument panel center stack switch


Positive Lead	Measurement / Action	Negative Lead
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C3512A-3		Ground
C2809A-3		Ground


Auxiliary switches

Positive Lead	Measurement / Action	Negative Lead
C9120-11		Ground


Emergency call switch

Positive Lead	Measurement / Action	Negative Lead
C9532-3		Ground

Power tailgate release switch

Positive Lead	Measurement / Action	Negative Lead
C2834-5		Ground

LH (left-hand) rear door window control switch

Positive Lead	Measurement / Action	Negative Lead
C701-2		Ground


Yes	GO to D2
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No	REPAIR the circuit.
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D2 CHECK COMPONENT GROUND CIRCUIT

- Measure:


Ignition switch (push-button start)

Positive Lead	Measurement / Action	Negative Lead
C2195-5		C2195-3

Spot lamp switch

Positive Lead	Measurement / Action	Negative Lead
C2507-5		C2507-3

EPB (electric parking brake) switch


Positive Lead	Measurement / Action	Negative Lead
C2015-1		C2015-2

Adjustable pedal switch


Positive Lead	Measurement / Action	Negative Lead

C3182-1		C3182-8
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Pro Trailer Backing Assist™ (PTBA) switch

Positive Lead	Measurement / Action	Negative Lead
C2599-4		C2599-6


Trailer Brake Control Switch

Positive Lead	Measurement / Action	Negative Lead
C2830-3		C2830-4


Media hubs

Positive Lead	Measurement / Action	Negative Lead
C3512A-3		C3512A-4
C2809A-3		C2809A-4


Auxiliary switches

Positive Lead	Measurement / Action	Negative Lead
C9120-11		C9120-6


Passenger Door Window Control Switch (W/O door modules)

Positive Lead	Measurement / Action	Negative Lead
C624-2		C624-8

LH (left-hand) Front Door Lock Switch (W/O door modules)

Positive Lead	Measurement / Action	Negative Lead
C505-1		C505-3

RH (right-hand) Front Door Lock Switch (W/O door modules)

Positive Lead	Measurement / Action	Negative Lead
C605-4		C605-2

Is the voltage greater than 11 volts?

Yes	INSTALL a new component in question.
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No	REPAIR the circuit.
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PINPOINT TEST E : THE LH (LEFT-HAND) FRONT DOOR LOCK/MEMORY SET CONTROL AND/OR EXTERIOR MIRROR TELESCOPE SWITCH ILLUMINATION IS INOPERATIVE OR ALWAYS ON (WITH ONE-TOUCH UP AND DOWN FRONT WINDOWS)

Refer to Wiring Diagrams Cell 117for schematic and connector information.

Normal Operation and Fault Conditions REFER to: [Instrument Panel and Interior Switches Illumination - System Operation and Component Description](#)

(413-00 Instrument Panel and Interior Switches Illumination, Description and Operation).

(501-14 Handles, Locks, Latches and Entry Systems, Diagnosis and Testing).

For a window concern,

REFER to: [Glass, Frames and Mechanisms - Vehicles With: One-Touch Open and Close Front Windows](#)

(501-11 Glass, Frames and Mechanisms, Diagnosis and Testing).

For a power telescoping mirror concern,

REFER to: [Rear View Mirrors](#)

(501-09 Rear View Mirrors, Diagnosis and Testing).

E3 CHECK THE ILLUMINATION CIRCUIT FOR A SHORT TO VOLTAGE WITH THE DDM (DRIVER DOOR MODULE) DISCONNECTED

- Ignition OFF.
- Disconnect DDM (driver door module) C501A .
- Ignition ON.

Are the LH (left-hand) door lock switch and mirror telescope switch (if equipped) illuminated?


Yes	GO to E4
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No	GO to E15
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E4 CHECK THE DOOR LOCK SWITCH FOR AN INTERNAL SHORT

- Ignition OFF.
- Disconnect LH (left-hand) door lock control switch C541 with memory, or C505 without memory.
- Ignition ON.
- Measure:

LH (left-hand) door lock control switch (without memory)

Positive Lead	Measurement / Action	Negative Lead
C505-1		Ground

LH (left-hand) door lock control switch (with memory)


Yes	REPAIR the affected circuit.
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No	INSTALL a new mirror telescope switch.
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E6 CHECK THE DDM (DRIVER DOOR MODULE) ILLUMINATION CIRCUIT FOR VOLTAGE

- Ignition OFF.
- Disconnect LH (left-hand) door lock control switch C541 with memory, or C505 without memory.
- Ignition ON.
- Measure:

LH (left-hand) door lock control switch (without memory)

Positive Lead	Measurement / Action	Negative Lead
C505-1		Ground

LH (left-hand) door lock control switch (with memory)

Positive Lead	Measurement / Action	Negative Lead
C541-4		Ground

Is the voltage greater than 11 volts?

Yes	GO to E8
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No	If equipped with a mirror telescope switch, GO to E7 If non equipped with a mirror telescope switch, GO to E10
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E7 CHECK THE MIRROR TELESCOPE SWITCH FOR AN INTERNAL SHORT

LH (left-hand) door lock control switch (with memory)

Positive Lead	Measurement / Action	Negative Lead
C541-4	V	C541-3

Is the voltage greater than 11 volts?

Yes	INSTALL a new LH (left-hand) door lock control switch. REFER to: Front Door Lock Control Switch (501-14 Handles, Locks, Latches and Entry Systems, Removal and Installation).
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No	GO to E9
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E9 CHECK THE DDM (DRIVER DOOR MODULE) ILLUMINATION GROUND CIRCUIT FOR AN OPEN

- Ignition OFF.
- Disconnect DDM (driver door module) C501A .
- Measure:

LH (left-hand) door lock control switch (without memory)

Positive Lead	Measurement / Action	Negative Lead
C505-3	Ω	C501B-16

LH (left-hand) door lock control switch (with memory)

Positive Lead	Measurement / Action	Negative Lead
C541-3	Ω	C501B-16

Is the resistance less than 3 ohms?

Positive Lead	Measurement / Action	Negative Lead
C505-1	Ω	Ground

LH (left-hand) door lock control switch (with memory)

Positive Lead	Measurement / Action	Negative Lead
C541-4	Ω	Ground

Is the resistance greater than 10,000 ohms?

Yes	GO to E12
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No	REPAIR the circuit.
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E12 CHECK THE SWITCH CIRCUITS FOR A SHORT TOGETHER

- Measure:

LH (left-hand) door lock control switch (without memory)

Positive Lead	Measurement / Action	Negative Lead
C505-1	Ω	C505-2
C505-1	Ω	C505-3
C505-1	Ω	C505-4