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2012 FORD Focus 5 Doors OEM Service and Repair Workshop Manual

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REFER to: [Battery](#)(414-01 Battery, Mounting and Cables, Diagnosis and Testing).

Is the battery OK and fully charged?

Yes	GO to DA4
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No	<p>If the battery is discharged, DIAGNOSE the cause of the low battery condition. REFER to: Battery (414-01 Battery, Mounting and Cables, Diagnosis and Testing).</p> <p>If the battery condition fails, INSTALL a new battery. REFER to: Battery (414-01 Battery, Mounting and Cables, Removal and Installation).</p>
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DA4 CHECK THE IPC (INSTRUMENT PANEL CLUSTER) VOLTAGE PID (PARAMETER IDENTIFICATION)

- Measure and record the voltage at the battery.
- Using a diagnostic scan tool, view the IPC (instrument panel cluster) Parameter Identifications (PIDs).
- Access the IPC (instrument panel cluster) and monitor the MODULE_VOLT (Control Module Voltage) (V) PID (parameter identification)


Is the voltage within 0.2 volt of the recorded battery voltage?

Yes	GO to DA7
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No	GO to DA5
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DA5 CHECK THE IPC (INSTRUMENT PANEL CLUSTER) VOLTAGE SUPPLY

- Ignition OFF.
- Disconnect IPC (instrument panel cluster) C220A .
- Ignition ON.
- Measure:

Positive Lead	Measurement / Action	Negative Lead
C220A-8		Ground

Yes	<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 IPC (instrument panel cluster) .</p> <p>REFER to: Instrument Panel Cluster (IPC) (413-01 Instrumentation, Message Center and Warning Chimes, Removal and Installation).</p>
No	<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>

PINPOINT TEST DB : U3003:17

DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
IPC (instrument panel cluster) U3003:17	Battery Voltage: Circuit Voltage Above Threshold	Sets in the IPC (instrument panel cluster) in continuous memory if the IPC (instrument panel cluster) detects battery voltage above 16 volts on the voltage supply circuit for 5 seconds or longer.

Possible Sources

- Charging system concern
- IPC (instrument panel cluster)

NOTE

DTC (diagnostic trouble code) U3003:17 may be stored in the module memory due to past battery charging or vehicle jump starting events.

DB1 CHECK FOR OVERCHARGING DIAGNOSTIC TROUBLE CODES (DTCS) SET IN OTHER MODULES

- Ignition ON.

- Ignition OFF.
- Ignition ON.
- Using a diagnostic scan tool, clear the continuous memory DTCs.
- Carry out the IPC (instrument panel cluster) self-test.

Is DTC (diagnostic trouble code) U3003:17 present?

Yes	<p>INSTALL a new IPC (instrument panel cluster) .</p> <p>REFER to: Instrument Panel Cluster (IPC) (413-01 Instrumentation, Message Center and Warning Chimes, Removal and Installation).</p>
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No	<p>The system is operating correctly at this time. The DTC (diagnostic trouble code) may have been set previously during battery charging or while jump starting the vehicle.</p>
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PINPOINT TEST DC : U300A:64

DTC Fault Trigger Conditions

DTC (diagnostic trouble code)	Description	Fault Trigger Condition
IPC (instrument panel cluster) U300A:64	Ignition Switch: Signal Plausibility Failure	Sets in continuous memory when the IPC (instrument panel cluster) detects a messaged start input for 15 seconds or longer. Once the fault condition is detected, the IPC (instrument panel cluster) operates with limited functionality for 15 seconds then returns to full functionality.

Possible Sources

- Ignition concern
- Starting system concern
- IPC (instrument panel cluster)

DC1 RETRIEVE IPC (INSTRUMENT PANEL CLUSTER) DIAGNOSTIC TROUBLE CODES (DTCs)

- Ignition ON.
- Using a diagnostic scan tool, clear the Diagnostic Trouble Codes (DTCs).
- Wait 10 seconds.
- Using a diagnostic scan tool, perform the IPC (instrument panel cluster) self-test.



Seatbelt Minder Deactivating/Activating

413-01 Instrumentation, Message Center and Warning Chimes	2022 F-150
General Procedures	Procedure revision date: 10/6/2020

Seatbelt Minder Deactivating/Activating

Activation

WARNING

Before beginning any service procedure in this section, refer to Safety Warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

NOTE

The driver and passenger seat Belt-Minder™ deactivating/activating can be carried out using the diagnostic scan tool.

NOTE

If you are using a MyKey™ programmed key, the Belt-Minder™ cannot be disabled and does not time out after 5 minutes. If the Belt-Minder™ has been previously disabled, it is re-enabled when a MyKey™ programmed key is used.

NOTE

The driver and front passenger Belt-Minder™ are deactivated/activated independently. When deactivating/activating one seating position, do not buckle the other position.

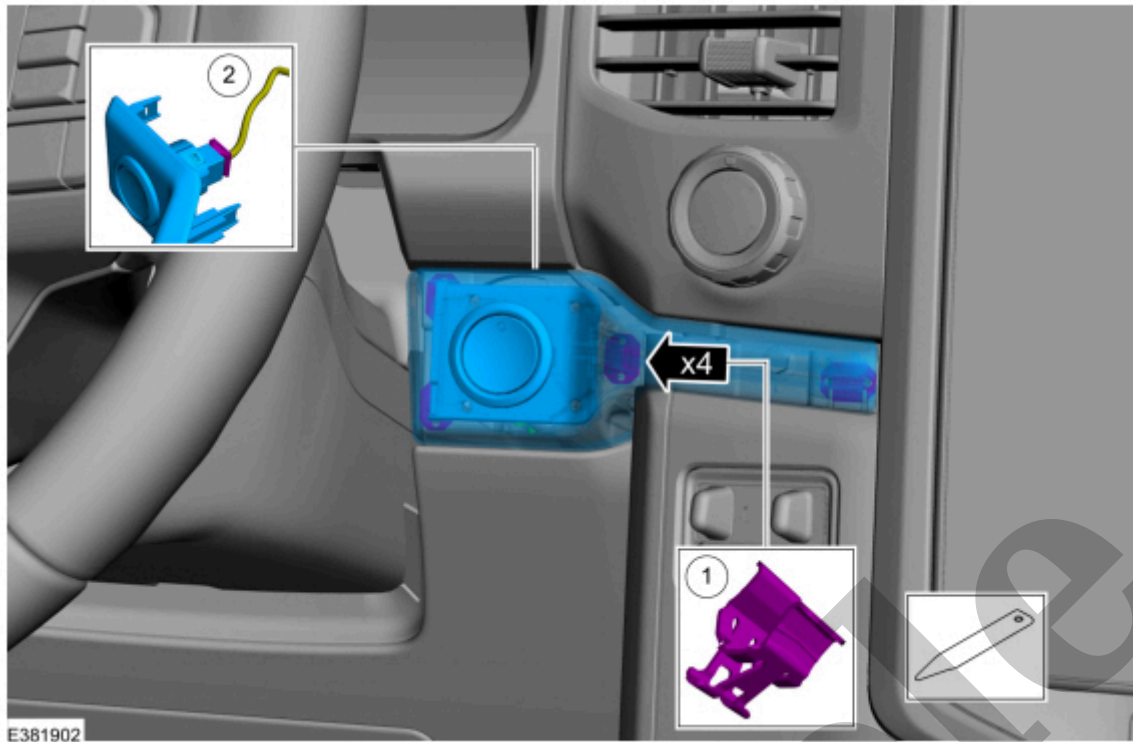
off, followed by another flash sequence of 4 times per second for 3 seconds.

While the seat belt warning indicator is still on, buckle then unbuckle the seat belt one time at a moderate speed.

10. After confirmation, the deactivation/activation procedure is complete.

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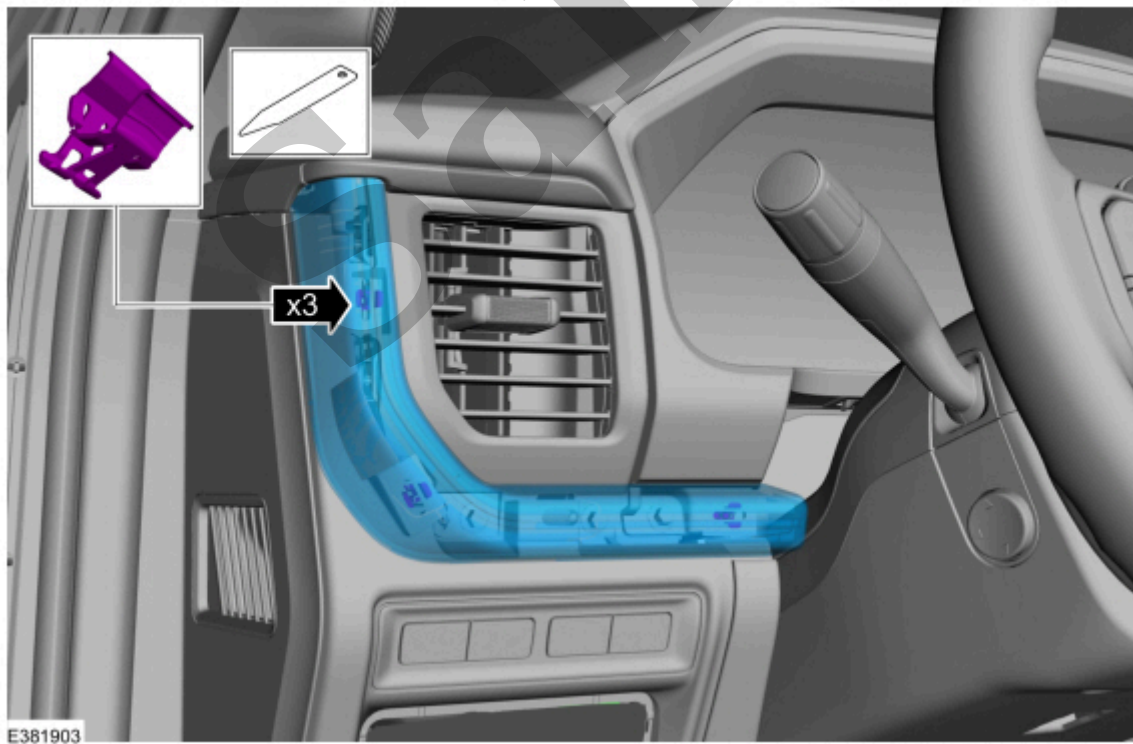
Sample



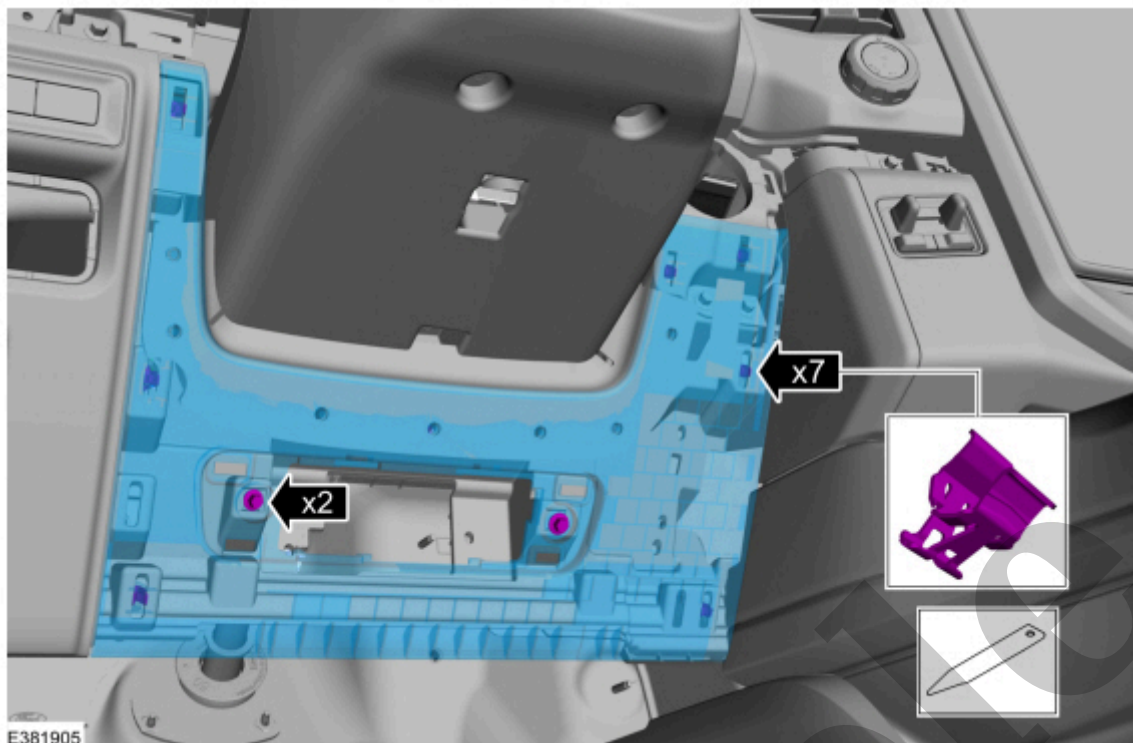
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3. Release the clips and remove the LH instrument center trim panel.

Use the General Equipment: Interior Trim Remover

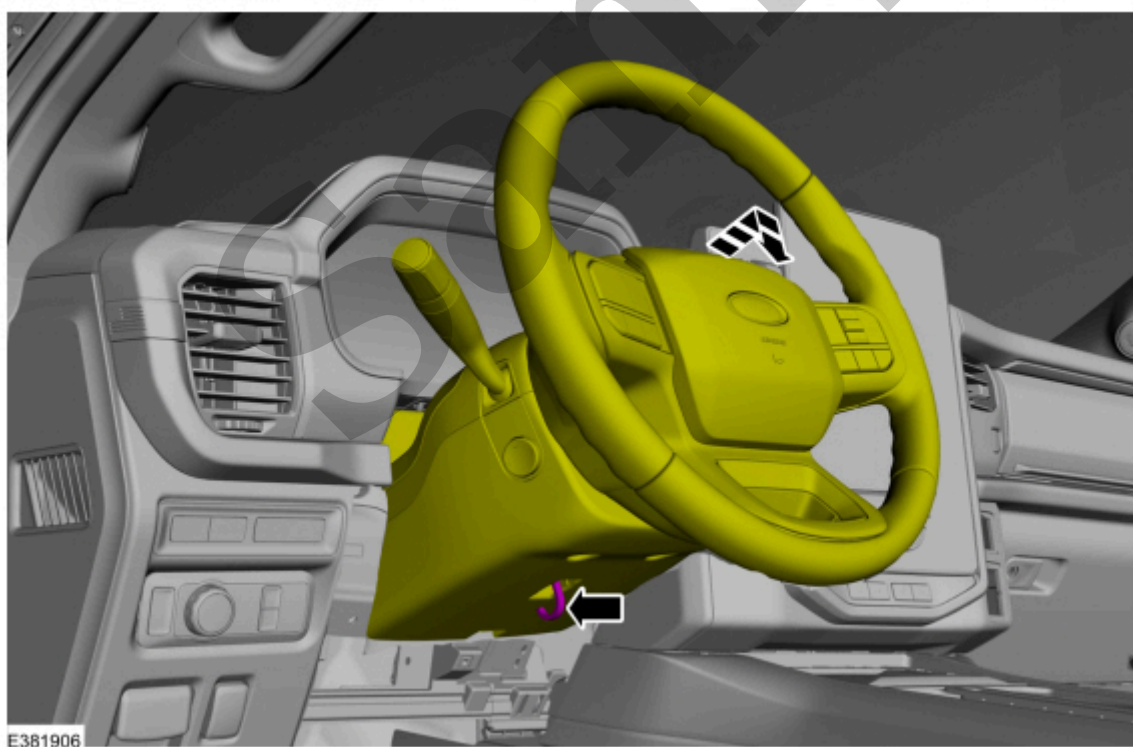


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6. Fully extend and lower the steering column.

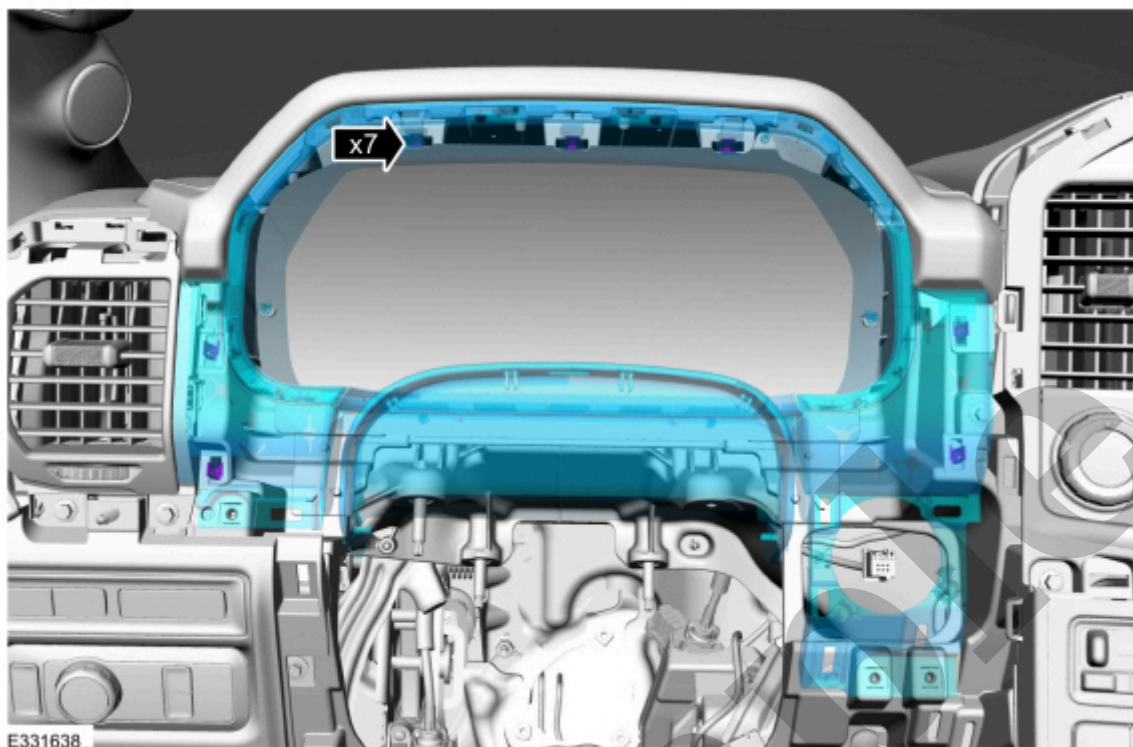


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7. Release the tabs and disconnect the gap hider from the upper steering column shroud.

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

9. Release the clips and remove the instrument cluster panel bezel.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

10. Remove the screws.

Torque : 22 lb.in (2.5 Nm)

1. To install, reverse the removal procedure.

2. Using a diagnostic scan tool, complete the PMI (programmable module installation) process for the IPC (instrument panel cluster) following the on-screen instructions.

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