

SECTION : 501-12 Instrument Panel and Console

VEHICLE APPLICATION : 2008.0 Falcon

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SPECIFICATIONS

Torque Specifications

Description	Nm
Instrument Panel Centre Tunnel Retaining Bolt (x1)	25 +/- 3.8 Nm
Instrument Panel Footwell Brace Retaining Bolt (x1)	25 +/- 3.8 Nm
Instrument Panel Cowl Top Bolt (x1)	10.5 +/- 1.6 Nm
Instrument Panel Outside Retaining Bolt (x2)	20 +/- 3 Nm
Instrument Panel Inside Retaining Bolt (x4)	30 +/- 4.5 Nm
Forward Console Retaining Screws (x4)	3.2 +/- 0.5 Nm
Rear Console Retaining Screws (x2)	2.5 +/- 0.5 Nm
Console Gearshift Retaining Screws (x3 for Auto / x2 Manual)	1.5 +/- 0.3 Nm
Column shift Ute Centre Finisher	3.7 +/- 0.6 Nm



DESCRIPTION AND OPERATION

Instrument Panel

The following components are contained within the instrument panel:

- * Climate control HVAC (Heating, Ventilation and Air Conditioning) unit
- * Glove compartment
- * Instrument cluster
- * Instrument panel side finish panels
- * Passenger airbag module
- * Instrument panel duct (incorporating demist, face centre and side ducts)
- * Vent outlet registers
- * Sunload sensor
- * Interior command centre

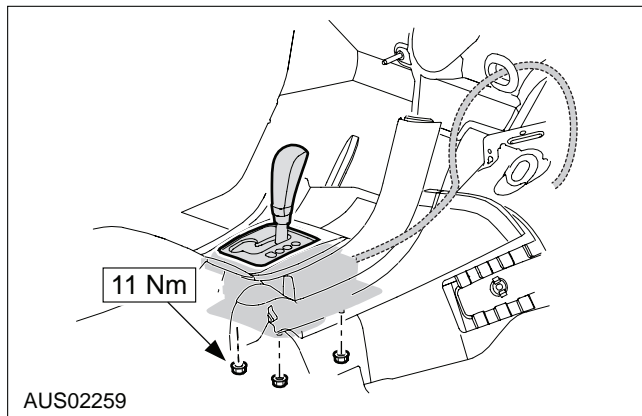


REMOVAL AND INSTALLATION

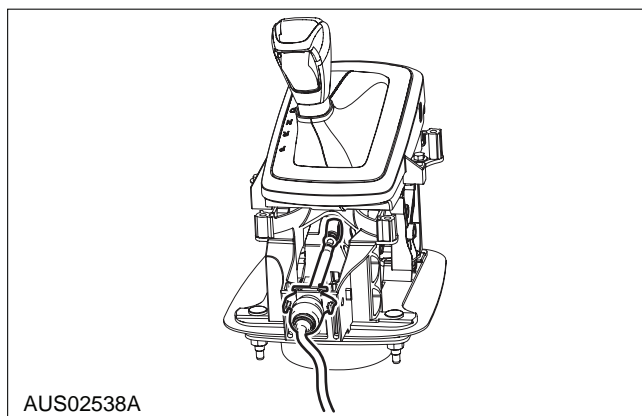
Instrument Panel

Removal

1. Raise the vehicle (Automatic Transmission Only).
2. Disconnect the four bolts that attach the housing to the floor pan (Automatic Transmission Only).

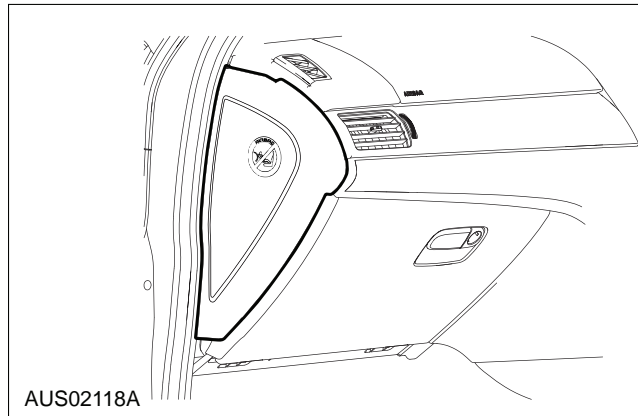


3. Lower the vehicle and move to a suitable work area.
4. Set seat back angle to vertical position and set height adjustment to full up position.
5. Disconnect the battery.
WARNING: ⚠ Wait at least one minute after disconnecting the battery ground cable before disconnecting any supplemental restraint system electrical connector. Failure to follow this warning could cause premature deployment and may result in personal injury.
6. Remove both front seats. For additional information, refer to Section 501-10.
7. Perform parking brake auto-adjuster reset. For additional information, refer to Section 206-05.
8. Remove floor console as described later in this section.
9. Detach the back light bulb/wiring and the selector cable (Automatic Transmission Only).

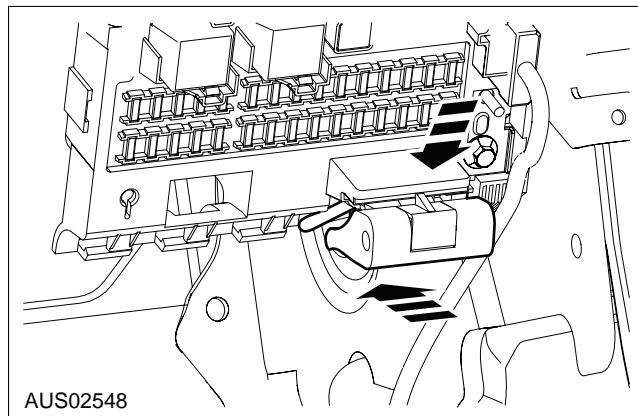


10. Remove the whole floor shift housing by lifting vertically (Automatic Transmission Only).

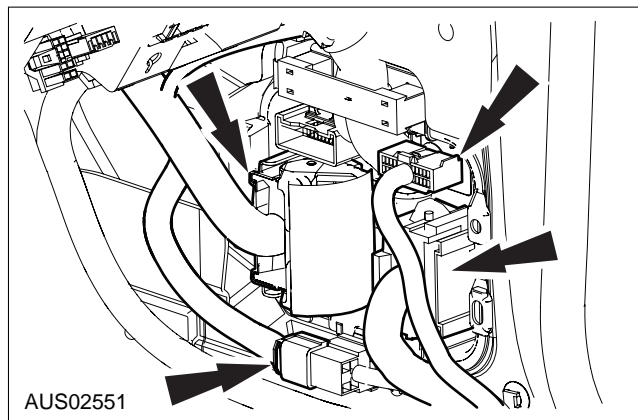
11. Remove the gear shift lever. For additional information, refer to Section 308-06 (Manual Transmission Only)
12. Remove A-pillar trim. For additional information, refer to Section 501-05.
13. Remove instrument panel end cap mouldings (LH and RH sides).



14. Remove the fuse panel cover.
15. Disconnect the engine hood release cable from the fuse box by pushing down at the rear and sliding it forward.



16. Detach the lever-lock wiring connectors at lower cowl side wiring block retainers (common both sides. RH side shown).



17. Detach wiring block retainers from body.



WARNING: ⚠ The restraints control module (RCM) orientation is critical for proper airbag supplemental restraint system (SRS) operation. If a vehicle equipped with an SRS system has been involved in a collision in which the center tunnel area has been damaged, inspect the mounting and bracket for deformation. If damaged, the RCM must be replaced whether or not the airbags have deployed. In addition, make sure the area of the RCM mounting is restored to its original condition.

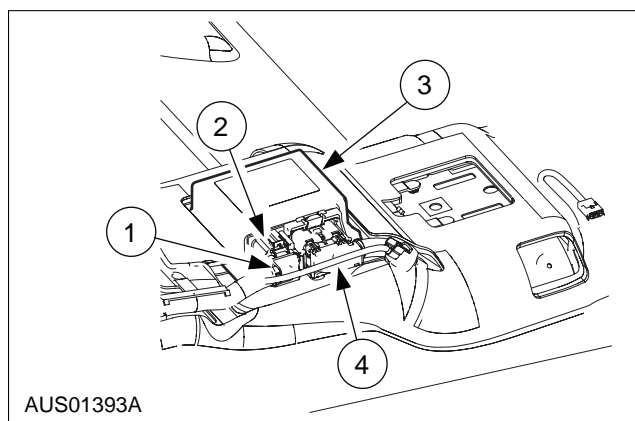
WARNING: ⚠ Vehicle sensor orientation is critical for proper system operation. If a vehicle equipped with an airbag supplemental restraint system (SRS) is involved in a collision, inspect the sensor mounting bracket and wiring pigtail for deformation. Replace and properly position the sensor or any other damaged supplemental restraint system (SRS) components whether or not the airbag is deployed.

WARNING: ⚠ To avoid accidental deployment and possible personal injury, the backup power supply must be depleted before repairing or replacing any front or side airbag supplemental restraint system (SRS) components and before servicing, replacing, adjusting or striking components near the front or side airbag sensors, such as doors, instrument panel, console, door latches, strikers, seats and hood latches.

To deplete the backup power supply energy, disconnect the battery ground cable and wait at least one minute. Be sure to disconnect auxiliary batteries and power supplies (if equipped).

CAUTION: ⚠ Electronic modules are sensitive to static electrical charges. If exposed to these charges, damage can result.

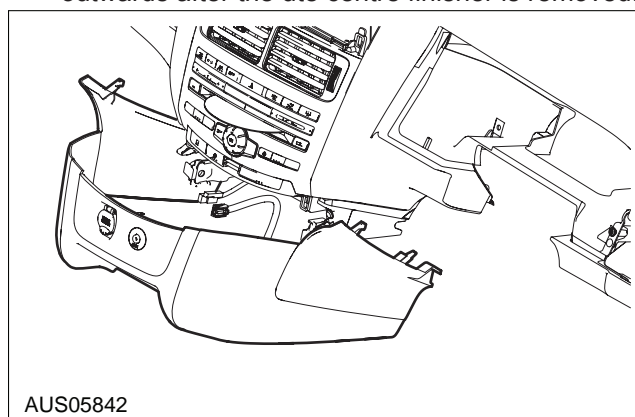
18. Disconnect the large restraints control module (RCM) electrical connector.



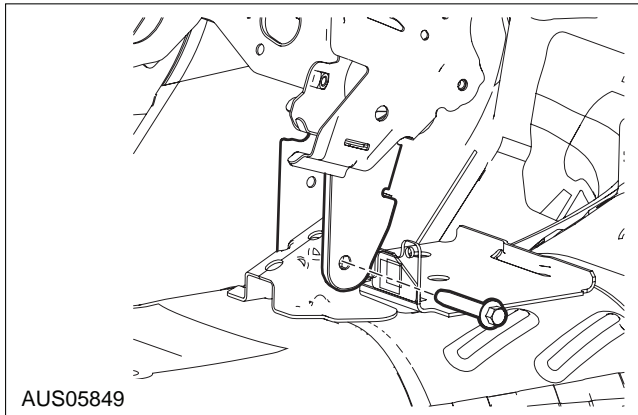
Item	Description
1	Small RCM connector cover
2	Small RCM connector
3	RCM
4	Large RCM connector

1. Pinch the thumb tab and pivot the connector position assurance lever all the way back until it stops.
 2. Pull out and disconnect the RCM electrical connector.
19. Disconnect the small RCM electrical connector.
1. Pull out and remove the electrical connector locking wedge.
 2. Push down to release the retaining tab.
 3. While releasing the retaining tab, pull out and disconnect the small RCM electrical connector.
20. Remove steering column. For additional information, refer to Section 211-04.
21. (Column Shift Only) Remove Centre Lower Finish Panel Assembly and the Ute Centre Tray assembly.

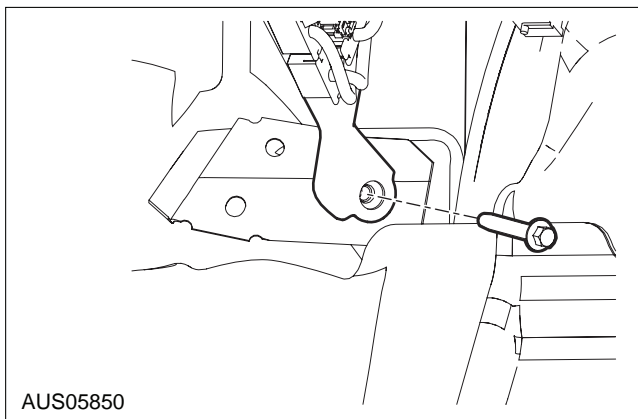
NOTE: The centre finish assembly is held with two screws in the bottom corners and will remove by carefully pulling horizontally. The ute centre tray assembly has two screws under the middle seat and remove by carefully lifting upwards and outwards after the ute centre finisher is removed.



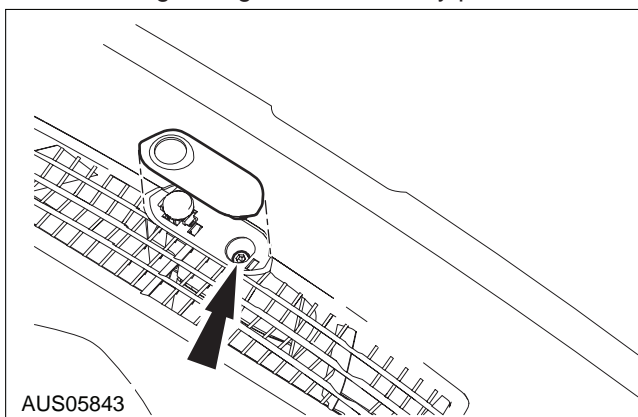
22. Remove the interior command centre. For additional information, refer to Section 413-08.
23. Remove instrument panel centre tunnel retaining bolt.



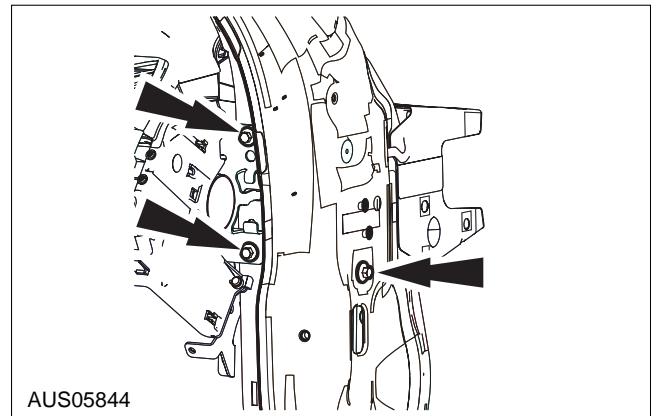
24. Remove instrument panel foot well brace retaining bolt.



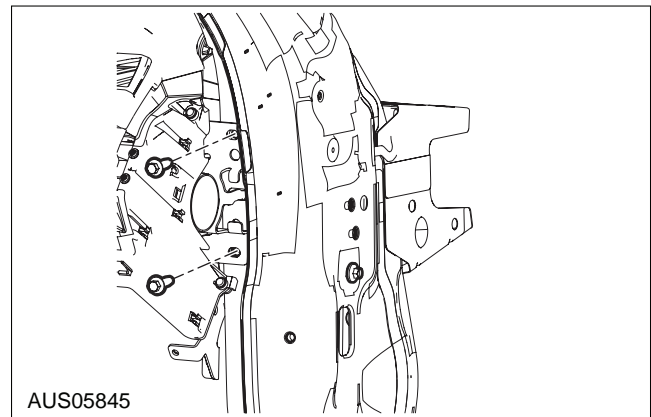
25. Remove the sunload sensor cover.
26. Loosen the instrument panel cowl top bolt at least 8-10 turns while pushing down firmly on the bolt head. This spreads the two instrument panel tangs so that they can be slid over the mating cowl tang during the disassembly process.



27. Undo outside instrument panel retaining bolts below upper front door hinge. Do not remove.



28. Remove instrument panel side retaining bolts.



29. Remove instrument panel assembly through right hand side of vehicle.

Installation

NOTE: Prior to installing the instrument panel assembly, its critical that the instrument panel cowl top bolt is loosened at least 8-10 turns while pushing down firmly on the bolt head. This process spreads the two instrument panel tangs so that they can slide over the mating cowl tang during assembly.

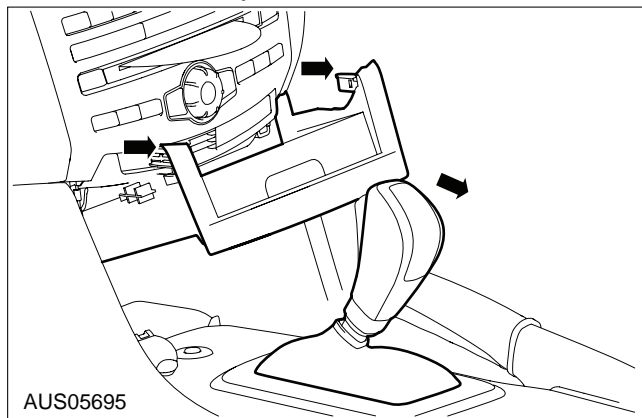
1. Reverse the removal procedure.
2. Perform the parking brake auto-adjuster reactivation. For additional information, refer to Section 206-05.



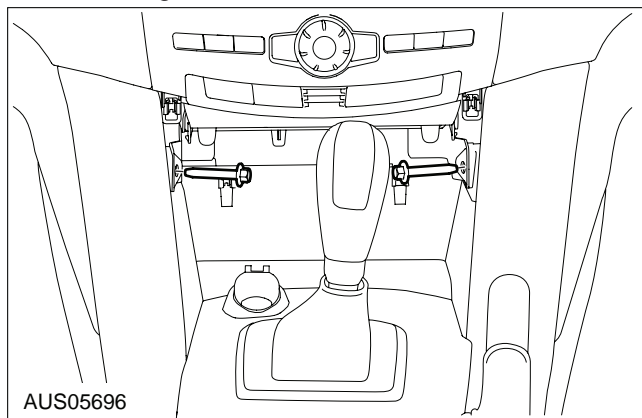
Floor Console & Duct Assembly

Removal

1. Move the shifter to 'Drive' and remove tissue holder assembly.

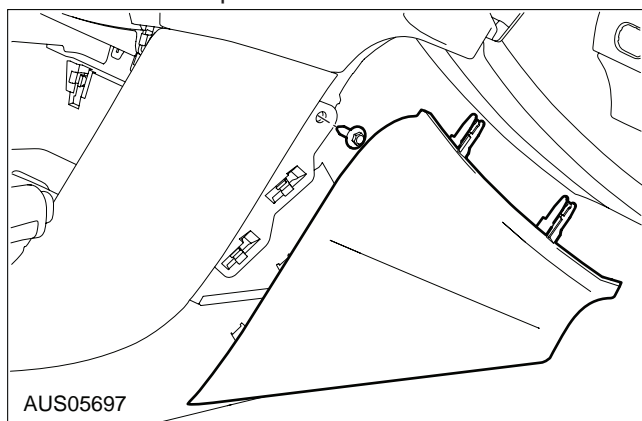


2. Remove the screw which attaches ICC bracket to IP, through the console, both LH & RH.



3. Remove console retaining screws at instrument panel interface both LH & RH.

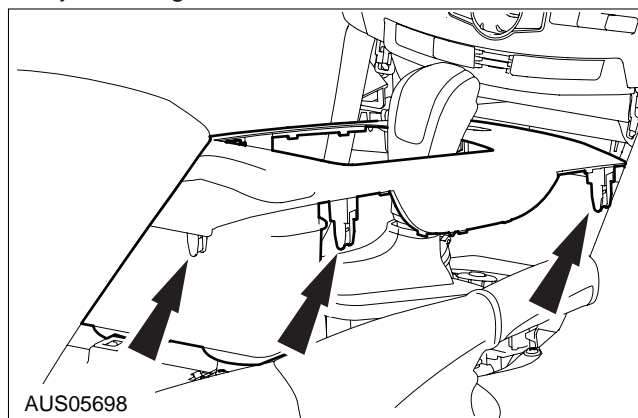
NOTE: To remove the side panels, first pull outwards the pointed ends.



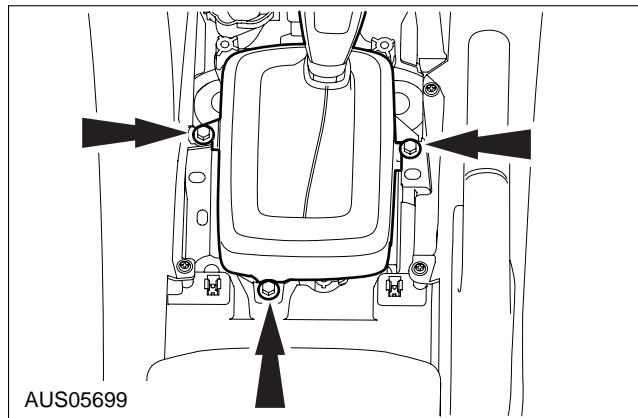
4. Lift the lid.

5. Remove the console top finisher or manual gear shift cover by lifting the cover evenly at the points illustrated below.

NOTE: Ensure that the 12V and auxiliary input jack wiring are disconnected.



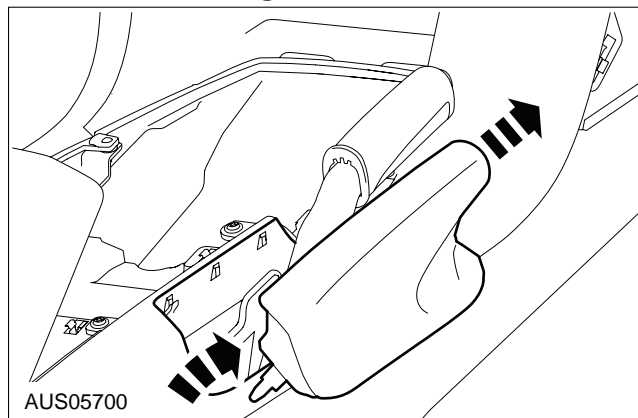
6. Remove console gearshift retaining screws (3 screws for Automatic, 2 screws for Manual).



7. Remove the park brake boot from the console rail.

NOTE: Carefully disconnect the upper edge of the boot by manoeuvring it towards the brake lever slightly. Two clips forward and aft, unclip by pulling in 45 deg angle. Park brake boot cover will slide over the handle.

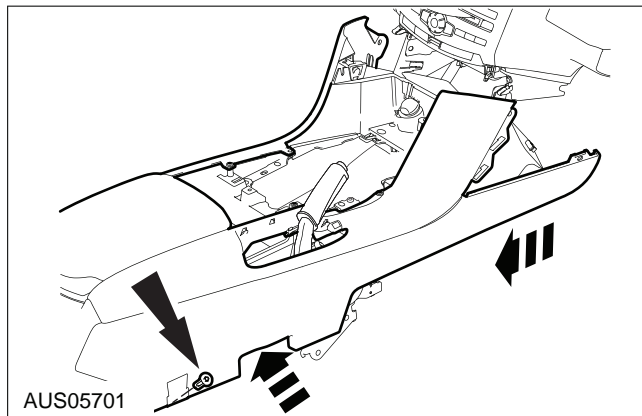
Caution: ⚠ Place protective tape over the park brake handle to prevent damage/scratches during console removal.



8. Remove side screw fixings.



9. Move the park brake handle to the 'ON' (vertical) position.
NOTE: The handbrake must be disconnected to allow for the handle to swing to a near vertical position.
10. Lift console at rear and disconnect wiring lead (where fitted).
11. Remove console and duct assembly.



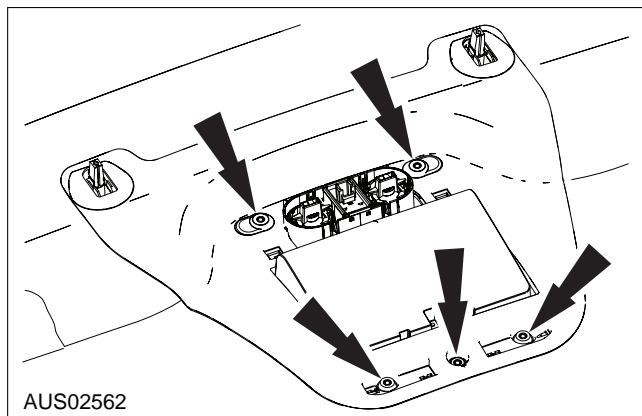
Installation

1. Reverse the removal procedure.

Overhead Console

Removal

1. Carefully remove the headliner. For additional information, refer to Section 501-05.
2. Disconnect all the wiring to the interior dome lamp, reading lamps/mobile office lamps. For additional information, refer to Section 417-02.
3. Carefully remove the headliner from the vehicle. (Care should be taken when handling headlining not to bend or crease unnecessarily).
WARNING: ⚠ Take care when handling headlining as skin irritation may result from contact with fiberglass fibers.
4. Remove the 4 screws (screw 4.2 x 1.4, 1x13 pan washer head tap) connecting the backing plate that is glued to the headliner and overhead console.



Installation

1. Reverse the removal procedure.

Sun Load Sensor

For removal and installation of sunload sensor, refer to section 412-04.

Vent Outlet Registers

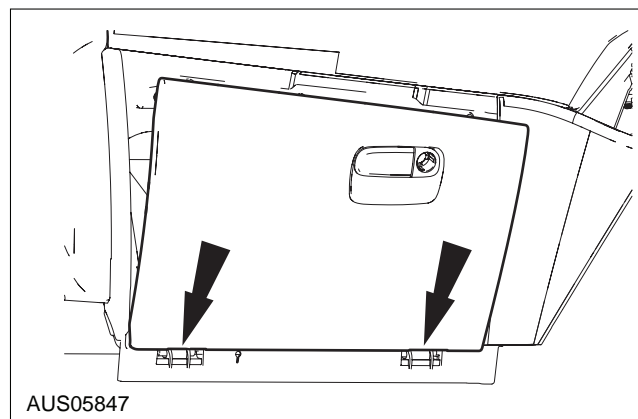
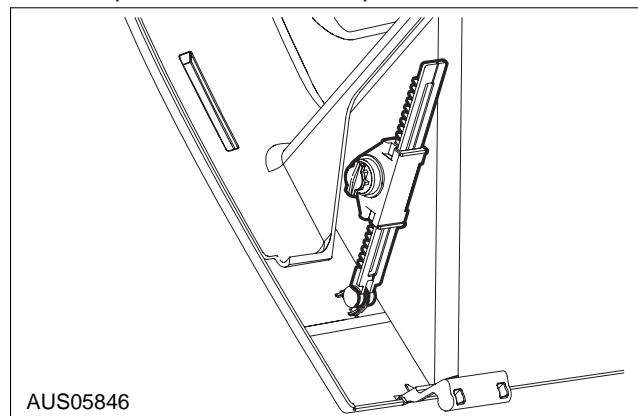
For removal and installation of climate control vent outlet registers, refer to section 412-02.

Glove Compartment (with / without damper mechanism)

Removal

NOTE: Removal of the glove box compartment with a damper follows the similar directions as without a damper.

1. Slightly open the glove box to release the catch from the striker.
2. Push the hinges apart, starting with the LHS hinge, followed by the RHS hinge.
3. The glove box compartment will lift out of assembly. If the damper is fitted, bring the glove box compartment downwards will allow the damper mechanism to separate.



Installation

1. Place the damper rack into the damper mechanism and gently push forward guiding the glove box compartment opening catch under and behind the stop.
2. Position the hinges above the hinge barrel and snap the RHS hinge into the barrel. Snap the LHS into the barrel and close the glove box compartment.
3. Check installation for correct operation.

