# Your Ultimate Source for OEM Repair Manuals

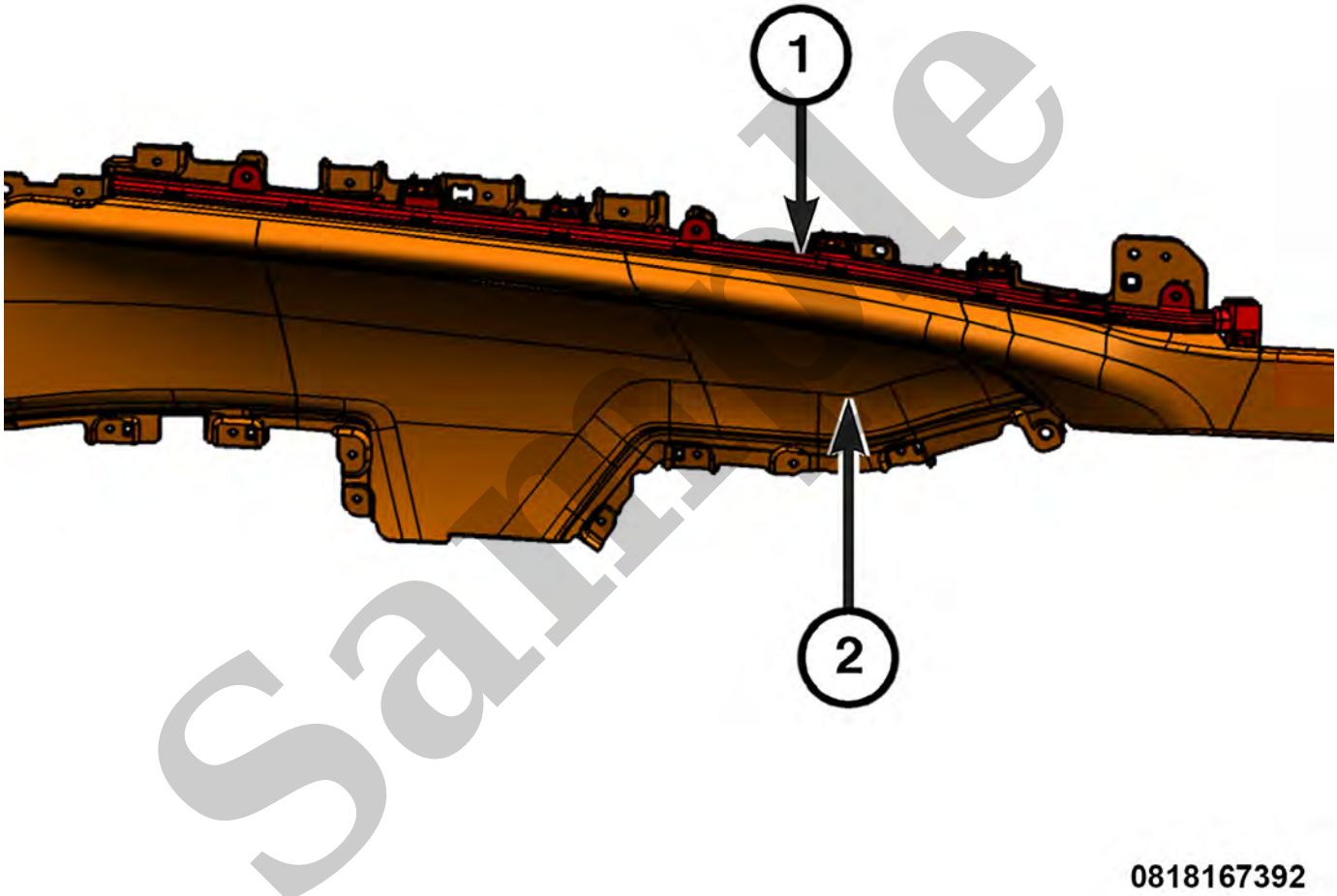
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 2006 Jeep LIBERTY Service Manual

Go to manual page

| |
|---|
| 1 - Fasteners |
| 2 - Door Trim |

2. Remove the fasteners securing the trim to the door panel.




| |
|---|
| 1 - Light Spear |
| 2 - Trim |

3. Remove the fasteners securing light spear to the trim and remove the light.

**INSTALLATION**

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Tighten the fasteners securely.

1 - Footwell Lamp

**NOTE**

Right side shown, left side similar.

2. Press the integral latch retainer and remove the footwell lamp from the silencer panel.
3. Remove the footwell lamp from the vehicle.

**INSTALLATION**

Follow the removal procedure in reverse for general reassembly of the components on the vehicle.

| |
|---|
| 1 - Fasteners |
| 2 - Light Spear |

2. Remove the fasteners that secures the light spear to the left outboard instrument panel trim.
3. Remove the light spear from the left outboard instrument panel trim.

**INSTALLATION**

Follow the removal procedure in reverse for general reassembly of the components on the vehicle. The steps listed below are calling out specific procedures that should be followed during installation.

- Tighten the fasteners securely.

**Refer To List:**

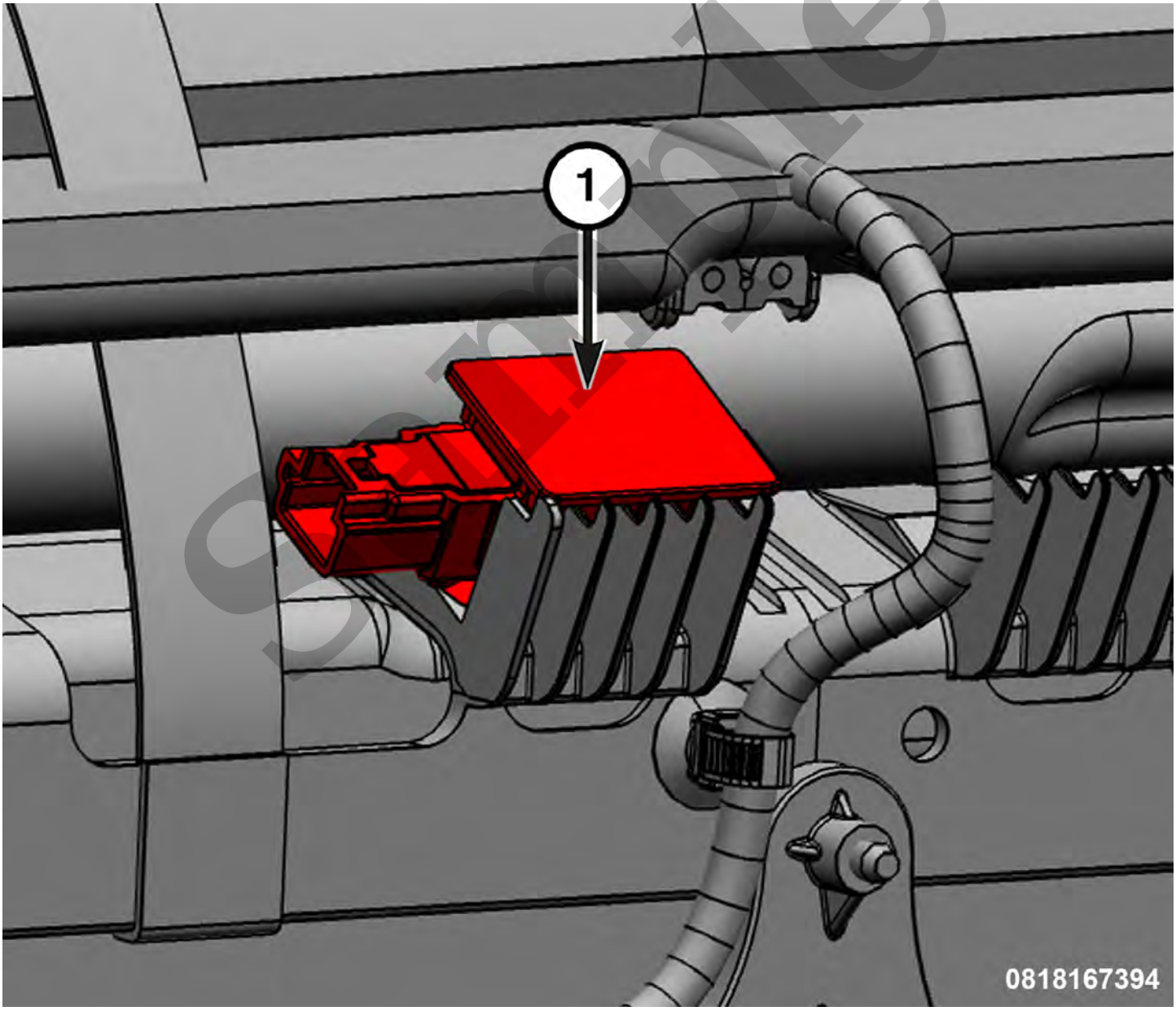
List 1

- 23 - Body / Instrument Panel / BEZEL, Instrument Panel, Applique / Removal and Installation
- 23 - Body / Instrument Panel / BEZEL, Instrument Panel, Center / Removal and Installation
- 23 - Body / Instrument Panel / BEZEL, Instrument Panel, Steering Wheel / Removal and Installation

# Seat Lamp

## SEAT LAMP

### REMOVAL

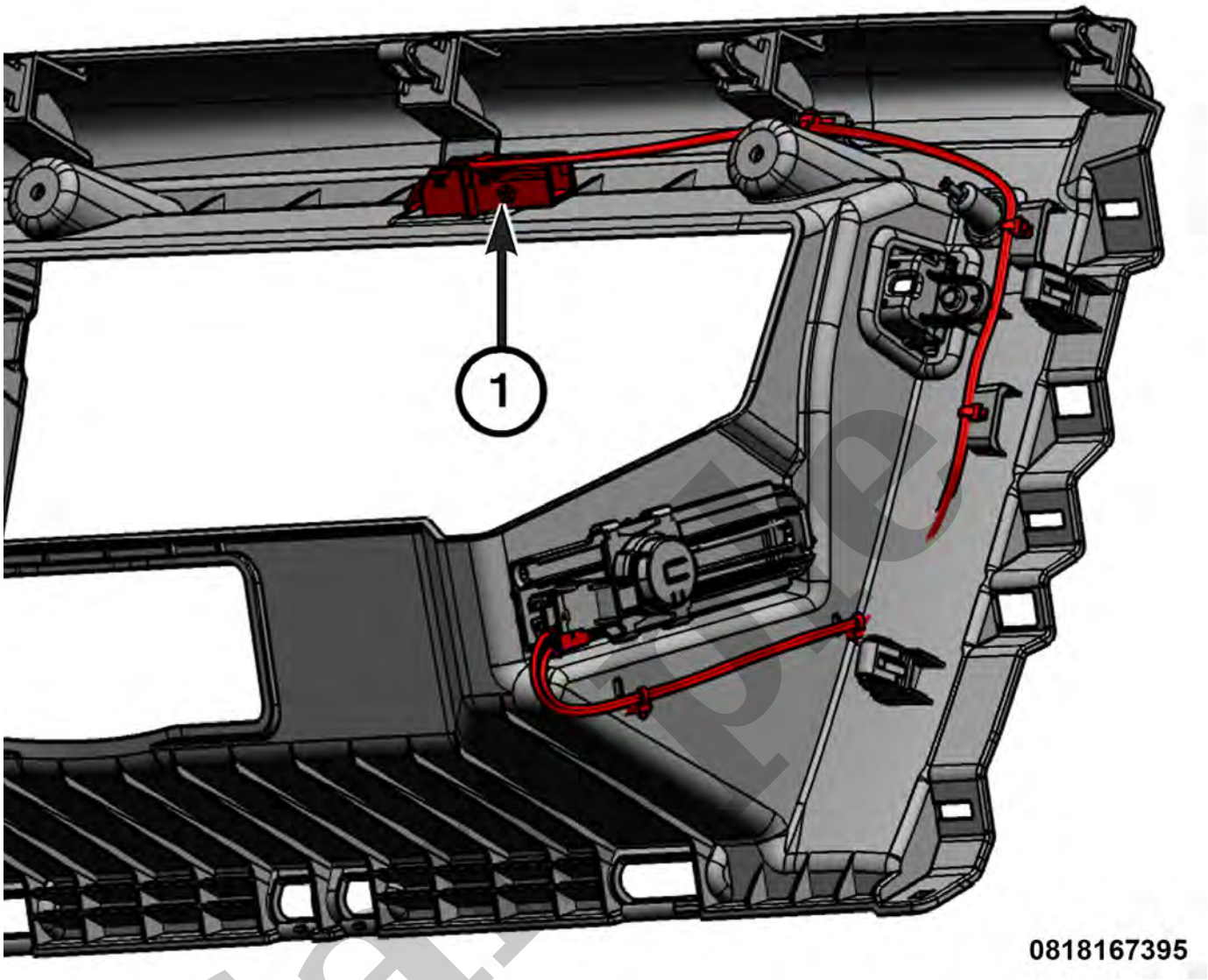


**REMOVAL**

1. Open the front door to gain access to the entry/exit lamp.
2. Using a trim stick or another suitable flat wide-bladed tool, gently pry the rearward edge of the front entry/exit lamp (also known as the puddle lamp) down from the mounting hole in the lower horizontal surface of the trim panel.
3. Disconnect the door wire harness connector from the lamp.
4. Remove the lamp from the vehicle.

**INSTALLATION**

Follow the removal procedure in reverse for general reassembly of the components on the vehicle.




1 - Glove Box Lamp

2. Disconnect the wire harness connector from the dampener and disengage the wire harness fasteners.
3. While holding the retainers depressed, pull the glove box lamp out through the mounting hole in the face of the instrument panel.
4. Remove the lamp from the instrument panel.

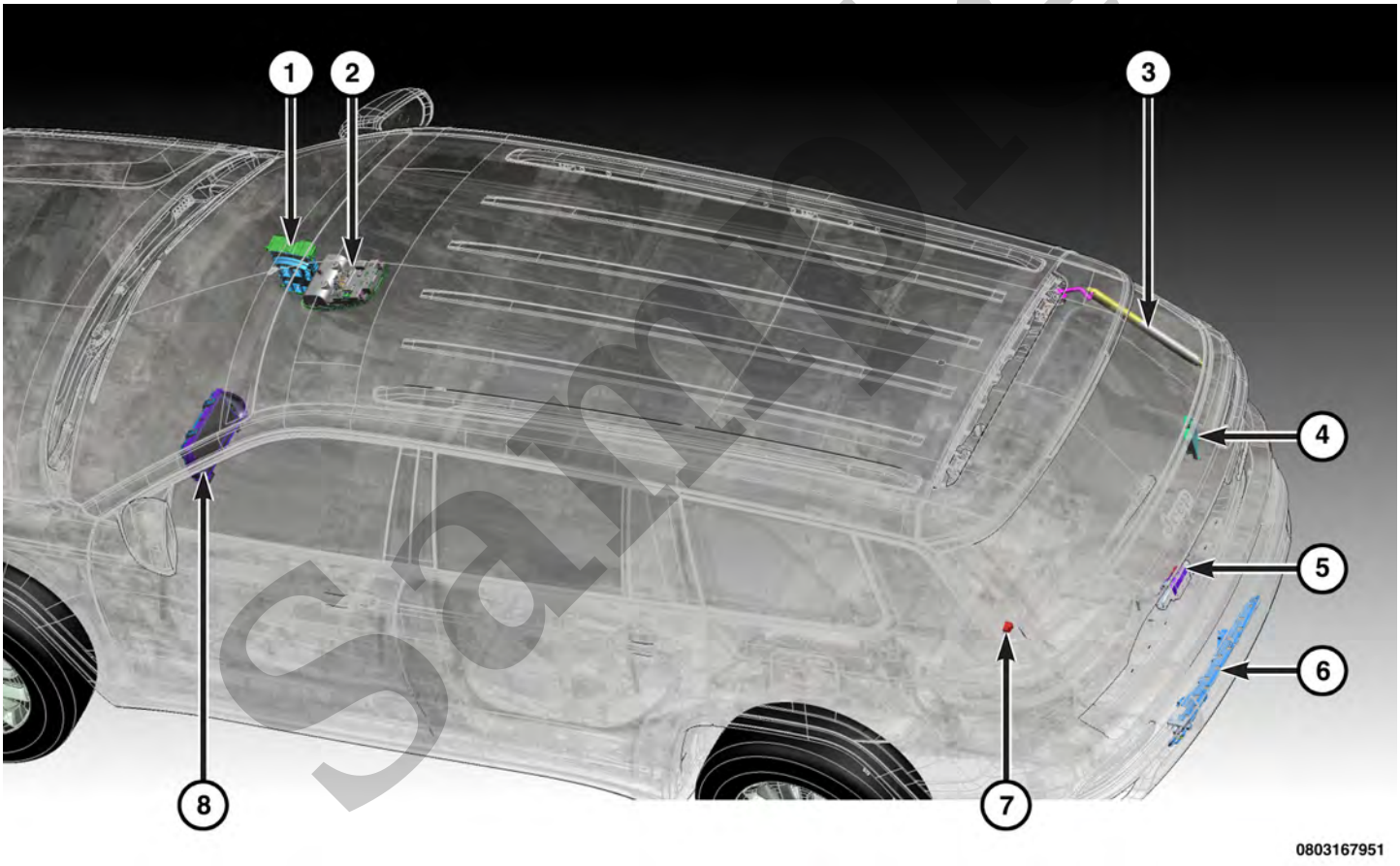
**INSTALLATION**

Follow the removal procedure in reverse for general reassembly of the components on the vehicle.

# Power Liftgate System

## POWER LIFTGATE SYSTEM

### DESCRIPTION




Some of the major components of the power liftgate system:

Component Index

| | |
|---|---|
| 1. | Body Control Module (BCM) |
| 2. | Overhead Console Switch |
| 3. | Power Liftgate Drive Unit (PDU) |

and temperatures may be used to modify the drive power. Battery voltage at 10.5v or lower will impede the drive motor from operating.

The liftgate is moved by utilizing the:

- Latch Motor(+)
- Latch Motor(–)
- Drive Motor Open
- Drive Motor Close

The latch motor is considered driven forward with a positive voltage differential of Latch Motor(+) to Latch Motor(–). The opposite is true for rearward movement.

The drive motor is considered driven open with a positive voltage differential of Drive Motor Open to Drive Motor Close. The opposite is true for the closed position.

The Hall effect sensors provide the PLGM with both a speed signal and a direction signal. These Hall effect inputs allow the PLGM to monitor and respond appropriately to any irregularities in liftgate travel and or operation.

The long, large diameter coil spring within the PDU is strong enough to assist in opening and, in combination with the gas-charged lift cylinder on the left side of the liftgate, will support the liftgate in any open position. The short, small-diameter spring provides an initial liftoff that moves the liftgate latch away from the latch striker after the power liftgate latch is initially released.

Power Liftgate Latch and Actuator

Component Index

Vehicles equipped with a power liftgate, utilize a power cinch/release latch. This power liftgate latch performs the same function as a manual liftgate latch as well as the power cinch/release capability.

The power cinch/release latch function is made possible by a latch actuator attached to the top of the liftgate latch assembly. This latch actuator contains a small drive gear that meshes with the latch assemblies internal gears to perform the power cinch/release function. The latch actuator is controlled by the PLGM, which controls the cinch function and limits actuator current draw to protect the assembly. The latch is located in the lower center of the liftgate assembly and contains integral switches. These switches include, liftgate ajar, secondary, pawl, sector and power liftgate exterior handle.

Power Liftgate Latch Switch

Component Index

This switch outputs a RF-Hub signal indicating that the trans handle release state indicates a transition to an active state. If the operation conditions are met, and the liftgate is unlocked or the latch is released, then the