

# 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.

## 2007 Jeep COMPASS PATRIOT Service Manual

[Go to manual page](#)

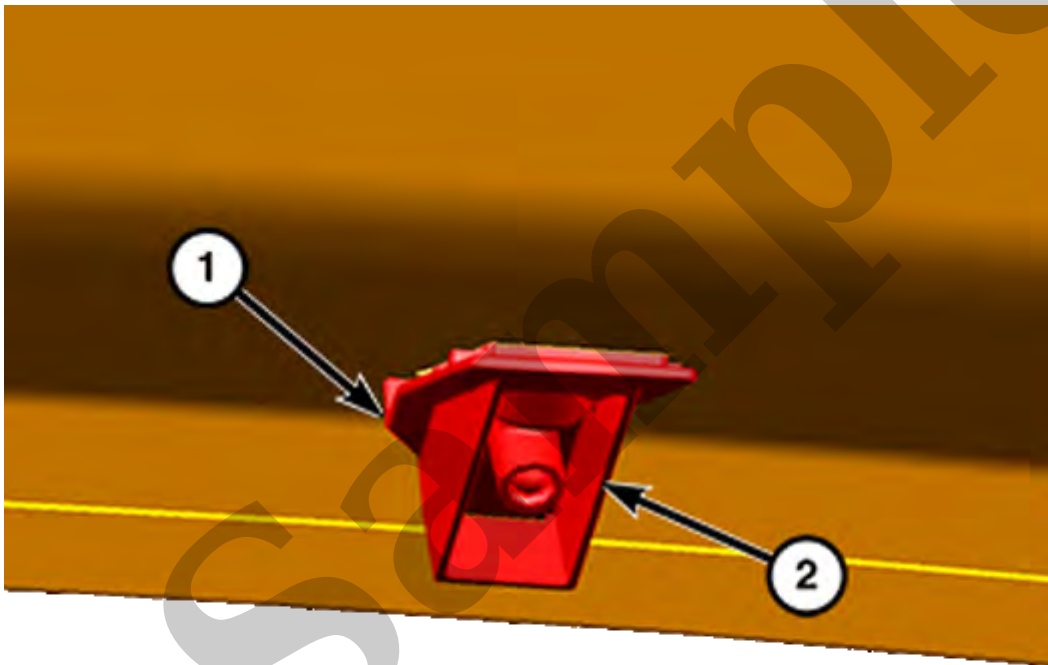
YOUR CURRENT VEHICLE

## Front Windshield Washer Nozzle

### FRONT WINDSHIELD WASHER NOZZLE

#### REMOVAL

1. Open the hood.



0833133031

1 - Tab

2 - Washer Nozzle

2. From the underside of the hood, release the tab and pull the washer nozzle out of the hood.

YOUR CURRENT VEHICLE

## Rear Glass Washer Nozzle

### REAR GLASS WASHER NOZZLE

#### REMOVAL

1. Remove the rear spoiler ([Refer to Body/Decklid/Hatch/Liftgate/Tailgate/SPOILER/Removal and Installation](#)).



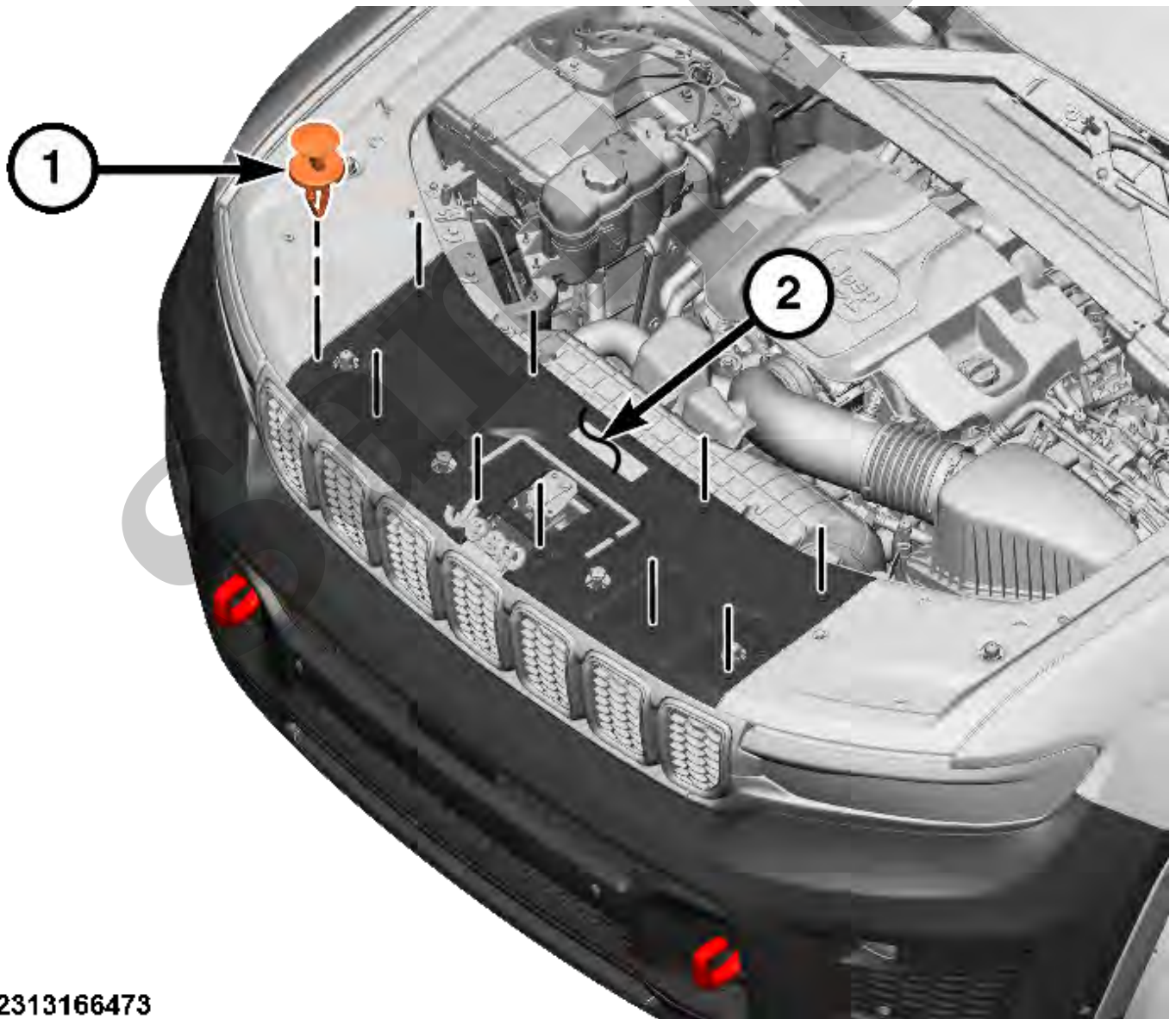
YOUR CURRENT VEHICLE

## Windshield Washer Reservoir

### WINDSHIELD WASHER RESERVOIR

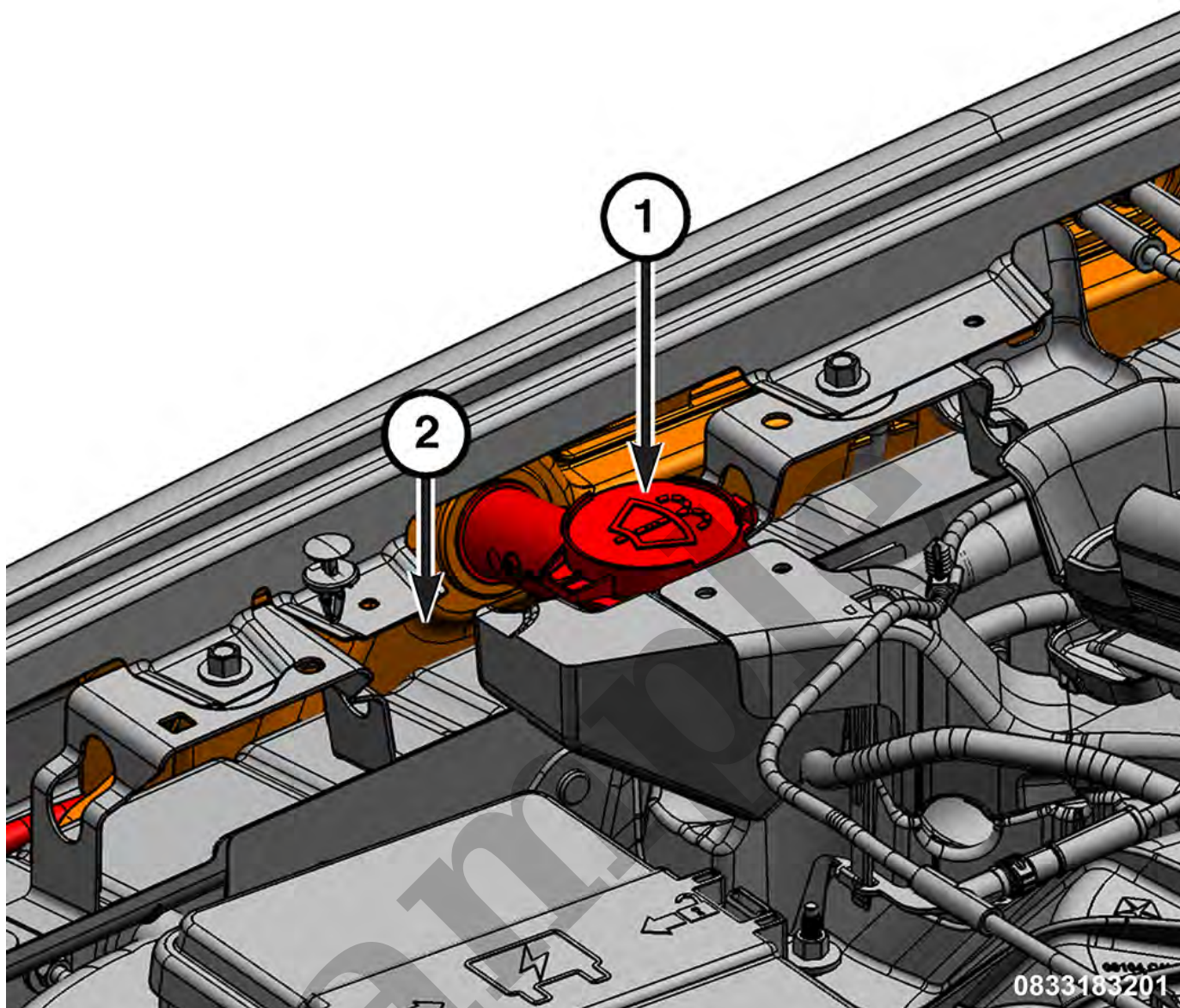
#### REMOVAL

1. Siphon the washer fluid from the windshield washer reservoir into a clean container for reuse.



2313166473





1 - Filler Neck

2 - Windshield Washer Reservoir

6. Remove the windshield washer reservoir filler neck from the windshield washer reservoir.
7. Remove the right front wheelhouse splash shield ([Refer to 23 - Body/Exterior/SHIELD/Removal and Installation](#)).

DESCRIPTION	SPECIFICATION	COMMENT
Front Wiper Arm Nut	23 N·m (17 Ft. Lbs.)	–
Rear Wiper Arm Nut	8 N·m (71 In. Lbs.)	–
Rear Wiper Motor Bolts	5 N·m (44 In. Lbs.)	–
Washer Reservoir Bolts	11 N·m (8 Ft. Lbs.)	–
Wiper Linkage Module Bolts	5 N·m (44 In. Lbs.)	–

Sample

Sample

YOUR CURRENT VEHICLE

## Navigation Antenna

### NAVIGATION ANTENNA

The navigation antenna is serviced as a unit with the combination antenna located on the roof panel ([Refer to Electrical/8A - Audio and Video/ANTENNA, Satellite/Removal and Installation](#))(Refer To List 1).

### Refer To List:

#### List 1

- [08 - Electrical / 8A - Audio/Video/Entertainment/Connectivity / ANTENNA, Digital Audio Broadcasting / Removal and Installation](#)
- [08 - Electrical / 8A - Audio/Video/Entertainment/Connectivity / ANTENNA, Satellite, Audio / Removal and Installation](#)



## Bluetooth®/Wi-Fi Antenna

[Component Index](#)

The Bluetooth®/Wi-Fi antenna is mounted behind the floor console right upper valance panel.

The antenna is used to receive and transmit the RF signals for Bluetooth® and Wi-Fi data.

## Body Control Module (BCM)

[Component Index](#)

### Outputs:

- Average calculated vehicle speed
- Average vehicle speed fault status

## Combination Antenna

[Component Index](#)

The vehicle is equipped with a combination antenna for AM/FM, LTE1 cellular signals, satellite audio and navigation signal use.

The audio system components are designed to provide audio entertainment and information through the reception, tuning and amplification of locally broadcast radio signals in both the Amplitude Modulating (AM) and Frequency Modulating (FM) commercial frequency ranges and other frequencies in export markets - AM/FM/FM2/LTE1/SDARS radio frequencies received.

## Electronic Vehicle Information Center (EVIC) Switches

[Component Index](#)

The eight switches on the left in the EVIC switch unit are normally open, resistor multiplexed momentary switches that are connected to the BCM via a Local Interface Network (LIN) data bus through the steering wheel wire harness and the Steering Column Control Module (SCCM) on the steering column. The BCM reads the EVIC switch inputs then sends the appropriate electronic messages to the radio over the CAN-IHS data bus to invoke the requested command.

## Long Term Evolution 2 (LTE2) Antenna

[Component Index](#)

The radio is located within the instrument panel and is the primary component of the hands free phone system in this vehicle. Depending upon selected vehicle optional equipment the radio may include a microcontroller, a Bluetooth® transceiver, a navigation module, flash memory and sophisticated Advanced Speech Recognition (ASR) input capability through Voice Recognition (VR) software. The ASR software includes many different available languages. Each vehicle is equipped with a list of available languages, which are made available from the factory based upon languages most commonly used for the market destination, ([Refer to Electrical/8E - Electronic Control Modules/RADIO/Description and Operation](#)).

A factory-installed satellite navigation system based upon the Global Positioning System (GPS) is an available option on this vehicle. A color touchscreen electronic DSM for the radio provides a graphical interface for programming, searching for and selecting destinations. In vehicles also equipped with a Uconnect® Hands Free telecommunication option, the available navigation systems are also equipped with ASR input capability allowing hands free operation.

This navigation system provides visual guidance through dynamic maps, while voice prompts through the audio system of the vehicle provide the vehicle operator with audible alerts and directions coordinated with the visual displays. The system also displays and logs valuable trip information such as speed, posted speed limit, distance and Estimated Time of Arrival (ETA).

The radio also contains a microcontroller and programming that allows it to communicate with other electronic modules in the vehicle using the Controller Area Network – Interior High Speed (CAN-IHS) data bus, ([Refer to Electrical/8E - Electronic Control Modules/COMMUNICATION/Description and Operation](#)).

## OPERATION

The optional navigation system is active whenever the radio electronic display is powered ON. If a navigation system menu or map is not being actively displayed, the system is still operating in the background. The menu, map or route that was active when the radio was powered OFF along with all other user-relevant information is saved in nonvolatile memory by the navigation module for display again the next time the radio is powered ON and the navigation system is selected.

Once a destination is selected, the navigation system uses information from stored map data to quickly calculate a route. As the vehicle is driven along that route, the vehicle operator is guided with visual displays and voice prompts. Any variances from that route will cause the navigation system to automatically recalculate and deliver a revised route to the chosen destination.

All vehicles have their original map and Points-Of-Interest (POI) data stored in nonvolatile flash memory integral to the navigation module integral and internal to the radio. The originally installed data is based upon the market for which the vehicle was manufactured.

The GPS receiver of the navigation module is capable of acquiring and tracking GPS signal inputs through the roof-mounted combination antenna from numerous satellites simultaneously to calculate and display the