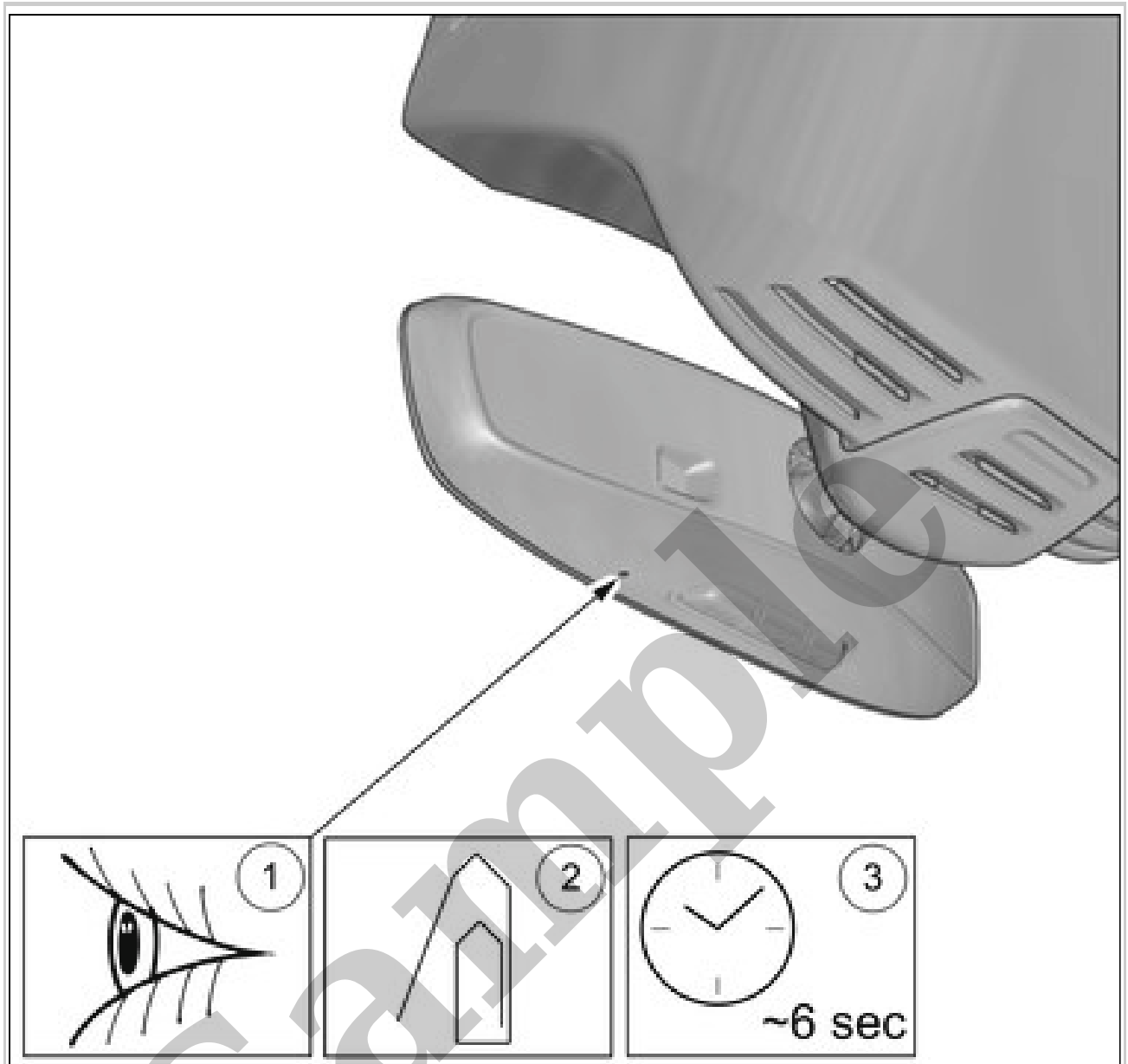


# Your Ultimate Source for OEM Repair Manuals

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## 2007 VOLVO C30 OEM Service and Repair Workshop Manual

[Go to manual page](#)



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**CHECK**

**VEHICLES, SUBJECTED TO A COLLISION, BUT WHERE NO PYROTECHNICAL DEVICE HAS DEPLOYED.**

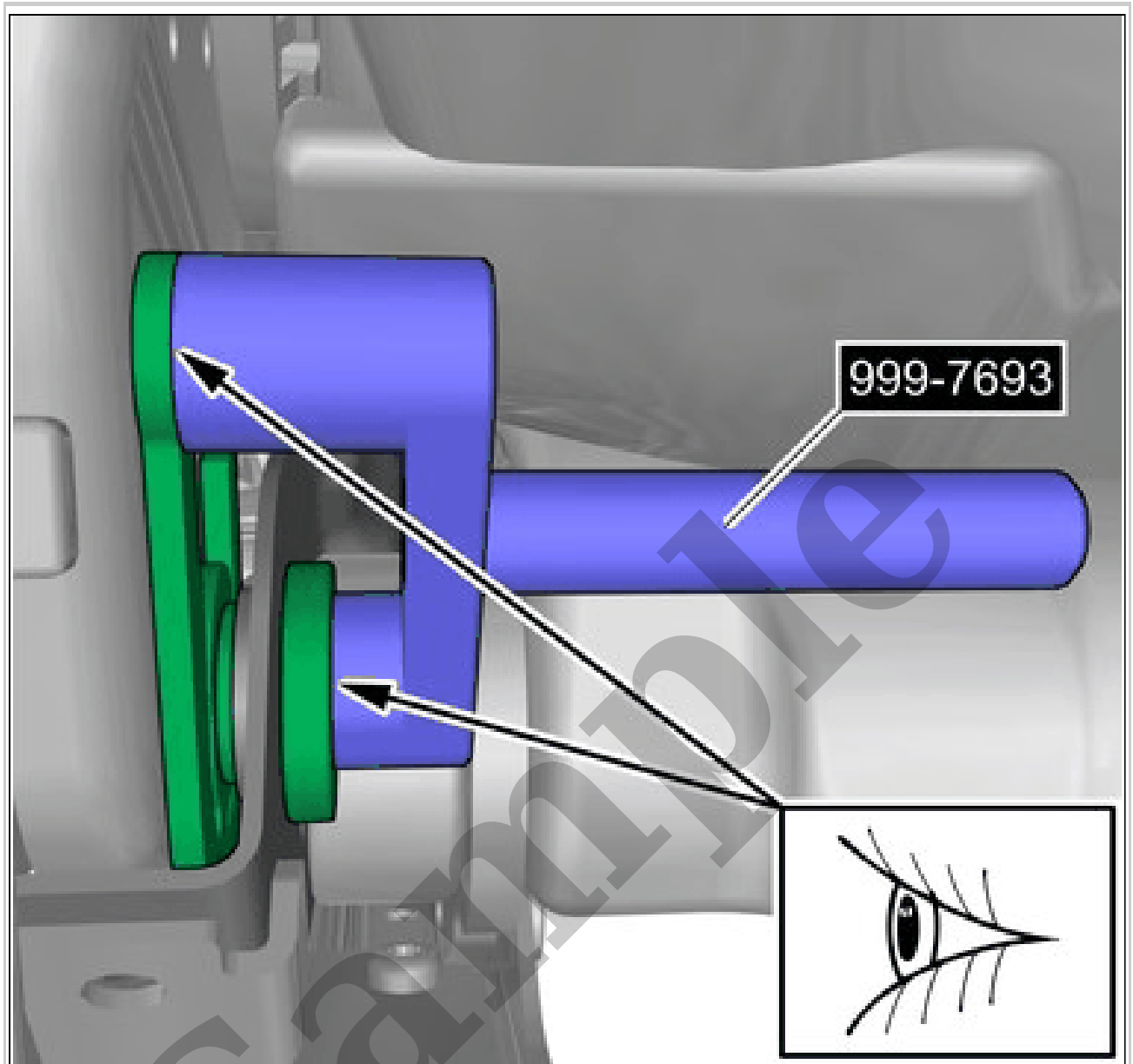
Steering wheel

Steering column

Seat belts

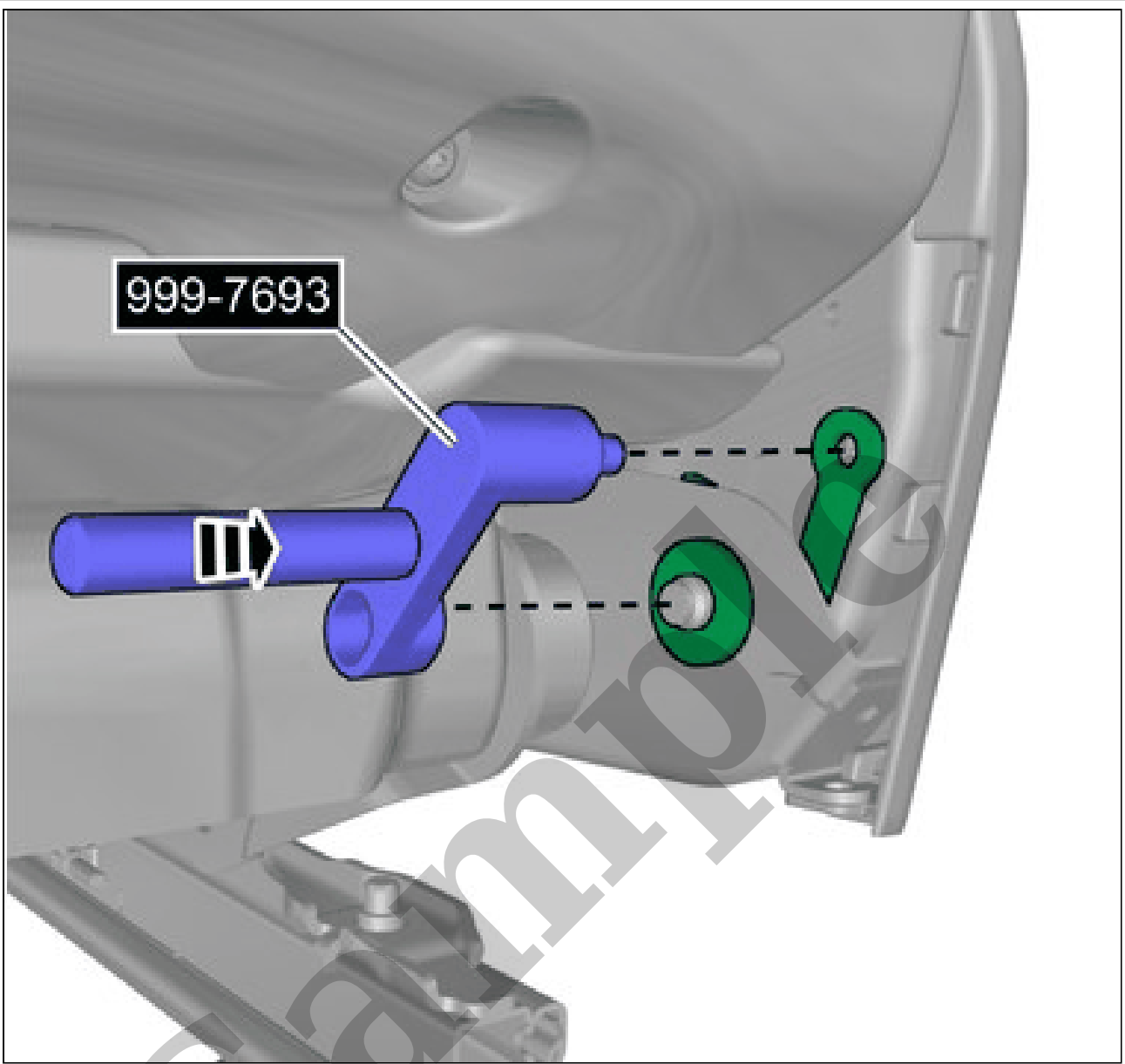
Collision sensors located in the front, when collision has occurred that affects this area (Front bumper)

**COLLISION PROTECTION UNIT FROM BEHIND FRONT SEAT CHECK > COLLISION PROTECTION UNIT FROM BEHIND FRONT SEAT CHECK [2018-2022] > CHECK**



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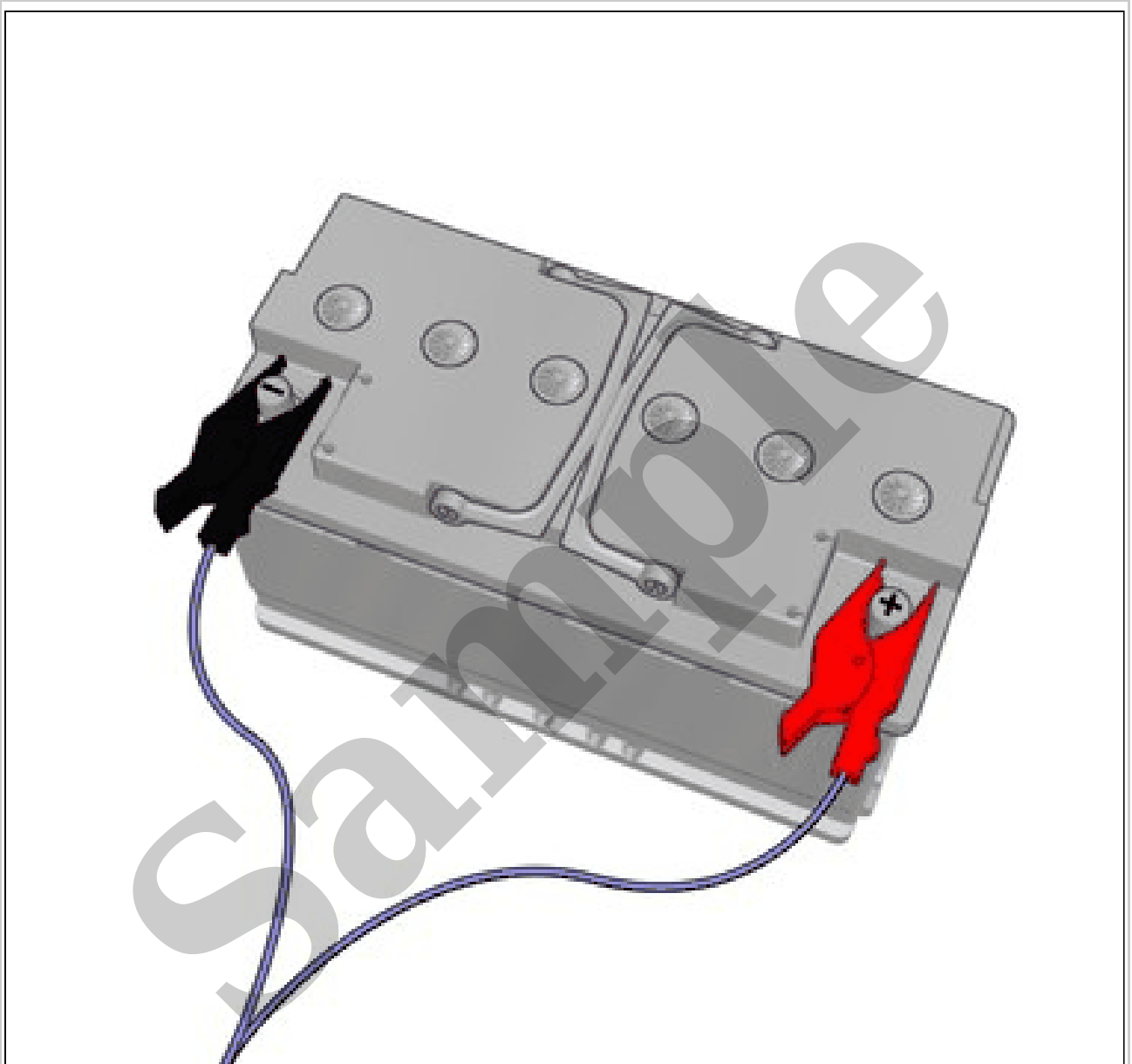
Special Tool: 999 7693 Fixture  
The graphic shows the correct design.



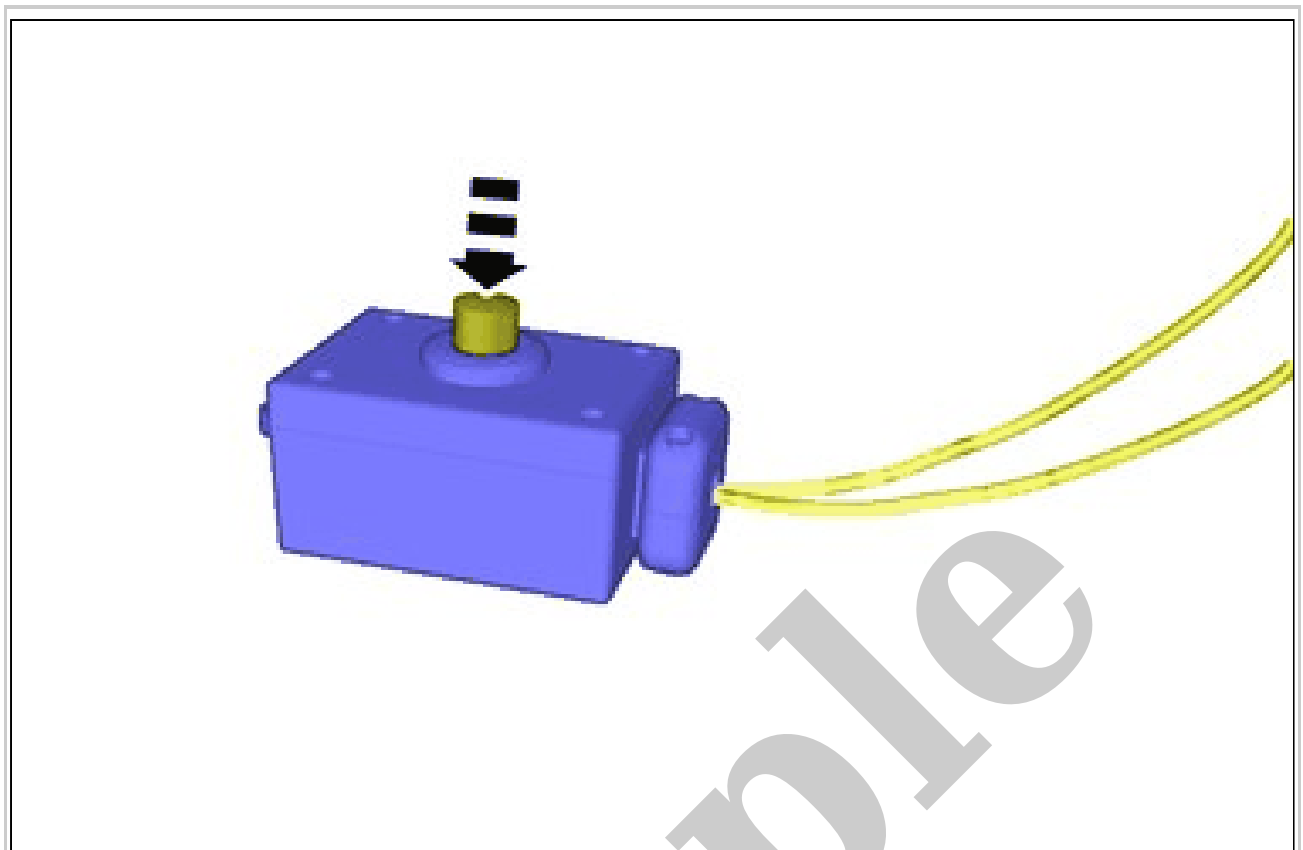
Courtesy of VOLVO CARS CORPORATION

Special Tool: 999 7693 Fixture

**CAUTION:** *If a pyrotechnic component has several connectors, it has several ignition devices and several steps. All must be destroyed.*



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**NOTE:** Deployed pyrotechnic components must be disposed of according to local regulations.

## SEAT BELT FUNCTION, CHECK > SEAT BELT FUNCTION, CHECK [2018-2022]

**NOTE:** For information on Volvo color coded illustrations, refer to: IMAGES .

### CHECK

## **BACKREST FAN > BACKREST FAN (6/151, 6/153, 6/188, 6/190) [2018-2022] > DESCRIPTION**

A backrest fan actuates the ventilation of the backrest by adjusting the fan speed.

## **BACKREST FAN > BACKREST FAN (6/151, 6/153, 6/188, 6/190) [2018-2022] > DIAGNOSTIC INFORMATION**

### **Front seats**

The front seat backrest fans do not have a built-in diagnostic system. The applicable seat heating modules monitor the fans and sets DTCs and readable parameters.

### **Rear seat (Excellence models only)**

The rear seat backrest fans have no diagnostic information in VIDA.

## **BACKREST FAN > BACKREST FAN (6/151, 6/153, 6/188, 6/190) [2018-2022] > CONNECTION AND COMMUNICATION**

A backrest fan is directly connected to the applicable seat heating module.

## **CAPACITIVE OCCUPANT SENSOR COS > CAPACITIVE OCCUPANT SENSOR COS (7/378) [2018-2022] > DESCRIPTION**

The front passenger seat is equipped with a capacitive occupant sensor COS that is used to provide the Supplemental Restraint System Module (SRS) with information about the front passenger seat occupancy. The Supplemental Restraint System Module (SRS) uses the information to enable or disable the passenger airbag.

## **CAPACITIVE OCCUPANT SENSOR COS > CAPACITIVE OCCUPANT SENSOR COS (7/378) [2018-2022] > DIAGNOSTIC INFORMATION**

The capacitive occupant sensor COS does not have a built-in diagnostic system. The Supplemental Restraint System Module (SRS) monitors the sensor, sets DTCs and stores readable parameters.

## **CAPACITIVE OCCUPANT SENSOR COS > CAPACITIVE OCCUPANT SENSOR COS (7/378) [2018-2022] > CONNECTION AND COMMUNICATION**

The capacitive occupant sensor COS is a LIN slave and communicates with the Supplemental Restraint System Module (SRS).

## **FOLDABLE HEADREST MOTOR > FOLDABLE HEADREST MOTOR (6/141 - 6/142) [2018-2022] > DESCRIPTION**

The foldable headrest motors handle the folding and unfolding of the headrests for the rear seats. The rear middle seat does not have this function.



## **POWER SEAT REAR RIGHT > POWER SEAT REAR RIGHT (PSRR) (4/244) [2018-2022] > DESCRIPTION**

The Power Seat Rear Right (PSRR) controls the seat adjustment functions for the rear right seat.

## **POWER SEAT REAR RIGHT > POWER SEAT REAR RIGHT (PSRR) (4/244) [2018-2022] > DIAGNOSTIC INFORMATION**

The Power Seat Rear Right (PSRR) has a built-in diagnostic system, which continuously monitors the input and output signals. Since it is connected on a private CAN network it cannot transmit any diagnostic information to VIDA.

## **POWER SEAT REAR RIGHT > POWER SEAT REAR RIGHT (PSRR) (4/244) [2018-2022] > CONNECTION AND COMMUNICATION**

The Power Seat Rear Right (PSRR) is a CAN domain slave to the touch display rear module TDRM on a private CAN network. The Power Seat Rear Right (PSRR) is also a LIN master.

## **SEAT BACKREST ADJUSTING MOTOR > SEAT BACKREST ADJUSTING MOTOR (6/16, 6/23, 6/88 - 6/89) [2018-2022] > DESCRIPTION**

The seat backrest adjusting motor controls the backrest of the seat. The motor can be equipped with a hall sensor which transmits the backrest angle position.

## **SEAT BACKREST ADJUSTING MOTOR > SEAT BACKREST ADJUSTING MOTOR (6/16, 6/23, 6/88 - 6/89) [2018-2022] > VARIANTS**

The seat backrest adjusting motor, passenger side, is equipped with a hall sensor if the passenger door has a memory switch personal settings. The motor always has a hall sensor on the driver side and in rear seat in Excellence models.

## **SEAT BACKREST ADJUSTING MOTOR > SEAT BACKREST ADJUSTING MOTOR (6/16, 6/23, 6/88 - 6/89) [2018-2022] > DIAGNOSTIC INFORMATION**

### **Front seat**

The front seat backrest adjusting motor does not have a built-in diagnostic system. The respective power seat module monitors the motor and sets DTCs.

### **Rear seat (Excellence models only)**

The rear seat backrest adjusting motor has no diagnostic information in VIDA.

## **SEAT BACKREST ADJUSTING MOTOR > SEAT BACKREST ADJUSTING MOTOR (6/16, 6/23, 6/88 - 6/89) [2018-2022] > CONNECTION AND COMMUNICATION**

The seat backrest adjusting motor is directly connected to the respective power seat module.

## **SEAT HEATING MODULE FRONT RIGHT SHMR > SEAT HEATING MODULE FRONT RIGHT SHMR (4/204) [2018-2022] > DESCRIPTION**

The seat heating module front right SHMR controls the heaters in the front right seat backrest and cushion, as well as the ventilation fans in the front right seat backrest and cushion. The control module also handles the communication with the Climate Control Module (CCM).

## **SEAT HEATING MODULE FRONT RIGHT SHMR > SEAT HEATING MODULE FRONT RIGHT SHMR (4/204) [2018-2022] > DIAGNOSTIC INFORMATION**

The seat heating module front right SHMR has a simplified built-in diagnostic system, which can monitor a limited amount of errors. All diagnostic data is sent to the diagnostic tool via the Climate Control Module (CCM). Diagnostic data can include error information, part numbers, calibration results, and parameters.

## **SEAT HEATING MODULE FRONT RIGHT SHMR > SEAT HEATING MODULE FRONT RIGHT SHMR (4/204) [2018-2022] > CONNECTION AND COMMUNICATION**

The seat heating module front right SHMR is a LIN slave and communicates with the Climate Control Module (CCM).

## **SEAT HEATING MODULE REAR LEFT SHRL > SEAT HEATING MODULE REAR LEFT SHRL (4/187) [2018-2022] > DESCRIPTION**

The seat heating module rear left SHRL controls the heaters in the rear left seat backrest and cushion. The control module also handles the communication with the Climate Control Module (CCM).

## **SEAT HEATING MODULE REAR LEFT SHRL > SEAT HEATING MODULE REAR LEFT SHRL (4/187) [2018-2022] > DIAGNOSTIC INFORMATION**

The seat heating module rear left SHRL has a simplified built-in diagnostic system, which can monitor a limited amount of errors. All diagnostic data is sent to the diagnostic tool via the Climate Control Module (CCM). Diagnostic data can include error information, part numbers, calibration results, and parameters.

## **SEAT HEATING MODULE REAR LEFT SHRL > SEAT HEATING MODULE REAR LEFT SHRL (4/187) [2018-2022] > CONNECTION AND COMMUNICATION**

The seat heating module rear left SHRL is a LIN slave and communicates with the Climate Control Module (CCM).

## **SEAT HEATING MODULE REAR RIGHT SHRR > SEAT HEATING MODULE REAR RIGHT SHRR (4/188) [2018-2022] > DESCRIPTION**