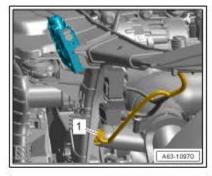






- Remove headlight housing ⇒ Electrical system; Rep. gr. 94; Headlights; Removing and installing headlights.
- Right-side: Remove air cleaner housing ⇒ Rep. gr. 23; Air cleaner; Removing and installing air cleaner housing or ⇒ Rep. gr. 24; Air cleaner; Removing and installing air cleaner housing .
- Audi S7/RS 7, left-side: Remove secondary air pump motor with bracket ⇒ Rep. gr. 26; Secondary air system; Removing and installing secondary air pump motor - V101- .
- Unplug electrical connector -1- and move clear.
- If fitted, unplug electrical connector for control unit for NOx sender - J583- .



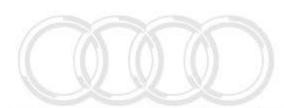
- Remove bolts -1, 3, 4-.
- Detach mounting -2-.

#### Installing

Install in reverse order of removal.

#### **Tightening torques**

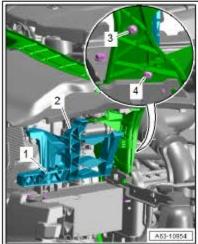
 ⇒ "1.1.2 Exploded view - lock carrier, vehicles from model year 2015 onwards", page 4



#### 1.2.6 Removing and installing retainer for bumper cover mounting

Special tools and workshop equipment required

- Drill
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## PICTURES ARE SAMPLES FROM DIFFERENT MANUALS, MAY NOT APPLY TO YOUR VEHICLE

Move aside the door harness sleeve (4); Using tool [1327].

Disconnect the connectors (at "a"),

Remove the front door (1); Using the door support,

#### 3. Adjustments

#### 3.1. Door hinges

N,B,: The lower door hinge is indexed on the door side, However, it is possible to remove the indexing "b" if additional adjustment is necessary; Using a pin drift.

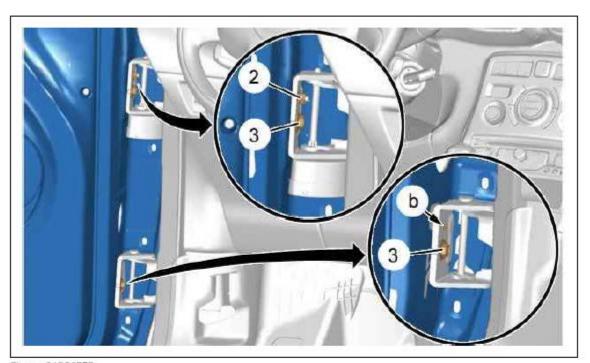


Figure: C4CG0P7D

Remove the hinges ,

CAUTION: Carry out the anticorrosion treatments in the indexing pins zone,

Refit the hinges (without tightening),

The front door clearances are adjusted on the fixed hinges retained by the bolts (3) and the nut (2),

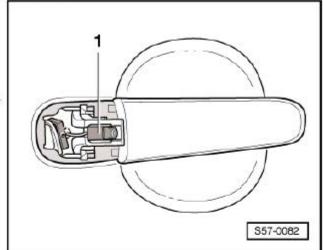
N,B,: The lower door hinge is indexed on the door side, However, it is possible to remove the indexing "c" if additional

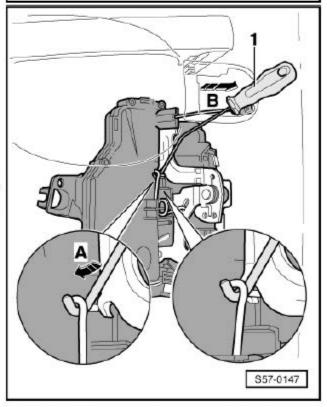
PIFFERENT MANUALS, MAY NOT

APPLY TO YOUR VEHICLE

#### Removing and installing the door handle Removing:

- Removing the lock cylinder housing → Chapter.
- Unclip clip -1- from the door handle.
- Swivel door handle out of the door.
   Installing:
- Swivel door handle into the door.





Hang assembly device -T10118- pos.

- -1- in the spring fixed -arrow A- to
the door lock and hang the spring in
the lock lever -arrow B-.

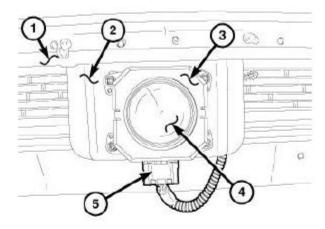
PICTURES SAMPLES FROM

DIFFERENT MANUALS, MAY NOT

APPLY TO YOUR VEHICLE

 Remove the three molded plastic ball socket clips (5) from the back side of the ACC sensor mounting bracket and discard. The clips are removed by rotating them counterclockwise.

#### SENSOR



2863582

#### Fig. 88: Sensor Bezel (Mirror Cover) & Front Bumper Support Bar Courtesy of CHRYSLER GROUP, LLC

- Disconnect and isolate the battery negative cable.
- Raise and support the vehicle.
- Unsnap and remove the plastic bezel from the opening in the center of the grille texture insert of the lower air intake opening in the front fascia.
- If equipped, unsnap and remove the sensor bezel (mirror cover) (3) from the face of the adaptive speed control (also known as Adaptive Cruise Control/ACC) sensor (4) located below the center of the front bumper support bar (1).
- Disconnect the Front End Module (FEM) wire harness connector (5) from the ACC sensor connector receptacle.
- Firmly grasp the ACC sensor housing and pull it sharply forward from the sensor mounting bracket (2) until the one fixed and the two adjustable ball studs of the sensor unsnap from the three molded plastic ball socket clips in the bracket.
- Remove the ACC sensor from the vehicle.

NOTE: The three molded plastic ball socket clips in the ACC sensor mounting bracket MUST be removed, discarded and replaced with new ball socket clips any time the sensor is removed from the bracket.

PICTURES ARE SAMPLES FROM

8. Remove the three molded plastic ball socket clips (5) from the back side of the ACC sensor mounting bracket and beschied the clips are removed by orating them counterclockwise

### MAPPLY TO YOUR VEHICLE

between the inflator bracket by the bracket bolts.

- Make sure that the side curtain airbag inflator retainer is installed properly. Otherwise the side curtain airbag could incorrectly deploy and cause damage or injuries.
- If there is any damage to the side curtain airbag, do not try to repair it. Replace any damaged side curtain airbag.
- · Do not install the headliner yet.
- 6. Battery Terminal Connect Refer to: <u>Battery Terminal Disconnection and Reconnection (2014 2015)</u>, <u>Battery Terminal Disconnection and Reconnection (2016)</u>
- 7. DTC Clear

Clear any DTCs with the HDS.

8. SRS Operation - Confirm

Turn the vehicle to the ON mode, and check that the SRS indicator comes on for about 6 seconds and then goes off.

- 9. Headliner/Pillar Trim Overlap Confirm
- 10.Headliner Install

#### SIDE IMPACT SENSOR (FIRST) REMOVAL AND INSTALLATION

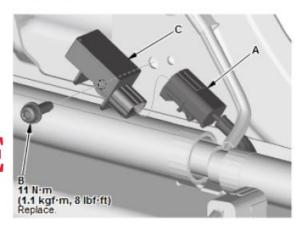
Removal & Installation

SRS components are located in this area. Review the <u>SRS component locations</u> and the <u>precautions and</u> procedures before doing repairs or service.

1. Battery Terminal - Disconnect - Refer to: <u>Battery Terminal Disconnection and Reconnection (2014 - 2015)</u>, Battery Terminal Disconnection and Reconnection (2016)

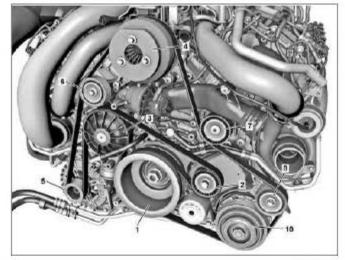
**NOTE:** Wait at least 3 minutes before starting work.

- 2. B-Pillar Lower Trim Remove Refer to: <u>Interior Trim Removal and Installation Door Areas(NA)</u>, <u>Interior Trim Removal and Installation Tailgate Areas(NA)</u>, <u>Interior Trim Removal and Installation Pillar Areas(NA)</u>, <u>Interior Trim Removal and Installation Rear Side Area(NA)</u>, <u>Interior Trim Removal and Installation Cargo Areas(NA)</u>
- 3. Side Impact Sensor (First) Remove





- Belt pulley/vibration damper
- Tensioner pulley
- Coolant pump belt pulley
- 4 Active Body Control (ABC) belt pulley
- Afternator belt pulley
- Guide pulley Guide nulley
- 8 Guide pulley
- 10 A/C compressor belt pulley

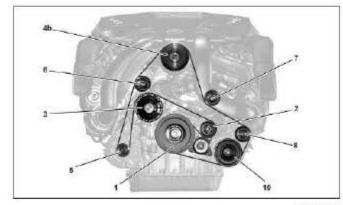


P13 22-2159-08

Fig. 4: Poly-V Belt Routing Diagram - Engine 157, 278 With Code 487 Courtesy of MERCEDES-BENZ USA

ENGINE 157, 278 without CODE 487 (Active Body Control (ABC))

- Belt pulley/vibration damper
- 2 Tensioner pulley 3 Coolant pump be Coolant pump belt pulley
- 4b Belt pulley for upper guide pulley/
- power steering pump 5 Alternator bell pulley
- 6 Guide pulley
- Guide pulley
- Guide pulley
- 10 A/C compressor belt pulley



P13.20-2089-05

Fig. 5: Poly-V Belt Routing Diagram - Engine 157, 278 Without Code 487 Courtesy of MERCEDES-BENZ USA

Engine 157, 278 with code ME05 (HYBRID DRIVE 80KW VARIANT (INCLUDING PLUG-IN)):

# PICTURES ARE SAMPLES FROM DIFFERENT MANUALS, MAY NOT APPLY TO YOUR VEHICLE

1.57 Compressor for multicontour front passenger seat -V440-



1.58 Driver seat backrest adjustment motor -V45-

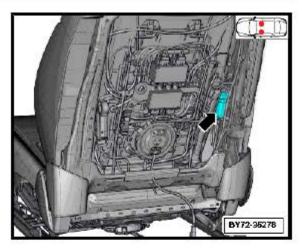
# BENTLEY

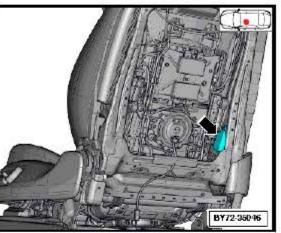
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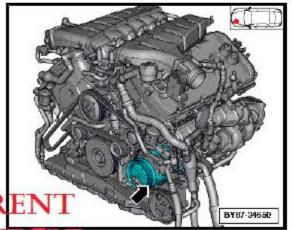
Copyright by Bentley Motors.

1.59 Air conditioner compressor -V454-

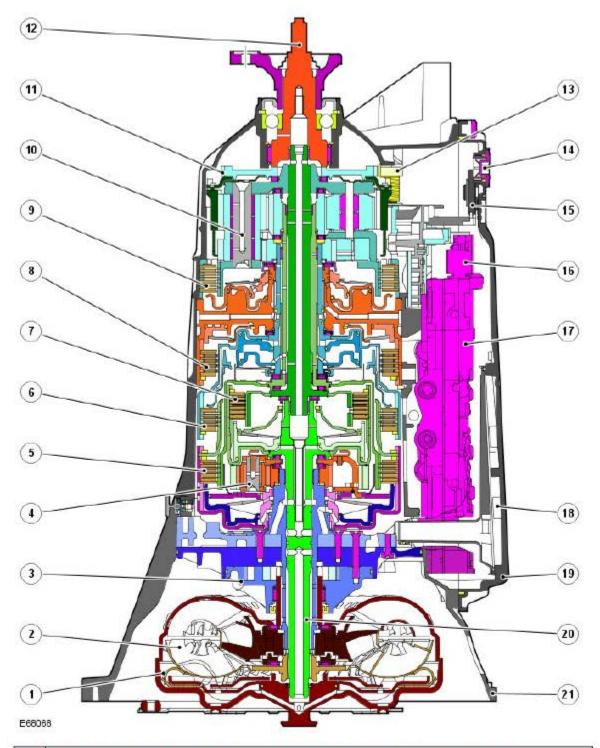








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# Torque-converter-lock-up-clutch Torque-converter-lock-up-clutch

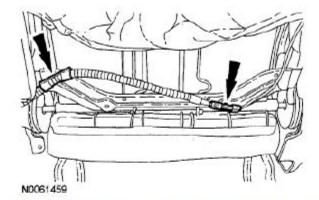


Fig. 106: Locating Side Air Bag Module Wiring Harness Retainers From Seat Backrest Frame Courtesy of MAZDA MOTORS CORP.

13. Through the back of the seat backrest, position out the seat backrest foam pad. Then remove the 2 side air bag module nuts and remove the side air bag module.

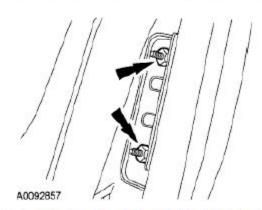


Fig. 107: Locating Side Air Bag Module Nuts Courtesy of MAZDA MOTORS CORP.

#### INSTALLATION

WARNING:

 Inspect the seat side air bag module and mounting surfaces for any damage or foreign material before installing the seat side air bag module. If any damage is found, install new components. If any foreign material is found, remove it. Failure to follow these

PICTURES instructions may result in the seat side of bag module deploying incorrectly and increase the risk of serious personal injury or death

APPARNING: TO Before installing the seat side air bag module/deployment chute assembly:

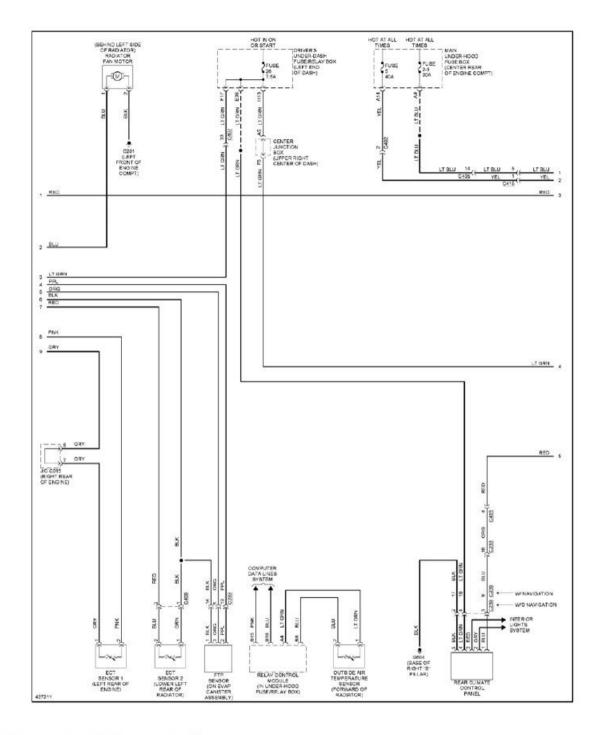
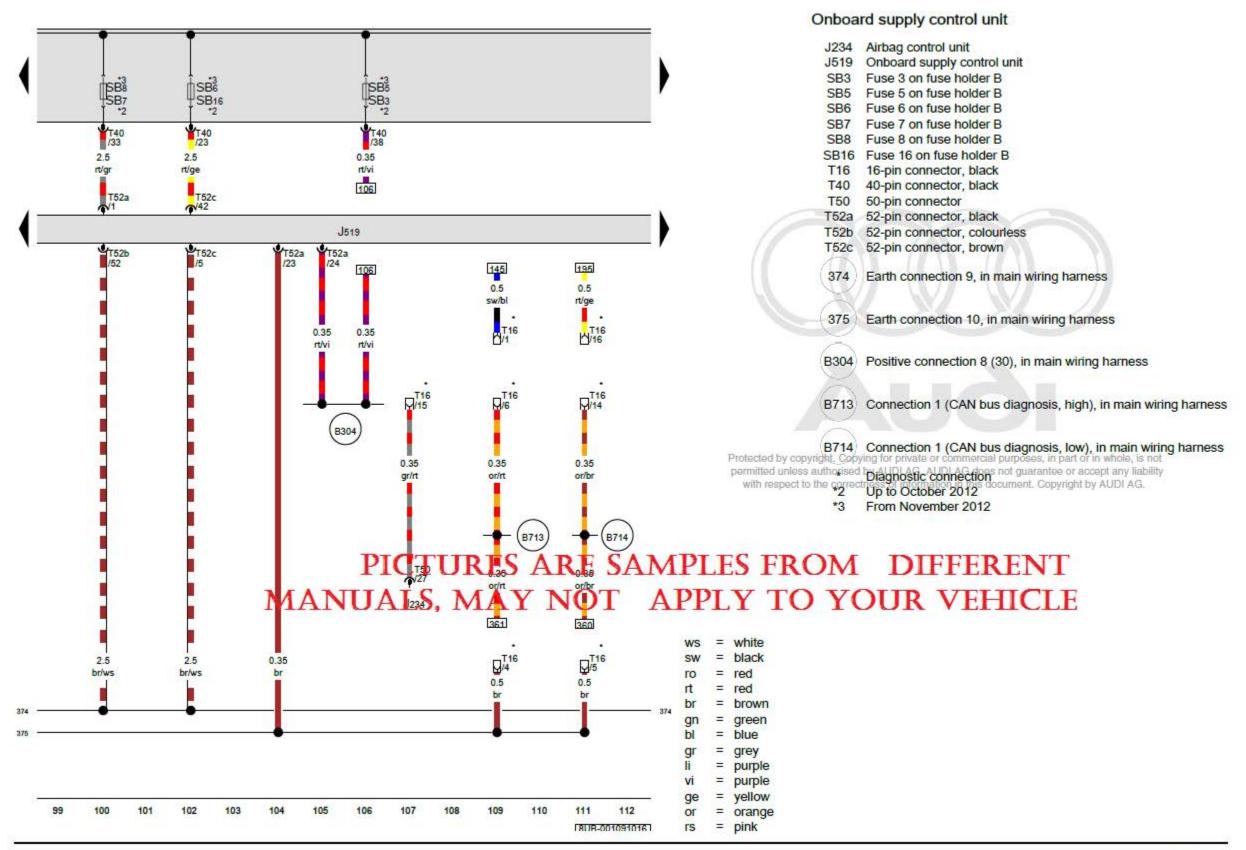
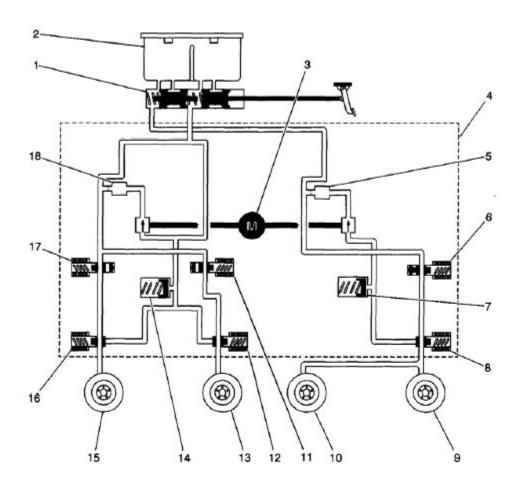


Fig. 4: Automatic A/C Circuit (4 of 5)







- (1) Master Cylinder
- (2) Master Cylinder Reservoir
- (3) Pump
- (4) Brake Pressure Modulator Valve (BPMV)
- (5) Damper
- (6) Rear Isolation Valve
- (7) Accumulator
- (8) Rear Dump Valve
- (9) Right Rear Brake

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- (10) Left Rear Brake
- (11) Left Front Isolation Valve
- (12) Left Front Dump Valve
- (13) Left Front Brake
- (14) Accumulator
- (15) Right Front Brake
- (16) Right Front Dump Valve
- (17) Right Front Isolation Valve
- (18) Damper

Fig. 44: BPMV Hydraulic Flow Diagram
Courie of GINERAL-MOTORS CORPS AMPLES FROM

This entire is equipped with the Kessey-Mayes FBCB2 Autilosk britising Astern.

The vehicles equipped with the Iolia with the Reason entire graterian systems.