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1987 JEEP Wagoneer OEM Service and Repair Workshop Manual

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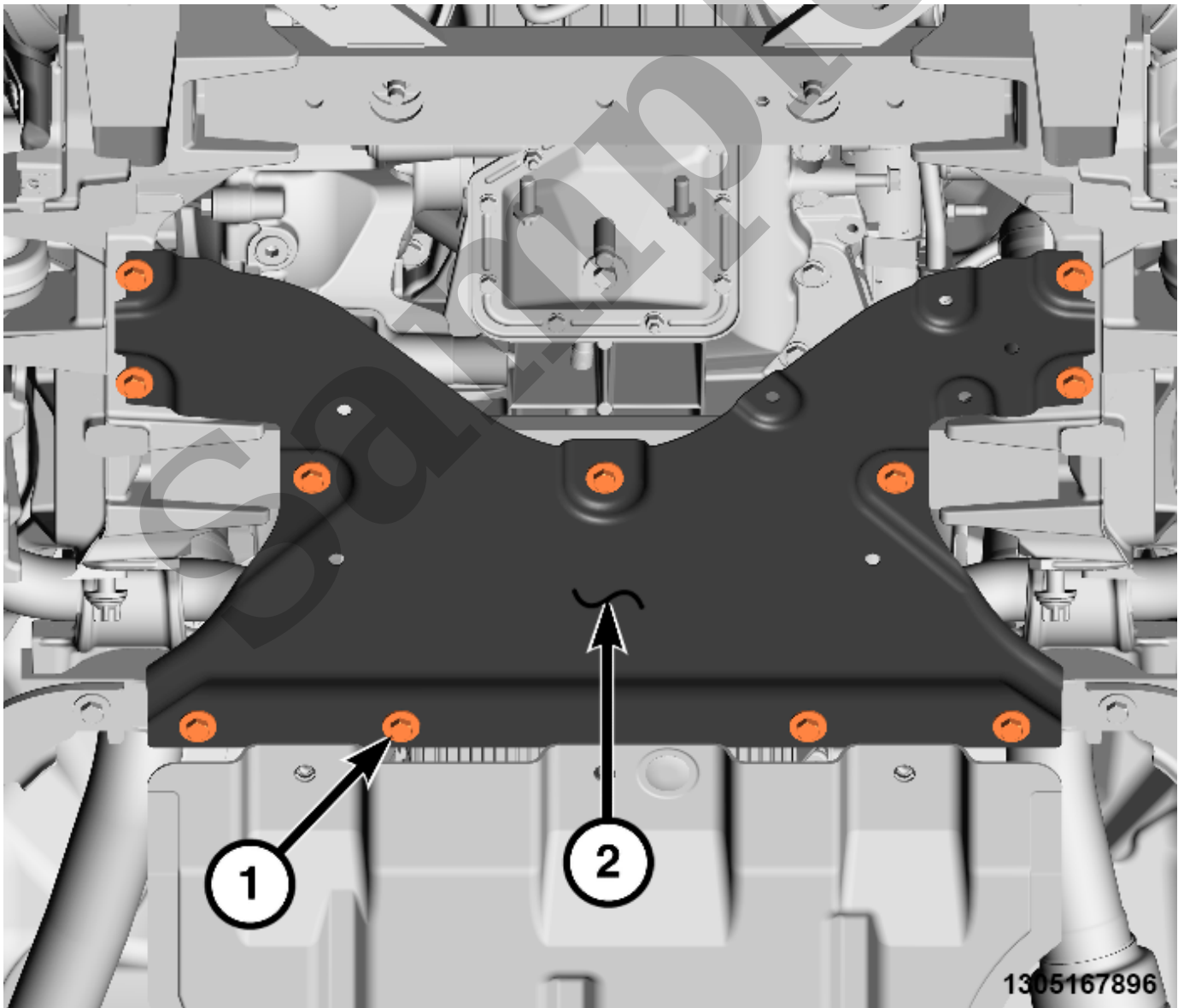
YOUR CURRENT VEHICLE

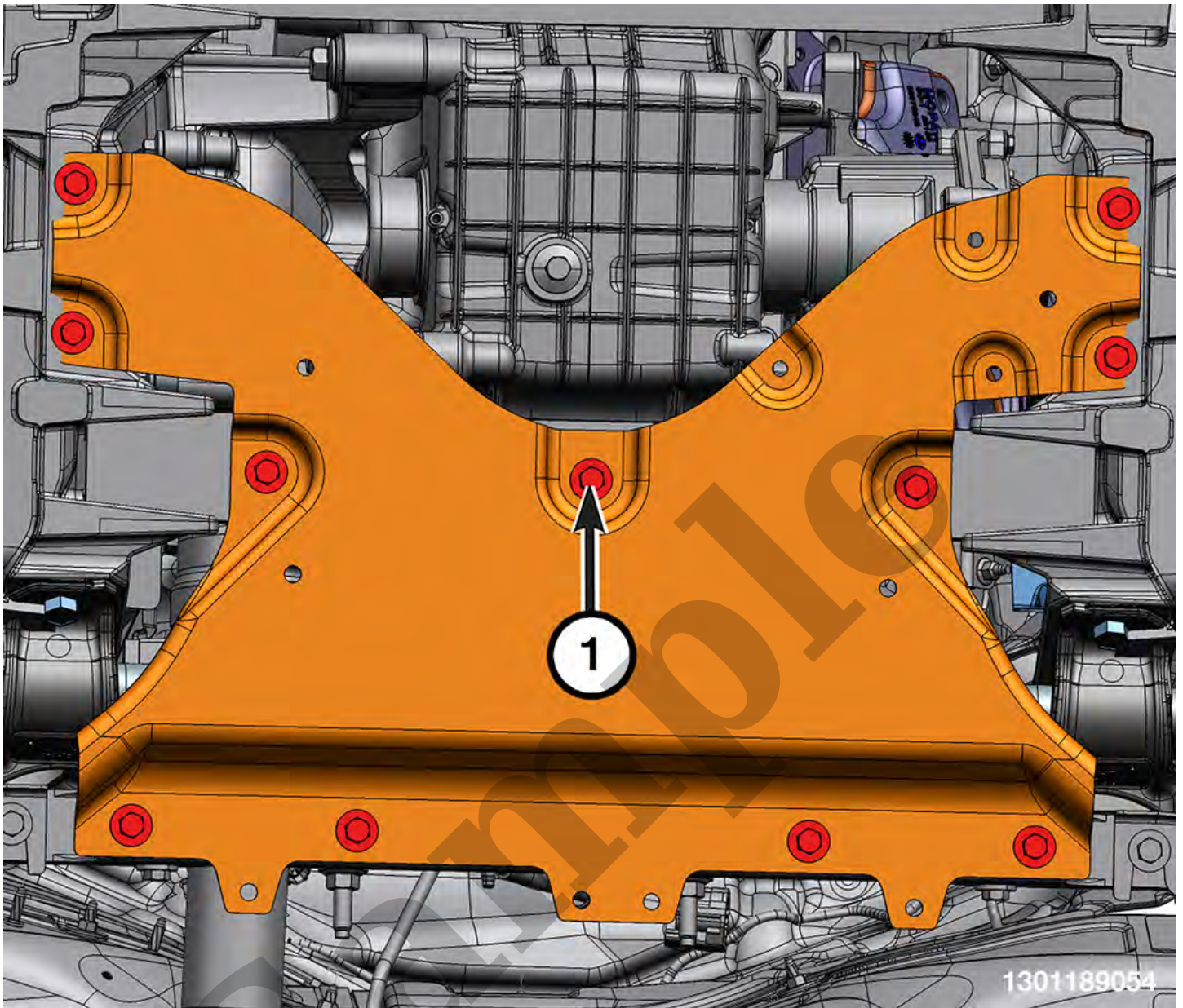
Stiffening Plate

STIFFENING PLATE

REMOVAL

1. Raise and support the vehicle ([Refer to Vehicle Quick Reference/Hoisting/Standard Procedure](#)).





CALLOUT	DESCRIPTION	SPECIFICATION	COMMENT
1	Stiffening Plate bolts	20 N·m (15 Ft. Lbs.)	-

DESCRIPTION	SPECIFICATION	COMMENT
Front Seat Belt Height Adjuster Bolts	55 N·m (41 Ft. Lbs.)	-
Front Seat Belt Buckle Bolt	54 N·m (40 Ft. Lbs.)	-
Front Seat Belt Tensioner Bolt	55 N·m (41 Ft. Lbs.)	-
Front Seat Belt Tensioner Bracket Bolts	48 N·m (35 Ft. Lbs.)	-
Front Seat Belt Retractor Bolt	55 N·m (41 Ft. Lbs.)	-
Front Seat Belt Turning Loop Nut	47 N·m (35 Ft. Lbs.)	-
Second Row Bucket Seat Belt Buckle Bolt	45 N·m (33 Ft. Lbs.)	-
Second Row Center Seat Belt Buckle Bolt	45 N·m (33 Ft. Lbs.)	-
Second Row Center Seat Belt Anchor Bolt	55 N·m (41 Ft. Lbs.)	-
Second Row Center Seat Belt Retractor Bolt	47 N·m (35 Ft. Lbs.)	-
Second Row Left Seat Belt Buckle Bolt	45 N·m (33 Ft. Lbs.)	-
Second Row Outboard Seat Belt Anchor Bolt	55 N·m (41 Ft. Lbs.)	-
Second Row Outboard Seat Belt Retractor Bolt	55 N·m (41 Ft. Lbs.)	-
Second Row Right Seat Belt Buckle Bolt	45 N·m (33 Ft. Lbs.)	-
Second Row Seat Belt Turning Loop Bolt - Long Wheelbase	48 N·m (35 Ft. Lbs.)	-
Second Row Seat Belt Turning Loop Bolt - Short Wheelbase	50 N·m (37 Ft. Lbs.)	-
Third Row Seat Belt Retractor Bolt	55 N·m (41 Ft. Lbs.)	-
Third Row Seat Belt Anchor Bolt .437-20X35.00	55 N·m (41 Ft. Lbs.)	-
Third Row Seat Belt Anchor Bolt .437-20X40.00	48 N·m (35 Ft. Lbs.)	-
Third Row Seat Belt Buckle Assembly Bolt	45 N·m (33 Ft. Lbs.)	-

3. Using the

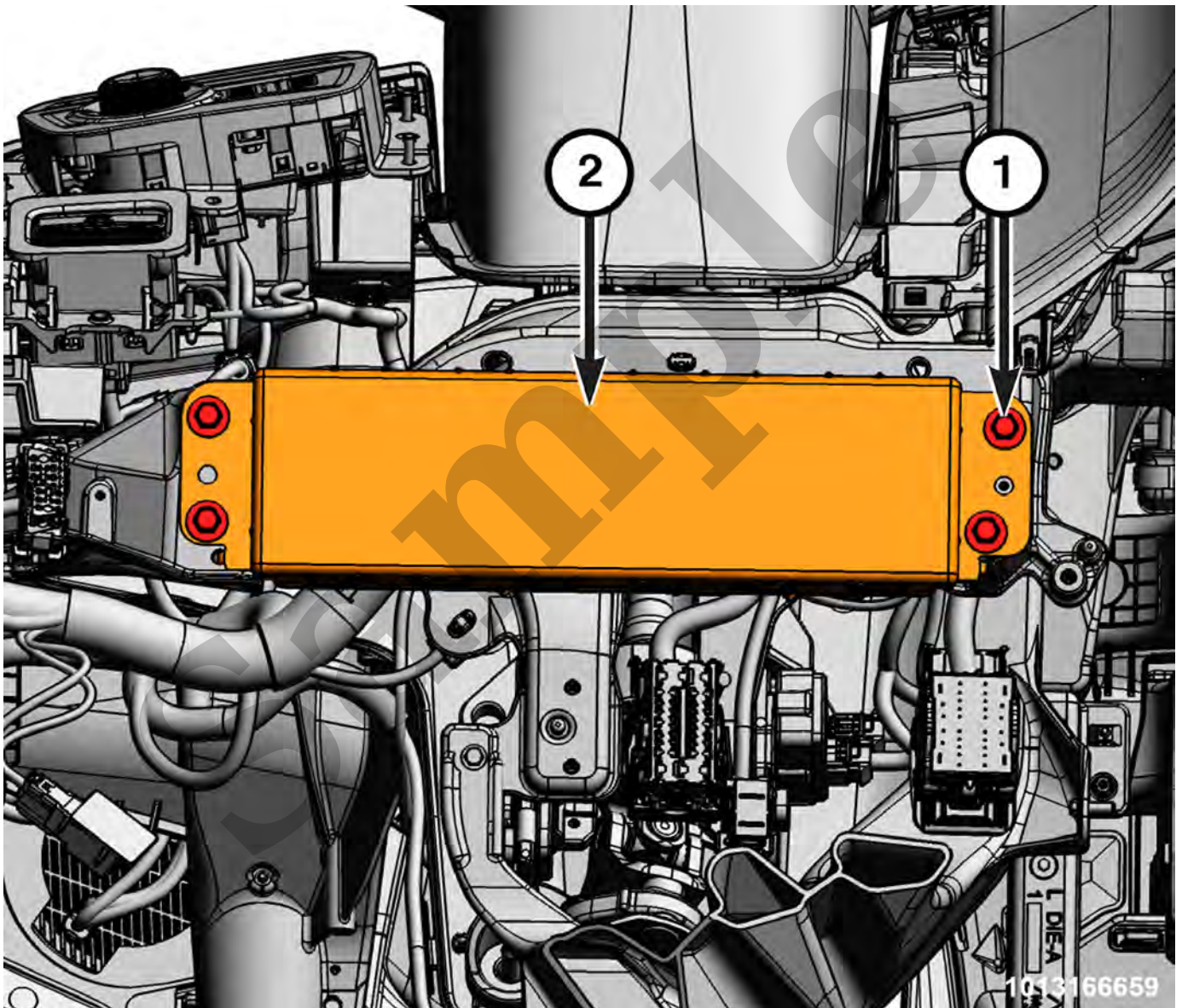
Remover, Driver Air Bag



- , pierce the trim cover at the dimple and insert it through one of the steering wheel access holes. A guide and notch integral to each side of the steering wheel hub rear trim cover and the mounting/horn switch plate will assist in directing the tool to the ends of the retainer spring.
4. When the tool makes contact with the retainer spring, push inward (toward the steering column) on the tool far enough to disengage the retainer spring from under the hook of the steering wheel armature.
 5. Pull the released side of the DAB away from the steering wheel far enough to insert a trim stick or another long and thin obstacle between the released spoke of the DAB trim cover and the steering wheel spoke hub cavity. This will help to prevent the released end of the retainer spring from becoming accidentally engaged again while the opposite end of the retainer spring is being released.
 6. Repeat Steps 3 and 4 for the opposite end of the retainer spring.

Deployed Supplemental Restraints ([Refer to Restraints - Standard Procedure](#)). If the driver knee air bag has been deployed, review the recommended procedures for Service After A Supplemental Restraint Deployment before removing the airbag from the vehicle ([Refer to Restraints - Standard Procedure](#)).

1. Disconnect and isolate the negative battery cable(s) ([Refer to Electrical/Battery System/Standard Procedure](#)). Wait two minutes for the system capacitor to discharge before continuing service.
2. Remove the steering column opening cover ([Refer to 23 - Body/Instrument Panel/COVER, Steering Column Opening/Removal and Installation](#)).



1 - Driver Knee Blocker Air Bag Screws

2 - Driver Knee Blocker Air Bag

airbag deployment. Failure to observe this warning could result in occupant injuries upon airbag deployment.

NOTE

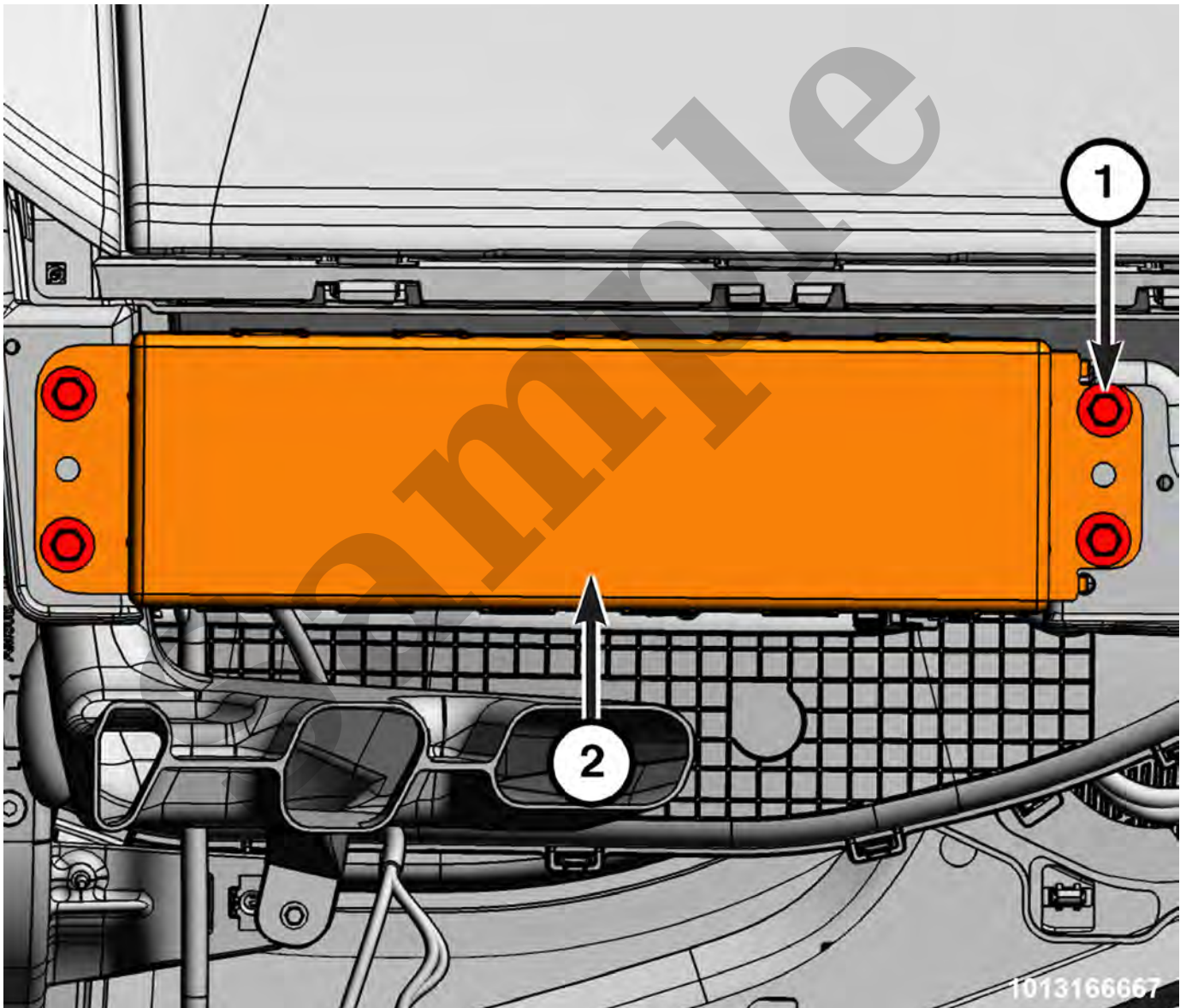
The following procedure is for replacement of an ineffective or damaged Passenger Air Bag (PAB). If the air bag is ineffective or damaged, but not deployed, review the recommended procedures for Handling Non-Deployed Supplemental Restraints ([Refer to Restraints - Standard Procedure](#)). If the PAB has been deployed, review the recommended procedures for Service After A Supplemental Restraint Deployment before removing the air bag from the vehicle ([Refer to Restraints - Standard Procedure](#)).

REMOVAL

1. Disconnect and isolate the negative battery cable(s) ([Refer to Electrical/Battery System/Standard Procedure](#)). Wait 2 minutes for the system capacitor to discharge before continuing service.
2. Remove the instrument panel pad ([Refer to Body/Instrument Panel/PAD, Instrument Panel/Removal and Installation](#)).
3. Place the instrument panel cover on a suitable work surface with the top facing down. If the cover will be reused, be certain to take the proper precautions to prevent the cover from receiving cosmetic damage during the following procedures.

Non-Deployed Supplemental Restraints ([Refer to Restraints - Standard Procedure](#)). If the passenger blocker knee air bag has been deployed, review the recommended procedures for Service After A Supplemental Restraint Deployment before removing the airbag from the vehicle ([Refer to Restraints - Standard Procedure](#)).

1. Disconnect and isolate the negative battery cable(s) ([Refer to Electrical/Battery System/Standard Procedure](#)). Wait two minutes for the system capacitor to discharge before continuing service.
2. Remove the right silencer panel ([Refer to Body/Instrument Panel/PANEL, Silencer/Removal and Installation](#)).



1 - Passenger Knee Blocker Air Bag Screws

2 - Passenger Knee Blocker Air Bag

2. Remove the appropriate front seat back cover as necessary ([Refer to Body/Seats/COVER, Seat Back/Removal and Installation](#))([Refer To List 1](#)).

NOTE

It is not necessary to completely remove the seat back cover from the seat frame, only far enough to remove the SAB from the seat frame.

CAUTION

Do not pull on the seat airbag jumper wire harness take out or pry on the connector insulator to disengage the connector from the seat airbag inflator connector receptacle. Improper removal of this take out and its connector insulator can result in damage to the airbag circuits or the connector insulator.

Sample

- Do not connect the negative battery cable at this time. The Supplemental Restraint System (SRS) Verification Test procedure should be performed following service of any SRS component ([Refer to Restraints - Standard Procedure](#)).

TORQUE SPECIFICATIONS - AIR BAGS

DESCRIPTION	SPECIFICATION	COMMENT
Driver Knee Blocker Air Bag Screws	15 N·m (11 Ft. Lbs.)	-
Passenger Air Bag Screws	8 N·m (71 In. Lbs.)	-
Passenger Knee Blocker Air Bag Screws	15 N·m (11 Ft. Lbs.)	-
Seat Air Bag Nuts	6 N·m (53 In. Lbs.)	-
Side Curtain Air Bag Screws	9 N·m (80 In. Lbs.)	-

Refer To List:

List 1

- [23 - Body / Seats, Front / COVER, Seat Back, Front / Removal and Installation](#)
- [23 - Body / Seats, Second Row / COVER, Seat Back, Second Row / Removal and Installation](#)
- [23 - Body / Seats, Third Row / COVER, Seat Back, Third Row / Removal and Installation](#)