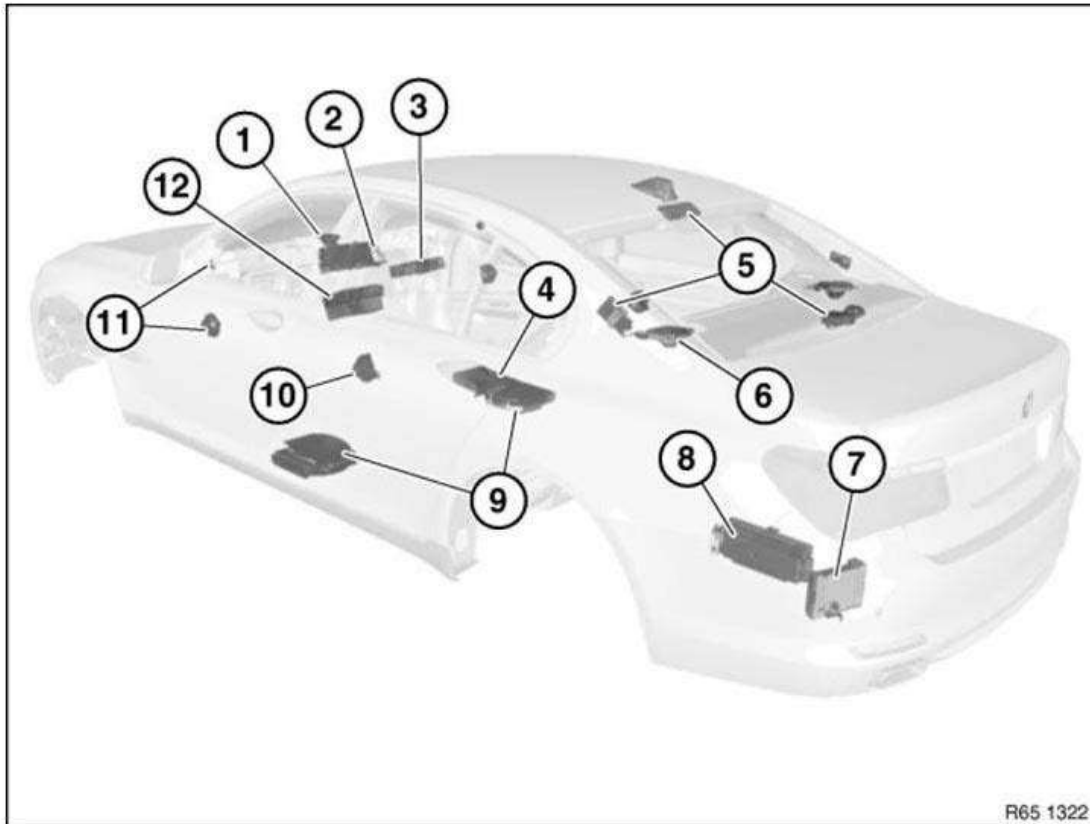


ACCESSORIES AND BODY, CAB

Audio, Navigation and Anti-Theft - Repair

6510 RADIO

65 00.. OVERVIEW OF AUDIO COMPONENTS

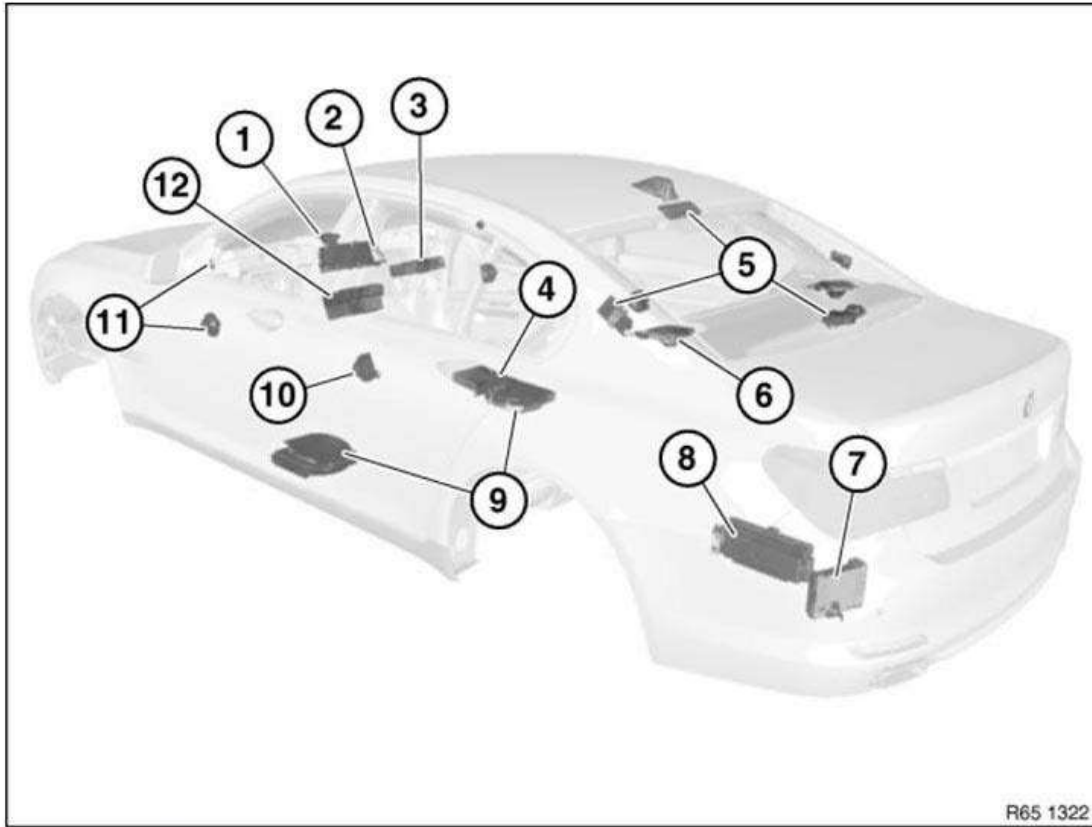


- | | |
|---|---|
| 1 Speaker (in dashboard) | 7 Satellite tuner |
| 2 Central Information Display (CID) | 8 Amplifier |
| 3 DVD changer | 9 Central bass speaker |
| 4 DVD player, rear console | 10 Speaker (door, rear) |
| 5 Aerial diversity | 11 Speaker (door, front) |
| 6 Speaker (in storage shelf) | 12 Car Information Computer (CIC) |

Fig. 1: Overview Of Audio Components (1 Of 2)
Courtesy of BMW OF NORTH AMERICA, INC.

6511 MONO RADIO

65 00.. OVERVIEW OF AUDIO COMPONENTS



R65 1322

- | | |
|---|---|
| 1 Speaker (in dashboard) | 7 Satellite tuner |
| 2 Central Information Display (CID) | 8 Amplifier |
| 3 DVD changer | 9 Central bass speaker |
| 4 DVD player, rear console | 10 Speaker (door, rear) |
| 5 Aerial diversity | 11 Speaker (door, front) |
| 6 Speaker (in storage shelf) | 12 Car Information Computer (CIC) |

Fig. 8: Overview Of Audio Components

Courtesy of BMW OF NORTH AMERICA, INC.

65 12 072 REMOVING AND INSTALLING (REPLACING) AMPLIFIER (TOP HIFI SYSTEM)

IMPORTANT: Read and comply with **NOTES** on protection against electrostatic discharge (ESD protection).

NOTE: Comply with notes and instructions on **HANDLING OPTICAL FIBRES** .

Necessary preliminary work

- Clamp off **NEGATIVE BATTERY CABLE** .
- Remove **LUGGAGE COMPARTMENT WHEEL ARCH PANEL ON LEFT** .

Release screw (1).

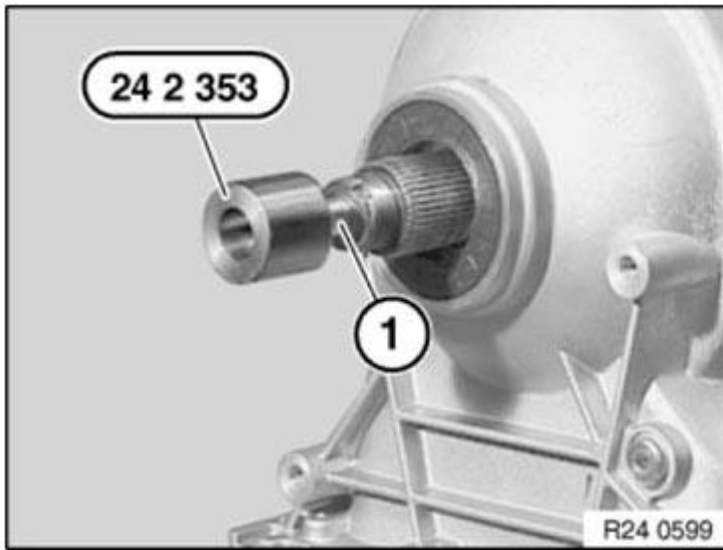


Fig. 39: Connecting Special Tool 24 2 353 To Output Shaft
 Courtesy of BMW OF NORTH AMERICA, INC.

Screw in special tool 24 2 351 until it is firmly connected with radial shaft seal.

Pull out radial shaft seal by screwing in special tool 24 2 352.

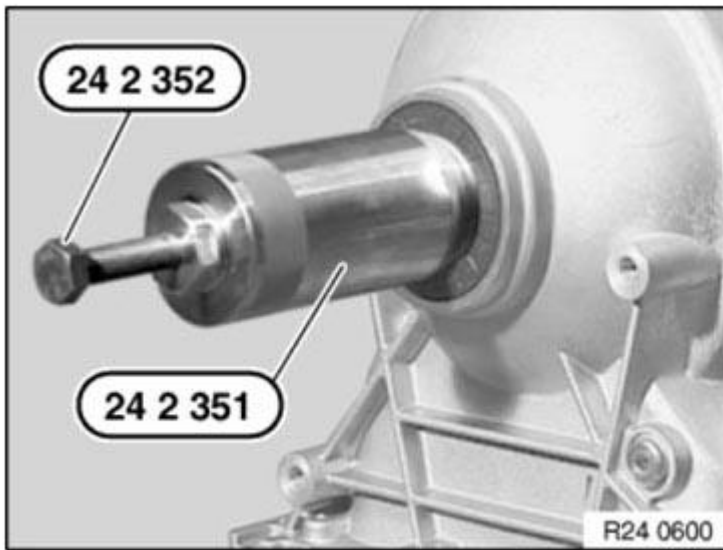


Fig. 40: Pulling Out Radial Shaft Seal Using Special Tool 24d 2 352
 Courtesy of BMW OF NORTH AMERICA, INC.

Oil sealing lip of radial shaft seal (1). Drive in radial shaft seal (1) as far as it will go using special tool 24 2 370 and adapter ring 24 2 410.

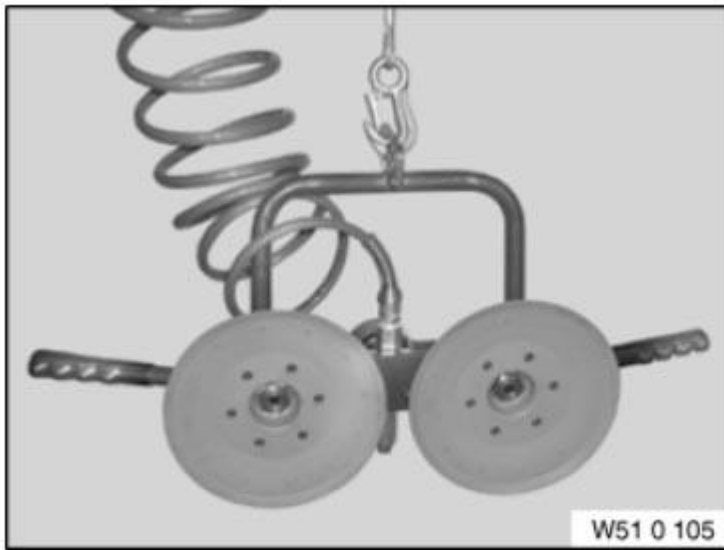


Fig. 9: Identifying Side Window Locating Fixture (51 0 105)
Courtesy of BMW OF NORTH AMERICA, INC.

513010 SIPHON

0492609 513010 Siphon MW

Note: (Siphon (2 pieces)) For removal and installation of the window glass. Is replaced by 81 64 2 184 377, see Service Information (bulletin) 08 01 10 (635).

SI number

01 05 86 (604)

Consisting of:

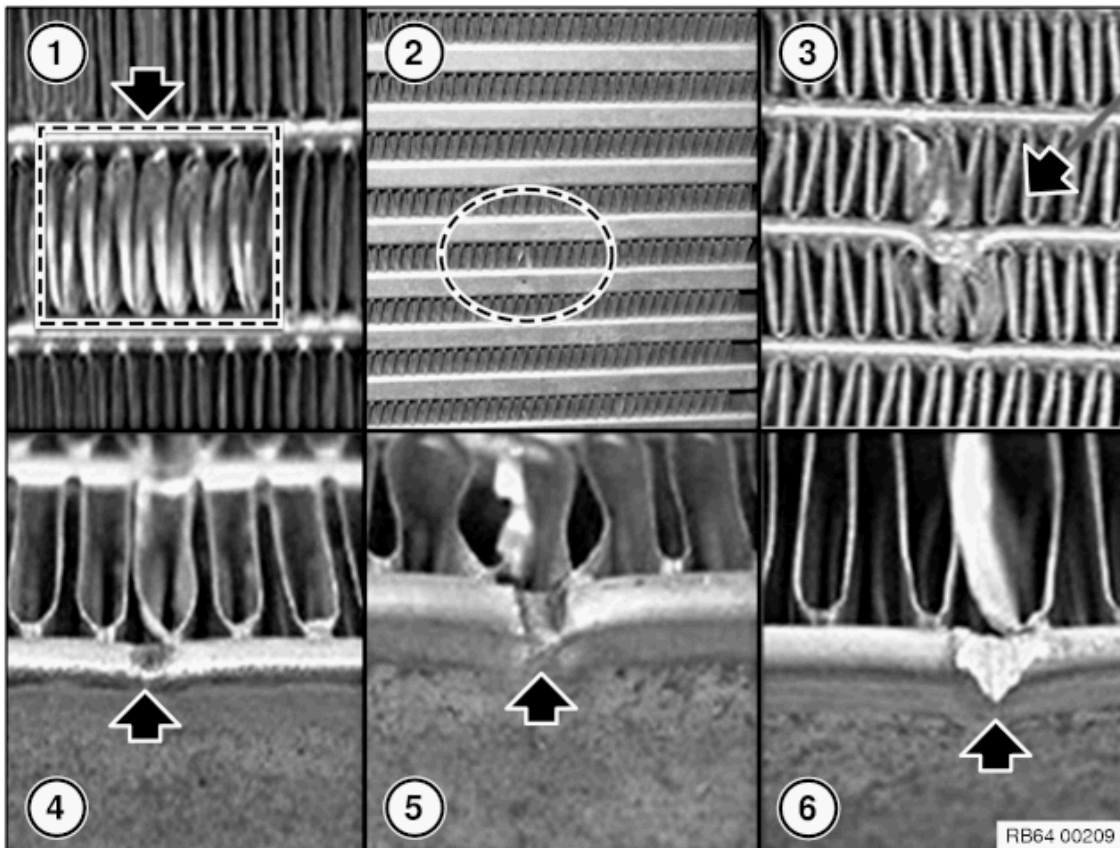


Fig. 32: Identifying Damage And Deformations
 Courtesy of BMW OF NORTH AMERICA, INC.

1711 ENGINE RADIATOR WITH ATTACHMENT

64 53...INSTRUCTIONS FOR REPLACEMENT OF AIR CONDITIONING CAPACITORS AND RADIATOR/COOLERS

See INSTRUCTIONS FOR REPLACEMENT OF AIR CONDITIONING CAPACITORS AND RADIATOR/COOLERS.

1711000 REMOVING AND INSTALLING RADIATOR (N63, N74)

WARNING: Risk of scalding!

Only perform this repair work after engine has cooled down.

IMPORTANT: Wear safety goggles and protective gloves.

Necessary preliminary tasks

- Remove FAN COWL .
 Drain COOLANT

Feed reversing camera (1) out of camera holder (3).

Replacement:

Remove protective film from lens of reversing camera (1).

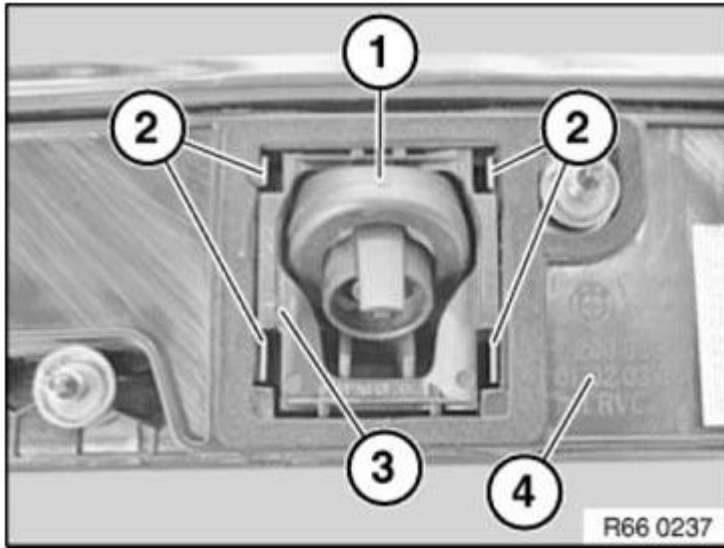


Fig. 42: Identifying Latch Mechanisms And Lever Reversing Camera Holder Out Of Centre Tailgate Trim Strip

Courtesy of BMW OF NORTH AMERICA, INC.

After installation

- Calibrate **REVERSING CAMERA**

Replacement

Carry out **VEHICLE PROGRAMMING/ENCODING**

66 53 050 REMOVING AND INSTALLING/RENEWING THE TOP VIEW CAMERA

Necessary preliminary work

- Remove **RETAINING RING ON EXTERIOR MIRROR**

Unfasten plug connection (1) and disconnect.

Unfasten screws (2).

Remove exterior mirror camera (3).

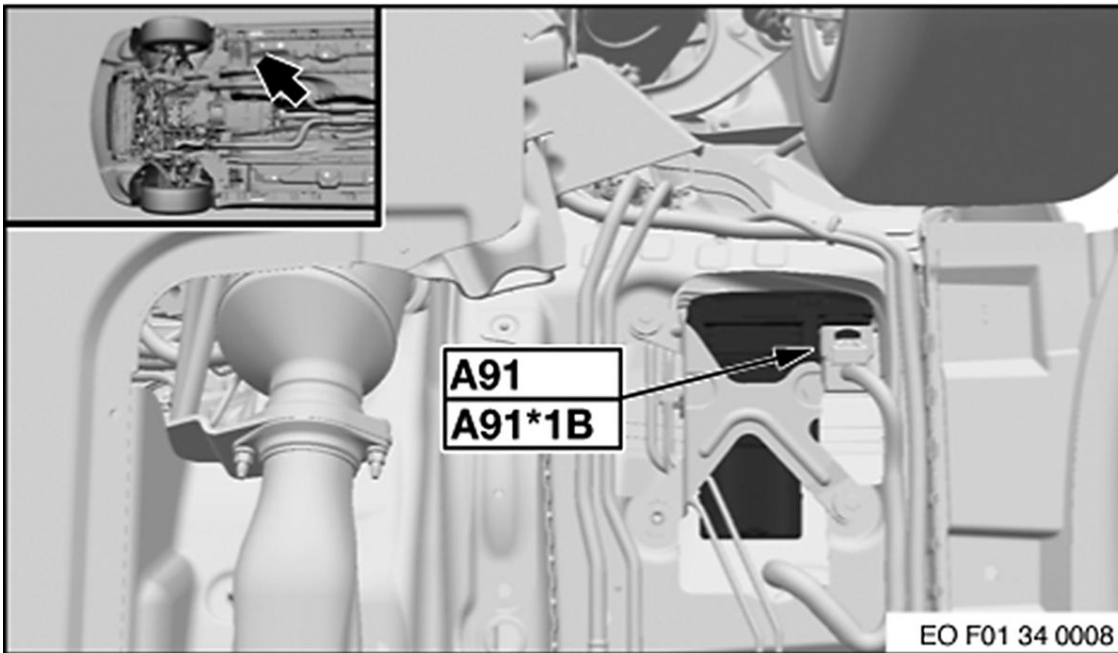


Fig. 64: Under Left Front Of Vehicle
Courtesy of BMW OF NORTH AMERICA, INC.

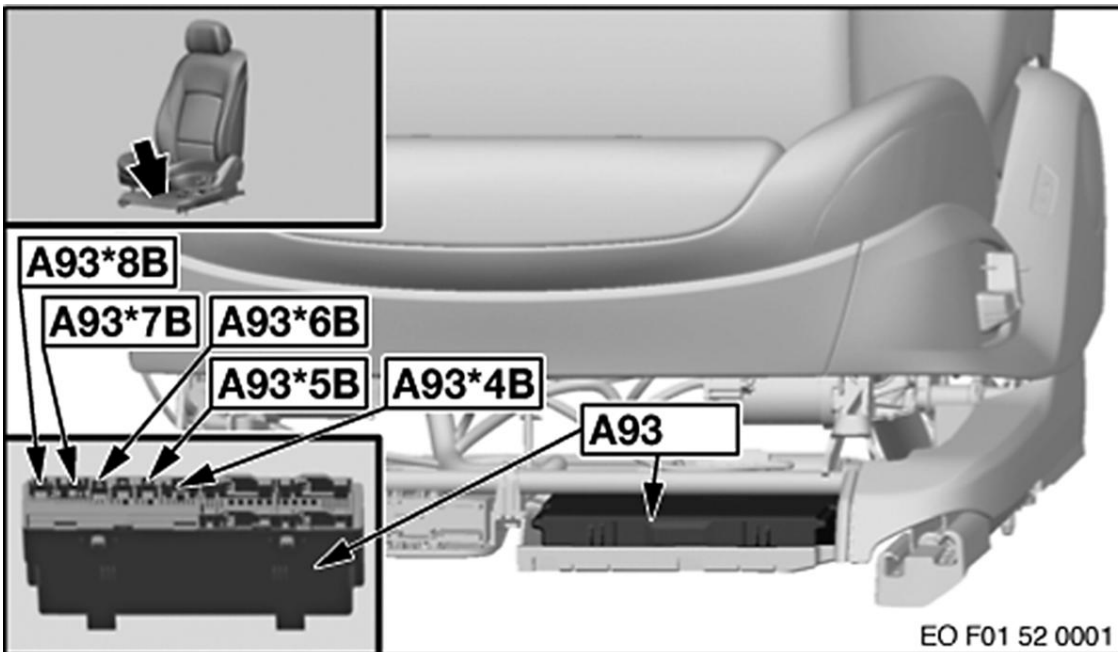


Fig. 65: Driver's Seat
Courtesy of BMW OF NORTH AMERICA, INC.

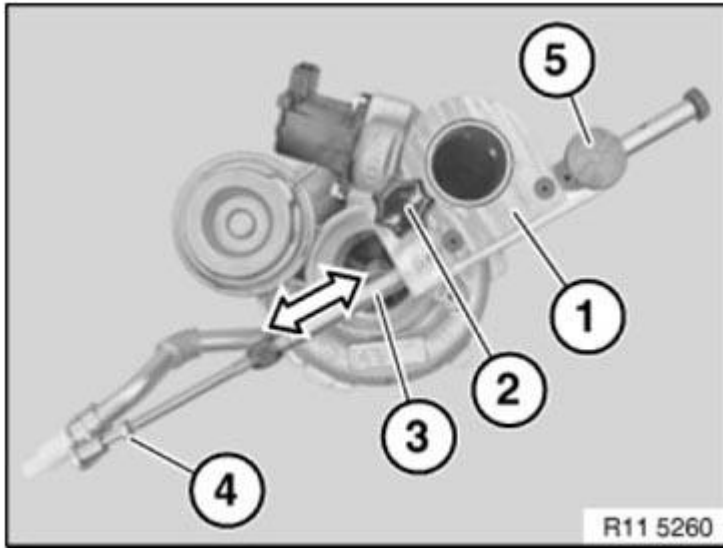


Fig. 487: Sliding Screw Shaft Up To Mounting Bolt
Courtesy of BMW OF NORTH AMERICA, INC.

Release knurled screw (5).

Screw oil return pipe to screw shaft (3).

Tightening torque **11 42 10AZ** .

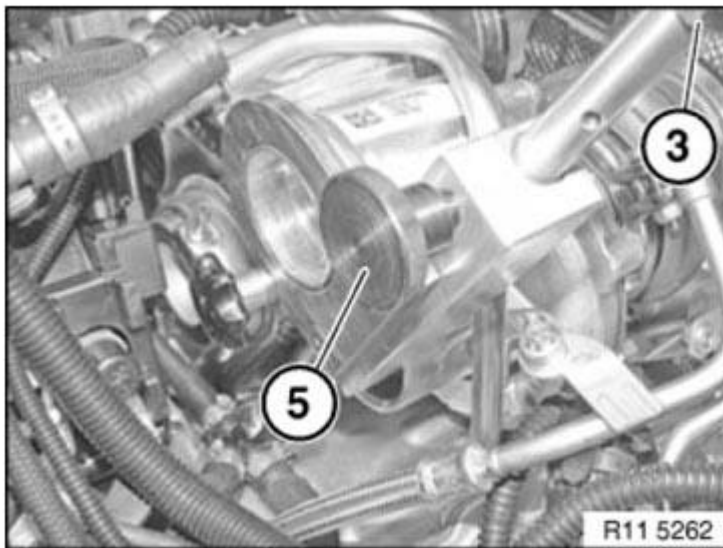


Fig. 488: Identifying Knurled Screw And Screw Shaft
Courtesy of BMW OF NORTH AMERICA, INC.

IMPORTANT: The O - rings can easily fall into the oil duct.

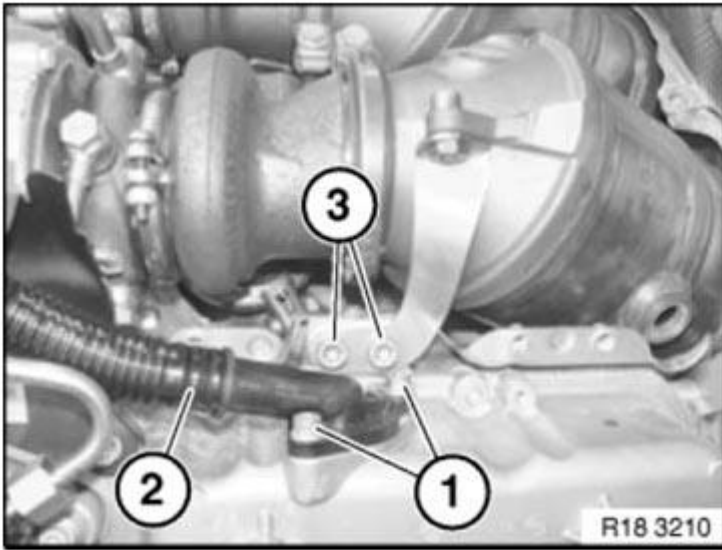


Fig. 34: Identifying Hose Of Cylinder Head Cover And Screws On Holder
Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Picture shows the engine removed.

Release screws (1) on catalytic converter, cylinders 5 - 8, rear, at cylinder head.

Tightening torque **18 32 3AZ** .

Remove catalytic converter for cylinders 5-8.

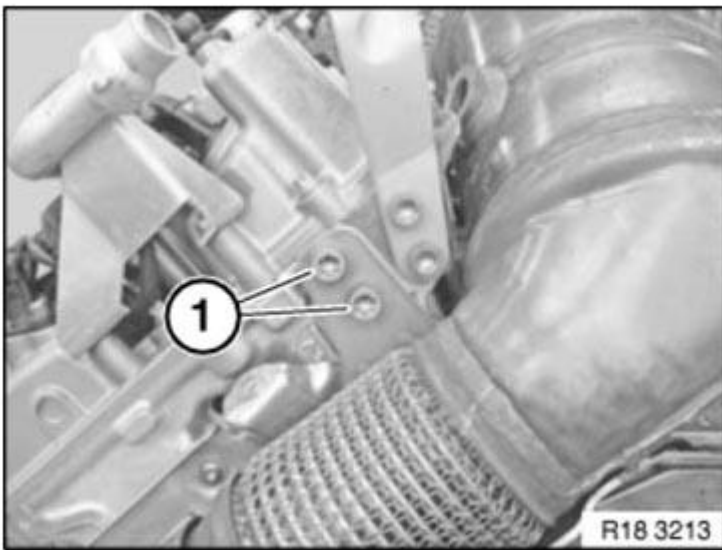


Fig. 35: Identifying Screws On Catalytic Converter
Courtesy of BMW OF NORTH AMERICA, INC.

Engine electrical system must be readjusted.

The service module "Adjustment actuator Lane Departure Warning" can be found at:

- Body
- Camera-based driver support systems
- Adjustment actuator Lane Departure Warning

61 31 014 REMOVING AND INSTALLING/REPLACING START/STOP SWITCH

Necessary preliminary work

- Remove **DECORATIVE STRIP ON DASHBOARD IN MIDDLE**

Release screws (1) and remove Start/Stop switch (2).

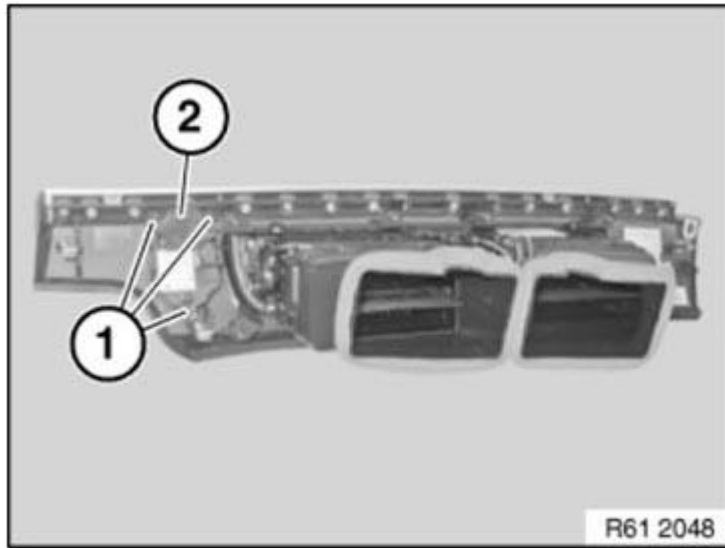


Fig. 224: Identifying Start/Stop Switch With Screws

Courtesy of BMW OF NORTH AMERICA, INC.

61 31 134 REMOVING AND INSTALLING/REPLACING USB AUDIO INTERFACE CONNECTING SOCKET

Necessary preliminary work

- Remove **CENTRE ARMREST STORAGE COMPARTMENT**

Disconnect plug connection (1).

Installation note:

2009 BMW 750Li

SUSPENSION Rear Axle - Tightening Torques

2AZ	Swinging arm to rear axle support, rear	F01/F02/F04/F07/F10/F11/F12/F13/F18	M14	DOWN IN NORMAL POSITION .	175 Nm
		F03	M18	Replace nut. TIGHTEN DOWN IN NORMAL POSITION . .	
				Jointing torque	100 Nm
				Angle of rotation	180 °
3AZ	Swinging arm to wheel carrier, rear	F01/F02/F04/F07/F10/F11/F12/F13/F18	M16	DOWN IN NORMAL POSITION .	265 Nm
		F03	M18	Replace nut. TIGHTEN DOWN IN NORMAL POSITION .	
				Jointing torque	360 Nm
				Angle of rotation	180 °
4AZ	Swinging arm/integral link	F01/F02/F04/F07/F10/F11/F12/F13/F18	M14	Replace screw and nut. Jointing torque	165 Nm
		F03	M16	Angle of rotation	45 °
5AZ	Integral link to wheel carrier	F01/F02/F04/F07/F10/F11/F12/F13/F18	M12		108 Nm
		F03	M16		250 Nm
6AZ	Toe arm to bearing support/to Integral Active Steering	F01/F02/F04/F07/F10/F11/F12/F13/F18	M12	Replace screw and nut. TIGHTEN DOWN IN NORMAL POSITION .	100 Nm
		F03	M14	Jointing torque Angle of rotation	90 °
				Replace screw and nut. TIGHTEN DOWN IN NORMAL POSITION .	
				Jointing torque	125 Nm

ACCESSORIES AND BODY, CAB

Seats - Special Tools

52 SEATS

520000 ADAPTER CABLE

0496537 520000 Adapter cable MW

Note: (Adapter cable OC3) OC3 mat in conjunction with ISTA --> action only USA and Canada



Fig. 1: Identifying Adapter Cable (520000)
Courtesy of BMW OF NORTH AMERICA, INC.

520070 HOOK

0494627 520070 Minimum set: Mechanical tools Hook MW

Note: (Release hook) For removing the head restraint guides

Storage Location

B47

A47

SI number

01 08 03 (988)

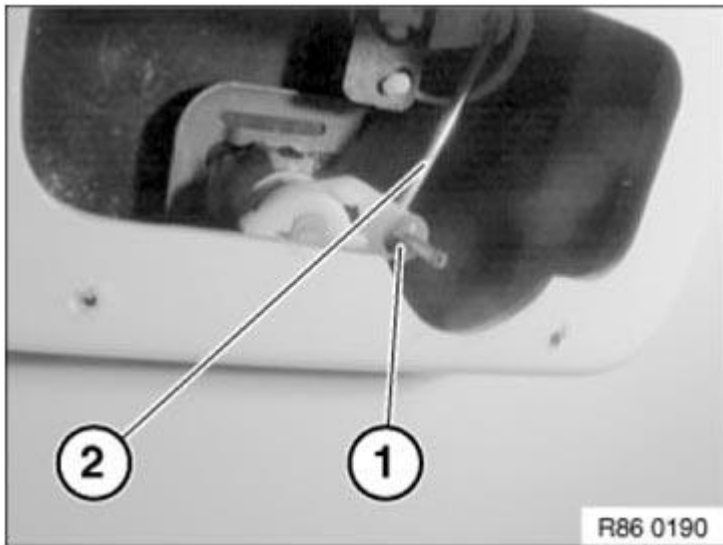


Fig. 191: Identifying Spring Nut And Pull Rod
Courtesy of BMW OF NORTH AMERICA, INC.

Unhook pull rod (1) from rocker (2).

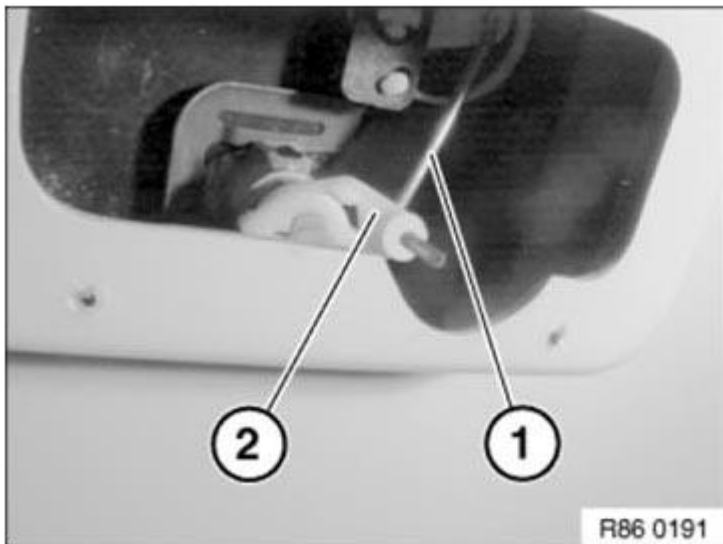


Fig. 192: Identifying Pull Rod And Rocker
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1) and remove rotary striker lock (2) from opening (3).

Installation

Tightening Torque, **86 21 12AZ**

Use new Stover nuts

WARNING: Scalding hazard!
Only perform these tasks on an engine that has cooled down.

Necessary preliminary tasks:

- Remove left **INTAKE SILENCER HOUSING**
- Remove **CHARGE AIR PIPE**, cylinders 7-12
- Remove **EXHAUST SYSTEM**
- Remove **CONTROL SENSOR**, cylinders 7 to -12
- Remove **MONITORING SENSOR**, cylinders 7-12

Unscrew nuts (1).

Remove heat shield (2).

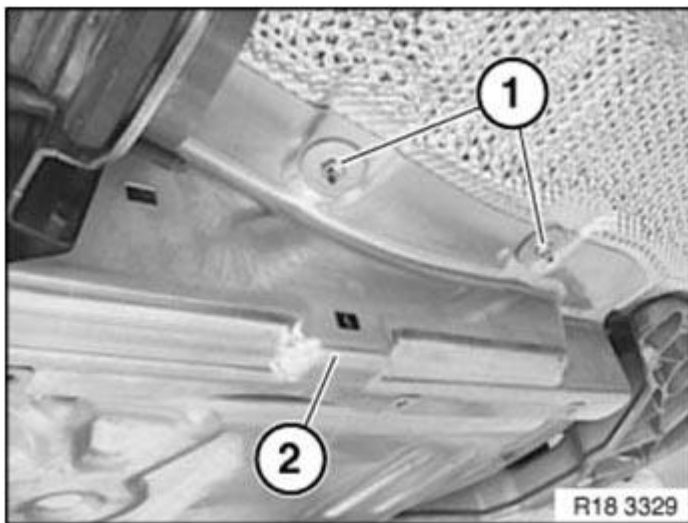


Fig. 28: Identifying Heat Shield And Nuts
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1).

Tightening torque: see 3AZ in **18 31 EXHAUST SYSTEM**

Remove holder (2).

Tightening torque: see 3AZ in **11 28 V-RIBBED BELT WITH TENSION AND DEFLECTION ELEMENT**

NOTE: A 3/4 inch tool is needed to release the central bolt.

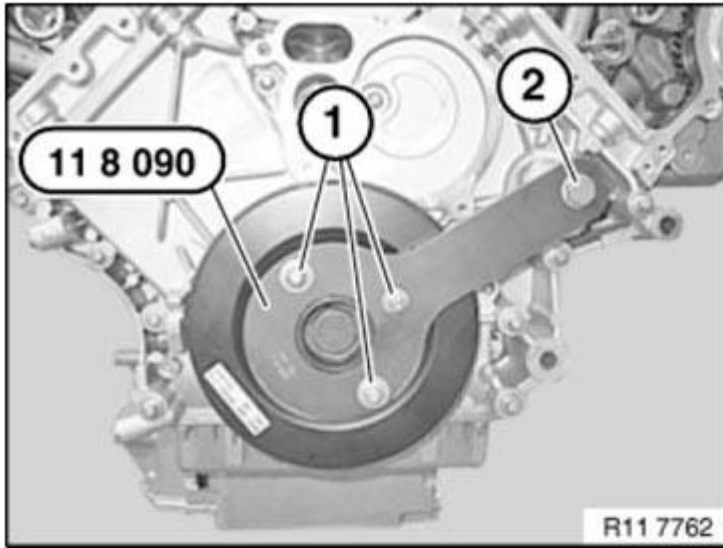


Fig. 175: Securing Special Tool 11 8 090 With Belt Tensioner Bolt And Screws
Courtesy of BMW OF NORTH AMERICA, INC.

Release central bolt on vibration damper.

Secure central bolt with special tool **00 9 140** or **11 3 460** .

Position special tool **11 3 460** on special tool **11 8 090** .

Adjust special tool **11 9 453** on special tool **11 9 454** using clamping screw to 0° on scale.

Tightening torque: see 1AZ in **11 23 VIBRATION DAMPER**