

2007-08 ACCESSORIES & EQUIPMENT**Seats - Repair Instructions - X5****13 FRONT SEAT, NORMAL, MANUAL****52 13 .. REMOVING AND INSTALLING/REPLACING ALL TRIMS ON LEFT OR RIGHT SEAT RAILS**

Operation is identical to:

Replacing all trims on left or right seat rail (comfort). See **52 17 .. Removing and installing/replacing all trims on left or right seat rails.**

52 13 .. REMOVING AND INSTALLING/REPLACING GUIDE FOR FRONT LEFT OR RIGHT HEAD RESTRAINT

Necessary preliminary tasks:

- Remove head restraint. See **52 13 390 Removing and installing or replacing front left or right head restraint (normal/semielectric).**
- Remove rear panel on front seat. See **52 14 198 Removing and installing/replacing rear panel on left or right front seat backrest.**

Press catches together and feed guide upwards out of cover and padding.

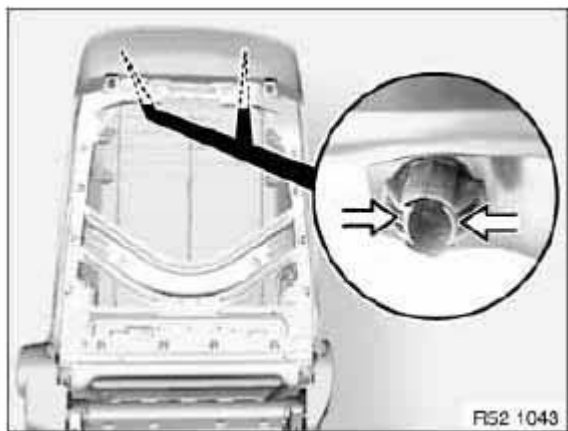


Fig. 1: Pressing Catches

Courtesy of BMW OF NORTH AMERICA, INC.

52 13 000 REMOVING AND INSTALLING LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Operation is identical to:

Replacing left or right front seat (normal/electric). See **52 14 000 Removing and installing left or right front seat.**

52 13 010 REMOVING AND INSTALLING/REPLACING BOTH SEAT RAILS ON LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Operation is identical to:

Replacing both seat rails on left or right front seat (normal/electric). See **52 14 010 Removing and installing/replacing both seat rails on left or right front seat (normal/electric).**

52 13 015 REMOVING AND INSTALLING/REPLACING ACTUATING UNIT ON LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Necessary preliminary tasks:

- Remove outer cover on front seat. See **52 13 040 Removing and installing/replacing outer cover on left or right front seat (normal/semi-electric).**

Pull lever and release screw (1).

NOTE: **Protect seat rails (mechanism) by covering against chips/swarf.**

Drill out rivets (2) with 4.2 mm dia. drill bit.

Remove actuating unit.

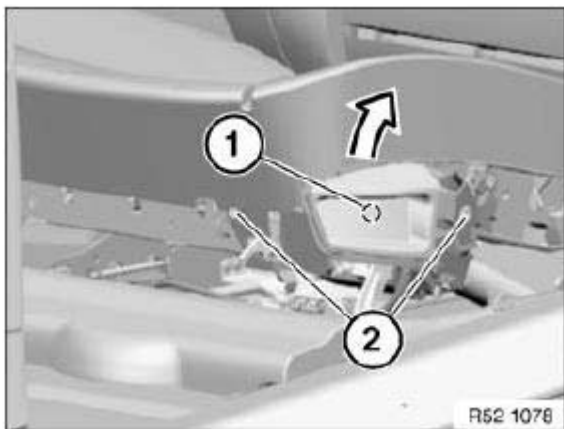


Fig. 2: Pulling Lever

Courtesy of BMW OF NORTH AMERICA, INC.

Unclip Bowden cable sleeve (1).

Feed Bowden cable nipple (2) out of fixture (3).

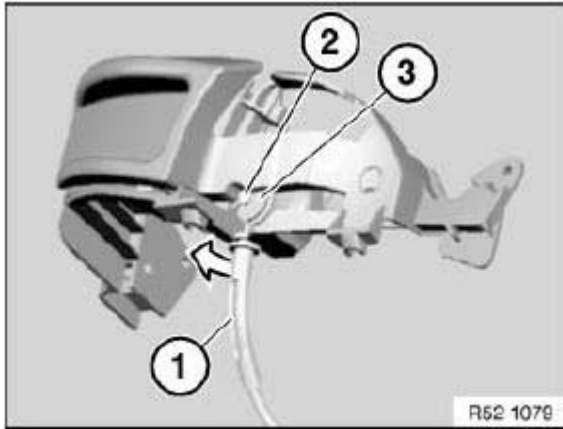


Fig. 3: Removing Bowden Cable Nipple

Courtesy of BMW OF NORTH AMERICA, INC.

52 13 020 REMOVING AND INSTALLING/REPLACING SEAT FRAME ON LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Operation is identical to:

Replacing seat frame on left or right front seat (normal/electric). See **52 14 020 Removing and installing/replacing seat frame on left or right front seat (normal/electric).**

52 13 030 REMOVING AND INSTALLING/REPLACING BACKREST FRAME ON LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

This operation is identical to:

Replacing backrest frame on front seat (comfort). See **52 17 030 Removing and installing/replacing backrest frame on left or right seat (comfort).**

52 13 040 REMOVING AND INSTALLING/REPLACING OUTER COVER ON LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Pull lever forward to remove:

- If necessary, lever out lower locking point (1) from rear with a screwdriver.

Release screw (2).

If necessary, move seat fully forwards and upwards.

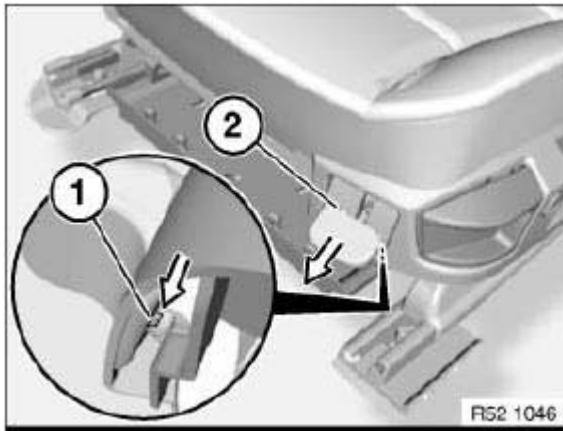


Fig. 4: Releasing Screw And Locking Point
 Courtesy of BMW OF NORTH AMERICA, INC.

Remove trim:

1. Unclip at top edge
2. Unclip at rear towards top side
3. Pull on belt opening
4. Unlock lugs
5. Carefully remove trim towards front

Unfasten plug connection.

Replacement only:

Remove switch. See **61 31 203 REPLACING SWITCH COMBINATION FOR SEAT ADJUSTMENT** .

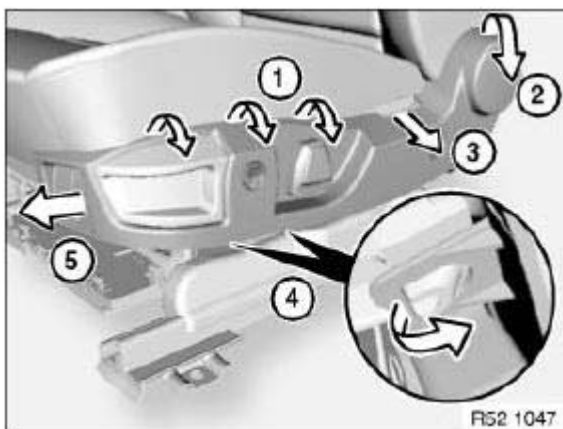


Fig. 5: Removing Trim
 Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Retaining clips and tabs must not be damaged.

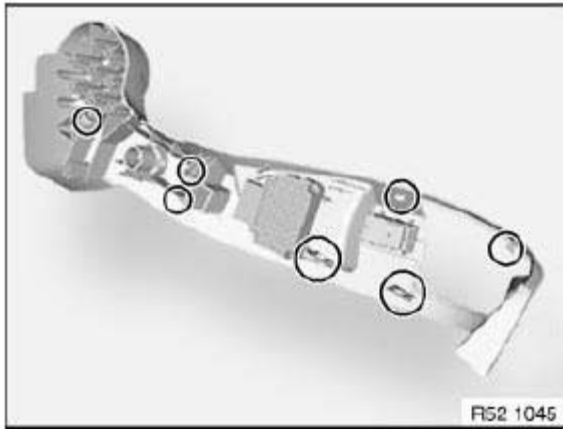


Fig. 6: Identifying Retaining Clips And Tabs
Courtesy of BMW OF NORTH AMERICA, INC.

52 13 041 REMOVING AND INSTALLING INNER COVER ON LEFT OR RIGHT FRONT SEAT (NORMAL/SEMIELECTRIC)

Operation is identical to:

Replacing inner cover on left or right front seat (normal/electric). See **52 13 050 Replacing left or right lumbar cushion on front seat (normal/semi-electric).**

52 13 050 REPLACING LEFT OR RIGHT LUMBAR CUSHION ON FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Operation is identical to:

Replacing lumbar cushion on front left or right seat (normal/electric). See **52 14 050 Replacing lumbar cushion on front left or right seat.**

52 13 060 REMOVING AND INSTALLING/REPLACING VALVE HOUSING FOR LEFT OR RIGHT FRONT LUMBAR SUPPORT (NORMAL/SEMI-ELECTRIC)

Operation is identical to:

Replacing valve housing for left or right front lumbar support (normal/electric). See **52 14 060 Removing and installing/replacing valve housing for left or right front lumbar support (normal/electric).**

52 13 198 REMOVING AND INSTALLING/REPLACING REAR PANEL ON LEFT OR RIGHT FRONT SEAT BACKREST (NORMAL/SEMI-ELECTRIC)

Operation is identical to:

Replacing rear panel on left or right front seat backrest (normal/electric). See **52 14 198 Removing and installing/replacing rear panel on left or right front seat backrest.**

52 13 390 REMOVING AND INSTALLING OR REPLACING FRONT LEFT OR RIGHT HEAD RESTRAINT (NORMAL/SEMIELECTRIC)

Operation is identical to:

Replacing front left or right head restraint (normal/electric). See **52 14 390 Removing and installing or replacing front left or right head restraint.**

52 13 393 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT CRASH-ACTIVE HEAD RESTRAINT

WARNING: Read and comply with safety regulations for handling airbag modules and pyrotechnical belt pretensioners. Incorrect handling may result in triggering of the crash-active head restraint and thereby cause injury. See **72 00 .. SAFETY REGULATIONS FOR HANDLING COMPONENTS WITH GAS GENERATORS** .

Switch off ignition!

Necessary preliminary tasks:

- Disconnect battery negative lead. See **61 20 900 DISCONNECTING AND CONNECTING BATTERY NEGATIVE LEAD** .
- Remove rear panel. See **52 13 198 Removing and Installing/Replacing Rear Panel On Left Or Right Front Seat Backrest (Normal/Semi-Electric).**

Unfasten plug connection (1) and disconnect.

Feed wiring harness out of backrest frame.

Lift out head restraint.

52 13 400 REPLACING SEAT COVER FOR LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Special tools required:

- 52 0 050. See **52 0 050 PLIERS** .

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and installing left or right front seat**
- Remove rear panel on front seat backrest. See **52 14 198 Removing and installing/replacing rear panel on left or right front seat backrest.**
- Remove inner cover on front seat. See **52 14 041 Removing and installing inner cover on left or right front seat.**

WARNING: US/CDN front passenger seat (with OC3 mat) only:

To avoid damaging the OC3 mat, it is essential to carry out the following operations with extra care.

When replacing seat cover:

If seat cover is defective, seat cover and padding with OC3 mat must be replaced together.

New seat cover is supplied with padding, OC3 mat and if necessary seat heating.

When replacing padding with OC3 mat:

If OC3 mat or padding is defective, both parts may only be replaced together.

These must be fitted with the seat cover from the car.

After fitting seat cover, enable OC3 mat with BMW diagnosis system.

Enabling seat occupancy detector (OC3 mat):

- Connect BMW diagnosis system
- Release seat occupancy detector
- Clear fault memory if necessary

Unhook seat cover (2) at all retaining points.

Lever out left and right clips (1).

Installation:

If necessary, replace faulty clips (1).

Remove seat cover (2) with support.

If necessary, disconnect all plug connections.

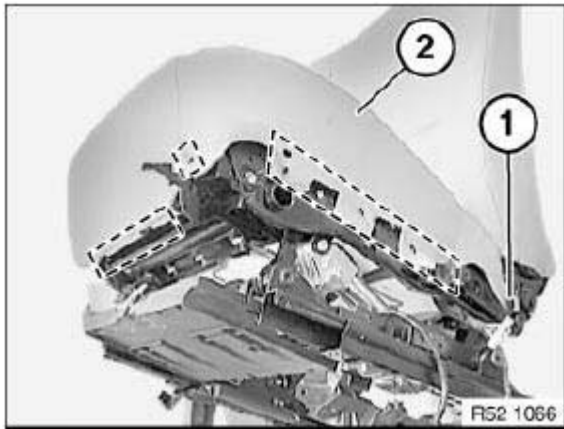


Fig. 7: Identifying Seat Cover And Clips
 Courtesy of BMW OF NORTH AMERICA, INC.

Version with OC3 mat:

- OC3 mat must not be kinked under any circumstances.

Detach all retainers in side area from longitudinal wires (1).

Pull trim wires (1) forward out of seat cover.

Carefully fold back seat cover and release retainers from cross - wires (2).

Remove seat cover from padding.

IMPORTANT: Remove all remnants of clips from seat cover and padding.

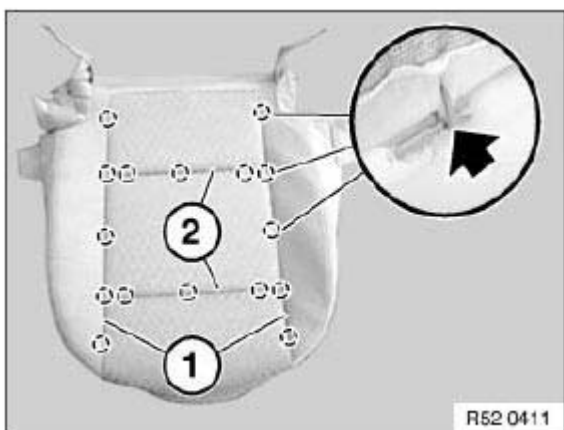


Fig. 8: Identifying Longitudinal Wires And Trim Wires
 Courtesy of BMW OF NORTH AMERICA, INC.

Padding (1) with OC3 mat (2).

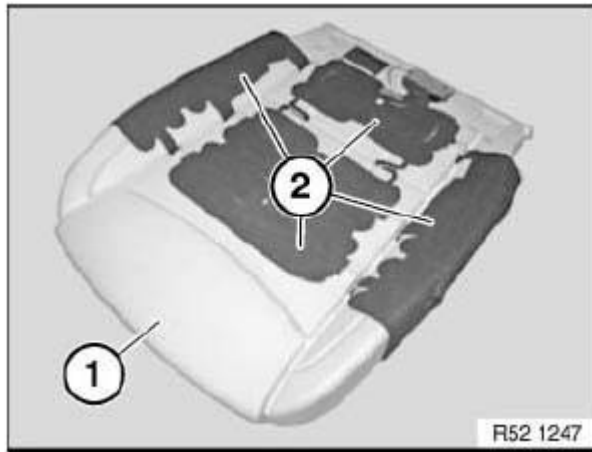


Fig. 9: Identifying Padding With OC3 Mat
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Bend new retainer (2) closed with pliers 52 0 050. See **52 0 050 PLIERS**

1. Padding
2. Clips
3. Trim wire in seat cover
4. Trim wire in padding
5. Seat cover

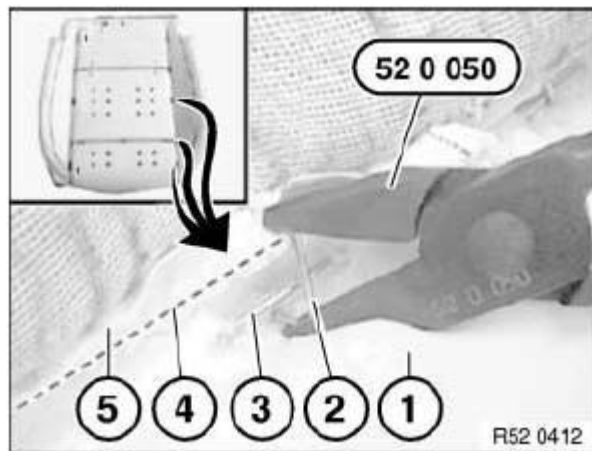


Fig. 10: Identifying Special Tool (50 0 050)
Courtesy of BMW OF NORTH AMERICA, INC.

Remove trim threads (1) from seat cover (2)

(3) If necessary, cable for seat heating

Installation:

Slide trim threads (1) into new seat cover (2). If necessary, cut mounting for trim threads.

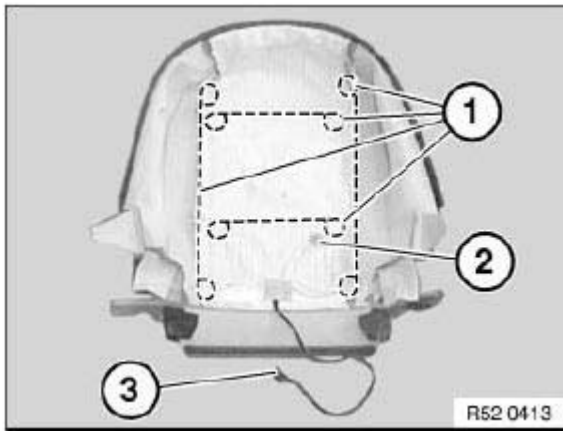


Fig. 11: Identifying Trim Threads And Seat Cover
Courtesy of BMW OF NORTH AMERICA, INC.

52 13 405 REPLACING BACKREST COVER FOR LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

Special tools required:

- 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)**
- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and installing left or right front seat.**
- Remove rear panel on front seat backrest. See **52 14 198 Removing and installing/replacing rear panel on left or right front seat backrest.**

Detach plug connection (1) by twisting from backrest frame.

Disconnect plug-in connection.

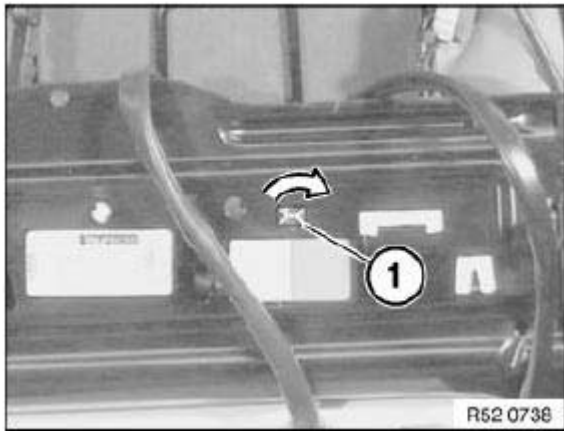


Fig. 12: Detaching Plug Connection

Courtesy of BMW OF NORTH AMERICA, INC.

Release all retainers (1) on cover.

Remove cover.

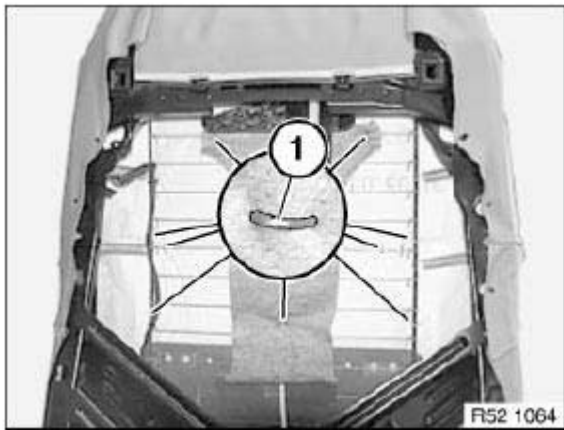


Fig. 13: Identifying Retainers

Courtesy of BMW OF NORTH AMERICA, INC.

For A/C optional extra only:

Disconnect cable strap (1) on wiring harness for fan.

Disconnect plug connections (2).

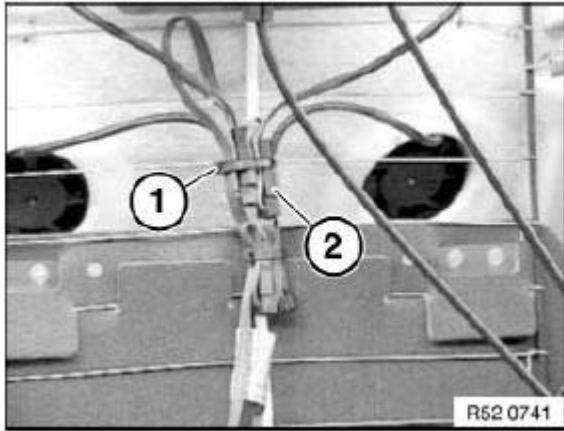


Fig. 14: Identifying Cable Strap And Plug Connections

Courtesy of BMW OF NORTH AMERICA, INC.

Unhook backrest cover at retaining points in area (1).

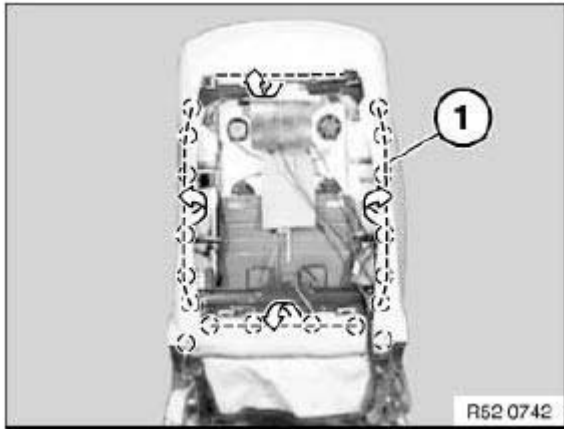


Fig. 15: Identifying Unhook Backrest Cover At Retaining Points

Courtesy of BMW OF NORTH AMERICA, INC.

Unhook backrest cover (1) at bottom and sides towards front.

Pull off backrest cover (1) with padding towards top from backrest frame (2).

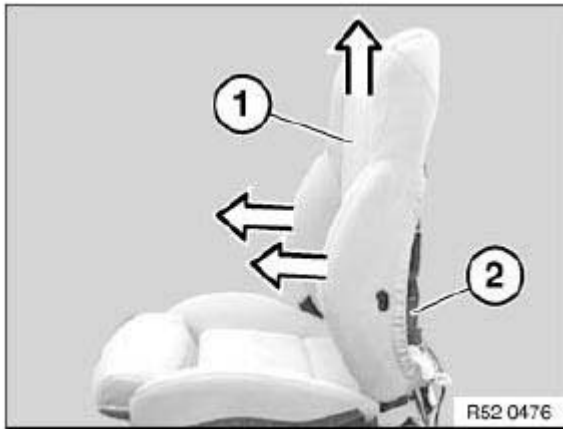


Fig. 16: Identifying Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Release all retainers.

Remove backrest cover (1) from padding.

Remove all remnants of clips from backrest cover (1) and padding.

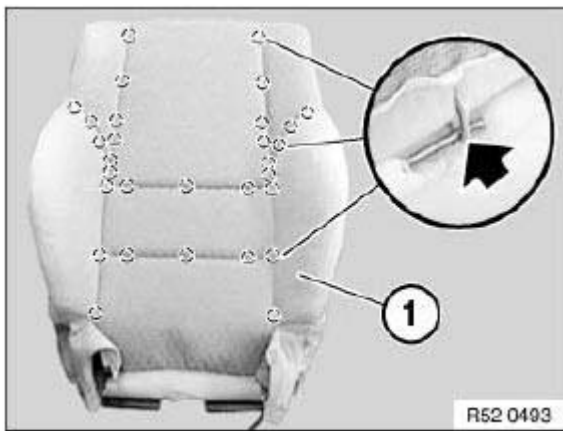


Fig. 17: Identifying Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Bend new retainer (2) closed with pliers 52 0 050. See **52 0 050 PLIERS** .

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in backrest cover

5. Backrest cover

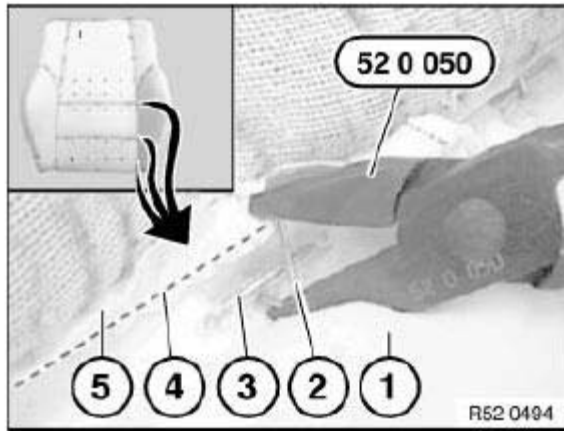


Fig. 18: Identifying Special Tool (52 0 050)
Courtesy of BMW OF NORTH AMERICA, INC.

Remove trim threads (1) from backrest cover.

(2) Seat heater cable

Installation:

Push trim threads (1) into new backrest cover.

If necessary, cut into new component.

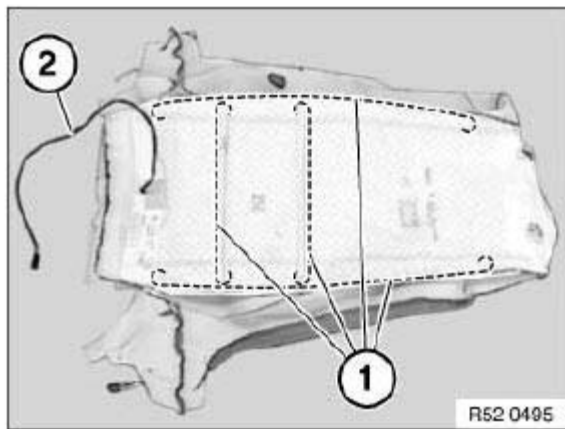


Fig. 19: Identifying Trim Threads
Courtesy of BMW OF NORTH AMERICA, INC.

Lever out locking strip of head restraint guide with special tool 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)**.

Installation:

Mount straight front face of head restraint guide towards front.

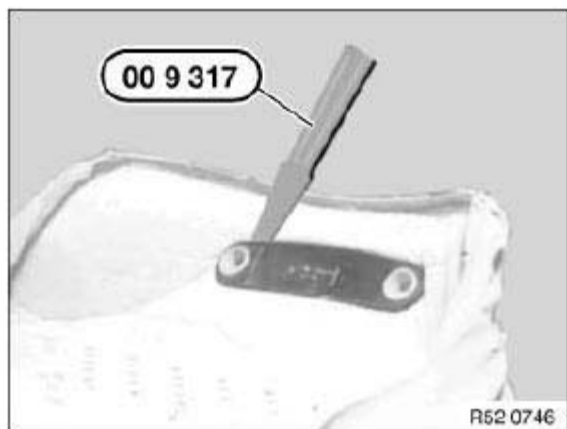


Fig. 20: Identifying Special Tool (00 9 317)

Courtesy of BMW OF NORTH AMERICA, INC.

52 13 415 REPLACING SUPPORT FOR LEFT OR RIGHT FRONT SEAT (NORMAL/SEMI-ELECTRIC)

WARNING: US/CDN front passenger seat (with OC3 mat) only:

The padding can only be removed in conjunction with the OC3 mat.

If padding is defective, both parts may only be replaced together

After fitting new padding, enable OC3 mat with BMW diagnosis system.

The operation for removing the padding with/without OC3 mat is described in:

- Replacing seat cover for front seat. See **52 13 400 Replacing Seat Cover For Left Or Right Front Seat (Normal/Semi-Electric)**.

Enabling seat occupancy detector (OC3 mat):

- Connect BMW diagnosis system
- Release seat occupancy detector
- Clear fault memory if necessary

52 13 420 REPLACING PADDING FOR LEFT OR RIGHT FRONT SEAT BACKREST (NORMAL/SEMI-ELECTRIC)

Operation is described in:

Remove backrest cover for front seat. See **52 13 405 Replacing Backrest Cover For Left Or Right Front Seat (Normal/Semi-Electric)**.

14 FRONT SEAT, NORMAL, ELECTRICAL

52 14 .. REMOVING AND INSTALLING OUTER UPPER RAIL TRIM WITH ELECTRIC ANCHOR FITTING TENSIONER (FROM 04/2004)

Driver's seat only:

NOTE: Version with anchor fitting tensioner from 04/2004.

Lever trim (3) out of seat mechanism:

1. upwards,
2. slide towards rear

and feed out of anchor fitting tensioner.

Installation:

Secure plug connection with felt strip against unlocking.

Lock on plug connection to anchor fitting tensioner can be unlocked when trim is fitted.

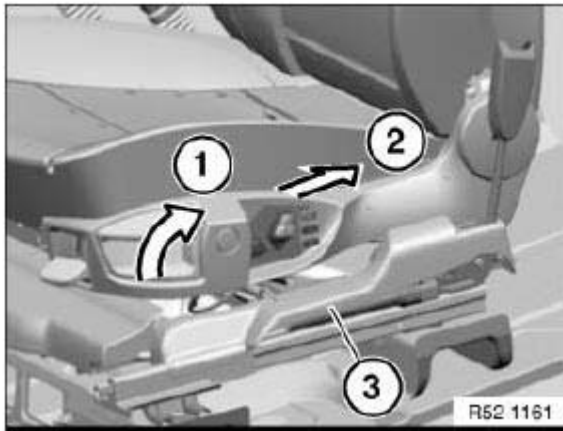


Fig. 21: Identifying Trim

Courtesy of BMW OF NORTH AMERICA, INC.

52 14 .. REMOVING AND INSTALLING/REPLACING GUIDE FOR FRONT LEFT OR RIGHT HEAD RESTRAINT

Necessary preliminary tasks:

- Remove head restraint. See **52 14 390 Removing and installing or replacing front left or right head restraint.**
- Remove rear panel on front seat backrest. See **52 14 198 Removing and installing/replacing rear panel**

on left or right front seat backrest.

Pull backrest cover (1) in direction of arrow over metal lugs (2) and detach.

If necessary, detach backrest cover on both sides from backrest frame.

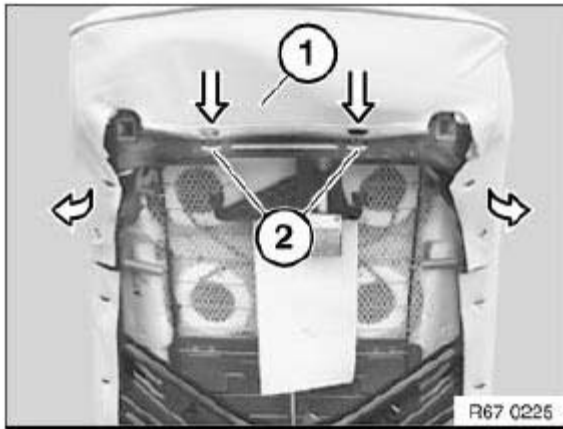


Fig. 22: Pulling Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Unlock catches (1) and remove guide (2) towards top.

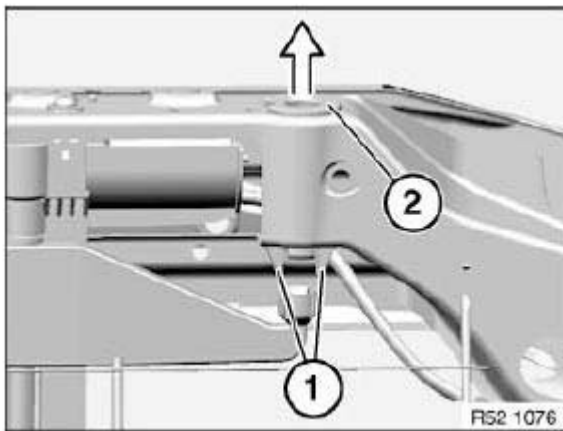


Fig. 23: Identifying Catches And Guide

Courtesy of BMW OF NORTH AMERICA, INC.

52 14 000 REMOVING AND INSTALLING LEFT OR RIGHT FRONT SEAT

Necessary preliminary tasks:

- Remove front head restraint. See **52 13 390 Removing and Installing Or Replacing Front Left Or Right Head Restraint (Normal/Semielectric)**. 2373 of 3160

WARNING: Read and comply with safety regulations for handling airbag modules and pyrotechnical belt pretensioners. See **72 SAFETY PRECAUTIONS AND GENERAL INFORMATION** .

Improper handling can lead to triggering of the pyrotechnical seat belt pretensioner or side airbag, resulting in injuries.

Switch off ignition!

Move front seat upwards.

Release screw (1) on front seat.

Installation:

Replace screw.

Tightening torque 72 11 02AZ. See **72 11 SEAT BELTS** .

Feed out belt anchor fitting (2).

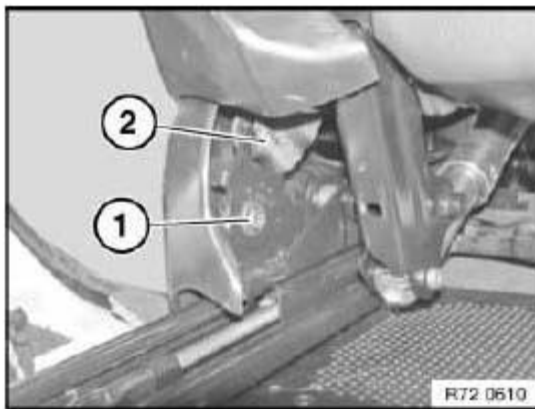


Fig. 24: Identifying Belt Anchor Fitting Screw
Courtesy of BMW OF NORTH AMERICA, INC.

Move front seat forwards.

Release screws.

Installation:

Replace screws.

Tightening torques 52 10 01AZ. See **52 10 FRONT SEATS** .

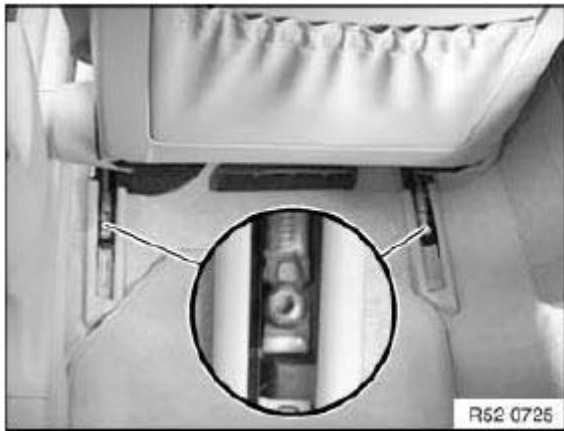


Fig. 25: Identifying Front Seat Screw
Courtesy of BMW OF NORTH AMERICA, INC.

Removing cover on left and right:

Move front seat towards rear.

Carefully raise lug (1).

At same time, unlock inner side (2) in direction of arrow.

Remove cover in direction of arrow towards front.

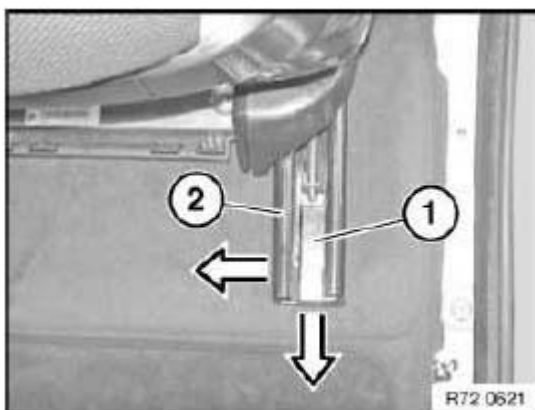


Fig. 26: Raising Lug
Courtesy of BMW OF NORTH AMERICA, INC.

Release bolts (1).

Installation:

Replace screws.

Tightening torque 52 10 01AZ. See **52 10 FRONT SEATS**.

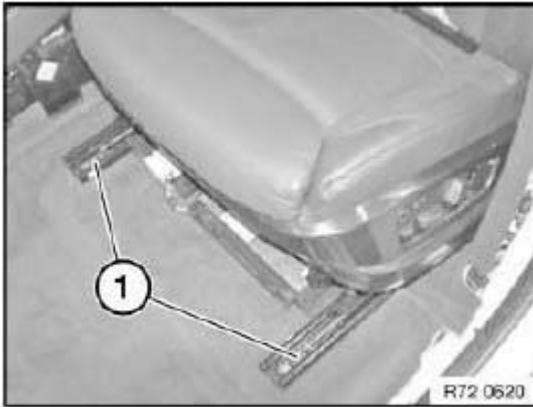


Fig. 27: Identifying Bolts

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Carpet must not project between seat rail and floor board in area of screw-down points (grinding noises).

Unclip cover (1) towards front.

Unfasten plug connection (2) and disconnect.

Unclip wiring harness from seat mechanism.

IMPORTANT: Cover door sill with protective covers (risk of damage).

Lift out front seat.

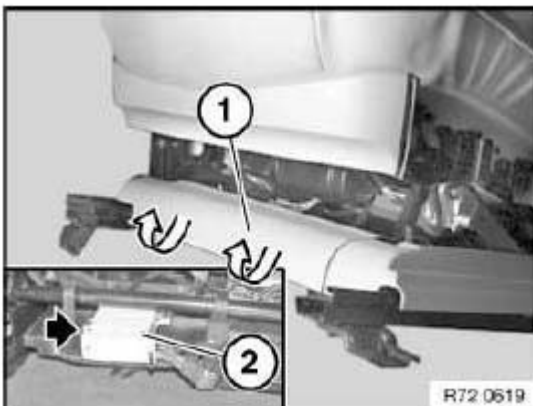


Fig. 28: Unclipping Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Make sure wiring harness is correctly routed in order to avoid grating noises, jamming or collisions.

Clip in cable holder for wiring harness.

Lay wiring harness only in area (1) of cover.

Fitting the wiring harness between the carpet and the cover in control unit area (2) will result in grating noises.

Carry out a complete longitudinal adjustment (forward/back) with front seat.

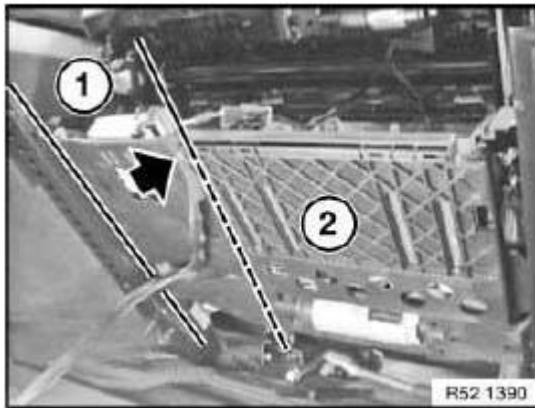


Fig. 29: Identifying Control Unit Area Cover
Courtesy of BMW OF NORTH AMERICA, INC.

52 14 010 REMOVING AND INSTALLING/REPLACING BOTH SEAT RAILS ON LEFT OR RIGHT FRONT SEAT (NORMAL/ELECTRIC)

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and Installing Left Or Right Front Seat**.
- Remove lower strap (belt tensioner). See **72 11 041 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT LOWER BELT FITTING (SEAT BELT TENSIONER)**.
- Remove drive unit for longitudinal seat adjustment. See **67 31 500 REMOVING AND INSTALLING/REPLACING DRIVE UNIT FOR LONGITUDINAL SEAT ADJUSTMENT**.

WARNING: Read and comply with safety regulations for handling airbag modules and pyrotechnical belt tensioners. See **72 SAFETY PRECAUTIONS AND GENERAL INFORMATION**.

Improper handling can lead to triggering of the pyrotechnical seat belt pretensioner or side airbag, resulting in injuries.

Unlock all plug connections and disconnect.

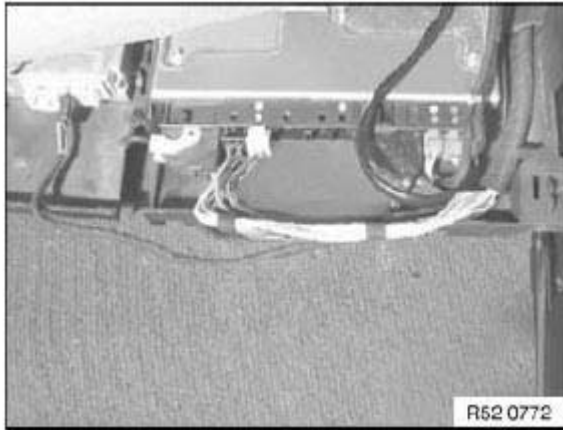


Fig. 30: Identifying Plug Connections

Courtesy of BMW OF NORTH AMERICA, INC.

Press catches (1).

Slide adjusting unit (2) for active head restraint adjustment in direction of arrow and remove.

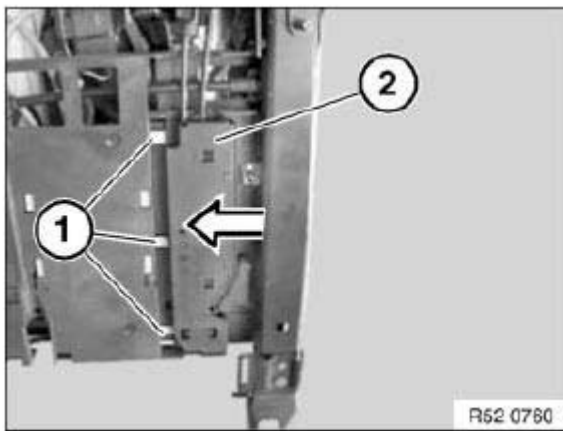


Fig. 31: Identifying Catches And Adjusting Unit

Courtesy of BMW OF NORTH AMERICA, INC.

Release left and right screws (1).

Tightening torque 52 10 6AZ. See **52 10 FRONT SEATS** .

Remove seat rails (4) with carrier plate (3).

Release fastening elements (2) on left and right.

Remove carrier plate (3).

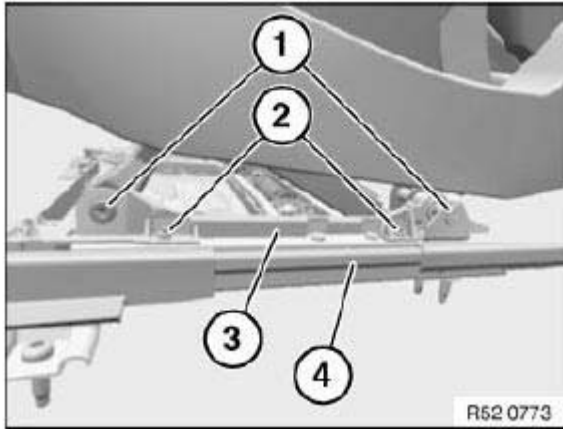


Fig. 32: Identifying Seat Rails With Carrier Plate
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1).

Remove holder (2) for lower strap (belt tensioner).

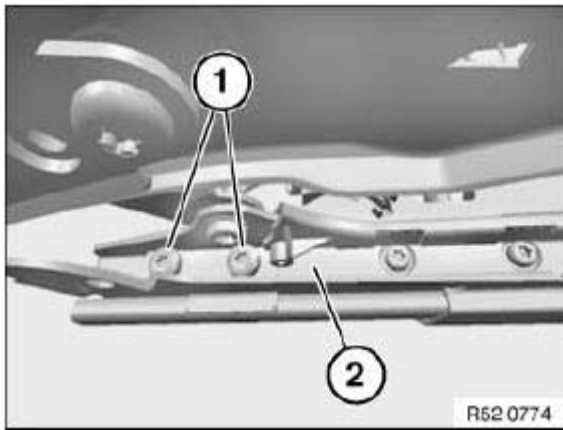


Fig. 33: Identifying Holder And Screws
Courtesy of BMW OF NORTH AMERICA, INC.

52 14 020 REMOVING AND INSTALLING/REPLACING SEAT FRAME ON LEFT OR RIGHT FRONT SEAT (NORMAL/ELECTRIC)

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and Installing Left Or Right Front Seat**.
- Remove backrest frame. See **52 14 030 Removing and installing/replacing backrest frame on left or right front seat**.
- Remove both seat rails on front seat. See **52 14 010 Removing and Installing/Replacing Both Seat Rails On Left Or Right Front Seat (Normal/Electric)**.

- Remove seat cover for front seat. See **52 14 000 Removing and Installing Left Or Right Front Seat**.

Release fastening elements (1) on left and right.

Remove component (2) on left and right.

Remove complete seat wiring harness.

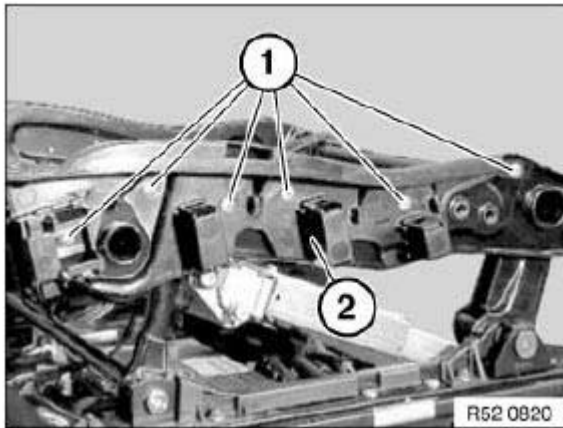


Fig. 34: Identifying Fastening Elements And Components
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

When replacing backrest or seat frame, break off centring hooks (1) from seat frame.

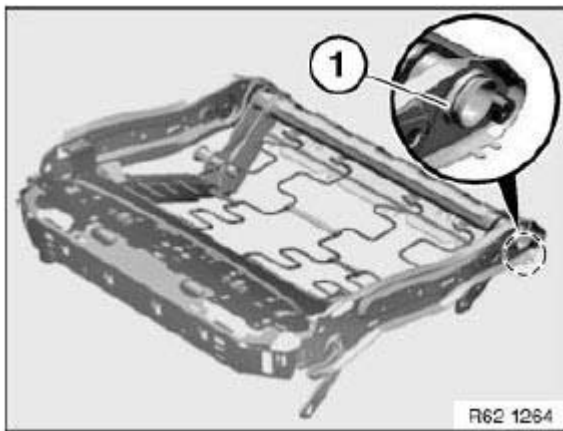


Fig. 35: Identifying Centring Hooks
Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: The new seat frame part contains all the drives.

52 14 023 REMOVING AND INSTALLING / REPLACING DRIVE FOR LEFT OR RIGHT ACTIVE SEAT

Necessary preliminary tasks:

- Remove front seat. See **52 17 000 Removing and installing left or right front seat (comfort)**.
- Remove seat cover with padding for front seat. See **52 17 400 Removing and installing/replacing seat cover for left or right front seat (comfort)**.

Release screws (1).

Tip seat towards rear.

Installation:

Tightening torque 52 10 6AZ. See **52 10 FRONT SEATS** .

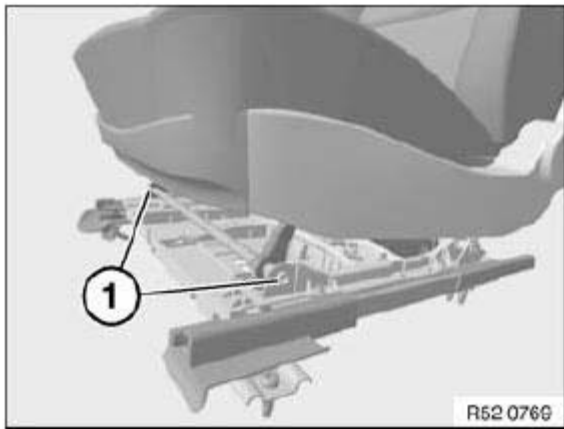


Fig. 36: Identifying Seat Screw

Courtesy of BMW OF NORTH AMERICA, INC.

Unclip hydraulic pockets (1) with supports on left and right from flex mat.

NOTE: If necessary, release clips (2). Remove hydraulic pockets (1) from supports (3).

Feed hydraulic pockets (1) through flex mat towards bottom.

Detach retaining points for drive in area (4).

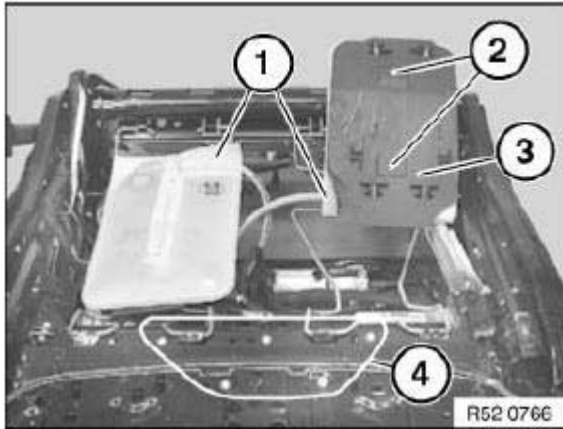


Fig. 37: Identifying Hydraulic Pockets And Clips
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect plug connection.

Remove drive (1).

NOTE: Drive and hydraulic pockets form a single unit and can only be replaced completely.

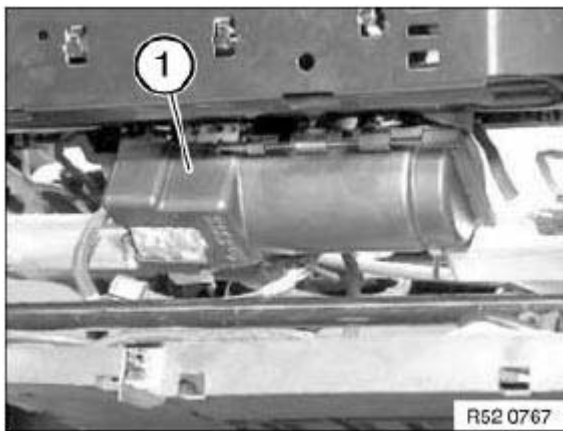


Fig. 38: Identifying Drive
Courtesy of BMW OF NORTH AMERICA, INC.

52 14 030 REMOVING AND INSTALLING/REPLACING BACKREST FRAME ON LEFT OR RIGHT FRONT SEAT

This operation is identical to:

Replace backrest frame on front seat (comfort). See **52 17 030 Removing and installing/replacing backrest frame on left or right seat (comfort)**.

52 14 040 REMOVING AND INSTALLING/REPLACING OUTER COVER ON LEFT OR RIGHT FRONT SEAT

If necessary, move seat fully forwards and upwards.

Remove trim:

1. Unclip at rear towards top side
2. Pull on belt opening to one side
3. Bend trim open slightly at top and bottom on actuating unit
4. Bend open slightly at top and bottom and pull outwards a little

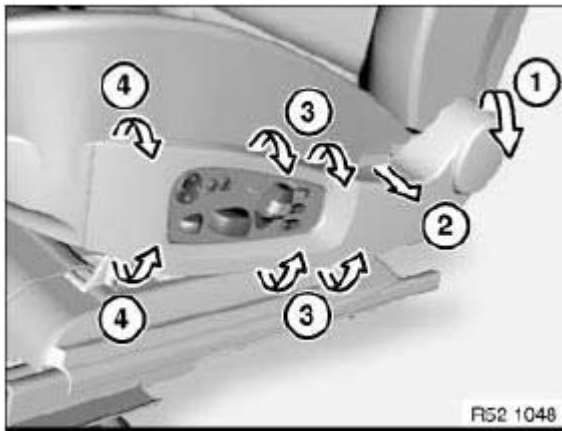


Fig. 39: Pulling Belt Opening
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Retaining clips must not be damaged.

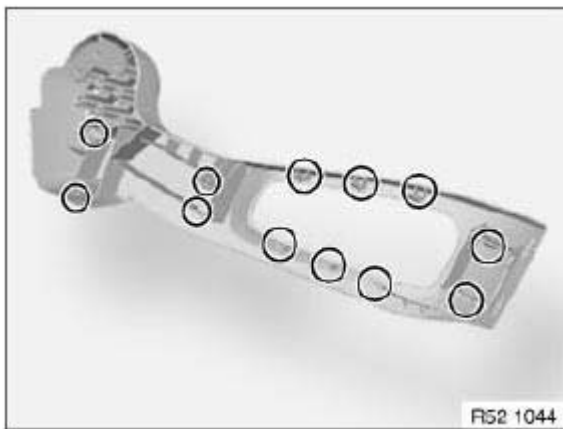


Fig. 40: Identifying Retaining Clips

Courtesy of BMW OF NORTH AMERICA, INC.

52 14 041 REMOVING AND INSTALLING INNER COVER ON LEFT OR RIGHT FRONT SEAT

Necessary preliminary tasks:

- Remove front seat.

Release screw (1).

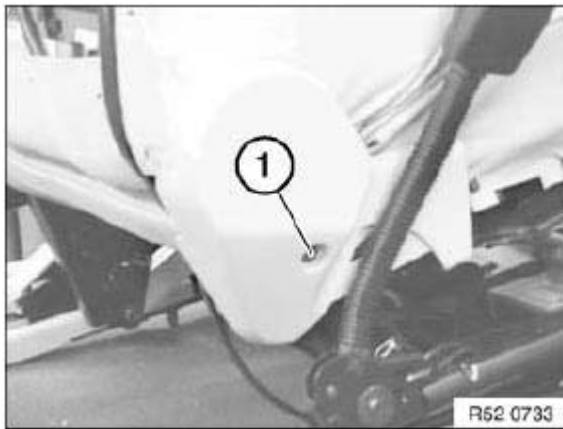


Fig. 41: Identifying Screw

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Cover is secured by guide (2) in hole (1).

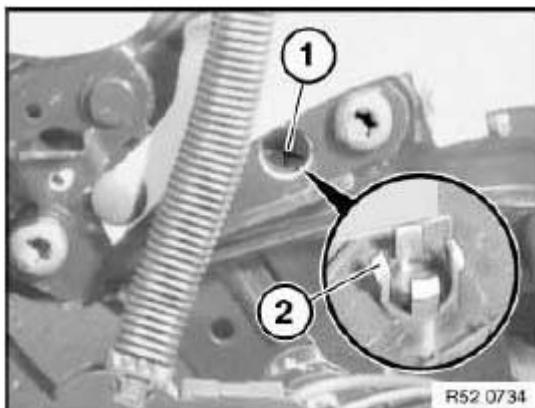


Fig. 42: Identifying Guide Cover Hole

Courtesy of BMW OF NORTH AMERICA, INC.

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove rear panel on front seat backrest. See **52 14 198 Removing and installing/replacing rear panel on left or right front seat backrest.**

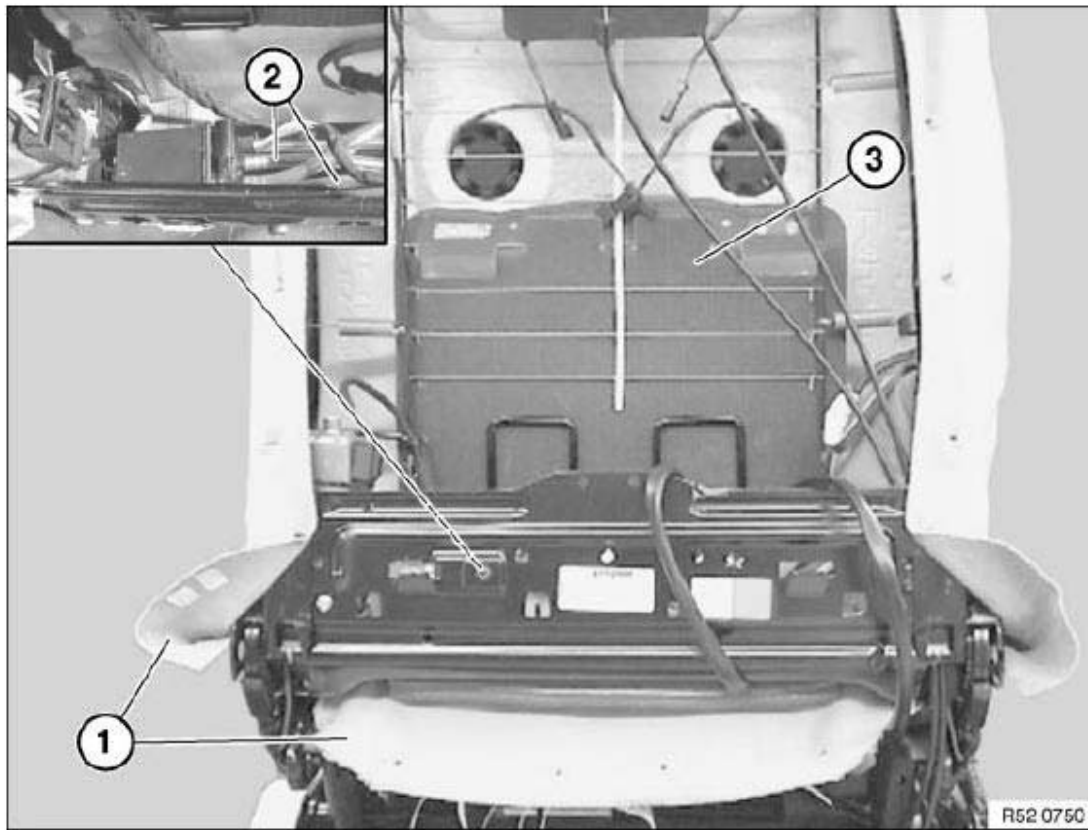


Fig. 43: Identifying Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Detach backrest cover (1) at bottom from backrest frame.

Remove valve housing. See **52 13 060 Removing and Installing/Replacing Valve Housing For Left Or Right Front Lumbar Support (Normal/Semi-Electric).**

Disconnect air hoses (2) from valve housing.

NOTE: Heat air hoses gently if they are firmly seated on valve housing. Housing of valve block must not be unclipped (leakage). If necessary, release mounting and clip housing together.

If necessary, cut all retainers on lumbar cushion (3) and spring wire.

NOTE: Remove all remnants of retainers. Lock new retainers by bending with special tool 52 0 050. See 52 0 050 PLIERS

Detach lumbar cushion (3) from spring wire.

Remove lumbar cushion (3) downwards between backrest frame and seat mechanism.

Installation:

Make sure air hoses are correctly connected to valve block (colour coding).

Air hoses must be laid without kinks.

Check lumbar cushion for damage.

52 14 060 REMOVING AND INSTALLING/REPLACING VALVE HOUSING FOR LEFT OR RIGHT FRONT LUMBAR SUPPORT (NORMAL/ELECTRIC)

Necessary preliminary tasks:

- Remove rear panel on front seat backrest. See 52 14 198 Removing and installing/replacing rear panel on left or right front seat backrest.

Release retaining screw (1).

Disconnect electrical plug connection.

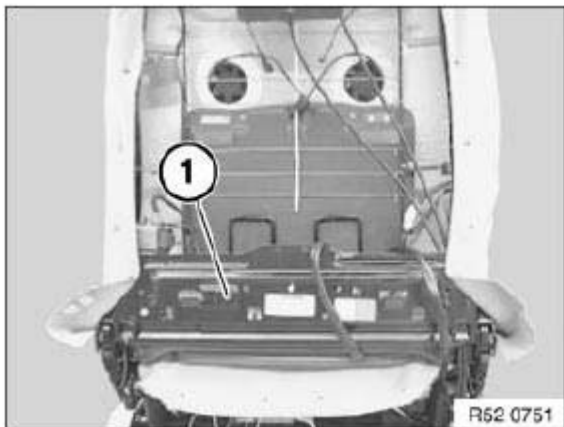


Fig. 44: Identifying Retaining Screw
Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect air hoses (1) and (2).

Installation:

Make sure air hoses (2) are correctly connected to valve block (colour coding: red/blue).

Housing on valve block must not be unclipped (leakage). If necessary, clip housing together.

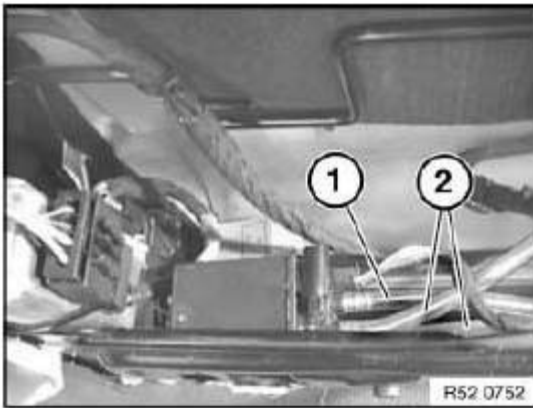


Fig. 45: Identifying Air Hoses

Courtesy of BMW OF NORTH AMERICA, INC.

52 14 198 REMOVING AND INSTALLING/REPLACING REAR PANEL ON LEFT OR RIGHT FRONT SEAT BACKREST

Operation is shown on the left seat. When removing from the right seat, transpose the pull and striking sides accordingly.

1. Grip between rear panel and backrest cover on door side until clip can be felt (do not pull).
2. At same time, firmly punch towards middle of seat on inner side (tunnel side) at top.

Upper retainers spring out of seat guide.

3. Pull rear panel up out of lower guides.

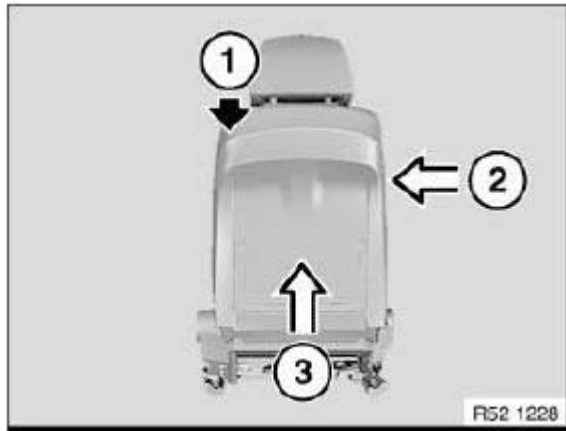


Fig. 46: Pulling Rear Panel Up Out Of Lower Guides
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Rear panel and clips must not be damaged.

1. Upper clips
2. Lower clips

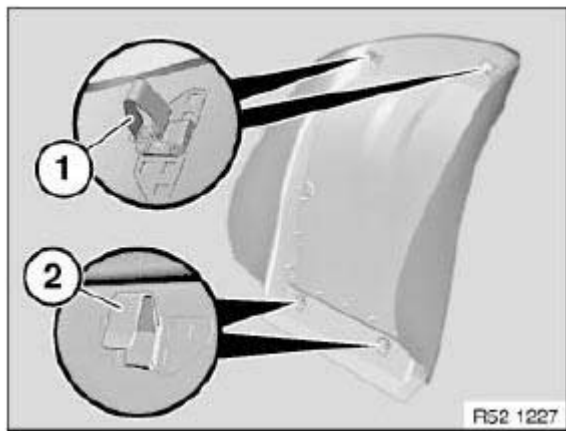


Fig. 47: Identifying Rear Panel And Clips
Courtesy of BMW OF NORTH AMERICA, INC.

52 14 380 REMOVING AND INSTALLING/REPLACING HEAD RESTRAINT MOUNT ON LEFT OR RIGHT FRONT SEAT

Operation is identical to:

Replacing drive for head restraint adjustment on left or right front seat. See **67 31 570 REMOVING AND INSTALLING/REPLACING DRIVE UNIT FOR HEAD RESTRAINT HEIGHT ADJUSTMENT ON**

LEFT OR RIGHT FRONT SEAT .**52 14 390 REMOVING AND INSTALLING OR REPLACING FRONT LEFT OR RIGHT HEAD RESTRAINT**

Move headrest up as far as possible.

Pull out forcefully.

Installation:

Press in head restraint until it can be heard to snap into place.

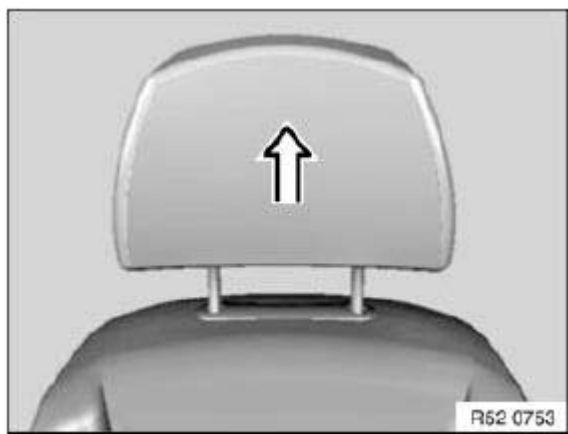


Fig. 48: Pulling Headrest

Courtesy of BMW OF NORTH AMERICA, INC.

52 14 400 REPLACING COVER FOR LEFT OR RIGHT FRONT SEAT

Special tools required:

- 52 0 050. See **52 0 050 PLIERS** .

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and Installing Left Or Right Front Seat**.
- Remove rear panel on front seat backrest. See **52 14 198 Removing and Installing/Replacing Rear Panel On Left Or Right Front Seat Backrest**.
- Remove inner cover on front seat. See **52 14 041 Removing and Installing Inner Cover On Left Or Right Front Seat**.

WARNING: US/CDN front passenger seat (with OC3 mat) only:

To avoid damaging the OC3 mat, it is essential to carry out the following operations with extra care.

When replacing seat cover:

If seat cover is defective, seat cover and padding with OC3 mat must be replaced together.

New seat cover is supplied with padding, OC3 mat and if necessary seat heating.

When replacing padding with OC3 mat:

If OC3 mat or padding is defective, both parts may only be replaced together.

Both parts must be fitted with the seat cover from the vehicle.

Enabling seat occupancy detector (OC3 mat):

- Connect BMW diagnosis system
- Release seat occupancy detector
- Clear fault memory if necessary

Remove cover (1) on front seat:

- Press clip on door side outwards
- Press clip on tunnel side upwards
- Pull cover (1) forwards out of seat mechanism

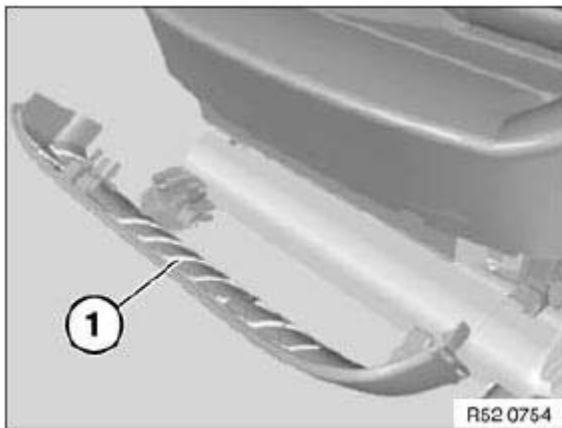


Fig. 49: Identifying Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Unhook seat cover on at all retaining points (1).

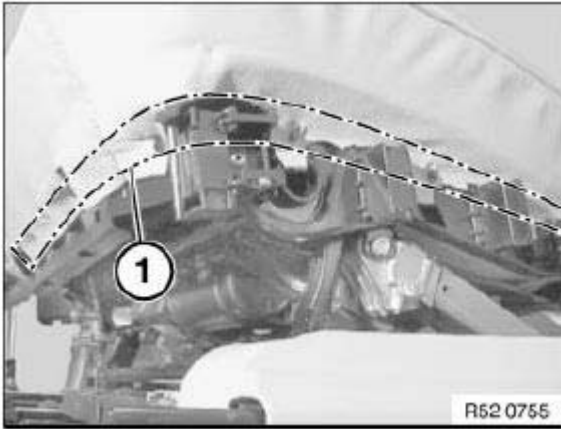


Fig. 50: Identifying Seat Cover Retaining Points
 Courtesy of BMW OF NORTH AMERICA, INC.

Unhook seat cover (1) in area (2).

If necessary, detach plug connections (3).

Remove seat cover (1) complete with support.

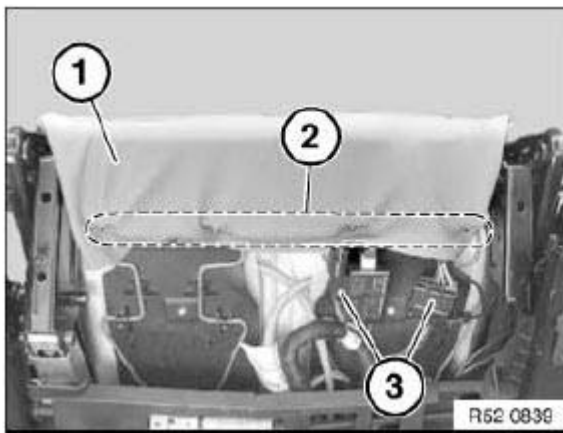


Fig. 51: Identifying Cover Area Connections
 Courtesy of BMW OF NORTH AMERICA, INC.

Replacing seat cover:

Version with OC3 mat:

- OC3 mat must not be kinked under any circumstances.

Detach all retainers in side area from longitudinal wires (1).
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Pull trim wires (1) forward out of seat cover.

Carefully fold back seat cover and release retainers from cross - wires (2).

Remove seat cover from padding.

IMPORTANT: Remove all remnants of clips from seat cover and padding.

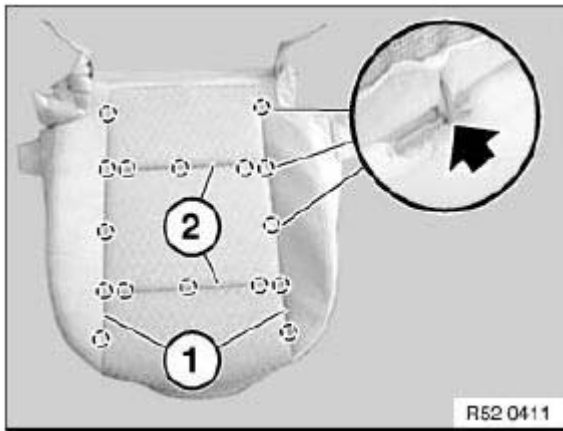


Fig. 52: Identifying Longitudinal Wires And Trim Wires
Courtesy of BMW OF NORTH AMERICA, INC.

Padding (1) with OC3 mat (2).

**IMPORTANT: No retainer remainders may be fitted as well.
Handle OC3 mat with extreme care.
Do not kink OC3 mat.
Do not clamp OC3 mat.
OC3 mat must lie without folds under seat cover.**

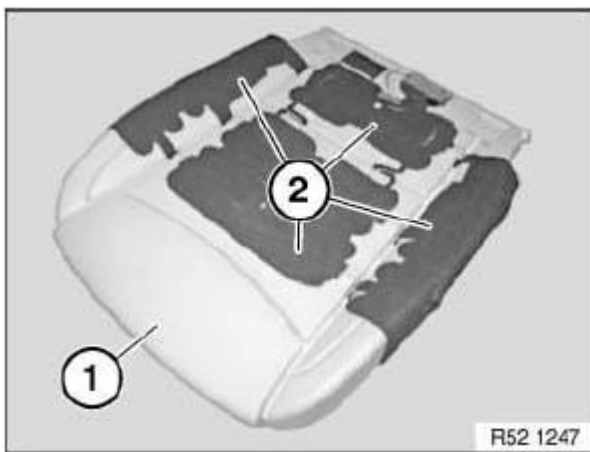


Fig. 53: Identifying Padding With OC3 Mat
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Bend new retainer (2) closed with pliers 52 0 050. . See **52 0 050 PLIERS**

1. Padding
2. Clips
3. Trim wire in seat cover
4. Trim wire in padding
5. Seat cover

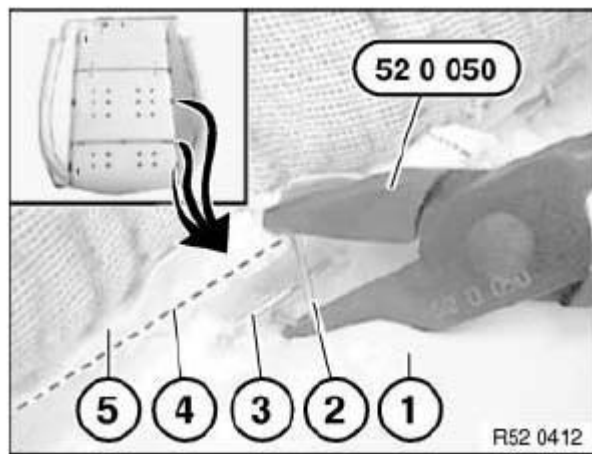


Fig. 54: Identifying Special Tool (50 0 050)
Courtesy of BMW OF NORTH AMERICA, INC.

Remove trim threads (1) from seat cover (2).

(3) If necessary, cable for seat heating

Installation:

Slide trim threads (1) into new seat cover (2). If necessary, cut mounting for trim threads.

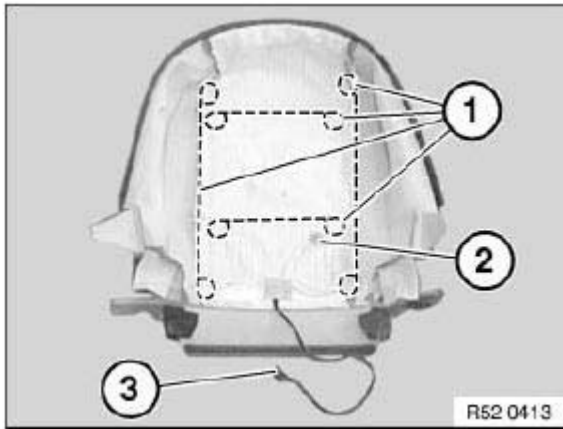


Fig. 55: Identifying Trim Threads And Seat Cover
 Courtesy of BMW OF NORTH AMERICA, INC.

16 FRONT SEAT, SPORTS, ELECTRICAL

52 16 .. REMOVING AND INSTALLING/REPLACING ALL TRIMS ON LEFT OR RIGHT SEAT RAILS

Operation is identical to:

Removing all trims on left or right seat rail. See **52 17 .. Removing and installing/replacing all trims on left or right seat rails**.

52 16 .. REMOVING AND INSTALLING/REPLACING GUIDE FOR FRONT LEFT OR RIGHT HEAD RESTRAINT

Operation is identical to:

- Removing guide for front head restraint. See **52 14 .. Removing and Installing/Replacing Guide For Front Left Or Right Head Restraint**.

52 16 .. REPLACING PADDING FOR FRONT SEAT THIGH SUPPORT

Release screws (1).

Installation:

Insert screws (1) with Loctite.

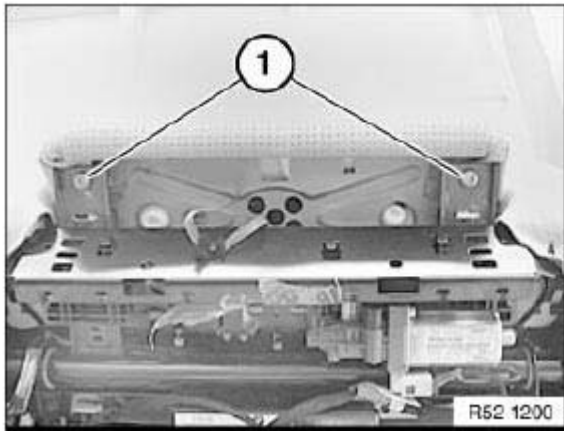


Fig. 56: Identifying Screws

Courtesy of BMW OF NORTH AMERICA, INC.

Unhook seat cover (1) from marked area.

Remove carrier (2) for thigh support.

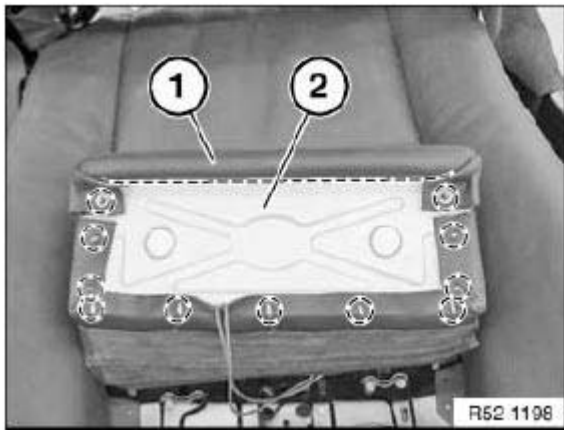


Fig. 57: Identifying Seat Cover Carrier

Courtesy of BMW OF NORTH AMERICA, INC.

For seat heating optional extra only:

Carefully detach felt (1) from thigh support.

Unfasten plug connection (2) and disconnect.

Installation:

Ensure correct cable routing.

Remove padding from cover.

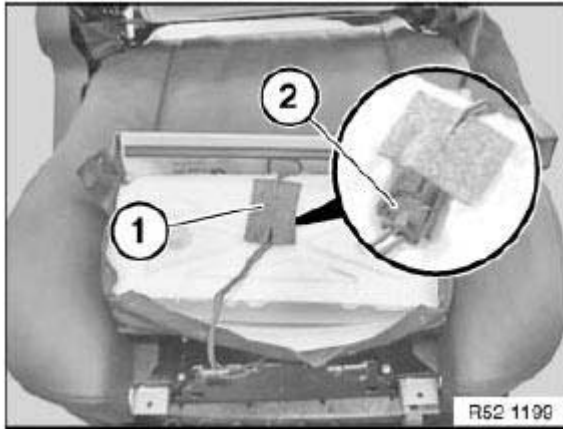


Fig. 58: Identifying Plug Connection

Courtesy of BMW OF NORTH AMERICA, INC.

52 16 000 REMOVING AND INSTALLING LEFT OR RIGHT FRONT SEAT

Operation is identical to:

Replacing left or right front seat (normal/electric). See **52 14 000 Removing and Installing Left Or Right Front Seat.**

52 16 010 REMOVING AND INSTALLING/REPLACING BOTH SEAT RAILS ON LEFT OR RIGHT FRONT SEAT

Operation is identical to:

Replacing both seat rails on left or right front seat (normal/electric). See **52 14 010 Removing and Installing/Replacing Both Seat Rails On Left Or Right Front Seat (Normal/Electric).**

52 16 020 REMOVING AND INSTALLING/REPLACING SEAT FRAME ON LEFT OR RIGHT FRONT SEAT

Operation is identical to:

Replacing seat frame on left or right front seat (normal/electric). See **52 14 020 Removing and Installing/Replacing Seat Frame On Left Or Right Front Seat (Normal/Electric).**

52 16 023 REMOVING AND INSTALLING/REPLACING ADJUSTING UNIT FOR THIGH SUPPORT ON LEFT OR RIGHT FRONT SEAT

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and Installing Left Or Right Front Seat.**

Move thigh support forwards as far as possible.

Unfasten plug connection (1) and disconnect.

Release screws (2).

Installation:

Insert screws (2) with Loctite.

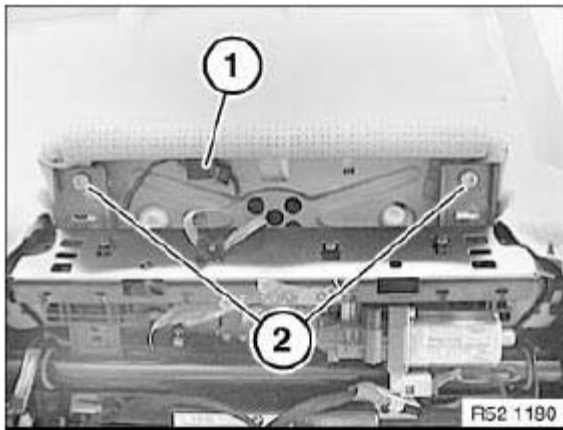


Fig. 59: Identifying Plug Connection And Screws
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws in areas (1).

Feed out adjusting unit (2) complete with drive in direction of arrow and remove.

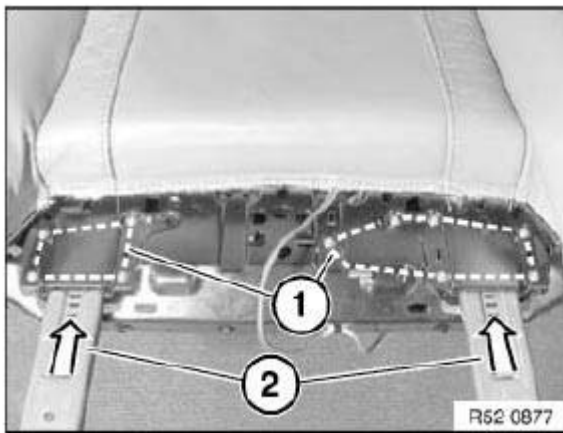


Fig. 60: Identifying Adjusting Unit Screw
Courtesy of BMW OF NORTH AMERICA, INC.

Operation is identical to:

Replacing backrest frame on front seat (comfort). See **52 17 030 Removing and installing/replacing backrest frame on left or right seat (comfort)**.

52 16 040 REMOVING AND INSTALLING/REPLACING OUTER COVER ON LEFT OR RIGHT FRONT SEAT

Operation is identical to:

- Removing and installing/replacing outer cover on left or right front seat. See **52 14 040 Removing and Installing/Replacing Outer Cover On Left Or Right Front Seat**.

52 16 041 REMOVING AND INSTALLING INNER COVER ON LEFT OR RIGHT FRONT SEAT

Operation is identical to:

Replacing inner cover on left or right front seat (normal/electric). See **52 14 041 Removing and Installing Inner Cover On Left Or Right Front Seat**.

52 16 050 REPLACING LUMBAR CUSHION ON FRONT LEFT OR RIGHT SEAT

Operation is identical to:

Replacing lumbar cushion on front left or right seat (normal/electric). See **52 14 050 Replacing Lumbar Cushion On Front Left Or Right Seat**.

52 16 060 REMOVING AND INSTALLING/REPLACING VALVE HOUSING FOR LEFT OR RIGHT FRONT LUMBAR SUPPORT

Operation is identical to:

Replacing valve housing for left or right front lumbar support (normal/electric). See **52 14 060 Removing and Installing/Replacing Valve Housing For Left Or Right Front Lumbar Support (Normal/Electric)**.

52 16 095 REMOVING AND INSTALLING/REPLACING THIGH SUPPORT HOLDER ON FRONT LEFT OR RIGHT SEAT (SPORTS/ELECTRIC)

Necessary preliminary tasks:

- Move thigh support forwards fully

Unfasten plug connection (1) and disconnect.

Release screws (2).

Installation:

Insert screws (2) with Loctite.

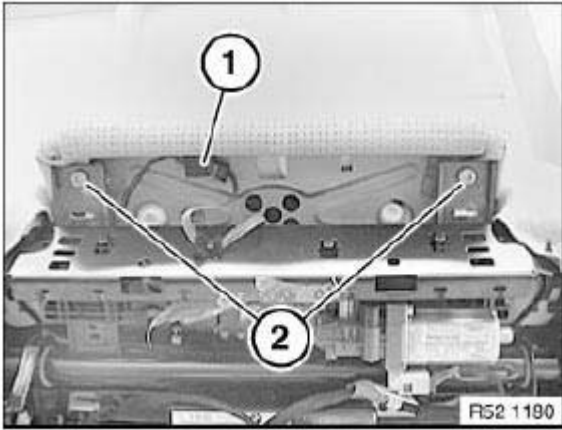


Fig. 61: Identifying Plug Connection And Screws
Courtesy of BMW OF NORTH AMERICA, INC.

Detach seat cover (1) in marked area from carrier (2) for thigh support.

Feed plug out of carrier (2) for thigh support.

Remove carrier (2) for thigh support.

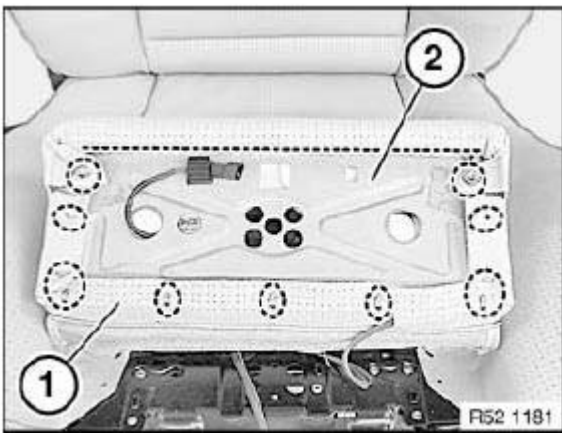


Fig. 62: Identifying Seat Cover Carrier
Courtesy of BMW OF NORTH AMERICA, INC.

52 16 198 REMOVING AND INSTALLING OR REPLACING REAR PANEL ON LEFT OR RIGHT FRONT SEAT BACKREST

Operation is identical to:

Replacing rear panel on left or right front seat backrest (normal/electric). See **52 14 198 Removing and Installing/Replacing Rear Panel On Left Or Right Front Seat Backrest.**

52 16 380 REMOVING AND INSTALLING/REPLACING HEAD RESTRAINT MOUNT ON LEFT OR RIGHT FRONT SEAT

Operation is identical to:

Replacing drive for head restraint adjustment on left or right front seat. See **67 31 570 REMOVING AND INSTALLING/REPLACING DRIVE UNIT FOR HEAD RESTRAINT HEIGHT ADJUSTMENT ON LEFT OR RIGHT FRONT SEAT** .

52 16 390 REMOVING AND INSTALLING OR REPLACING FRONT LEFT OR RIGHT HEAD RESTRAINT

Operation is identical to:

Replacing front left or right head restraint (normal/electric). See **52 14 390 Removing and Installing Or Replacing Front Left Or Right Head Restraint**.

52 16 400 REMOVING AND INSTALLING/REPLACING SEAT COVER FOR LEFT OR RIGHT FRONT SEAT (SPORT/ELECTRIC)

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and Installing Left Or Right Front Seat**.
- Remove rear panel on front seat backrest. See **52 16 198 Removing and Installing Or Replacing Rear Panel On Left Or Right Front Seat Backrest**.
- Remove inner cover on front seat. See **52 14 041 Removing and Installing Inner Cover On Left Or Right Front Seat**.
- Remove switch combination for seat adjustment. See **61 31 203 REPLACING SWITCH COMBINATION FOR SEAT ADJUSTMENT** .

WARNING: US/CDN front passenger seat (with OC3 mat) only:

To avoid damaging the OC3 mat, it is essential to carry out the following operations with extra care.

When replacing seat cover:

If seat cover is defective, seat cover and padding with OC3 mat must be replaced together.

New seat cover is supplied with padding, OC3 mat and if necessary seat heating.

When replacing padding with OC3 mat:

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If OC3 mat or padding is defective, both parts may only be replaced together.

Both parts must be fitted with the seat cover from the vehicle.

Enabling seat occupancy detector (OC3 mat):

- Connect BMW diagnosis system
- Release seat occupancy detector
- Clear fault memory if necessary

Unclip cover (1) on front seat.

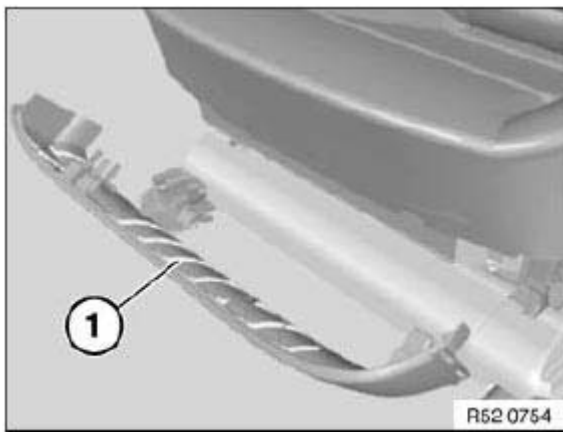


Fig. 63: Identifying Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1).

Disconnect plug connections (2) and detach cable.

Remove thigh support (3) towards top.

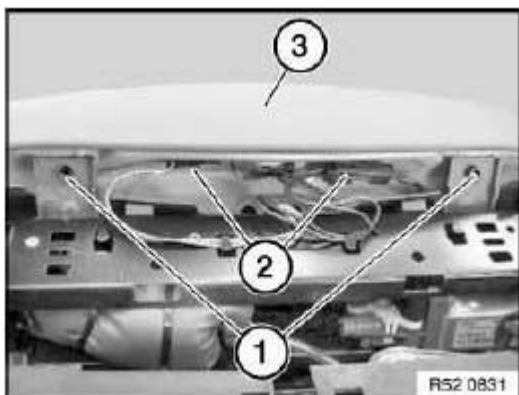


Fig. 64: Identifying Plug Connections And Screw
Courtesy of BMW OF NORTH AMERICA, INC.

Detach seat cover (1) in marked area on left and right.

Lever out left and right clips (2).

Installation:

If necessary, replace faulty clips.

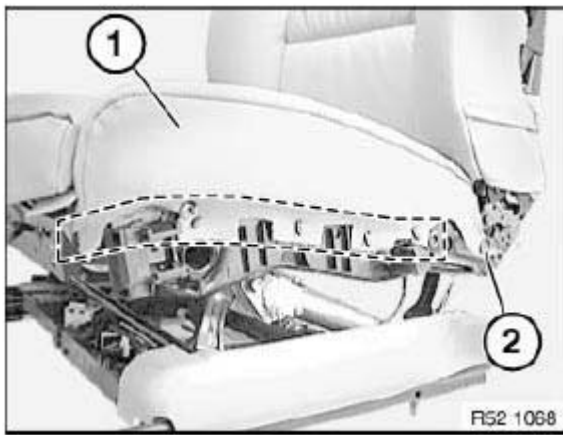


Fig. 65: Identifying Clips
Courtesy of BMW OF NORTH AMERICA, INC.

Unhook seat cover (1) in area (2).

Disconnect plug connection (3).

Remove seat cover (1) complete with support.

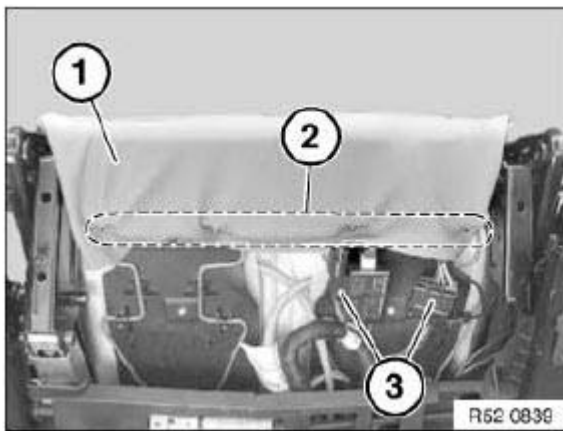


Fig. 66: Identifying Cover Area Connections

Courtesy of BMW OF NORTH AMERICA, INC.

Version with OC3 mat:

- OC3 mat must not be kinked under any circumstances.

Detach all retainers in side area from longitudinal wires (1).

Pull trim wires (1) forward out of seat cover.

Carefully fold back seat cover and release retainers from cross - wires (2).

Remove seat cover from padding.

IMPORTANT: Remove all remnants of clips from seat cover and padding.

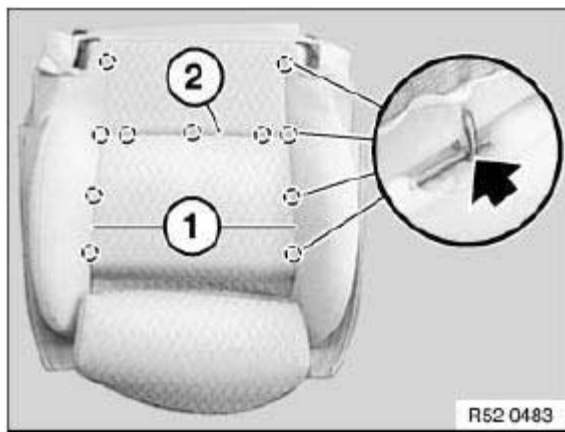


Fig. 67: Identifying Longitudinal Wires And Trim Wires
Courtesy of BMW OF NORTH AMERICA, INC.

Detach cable strap (3).

Unlock plug connection (4) and disconnect.

Detach seat cover (2) in marked area from thigh support (1).

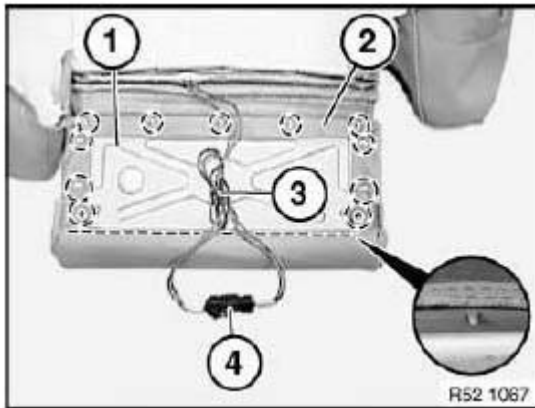


Fig. 68: Identifying Cable Strap

Courtesy of BMW OF NORTH AMERICA, INC.

Padding (1) with OC3 mat (2).

IMPORTANT: No retainer remainders may be fitted as well.
 Handle OC3 mat with extreme care.
 Do not kink OC3 mat.
 Do not clamp OC3 mat.
 OC3 mat must lie without folds under seat cover.

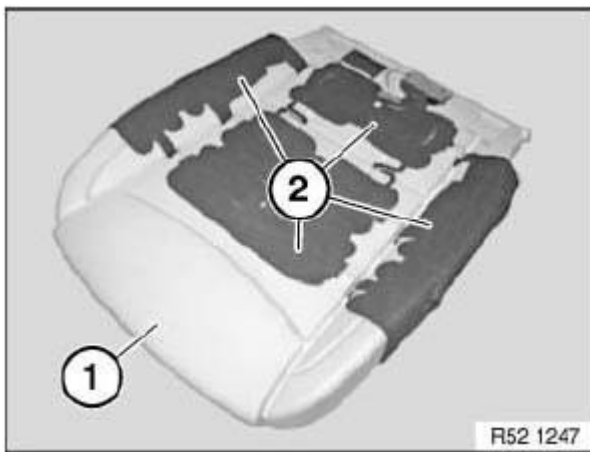


Fig. 69: Identifying Padding With OC3 Mat

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Bend new retainers closed with pliers 52 0 050. See **52 0 050 PLIERS** .

1. Padding
2. Retainer

3. Trim wire in padding
4. Trim thread in cover
5. Seat cover

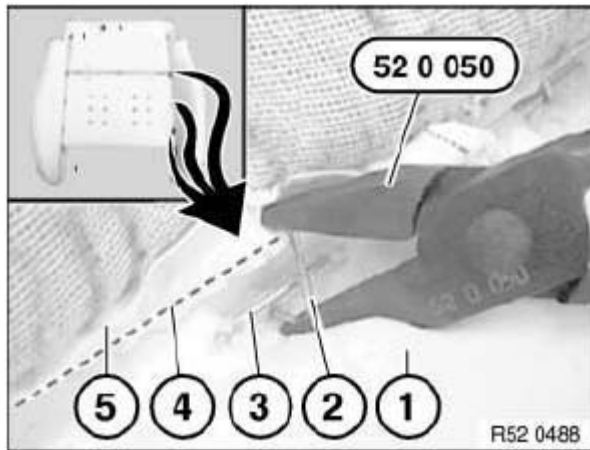


Fig. 70: Identifying Special Tool (52 0 050)
 Courtesy of BMW OF NORTH AMERICA, INC.

Replacing seat cover:

Pull trim threads (1) out of seat cover (2).

Installation:

Slide trim threads (1) into new seat cover (2). If necessary, cut mounting for trim threads.

(3) Seat heater cable

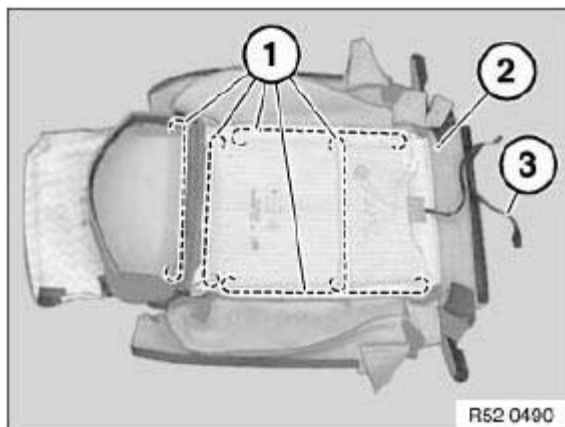


Fig. 71: Pulling Trim Threads
 Courtesy of BMW OF NORTH AMERICA, INC.

52 16 405 REPLACING BACKREST COVER FOR LEFT OR RIGHT FRONT SEAT**Special tools required:**

- 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)** .
- 52 0 050. See **52 0 050 PLIERS** .

Necessary preliminary tasks:

- Remove front seat. See **52 16 000 Removing and Installing Left Or Right Front Seat.**
- Remove rear panel on front seat backrest. See **52 16 198 Removing and Installing Or Replacing Rear Panel On Left Or Right Front Seat Backrest.**

Detach plug connection (1) by twisting from backrest frame.

Disconnect plug-in connection.

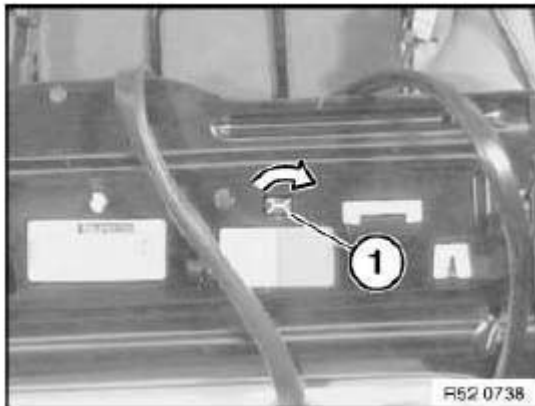


Fig. 72: Detaching Plug Connection

Courtesy of BMW OF NORTH AMERICA, INC.

Release all retainers (1) on cover.

Remove cover.

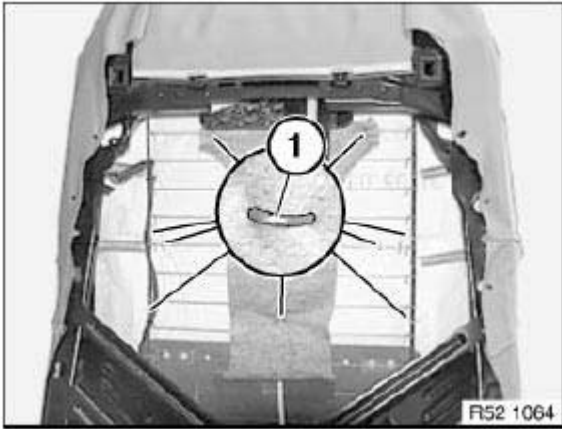


Fig. 73: Identifying Retainers

Courtesy of BMW OF NORTH AMERICA, INC.

For A/C optional extra only:

Disconnect cable strap (1) on wiring harness for fan.

Disconnect plug connections (2).

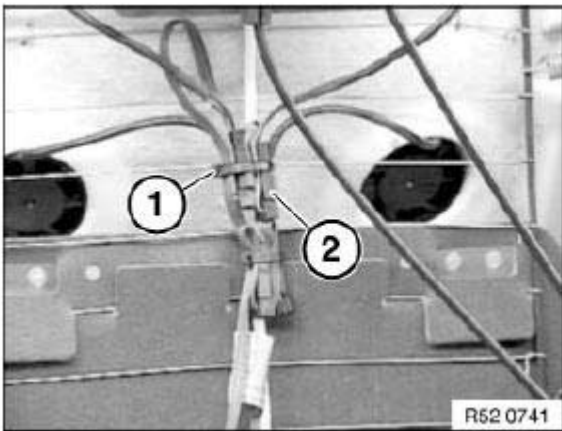


Fig. 74: Identifying Cable Strap And Plug Connections

Courtesy of BMW OF NORTH AMERICA, INC.

Unhook backrest cover at retaining points in area (1).

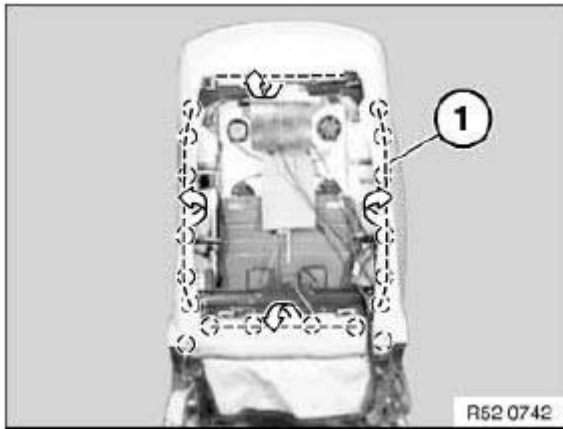


Fig. 75: Identifying Unhook Backrest Cover At Retaining Points
Courtesy of BMW OF NORTH AMERICA, INC.

Unhook backrest cover (1) at bottom and sides towards front.

Pull off backrest cover (1) with padding towards top from backrest frame (2).

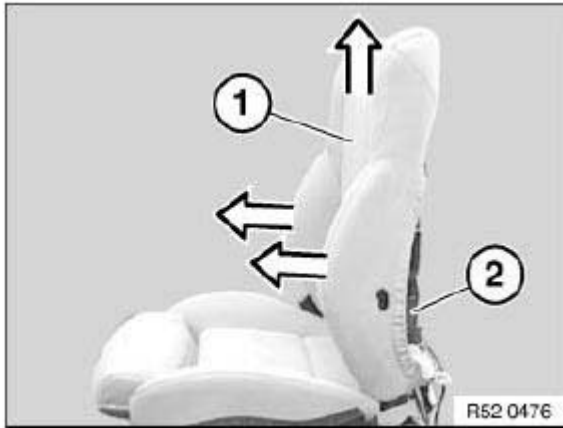


Fig. 76: Identifying Backrest Cover
Courtesy of BMW OF NORTH AMERICA, INC.

Release all retainers.

Remove backrest cover (1) from padding.

Remove all remnants of clips from backrest cover (1) and padding.

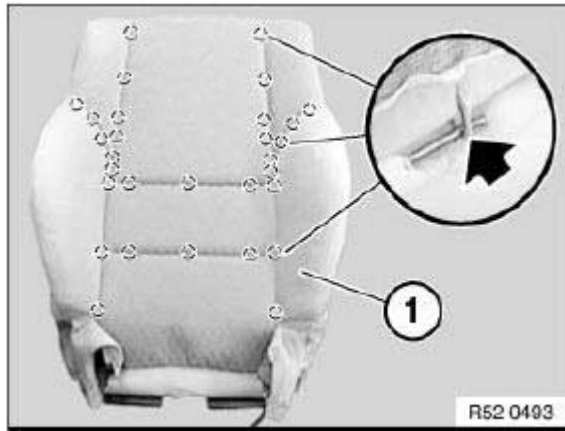


Fig. 77: Identifying Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Bend new retainer (2) closed with pliers 52 0 050. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in backrest cover
5. Backrest cover

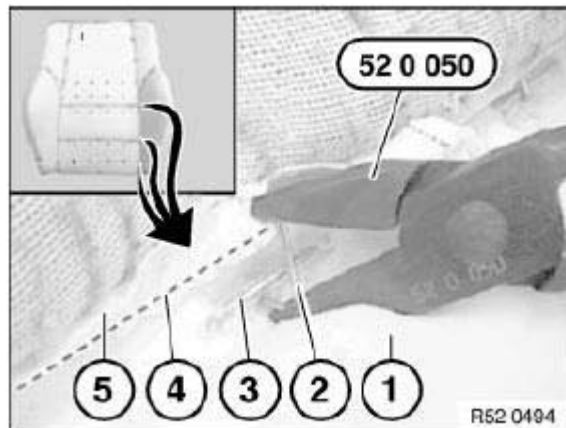


Fig. 78: Identifying Special Tool (52 0 050)

Courtesy of BMW OF NORTH AMERICA, INC.

Remove trim threads (1) from backrest cover.

Installation:

Push trim threads (1) into new backrest cover.

If necessary, cut into new component.

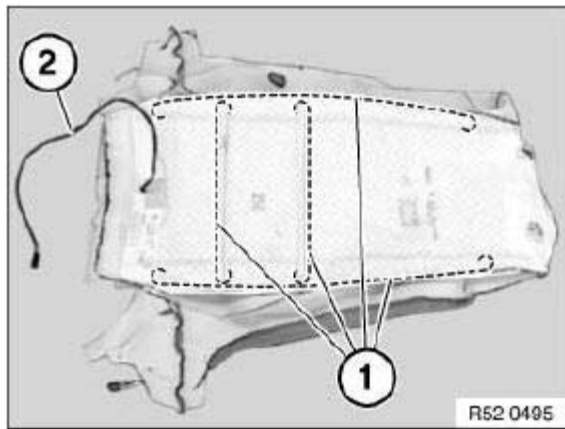


Fig. 79: Identifying Trim Threads

Courtesy of BMW OF NORTH AMERICA, INC.

Lever out locking strip of head restraint guide with special tool 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)**.

Installation:

Mount straight front face of head restraint guide towards front.

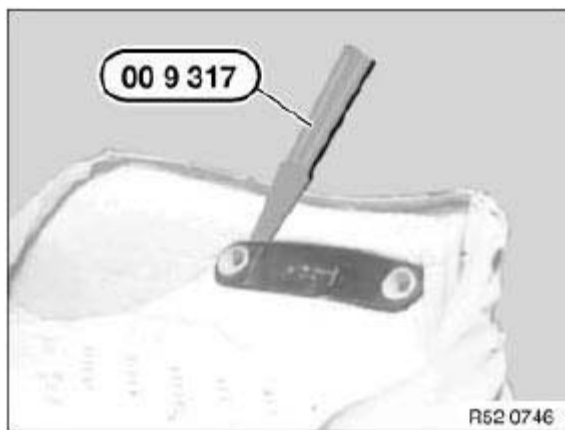


Fig. 80: Identifying Special Tool (00 9 317)

Courtesy of BMW OF NORTH AMERICA, INC.

WARNING: US/CDN front passenger seat (with OC3 mat) only:
The padding can only be removed in conjunction with the OC3 mat.
If padding is defective, both parts may only be replaced together
After fitting new padding, enable OC3 mat with BMW diagnosis system.

The operation for removing the padding with/without OC3 mat is described in:

- Replacing seat cover for front seat. See **52 16 400 Removing and Installing/Replacing Seat Cover For Left Or Right Front Seat (Sport/Electric)**.

Enabling seat occupancy detector (OC3 mat):

- Connect BMW diagnosis system
- Release seat occupancy detector
- Clear fault memory if necessary

52 16 420 REPLACING PADDING FOR LEFT OR RIGHT FRONT SEAT BACKREST (NORMAL/SEMI-ELECTRIC)

Operation is described in:

Remove backrest cover for front seat. See **52 13 405 Replacing Backrest Cover For Left Or Right Front Seat (Normal/Semi-Electric)**.

17 FRONT SEAT, COMFORT

52 14 .. REMOVING AND INSTALLING OUTER UPPER RAIL TRIM WITH ELECTRIC ANCHOR FITTING TENSIONER (FROM 04/2004)

Driver's seat only:

NOTE: Version with anchor fitting tensioner from 04/2004.

Lever trim (3) out of seat mechanism:

1. upwards,
2. slide towards rear

and feed out of anchor fitting tensioner.

Installation:

Secure plug connection with felt strip against unlocking.

2411 of 3160

Lock on plug connection to anchor fitting tensioner can be unlocked when trim is fitted.

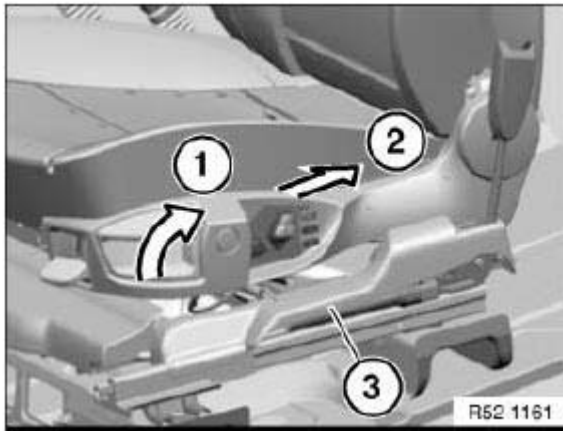


Fig. 81: Identifying Trim

Courtesy of BMW OF NORTH AMERICA, INC.

52 17 .. REMOVING AND INSTALLING/REPLACING ALL TRIMS ON LEFT OR RIGHT SEAT RAILS

Trim, top rail, front:

- Move seat backwards and upwards
- Unclip front trim (1) towards top and detach towards top

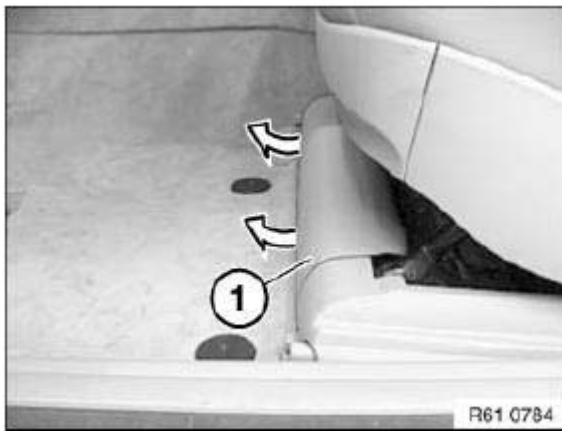
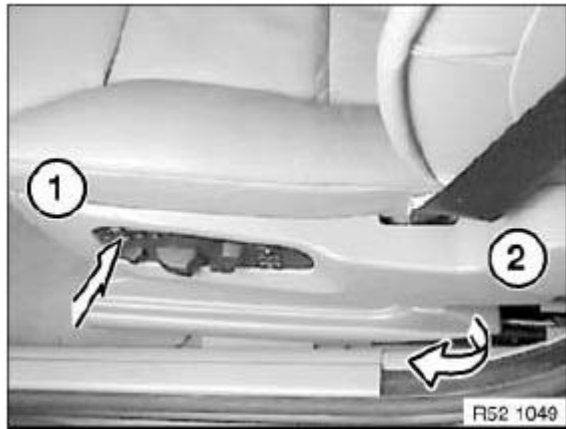


Fig. 82: Identifying Front Trim

Courtesy of BMW OF NORTH AMERICA, INC.

Trim, top rail, outer:

1. Move seat forwards and upwards
2. Unclip front trim towards top and detach towards rear

**Fig. 83: Unclipping Front Trim**

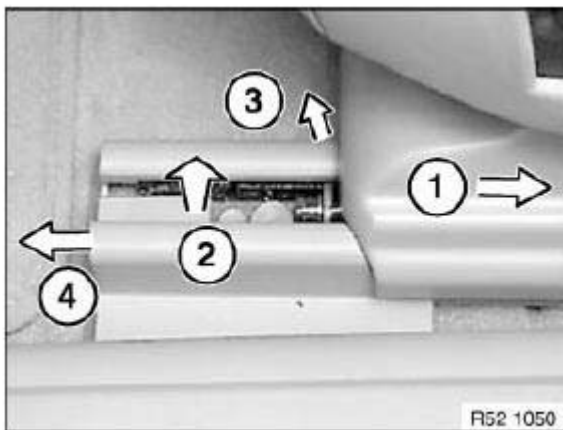
Courtesy of BMW OF NORTH AMERICA, INC.

Trim, bottom rail, front:

1. Move seat backwards
2. Unclip trim tongue towards top, sliding trim towards front slightly
3. Pull inside surface of trim inwards slightly and unclip
4. Detach trim towards front from bottom rail

Installation:

Place trim on bottom rail and slide towards rear to engage, feeding in below trim, top rail, outer.

**Fig. 84: Detaching Trim**

Courtesy of BMW OF NORTH AMERICA, INC.

Trim, bottom rail, rear:

1. Move seat forwards

2. Unclip trim tongue towards top
3. Pull inside surface of trim inwards
4. Detach trim towards rear from bottom rail

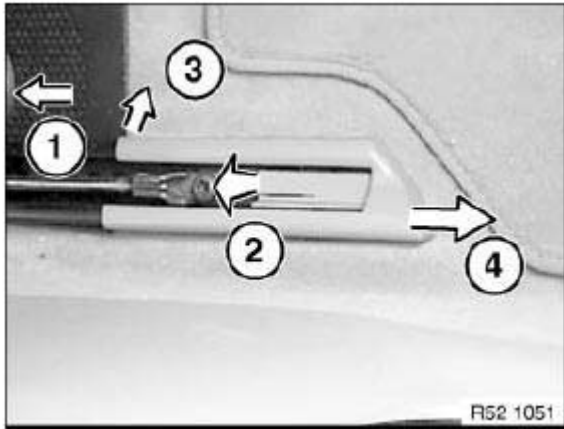


Fig. 85: Pulling Inside Surface Of Trim Inwards
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Clips and hooks must not be damaged.

Make sure trims are exactly seated.

After completing tasks, move seat and make sure that trim does not move.

52 17 .. REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT THIGH SUPPORT

Release screws (1).

Disconnect plug connections (2).

Remove thigh support (3) towards top.

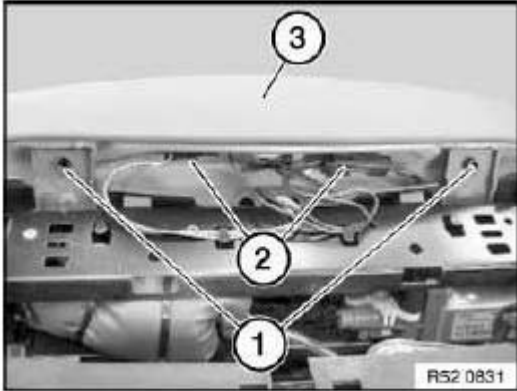


Fig. 86: Identifying Plug Connections And Screw
Courtesy of BMW OF NORTH AMERICA, INC.

If necessary, unclip trim (1) towards top and remove.

Installation:

Secure guide pins (2) in seat frame and clip trim (1) into place.

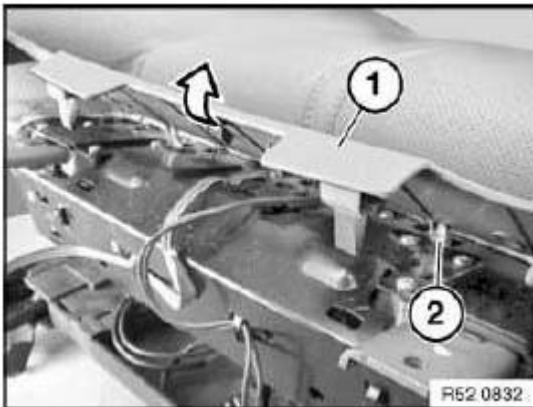


Fig. 87: Unclipping Trim
Courtesy of BMW OF NORTH AMERICA, INC.

52 17 .. REPLACING PADDING FOR FRONT SEAT THIGH SUPPORT

Necessary preliminary tasks:

- Remove thigh support. See 52 17 .. Removing and Installing/Replacing Left Or Right Thigh Support.

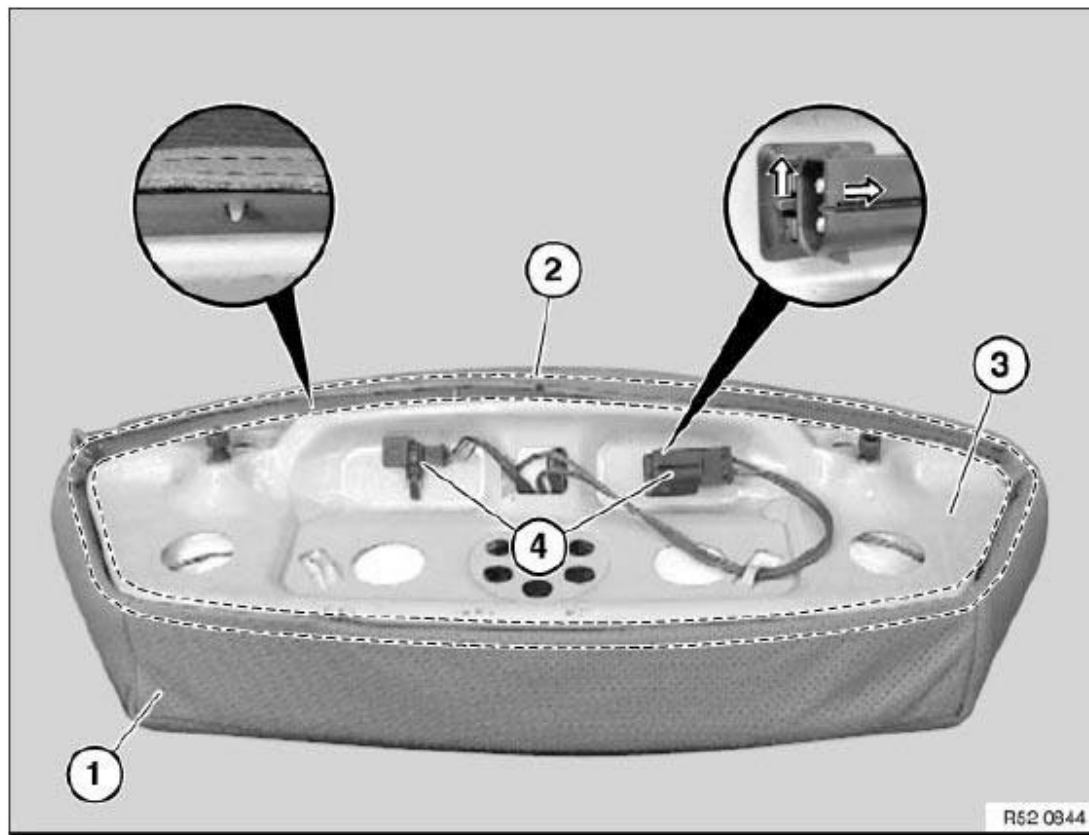


Fig. 88: Identifying Plug Connections

Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Picture shows versions with air conditioning and seat heating.

Feed out seat cover (1) in area (2).

Installation:

Seat cover (1) is fastened by hooks in trim (3).

Remove plug connections (4) and feed out through trim (3).

Remove trim (3); if necessary, remove padding or cover.

Version with seat heating or air conditioning:

Feed out cable (1) and remove padding (2).

Installation:

Ensure correct cable routing (1).

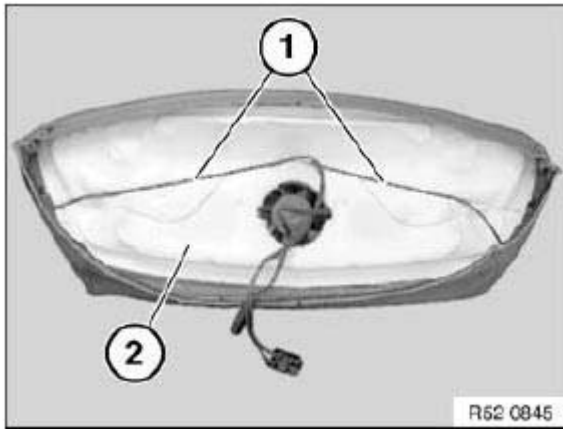


Fig. 89: Identifying Cable Routing

Courtesy of BMW OF NORTH AMERICA, INC.

Version with air conditioning:

- Remove separating net (1).
- Lift out fan (2).

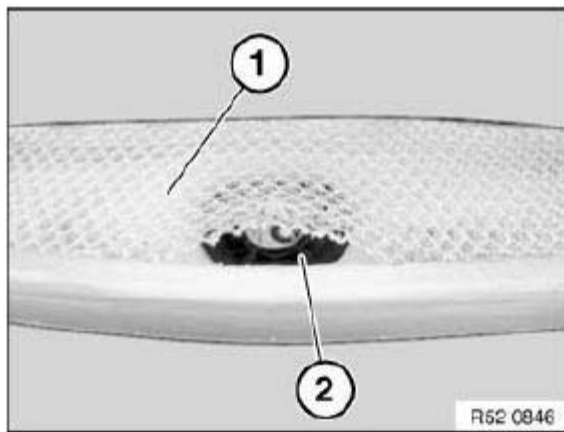


Fig. 90: Identifying Separating Net And Fan

Courtesy of BMW OF NORTH AMERICA, INC.

52 17 000 REMOVING AND INSTALLING LEFT OR RIGHT FRONT SEAT (COMFORT)

This operation is identical to:

Removing and installing front seat (normal/electric), left or right. See **52 14 000 Removing and Installing Left Or Right Front Seat**.

52 17 020 REMOVING AND INSTALLING/REPLACING SEAT FRAME ON LEFT OR RIGHT FRONT SEAT (COMFORT)

Necessary preliminary tasks:

- Remove front seat. See **52 17 000 Removing and Installing Left Or Right Front Seat (Comfort)**.
- Remove seat cover. See **61 31 203 REPLACING SWITCH COMBINATION FOR SEAT ADJUSTMENT**.
- Remove backrest frame on front seat. See **52 17 030 Removing and installing/replacing backrest feame on left or right seat (comfort)**.
- If necessary, remove drive unit for active seat. See **52 14 023 Removing and Installing / Replacing Drive For Left Or Right Active Seat**.

Remove wiring harness (1) from seat frame (2).

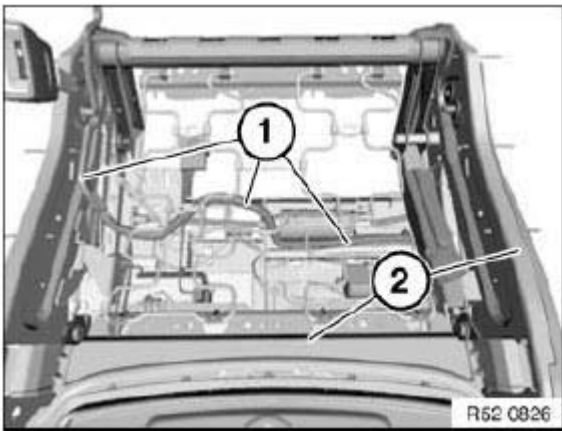


Fig. 91: Identifying Wiring Harness And Seat Frame
Courtesy of BMW OF NORTH AMERICA, INC.

Release rivets (1) on left and right, remove fastening strips (2) on left and right.

Release screws (3).

Tightening torque 52 10 6AZ. See **52 10 FRONT SEATS**.

Remove seat frame.

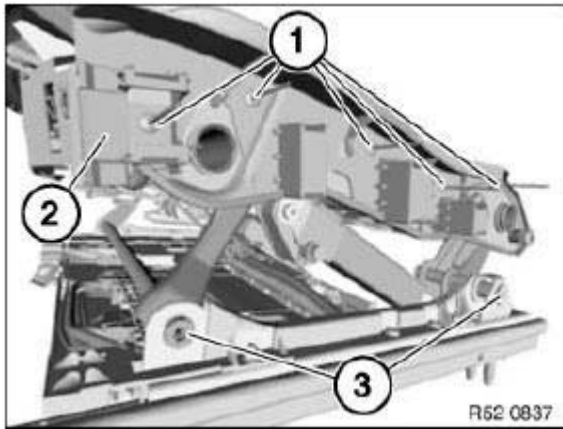


Fig. 92: Identifying Seat Frame Screw

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

When replacing backrest or seat frame, break off centring hooks (1) from seat frame.

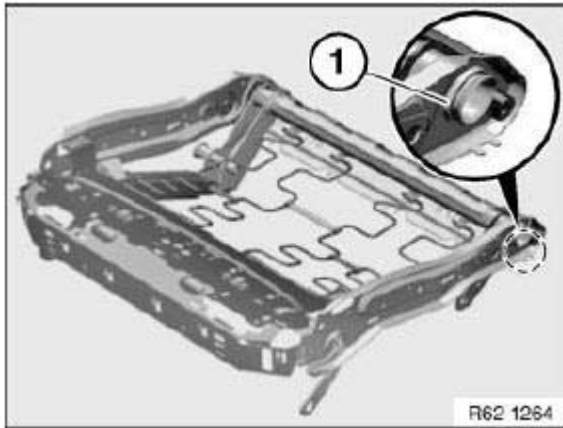


Fig. 93: Identifying Centring Hooks

Courtesy of BMW OF NORTH AMERICA, INC.

The new seat frame part contains all the drives.

52 17 023 REMOVING AND INSTALLING/REPLACING ADJUSTING UNIT FOR THIGH SUPPORT ON LEFT OR RIGHT FRONT SEAT

Necessary preliminary tasks:

- Remove front seat. See **52 17 000 Removing and Installing Left Or Right Front Seat (Comfort)**.
- Remove thigh support. See **52 17 .. Removing and Installing/Replacing Left Or Right Thigh Support**.

Move thigh support forwards as far as possible.

Release screws (1).

Detach compressor (2) complete with holder (3) in direction of arrow.

Installation:

Attach holder (3) in area (5).

Disconnect plug connection (4) on drive.

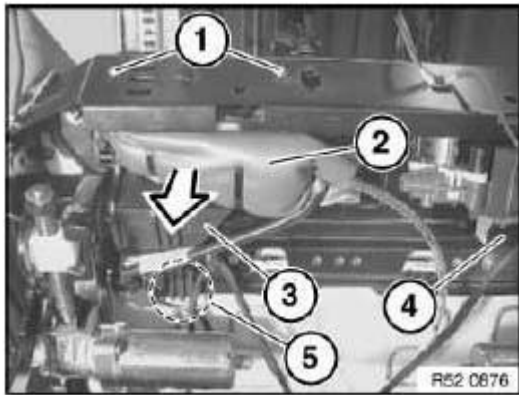


Fig. 94: Detaching Compressor With Holder
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws in areas (1).

Feed out adjusting unit (2) complete with drive in direction of arrow and remove.

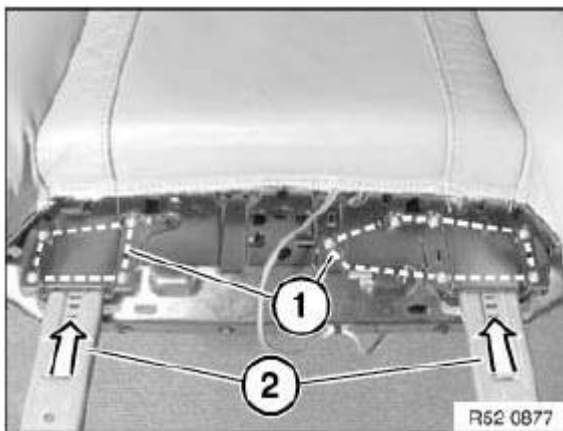


Fig. 95: Identifying Adjusting Unit Screw
Courtesy of BMW OF NORTH AMERICA, INC.

52 17 030 REMOVING AND INSTALLING/REPLACING BACKREST FEAME ON LEFT OR RIGHT SEAT (COMFORT)

Necessary preliminary tasks:

- Remove front seat. See **52 17 000 Removing and Installing Left Or Right Front Seat (Comfort)**.
- Remove backrest cover for front seat. See **52 17 405 Replacing backrest cover for left or right front seat (comfort)**.
- Remove head restraint support on front seat. See **52 17 380 Removing and installing/replacing head restraint mount on left or right front seat (comfort)**.

Release all cable ties on wiring harness (1).

Disconnect all marked plug connections.

Feed through wiring harness (1) at bottom right on backrest frame.

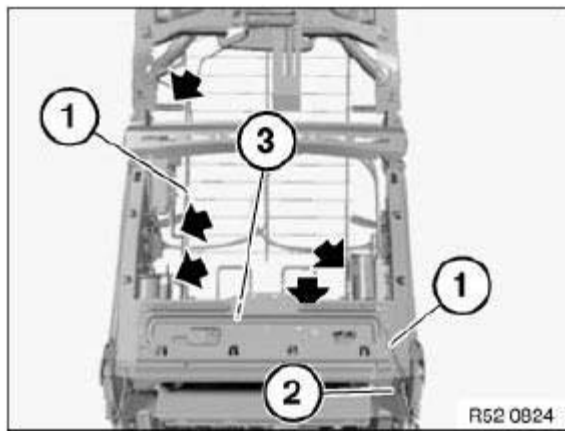


Fig. 96: Identifying Adjusting Unit And Screw
Courtesy of BMW OF NORTH AMERICA, INC.

Unclip left and right clips (1).

Unhook seat covers (2) on left and right.

Release left and right screws (3).

Tightening torque 52 10 2AZ. See **52 10 FRONT SEATS**

If necessary, remove lumbar cushion with drive and valve block.

Remove backrest frame.

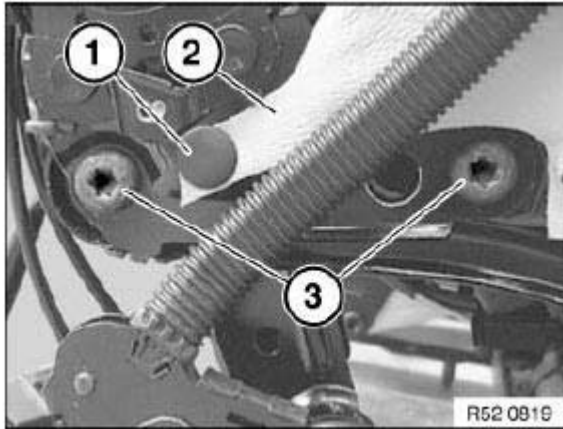


Fig. 97: Identifying Adjusting Unit And Screw
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

When replacing backrest or seat frame, break off centring hooks (1) from seat frame.

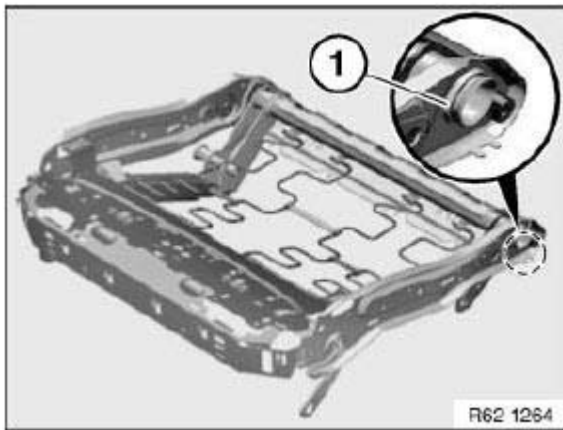


Fig. 98: Identifying Centring Hooks
Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: The new backrest frame part contains all the drives.
Before installing, check whether backrest frame has a date of manufacture after September 2004.

52 17 034 REMOVING AND INSTALLING/REPLACING SHAFT FOR HEAD RESTRAINT ADJUSTMENT

Necessary preliminary tasks:

- Remove front seat. See **52 17 000 Removing and Installing Left Or Right Front Seat (Comfort)**.

- Remove both rear panels. See **52 17 205 Removing and installing/replacing both rear panels on left or right front seat backrest.**
- Remove inner cover. See **52 17 041 Removing and installing/replacing inner cover on left or right front seat (comfort).**
- Remove active head restraint support. See **52 17 380 Removing and installing/replacing head restraint mount on left or right front seat (comfort).**

Bend shaft (1) in direction of arrow.

Pull shaft (1) out of gear (2) and remove.

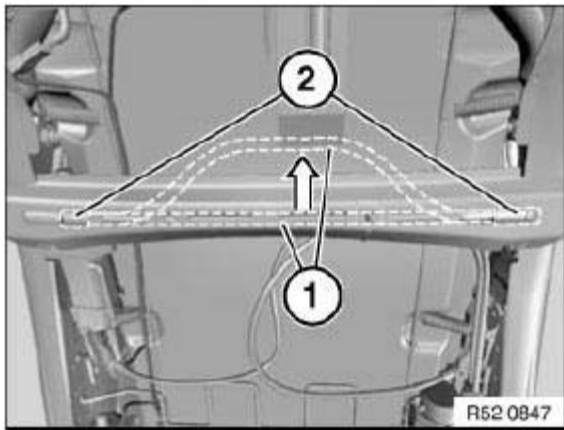


Fig. 99: Pulling Shaft

Courtesy of BMW OF NORTH AMERICA, INC.

52 17 035 REMOVING AND INSTALLING/REPLACING GEARING FOR HEAD RESTRAINT ADJUSTMENT

Necessary preliminary tasks:

- Remove shaft for head restraint adjustment. See **52 17 034 Removing and Installing/Replacing Shaft For Head Restraint Adjustment.**

Remove retainer (1) on left and right.

Remove gearing (2) on left and right straight towards front.

Installation:

To ensure identical adjustment of gearings (2), carry out following work step on both gearings:

- Unscrew component (4) until threaded rod (5) is flush with edge (3).

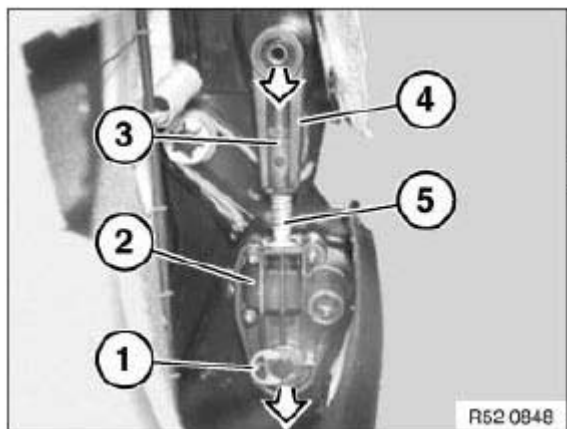


Fig. 100: Identifying Retainer And Gearing
Courtesy of BMW OF NORTH AMERICA, INC.

52 17 040 REMOVING AND INSTALLING/REPLACING OUTER COVER ON LEFT OR RIGHT FRONT SEAT

NOTE: Operation is identical to:

- Removing and installing/replacing outer cover on left or right front seat. See **52 14 040 Removing and Installing/Replacing Outer Cover On Left Or Right Front Seat.**

52 17 041 REMOVING AND INSTALLING/REPLACING INNER COVER ON LEFT OR RIGHT FRONT SEAT (COMFORT)

This operation is identical to:

Replacing cover on inner front seat (normal/electric). See **52 14 041 Removing and Installing Inner Cover On Left Or Right Front Seat.**

52 17 050 REPLACING LUMBAR CUSHION ON LEFT OR RIGHT FRONT SEAT (COMFORT)

This operation is identical to:

Replacing lumbar cushion on front seat (normal/electric). See **52 14 050 Replacing Lumbar Cushion On Front Left Or Right Seat.**

52 17 054 REMOVING AND INSTALLING/REPLACING ADJUSTING UNIT FOR BACKREST WIDTH ADJUSTMENT ON LEFT OR RIGHT FRONT SEAT

Necessary preliminary tasks:

- Remove front seat. See **52 17 000 Removing and Installing Left Or Right Front Seat (Comfort).**

- Remove both rear panels on front seat backrest. See 52 17 205 Removing and installing/replacing both rear panels on left or right front seat backrest.
- Remove inner cover on front seat. See 52 17 041 Removing and Installing/Replacing Inner Cover On Left Or Right Front Seat (Comfort).
- Remove backrest cover for front seat. See 52 17 405 Replacing backrest cover for left or right front seat (comfort).

Release cable tie (1).

Installation:

Lay cables (3) without kinks.

Disconnect plug connection (2) on drive.

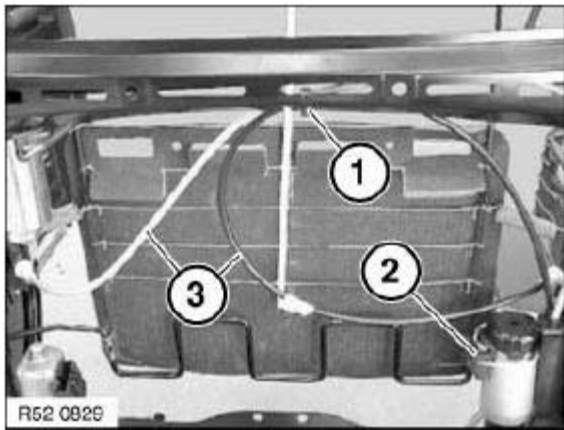


Fig. 101: Identifying Cable Tie

Courtesy of BMW OF NORTH AMERICA, INC.

Release rivets (1) on left and right and remove adjusting elements (3).

Release rivets (2) for drive.

Remove complete adjusting unit.

NOTE: **Adjusting element (3), cables and drive form a single unit and can only be replaced completely.**

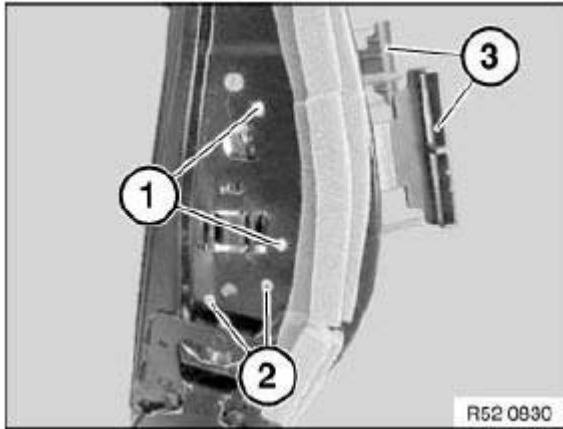


Fig. 102: Identifying Rivets And Element
Courtesy of BMW OF NORTH AMERICA, INC.

52 17 060 REMOVING AND INSTALLING/REPLACING VALVE HOUSING FOR LUMBAR CUSHION (COMFORT)

This operation is identical to:

Replacing valve housing for lumbar cushion (normal/electric). See **52 14 060 Removing and Installing/Replacing Valve Housing For Left Or Right Front Lumbar Support (Normal/Electric)**.

52 17 200 REMOVING AND INSTALLING/REPLACING UPPER REAR PANEL ON LEFT OR RIGHT FRONT SEAT BACKREST

This operation is described in:

Remove both rear panels on front seat backrest. See **52 17 205 Removing and installing/replacing both rear panels on left or right front seat backrest**.

52 17 202 REMOVING AND INSTALLING/REPLACING LOWER REAR PANEL ON LEFT OR RIGHT FRONT SEAT BACKREST

This operation is described in:

Remove both rear panels on front seat backrest. See **52 17 205 Removing and installing/replacing both rear panels on left or right front seat backrest**.

52 17 205 REMOVING AND INSTALLING/REPLACING BOTH REAR PANELS ON LEFT OR RIGHT FRONT SEAT BACKREST

Operation is shown on the left seat. When removing from the right seat, transpose the pull and striking sides accordingly.

1. Grip between rear panel and backrest cover on door side until clip can be felt (do not pull).
2. At same time, firmly punch towards middle of seat on inner side (tunnel side) at top.

Upper retainers spring out of seat guide.

3. Pull upper rear panel up out of lower guides.

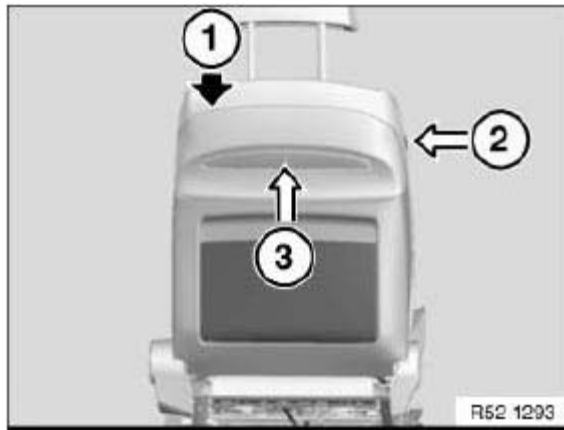


Fig. 103: Pulling Upper Rear Panel Up Out Of Lower Guides
Courtesy of BMW OF NORTH AMERICA, INC.

NOTE:

1. Retainer
2. Guide
3. Upper rear panel

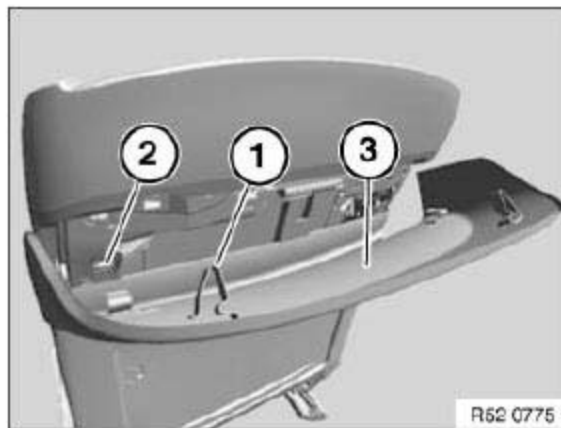


Fig. 104: Identifying Retainer And Guide
Courtesy of BMW OF NORTH AMERICA, INC.

1. Grip between rear panel and backrest cover on door side until clip can be felt (do not pull).
2. At same time, firmly punch towards middle of seat on inner side (tunnel side) at top.

Upper retainers spring out of seat guide.

3. Pull lower rear panel up out of lower guides

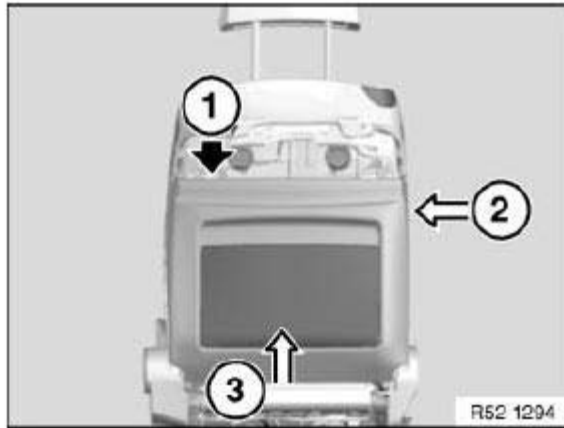


Fig. 105: Pulling Lower Rear Panel Up Out Of Lower Guides
Courtesy of BMW OF NORTH AMERICA, INC.

Unclip springs (1) on left and right.

Remove lower rear panel (3) upwards out of guide (2).

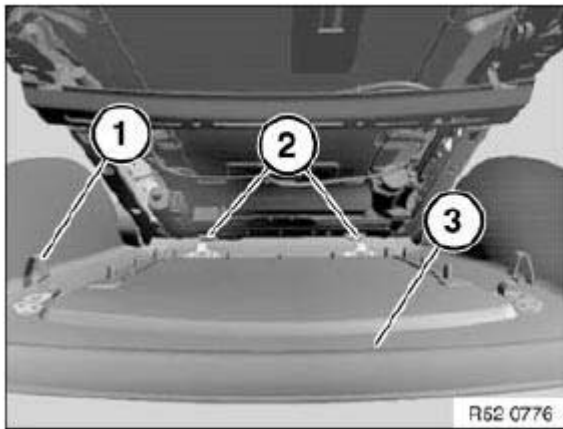


Fig. 106: Identifying Lower Rear Panel And Springs
Courtesy of BMW OF NORTH AMERICA, INC.

Necessary preliminary tasks:

- Remove head restraint. See **52 17 390 Removing and installing/replacing front left or right head restraint (comfort)**.
- Remove both rear panels on front seat backrest. See **52 17 205 Removing and Installing/Replacing Both Rear Panels On Left Or Right Front Seat Backrest**.

Detach retaining points (1).

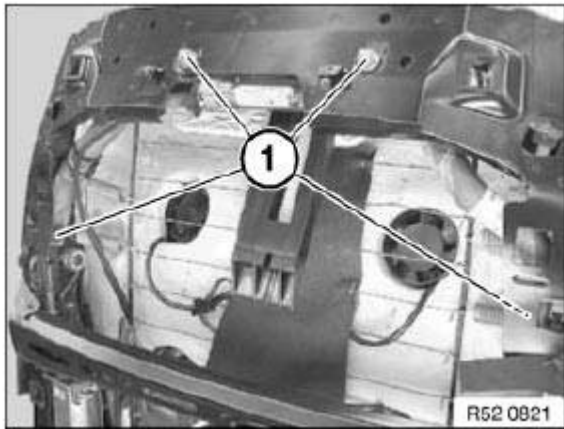


Fig. 107: Identifying Retaining Points
Courtesy of BMW OF NORTH AMERICA, INC.

Release cable tie (1).

Disconnect plug connections (2).

Feed out AKS carrier (3) towards bottom.

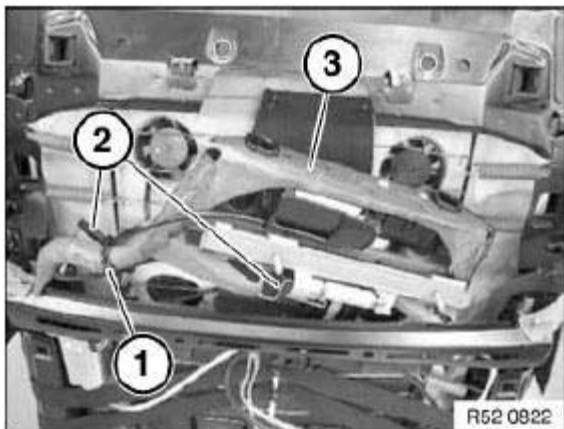


Fig. 108: Identifying Cable Tie And Plug Connections
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1).

Installation:

Guide pins (2) of head restraint mount must engage in openings on AKS carrier.

Feed out head restraint mount (3) sideways.

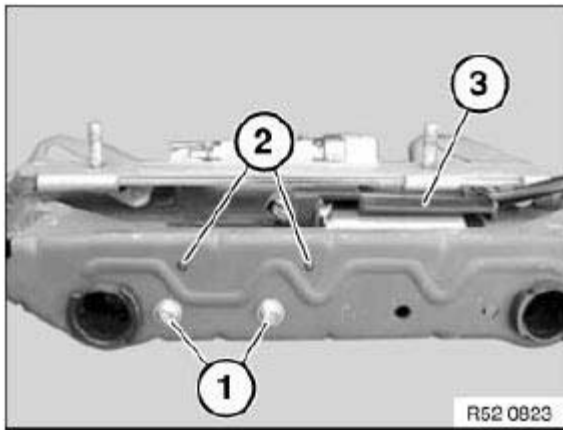


Fig. 109: Identifying Guide Pins Of Head Restraint Mount
Courtesy of BMW OF NORTH AMERICA, INC.

52 17 385 REPLACING GAS CARTRIDGE FOR ACTIVE HEAD RESTRAINT ON LEFT OR RIGHT FRONT SEAT

WARNING: Read and comply with safety regulations for handling airbag modules and pyrotechnical belt tensioners. See **72 SAFETY PRECAUTIONS AND GENERAL INFORMATION**
Improper handling can lead to triggering of the pyrotechnical seat belt tensioner or side airbag, resulting in injuries.

Switch off ignition!

Necessary preliminary tasks:

- Remove head restraint. See **52 17 390 Removing and installing/replacing front left or right head restraint (comfort)**.
- Remove rear panel on front seat backrest. See **52 17 205 Removing and Installing/Replacing Both Rear Panels On Left Or Right Front Seat Backrest**.

Disconnect plug connection on gas cartridge.

Detach retaining points (1).

Slide active head restraint carrier downwards.

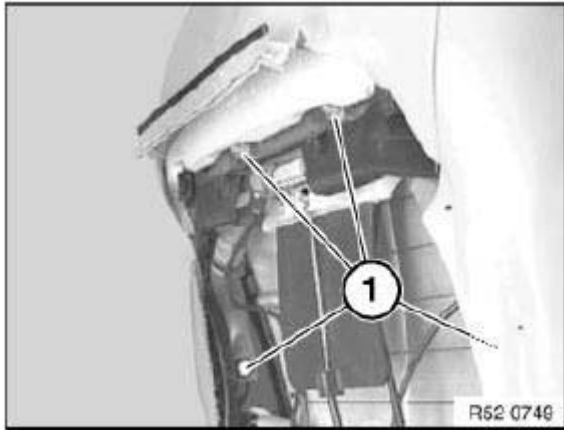


Fig. 110: Identifying Retaining Points
Courtesy of BMW OF NORTH AMERICA, INC.

Release spring clips (1) and (2).

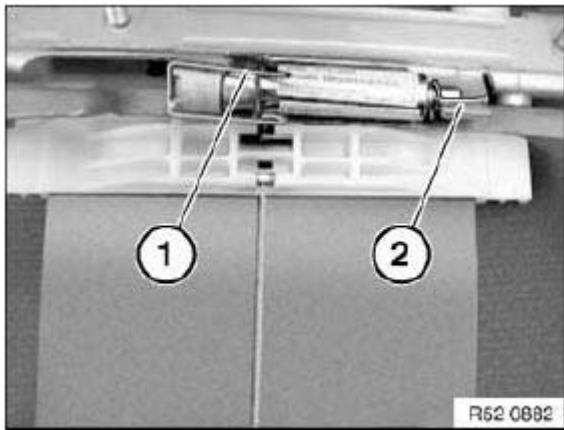


Fig. 111: Identifying Spring Clips
Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1).

Remove gas cartridge complete with holder (2).

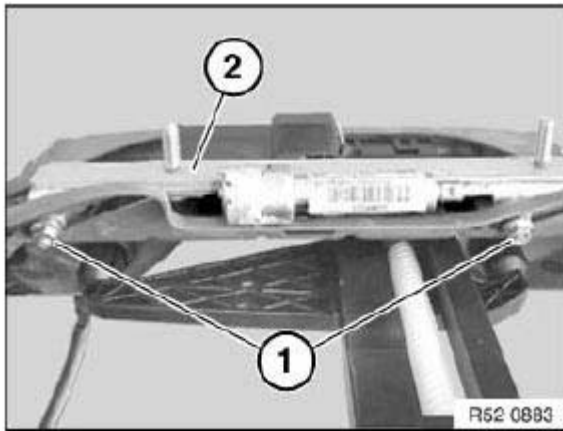


Fig. 112: Identifying Gas Cartridge With Holder
 Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1) on left and right.

Installation:

Insert screws (1) with Loctite.

Tightening torque 52 12 03AZ. See **52 10 FRONT SEATS** .

Slide top rail (3) off bottom rail (2).

Remove gas cartridge (4).

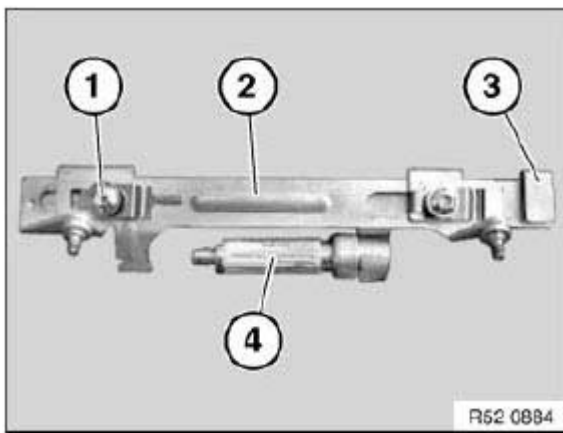


Fig. 113: Identifying Gas Cartridge And Rail
 Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Gas cartridge (1) is secured in holder by guide lug (2).

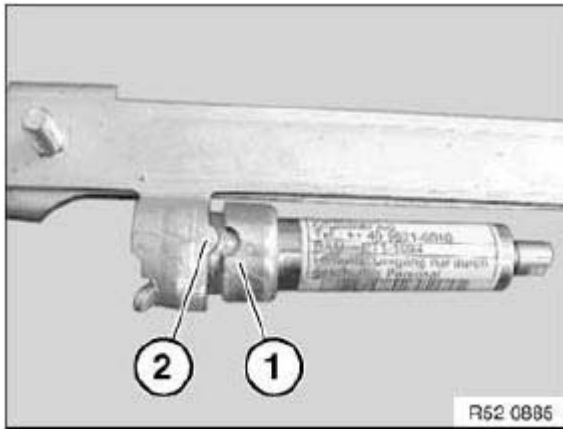


Fig. 114: Identifying Gas Cartridge And Guide Lug
Courtesy of BMW OF NORTH AMERICA, INC.

Procedure after triggered active head restraint:

- Push head restraint back into original position.
- Insert new gas cartridge with spring clips.

NOTE: **The gas cartridge may be replaced up to 5 times.**
 Then the backrest must be replaced.
 Number of triggerings are stored in the control unit.

52 17 390 REMOVING AND INSTALLING/REPLACING FRONT LEFT OR RIGHT HEAD RESTRAINT (COMFORT)

Move headrest up as far as possible.

Pull out forcefully.

Installation:

Position adjustment drive briefly before upper stop.

Press in head restraint until it clicks audibly into place (on right and left).

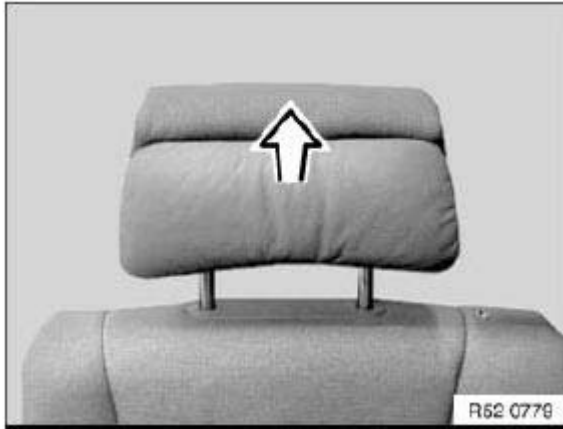


Fig. 115: Pulling Headrest

Courtesy of BMW OF NORTH AMERICA, INC.

52 17 400 REMOVING AND INSTALLING/REPLACING SEAT COVER FOR LEFT OR RIGHT FRONT SEAT (COMFORT)

Special tools required:

- 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)**
- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove front seat. See **52 14 000 Removing and Installing Left Or Right Front Seat.**
- Remove both rear panels on front seat backrest. See **52 17 205 Removing and Installing/Replacing Both Rear Panels On Left Or Right Front Seat Backrest.**
- Remove inner cover on front seat. See **52 14 041 Removing and Installing Inner Cover On Left Or Right Front Seat.**
- Remove thigh support. See **52 17 .. Removing and Installing/Replacing Left Or Right Thigh Support.**
- Remove switch combination for seat adjustment. See **61 31 203 REPLACING SWITCH COMBINATION FOR SEAT ADJUSTMENT .**

WARNING: US/CDN front passenger seat (with OC3 mat) only:

To avoid damaging the OC3 mat, it is essential to carry out the following operations with extra care.

When replacing seat cover:

If seat cover is defective, seat cover and padding with OC3 mat must be replaced together.

New seat cover is supplied with padding, OC3 mat and if necessary seat heating.

When replacing padding with OC3 mat:

If OC3 mat or padding is defective, both parts may only be replaced together.

Both parts must be fitted with the seat cover from the vehicle.

Enabling seat occupancy detector (OC3 mat):

- Connect BMW diagnosis system
- Release seat occupancy detector
- Clear fault memory if necessary

Unclip cover (1) on front seat.

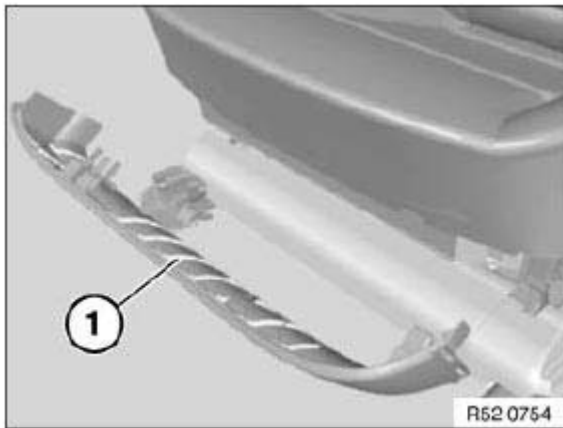


Fig. 116: Identifying Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Unclip trim (1) for thigh support carrier with special tool 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)** .

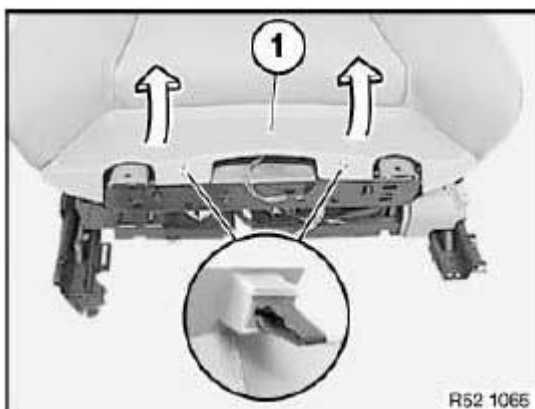


Fig. 117: Identifying Unclip Trim

Courtesy of BMW OF NORTH AMERICA, INC.

Release retainers in area (1).

Detach seat cover in area (2) on left and right.

Remove cable (3).

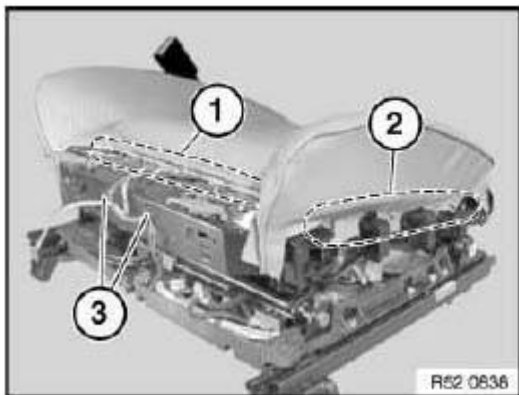


Fig. 118: Identifying Retainers And Cable
Courtesy of BMW OF NORTH AMERICA, INC.

Unhook seat cover (1) in area (2).

Disconnect plug connection (3).

Remove seat cover (1) complete with support.

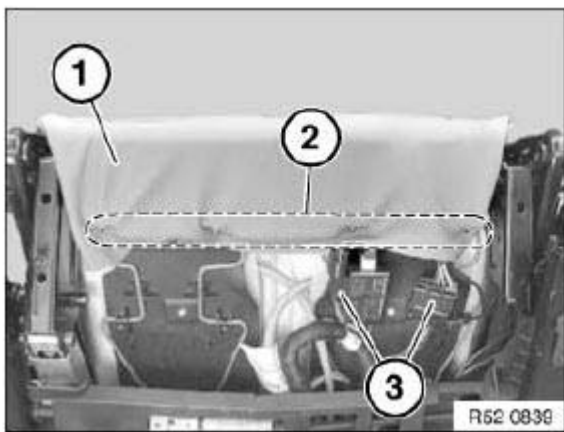


Fig. 119: Identifying Cover Area Connections
Courtesy of BMW OF NORTH AMERICA, INC.

- OC3 mat must not be kinked under any circumstances.

Detach all retainers in side area from longitudinal wires (1).

Pull trim wires (1) forward out of seat cover.

Carefully fold back seat cover and release retainers from cross - wires (2).

Remove seat cover from padding.

IMPORTANT: Remove all remnants of clips from seat cover and padding.

Padding (1) with OC3 mat (2).

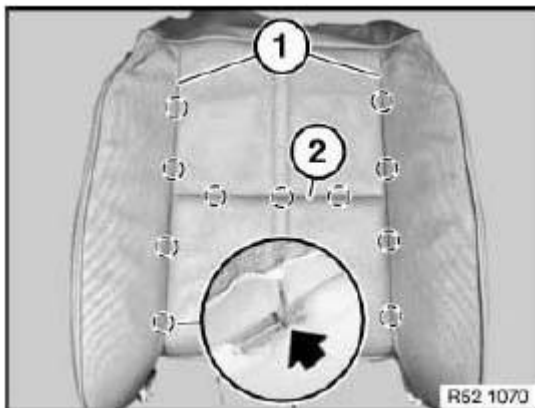


Fig. 120: Identifying Retainers And Longitudinal Wires

Courtesy of BMW OF NORTH AMERICA, INC.

**IMPORTANT: No retainer remainders may be fitted as well.
Handle OC3 mat with extreme care.
Do not kink OC3 mat.
Do not clamp OC3 mat.
OC3 mat must lie without folds under seat cover.**

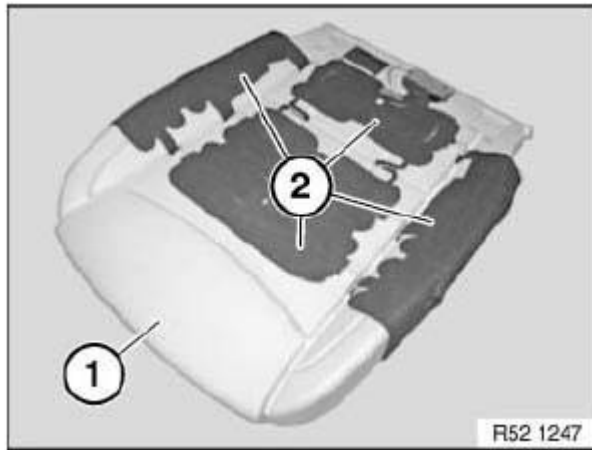


Fig. 121: Identifying Padding With OC3 Mat
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Bend new retainers closed with pliers 52 0 050. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim thread in cover
5. Seat cover

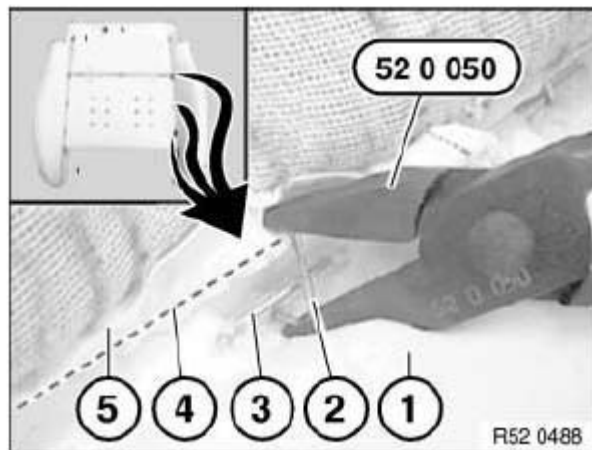


Fig. 122: Identifying Special Tool (52 0 050)
Courtesy of BMW OF NORTH AMERICA, INC.

Replacing seat cover:

2438 of 3160

Pull trim threads (1) out of seat cover

Installation:

Slide trim threads (1) into new seat cover. If necessary, cut mounting for trim threads.

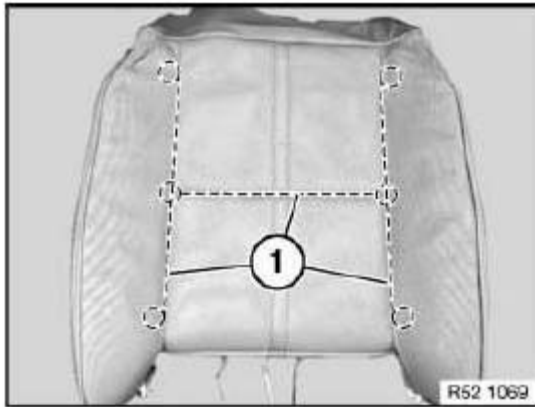


Fig. 123: Identifying Trim Threads

Courtesy of BMW OF NORTH AMERICA, INC.

52 17 405 REPLACING BACKREST COVER FOR LEFT OR RIGHT FRONT SEAT (COMFORT)

Special tools required:

- 00 9 317. See 00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE) .
- 52 0 050. See 52 0 050 PLIERS .

Necessary preliminary tasks:

- Remove front seat. See 52 17 000 Removing and Installing Left Or Right Front Seat (Comfort).
- Remove both rear panels on front seat backrest. See 52 17 205 Removing and Installing/Replacing Both Rear Panels On Left Or Right Front Seat Backrest.
- Remove inner cover on front seat. See 52 17 041 Removing and Installing/Replacing Inner Cover On Left Or Right Front Seat (Comfort).

Detach plug connection (1) by twisting from backrest frame.

Disconnect plug connection (1).

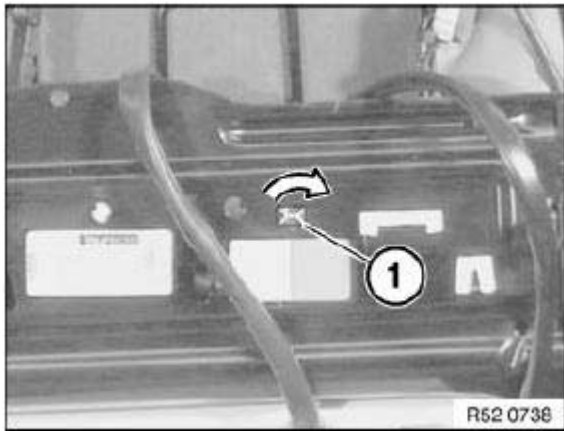


Fig. 124: Detaching Plug Connection

Courtesy of BMW OF NORTH AMERICA, INC.

Unhook backrest cover (3) in areas (1).

Detach all retainers in areas (2).

Installation:

Bend new retainers closed with pliers 52 0 050. See **52 0 050 PLIERS** .

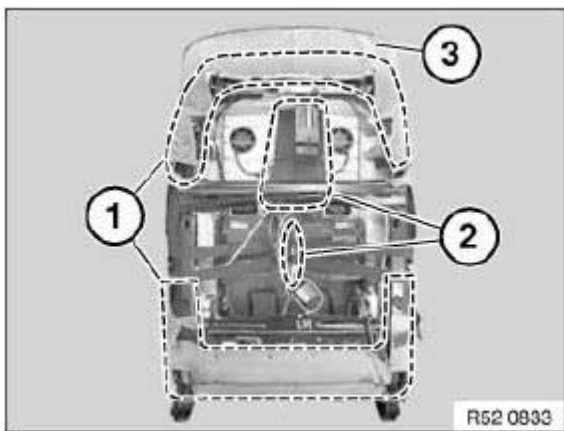


Fig. 125: Identifying Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Release all cable ties (1).

Disconnect all plug connections (2).

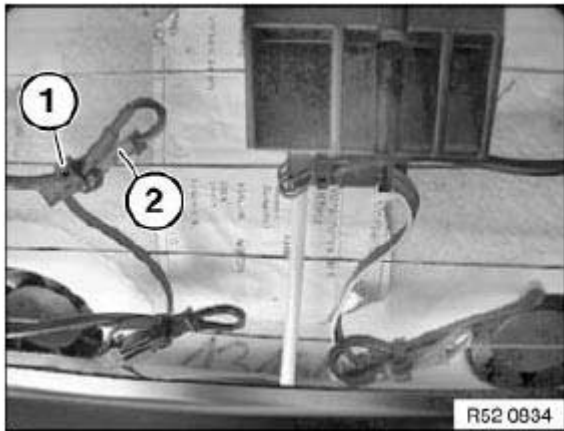


Fig. 126: Identifying Cable Ties And Plug Connections

Courtesy of BMW OF NORTH AMERICA, INC.

Remove backrest cover (2) complete with padding towards front.

Installation:

Adjusting unit (1) must be secured on left and right in opening of padding.

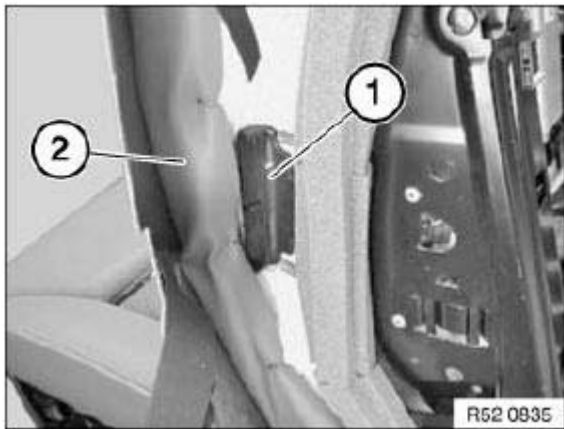


Fig. 127: Identifying Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Detach all retainers in areas (1).

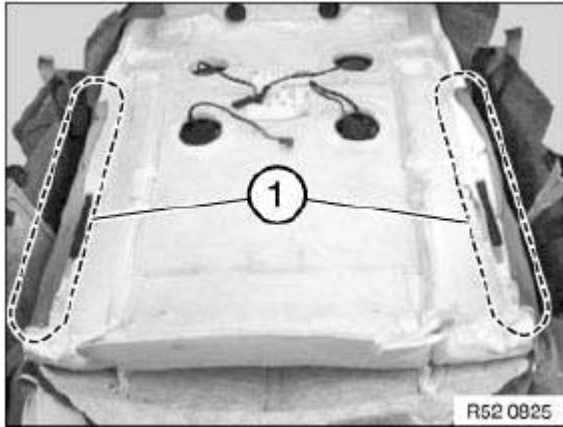


Fig. 128: Identifying Retainers

Courtesy of BMW OF NORTH AMERICA, INC.

Release all retainers.

Installation:

Bend new retainers closed with pliers 52 0 050. See **52 0 050 PLIERS**

Remove backrest cover (1) from padding.

Remove all remnants of clips from backrest cover (1) and padding.

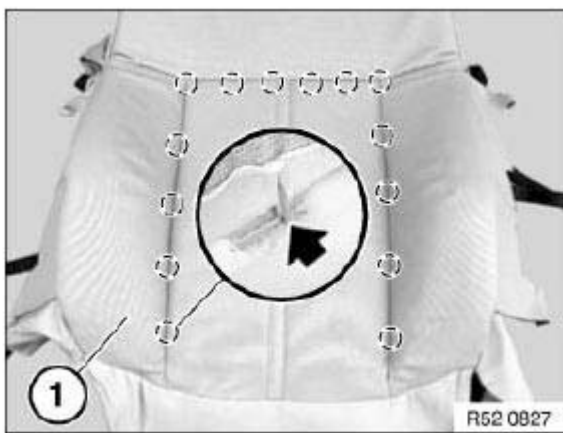


Fig. 129: Locating Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Pull trim threads (1) out of backrest cover.

Installation:

Push trim threads (1) into new backrest cover.

If necessary, cut into new component.

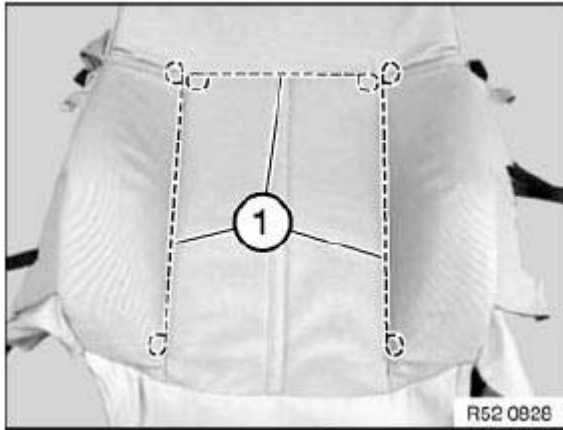


Fig. 130: Identifying Trim Threads

Courtesy of BMW OF NORTH AMERICA, INC.

Lever out locking strip of head restraint guide with plastic wedge 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)**.

Installation:

Mount straight front face of head restraint guide towards front.

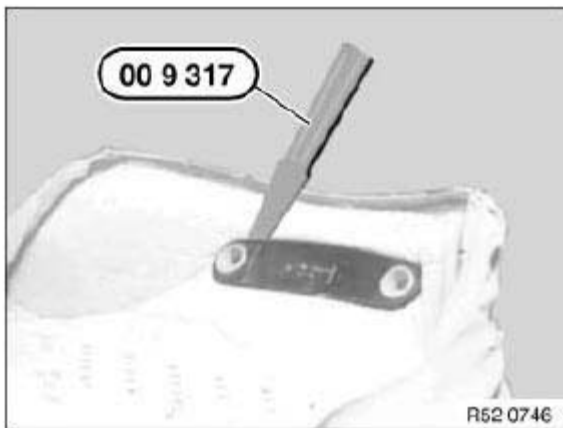


Fig. 131: Identifying Special Tool (00 9 317)

Courtesy of BMW OF NORTH AMERICA, INC.

52 17 415 REPLACING PADDING FOR LEFT OR RIGHT FRONT SEAT (COMFORT)

WARNING: US/CDN front passenger seat (with OC3 mat) only:

The padding can only be removed in conjunction with the OC3 mat.
If padding is defective, both parts may only be replaced together

After fitting new padding, enable OC3 mat with BMW diagnosis system.

The operation for removing the padding with/without OC3 mat is described in:

- Replacing seat cover for front seat. See **52 17 400 Removing and Installing/Replacing Seat Cover For Left Or Right Front Seat (Comfort)**.
- Removing sensor mat

Enabling seat occupancy detector (OC3 mat):

- Connect BMW diagnosis system
- Release seat occupancy detector
- Clear fault memory if necessary

Remove sensor mat (1).

Seat with air conditioning:

Remove dividing net (2).

Remove fan (3) from support (4).

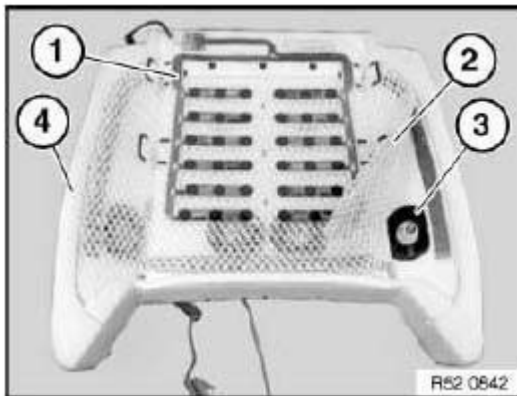


Fig. 132: Identifying Dividing Net And Fan
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Make sure fans have correct cable routing (1).

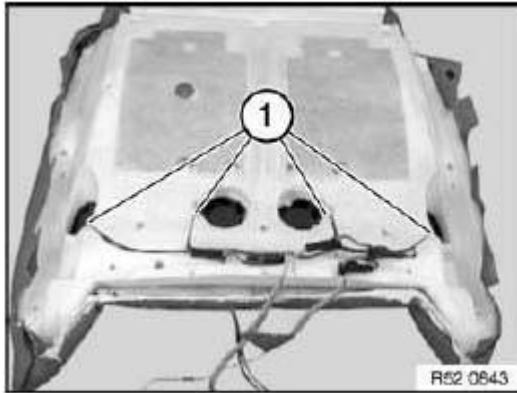


Fig. 133: Identifying Cable Routing

Courtesy of BMW OF NORTH AMERICA, INC.

52 17 420 REPLACING PADDING FOR LEFT OR RIGHT FRONT SEAT BACKREST (COMFORT)

Necessary preliminary tasks:

- Remove backrest cover. See **52 17 405 Replacing Backrest Cover For Left Or Right Front Seat (Comfort)**.

Remove dividing net (1) towards top.

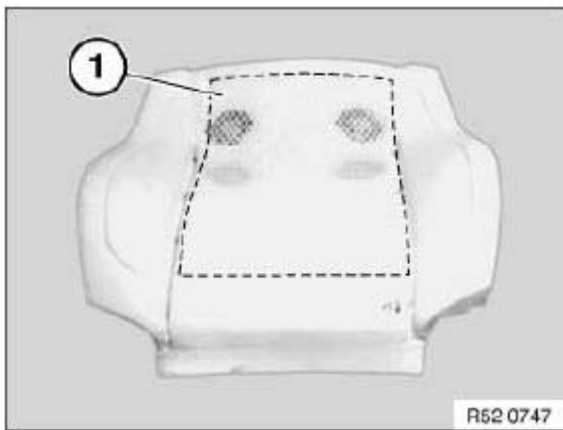


Fig. 134: Identifying Dividing Net

Courtesy of BMW OF NORTH AMERICA, INC.

Remove fan (1) towards top.

Installation:

Make sure fans have correct cable routing (2) (cables point to each other).

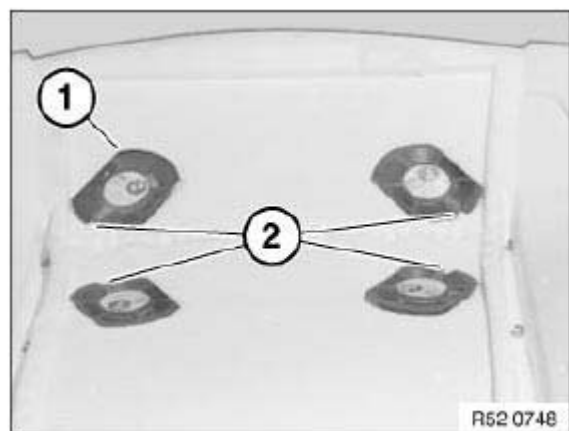


Fig. 135: Identifying Fan

Courtesy of BMW OF NORTH AMERICA, INC.

26 REAR SEAT, THROUGH-LOADING

52 26 .. OVERVIEW OF MICROSWITCHES

1. LOCK microswitches, inner, on seat frame on left and right. See 52 26 .. Removing and Installing/Replacing Left Or Right LOCK Microswitch.
2. FOLD microswitch on backrest frame, outer. See 52 26 .. Removing and Installing/Replacing FOLD Microswitch.
3. CF microswitch on seat frame, outer. See 52 26 .. Removing and installing/replacing CF microswitch.

52 26 .. OVERVIEW OF TRIMS, REAR SEAT

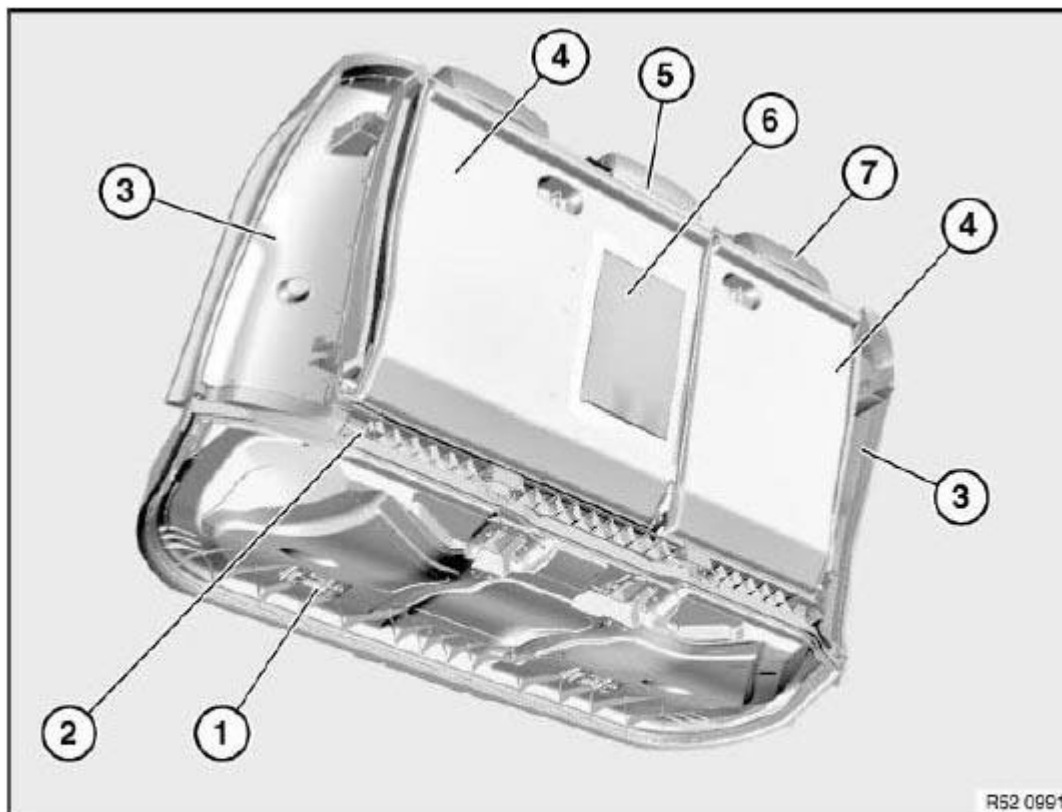
1. Seatbelt outlet trim. See 52 26 .. Removing and Installing Belt Outlet Trim
2. Trim, CF release unit. See 52 26 .. Removing and Installing Release Unit Trim.
3. Trim, fold, inner. See 52 26 .. Removing and Installing Inner Fold Trim.
4. Trim, seat screw fastening. See 52 26 .. Removing and Installing Seat Screw Fastening Trim.
5. Trim, follower, outer. See 52 26 .. Removing and Installing Inner Follower Trim.
6. Trim, fold, outer. See 52 26 .. Removing and Installing Outer Fold Trim.
7. Trim, fold adapter, outer.
8. Trim, cross-member. See 52 26 .. Removing and Installing Cross-Member Trim.
9. Trim, seat screw fastening. See 52 26 .. Removing and Installing Seat Screw Fastening Trim.
10. Trim, fold adapter, middle (60 %) Trim, pivot bearing lower section (40 %). See 52 26 .. Removing and Installing Middle Slide Trim (60 % Rear Seat). 52 26 .. Removing and Installing Pivot Bearing Lower Section Trim (40 % Rear Seat).
11. Trim, follower, inner. See 52 26 .. Removing and Installing Inner Follower Trim.
12. Trim, slide, middle. See 52 26 .. Removing and Installing Middle Slide Trim (40 % Rear Seat).
13. Trim, fold, middle (60 %) Trim, pivot bearing (40 %). See 52 26 .. Removing and Installing Middle

Fold Trim (60 % Rear Seat) or 52 26 .. Removing and Installing Pivot Bearing Trim (40 % rear seat).

14. Trim, slide, outer. See **52 26 .. Removing and Installing Outer Slide Trim.**

52 26 .. CHECKS ON REAR SEAT (THROUGH-LOADING)

The rear seats must be checked for damage following an accident. This measure is applicable above all in the event of structural damage (engine carriers, luggage compartment floor side members) but also if large pieces of luggage were stowed in the luggage compartment. The most important checks are set out below.



- | | | | |
|---|----------------------------|---|-----------------|
| 1 | Rear seat | 5 | Center armrest |
| 2 | ISOFIX cover strip | 6 | Ski bag |
| 3 | Side section, left/right | 7 | Head restraints |
| 4 | Backrest with center mount | | |

Fig. 136: Identifying Rear Seat Components
Courtesy of BMW OF NORTH AMERICA, INC.

1. Rear seat frame:

Check complete frame for damage (cracking, breakage, etc.), paying particular attention to the marked areas.

2. ISOFIX cover strip

Check marked areas for damage (cracking, breakage, etc.).

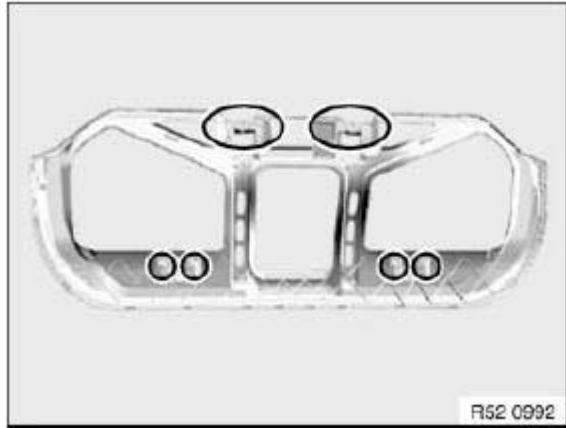


Fig. 137: Identifying Rear Seat Frame
Courtesy of BMW OF NORTH AMERICA, INC.

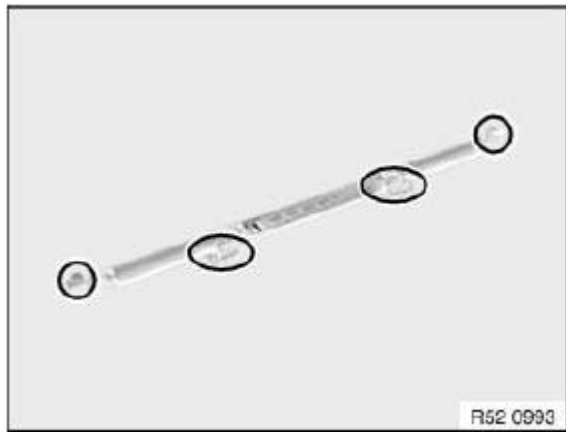


Fig. 138: Identifying ISOFIX Cover Strip
Courtesy of BMW OF NORTH AMERICA, INC.

3. Side section:

Check side section for tight seating if it is loosely seated:

1. Check retaining lugs and snap-in fixtures for damage (wear, breakage, cracking, etc.), replace if necessary.
2. Check marked guide lugs for damage (cracking, breakage, etc.).

Also check corresponding counter-supports ~~on body~~ ~~on body~~ (bending open, etc.).

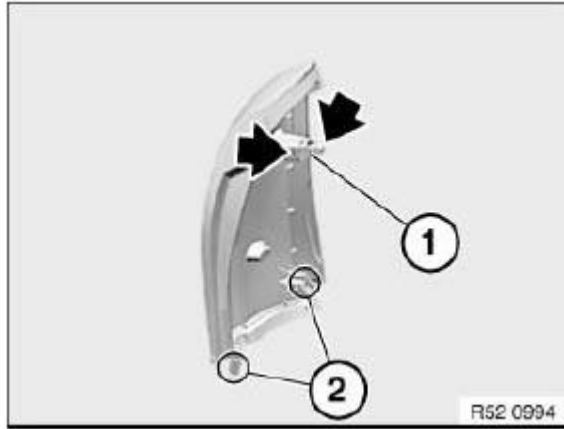


Fig. 139: Identifying Retaining Lugs And Marked Guide Lugs
 Courtesy of BMW OF NORTH AMERICA, INC.

4. Rear seat backrest:

Carry out function check (easy folding and snapping into place).

1. Check center mount for damage (cracking, breakage, bending, bending open, etc.).

If damage is identified at one of the following points, the center mount must also be replaced.

2. Check backrest mount (oval head screw, bushing) for damage (cracking, breakage, bending, etc.), replace if necessary.
3. Check mounting bracket for damage (breakage, cracking, bending, etc.).
4. Check backrest head for parallelism to rear parcel shelf.

Check whether there is deformation at backrest head and backrest moulding.

5. Check mount of center armrest for damage (breakage, cracking, bending, etc.).
6. Check gap for parallelism and uniform distance.
7. Check mount of backrest lock for damage (breakage, cracking, bending, etc.).

If damage is identified at the backrest supporting points, the mounting points on the body must also be checked (bending open, function, etc.).

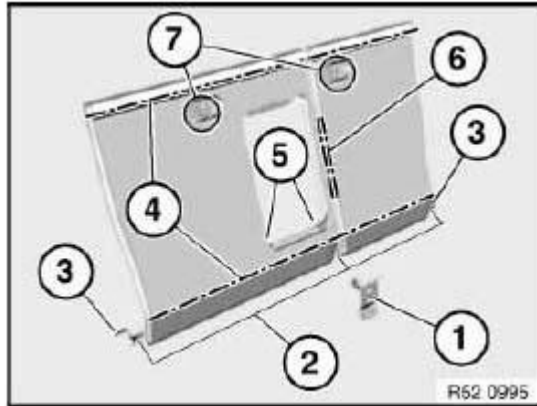


Fig. 140: Identifying Rear Seat Backrest Components
 Courtesy of BMW OF NORTH AMERICA, INC.

5. Center armrest:

Carry out function check (easy folding and snapping into place).

1. Check armrest shafts for damage (cracking, breakage, etc.).
2. Check armrest vertically and diagonally for deformation.
3. Check folding cover for exact operation.
4. Check armrest buckle for damage (cracking, breakage, bending etc.).

If the backrest structure is damaged, the center armrest must also be replaced.



Fig. 141: Identifying Center Armrest Components
 Courtesy of BMW OF NORTH AMERICA, INC.

6. Ski bag:

Carry out function check (easy snapping into place).

Check marked areas for damage (cracking, breakage, etc.).

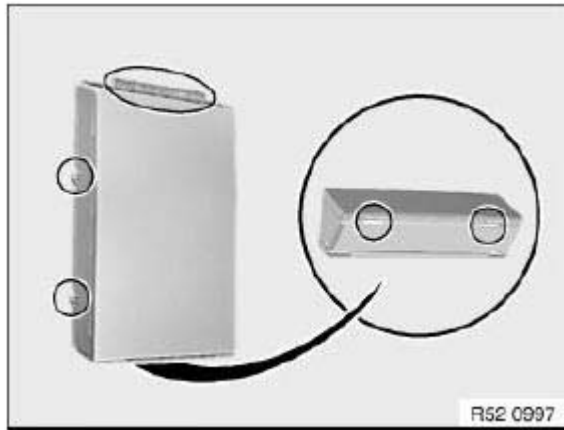


Fig. 142: Identifying Ski Bag

Courtesy of BMW OF NORTH AMERICA, INC.

7. Head restraints:

1. Check head restraint cushion for distortion. If the cushion is loose in relation to the tubes, replace head restraint.
2. Check tubes for damage and parallelism to each other. Check guides on backrest.

Carry out function check on new rear seat or reference vehicle.

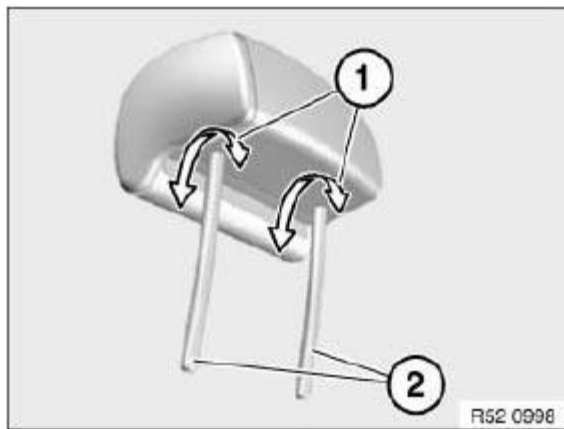


Fig. 143: Identifying Head Restraint Cushion

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 .. REMOVING AND INSTALLING BACKREST LOCK ADAPTER PLATE

Necessary preliminary tasks:

- Remove luggage compartment wheel arch trim on left or right. See **51 47 151 REMOVING AND**

INSTALLING/REPLACING LEFT LUGGAGE COMPARTMENT WHEEL ARCH TRIM

Release screw.

Tightening torque 52 26 06AZ. . See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

Remove adapter plate for backrest lock (1).



Fig. 144: Identifying Plate Backrest Lock
Courtesy of BMW OF NORTH AMERICA, INC.

Version with 3rd seat row:

Unfasten screws.

Tightening torque 52 26 06AZ. . See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

Remove adapter plate for backrest lock (1).

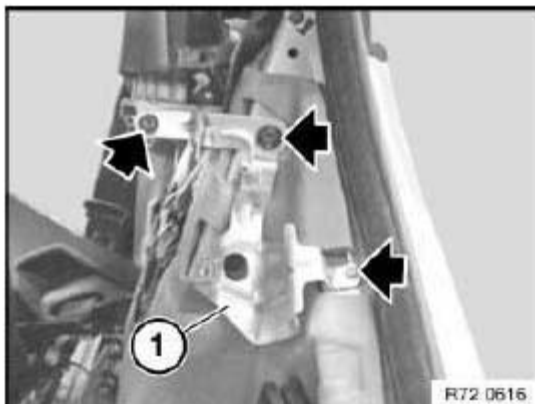


Fig. 145: Identifying Plate Backrest Lock Screws
Courtesy of BMW OF NORTH AMERICA, INC.

52 26 .. REMOVING AND INSTALLING BELT OUTLET TRIM

Release screws (1).

Feed out trim (2) for strap outlet.

52 26 .. REMOVING AND INSTALLING CROSS-MEMBER TRIM

Release screws (1).

Remove trim (2) towards front.

52 26 .. REMOVING AND INSTALLING INNER FOLD TRIM

Necessary preliminary tasks:

- Remove backrest cover
- Remove outer slide trim

Trim, fold, inner:

Release screws (1).

Unclip trim (2) in direction of arrow.

Unclip Bowden cable from trim.

52 26 .. REMOVING AND INSTALLING INNER FOLLOWER TRIM

Necessary preliminary tasks:

- Partially detach seat cover

Trim, fold, inner:

Release screw.

Unclip trim (1) in direction of arrow and remove.

52 26 .. REMOVING AND INSTALLING LEFT OR RIGHT REAR PANEL TRIM

Pull out pins and lever out expander rivets.

Remove rear panel trim (1).

52 26 .. REMOVING AND INSTALLING LONGITUDINAL SEAT ADJUSTMENT HANDLE

Disengage spring in marked area.

Release screws (1).

Remove handle upper section (2) with handle lower section.

52 26 .. REMOVING AND INSTALLING MIDDLE FOLD ADAPTER TRIM

Necessary preliminary tasks:

- Remove middle fold trim. See **52 26 .. Removing and Installing Middle Fold Trim (60 % Rear Seat)**.
- Remove rear panel trim. See **52 26 .. Removing and Installing Left Or Right Rear Panel Trim**.
- Partially remove seat cover. See **52 26 400 REPLACING SEAT COVER FOR LEFT & Right Rear**.

Release screw (1).

Release screw (1).

Unclip trim in marked area.

Release screw (1).

Feed trim (2) in upward direction out of seat mechanism.

52 26 .. REMOVING AND INSTALLING MIDDLE FOLD TRIM (60 % REAR SEAT)

Necessary preliminary tasks:

- Remove middle slide trim at top only. See **52 26 .. Removing and Installing Middle Slide Trim (40 % Rear Seat)** or **52 26 .. Removing and Installing Middle Slide Trim (60 % Rear Seat)**.
- trim for centre armrest. See **52 26 .. Removing and Installing/Replacing Trim For Centre Armrest**.
- Remove inner follower trim. See **52 26 .. Removing and Installing Inner Follower Trim**.

Release screw (1).

Release screw (1).

Tightening torque: 52 26 27AZ. See **BODY EQUIPMENT - TIGHTENING TORQUES**.

Release screw (2).

Carefully tighten follower (2) on seat cushion frame.

Remove trim (1) in direction of arrow and feed out of seat mechanism.

52 26 .. REMOVING AND INSTALLING MIDDLE SLIDE TRIM (40 % REAR SEAT)

Necessary preliminary tasks:

- Partially remove backrest cover

Carefully unclip trim (1) at bottom and top.

52 26 .. REMOVING AND INSTALLING MIDDLE SLIDE TRIM (60 % REAR SEAT)

NOTE: Picture shows seat and backrest covers removed for purposes of clarity.

Trim, slide, middle:

Carefully unclip trim (1) at bottom and top.

52 26 .. REMOVING AND INSTALLING OUTER FOLD ADAPTER

Necessary preliminary tasks:

- Remove outer fold trim. See 52 26 .. Removing and Installing Outer Fold Trim.
- Remove rear panel trim. See 52 26 .. Removing and Installing Left Or Right Rear Panel Trim.
- Partially remove seat cover with padding. See 52 26 400 REPLACING SEAT COVER FOR LEFT & Right Rear.

Release screw.

Release screw (1).

Unclip trim (2) at top.

Carefully tighten follower (2) on seat cushion frame.

Feed trim (2) out of seat mechanism.

52 26 .. REMOVING AND INSTALLING OUTER FOLD TRIM

Necessary preliminary tasks:

- Remove inner fold trim. See 52 26 .. Removing and Installing Inner Fold Trim.
- Remove outer follower trim. See 52 26 .. Removing and Installing Outer Follower Trim.

Trim, fold, inner:

Release screw (2).

Tightening torque: 52 26 25AZ. See 52 26 REAR SEATS (THROUGH-LOADING SYSTEM) .

Pull off release handle (1).

Release screw.

Only for seat backrest frame, left (60 %):

Push on locking clip (1).

Pull off ball socket.

Installation:

Gas-filled strut (1) is under tension.

Lever ball socket with screwdriver on pin.

Release screw (1).

Tightening torque: 52 26 27AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)** .

Carefully tighten follower (2) on seat cushion frame.

Feed trim (1) out of seat mechanism.

52 26 .. REMOVING AND INSTALLING OUTER FOLLOWER TRIM

Necessary preliminary tasks:

- Partially disengage seat cover. See **52 26 400 REPLACING SEAT COVER FOR LEFT & Right Rear.**

Trim, follower, outer:

Release screw.

Unclip trim (1) in direction of arrow and remove.

52 26 .. REMOVING AND INSTALLING OUTER SLIDE TRIM

Necessary preliminary tasks:

- Remove backrest cover. See **52 26 411 Replacing Backrest Cover For Left Rear Seat** or **52 26 412 Replacing Backrest Cover For Right Rear Seat.**

Trim, slide:

Carefully unclip trim (1) at top and bottom

52 26 .. REMOVING AND INSTALLING PIVOT BEARING LOWER SECTION TRIM (40 % REAR SEAT)

Necessary preliminary tasks:

- Remove pivot bearing trim. See **52 26 .. Removing and Installing Pivot Bearing Trim (40 % rear seat)**.
- Partially remove seat cover. See **52 26 400 Replacing Seat Cover For Left & Right Rear**.

Release screw (1).

Release screw (1).

Disengage trim (2) in marked area.

Feed trim (2) out of seat mechanism.

52 26 .. REMOVING AND INSTALLING PIVOT BEARING TRIM (40 % REAR SEAT)

Necessary preliminary tasks:

- Remove middle slide trim at top only. See **52 26 .. Removing and Installing Middle Slide Trim (40 % Rear Seat)** or **52 26 .. Removing and Installing Middle Slide Trim (60 % Rear Seat)**.
- Remove inner follower trim. See **52 26 .. Removing and Installing Outer Follower Trim**.
- Partially remove backrest cover. See **52 26 412 Replacing Backrest Cover For Right Rear Seat**.

Release screw (1).

Release screw (1).

Tightening torque: 52 26 27AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

Unclip trim (2) in marked area.

Carefully tighten follower (3) on seat cushion frame.

Feed trim (2) out of seat mechanism.

52 26 .. REMOVING AND INSTALLING RELEASE UNIT TRIM

Access to screw (1) behind release lever.

Release screw (1).

Unclip trim towards top.

Installation:

Retaining lugs must not be damaged.

If necessary, replace trim.

52 26 .. REMOVING AND INSTALLING SEAT SCREW FASTENING TRIM

Unclip trim (1) on left and right in direction of arrow.

Installation:

Replace faulty cover.

Release screw (1).

Remove trim (2) in direction of arrow.

52 26 .. REMOVING AND INSTALLING/REPLACING BOWDEN CABLE FOR LEFT OR RIGHT SEAT BACK RELEASE*Necessary preliminary tasks:*

- Remove backrest cover. See **52 26 411 Replacing Backrest Cover For Left Rear Seat** or **52 26 412 Replacing Backrest Cover For Right Rear Seat**.
- Remove release unit. See **52 26 .. Removing and Installing Release Unit Trim**.

Unclip Bowden cable sleeve.

Unclip Bowden cable sleeve from backrest frame.

Disengage Bowden cable nipple.

52 26 .. REMOVING AND INSTALLING/REPLACING CF MICROSWITCH*Necessary preliminary tasks:*

- Remove left rear seat. See **52 26 000 Removing and Installing/Replacing Left Or Right Rear Seat (For 3Rd Seat Row)**.

Unfasten plug connection (1) and disconnect.

Unlock microswitch (1) with screwdriver (2) and remove towards top.

52 26 .. REMOVING AND INSTALLING/REPLACING FOLD MICROSWITCH

Necessary preliminary tasks:

- Remove backrest cover. See **52 26 411 Replacing Backrest Cover For Left Rear Seat** or **52 26 412 Replacing Backrest Cover For Right Rear Seat**.
- Remove trims from backrest frame, outer. See **52 26 .. Removing and Installing Outer Follower Trim**.

Unclip microswitch (1) from seat backrest frame.

Installation:

Make sure contact sensor (2) is fitted correctly on pin (1).

Unfasten plug connection (1) and disconnect.

52 26 .. REMOVING AND INSTALLING/REPLACING GAS-FILLED STRUT ON LEFT REAR SEAT

Slide retaining clips (1) upwards.

Detach ball sockets at sides.

Installation:

Gas-filled strut (1) is under tension.

Lever ball socket with screwdriver on pin.

52 26 .. REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT EASY ENTRY BOWDEN CABLE*Necessary preliminary tasks:*

- Remove backrest cover. See **52 26 411 Replacing Backrest Cover For Left Rear Seat** or **52 26 412 Replacing Backrest Cover For Right Rear Seat**.
- Removing seat fabric. See **52 26 400 Replacing Seat Cover For Left & Right Rear**.

Unclip Bowden cable sleeve.

Feed Bowden cable nipple out of actuating mechanism.

Unclip Bowden cable sleeve.

Feed Bowden cable nipple out of release unit.

Cut open cable tie (1).

Installation:

If necessary, replace faulty cable ties (1).

Unclip Bowden cable from metal retainer.

Feed Bowden cable out of seat backrest frame.

52 26 .. REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT EASY ENTRY DAMPER

Necessary preliminary tasks:

- Remove left or right rear seat. See 52 26 000 Removing and Installing/Replacing Left Or Right Rear Seat (For 3Rd Seat Row).

Remove toothed lock washers (1).

Installation:

Replace defective toothed lock washer.

Remove damper (2).

52 26 .. REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT LOCK MICROSWITCH

Necessary preliminary tasks:

- Remove left or right rear seat. See 52 26 000 Removing and Installing/Replacing Left Or Right Rear Seat (For 3Rd Seat Row).

Unclip left or right microswitch (1) from seat backrest frame.

Unfasten plug connection (1) and disconnect.

52 26 .. REMOVING AND INSTALLING/REPLACING REAR HEAD RESTRAINT LOCATOR

Necessary preliminary tasks:

- Remove head restraint. See 52 26 388 Removing and Installing/Replacing Rear Middle Head Restraint or 52 26 390 Removing and Installing Or Replacing Left Or Right Rear Head Restraint.

Press backrest cover with padding next to guide downwards to expose detent lugs

Unlock detent lugs on left and right with screwdriver and remove guide towards top.

IMPORTANT: Do not damage backrest cover.

MOUNT (THROUGH-LOADING)*Necessary preliminary tasks:*

- Remove head restraint. See 52 26 388 Removing and Installing/Replacing Rear Middle Head Restraint or 52 26 390 Removing and Installing Or Replacing Left Or Right Rear Head Restraint.

Press backrest cover with padding next to guide downwards to expose detent lugs

Unlock detent lugs on left and right with screwdriver and remove guide towards top.

IMPORTANT: Do not damage backrest cover.

52 26 .. REMOVING AND INSTALLING/REPLACING REAR LEFT SEAT BACKREST FRAME*Necessary preliminary tasks:*

- Remove all microswitches. See 52 26 .. Removing and Installing/Replacing CF Microswitch, 52 26 .. Removing and Installing/Replacing FOLD Microswitch or 52 26 .. Removing and Installing/Replacing Left Or Right LOCK Microswitch.
- Remove all rear seat trims. See 52 26 .. Overview of Trims, Rear Seat.
- Remove backrest cover. See 52 26 411 Replacing Backrest Cover For Left Rear Seat.
- Remove rear panel . See 52 26 199 Removing and Installing/Replacing Rear Panel On Left Rear Seat Back.
- Remove release unit. See 52 26 301 Removing and Installing/Replacing Release Unit For Left Or Right Backrest.
- Remove Bowden cables. See 52 26 .. Removing and Installing/Replacing Bowden Cable For Left Or Right Seat Back Release.
- Remove Easy Entry damper. See 52 26 .. Removing and Installing/Replacing Left Or Right Easy Entry Damper.

52 26 .. REMOVING AND INSTALLING/REPLACING SKI BAG ON REAR SEAT (THROUGH-LOADING SYSTEM)

Special tools required:

- 00 9 317. See 00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE) .

Necessary preliminary tasks:

- Remove armrest. See 52 26 030 Removing and installing/replacing armrest for rear seat backrest (through-loading system).

Release screws (1).

Tightening torque 52 26 09AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)** .

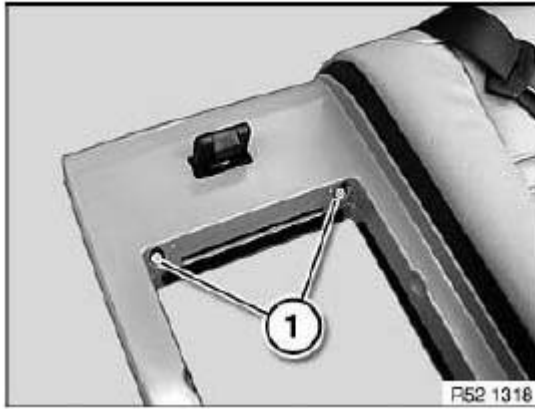


Fig. 146: Identifying Screws

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws (1).

Tightening torque 52 26 09AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)** .

Release screw (2).

Tightening torque 52 26 08AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)** .

Remove Top Tether eyelet.

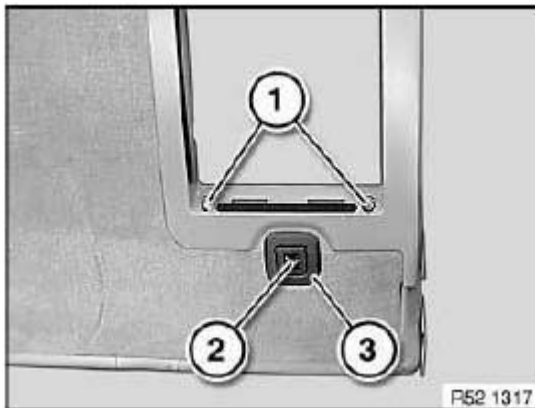


Fig. 147: Identifying Top Tether Eyelet Screw

Courtesy of BMW OF NORTH AMERICA, INC.

Lever out rear ski bag frame (1) with special tool 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)**

Plastic eyelet of front trim can break.
If necessary, replace faulty trim.

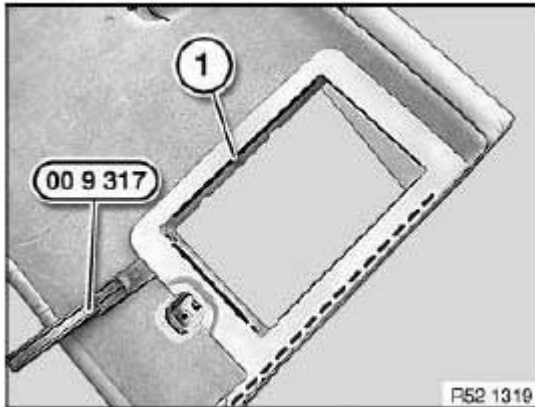


Fig. 148: Identifying Special Tool (00 9 317)
Courtesy of BMW OF NORTH AMERICA, INC.

Lever out pins.

Remove front ski bag trim (1) in direction of arrow.

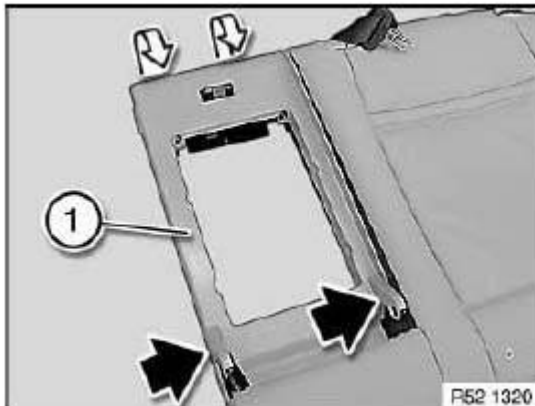


Fig. 149: Identifying Front Ski Bag Trim
Courtesy of BMW OF NORTH AMERICA, INC.

52 26 .. REMOVING AND INSTALLING/REPLACING TRIM AND FRAME FOR SKI BAG

Special tools required:

- 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)** .

Release screws (1).

Tightening torque 52 26 23AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)** .

Lever out caps (1).

Release screws underneath.

Tightening torque 52 26 23AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)** .

Release screw (1).

Tightening torque 52 26 21AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)** .

Remove Top Tether eyelet.

Lever out frame (1) for ski bag with special tool 00 9 317. See **00 9 310 ASSEMBLY WEDGES (SET IN PLASTIC CASE)** .

**IMPORTANT: Risk of damage in marked area.
Plastic eyelet of front trim can break.
If necessary, replace faulty trim.**

Remove front ski bag trim (1) in direction of arrow.

52 26 .. REMOVING AND INSTALLING/REPLACING TRIM FOR CENTRE ARMREST

Carefully unclip channel cover strip (1).

Installation:

Risk of damage! Plastic eyelets of front trim can break.

If necessary, replace defective trim or channel cover.

Unclip trim for centre armrest.

Installation:

If necessary, replace faulty clips.

52 26 .. REPLACING COVER ON BACKREST SIDE SECTION

Necessary preliminary tasks:

- Remove rest side section. See **52 26 008 Removing and installing/replacing left/right sides of backrest on rear seat backrest (through-loading)**.

Disengage cover in marked area from rest side section.

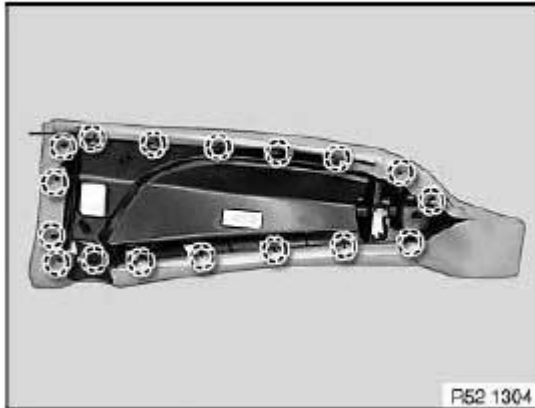


Fig. 150: Identifying Cover Marked Area
Courtesy of BMW OF NORTH AMERICA, INC.

52 26 000 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT REAR SEAT (FOR 3RD SEAT ROW)

Right rear seat is removed in the same way as the left rear seat depicted here.

Unclip cover (1) on left and right and remove in direction of arrow.

Installation:

Replace faulty cover.

Release screws (1) on left and right.

Tightening torque 52 26 10AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

Release screw (1).

Remove cover (2) in direction of arrow.

Fold rear seat backwards forwards.

Release screws (1).

Tightening torque 52 26 10AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

Unlock plug connection (1) and disconnect.

IMPORTANT: Risk of damage! Cover sill and entrance area with protective covers.

Slide rear seat forwards (guide pin out of guide). 2465 of 3160

Lift rear seat with a 2nd person helping out of vehicle.

52 26 005 REMOVING AND INSTALLING / REPLACING REAR SEAT

Unclip rear seat on left and right towards top.

Installation:

Feed seat belt buckles (1) into openings in rear seat.

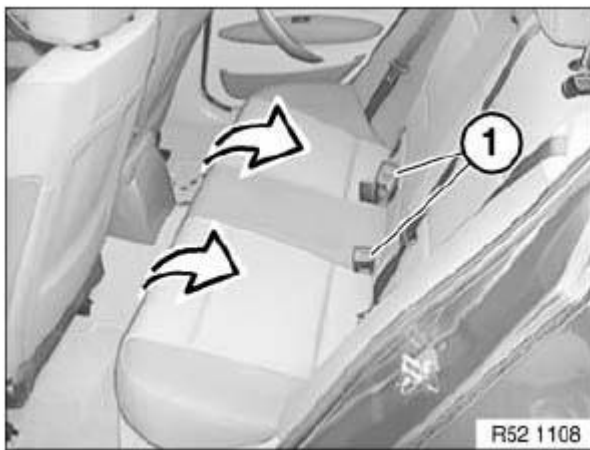


Fig. 151: Identifying Seat Belt Buckles

Courtesy of BMW OF NORTH AMERICA, INC.

Release screw (1) on seat belt (middle).

Tightening torque 72 11 22AZ. See **72 11 SEAT BELTS**

Installation:

Seat belt is coded against incorrect installation.

Feed out anchor fitting (2) through rear seat.

If necessary, unlock and disconnect plug connection for seat heating.

Lift out rear seat.

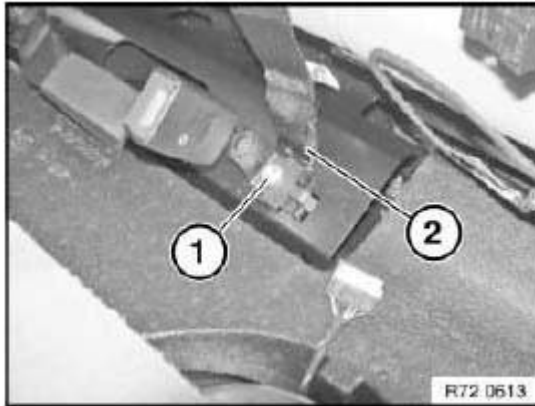


Fig. 152: Identifying Seat Belt Screw

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 008 REMOVING AND INSTALLING/REPLACING LEFT/RIGHT SIDES OF BACKREST ON REAR SEAT BACKREST (THROUGH-LOADING)

Pull seat belt to middle and place behind head restraint.

Unclip backrest side section in direction of arrow (1) towards front and pull out in direction of arrow (2).

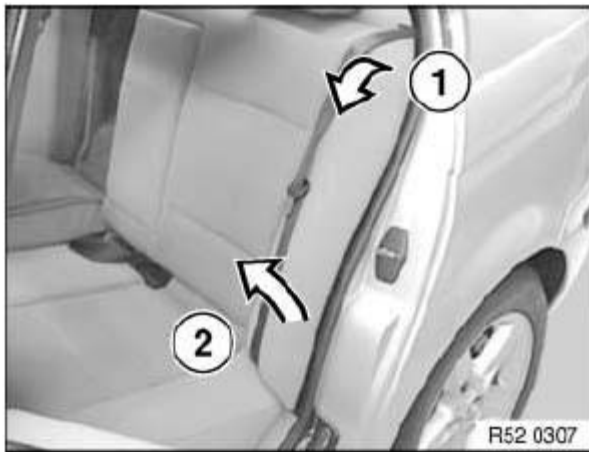


Fig. 153: Unclipping Backrest Side Section

Courtesy of BMW OF NORTH AMERICA, INC.

If necessary, pull out clip (1) towards front.

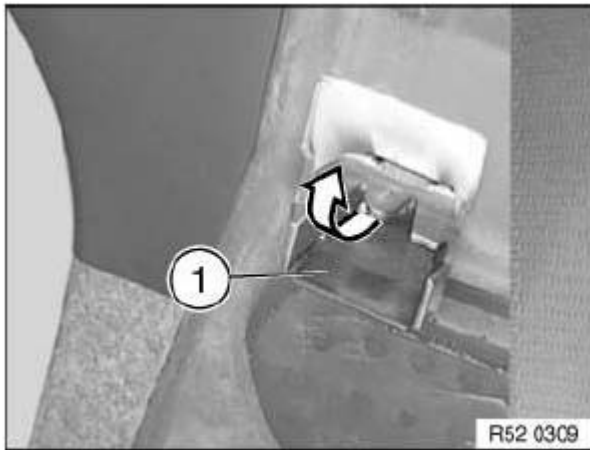


Fig. 154: Pulling Out Clip

Courtesy of BMW OF NORTH AMERICA, INC.

Check clip (1) and locator (2) for damage.

Snap clip (1) into locator (2) of backrest side section.

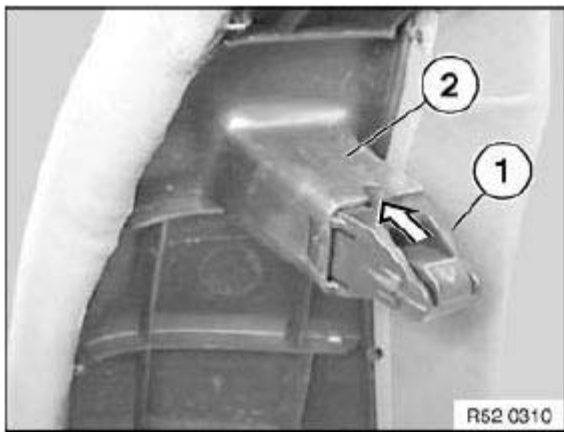


Fig. 155: Identifying Clip And Locator

Courtesy of BMW OF NORTH AMERICA, INC.

Insert guides (1) into locators.

Clip backrest side section at top into place.

Installation:

Make sure backrest side section is correctly seated in locators.

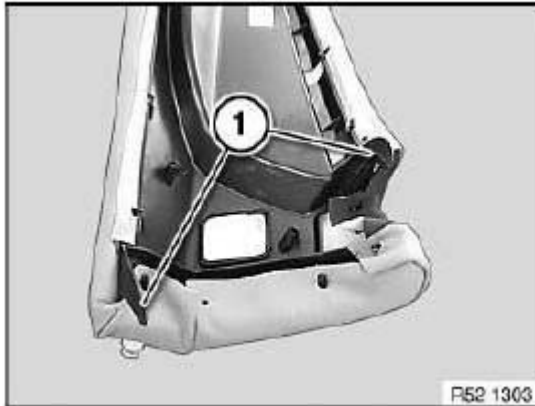


Fig. 156: Identifying Guides

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 015 REMOVING AND INSTALLING/REPLACING LEFT/RIGHT REAR SEAT BACKREST (THROUGHLOADING)

Necessary preliminary tasks:

- Remove backrest side section. See **52 26 008 Removing and Installing/Replacing Left/Right Sides Of Backrest On Rear Seat Backrest (Through-Loading)**
- If necessary, remove rear seat (only with seat heating optional extra)

Left backrest:

- Release screw (1).

Tightening torque 52 26 04AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

- With automatic centre belt optional extra only:

Lay belt (2) around centre armrest

- Fold backrest forwards slightly (3)
- Pull backrest forwards and outwards out of center mount (4)

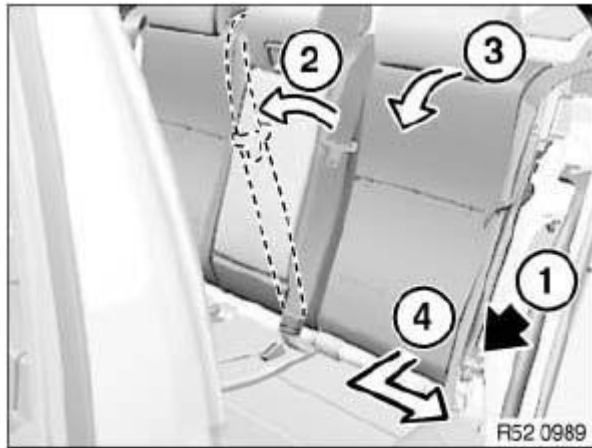


Fig. 157: Pulling Backrest (Left Backrest)
Courtesy of BMW OF NORTH AMERICA, INC.

Right backrest:

- Release screw (1).

Tightening torque 52 26 04AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

- Fold backrest forwards slightly (2)
- Pull backrest forwards and outwards out of centre mount (3)

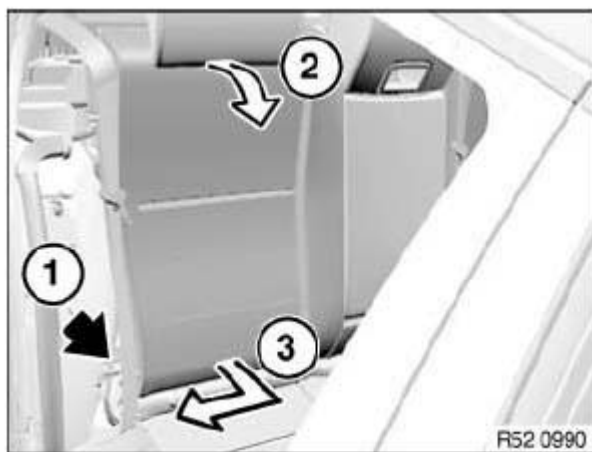


Fig. 158: Pulling Backrest (Right Backrest)
Courtesy of BMW OF NORTH AMERICA, INC.

52 26 030 REMOVING AND INSTALLING/REPLACING ARMREST FOR REAR SEAT BACKREST (THROUGH-LOADING SYSTEM)

Release screw (1).

Tightening torque 52 26 03AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

Twist out armrest in direction of arrow from backrest frame.

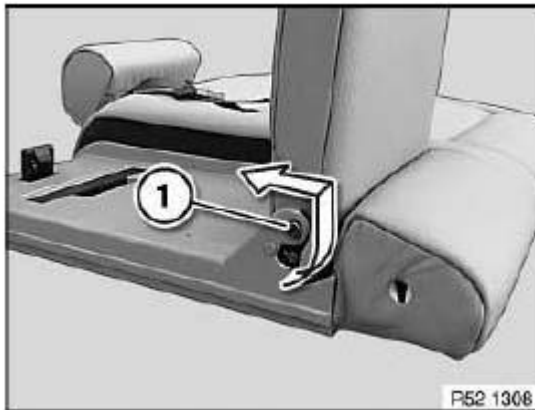


Fig. 159: Releasing Screw

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 032 REMOVING AND INSTALLING/REPLACING CUP HOLDERS IN CENTRE ARMREST

Unclip trim (1) with plastic wedge.

Installation:

Replace trim (1) if retaining lugs are faulty.

Lever cup holders on left and right out of centre armrest with plastic wedge.

Remove cup holders from centre armrest.

52 26 080 REMOVING AND INSTALLING/REPLACING BACKREST FRAME FOR LEFT REAR SEAT (THROUGH - LOADING SYSTEM)

Necessary preliminary tasks:

- Remove backrest cover. See **52 26 411 Replacing backrest cover for rear seat (through-loading system) on left**
- Remove retractor mechanism. See **72 11 101 REMOVING AND INSTALLING/REPLACING REAR CENTER SEAT BELT**
- Remove lock. See **52 26 311 Removing and installing/replacing lock for left or right rear seat backrest**

Release screws (1).

Installation:

Replace screws and insert with Loctite.

Tightening torque 52 26 07AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

Remove lock for centre armrest.

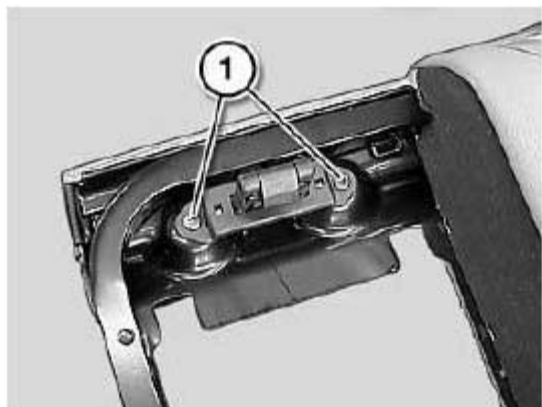


Fig. 160: Identifying Screw

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 085 REMOVING AND INSTALLING/REPLACING BACKREST FRAME FOR RIGHT REAR SEAT (THROUGH-LOADING SYSTEM)

Necessary preliminary tasks:

- Remove backrest cover. See **52 26 412 Replacing backrest cover for rear seat (through-loading system) on right**
- Removing lock for rear seat backrest. See **52 26 311 Removing and installing/replacing lock for left or right rear seat backrest**

52 26 199 REMOVING AND INSTALLING/REPLACING REAR PANEL ON LEFT REAR SEAT BACK

Necessary preliminary tasks:

- Remove rear seat back. See **52 26 015 Removing and Installing/Replacing Left/Right Rear Seat Backrest (Throughloading)**
- If necessary, remove rear frame for ski bag. See **52 26 .. Removing and Installing/Replacing Ski Bag On Rear Seat (Through-Loading System)**

Unclip lock trim on backrest edge in direction of arrow (1).

Slide back of lock trim in outward direction and remove in direction of arrow (2).

Installation:

Retaining lugs on trim must not be damaged.

Version without ski bag:

Lever backrest cover all round out of backrest frame.

Version with ski bag:

Lever backrest cover all round out of backrest frame.

Detach rear panel (2) with flat scraper (1) from rear seat back.

Installation:

Comply with instructions issued by manufacturer of universal spray adhesive.

Apply universal spray adhesive to rear panel and rear seat back.

Fit and align rear panel within the air drying time (See manufacturer's instructions).

Observe and adhere to curing time to prevent rear panels from slipping.

52 26 200 REMOVING AND INSTALLING/REPLACING REAR PANEL ON RIGHT REAR SEAT BACK

Necessary preliminary tasks:

- Remove rear seat back. See **52 26 015 Removing and Installing/Replacing Left/Right Rear Seat Backrest (Throughloading)**

Unclip lock trim on backrest edge in direction of arrow (1).

Slide back of lock trim in outward direction and remove in direction of arrow (2).

Installation:

Retaining lugs on trim must not be damaged.

Lever backrest cover all round out of backrest frame.

Detach rear panel (2) with flat scraper (1) from rear seat back.

Installation:

Comply with instructions issued by manufacturer of universal spray adhesive.

Apply universal spray adhesive to rear panel and rear seat back

Fit and align rear panel within the air drying time (See manufacturer's instructions).

Observe and adhere to curing time to prevent rear panels from slipping.

52 26 301 REMOVING AND INSTALLING/REPLACING RELEASE UNIT FOR LEFT OR RIGHT BACKREST

Necessary preliminary tasks:

- Remove trim for release unit. See **52 26 .. Removing and Installing Release Unit Trim**

Release screw (1).

Remove release unit (1) in direction of arrow.

Disengage Bowden cable from release unit.

52 26 311 REMOVING AND INSTALLING/REPLACING LOCK FOR LEFT OR RIGHT REAR SEAT BACKREST

Unclip lock trim on backrest edge in direction of arrow (1).

Slide back of lock trim in outward direction and remove in direction of arrow (2).

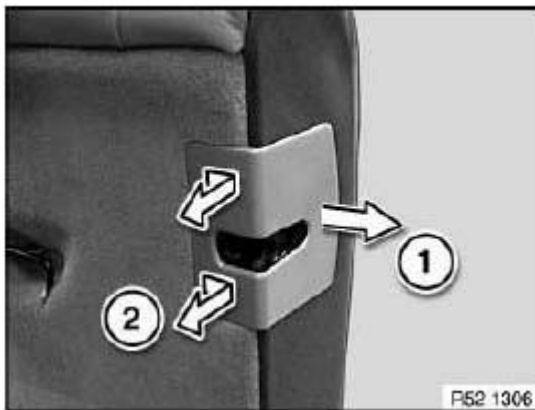


Fig. 161: Unclipping Lock Trim On Backrest Edge
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Retaining lugs on trim must not be damaged.



Fig. 162: Identifying Retaining Lugs

Courtesy of BMW OF NORTH AMERICA, INC.

IMPORTANT: Risk of damage!

Insert plastic wedge from outside between trim (1) and lock.

Carefully lever outer side of trim (1) with plastic wedge upwards out of catch.

Lever inner side of trim (1) with plastic wedge out of catch.

Remove trim upwards.

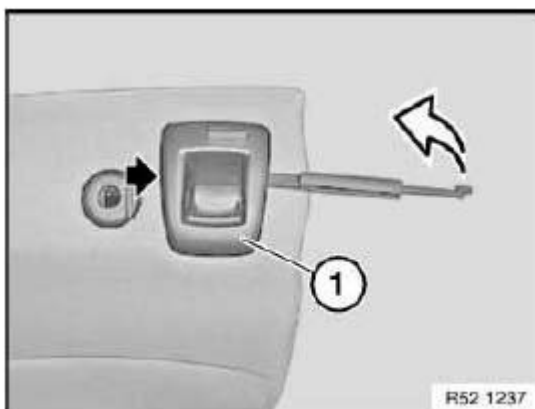


Fig. 163: Inserting Plastic Wedge From Outside Between Trim And Lock

Courtesy of BMW OF NORTH AMERICA, INC.

Lever out backrest cover (1) in working area.

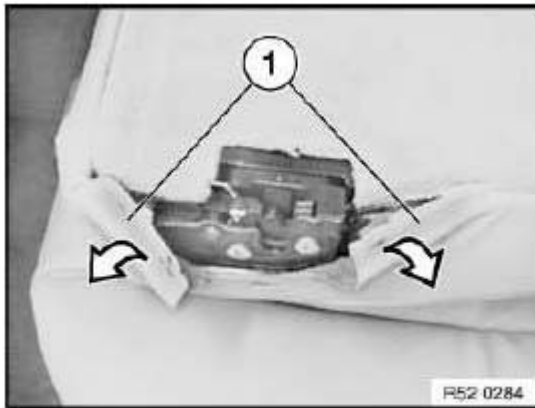


Fig. 164: Removing Backrest Cover

Courtesy of BMW OF NORTH AMERICA, INC.

Release screws and feed lock (1) out of rear seat backrest.

Tightening torque 52 26 05AZ. See **52 26 REAR SEATS (THROUGH-LOADING SYSTEM)**

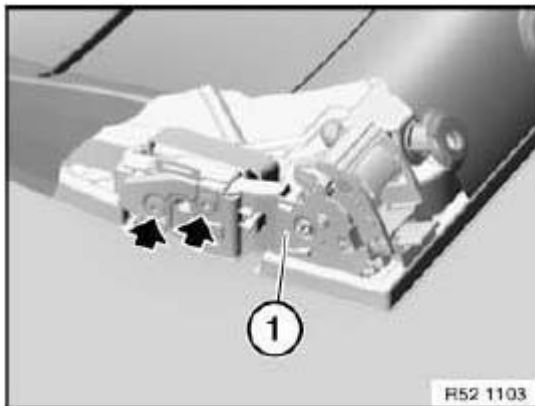


Fig. 165: Identifying Screws And Feed Lock

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 388 REMOVING AND INSTALLING/REPLACING REAR MIDDLE HEAD RESTRAINT

Press lock (2) and move head restraint upwards to maximum extent.

Pull out head restraint (1) firmly.

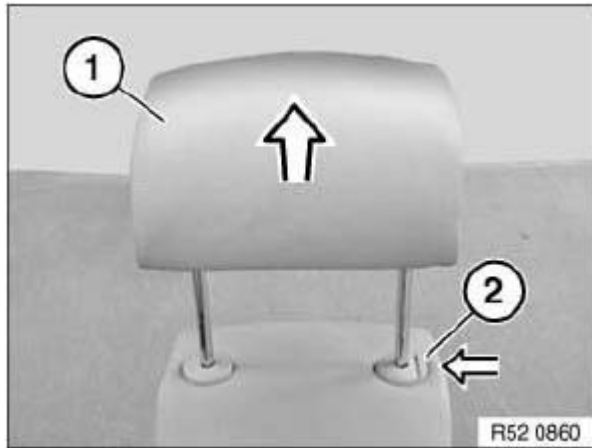


Fig. 166: Pulling Out Head Restraint

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 390 REMOVING AND INSTALLING OR REPLACING LEFT OR RIGHT REAR HEAD RESTRAINT

Press lock (2) and move head restraint upwards to maximum extent.

Pull out head restraint (1) firmly.

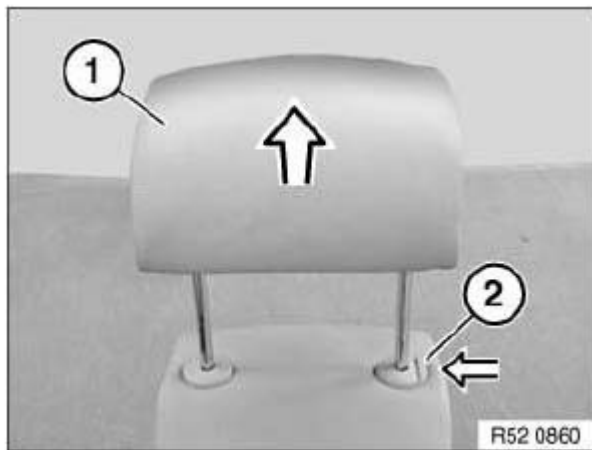


Fig. 167: Pulling Out Head Restraint

Courtesy of BMW OF NORTH AMERICA, INC.

52 26 400 REPLACING SEAT COVER FOR LEFT & RIGHT REAR

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

- Remove rear seat. See **52 26 000 Removing and Installing/Replacing Left Or Right Rear Seat (For 3Rd Seat Row)**
- Remove rear panel trim. See **52 26 .. Removing and Installing Left Or Right Rear Panel Trim**

Disengage welt in marked area from seat mechanism.

Disengage welt in marked area from seat mechanism.

Installation:

Make sure metal lugs in welt are correctly engaged.

Version with seat heating only:

Unfasten plug connection and disconnect.

Release retainers in marked area.

NOTE: Remove all remnants of clips from cover and support.

Installation:

Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in seat cover
5. Seat cover

Replacing seat cover:

Pull trim threads out of seat cover.

Cut new seat cover to size and insert trim wires.

52 26 400 REPLACING SEAT COVER FOR REAR SEAT (THROUGH-LOADING SYSTEM)

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove rear seat

Open tension cable (1).

Remove tension cable from wire eyelets (2).

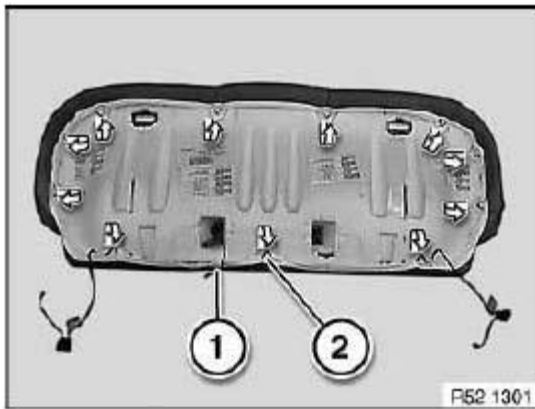


Fig. 168: Identifying Tension Cable

Courtesy of BMW OF NORTH AMERICA, INC.

Disconnect retainers in marked area

Remove all remnants of clips from cover and support.

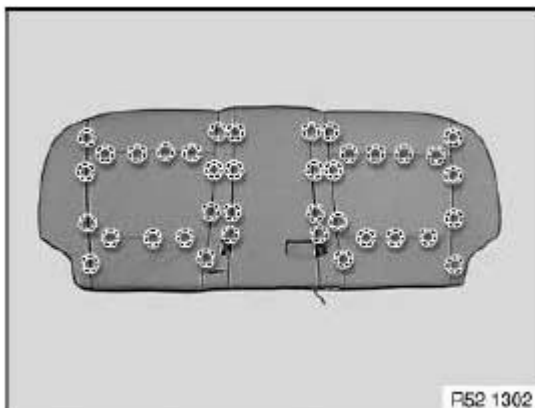


Fig. 169: Identifying Retainers Marked Area

Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim thread in padding

4. Trim thread in seat cover
5. Seat cover

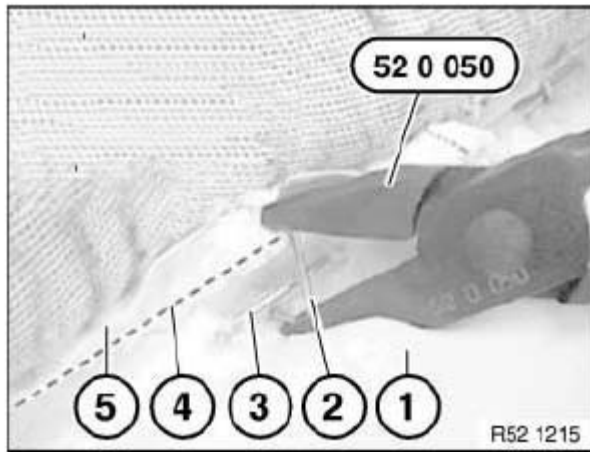


Fig. 170: Identifying Special Tool (52 0 050)
Courtesy of BMW OF NORTH AMERICA, INC.

52 26 411 REPLACING BACKREST COVER FOR LEFT REAR SEAT

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove rear seat. See **52 26 000 Removing and Installing/Replacing Left Or Right Rear Seat (For 3Rd Seat Row)**
- Remove rear panel trim. See **52 26 .. Removing and Installing Left Or Right Rear Panel Trim**

Disengage welt in marked area from seat mechanism.

Remove rear panel trim (1).

Installation:

Make sure metal lugs in welt are correctly engaged.

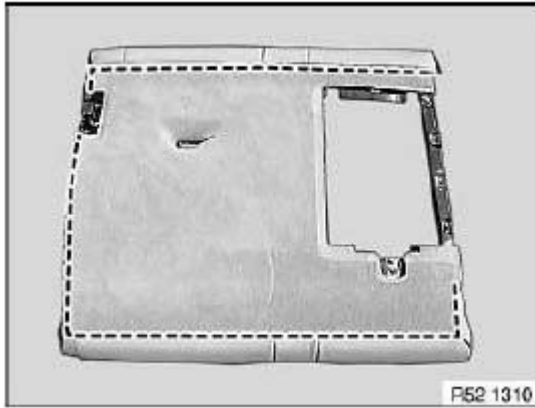


Fig. 171: Identifying Backrest Cover With Padding
Courtesy of BMW OF NORTH AMERICA, INC.

Version with seat heating only:

Unfasten plug connection and disconnect.

Release all retainers in marked area.



Fig. 172: Identifying Retainers Marked Area
Courtesy of BMW OF NORTH AMERICA, INC.

NOTE: Remove all remnants of clips from cover and support.

Installation:

Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding

4. Trim wire in seat cover
5. Seat cover

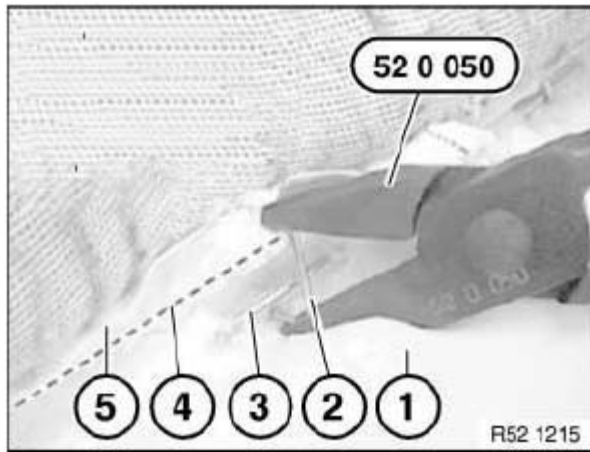


Fig. 173: Identifying Special Tool (52 0 050)
Courtesy of BMW OF NORTH AMERICA, INC.

Replacing seat cover:

- Pull trim threads out of seat cover.
- Cut new seat cover to size and insert trim wires.



Fig. 174: Identifying Trim Wires Into Cover Pockets
Courtesy of BMW OF NORTH AMERICA, INC.

52 26 411 REPLACING BACKREST COVER FOR REAR SEAT (THROUGH-LOADING SYSTEM) ON LEFT

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove left backrest cover. See **52 26 015 Removing and Installing/Replacing Left/Right Rear Seat Backrest (Throughloading)**
- Remove head restraint locators. See **52 26 .. Removing and Installing/Replacing Rear Left Or Right Head Restraint Mount (Through-Loading)**
- Remove ski bag. See **52 26 .. Removing and Installing/Replacing Ski Bag On Rear Seat (Through-Loading System)**
- Remove backrest actuator trim and lock trim. See **52 26 311 Removing and Installing/Replacing Lock For Left Or Right Rear Seat Backrest**

Release screws (1).

Feed trim (2) out of seat belt outlet.

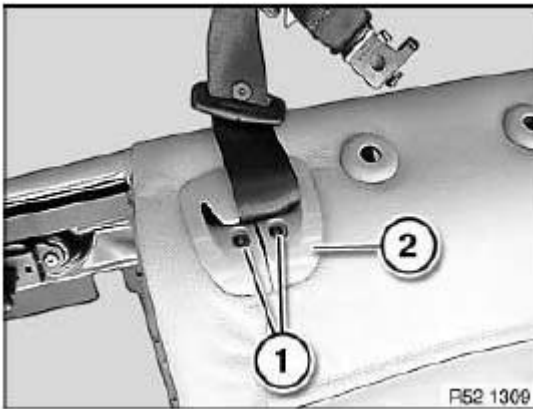


Fig. 175: Identifying Seat Belt Outlet Trim
Courtesy of BMW OF NORTH AMERICA, INC.

Lever out cover welt in marked area (1).

Lever trim wire (2) out of metal clasps (3).

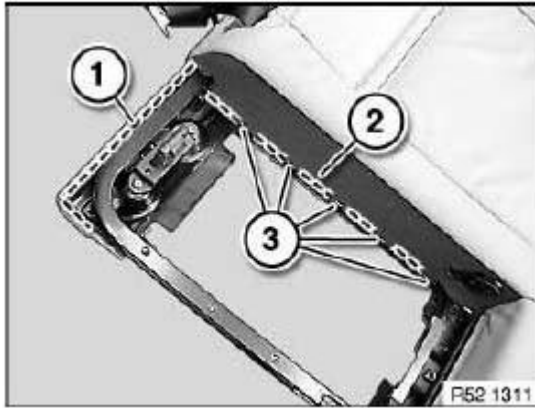


Fig. 176: Identifying Trim Wire Of Metal Clasps
Courtesy of BMW OF NORTH AMERICA, INC.

Lever out welt in marked area (1) from rear panel.

Lever out welt in marked area of rear panel.

Remove backrest cover with padding.

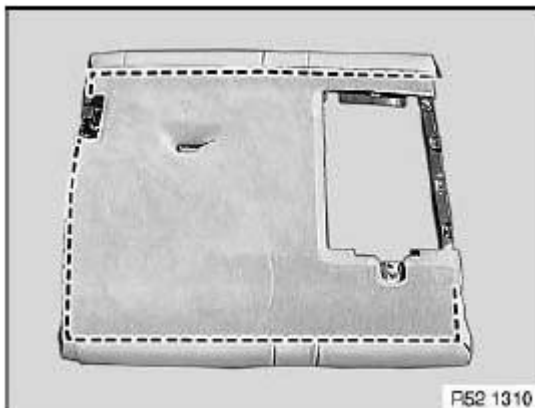


Fig. 177: Identifying Backrest Cover With Padding
Courtesy of BMW OF NORTH AMERICA, INC.

Detaching cover and padding:

- Release all retainers in marked area.
- Remove cover from padding
- Remove remaining retainers from cover and padding



Fig. 178: Identifying Retainers Marked Area
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in seat cover
5. Back-rest cover

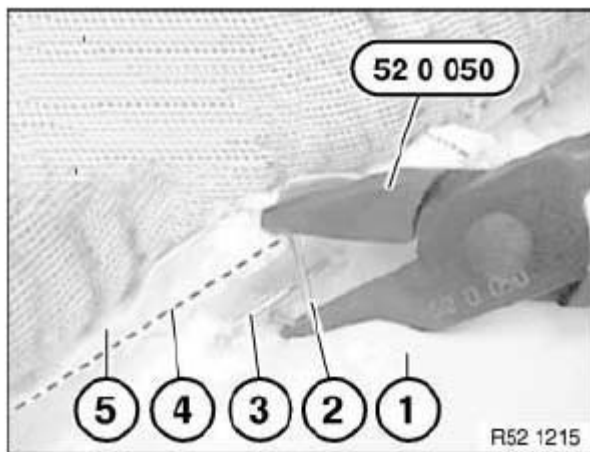


Fig. 179: Identifying Special Tool (52 0 050)
Courtesy of BMW OF NORTH AMERICA, INC.

Replacing cover:

- Pull all trim wires out of cover

- If necessary, cut pockets in new cover for trim wires
- Push trim wires into cover pockets



Fig. 180: Identifying Trim Wires Into Cover Pockets
Courtesy of BMW OF NORTH AMERICA, INC.

52 26 412 REPLACING BACKREST COVER FOR REAR SEAT (THROUGH-LOADING SYSTEM) ON RIGHT

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove right backrest cover. See **52 26 015 Removing and Installing/Replacing Left/Right Rear Seat Backrest (Throughloading)**
- Remove head restraint guides. See **52 26 .. Removing and Installing/Replacing Rear Left Or Right Head Restraint Mount (Through-Loading)**
- Remove backrest actuator trim and lock trim. See **52 26 311 Removing and Installing/Replacing Lock For Left Or Right Rear Seat Backrest**

Lever out welt in marked area.

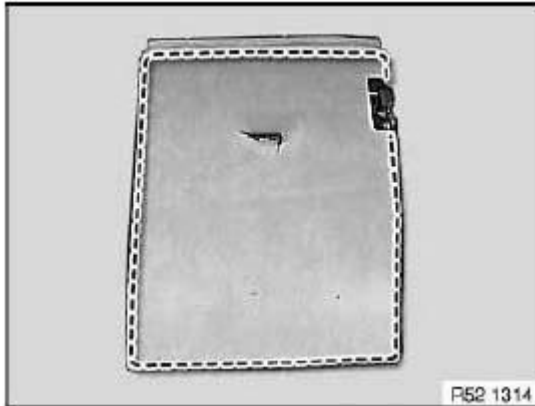


Fig. 181: Identifying Welt Marked Area
Courtesy of BMW OF NORTH AMERICA, INC.

Detaching cover and padding:

- Release all retainers in marked area
- Remove cover from padding
- Remove remaining retainers from cover and padding

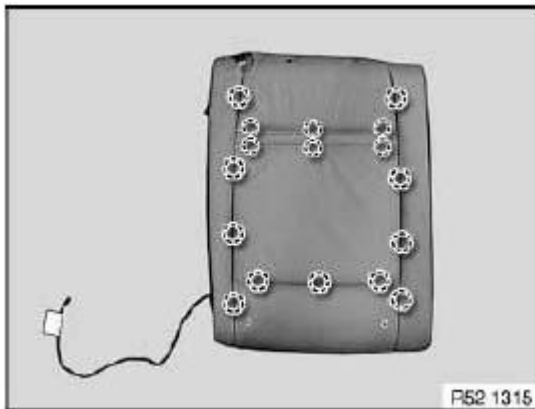


Fig. 182: Identifying Retainers Marked Area
Courtesy of BMW OF NORTH AMERICA, INC.

Installation:

Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in seat cover

5. Back-rest cover

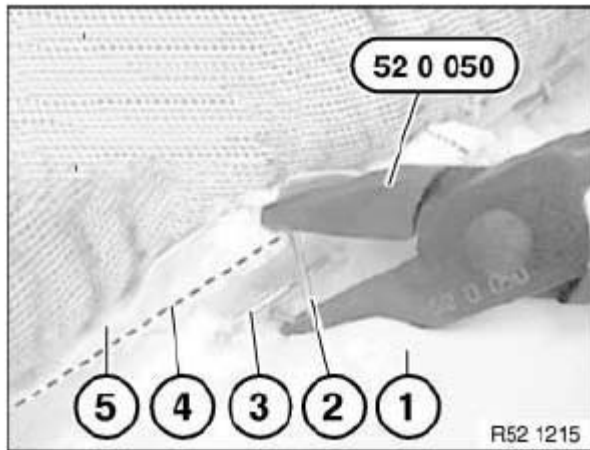


Fig. 183: Identifying Special Tool (52 0 050)
 Courtesy of BMW OF NORTH AMERICA, INC.

Replacing cover:

- Pull all trim wires out of cover
- If necessary, cut pockets in new cover for trim wires
- Push trim wires into cover pockets

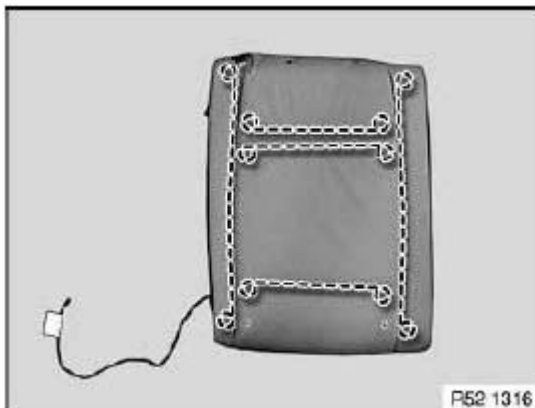


Fig. 184: Identifying Trim Wires Cover Pockets
 Courtesy of BMW OF NORTH AMERICA, INC.

52 26 412 REPLACING BACKREST COVER FOR RIGHT REAR SEAT

Special tools required:

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove right rear seat. See **52 26 085 Removing and Installing/Replacing Backrest Frame For Right Rear Seat (Through-Loading System)**
- Remove head restraint locators. See **52 26 .. Removing and Installing/Replacing Rear Head Restraint Locator**
- Remove trim for rear seat back actuator. See **52 26 .. Removing and Installing Release Unit Trim**
- Remove rear panel trim. See **52 26 .. Removing and Installing Left Or Right Rear Panel Trim**

Lever welt in marked area (1) out of backrest frame.

Remove backrest cover with padding.

Detaching cover and padding:

- Release all retainers in marked area
- Remove cover from padding
- Remove remaining retainers from cover and padding

Installation:

Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in seat cover
5. Backrest cover

Replacing cover:

- Pull all trim wires out of cover
- If necessary, cut pockets in new cover for trim wires
- Push trim wires into cover pockets

52 26 450 REPLACING PADDING FOR REAR SEAT (THROUGH - LOADING SYSTEM)

Operation is identical to:

Replacing seat cover for rear seat. See **52 26 400 Replacing Seat Cover For Rear Seat (Through-Loading System)**.

52 30 .. REMOVING AND INSTALLING ALL VENTILATION GRILLES ON CENTRE CONSOLE

Version with rear cabin fan only:

Unclip ventilation grille (1).

Unclip operating unit (1).

Unclip lever (1) from operating unit.

Unclip air outlet grille (1) on left and right with plastic wedge.

52 30 .. REMOVING AND INSTALLING MIDDLE TRIM FOR 3RD SEAT ROW

Necessary preliminary tasks:

- Remove centre console. See **52 30 010 Removing and Installing/Replacing Centre Console For 3Rd Seat Row**

Release screws (1).

Remove trim from assembly frame.

Installation:

Make sure guides are correctly seated in assembly frame.

52 30 .. REMOVING AND INSTALLING OUTER TRIM FOR 3RD SEAT ROW

Necessary preliminary tasks:

- Remove lashing rail in luggage compartment floor. See **51 47 135 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT LASHING RAIL IN LUGGAGE COMPARTMENT FLOOR**

Unclip trim (1) and remove from assembly frame.

52 30 .. REMOVING AND INSTALLING/REPLACING REAR LEFT OR RIGHT HEAD RESTRAINT GUIDE

Necessary preliminary tasks:

- Remove head restraint. See **52 30 390 Removing and Installing Or Replacing Left Or Right Rear Head Restraint**

Press backrest cover with padding next to guide downwards to expose detent lugs.

Unlock detent lugs on left and right with screwdriver and remove guide towards top.

IMPORTANT: Risk of damage! Tape off backrest cover next to head restraint guide.

52 30 .. REPLACING ASSEMBLY FRAME FOR 3RD SEAT ROW

Necessary preliminary tasks:

- Remove gap cover. See **52 30 020 Removing and Installing Gap Cover For Floor Panel On Left Or Right**
- Remove seat backrest frame on left and right. See **52 30 080 Removing and Installing/Replacing Left Seat Backrest Frame** or **52 30 085 Removing and Installing/Replacing Right Seat Backrest Frame**.
- Remove centre lower strap fitting.
- Remove belt lock on left and right
- If necessary, remove rear cabin fan
- Remove control units for seat heating

Overview of assembly frame

52 30 000 REMOVING AND INSTALLING COMPLETE 3RD SEAT ROW

Necessary preliminary tasks:

- Remove lashing rail in luggage compartment floor. See **51 47 135 REMOVING AND INSTALLING/REPLACING LEFT OR RIGHT LASHING RAIL IN LUGGAGE COMPARTMENT FLOOR**
- Remove panel for luggage compartment at bottom. See **51 47 .. REMOVING AND INSTALLING/REPLACING BOTTOM LEFT OR RIGHT TRIM PANEL FOR LUGGAGE COMPARTMENT (WITH 3RD SEAT ROW)**

Unclip cover (1) on left and right and remove in direction of arrow.

Installation:

Replace faulty cover.

Release screws (1).

Tightening torque 52 30 01AZ. See **52 30 3RD SEAT ROW**

Access to front screw (2) concealed by trim (1).

Unclip trim (1) towards top.

Release screws (2) and (3).

Tightening torque 52 30 01AZ. . See **52 30 3RD SEAT ROW**

Fold rear seat backwards forwards.

Release screws (1).

Tightening torque 52 30 01AZ. See **52 30 3RD SEAT ROW**

Unlock plug connection (1) and disconnect. See **72 12 .. UNLOCKING/LOCKING AIRBAG PLUG CONNECTIONS**

IMPORTANT: Risk of damage! Cover sill and entrance area with protective covers.

Unlock plug connection (1) and disconnect. Important! Risk of damage! Cover sill and entrance area with protective covers. Lift rear seat with a 2nd person helping out of vehicle.

52 30 010 REMOVING AND INSTALLING/REPLACING CENTRE CONSOLE FOR 3RD SEAT ROW

Release screws (1).

Remove centre console (1) towards top.

Installation:

Feed centre console (1) with guides into trim (2).

Version with rear cabin fan only:

Unclip ventilation grille (1).

Unclip operating unit (1).

Set down operating unit (1) in downward direction in centre console.

Lift centre console (1) on left and right over air outlet. Remove centre console (1) towards top.

Installation:

Feed centre console (1) with guides into trim (2).

52 30 020 REMOVING AND INSTALLING GAP COVER FOR FLOOR PANEL ON LEFT OR RIGHT

Necessary preliminary tasks:

- Remove luggage compartment floor panel

Release screws (1).

Remove gap cover (2).

52 30 030 REMOVING AND INSTALLING FRONT TRIM FOR 3RD SEAT ROW ON LEFT OR RIGHT

Release screws (1).

Remove trim (2).

52 30 080 REMOVING AND INSTALLING/REPLACING LEFT SEAT BACKREST FRAME

Necessary preliminary tasks:

- Remove 3rd seat row. See **52 30 000 Removing and Installing Complete 3Rd Seat Row.**
- Remove backrest cover. See **52 30 413 Removing and installing/replacing backrest cover for left or right rear seat.**
- Removing actuating mechanism for rear seat backrest. See **52 30 303 Removing and Installing/Replacing Actuating Mechanism For Rear Seat Backrest.**
- Remove outer trim. See **52 30 .. Removing and Installing Outer Trim For 3Rd Seat Row.**

Detach Starlock washer (1) from shaft.

Remove shaft.

Installation:

Detach Starlock washer (1) from shaft. Remove shaft. Installation: Fit left and right plastic sleeves on shaft.

Release fitting screws (1).

Tightening torque: 52 30 02AZ. . See **52 30 3RD SEAT ROW**

Release outer bearing screw (1).

Tightening torque: 52 30 03AZ. See **52 30 3RD SEAT ROW**

Remove seat backrest frame (2) from assembly frame.

Replacement only:

- Removing seat fabric. See **52 30 405 Removing and Installing/Replacing Seat Cover For Left Or Right Rear Seat.**

Operation is identical to:

- Removing right seat backrest frame. See **52 26 412 Replacing Backrest Cover For Rear Seat (Through-Loading System) On Right.**

52 30 201 REMOVING AND INSTALLING/REPLACING REAR PANEL ON LEFT OR RIGHT REAR SEAT BACKREST

Necessary preliminary tasks:

- Remove trim for release unit. See **52 30 303 Removing and Installing/Replacing Actuating Mechanism For Rear Seat Backrest.**

NOTE: The right side is removed in the same way as the left side.

Unclip rear panel from backrest frame.

Installation:

Replace faulty clips.

Insert rear panel with guide at bottom into backrest.

52 30 251 REPLACING BOWDEN CABLE FOR LEFT OR RIGHT REAR SEAT BACKREST

Necessary preliminary tasks:

- Disengage Bowden cable nipple from actuating unit. See **52 30 303 Removing and Installing/Replacing Actuating Mechanism For Rear Seat Backrest.**

Unclip Bowden cable (1) from backrest frame.

Unhook Bowden cable nipple (2).

Feed out Bowden cable from backrest frame.

52 30 303 REMOVING AND INSTALLING/REPLACING ACTUATING MECHANISM FOR REAR SEAT BACKREST

Necessary preliminary tasks:

- Remove backrest cover. See **52 30 413 Removing and installing/replacing backrest cover for left or right rear seat.**

Unclip trim (1) and feed out from release lever (2)

Installation:

Retaining lugs must not be damaged.

If necessary, replace faulty trim (1).

Press in detent lugs and remove release unit (1).

Disengage Bowden cable sleeve (1) from actuating unit (2).

Carefully press retaining lug (1) back with screwdriver and feed Bowden cable nipple (2) out of actuating unit.

52 30 390 REMOVING AND INSTALLING OR REPLACING LEFT OR RIGHT REAR HEAD RESTRAINT

Move head restraint (1) upwards to maximum extent.

Press lock (2) and pull out head restraint.

52 30 405 REMOVING AND INSTALLING/REPLACING SEAT COVER FOR LEFT OR RIGHT REAR SEAT**Special tools required:**

- 52 0 050. See **52 0 050 PLIERS**

Necessary preliminary tasks:

- Remove front trim. See **52 30 030 Removing and Installing Front Trim For 3Rd Seat Row On Left Or Right.**

Open tension cable (1).

Disengage welt (2) from seat frame.

Disengage tensioning cable over wire eyelets.

Remove seat cover with padding from seat frame.

Release all retainers in marked area.

Remove seat cover from padding.

NOTE: Remove all remnants of retainers from seat cover and support.

Installation:

Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS** .

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in seat cover
5. Seat cover

Replacing seat cover:

Pull trim wires out of seat cover.

Cut new seat cover to size and insert trim wires.

52 30 413 REMOVING AND INSTALLING/REPLACING BACKREST COVER FOR LEFT OR RIGHT REAR SEAT

Special tools required:

- 52 0 050. See **52 0 050 PLIERS** .

Necessary preliminary tasks:

- Remove rear panel
- Remove head restraint guide. See **52 30 .. Removing and Installing/Replacing Rear Left Or Right Head Restraint Guide.**

Disengage welt in marked area from backrest frame.

Move backrest back.

Lever out welt in marked area from backrest frame.

Remove backrest cover with padding.

Open Velcro-type fastener in marked area.

Detaching cover and padding:

- Release all retainers in marked area
- Remove cover from padding
- Remove all remnants of retainers from cover and padding

Installation:

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Insert new retainer (2) with special tool 52 0 050 and bend closed. See **52 0 050 PLIERS**

1. Padding
2. Retainer
3. Trim wire in padding
4. Trim wire in seat cover
5. Backrest cover

Replacing seat cover:

- Pull all trim wires out of backrest cover
- If necessary, cut pockets for trim wires in new backrest cover
- Push trim wires into backrest cover pockets