

520 Seats

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GENERAL

This repair group covers removal and installation of the front and rear seats.

See also:

- ECL Electrical Component Locations
- ELE Electrical Wiring Diagrams

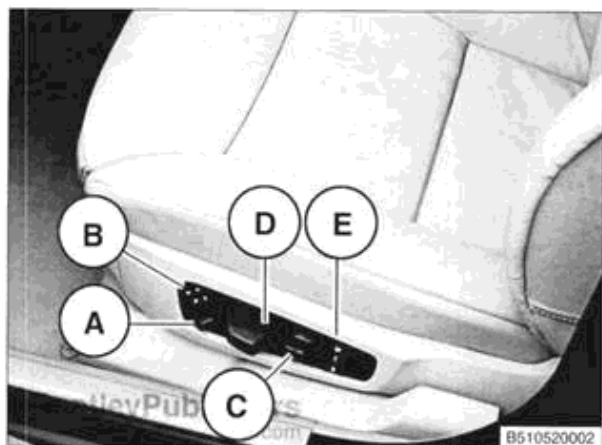
Seat memory

- ◀ Seat and outside rear-view mirror positions can be memorized and stored in the seat control module for two different users. The seat control module is mounted to the bottom of the seat (**inset**).



520-2 Seats

Seat memory position, setting



Seat memory position, setting

- With transmission range selector in P, switch ignition ON and adjust seat and mirrors to desired position.

➤ Press **M** on memory switch and press one of the two memory switches (**E**).

- The current position of the mirrors, seat and steering column is now stored in memory.

Power seat controls.

- **A** — Thigh support
- **B** — Lumbar support
- **C** — Backrest width adjustment
- **D** — Seat adjustment
- **E** — Memory buttons

FRONT SEATS

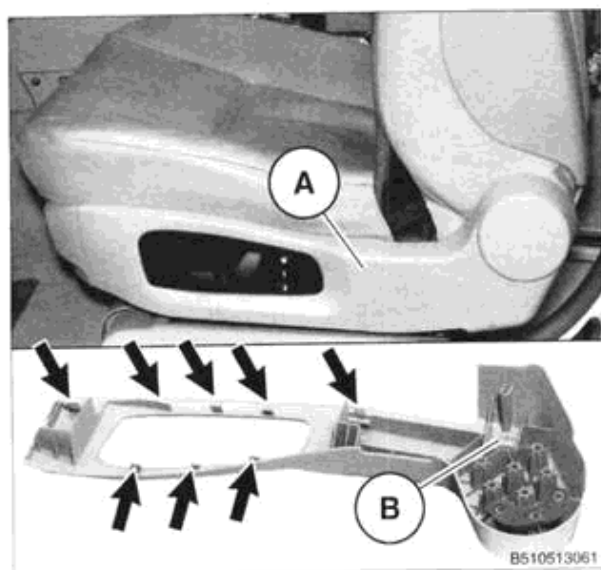
Seat repair and component replacement is possible once the seat is removed from the vehicle. Before servicing front seats read safety regulations on handling pyrotechnic seat belt tensioners. See **720 Seat Belts** and **721 Airbag System (SRS)**.

WARNING —

- The front seats are equipped with pyrotechnic seat belt tensioners. These tensioners are powerful devices. Handle with extreme care. Incorrect handling can trigger off the airbag or tensioner and cause injury.
- BMW recommends that repair or replacement work on airbag and pyrotechnic devices be carried out by a qualified BMW technician.
- Be sure to disconnect the battery and wait 30 seconds before attempting to work on pyrotechnic devices.
- During body straightening and welding with an electric arc welder, disconnect the battery and the connection to the pyrotechnic gas generators.

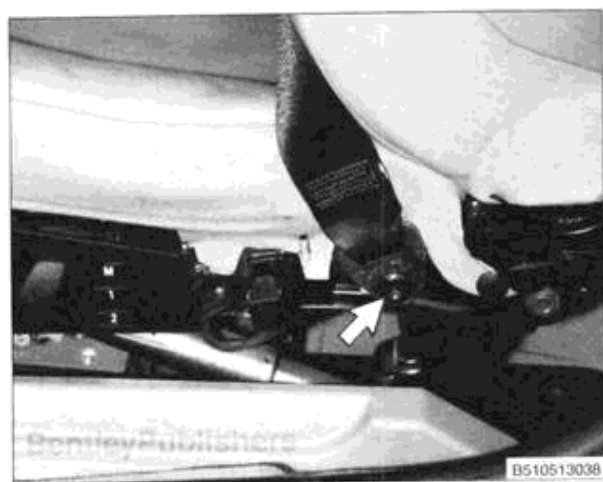
Front seat, removing and installing

- Using a plastic prying tool, release retaining tabs (**arrows**) for for seat trim (**A**). Lift seat trim up to release tab **B** and remove.



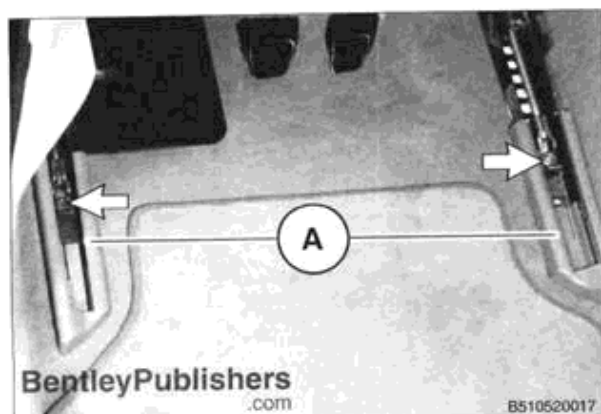
- Remove fastener (**arrow**) for seat belt and discard. Disconnect seat belt from tab and lay aside.

— Move seat as far forward as possible.



- Remove rear seat trim covers (**A**) and mounting bolts (**arrows**). Discard mounting bolts.

— Move seat as far back as possible.

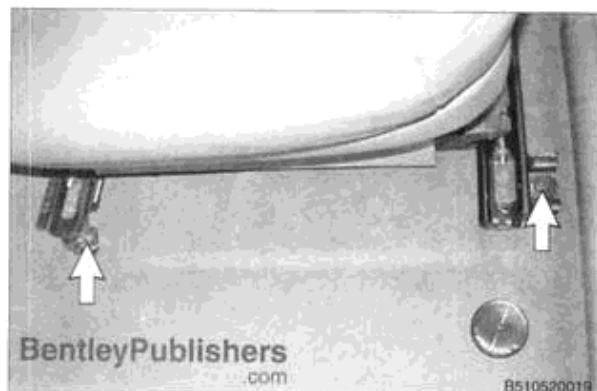


520-4 Seats

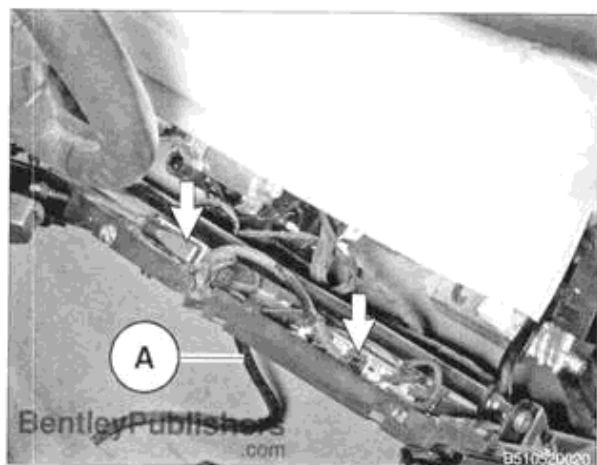
Front seat, removing and installing



- Remove front seat rail trim covers (**arrows**).



- Remove front seat mounting bolts (**arrows**) and discard.
- Tilt seat back and remove front trim cover.



- Disconnect electrical connectors (**arrows**) and unclip harness (**A**) from seat bottom.
- Cover door sill with protective covers and remove front seat from car.

CAUTION—

- Use a blanket to protect the seat upholstery from damage if placing the seat upside down for repairs.

- Installation is reverse of removal. Use wire ties or equivalent means to keep seat harness wiring from fraying.

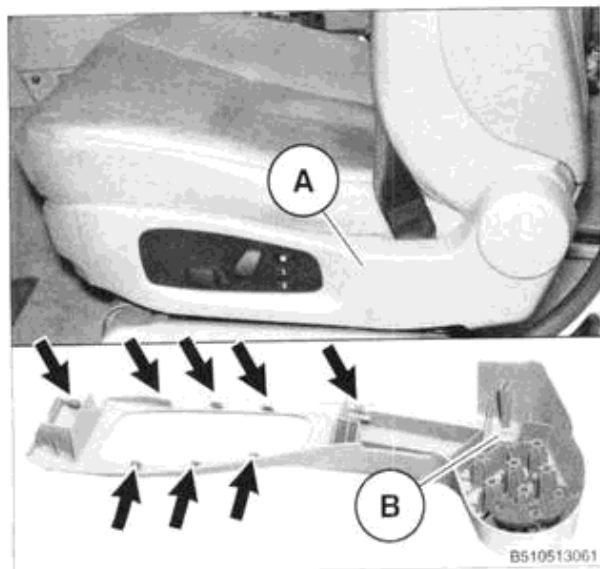
Tightening torques

Front seat to floor (replace bolts)	44 Nm (32.4 ft-lb)
Seatbelt to front seat (replace bolt)	36 Nm (26.5 ft-lb)

Front seat control switch, removing and installing

- Move seat as far forward as possible and to fully raised position.

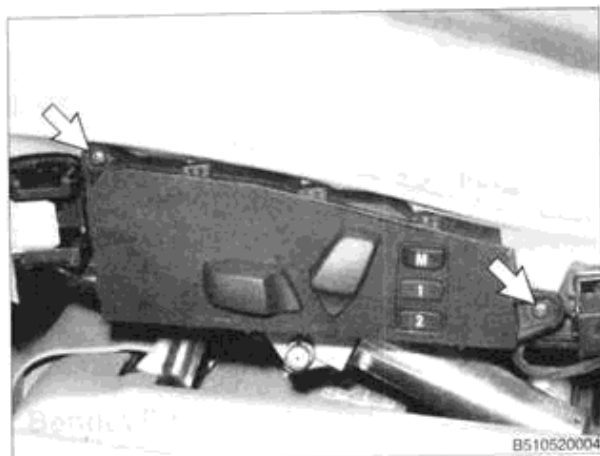
- Using a plastic prying tool release retaining tabs (arrows) for seat trim (A). Lift seat trim up to release tab B and remove.



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- Remove seat control switch fasteners (arrows).

- Disconnect seat switch electrical connector and remove seat switch.
- Installation is reverse of removal.



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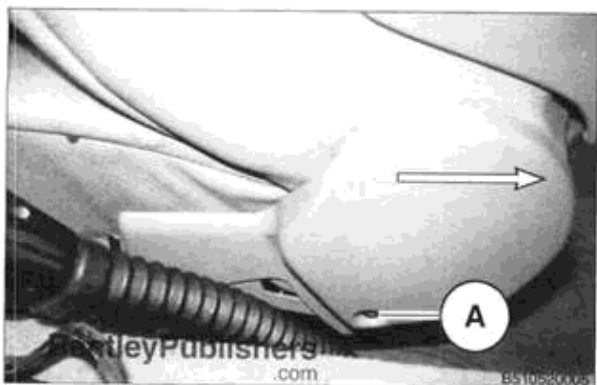
Passenger seat occupancy sensor

Vehicles covered by this manual are equipped with a passenger seat occupancy sensor in the passenger seat cushion. This device is part of the two-stage deployment airbag system. Access to the seat occupancy sensor is described below. 5 Series models use an OC3 mat which is integrated in the seat cushion. The seat cushion and occupancy mat are replaced as a unit.

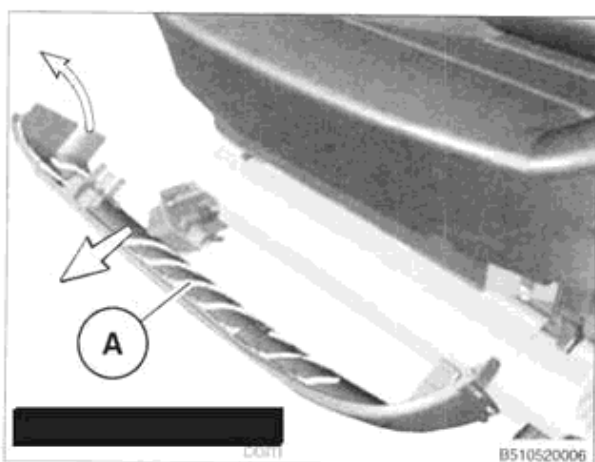
- Using BMW scan tool, disable occupancy detection mat from restraint control module.
- Remove passenger seat. See **Front seat, removing and installing** in this repair group.
- Remove front seat backrest rear panel. See **Front seat backrest rear panel, removing and installing** in this repair group.
- Remove seat control switches. See **Front seat control switches, removing and installing** in this repair group.

520-6 Seats

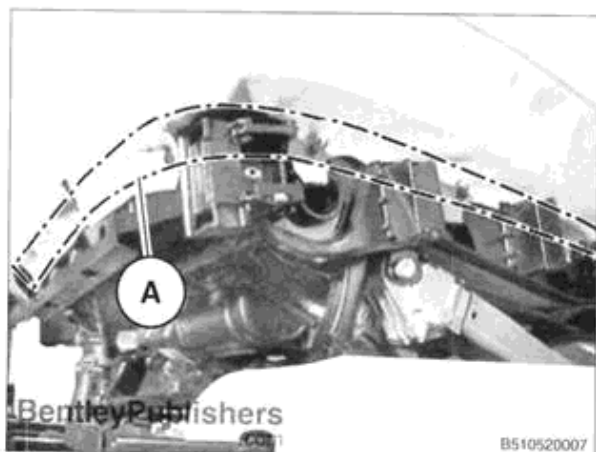
Passenger seat occupancy sensor



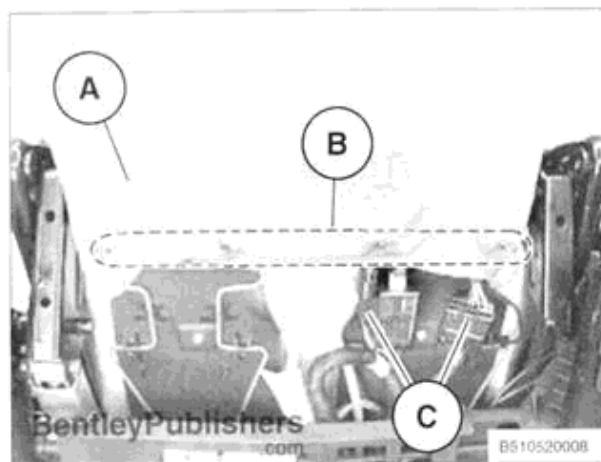
- Remove fastener (A) and remove trim panel in direction of **arrow**.



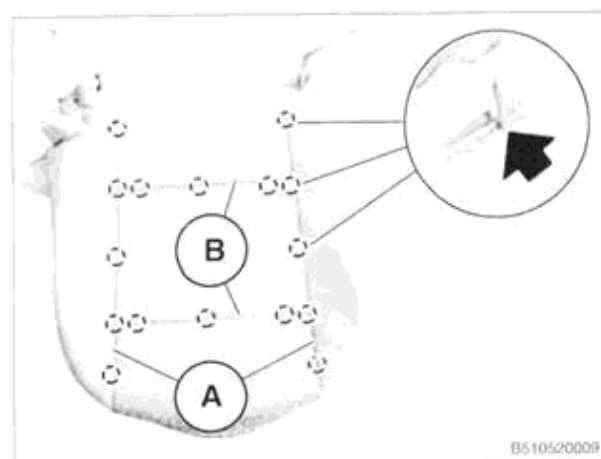
- Remove seat front trim (A) by pressing side out (**curved arrows**) and pulling forward (**arrow**).



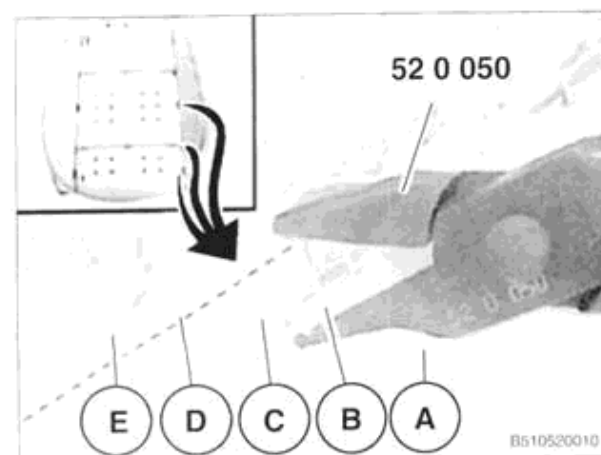
- Unhook seat cover from retaining points (A).



- Unhook seat cover (A) in area B. Disconnect electrical connectors (C) and remove seat cover with cushion.



- Detach all retainers (inset) in side area from longitudinal wires (A). Carefully fold back seat cover and release retainers from cross-wires (B).
- Remove seat cover from cushion.



- Using BMW special tool 52 0 050, bend new clip (B) closed.
- A - Padding
- B - Clips
- C - Trim wire in seat cover
- D - Trim wire in cushion
- E - Seat cover
- Remainder of installation is reverse of removal. Remember to enable occupancy mat with BMW scan tool.

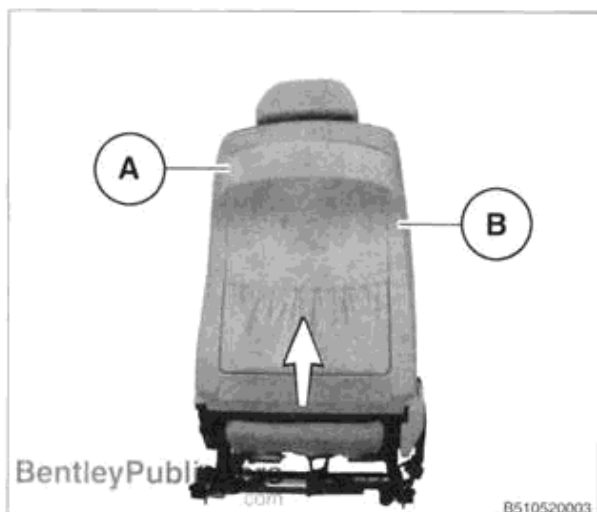
520-8 Seats

Front seat backrest rear panel, removing and installing

Front seat backrest rear panel, removing and installing

The back of the front seat is accessible by removing the rigid backrest panel.

Left side seat is shown. When servicing right seat, transpose the pull and striking sides accordingly.

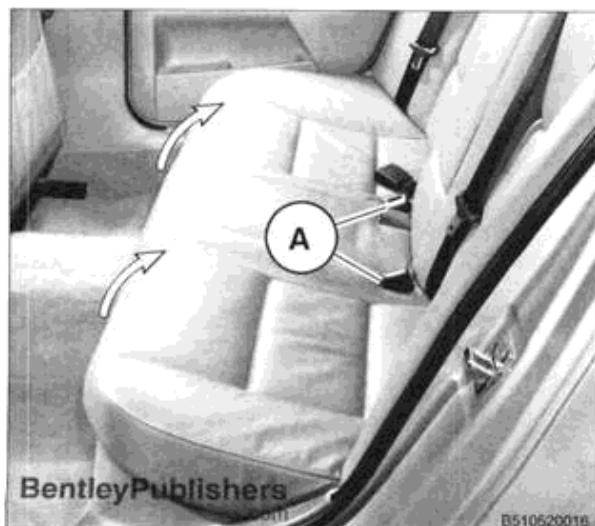


- Grip between rear panel and backrest cover (A) on door side until clip can be felt. Do not pull on panel.
- At same time, firmly push towards middle of seat on inner side (B) at top. Upper retainers release out of seat guide.
- Pull rear panel up (arrow) out of lower guides.
- Installation is reverse of removal. Remember to replace damaged panel clips.

REAR SEATS

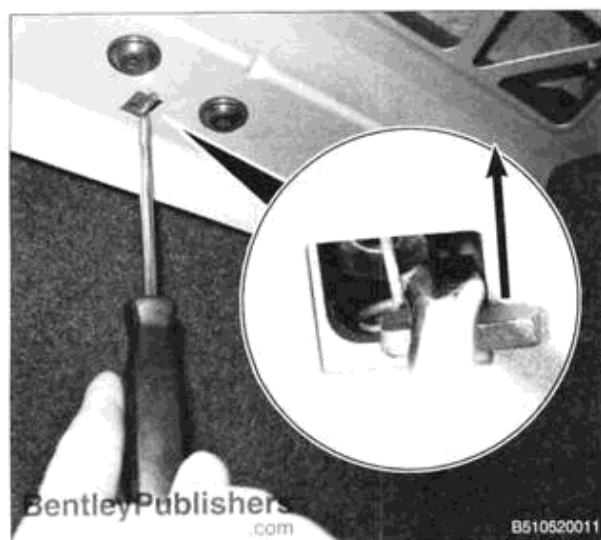
Rear seat, removing and installing (Sedan)

- Pull seat cushion up and away (arrows) from pedestal and feed seat belt buckles (A) through opening in seat. Lift out rear seat.

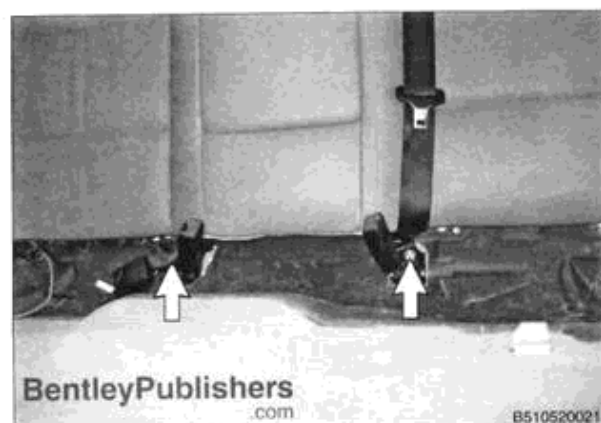




- Working in trunk, locate backrest locks (**inset**).



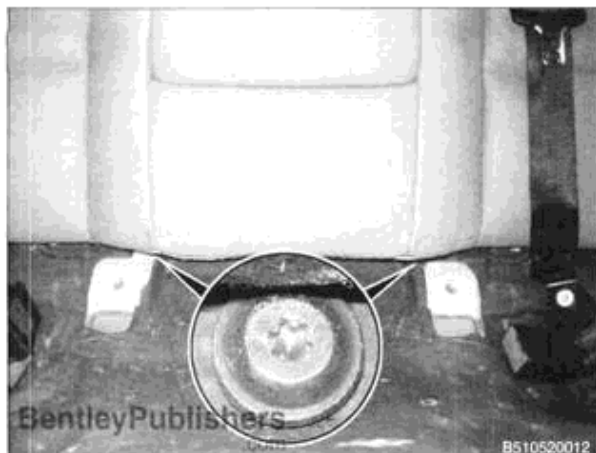
- Using a screwdriver, release backrest lock (**inset**) in direction of arrow.



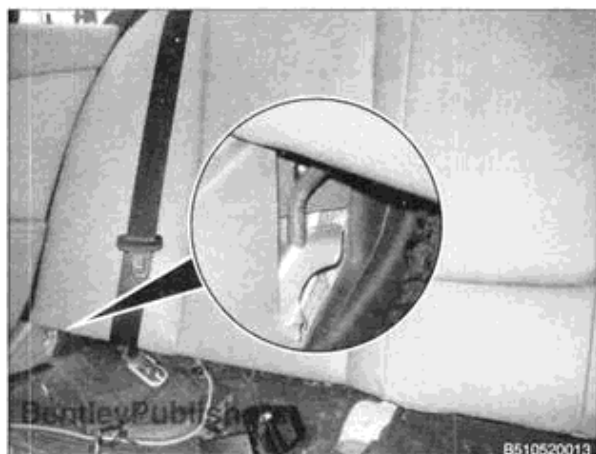
- Remove seat belt buckle fasteners (**arrows**) and discard. Remove seat belt buckles.

520-10 Seats

Rear seat headrest, removing and installing (Sedan)



- Working at center of rear seat, remove backrest fasteners (**inset**).



- Tilt backrest forward while lifting guides (**inset**) out of body panel.
- Lift backrest while feeding out seat belts and remove backrest.
- Installation is reverse of removal.

Tightening torque

Seat belt buckle to body (replace fastener)	36 Nm (26.5 ft-lb)
Rear seat belt to body	31 Nm (22.8 ft-lb)

Rear seat headrest, removing and installing (Sedan)

- Remove rear seat backrest. See **Rear seat, removing and installing (Sedan)** in this repair group.
- Slide headrest as far up as possible.
- Press lock (**B**) and pull headrest (**A**) upward to remove.
- Installation is reverse of removal.

