

2002 ACCESSORIES & EQUIPMENT

Seats - RAV4

FRONT SEAT

COMPONENTS

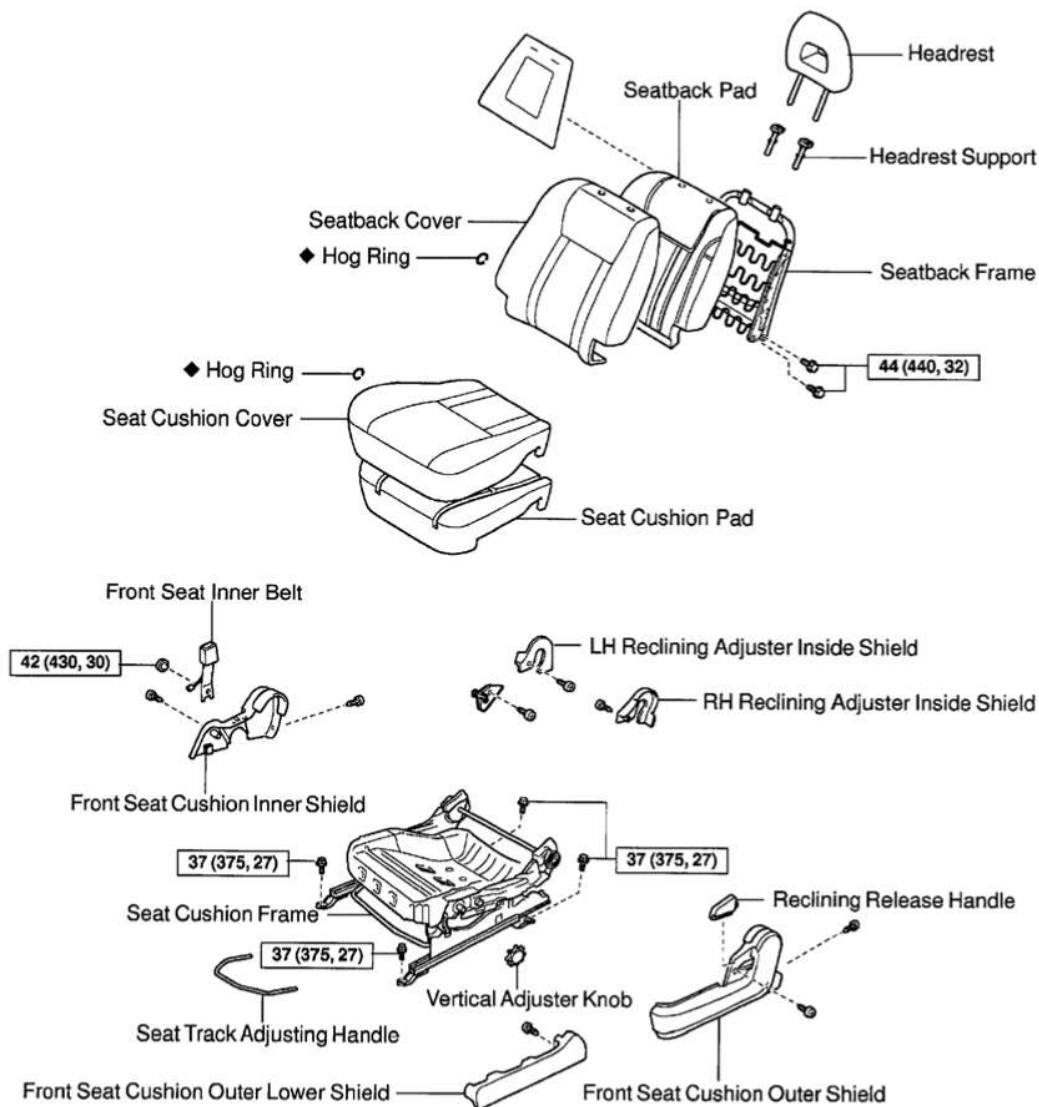


Fig. 1: Identifying Front Seat Components

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL

Remove Front Seat

Remove the 4 bolts and front seat.

NOTE: Be careful not to damage the body.

DISASSEMBLY

1. Remove headrest .
2. Remove vertical adjuster knob .

Using a screwdriver, remove the clip and vertical adjuster knob.

NOTE: Tape the screwdriver tip before use.

3. Remove reclining adjuster release handle .

Using a screwdriver, remove the reclining adjuster release handle.

NOTE: Tape the screwdriver tip before use.

4. Remove front seat cushion outer shield .

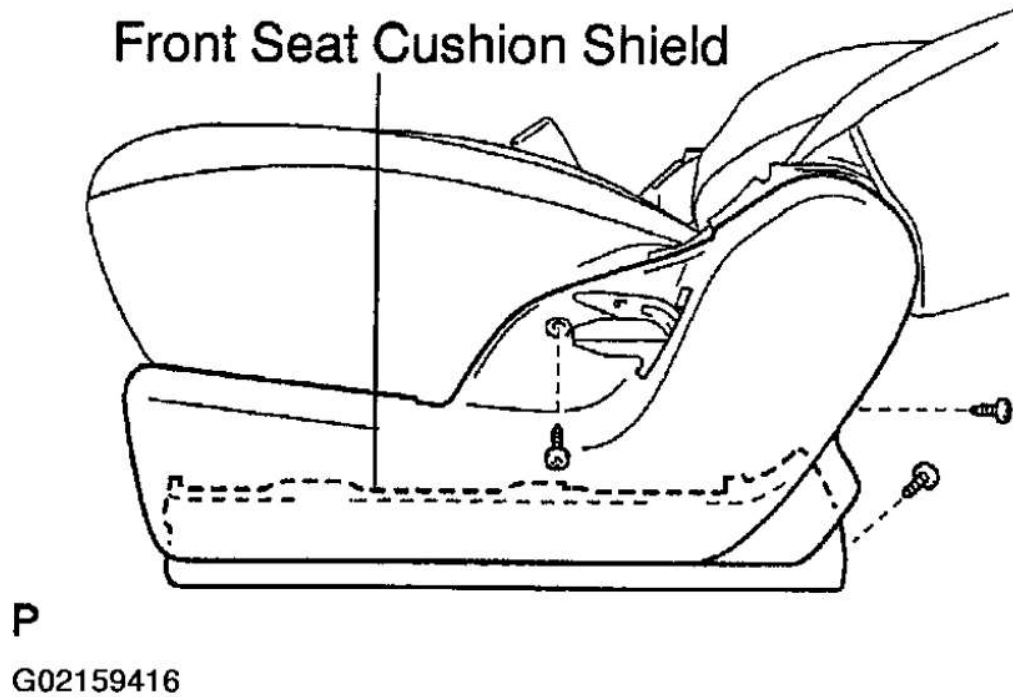


Fig. 2: Removing Front Cushion Outer Shield
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Remove the 3 screws, front seat cushion outer shield and front seat cushion outer lower shield.

5. **Remove front seat cushion inner shield .**

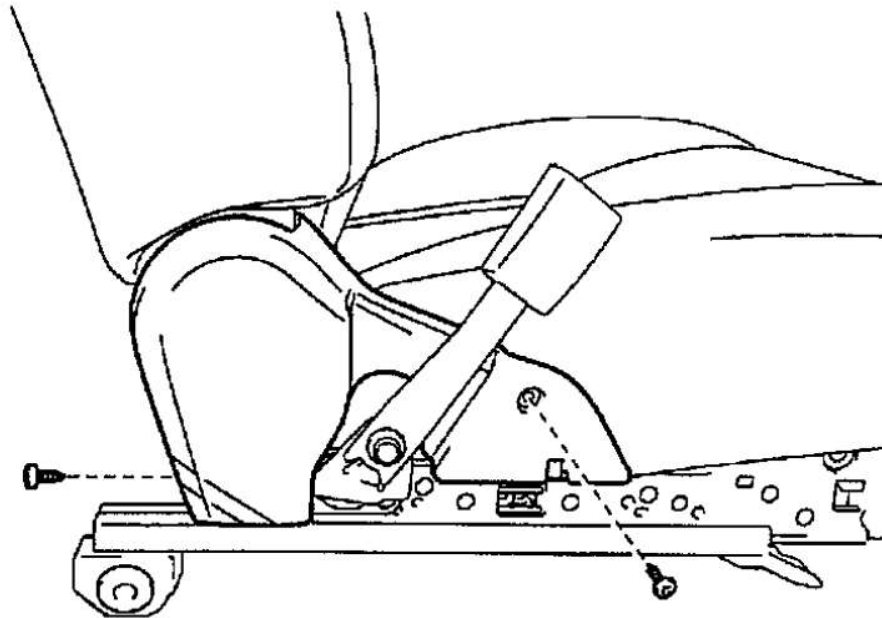
**P****G02159417**

Fig. 3: Removing Front Seat Cushion Inner Shield
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Remove the 2 screws and front seat cushion inner shield.

6. Remove front seat inner belt .

Remove the bolt and front seat inner belt.

7. Remove seatback assembly .

- a. Remove the hog rings.
- b. Turn over the seatback cover.
- c. Remove the 4 bolts and seatback assembly.

8. Remove seatback cover .

- a. Remove the headrest supports.
- b. Remove the seatback cover with pad from the seatback frame.
- c. Remove the hog rings, then remove the seatback cover.

9. Remove seat cushion cover .

- a. Remove the hog rings, then remove the seat cushion cover with pad from the seat cushion frame.

- b. Remove the hog rings, then remove the seat cushion cover from the pad.

10. **Remove RH reclining adjuster inside shield .**

Remove the screw and RH reclining adjuster inside shield.

11. **Remove LH reclining adjuster inside shield .**

Remove the screw and LH reclining adjuster inside shield.

12. **Remove seat track adjusting handle .**

13. **Remove front seat cushion lower shield .**

INSPECTION

Inspect Reclining Lock Position And Sliding Lock Position Slipping Off

- a. When reclining the seat, inspect that the outer and inner reclining are released at the same time.

NOTE: **When the reclining lock positions slip off, disassemble the seat to adjust the positions.**

- b. When sliding the seat, inspect that the outer and inner tracks are locked at the same time.

NOTE: **When sliding lock positions slip off, and adjust the positions.**

REASSEMBLY

1. **Install front seat cushion lower shield .**
2. **Install seat track adjusting handle .**
3. **Install RH reclining adjuster inside shield .**

Install the RH reclining adjuster inside shield with the screw.

4. **Install LH reclining adjuster inside shield .**

Install the LH reclining adjuster inside shield with the screw.

5. **Install seat cushion cover .**

- a. Install the seat cushion cover with the new hog rings to the seat cushion pad.
 - b. Install the seat cushion cover with pad to the seat cushion frame with new hog rings.

NOTE: **When installing hog rings, take care to prevent wrinkles as little as possible.**

6. Install seatback cover .

- a. Install the seatback cover with the new hog rings to the seatback pad.
- b. Install the seatback cover with pad to the seatback frame.

NOTE: **When installing hog rings, take care to prevent wrinkles as little as possible.**

- c. Install the headrest supports.

7. Install seatback assembly .

- a. Install the seatback assembly and tighten the 4 bolts temporarily, starting from the front side bolt on the outer side tighten them completely.

Torque: 44 N.m (440 kgf.cm, 32 ft..lbf)

- b. Install the seatback assembly with new hog rings to the seat back frame.

NOTE: **When installing hog rings, take care to prevent wrinkles as little as possible.**

8. Install front seat cushion inner shield .

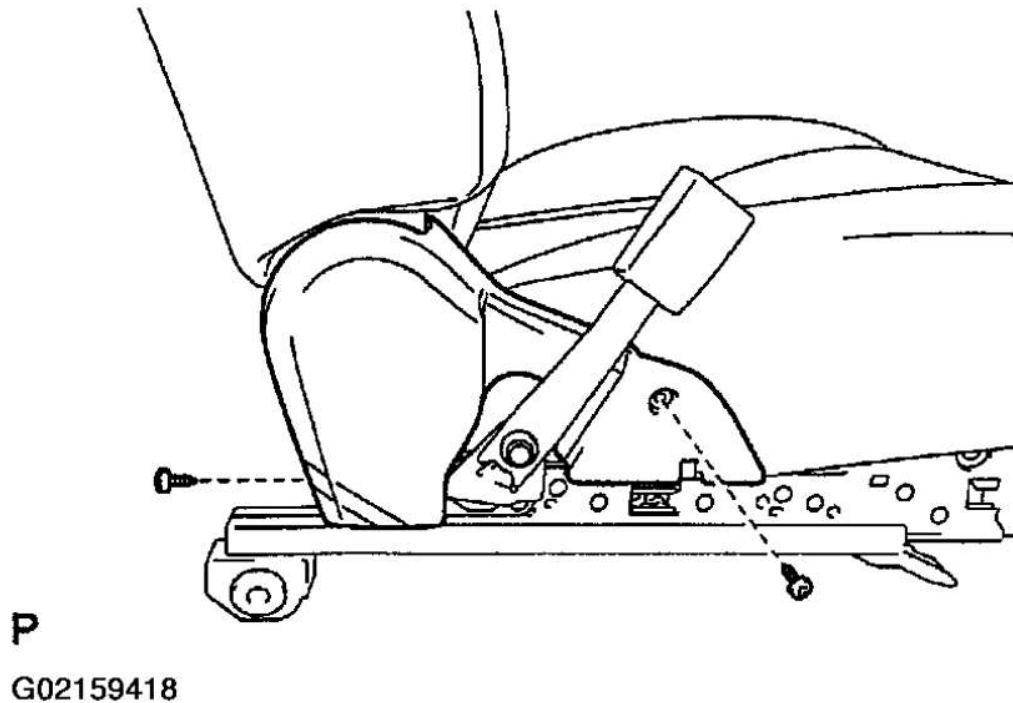


Fig. 4: Installing Front Seat Cushion Inner Shield
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Install the front seat cushion inner shield with the 2 screws.

9. Install front seat inner belt .

Install the front seat inner belt with the bolt.

Torque: 42 N.m (430 kgf.cm, 30 ft..lbf)

10. Install front seat cushion outer shield .

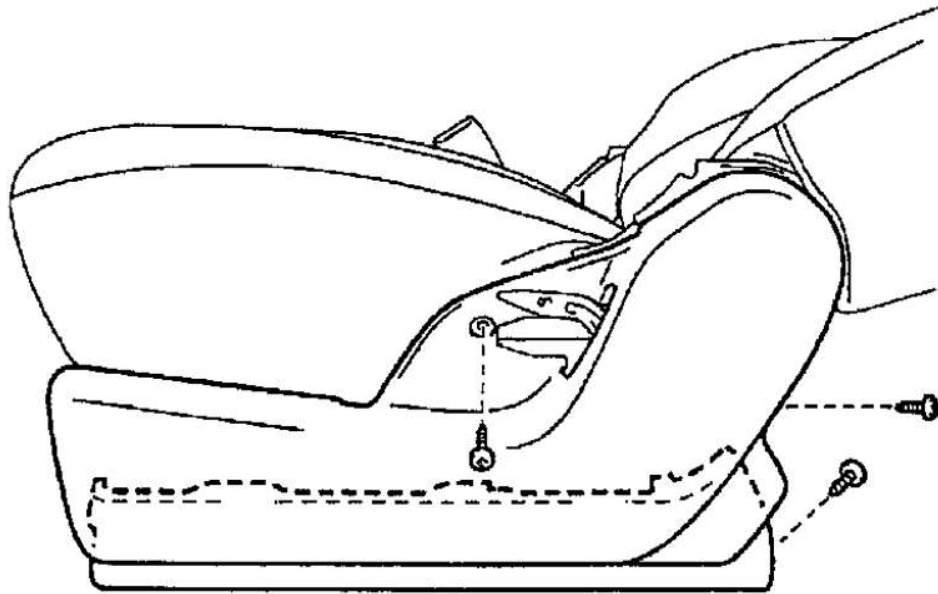
**P****G02159419**

Fig. 5: Installing Front Seat Cushion Outer Shield
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Install the front seat cushion outer shield and Install the front seat cushion outer lower shield with the 3 screws.

11. Install reclining adjuster release handle .

Install the reclining adjuster release handle.

12. Install vertical adjuster knob .

13. Install headrest .

INSTALLATION

Install Front Seat

- a. Slide the front seat to the frontmost position.

NOTE: Make sure that seat adjuster locks.

- b. Without holding the seat track adjusting handle, mount the seat to the vehicle.

NOTE: **If holding the seat track adjusting handle, the adjusted frontmost position will slip off.**

- c. Tighten the bolts on the rear side temporarily, tighten them completely starting from the bolt on the inner side.

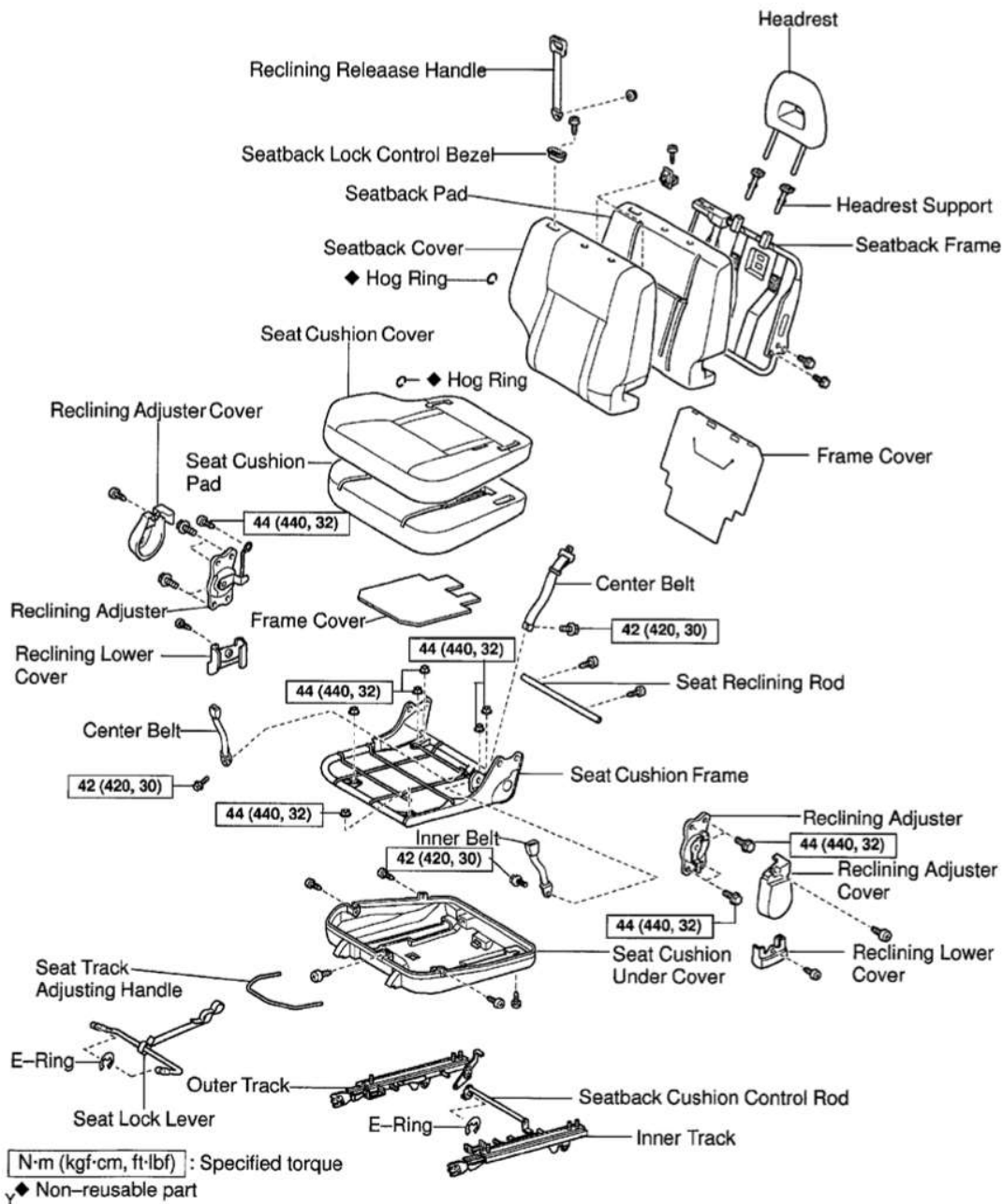
Torque: 37 N.m (375 kgf.cm, 27 ft..lbf)

- d. Slide the seat to the rearmost position to install the bolts on the front side.

Torque: 37 N.m (375 kgf.cm, 27 ft..lbf)

REAR SEAT

COMPONENTS

**Fig. 6: Identifying Rear Seat Components**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

REMOVAL**Remove Rear Seat**

NOTE: **Be careful not to damage the body.**

DISASSEMBLY

1. **Remove headrest .**
2. **Remove reclining adjuster cover .**

Remove the screw and reclining adjuster cover.

3. **Remove reclining lower cover .**

Remove the screw and reclining lower cover.

4. **Remove seatback assembly .**

Remove the 4 bolts and seat back assembly.

5. **Remove seatback cover .**

- a. Zip the seatback cover open.
- b. Turn over the seatback cover.
- c. Remove the headrest supports.

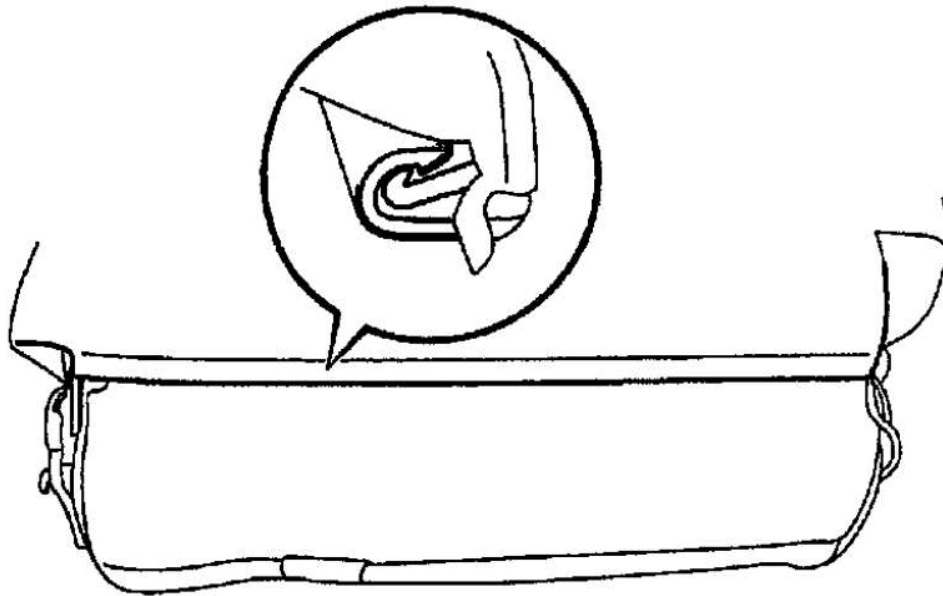
**P****G02159421**

Fig. 7: Identifying Headrest Supports

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Remove the nut and reclining release handle.

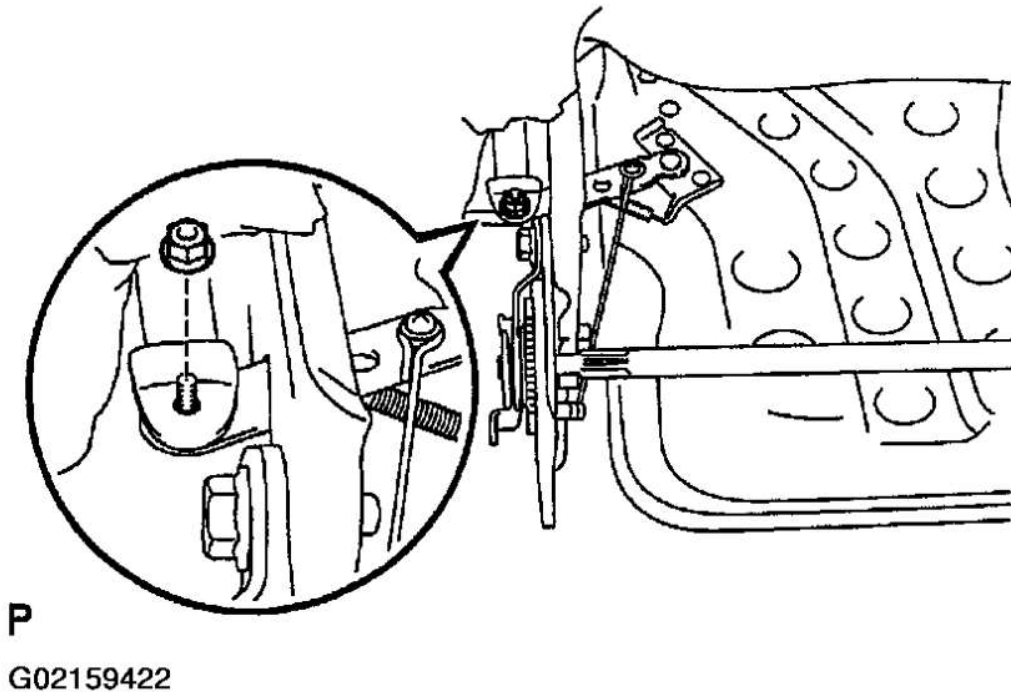


Fig. 8: Removing Seatback Cover

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- e. Remove the screw and seatback lock control bezel.
- f. Remove the hog rings and seatback cover from the seat-back pad.

6. Remove reclining adjuster .

Remove the 4 bolts and reclining adjuster.

7. Remove seat reclining rod .

8. Remove seat cushion cover .

Using a screwdriver, remove the seat cushion cover.

NOTE: Tape the screwdriver tip before use.

CAUTION: Be careful not to damage to the seat cushion cover.

9. Remove seat cushion frame .

- a. Remove the 5 screws and seat cushion cover.
- b. Remove the 6 nuts and seat cushion frame.

10. **Remove seat track .**

- a. Using a screwdriver, remove the seat track adjusting handle.

NOTE: **Tape the screwdriver tip before use.**

- b. Remove the E-ring and seat cushion lock control rod.
- c. Remove the 2 E-rings and seat track lock lever.

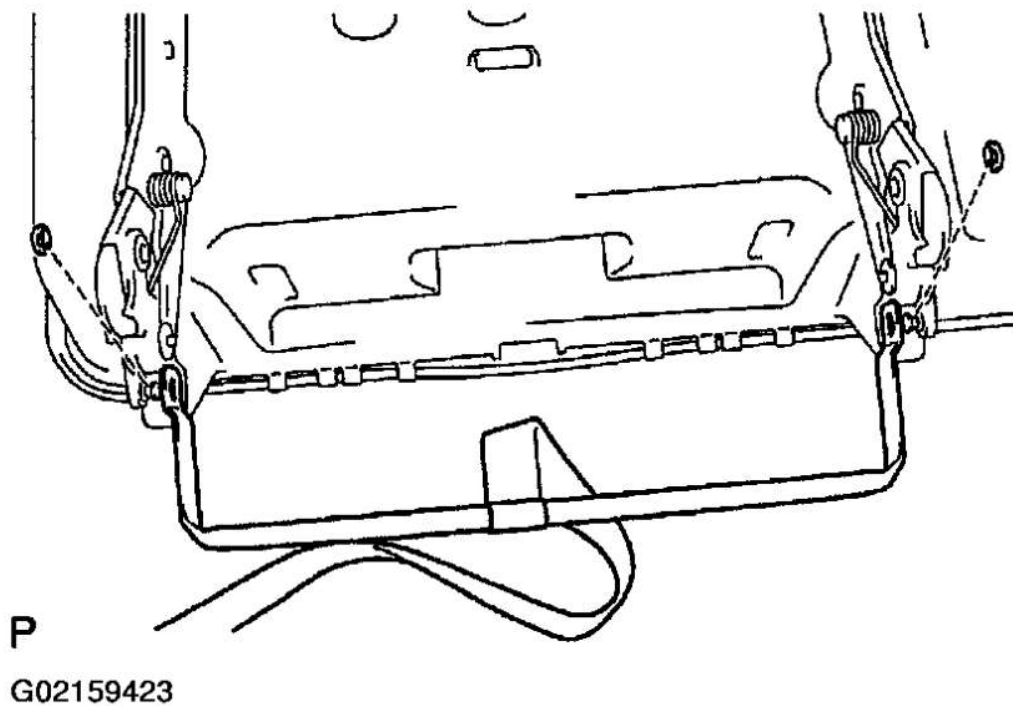


Fig. 9: Removing 2 E-Rings & Seat Track Lock Lever
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Remove the seat track.
11. **Remove seat cushion under cover .**
12. **Remove center belt .**
13. **Remove rear seat inner belt .**

INSPECTION

Inspect Reclining Lock Position

When reclining the seat, inspect that the outer and inner reclining adjusters are released at the same time.

NOTE: When reclining lock positions slip off, disassemble the seat to adjust the positions.

REASSEMBLY

1. Install rear seat inner belt .

Torque: 42 N.m (420 kgf.cm, 30 ft..lbf)

2. Install center belt .

Torque: 42 N.m (420 kgf.cm, 30 ft..lbf)

3. Install seat cushion under cover .

Place the under cover, seat track and cushion frame temporarily and then fix the under cover with the 5 screws.

4. Install seat track .
5. Install seat lock lever .

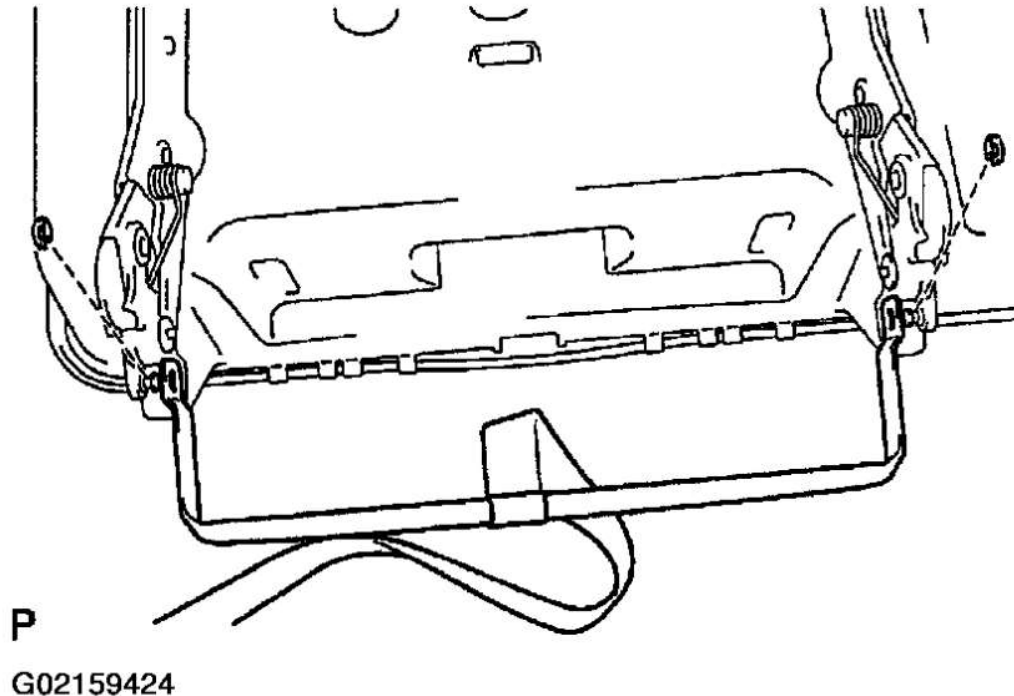


Fig. 10: Install Seat Lock Lever

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Install the seat lock lever with the 2 E-rings.

6. Install seat track adjusting handle .

- a. Install the seat cushion lock control rod with the E-ring.
- b. Install the cushion frame with the 6 nuts.

Torque: 44 N.m (440 kgf.cm, 32 ft..lbf)

- c. Install the seat track adjusting handle.

7. Install seat cushion cover .

8. Install reclining adjuster .

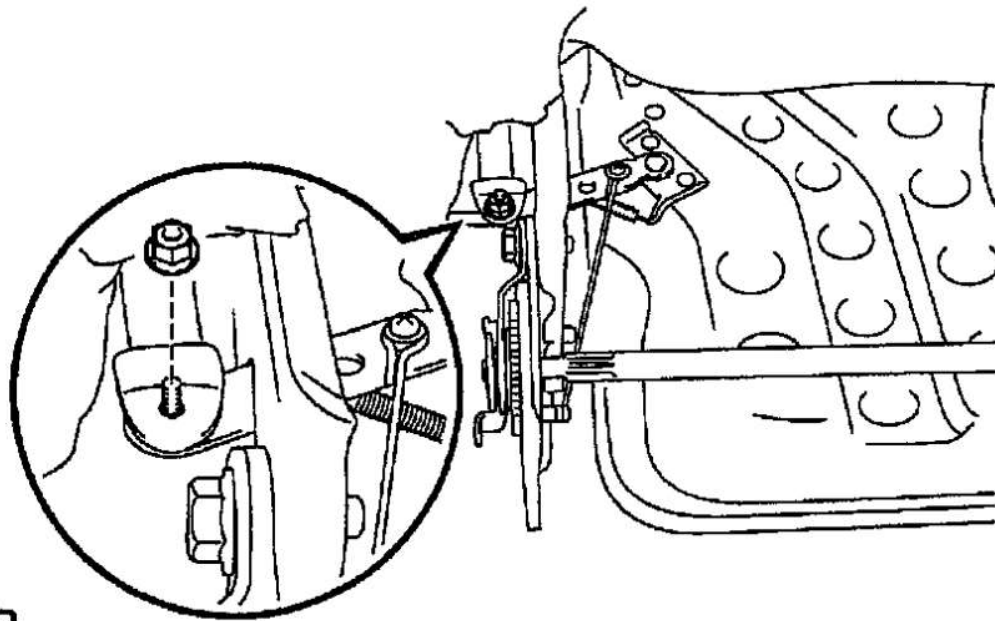
Install the reclining adjuster with the 4 bolts.

Torque: 44 N.m (440 kgf.cm, 32 ft..lbf)

9. Install reclining rod .

10. Install seatback cover .

- a. Install the seatback cover to the seatback pad with new hog rings.
- b. Install the seatback lock control bezel with the screw.
- c. Install the reclining release handle with the nut.

**P****G02159425****Fig. 11: Installing Reclining Release Handle****Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.**

- d. Install the headrest supports.
- e. Zip the seatback cover closed.
- f. Replace the seatback cover.

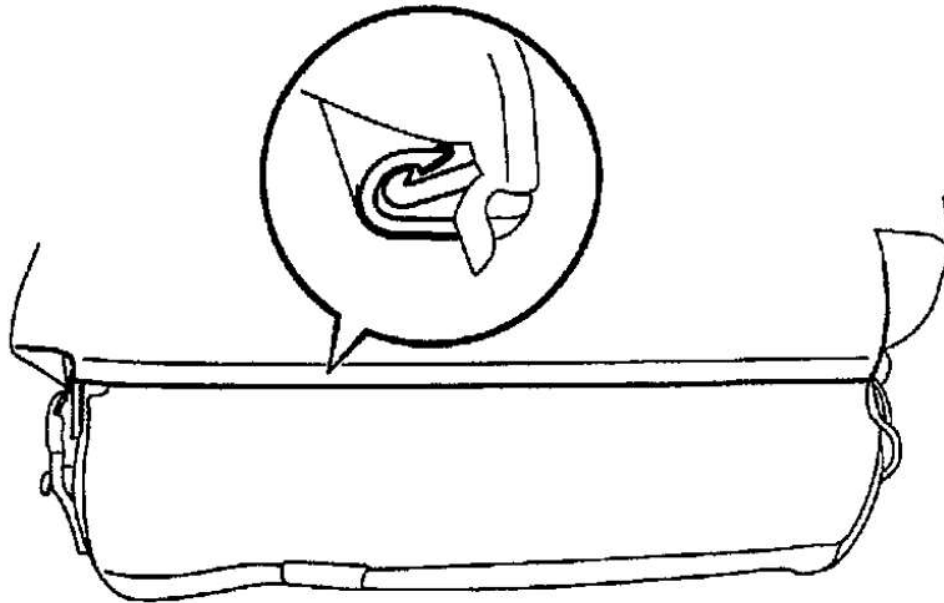
**P****G02159426**

Fig. 12: Replacing Seatback Cover

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

11. Install seatback assembly .

Install the rear seatback assembly with the 4 bolts.

Torque: 44 N.m (440 kgf.cm, 32 ft..lbf)

12. Install reclining lower cover .

13. Install reclining adjuster cover .

14. Install headrest .

INSTALLATION

Install Rear Seat

NOTE: Be careful not to damage the body.