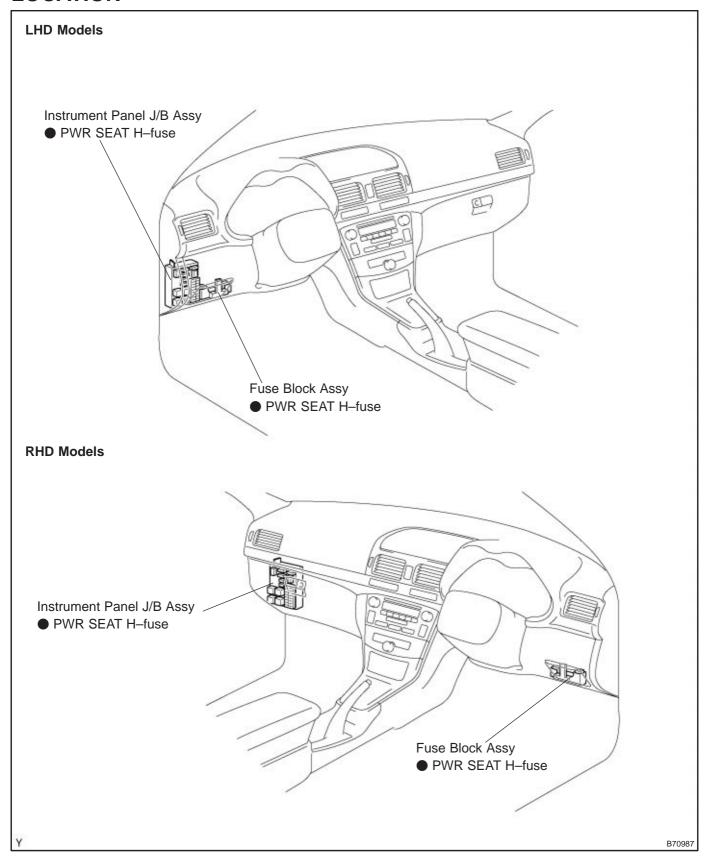
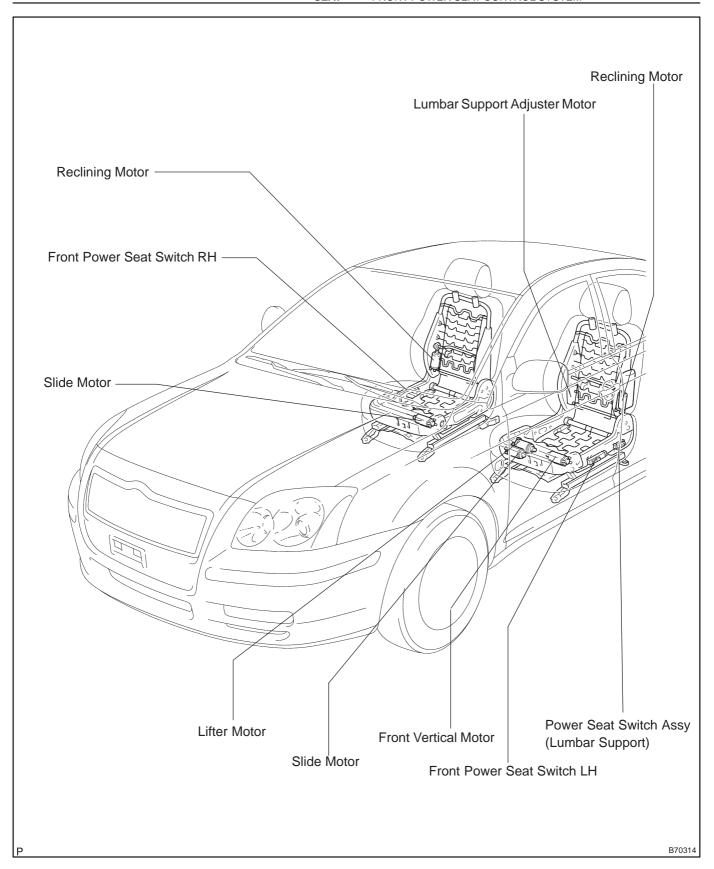
# FRONT POWER SEAT CONTROL SYSTEM LOCATION

720J1-01





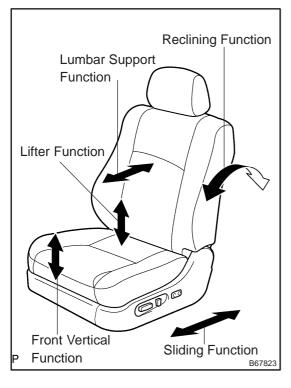
### 720J2-01

# PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
Power seat does not operate	<ol> <li>Front power seat switch</li> <li>PWR SEAT H–fuse</li> <li>Wire harness</li> </ol>	72–6 68–1 –
Only slide operation function does not operate	<ol> <li>Front power seat switch</li> <li>Slide motor</li> <li>Wire harness</li> </ol>	72-6 72-6 -
Only front vertical operation function does not operate (Driver seat only)	<ol> <li>Front power seat switch</li> <li>Front vertical motor</li> <li>Wire harness</li> </ol>	72-6 72-6 -
Only lifter operation function does not operate (Driver seat only)	<ol> <li>Front power seat switch</li> <li>Lifter motor</li> <li>Wire harness</li> </ol>	72-6 72-6 -
Only reclining operation function does not operate	<ol> <li>Front power seat switch</li> <li>Reclining motor</li> <li>Wire harness</li> </ol>	72-6 72-6 -
Only lumbar support operation function does not operate (Driver seat only)	Power seat switch assy (Lumbar support)     Lumbar support adjuster motor     Wire harness	72-6 72-6 -

#### 720.13-01

## ON-VEHICLE INSPECTION



### 1. CHECK POWER SEAT FUNCTION

- (a) Check the basic function.
  - (1) Check that each part functions properly (sliding, front vertical, lifter, reclining, lumbar support) when operating the power seat switches.

# 2. CHECK POWER SEAT MOTOR ASSY (SLIDING, FRONT VERTICAL, LIFTER, RECLINING FUNCTIONS)

(a) Check the PTC operation inside the power seat motor.

### NOTICE:

- The inspection should be performed with the seat installed in the vehicle.
- Perform this inspection for every maximum position.
  - (1) Move the seat to any of the maximum positions by operating the power seat switch and keep the seat there for approx. 60 seconds.
  - (2) Try to operate the power seat past the maximum position using the power seat switch and measure the time until the electrical current is shut off (motor operation sound will stop, inspection of current shut–off).

### Standard: 4 to 90 seconds

- (3) Turn the power seat switch off after the inspection of current shut-off and keep that condition for approx. 60 seconds.
- (4) Operate the power seat switch to move the seat to the opposite position and check that the motor operates.

### 3. CHECK LUMBAR SUPPORT ADJUSTER ASSY LH

(a) Inspect the PTC operation inside the lumber support motor.

### **NOTICE:**

### The inspection should be performed with the seat installed to the vehicle.

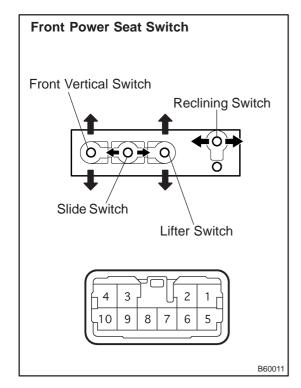
- (1) Move the lumbar support to either the foremost or rearmost position by operating the lumbar support switch and keep it there for approx. 60 seconds.
- (2) Try to move the lumbar support past the maximum position using the switch and measure the time until the electrical current is shut off (motor operation sound will stop, inspection of current shut–off).

### Standard: 4 to 90 seconds

- (3) Turn the lumbar support switch off after the inspection of current shut—off and keep that condition for approx. 60 seconds.
- (4) Operate the lumbar support switch to move the lumbar support to the opposite position and check that the motor operates.

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# **INSPECTION**



### 1. Driver side:

## **INSPECT FRONT POWER SEAT SWITCH**

(a) Inspect the resistance between the terminals when each switch is operated.

### Standard:

## Slide switch

Tester Connection	Switch Position	SpecifiedCondition
1 – 9	FRONT	
4 – 6	FRONT	
4 – 6	OFF	Below 1 Ω
4 – 9	OFF	Delow 1 52
1 – 6	DEAD	
4 – 9	REAR	

## Front vertical switch

Tester Connection	Switch Position	SpecifiedCondition
1 – 10	UP	
4-5	UP UP	
4 – 5	OFF	
4 – 10	OFF	Below 1 Ω
1 – 5	DOWAL	
4 – 10	DOWN	

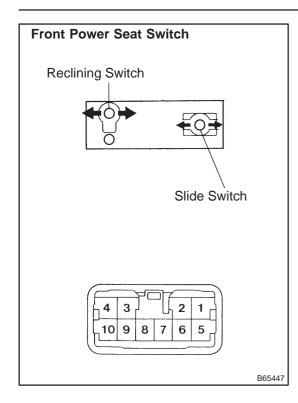
## Lifter switch

Tester Connection	Switch Position	SpecifiedCondition
1 – 7	LID	
4-8	UP	
4-7	OFF	Below 1 Ω
4 -8		20.011 1 22
1 – 8	DOWN	
4 – 7	DOWN	

# **Reclining switch**

Tester Connection	Switch Position	SpecifiedCondition
1-3	FRONT	
2 – 4	FRONT	
2 – 4	OFF	Below 1 Ω
3 – 4	Off	Delow I 22
1-2	DEAD	
3-4	REAR	

If the result is not as specified, replace the front power seat switch.



# 2. Passenger side: INSPECT FRONT POWER SEAT SWITCH

(a) Inspect the resistance between the terminals when each switch is operated.

# Standard:

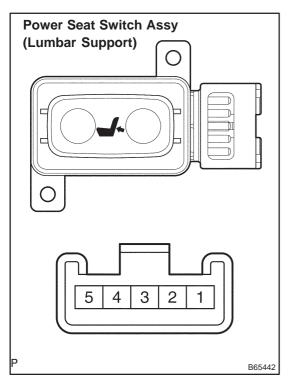
### Slide switch

Tester Connection	Switch Condition	SpecifiedCondition
1 – 9	FRONT	
4-6	FRONT	
4-6	OFF	Below 1 Ω
4 – 9	OFF	pelow 1 75
4 – 9	REAR	
1 – 6	KEAK	

# **Reclining switch**

Tester Connection	Switch Condition	SpecifiedCondition
1 – 3	EDONT	
2-4	FRONT	
2-4	OFF	Below 1 Ω
3 – 4		Delow 1 52
1 – 2	DEAD	
3-4	REAR	

If the result is not as specified, replace the front power seat switch.



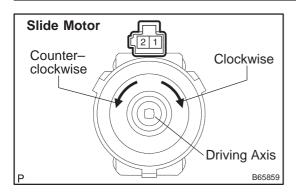
# 3. Driver side seat: INSPECT POWER SEAT SWITCH ASSY (LUMBAR SUPPORT)

(a) Inspect the resistance between the terminals when the switch is operated.

### Standard:

Tester Connection	Switch Condition	SpecifiedCondition
1 – 2	HOLD	
3 – 4	HOLD	
1 – 2	OFF	Below 1 Ω
4-5	OFF	Delow 1 75
1-3	RELEASE	
4-5	RELEASE	

If the result is not as specified, replace the power seat switch assy.



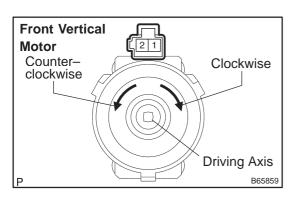
### 4. INSPECT POWER SEAT MOTOR ASSY

- (a) Inspect operation of the slide motor.
  - Check that the motor rotates smoothly when the battery is connected to the motor connector terminals.

### Standard:

Tester Connection	OperationalDirection
Battery positive voltage → 1 Battery negative voltage → 2	Clockwise
Battery positive voltage → 2 Battery negative voltage → 1	Counterclockwise

If the result is not as specified, replace the motor assy.



### (b) Driver side seat:

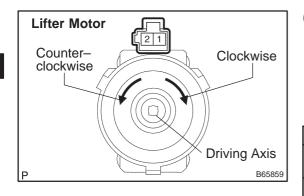
Inspect operation of the front vertical motor.

(1) Check that the motor rotates smoothly when the battery is connected to the front vertical motor connector terminals.

### Standard:

Tester Connection	OperationalDirection
Battery positive voltage → 1 Battery negative voltage → 2	Clockwise
Battery positive voltage → 2 Battery negative voltage → 1	Counterclockwise

If the result is not as specified, replace the motor assy.



## (c) Driver side seat:

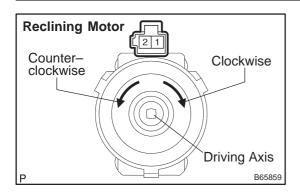
Inspect operation of the lifter motor.

(1) Check that the motor rotates smoothly when the battery is connected to the lifter motor connector terminals.

### Standard:

Tester Connection	Operational Direction
Battery positive voltage → 1 Battery negative voltage → 2	Clockwise
Battery positive voltage $\rightarrow$ 2 Battery negative voltage $\rightarrow$ 1	Counterclockwise

If the result is not as specified, replace the motor assy.

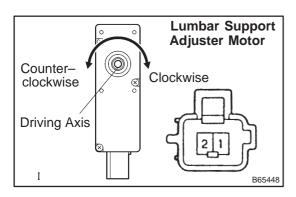


- (d) Inspect operation of the reclining motor.
  - (1) Check that the motor rotates smoothly when the battery is connected to the reclining motor connector terminals.

### Standard:

Tester Connection	OperationalDirection
Battery positive voltage → 1 Battery negative voltage → 2	Clockwise
Battery positive voltage → 2 Battery negative voltage → 1	Counterclockwise

If the result is not as specified, replace the motor assy.



### 5. Driver side seat:

### **INSPECT LUMBAR SUPPORT ADJUSTER ASSY**

- (a) Inspect operation of the motor.
  - (1) Check that the motor rotates smoothly when the battery is connected to the lumber support adjuster motor connector terminals.

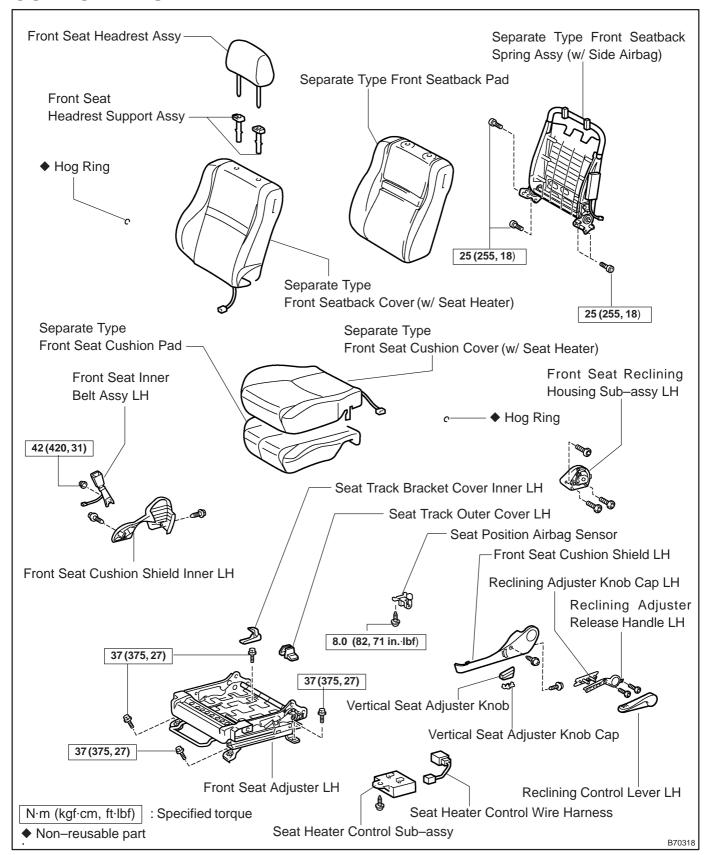
#### Standard:

Tester Connection	OperationalDirection
Battery positive voltage → 1 Battery negative voltage → 2	Clockwise
Battery positive voltage → 2 Battery negative voltage → 1	Counterclockwise

If the result is not as specified, replace the adjuster assy.

# FRONT SEAT ASSEMBLY LH (MANUAL SEAT TYPE) COMPONENTS

720J7-01



720 10 04

### **OVERHAUL**

### **CAUTION:**

- Wear safety gloves, because the cutting surface of the seatback frame and seat adjuster may injure your hand.
- Work must be started more than 90 seconds after the ignition switch is turned to the LOCK position and the negative (–) terminal cable is disconnected from the battery.
   (The SRS is equipped with a back–up power source. If work is started within 90 seconds from

disconnecting the negative (-) terminal cable of the battery, the SRS may be deployed.)

#### HINT:

- The installation is in the reverse order of the removal. However, when there is a special point concerning the installation, it is indicated.
- Use the same procedures on the RH side as on the LH side.

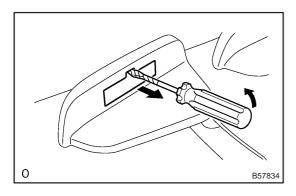
### 1. REMOVE FRONT SEAT ASSEMBLY LH

- (a) Remove the headrest.
- (b) Using a screwdriver, remove the 2 seat track covers.

### HINT:

Tape the screwdriver tip before use.

- (c) Disconnect the connectors under the seat.
- (d) Remove the 4 bolts and seat.

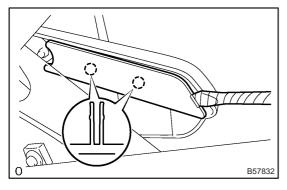


### 2. REMOVE VERTICAL SEAT ADJUSTER KNOB

(a) Using a screwdriver, remove the vertical seat adjuster knob cap and vertical seat adjuster knob.

### HINT:

Tape the screwdriver tip before use.

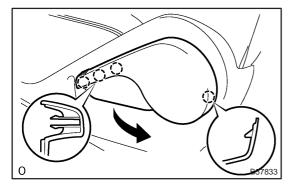


# 3. REMOVE RECLINING ADJUSTER RELEASE HANDLE LH

- (a) Hold up the reclining adjuster release handle.
- (b) Using a screwdriver, remove the hooks and reclining adjuster knob cap.

### HINT:

Tape the screwdriver tip before use.



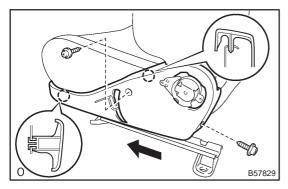
 Using a screwdriver, remove the hooks and reclining adjuster release handle.

### HINT:

Tape the screwdriver tip before use.

### 4. REMOVE RECLINING CONTROL LEVER LH

(a) Using a hexagon wrench, remove the 2 bolts and reclining control lever.

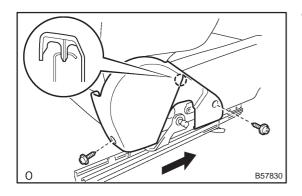


### 5. REMOVE FRONT SEAT CUSHION SHIELD LH

(a) Remove the 2 screws and seat cushion shield LH.

### 6. REMOVE FRONT SEAT INNER BELT ASSY LH

(a) Remove the nut and inner belt.

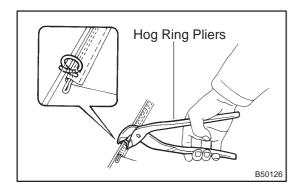


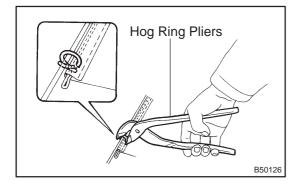
### 7. REMOVE FRONT SEAT CUSHION SHIELD INNER LH

(a) Remove the 2 screws and seat cushion shield.

- 8. REMOVE FRONT SEAT RECLINING HOUSING SUB-ASSY LH
- (a) Using a hexagon wrench, remove the 3 bolts and seat reclining housing.
- 9. REMOVE SEPARATE TYPE FRONT SEATBACK ASSY
- (a) Using a hexagon wrench, remove the 4 bolts and front seatback.
- 10. REMOVE SEPARATE TYPE FRONT SEATBACK COVER
- (a) Disengage the seatback cover hook.
- (b) Remove the 2 headrest supports.
- (c) Remove the hog rings and seatback cover.
- 11. REMOVE SEPARATE TYPE FRONT SEATBACK SPRING ASSY
- (a) Remove the pad from the seatback spring.
- 12. REMOVE SEPARATE TYPE FRONT SEAT CUSHION COVER
- (a) Disengage the seat cushion cover hook.
- (b) Remove the hog rings and seat cushion cover together with the pad from the seat cushion frame.
- (c) Remove the hog rings and seat cushion pad from the seat cushion cover.
- 13. REMOVE FRONT SEAT ADJUSTER ASSY
- (a) w/ Seat heater:

Remove the screw, seat heater control and seat heater control wire harness.





# 14. INSTALL SEPARATE TYPE FRONT SEAT CUSHION COVER

- (a) Install the seat cushion cover with 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.

### HINT:

- Do not damage the seat cushion cover nor make it dirty.
- When installing the hog rings, take care to prevent wrinkles as much as possible.

# 15. INSTALL SEPARATE TYPE FRONT SEATBACK COVER

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

### HINT:

- Do not damage the seatback cover nor make it dirty.
- When installing the hog rings, take care to prevent wrinkles as much as possible.

### 16. INSTALL SEPARATE TYPE FRONT SEATBACK ASSY

(a) Using a hexagon wrench, Install the seatback with the 4 bolts.

### 17. INSTALL FRONT SEAT INNER BELT ASSY LH

(a) Install the inner belt with the nut.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

- (b) Connect the connectors.
- (c) Check that the inner seat belt moves smoothly.

### 18. INSTALL FRONT SEAT ASSEMBLY LH

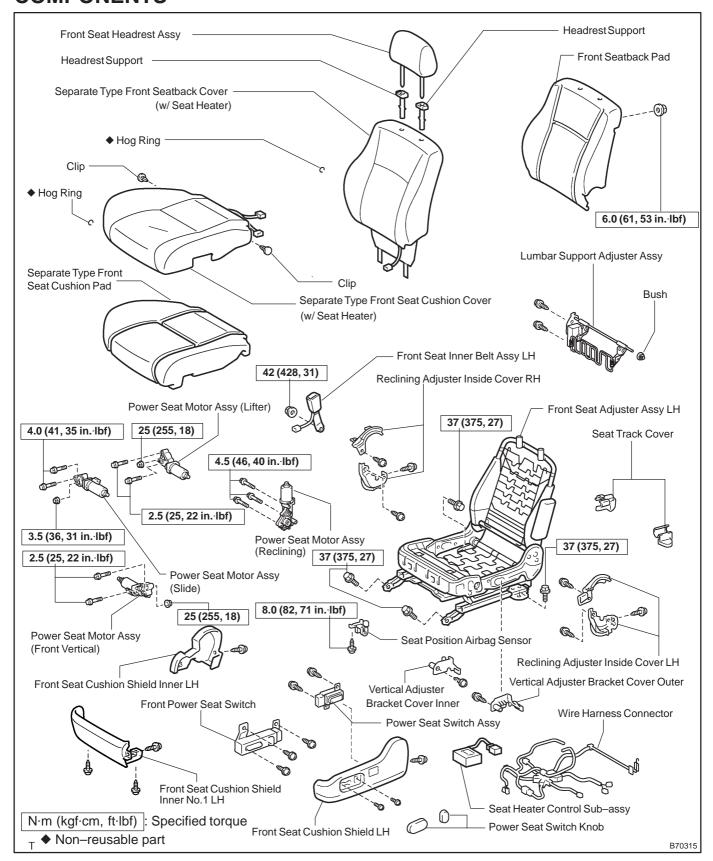
- (a) Place the seat in the cabin.
- (b) Connect the connectors under the seat.
- (c) Install the seat with the 4 bolts.

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

- (d) Install the 4 seat track covers.
- (e) Install the headrest.
- 19. CHECK SEAT SLIDE ADJUSTER LOCKS

# FRONT SEAT ASSEMBLY LH (POWER SEAT TYPE) COMPONENTS

720J5-01



720J6-01

## **OVERHAUL**

### **CAUTION:**

- Wear safety gloves, because the cutting surface of the seatback frame and seat adjuster may injure your hand.
- Work must be started more than 90 seconds after the ignition switch is turned to the LOCK position and the negative (–) terminal cable is disconnected from the battery.
   (The SRS is equipped with a back-up power source. If work is started within 90 seconds from

disconnecting the negative (-) terminal cable of the battery, the SRS may be deployed.)

#### HINT:

- The installation is in the reverse order of the removal. However, when there is a special point concerning the installation, it is indicated.
- Use the same procedures on the RH side as on the LH side.

### 1. REMOVE FRONT SEAT ASSY LH

- (a) Remove the headrest.
- (b) Using a screwdriver, remove the 2 seat track covers.

### HINT:

Tape the screwdriver tip before use.

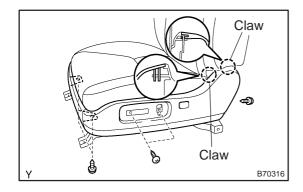
- (c) Disconnect the connectors under the seat.
- (d) Remove the 4 bolts and seat.

### 2. REMOVE FRONT SEAT CUSHION SHIELD LH

(a) Using a screwdriver, remove the 2 seat switch knobs.

### HINT:

Tape the screwdriver tip before use.



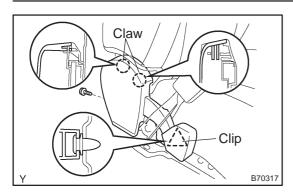
- (b) Remove the 5 screws.
- (c) Using a screwdriver, disengage the claws and remove the cushion shield with the inner No. 1 LH, and then disconnect the connector.

#### HINT:

Tape the screwdriver tip before use.

(d) Remove the 2 screws and seat switch.

- 3. REMOVE FRONT SEAT CUSHION SHIELD INNER NO.1 LH
- (a) Remove the screw and cushion shield.
- 4. REMOVE FRONT POWER SEAT SWITCH
- (a) Disconnect the connectors.
- (b) Remove the 3 screws and seat switch.
- 5. REMOVE FRONT SEAT INNER BELT ASSY LH
- (a) Remove the nut and inner belt.



### 6. REMOVE FRONT SEAT CUSHION SHIELD INNER LH

- (a) Remove the screw.
- (b) Using a screwdriver, disengage the 2 claws and clip, and remove the cushion shield.

#### HINT:

Tape the screwdriver tip before use.

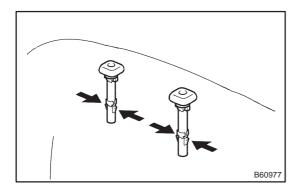
### 7. REMOVE SEPARATE TYPE FRONT SEAT CUSHION COVER

- (a) Disengage the hook and remove the seat cushion cover together with the pad.
- (b) Remove the hog rings and seat cushion cover.

### 8. REMOVE SEPARATE TYPE FRONT SEAT BACK COVER

(a) w/ Side airbag:

Remove the hog rings, nut and seatback cover bracket.



- (b) Remove the 2 headrest supports.
- (c) Remove the hog rings and seatback cover together with the pad.
- (d) Remove the hog rings and seatback cover.

### 9. REMOVE SEAT POSITION AIR BAG SENSOR

- (a) Remove the screw and airbag sensor.
- 10. REMOVE POWER SEAT MOTOR ASSY (RECLINING)
- (a) Remove the 3 bolts and reclining motor.
- 11. REMOVE POWER SEAT MOTOR ASSY (SLIDE)
- (a) Remove the 2 bolts, nut and slide motor.
- 12. REMOVE POWER SEAT MOTOR ASSY (LIFTER)
- (a) Remove the 2 bolts, nut and lifter motor.
- 13. REMOVE POWER SEAT MOTOR ASSY (FRONT VERTICAL)
- (a) Remove the 2 bolts, nut and vertical motor.
- 14. REMOVE FRONT SEAT ADJUSTER SUB-ASSY LH
- (a) Remove the 2 screws and lumbar support adjuster.
- (b) Remove the wire harness connector.
- (c) Remove the 3 screws and 2 reclining adjuster inside covers LH.
- (d) Remove the 3 screws and 2 reclining adjuster inside covers RH.
- (e) Remove the screw and vertical adjuster bracket cover outer.
- (f) Remove the screw and vertical adjuster bracket cover inner.
- (g) w/ Seat heater:

Remove the seat heater control.

### 15. INSTALL POWER SEAT MOTOR ASSY (RECLINING)

(a) Install the reclining motor with the 3 bolts.

Torque: 4.5 N·m (46 kgf·cm, 40 in.·lbf)

- 16. INSTALL POWER SEAT MOTOR ASSY (SLIDE)
- (a) Install the slide motor with the 2 bolts and nut.

### Torque:

Bolt 4.0 N·m (41 kgf·cm, 35 in.·lbf)

Nut 3.5 N·m (36 kgf·cm, 31 in.·lbf)

- 17. INSTALL POWER SEAT MOTOR ASSY (LIFTER)
- (a) Install the lifter motor with the 2 bolts and nut.

### Torque:

Bolt 2.5 N·m (25 kgf·cm, 22 in.·lbf)

Nut 25 N·m (255 kgf·cm, 18 ft·lbf)

- 18. INSTALL POWER SEAT MOTOR ASSY (FRONT VERTICAL)
- (a) Install the vertical motor with the 2 bolts and nut.

### Torque:

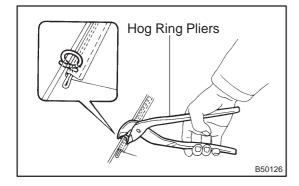
Bolt 2.5 N·m (25 kgf·cm, 22 in.·lbf)

Nut 25 N·m (255 kgf·cm, 18 ft·lbf)

- 19. INSTALL SEAT POSITION AIR BAG SENSOR
- (a) Install the airbag sensor with the screw.

Torque: 8.0 N·m (82 kgf·cm, 71 in.·lbf)

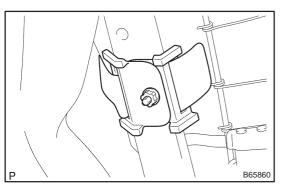
- 20. INSTALL SEPARATE TYPE FRONT SEAT BACK COVER
- (a) Install the lumbar support adjuster with the 2 screws.
- (b) Install the seatback pad.
- (c) Cover the top of the seatback pad with the seatback cover.
- (d) Install the 2 headrest supports.



(e) Using hog ring pliers, install the seatback cover completely with new hog rings.

#### NOTICE:

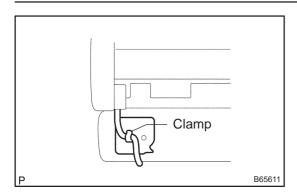
- Be careful not to damage the cover.
- When installing the hog rings, take care to prevent wrinkles as much as possible.



(f) w/ Side airbag:

Install the seatback cover bracket with the nut.

Torque: 6.0 N·m (61 kgf·cm, 53 in·lbf)



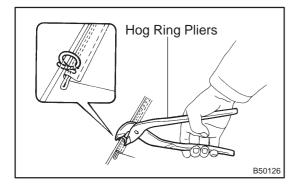
(g) w/ Side airbag:

Install the wire harness and clamp of the side airbag through the seat cushion cover end.

#### NOTICE:

### Be careful not to damage the cover.

(h) Install the seatback board with the 2 screws.



# 21. INSTALL SEPARATE TYPE FRONT SEAT CUSHION COVER

- (a) Install the seat cushion pad to the seat cushion cover.
- (b) Using hog ring pliers, install the seat cushion cover with new hog rings to the seat cushion pad.

### NOTICE:

- Be careful not to damage the cover.
- When installing the hog rings, take care to prevent wrinkles as much as possible.

### 22. INSTALL FRONT SEAT INNER BELT ASSY LH

(a) Install the inner belt with the nut.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

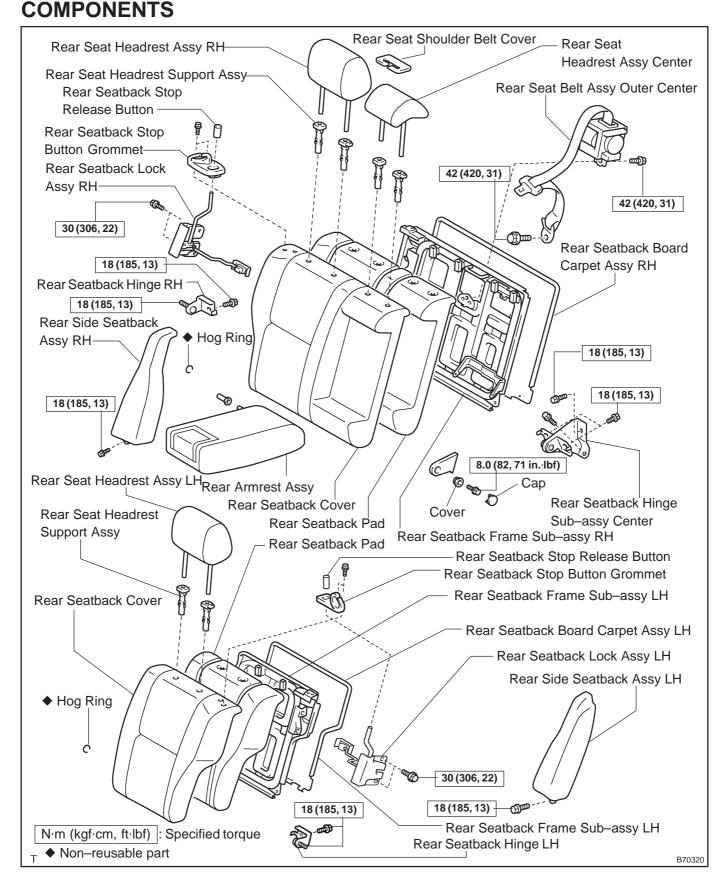
- (b) Connect the connectors.
- (c) Check that the inner seat belt moves smoothly.
- 23. INSTALL FRONT SEAT ASSY LH
- (a) Place the seat in the cabin.
- (b) Connect the connectors under the seat.
- (c) Install the seat with the 4 bolts.

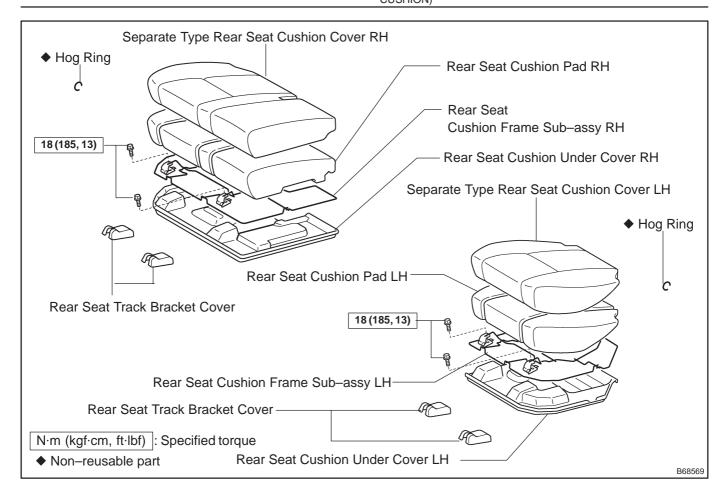
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

- (d) Install the 4 seat track covers.
- (e) Install the headrest.
- 24. INSPECT POWER SEAT OPERATION (See page 72-4)

# REAR SEAT ASSY (40/60 FOLDING FLIP-UP CUSHION)

720JB-01





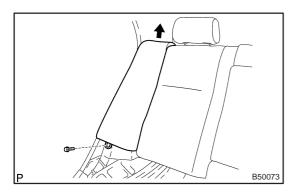
720JC-01

# **OVERHAUL**

### HINT:

The installation is in the reverse order of the removal. However, when there is a special point concerning the installation, it is indicated.

- 1. REMOVE REAR SEAT HEADREST ASSY LH AND RH
- 2. REMOVE REAR SEAT HEADREST ASSY CENTER
- 3. REMOVE REAR SEAT CUSHION ASSY LH
- (a) Remove the 2 hinge covers.
- (b) Remove the 2 bolts and seat cushion.
- 4. REMOVE REAR SEAT CUSHION ASSY RH
- (a) Remove the 2 hinge covers.
- (b) Remove the 2 bolts and seat cushion.

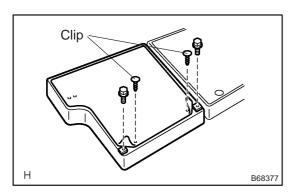


### 5. REMOVE REAR SIDE SEATBACK ASSY LH

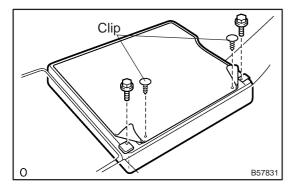
(a) Remove the bolt and seatback.

## 6. REMOVE REAR SIDE SEATBACK ASSY RH

(a) Remove the bolt and seatback.



- 7. REMOVE REAR SEATBACK BOARD CARPET ASSY LH
- (a) Using a clip remover, remove the 2 clips.
- 8. REMOVE REAR SEATBACK ASSY LH
- (a) Remove the 2 bolts and seatback.



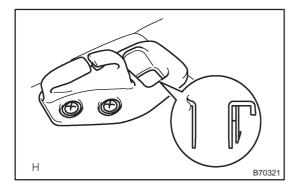
# 9. REMOVE REAR SEATBACK BOARD CARPET ASSY RH

- (a) Using a clip remover, remove the 2 clips.
- 10. REMOVE REAR SEATBACK ASSY RH
- (a) Remove the bolt and floor anchor for the rear seat belt assy outer center.
- (b) Remove the 2 bolts and seatback.

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### 11. REMOVE REAR SEATBACK HINGE SUB-ASSY LH

- (a) Remove the bolt and seatback hinge.
- 12. REMOVE REAR SEATBACK HINGE SUB-ASSY RH
- (a) Remove the bolt and seatback hinge.
- 13. REMOVE REAR SEATBACK HINGE SUB-ASSY CENTER
- (a) Remove the 2 bolts and seatback hinge.
- 14. REMOVE REAR SEAT ARMREST ASSY CENTER
- (a) Remove the screw and armrest cover.
- (b) Remove the bolt and armrest.



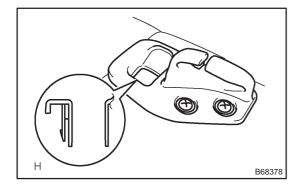
# 15. REMOVE SEPARATE TYPE REAR SEATBACK COVER LH

- (a) Remove the 2 screws.
- (b) Using a screwdriver, disengage the claw and remove the stop button grommet.

#### HINT:

Tape the screwdriver tip before use.

- (c) Remove the 2 headrest supports.
- (d) Remove the hog rings and the seatback cover together with the pad from the seatback frame.
- (e) Remove the hog rings and the seatback cover from the seatback pad.

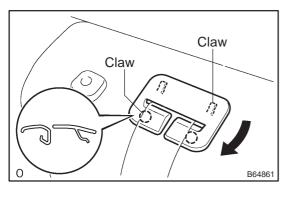


# 16. REMOVE SEPARATE TYPE REAR SEATBACK COVER RH

- (a) Remove the 2 screws.
- (b) Using a screwdriver, disengage the claw and remove the stop button grommet.

#### HINT:

Tape the screwdriver tip before use.



(c) Using a screwdriver, disengage the 4 claws and remove the shoulder belt cover.

### HINT:

Tape the screwdriver tip before use.

- (d) Remove the 4 headrest supports.
- (e) Remove the hog rings and the seatback cover together with the pad from the seatback frame.
- (f) Remove the hog rings and seatback cover from the seatback pad.

## 17. REMOVE REAR SEATBACK LOCK ASSY LH

- (a) Remove the seatback lock release button.
- (b) Remove the 2 bolts and seatback lock.

### 18. REMOVE REAR SEATBACK LOCK ASSY RH

### HINT:

Use the same procedures described for the LH side.

### 19. REMOVE REAR SEAT BELT ASSY OUTER CENTER

- (a) Remove the bolt and belt.
- 20. REMOVE REAR SEAT CUSHION UNDER COVER LH
- (a) Disengage the cushion cover hook.
- (b) Remove the cushion cover together with the pad.
- (c) Remove the cushion under cover.

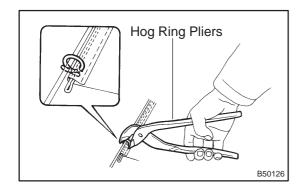
# 21. REMOVE REAR SEAT CUSHION UNDER COVER RH

### HINT:

Use the same procedures described for the LH side.

### 22. REMOVE SEPARATE TYPE REAR SEAT CUSHION COVER LH

- (a) Remove the hog rings and cushion cover from the cushion pad.
- 23. REMOVE SEPARATE TYPE REAR SEAT CUSHION COVER RH
- (a) Remove the hog rings and cushion cover from the cushion pad.



# 24. INSTALL SEPARATE TYPE REAR SEAT CUSHION COVER LH

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

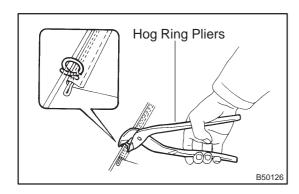
#### HINT:

When installing hog rings, take care to prevent wrinkles as much as possible.

### 25. INSTALL SEPARATE TYPE REAR SEAT CUSHION COVER RH

### HINT:

Use the same procedures described for the LH side.



# 26. INSTALL SEPARATE TYPE REAR SEATBACK COVER

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

### HINT:

When installing hog rings, take care to prevent wrinkles as much as possible.

### 27. INSTALL SEPARATE TYPE REAR SEATBACK COVER RH

### HINT:

Use the same procedures described for the LH side.

### 28. INSTALL REAR SEATBACK LOCK ASSY LH

(a) Install the seatback lock with the 2 bolts.

Torque: 30 N·m (306 kgf·cm, 22 ft·lbf)

29. INSTALL REAR SEATBACK LOCK ASSY RH

HINT:

Use the same procedures described for the LH side.

- 30. INSTALL REAR SEAT BELT ASSY OUTER CENTER
- (a) Install the belt with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

- 31. INSTALL REAR SEAT ARMREST ASSY CENTER
- (a) Install the armrest with the bolt.

Torque: 8.0 N·m (82 kgf·cm, 71 in.·lbf)

- (b) Install the armrest cover with the screw.
- 32. INSTALL REAR SEATBACK HINGE SUB-ASSY CENTER
- (a) Install the hinge with the 2 bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

- 33. INSTALL REAR SEATBACK HINGE SUB-ASSY LH
- (a) Install the hinge with the bolt.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

34. INSTALL REAR SEATBACK HINGE SUB-ASSY RH

HINT:

Use the same procedures described for the LH side.

- 35. INSTALL REAR SEATBACK ASSY LH
- (a) Install the seatback with the 2 bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

- 36. INSTALL REAR SEATBACK ASSY RH
- (a) Install the seatback with the 2 bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

(b) Install the floor anchor with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

37. INSTALL REAR SIDE SEATBACK ASSY LH

(a) Install the seatback with the bolt.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

### **NOTICE:**

Insert the side seat hook into the hole of body.

**38. INSTALL REAR SIDE SEATBACK ASSY RH** HINT:

Use the same procedures described for the LH side.

- 39. INSTALL REAR SEAT CUSHION ASSY LH
- (a) Install the cushion with the 2 bolts.

Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)

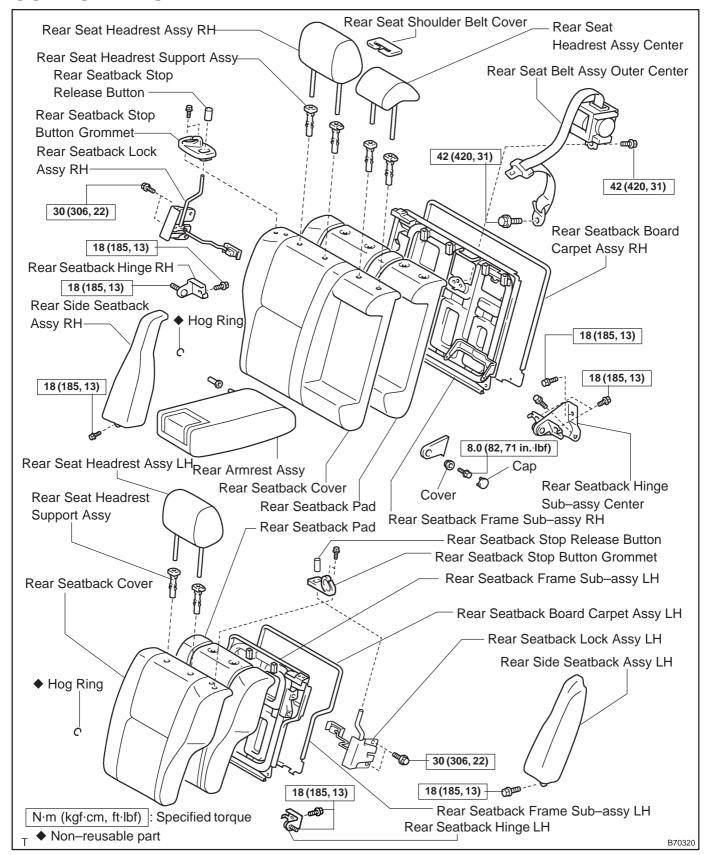
- (b) Install the 2 hinge covers.
- 40. INSTALL REAR SEAT CUSHION ASSY RH

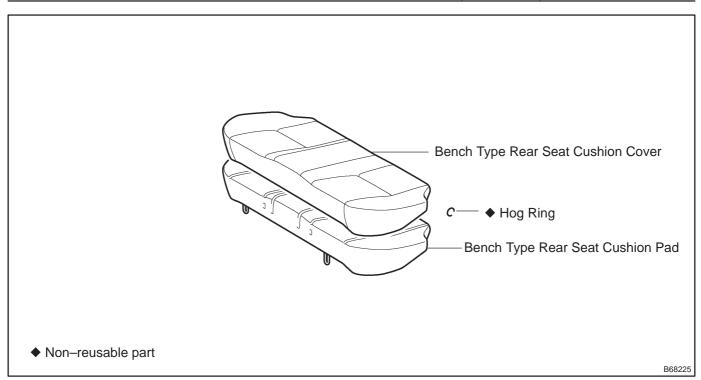
HINT:

Use the same procedures described for the LH side.

# REAR SEAT ASSY (40/60 FOLDING) COMPONENTS

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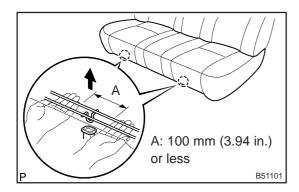
720JA-01

**OVERHAUL** 

HINT:

The installation is in the reverse order of the removal. However, when there is a special point concerning the installation, it is indicated.

- 1. REMOVE REAR SEAT HEADREST ASSY LH AND RH
- 2. REMOVE REAR SEAT HEADREST ASSY CENTER



### 3. REMOVE REAR SEAT CUSHION ASSY

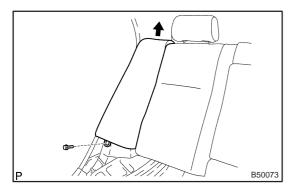
(a) Pull up the 2 front portions of the seat cushion, then remove it.

### **NOTICE:**

In this case, hold the base of the clip up to prevent the cushion frame from being distorted.

### 4. REMOVE BENCH TYPE REAR SEAT CUSHION COVER

(a) Remove the hog rings and seat cushion cover.

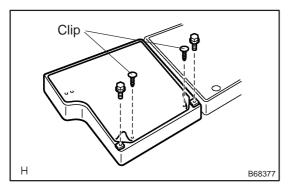


### 5. REMOVE REAR SIDE SEATBACK ASSY LH

(a) Remove the bolt and the seatback.

### 6. REMOVE REAR SIDE SEATBACK ASSY RH

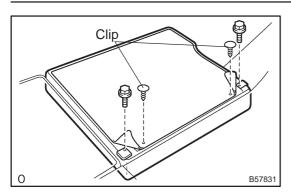
(a) Remove the bolt and the seatback.



# 7. REMOVE REAR SEATBACK BOARD CARPET ASSY LH

- (a) Using a clip remover, remove the 2 clips.
- 8. REMOVE REAR SEATBACK ASSY LH
- (a) Remove the 2 bolts and seatback.

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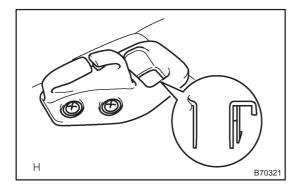


# 9. REMOVE REAR SEATBACK BOARD CARPET ASSY RH

- (a) Using a clip remover, remove the 2 clips.
- 10. REMOVE REAR SEATBACK ASSY RH
- (a) Remove the bolt and floor anchor for the seat belt outer center.
- (b) Remove the 2 bolts and seatback assy.

### 11. REMOVE REAR SEATBACK HINGE SUB-ASSY LH

- (a) Remove the bolt and seatback hinge.
- 12. REMOVE REAR SEATBACK HINGE SUB-ASSY RH
- (a) Remove the bolt and seatback hinge.
- 13. REMOVE REAR SEATBACK HINGE SUB-ASSY CENTER
- (a) Remove the 2 bolts and seatback hinge.
- 14. REMOVE REAR SEAT ARMREST ASSY CENTER
- (a) Remove the armrest cover.
- (b) Remove the bolt and armrest.



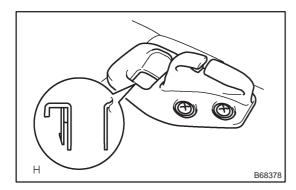
# 15. REMOVE SEPARATE TYPE REAR SEATBACK COVER LH

- (a) Remove the 2 screws.
- (b) Using a screwdriver, disengage the claw and remove the stop button grommet.

HINT:

Tape the screwdriver tip before use.

- (c) Remove the 2 headrest supports.
- (d) Remove the hog rings and the seatback cover together with the pad from the seatback frame.
- (e) Remove the hog rings and the seatback cover from the seatback pad.

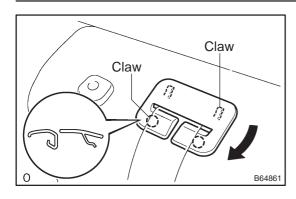


# 16. REMOVE SEPARATE TYPE REAR SEATBACK COVER RH

- (a) Remove the 2 screws.
- (b) Using a screwdriver, disengage the claw and remove the stop button grommet.

HINT:

Tape the screwdriver tip before use.



(c) Using a screwdriver, disengage the 2 claws and remove the shoulder belt cover.

### HINT:

Tape the screwdriver tip before use.

- (d) Remove the 4 headrest supports.
- (e) Remove the hog rings and the seatback cover together with the pad from the seatback frame.
- (f) Remove the hog rings and seatback cover from the seatback pad.

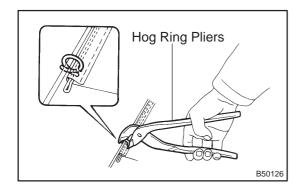
### 17. REMOVE REAR SEATBACK LOCK ASSY LH

- (a) Remove the seatback lock release button.
- (b) Remove the 2 bolts and seatback lock.
- 18. REMOVE REAR SEATBACK LOCK ASSY RH

### HINT:

Use the same procedures described for the LH side.

- 19. REMOVE REAR SEAT BELT ASSY OUTER CENTER
- (a) Remove the bolt and belt.

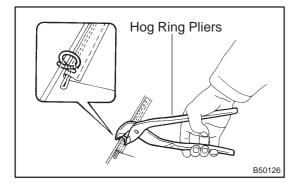


# 20. INSTALL BENCH TYPE REAR SEAT CUSHION COVER

(a) Install the rear seat cushion cover with new hog rings to the rear seat cushion pad.

### HINT:

- Do not damage the seat cushion cover nor make it dirty.
- When installing the hog rings, take care to prevent wrinkles as much as possible.



# 21. INSTALL SEPARATE TYPE REAR SEATBACK COVER LH

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

### HINT:

When installing hog rings, take care to prevent wrinkles as much as possible.

### 22. INSTALL SEPARATE TYPE REAR SEATBACK COVER RH

### HINT:

Use the same procedures described for the LH side.

### 23. INSTALL REAR SEAT BACK LOCK ASSY LH

(a) Install the seatback lock with the 2 bolts.

Torque: 30 N·m (306 kgf·cm, 22 ft·lbf)

### 24. INSTALL REAR SEATBACK LOCK ASSY RH

### HINT:

Use the same procedures described for the LH side.

### 25. INSTALL REAR SEAT BELT ASSY OUTER CENTER

(a) Install the belt with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

- 26. INSTALL REAR SEAT ARMREST ASSY CENTER
- (a) Install the armrest with the bolt.

Torque: 8.0 N·m (82 kgf·cm, 71 in.·lbf)

- (b) Install the armrest cover with the screw.
- 27. INSTALL REAR SEAT BACK HINGE SUB-ASSY CENTER
- (a) Install the hinge with the 2 bolts.

Torque: 18 N·m (185 kqf·cm, 13 ft·lbf)

- 28. INSTALL REAR SEATBACK HINGE SUB-ASSY LH
- (a) Install the hinge with the bolt.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

29. INSTALL REAR SEATBACK HINGE SUB-ASSY RH

HINT:

Use the same procedures described for the LH side.

- 30. INSTALL REAR SEATBACK ASSY LH
- (a) Install the seatback with the 2 bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

- 31. INSTALL REAR SEATBACK ASSY RH
- (a) Install the seatback with the 2 bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

(b) Install the floor anchor with the bolt.

Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

- 32. INSTALL REAR SIDE SEATBACK ASSY LH
- (a) Install the seatback LH with the bolt.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

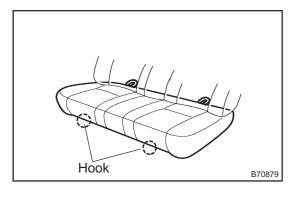
### **NOTICE:**

Insert the side seat hook into the hole of body.

33. INSTALL REAR SIDE SEATBACK ASSY RH

### HINT:

Use the same procedures described for the LH side.

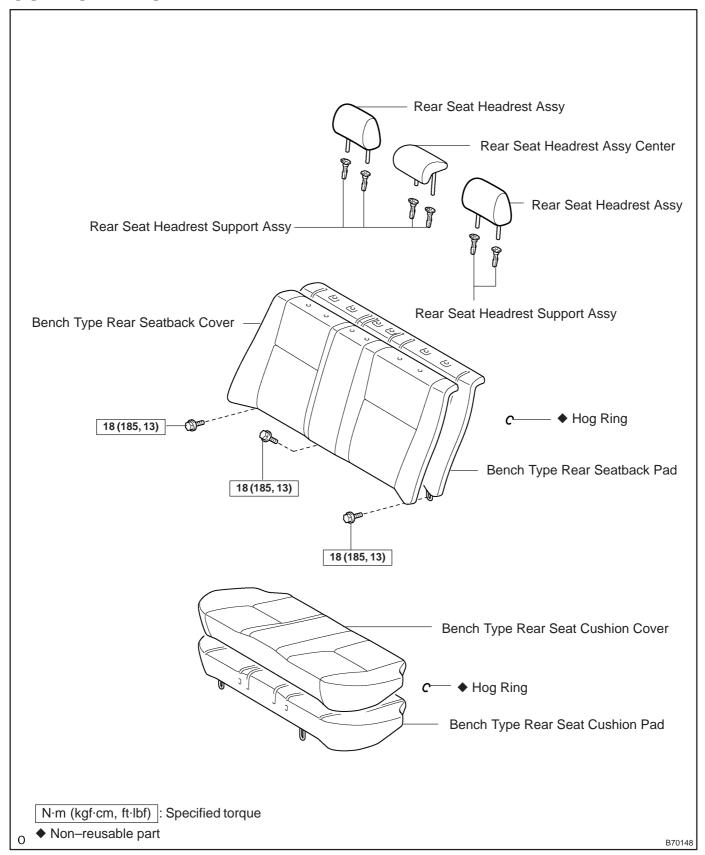


### 34. INSTALL REAR SEAT CUSHION ASSY

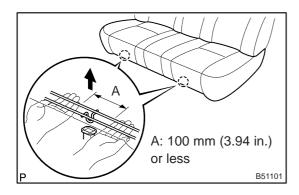
- (a) Place the 2 hooks in the body firmly.
- (b) Insert the frame into the 2 hooks.

# REAR SEAT ASSY (UNITED FIXED) COMPONENTS

720JD-01



## **OVERHAUL**



### 1. REMOVE REAR SEAT CUSHION ASSY

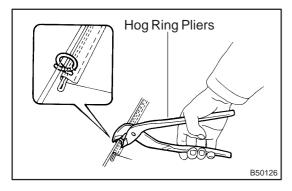
(a) Pull up the 2 front portions of the seat cushion, then remove it.

### NOTICE:

In this case, hold the base of the clip up to prevent the cushion frame from being distorted.

### 2. REMOVE BENCH TYPE REAR SEAT CUSHION COVER

- (a) Remove the hog rings and cushion cover.
- 3. REMOVE REAR SEATBACK ASSY
- (a) Remove the 3 bolts and seatback.
- 4. REMOVE REAR SEAT HEADREST ASSY
- 5. REMOVE REAR SEAT HEADREST ASSY CENTER
- 6. REMOVE BENCH TYPE REAR SEATBACK COVER
- (a) Remove the 6 headrest supports.
- (b) Remove the hog rings and seatback cover.

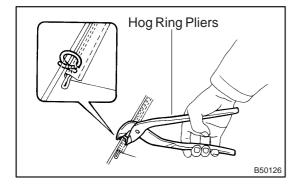


### 7. INSTALL BENCH TYPE REAR SEATBACK COVER

(a) Install the seatback cover with new hog rings to the rear seatback pad.

### HINT:

- Do not damage the seat cushion cover nor make it dirty.
- When installing the hog rings, take care to prevent wrinkles as much as possible.



# 8. INSTALL BENCH TYPE REAR SEAT CUSHION COVER

(a) Install the rear seat cushion cover with new hog rings to the rear seat cushion pad.

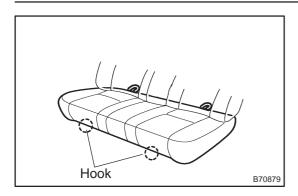
### HINT:

- Do not damage the seatback cover nor make it dirty.
- When installing the hog rings, take care to prevent wrinkles as much as possible.

### 9. INSTALL REAR SEATBACK ASSY

(a) Install the seatback with the 3 bolts.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

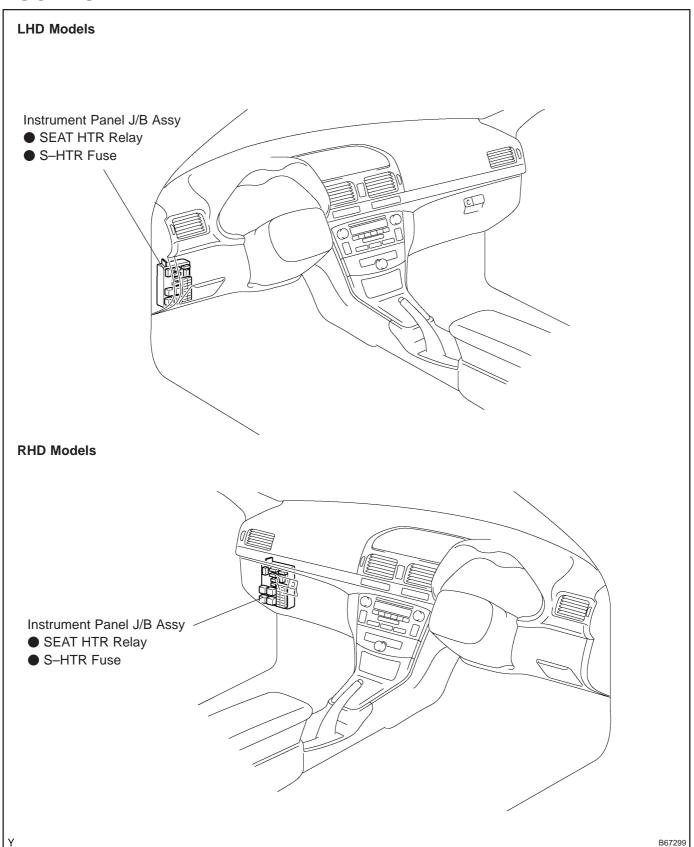


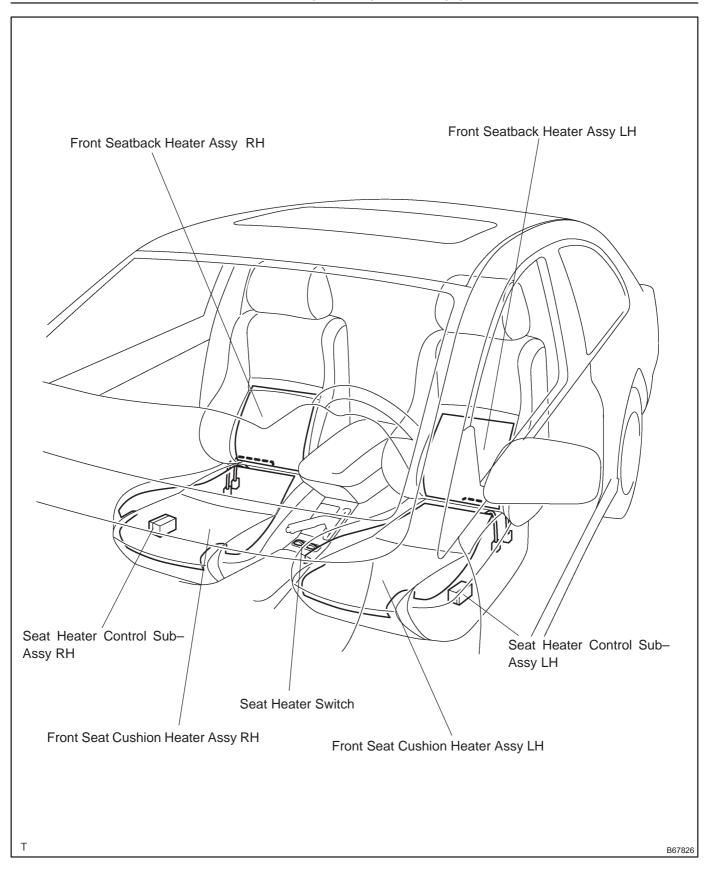
# 10. INSTALL REAR SEAT CUSHION ASSY

- (a) Place the 2 hooks in the body firmly.
- (b) Insert the frame into the 2 hooks.

# SEAT HEATER SYSTEM LOCATION

720JF-01





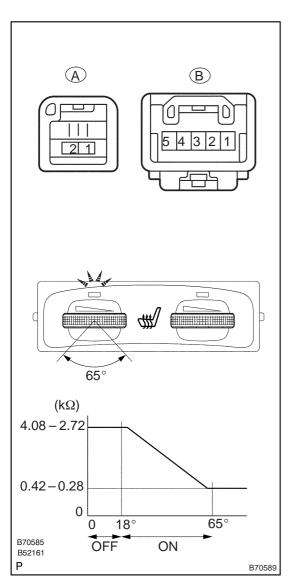
#### 720 IC 0

# PROBLEM SYMPTOMS TABLE

Symptom	Suspected Area	See Page
	1. SEAT HTR relay	72–34
		72–37
	2. S-HTR fuse	72–34
	3. Seat heater switch	72–34
		72–37
	4. Seat heater control sub-assy LH	72–34
	5. Seat heater control sub-assy RH	72–34
Seat heaters do not operate	6. Front seat cushion heater assy LH	72–34
(Seat is not warmed up)		72–37
	7. Front seat cushion heater assy RH	72–34
		72–37
	8. Front seatback heater assy LH	72–34
		72–37
	9. Front seatback heater assy RH	72–34
	, in the second	72–37
	10.Wire harness	_
	Seat heater switch	72–34
		72–37
Temperature of seat heater cannot be adjusted	2. Seat heater control sub-assy LH	72–34
	3. Seat heater control sub-assy RH	72–34
	4. Wire harness	_

720JH-01

# **INSPECTION**



# 1. LH side: INSPECT SEAT HEATER SWITCH

(a) Check the seat heater switch resistance.

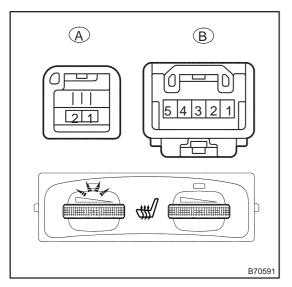
Tester Connection	Switch Position	SpecifiedCondition
	OFF	10 k $\Omega$ or higher
B-2 - B-4	ON (Minimum – Maximum)	Below 1 Ω
	OFF	10 kΩ or higher
B-2 - B-3	ON (Minimum – Maximum)	Refer to illustration

If the continuity is not as specified, replace the switch.

(b) Turn the seat heater switch ON and check the seat heater switch indicator illuminates.

SpecifiedCondition
Illuminates

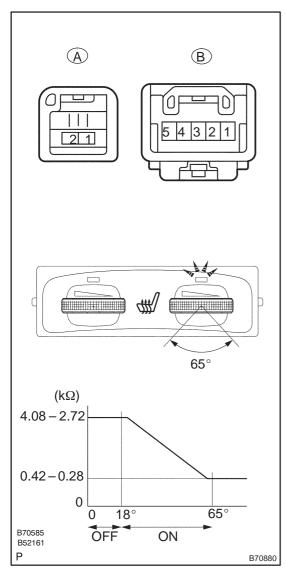
If the result is not as specified, replace the switch.



(c) Check the seat heater switch illuminates.

Tester Connection	SpecifiedCondition
Battery positive voltage → B–1 Battery negative voltage → B–5	Illuminates

If the result is not as specified, replace the switch or bulb.



# 2. RH side: INSPECT SEAT HEATER SWITCH

(a) Check the seat heater switch resistance.

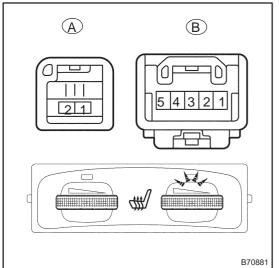
Tester Connection	Switch Position	Specified Condition
	OFF	10 k $\Omega$ or higher
B-2 - A-1	ON (Minimum – Maximum)	Below 1 Ω
	OFF	10 k $\Omega$ or higher
B-2 - A-2	ON (Minimum – Maximum)	Refer to illustration

If the continuity is not as specified, replace the switch.

(b) Turn the seat heater switch ON and check the seat heater switch indicator illuminates.

Tester Connection	SpecifiedCondition
Battery positive voltage → B–2 Battery negative voltage → B–5	Illuminates

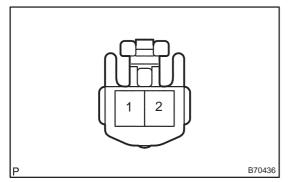
If the result is not as specified, replace the switch.



(c) Check the seat heater switch indicator illuminates.

Tester Connection	SpecifiedCondition	
Battery positive voltage → B–1	Illuminates	
Battery negative voltage → B-5	illuminates	

If the result is not as specified, replace the switch or bulb.

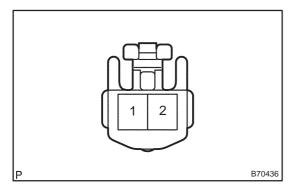


## 3. INSPECT SEPARATE TYPE FRONT SEATBACK COV-ER LH

(a) Check the resistance of the seatback heater.

Tester Connection	SpecifiedCondition
1 – 2	Below 1 Ω

If the result is not as specified, replace the seatback cover.

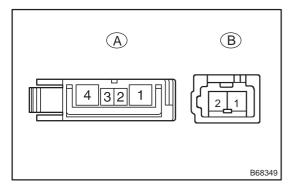


## 4. INSPECT SEPARATE TYPE FRONT SEATBACK COV-ER RH

(a) Check the resistance of the seatback heater.

Tester Connection	SpecifiedCondition
1 – 2	Below 1 Ω

If the result is not as specified, replace the seatback cover.

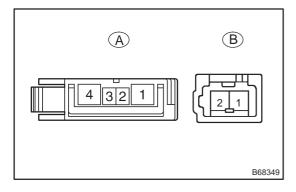


# 5. INSPECT SEPARATE TYPE FRONT SEAT CUSHION COVER LH

(a) Check the resistance of the seat cushion heater.

Tester Connection	SpecifiedCondition
A-1 - B-1	
A-2 - A-3	Below 1 Ω
A-4 - B-2	

If the result is not as specified, replace the seat cushion cover.

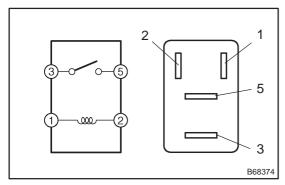


# 6. INSPECT SEPARATE TYPE FRONT SEAT CUSHION COVER RH

(a) Check the resistance of the seat cushion heater.

Tester Connection	SpecifiedCondition
A-1 - B-1	
A-2 - A-3	Below 1 $\Omega$
A-4 - B-2	

If the result is not as specified, replace the seat cushion cover.



## 7. INSPECT RELAY (SEAT HTR)

(a) Check the resistance of the relay.

### Standard:

Tester Connection	SpecifiedCondition
3-5	10 kΩ or higher
	Below 1 Ω
	(When battery voltage is applied to terminals 1 and 2)

If the result is not as specified, replace the relay.