



**Technical Service
BULLETIN**

April 28, 2000

Title:

**SEAT HEATER REPLACEMENT
PROCEDURE**

Models:

'98 – '00 Land Cruiser

REVISED

BODY
BO016-00

TSB Revision Notice:

The information updated in this TSB is **red** and **underlined**.

Introduction This is to inform you of the seat heater replacement procedure. A change has been made to allow separate installation of the seat heater element.

- Applicable Vehicles**
- 1998 through 2000 Land Cruiser

Parts Information

PART NUMBER	PART NAME	QTY
87510-60070	Heater Assembly, Front Seat Cushion, RH	1
87510-60080	Heater Assembly, Front Seat Cushion, LH	1
87510-60090	Heater Assembly, Front Seatback, RH	1
87510-60100	Heater Assembly, Front Seatback, LH	1

Warranty Information

OP CODE	DESCRIPTION	TIME	OPN	T1	T2
BD9009	Remove and Replace Seat Heater	2.0	87510-60**0	87	71

Applicable Warranty*:

This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 miles, whichever occurs first, from the vehicle's in-service date.

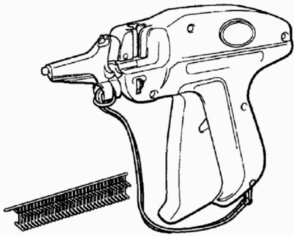
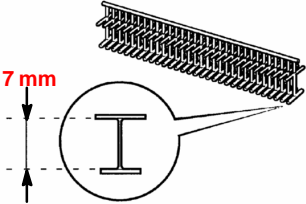
* Warranty application is limited to correction of a problem based upon a customer's specific complaint.



Required Tools and Material

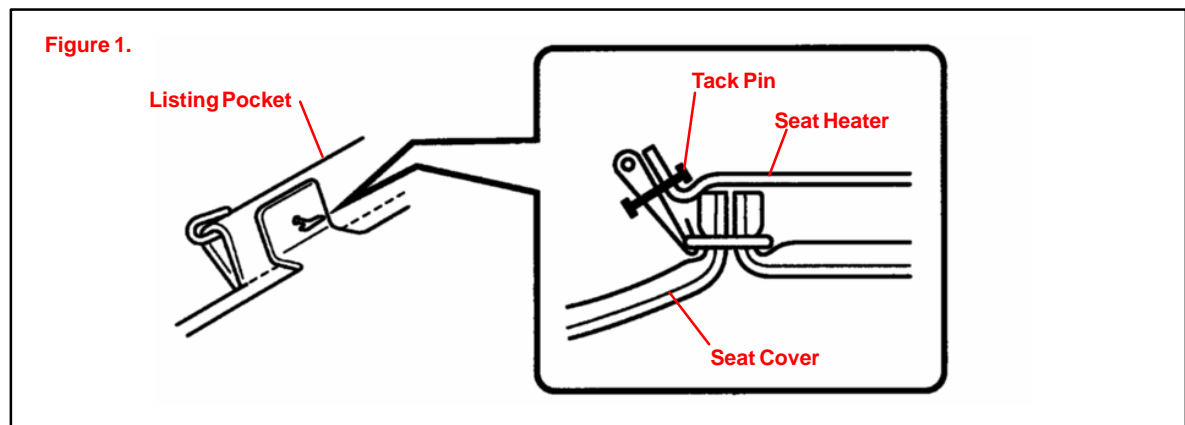
- Tacker
- Tacks
- Hog Ring Pliers
- Adhesive Tape

NOTE:
Special Service Tools can be ordered through the Toyota SST program by calling 1-800-933-8335.

ESSENTIAL SPECIAL SERVICE TOOLS			
TOOL NUMBER	TOOL NAME	SUPPLIER	QTY
<u>00002-17750</u>	<u>Seat Heater Attachment Tool</u> 	<u>OTC</u>	1
<u>00002-16500</u>	<u>Fasteners</u> 	<u>OTC</u>	10,000 pieces
<u>00002-01775</u>	<u>Seat Heater Attachment Kit</u>	<u>OTC</u>	<u>1 Set</u>
<u>00002-01780</u>	<u>Seat Heater Tool Replacement Needles</u>	<u>OTC</u>	<u>3</u>

How to use the Tacker:

As shown below, drive in a tack pin with the tacker and fix the seat heater to the seat cover.



Repair Procedure

For the installation/removal of the seat and the disassembly/assembly of the seat cushion assembly, refer to the 2000 Land Cruiser Repair Manual (pages BO-110 through 117). Care should be taken during the operation to protect the seat cover from scratches, dirt or accidental cuts.

1. **Remove side of seat heater.**

NOTE:

- Do not heat the adhesive tape excessively.
- Heating the adhesive tape insufficiently may result in damage to the pad.

- A. Using a hair dryer, heat the adhesive tape (Figure 2).
- B. Peel the adhesive tape and remove the side of the seat cushion heater.
- C. Repeat steps A and B for the opposite side.

2. **Remove seat cushion cover from pad.**

- A. Remove the 23 hog rings (Figure 3).
- B. Remove the seat cushion cover from pad.
- C. Turn the seat cover inside out.
- D. Disconnect the 4 seat wires.

3. **Seat cushion cover:**

Removing the seat heater.

- A. Remove the tack pins that are fastened to the heater (Figure 4).
- B. Remove the seat heater from the seat cushion cover.

HINT:

Remove the wire before removing the seat heater.

4. **Seat back cover:**

Removing the seat heater.

- A. Remove the 26 hog rings and wires (Figure 5).
- B. Remove the seat back cover from the pad.
- C. Disconnect the 4 seat wires.
- D. Remove the tack pins that are fastened to the seat heater.
- E. Remove the seat heater from the seat back cover.

5. **Install new seat heater to seat cover.**

- A. Using a tacker, install a new seat heater to the seat cushion cover with tack pins.

Figure 2.

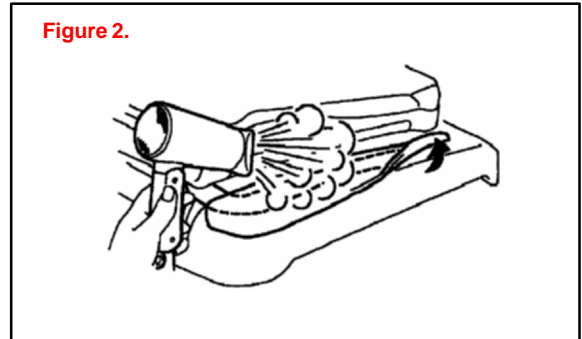


Figure 3.

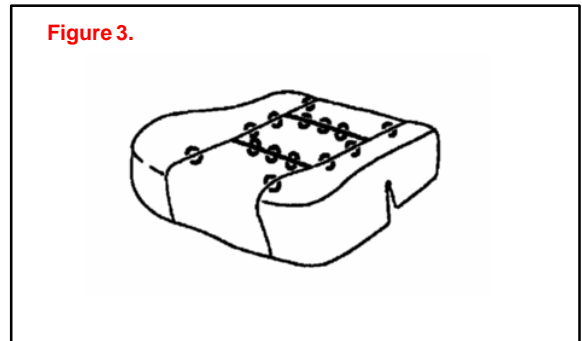


Figure 4.

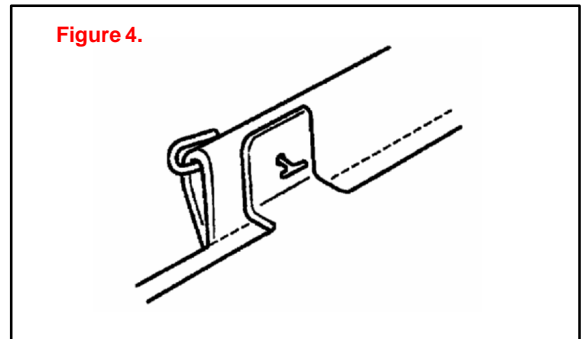
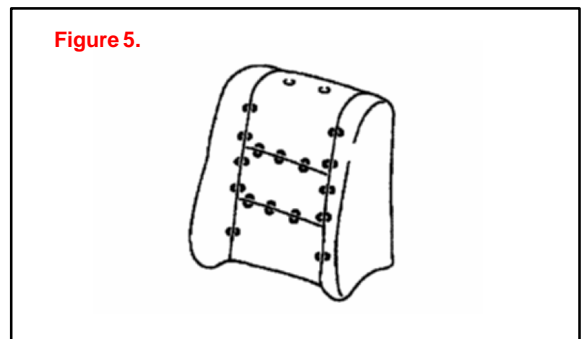


Figure 5.



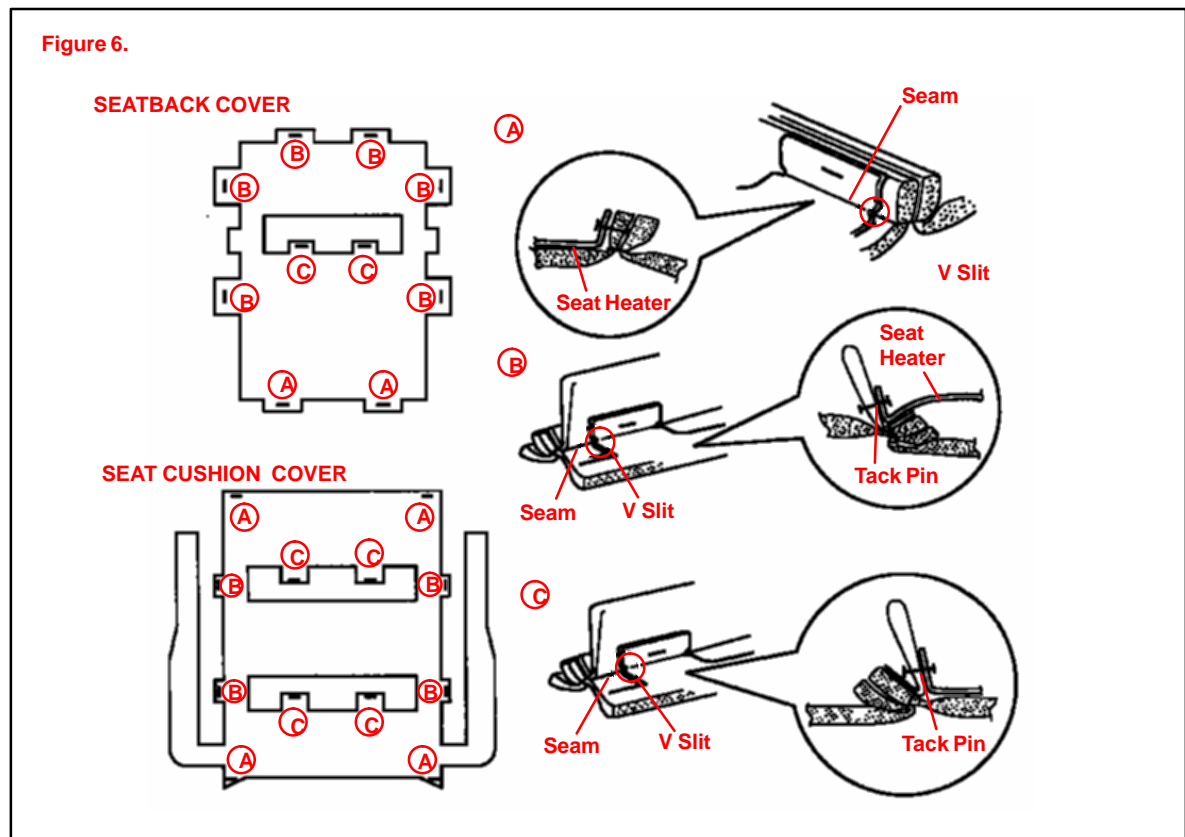
**Repair
Procedure**
(Continued)

NOTE:

- Do not substitute other metal parts in place of tack pins.
- Insufficient distance between the heater and cover may result in damage to the heater.

HINT:

- Fasten the cover and heater with tack pins matching the seam with the V slit of the heater (Figure 6).
- Sewing thread can be substituted for tack pins. However, allow a distance of 6–7 mm (0.24–0.28 in.) between both sewn parts of the heater and cover.



6. Install seat cushion cover to seat cushion pad.

- Thread the 4 wires through the listing pocket. (Refer to Figure 1.)
- Install the seat cushion cover with 23 new hog rings.
- Reverse turn the seat cover back into its original position.

**Repair
Procedure**
(Continued)

7. Install sides of new seat heater.

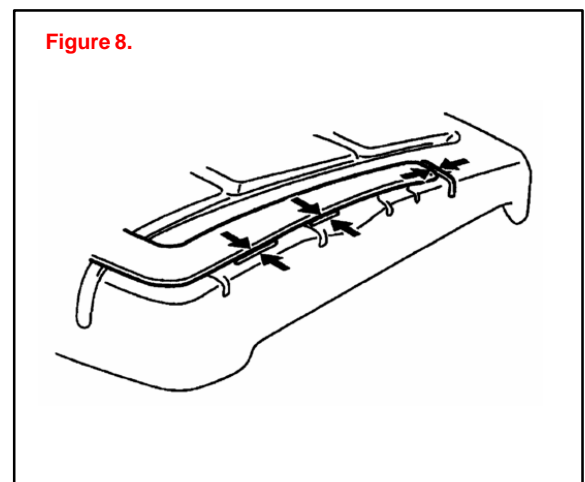
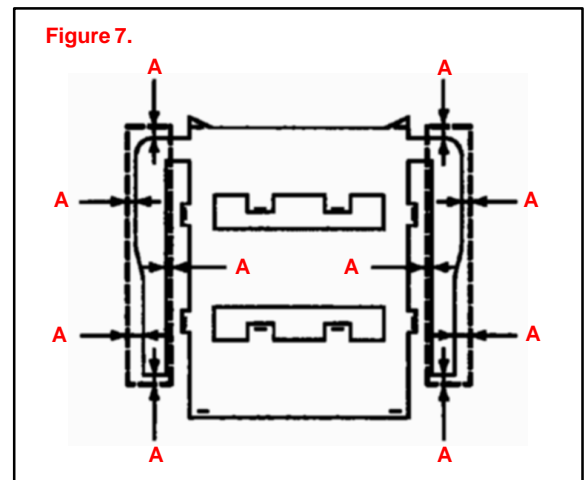
- A. Install the sides of new seat heater to the seat cushion pads with adhesive tape (Figure 7).

NOTE:

Dimension A (adhesive tape) = 15 mm (0.59 in.) or more.

HINT:

Set the side of the new seat heater, align its outline with the scribed marks (Figure 8).



8. Install seat back cover to pad.

- A. Thread the 4 wires through the listing pocket.
- B. Reverse the seat cover back to its original position.
- C. Install the seatback cover to pad with 26 new hog rings (Figure 9).

