

Water Leak At Back Door Hatch

Service Category Vehicle Exterior

Section Door/Hatch

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2006 – 2007	Highlander HV	
2001 – 2007	Highlander	

Introduction

Some 2001 - 2007 model year Highlander / Highlander HV vehicles may exhibit water intrusion into the rear of the vehicle due to a cracked body seam sealer just above the back door stay mount area. Use the following repair information to address this condition.

Figure 1.



Water Leak At Back Door Hatch

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BD1126	Inspect the Left and Right Back Door Upper Stay Mount Area*	0.2	6172#-480#0	66	68

* Use typical body shop sublet claim practice for preparation, welding, sealing, and painting of the rear hatch panel seam.

APPLICABLE WARRANTY

- This repair is covered under the Toyota Comprehensive 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 occurrence of the specified condition described in this bulletin.

Repair Procedure

1. Visually inspect the left and right rear hatch seams above the upper back door stay mounting bracket.

Figure 2.



- A. If separation is present, proceed to step 2 of the repair procedure.
 - B. If no separation is present, STOP. The source of water is coming from a different location. This TSB does NOT apply. Continue diagnostics per the Repair Manual.
2. Send the vehicle to the body shop.
 3. Repair the back door seam area by removing the left and right rear hatch stays, back door weatherstrip, and the interior left and right roof side rail garnish sub-assembly in the recommended repair procedures below.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

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Repair Procedure (Continued)

- [2001](#) / [2002](#) / [2003](#) / [2004](#) / [2005](#) Highlander:
Vehicle Exterior – Engine Hood/Door – “Back Door Stay Assy: Replacement”
- 2006 Highlander HV:
Vehicle Exterior – Engine Hood/Door – “Back Door Support: [Components](#) / [Removal](#) / [Installation](#)”
- 2007 Highlander HV:
Vehicle Exterior – Engine Hood/Door – “Back Door Support: [Components](#) / [Removal](#) / [Installation](#)”
- [2001](#) / [2002](#) / [2003](#) / [2004](#) / [2005](#) Highlander:
Vehicle Interior – Exterior/Interior Trim – “Roof Headlining Assy: Components”
- [2001](#) / [2002](#) / [2003](#) / [2004](#) / [2005](#) Highlander:
Vehicle Interior – Exterior/Interior Trim – “Roof Headlining Assy: Replacement”
- 2006 Highlander:
Vehicle Interior – Interior Panels/Trim – “Roof Headlining: [Components](#) / [Removal](#) / [Installation](#)”
- 2007 Highlander:
Vehicle Interior – Interior Panels/Trim – “Roof Headlining: [Components](#) / [Removal](#) / [Installation](#)”
- 2006 Highlander HV:
Vehicle Interior – Interior Panels/Trim – “Roof Headlining (w/ Rear No. 2 Seat): [Components](#) / [Removal](#) / [Installation](#)”
- 2007 Highlander HV:
Vehicle Interior – Interior Panels/Trim – “Roof Headlining (w/ Rear No. 2 Seat): [Components](#) / [Removal](#) / [Installation](#)”
- 2006 Highlander HV:
Vehicle Interior – Interior Panels/Trim – “Roof Headlining (w/o Rear No. 2 Seat): [Components](#) / [Removal](#) / [Installation](#)”
- 2007 Highlander HV:
Vehicle Interior – Interior Panels/Trim – “Roof Headlining (w/o Rear No. 2 Seat): [Components](#) / [Removal](#) / [Installation](#)”
- Toyota Fundamental Body Repair Procedures manual (Pub. No. 00400-BRM02-0U)
- Complete set of Collision Repair Manuals
- Toyota Fundamental Painting Procedures manual (Pub. No. 00400-BRM33-U)

NOTE

Publication documents may be ordered from the Material Distribution Center (MDC) through Dealer Daily – Dealer Support Materials Orders.

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Repair Procedure (Continued)

4. Record radio presets.
5. Disconnect the cable from the negative battery terminal BEFORE welding.

CAUTION

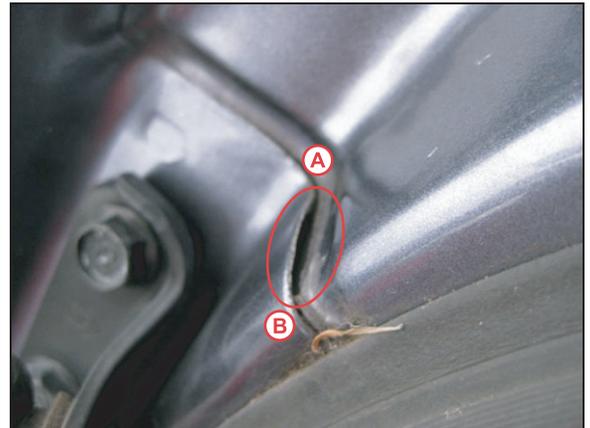
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

6. Remove the seam sealer from the left and right upper rear hatch seam located just above the rear hatch upper stay mount.
7. Adjust the deformed area by using a wooden hammer.

NOTE

Lightly tap the deformed panel with a wooden hammer from point A to B and make it flush with the opposing panel. (left side image shown as reference).

Figure 3.

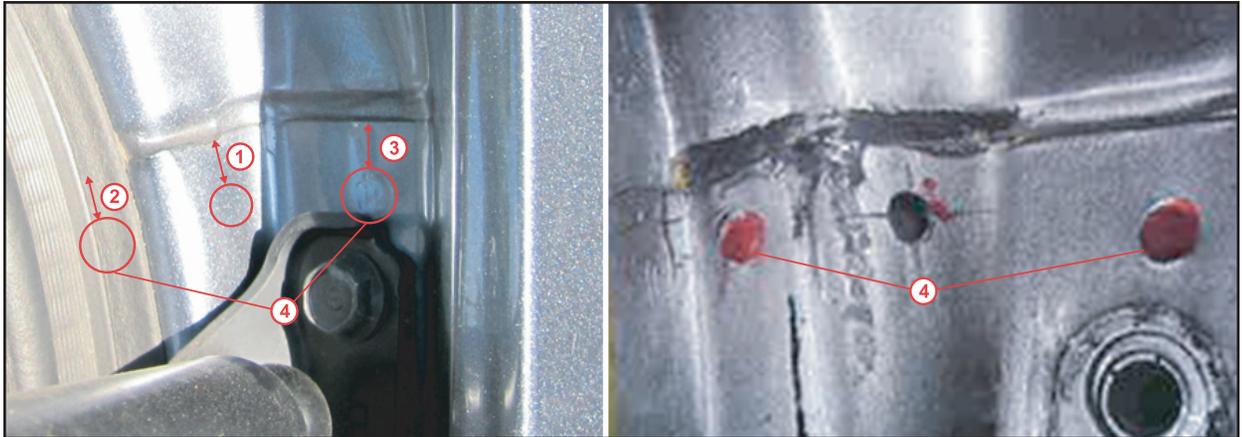


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Repair Procedure (Continued)

8. Mark the location for an additional plug weld on the left and right side as shown in Figure 4 (left side image shown as reference).

Figure 4.



1	6mm Down and Centered
2	4mm

3	8mm
4	Original Spot Welds

NOTE

Location of original spot welds are 4mm and 8mm from edge of the metal. Additional 5mm hole should be centered between the original 4mm and 8mm spot welds. Location of additional weld should be 6mm from the top edge of the sheet metal.

9. Drill a 5mm hole in the area shown in Figure 5.

Figure 5.

NOTE

5mm hole should be centered between the original spot welds.

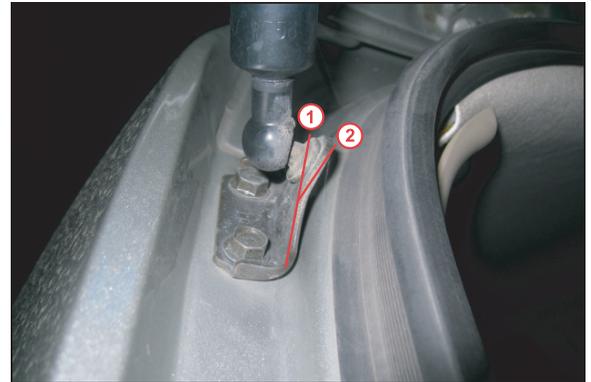


10. Add a plug weld to the location as shown in Figure 5 to the left and right stay mount area (right side shown for reference).
11. Apply an epoxy primer in between seams prior to adding seam sealer.

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Repair Procedure (Continued)

12. Apply seam sealer to the weld location and repaint the rear hatch area according to the paint manufacturer's recommendations.
13. Inspect and replace any deformed rear hatch stay brackets as shown in Figure 6.



1	Correct
2	Incorrect

14. Reassemble the interior roof side rail garnish, back door weatherstrip, and hatch stays in reverse order.
15. Confirm leak is eliminated by water testing.
16. Connect the battery and reset radio as necessary.