

# Spare Tire Carrier Does Not Fully Unwind

**Service Category** Suspension

**Section** Tire/Wheel

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014 - 2016	Highlander, Highlander HV	

## Introduction

Some 2014 – 2016 Highlander/HV vehicles may exhibit a condition where the spare tire cable does NOT fully unwind. This condition can occur when the spare tire carrier is operated without the wheel attached. Follow the Repair Procedure in this bulletin to address this condition.

## Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	ENGINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Highlander	2GR-F	2WD	5TDYKRFH#GS150968 5TDKKRFH#GS150968 5TDZKRFH#GS150968 5TDYK3FH#0S150968 5TDZK3FH#0S150968
		4WD	5TDDKRFH#GS284994 5TDDKRFH#0S284994 5TDJKRFH#GS284994 5TDBKRFH#GS284994
	1AR-F	2WD	5TDYARFH#0S019802 5TDZARFH#GS019802 5TDZARFH#0S019802
Highlander HV	Hybrid	AWD	5TDDCRFH#GS017717 5TDJCRFH#GS017717 5TDBCRFH#GS017717

## Spare Tire Carrier Does Not Fully Unwind

### Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
SU1603	Repair Carrier Assy, Spare Wheel	0.5	51900-0E041	87	99
SU1604	Replace Carrier Assy, Spare Wheel		51900-0E051		

#### 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 occurrence of the specified condition described in this bulletin.

### Parts Information

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
51900-0E040	51900-0E041	Carrier Assy, Spare Wheel	1
51900-0E050	51900-0E051	Carrier Assy, Spare Wheel	1

## Spare Tire Carrier Does Not Fully Unwind

### Repair Procedure

**Figure 1. Position of Cable AFTER Spare Tire Carrier Is Stuck**



1. Turn the jack handle clockwise to wind up the carrier, 1 or more full turns (a clicking noise may be heard).

**Figure 2.**

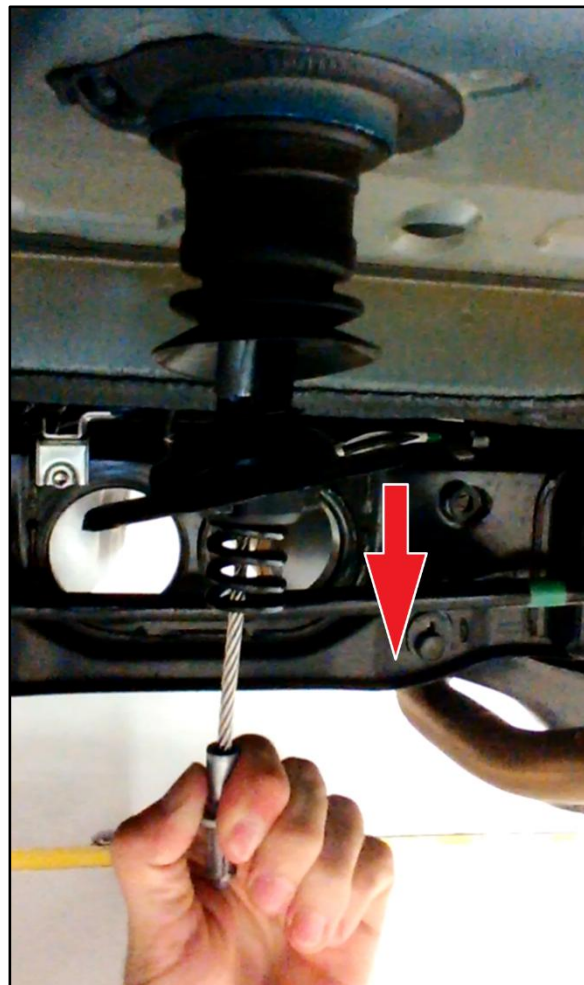


## Spare Tire Carrier Does Not Fully Unwind

### Repair Procedure (Continued)

2. Unwind the carrier counter-clockwise while putting tension on the cable (pull cable with hand or place tire on cable).

Figure 3.



## Spare Tire Carrier Does Not Fully Unwind

### Repair Procedure (Continued)

3. The hook may be stuck to the lip of the carrier's housing once the cable is free and unwound as shown in Figure 5. To remove the hook from the lip, slightly lift the hook and adjust it until it is free.

**NOTE**

If the spare tire carrier is unable to be corrected by the Repair Procedure, then replace with NEW part.

**Figure 4. Close-up of the Hook**



**Figure 5. Hook Stuck on the Lip of the Carrier's Housing**



## Spare Tire Carrier Does Not Fully Unwind

### Removal Procedure

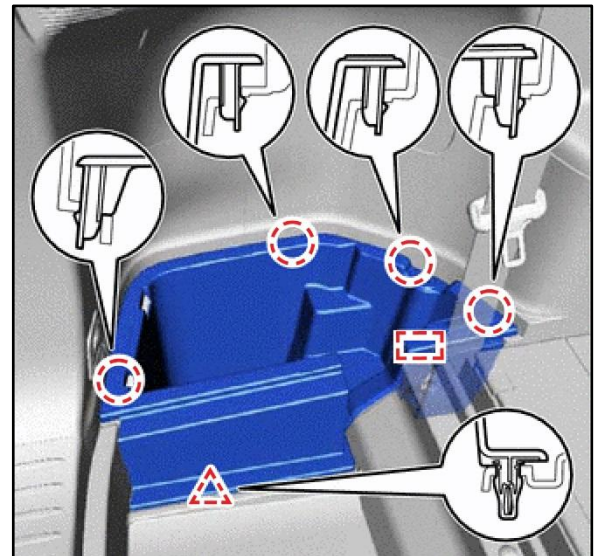
1. Remove the spare tire from the lift plate if mounted to carrier.



**NOTE**

If there is insufficient clearance to remove the spare tire, it may be necessary to cut the spare tire carrier cable.

2. Remove the deck board assembly.
3. Remove the No. 3 deck board sub-assembly
4. Fold the rear No. 2 seatback assembly LH forward.
5. Disengage the 4 claws, clip and guide to remove the deck side trim box LH.

**Figure 6.**



	Claw
	Guide
	Clip

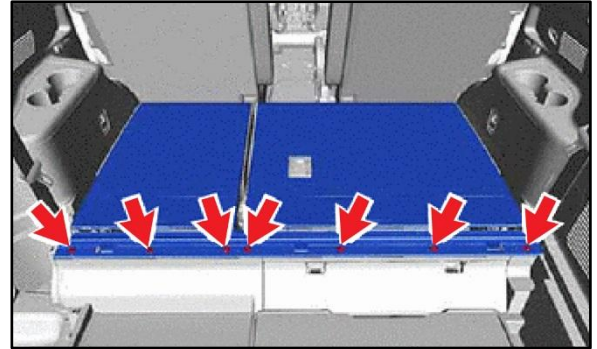


## Spare Tire Carrier Does Not Fully Unwind

### Removal Procedure (Continued)

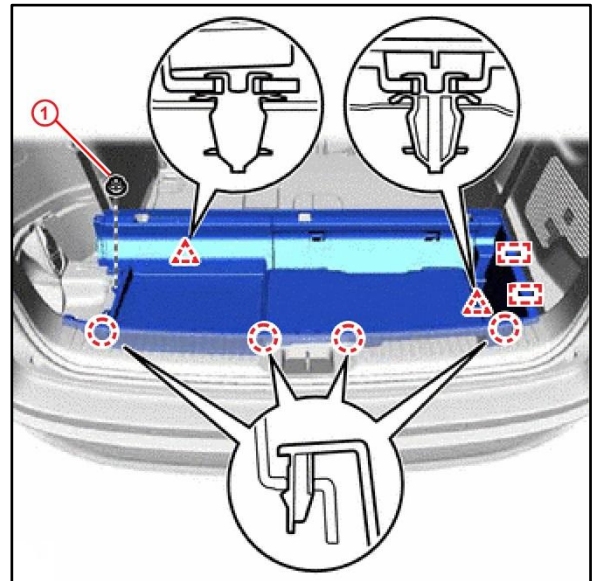
6. Fold the rear No. 2 seatback assembly RH forward.
7. Using a clip remover, remove the 7 clips.

**Figure 7. Location of Clips**



8. Remove the nut.
9. Disengage the 4 claws, 2 clips and 2 guides to remove the rear deck floor box.

**Figure 8.**



<b>1</b>	Nut
	Claw
	Guide
	Clip

10. Remove the 6 nuts retaining the spare tire carrier assembly.

## Spare Tire Carrier Does Not Fully Unwind

### Removal Procedure (Continued)

11. Remove the spare tire carrier assembly by lifting upward. While raising the spare tire carrier assembly, the lift plate **MUST** be guided through the opening in the body.

**NOTE**

If there is insufficient clearance to guide the lift plate through the opening in the body, it may be necessary to cut the spare tire carrier cable.

**Figure 9.**

12. Install the NEW spare tire carrier assembly by guiding the lift plate through the opening in the body and tighten the 6 mounting nuts.

**NOTE**

- MAX speed during installation should be 400RPM.
- MAX winding Torque: 14 N\*m (10.3 ft\*lbf) with max tire weight.

13. Reassemble spare tire carrier by reversing removal steps.
14. Mount tire to carrier and confirm proper operation.