

IMPORTANT UPDATE

TECHNICAL INSTRUCTIONS

FOR

SAFETY RECALL E0S

ORIGINALLY SOLD IN OR CURRENTLY REGISTERED IN

CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA,
RI, VA, VT, WI, WV and the District of Columbia

SPARE TIRE CARRIER CABLE REPLACEMENT

2004 – 2011 SIENNA 2WD

UPDATED November 17, 2015

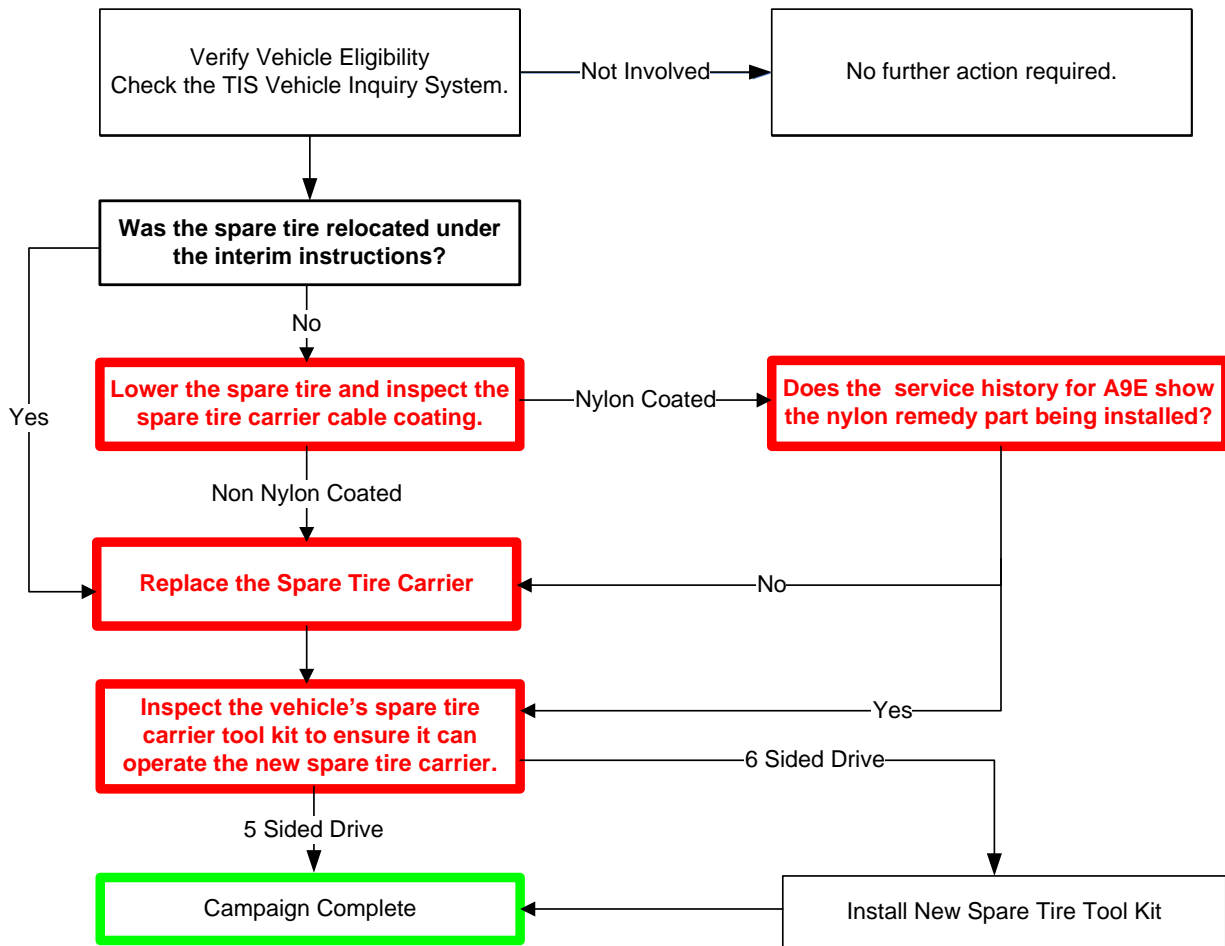
- The TI has been updated to clarify the installation location for the new tire carrier notification label (if required)
(Section: V.G.2)

The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this procedure are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials” To ensure that all vehicles have the repair performed correctly; technicians are required to currently hold at least one of the following certification levels to perform this operation:

- Toyota Certified (any classification)
- Toyota Expert (any classifications)
- Master
- Master Diagnostic Technicians

It is the dealership’s responsibility to select technicians with the above certification level or greater to perform this repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

I. OPERATION FLOW CHART



II. IDENTIFICATION OF AFFECTED VEHICLES

A. AFFECTED VIN RANGE

- Check the TIS Vehicle Inquiry system to confirm the VIN is involved in this Safety Recall. This will verify the vehicle is affected and has not already been completed prior to dealer shipment or by another dealer.
- TMS warranty will not reimburse dealers for repairs conducted on vehicles that are not affected or were completed by another dealer.

III. PREPARATION

A. PARTS

All vehicles will require these parts.

Part Number	Part Description (Kit Contents)	Quantity
04005-31108	Spare Tire Carrier	1
04005-30108	Spare Tire Carrier Hardware Kit	1
90080-17258	Nut	6
90467-06197	Clip	1

Some vehicles will require the following kit because the new spare tire carrier contains a 5 point drive nut instead of a 6 point drive nut to raise and lower the spare tire. Please inspect the vehicles spare tire carrier tool kit to determine if the new kit is required and to ensure the customer will be able to raise and lower the spare tire after the campaign repair.

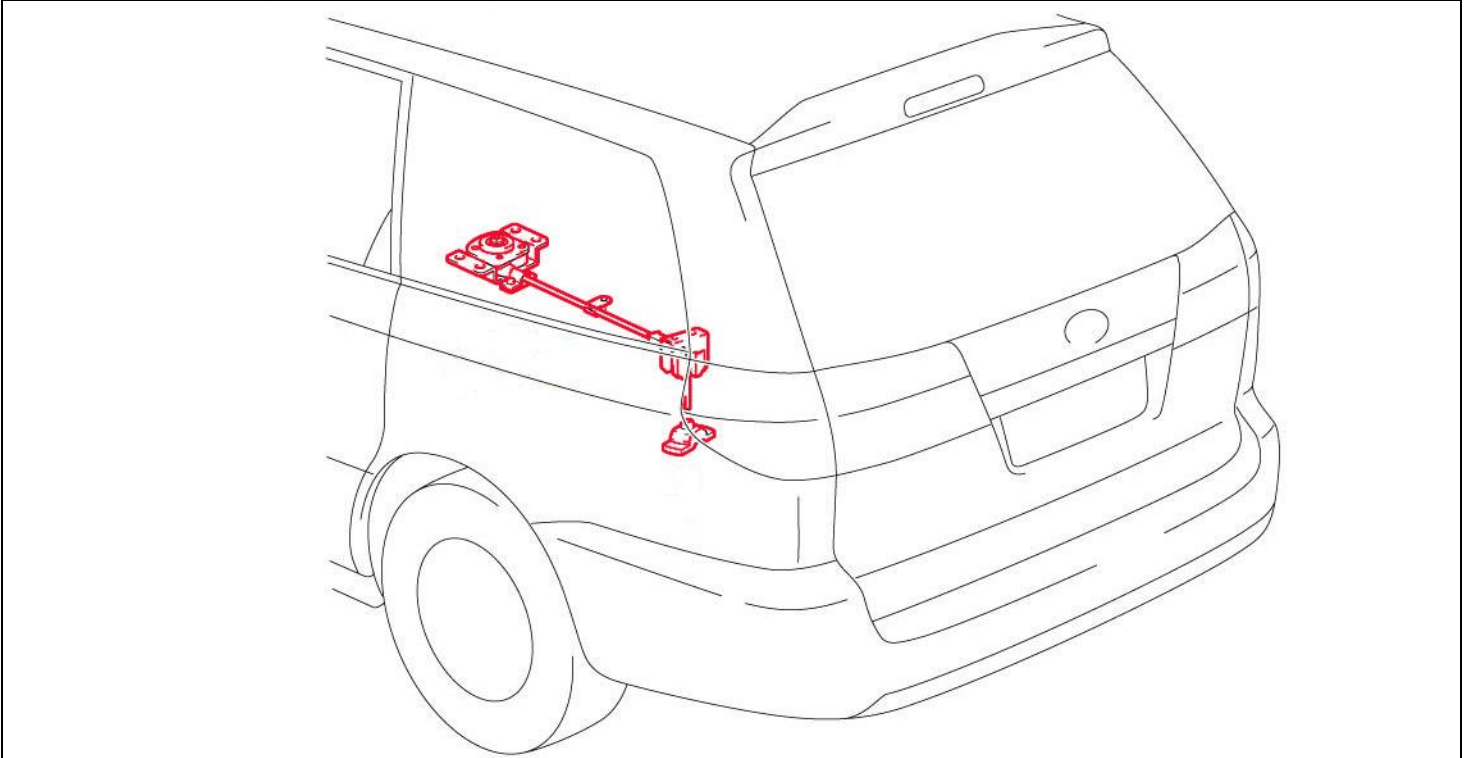
Part Number	Part Description (Kit Contents)	Quantity
04004-66108	Spare Tire Carrier Kit A	1
51942-28010	Spare Wheel Carrier Bolt Handle	1
51939-45010	Spare Wheel Carrier Lock Cover	1
74544-08120	Tire Carrier Notice Label	1

B. TOOLS, EQUIPMENT

- Standard Hand Tools
- Torque Wrench
- Wheel Nut wrench
- Pentagon spare tire carrier socket (vehicle spare tire tool set)

IV. BACKGROUND

On certain 2004 through 2011 model year Sienna 2WD vehicles (equipped with a spare tire) currently registered in or originally sold in cold climate areas with high road salt use (*Severe Cold Climate States*), excessive corrosion may be exhibited on the end of the spare tire carrier cable.



V. WORK PROCEDURE

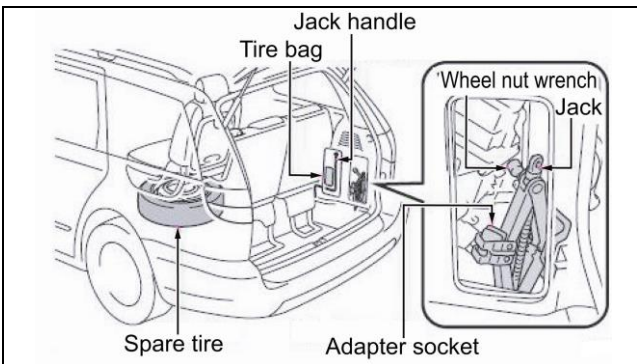
A. REMOVE THE RELOCATED SPARE TIRE

Note: For vehicles that did not have the spare tire relocated under E1S go to step V. B below.

- Remove the ratcheting tie strap securing the spare tire and remove the tire from the cargo area.
- Neatly fold up the tie strap and offer it to the customer after the repair is complete.
- Continue to step V.F.1



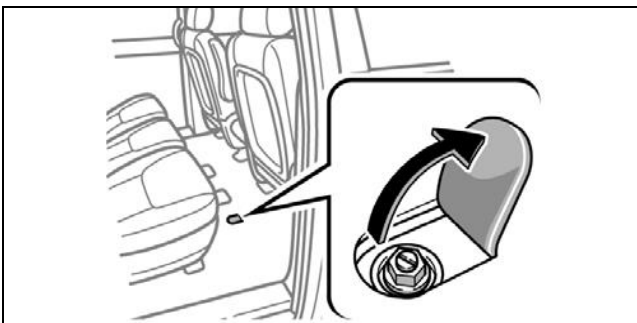
B. LOWER AND REMOVE THE SPARE TIRE



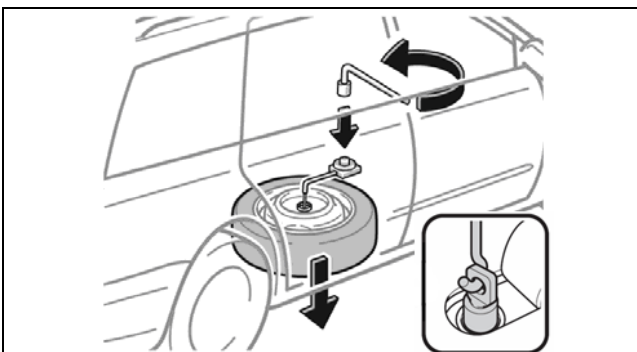
1. LOCATE THE WHEEL NUT WRENCH AND JACK HANDLE

- When accessing the spare tire carrier tools place 1 tire bag in the tire bag slot.

Note: Ensure the tire bag is placed in the slot so the customer has a spare tire bag in the case of a flat.



2. ACCESS THE SPARE TIRE CARRIER



3. LOWER AND REMOVE THE SPARE TIRE

- Lower the spare tire using the spare tire carrier wrench and remove the spare tire.



DO NOT use an impact or power tool to lower the spare tire, damage may occur to the carrier.

C. INSPECTION OF SPARE TIRE CARRIER CABLE



- The spare tire **MUST** be removed to perform the spare tire cable inspection.
- **DO NOT** inspect the cable type without removing the spare tire, otherwise noxudol that was previously applied on the cable could be mistaken for the nylon coating.



This vehicle was previously sprayed with Noxudol and appeared to have the nylon coating until the spare tire was removed. You **MUST REMOVE** the spare tire to inspect the cable.



- If you are unable to determine if the cable is nylon coated or was previously applied with Noxudol, replace the spare tire carrier.
- A low percentage of spare tire carriers were replaced under Safety Recall A9E, it is anticipated that the majority of spare tire carriers will need to be replaced.



1. CONFIRM THE SPARE TIRE CARRIER CABLE TYPE AND CONDITION

- Clean the spare tire cable of dirt and debris.
- Inspect the spare tire carrier to determine what kind of spare tire cable is on the vehicle. Use the table below to determine your next step based on the inspection.

Need to Replace the Spare Tire Carrier

- Raw Steel Cable
- Raw Steel with Corrosion
- Raw Steel with Noxudol
- Black Resin Coated with Exposed Ferrule

All of the above cable type and cable conditions must have the spare tire carrier replaced.

Go to section V.E.1 to inspect the spare tire carrier tool design.

Confirm Spare Tire Carrier Part Number Installed by the Vehicles Service History

- Nylon Coated

Go to section V. D.1

Raw Steel Cable



Raw Steel with Corrosion



Raw Steel with Noxudol



Black Resin Coated with Exposed Ferrule



- Replacement of the spare tire carrier is required. Go to Section V.E.1. to inspect the spare tire carrier tool design.
- If you are unsure of what type of spare tire cable your vehicle is equipped with replace the carrier.

Nylon Coated with Coated Ferrule



If the vehicle appears to have a nylon coated spare tire carrier cable that is in good condition, proceed to section V.D.1 to validate the spare tire carrier part number.

D. VERIFY SPARE TIRE CARRIER TYPE

1. RUN VIN INQUIRY ON VEHICLE

- a) On TIS run a VIN inquiry to retrieve the vehicles service history.

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Library Diagnostics Tech Assistance **Vehicle Inquiry**

Vehicle Identification Number Search

Enter a 17 Digit VIN below to search for applicable information:

VIN: STD 58S15 ZK22C6550 Clear Lookup

Vehicle Information

Division: TOYOTA Model: Sienna Grade: XLE Model Year: 2008

- b) Confirm the A9E/A7E completion date under the campaign tab.

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Library Diagnostics Tech Assistance **Vehicle Inquiry**

Vehicle Identification Number Search

Enter a 17 Digit VIN below to search for applicable information:

VIN: STD 58S15 ZK22C Clear Lookup

Vehicle Information

Division: TOYOTA Model: Sienna Grade: XLE Model Year: 2008

Drive Type: 2WD Body Type: Wagon Engine Family: V6 - 2GR-FE Transmission: 5AT

Date of First Use: 01/19/2008 Production Date: 01/07/2008 Plant Code: S - PRINCETON PLANT - TMHI

VIN: STD-ZK22C Electronic Parts Catalog Flat Rate Manual Standard Equipment [+]

Exterior Color: 08R5, BLUE MIRAGE METALLIC Interior Color: **12, STONE Interior Trim Color: **, * Interior Fabric: *, *

Accessories:

AW: 17" Alloy Wheel w/PP225/60R17 Tires C4: Carpet Floor Mats CF: Carpet Floor Mats/Door Sill Protector D9: Door Sill Protector FE: 50 State Emissions LF: Fog Lamps w/Daytime Running Lights QJ: XLE EVP #3: Leather Trimmed Seats, Dr & Fr W9: WIRELESS HEADPHONES (PAIR) FSA

Campaign Service History ToyotaCare Warranties

Service Campaign

Campaign Description: Safety Recall A9E Phase 1, 2, & 3 (Remedy Notice) - Campaign 1998 through 2010 Toyota Sienna Vehicles Equipped with a Spare Tire - Severe Corrosion of the Spare Tire Carrier Cable

Completion Status: Completed

Date Serviced: 02/23/11

Dealer Name: TOYOTA, INC.

Dealer Code: 85340

[Show Documents]

- c) Click on the service history tab and locate the warranty claim under service history.
- d) Expand the claim by pressing the plus sign on the right hand side of the claim.
- e) Does the service history show part number 5190008035 or 5190008036 being installed?

No: Replace Spare Tire Carrier; go to section V.F.1 for spare tire carrier replacement.

Yes: Campaign Complete; Reinstall Spare Tire on Spare Tire Carrier



Part Number 5190008035 or 5190008036 must be on the claim, if it is not replace the spare tire carrier.



C)

E)

Date	Source	Mileage	Dealer	RO Number	Claim #	Pay Type
12/04/2008	Warranty	14840			990477	WARRANTY PAY
Condition Desc: DRIVER MIDDLE ROW SEAT RIGHT ARMREST EXCESS PLAY BOLT LOOSE						
10/21/2008	Warranty	14151			985541	WARRANTY PAY
Condition Desc: INTERNAL PROBLEM IN PLAYER ASSY						
02/13/2008	Warranty	1246			955336	WARRANTY PAY
Condition Desc: OPEN CIRCUIT IN AUX ADAPTER						

Part #	Part Desc
5194228010	HANDLE, SPARE WHEEL
5190008035	CARRIER ASSY, SPARE
0400041145	KIT, FLOOR SEAL

Claim #: 7201720134
Op Code Desc: A9E REPLACE CARRIER, INSTALL SSC ~|~PERFORM SPARE TIRE CAMPAIGN. NEW ASSEMBLY AND KEY SOP'S IN PARTS. ~|~99 ~|~49852 PERFORMED A9E. REPLACED THE CARRIER AND PLACED THE KEY IN THE GLOVE BOX.
Part Qty: 1
Part #: 5194228010
Part Desc: HANDLE, SPARE WHEEL
Part #: 5190008035
Part Desc: CARRIER ASSY, SPARE
Part #: 0400041145
Part Desc: KIT, FLOOR SEAL

E. INSPECT THE SPARE TIRE CARRIER TOOL KIT DESIGN



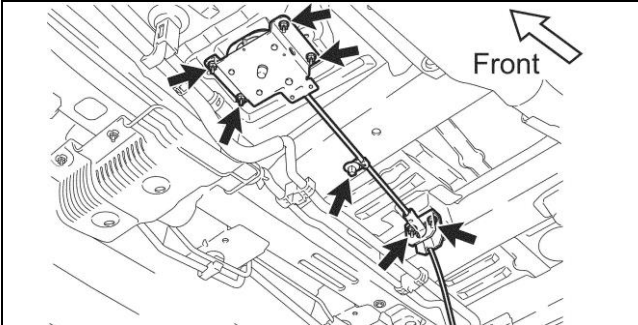
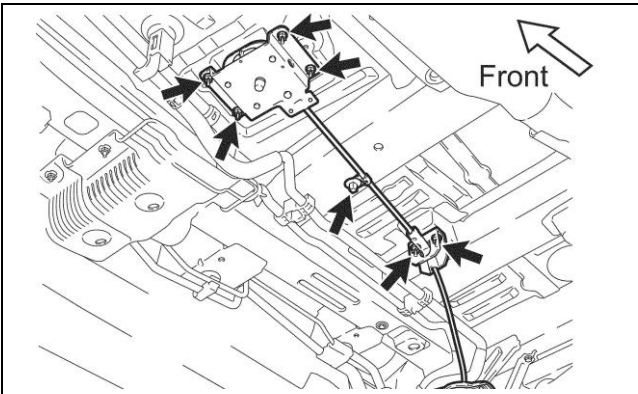
1. INSPECT THE SHAPE OF THE SPARE TIRE CARRIER DRIVE TOOL KIT.

- a) Using the table below determine if the vehicle will require a new Spare Tool Kit "A"

Drive Design	Tool Kit Requirement
Pentagon (5-sided)	Current Tool Kit is Okay
Hexagon (6-sided)	NEW TOOL KIT REQUIRED

Note: The NEW spare tire carrier will come with a pentagon drive nut, so ensure the tool kit in the vehicle will be able to operate the new spare tire carrier.

F. SPARE TIRE CARRIER REPLACEMENT



1. REMOVE THE SPARE TIRE CARRIER ASSEMBLY

- Raise the vehicle on a hoist to access the spare tire carrier.
- Remove the clip located in the center of the carrier rod.
- Remove the 6 nuts securing the carrier.



When removing the nuts use caution because the studs and nuts could be rusted. If damage occurs to the studs parts of the vehicle floor pan may need to be replaced.

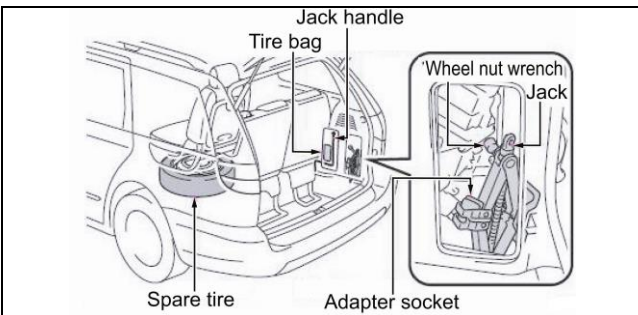
2. INSTALL THE NEW SPARE TIRE CARRIER

- Install the new spare tire carrier with the 6 **NEW** nuts and **NEW** clip.

Torque Specification:
48 in-lbf (5.4 Nm, 55kgf-cm)

3. REINSTALL THE SPARE TIRE BELOW THE VEHICLE

G. INSTALL NEW TIRE CARRIER TOOL KIT A (ONLY IF REQUIRED)



1. INSTALL THE NEW SPARE TIRE CARRIER TOOL KIT

2. INSTALL THE NEW TIRE CARRIER NOTICE LABEL

- Install the new label over the existing label located on the RH "B" pillar.



◀ VERIFY REPAIR QUALITY ▶

- Confirm that the spare tire carrier was installed properly
- Confirm that the vehicle is equipped with the proper tools to be operated by the customer
- Confirm that the spare tire is stowed correctly and pulled tight against the vehicle under body
- Confirm that the seats and interior carpet is clean and free of dirt and grease

If you have any questions regarding this **recall**, please contact your regional representative.