

To: All Toyota Dealer Principals, Service Managers, Parts Managers

Subject: Safety Recall – A9E  
Certain 1998 through 2010 Toyota Sienna 2WD Vehicles Equipped with a Spare Tire  
Severe Corrosion of Spare Tire Carrier Cable  
**Remedy Procedure – Phase 1 (1998 – 2006 model year)**

As previously announced in April 2010, Toyota filed a Defect Information Report (DIR) with the National Highway Traffic Safety Administration (NHTSA) informing the agency of our intent to conduct a voluntary Safety Recall on certain 1998 through 2010 model year Toyota Sienna 2WD vehicles equipped with a spare tire.

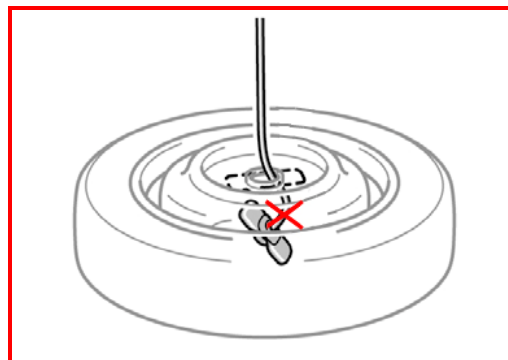
Safety Recall A9E Phase 1 covers certain 1998 through 2006 Sienna 2WD vehicles **currently registered in or originally sold in** the states of CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV, and the District of Columbia. If the subject vehicle is operated in these cold climate regions of the United States where road salts are frequently used, water splashed backwards with high concentrations of road salt can reach the spare tire carrier and corrode the spare tire carrier assembly cable. Subsequent phases will include the remaining Sienna vehicles covered by this Safety Recall (2007 – 2010 model year).

***The purpose of this communication is to inform you that Toyota has completed preparations for this recall and will begin notifying owners of vehicles covered by Phase 1 in mid-October 2010.***

A separate Special Service Campaign (SSC) will be launched shortly for the 1998-2006 model year Sienna vehicles that are not currently registered in or originally sold in the identified states, including those in the U.S. Territories.

## **Background**

On certain 1998 through 2010 model year Sienna 2WD vehicles equipped with a spare tire, which were originally sold in or currently registered in specific 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. In limited instances, the spare tire stowed under the floor may become separated from the spare tire carrier and become a road hazard that could cause a vehicle crash.



**\*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**

## Remedy

A Corrosion Resistant Compound (CRC) will be applied to the end of the spare tire carrier cable. If significant corrosion is found on the spare tire carrier cable, Toyota will first repair the spare tire carrier cable prior to applying the CRC. Both CRC application, and if necessary, cable repair will be performed at **no cost** to the vehicle owner. For additional information on inspection, repair, and CRC application please refer to TIS.

As the defect only occurs after long term exposure to these specific conditions, the Safety Recall will be launched in multiple phases consistent with vehicle age. The phases for Safety Recall A9E will be grouped as follows:

- Phase 1: Certain 1998 through 2006 Model Year Sienna 2WD vehicles
- Phase 2: Certain 2007 through 2009 Model Year Sienna 2WD vehicles
- Phase 3: Certain 2010 Model Year Sienna 2WD vehicles

The following vital information is provided to inform you and your staff of the owner notification phase of this campaign and your degree of involvement.

### 1. Owner Notification Mailing Date

The owner notification (Phase 1) will commence in mid-October, 2010, approximately one week after the dealer notification. A separate dealer notification and activation of VINs in TIS will precede each subsequent phase of owner notification.

Please note that only owners of vehicles covered by the specific phase will be notified. If a dealership is contacted by an owner who has not yet received the notification, please **verify vehicle and phase coverage by confirming through Dealer Daily/TIS**.

Subsequent phases will be launched consistent with parts and repair capacity.

### 2. Dealer/Owner Lists

Phase 1 Summary Reports, containing the **number** of covered vehicles in your dealership's primary marketing area, have been enclosed in the dealer package. (Please verify eligibility by confirming through Dealer Daily or TIS prior to performing repairs.)

### 4. Number and Identification of Covered Vehicles

There are approximately 580,000 Sienna 2WD (certain 1998 through 2010 Model Year) vehicles originally sold in or currently registered in the states covered by this Safety Recall.

Phase 1 will include certain 1998 through 2006 model year Sienna vehicles. The number of Sienna vehicles covered by Phase 1 is approximately 439,000.

MODEL	WMI	MY	VDS	START - FINISH	PHASE
Sienna 1998-2003 MY (Generation 1)	4T3	1998	GF13C	U000021 - U089580	Phase 1
			GF19C	U000018 - U089713	
			MF19C	U000055 - U070516	
			ZF13C	U000019 - U089730	
			ZF19C	U000024 - U000080	
		1999	GF13C	U053491 - U068145	
			GF19C	U068550 - U170849	
			ZF13C	U051335 - U170866	
			ZF19C	U052090 - U170857	
		2000	GF13C	U125596 - U125596	
			GF19C	U126004 - U313355	
			ZF13C	U124826 - U319644	
			ZF19C	U127616 - U319641	
		2001	ZF13C	U250332 - U413544	
			ZF19C	U253475 - U413527	
		2002	ZF13C	U382040 - U508298	
			ZF19C	U411144 - U508297	
		2003	ZF13C	U476697 - U556505	
			ZF19C	U476695 - U556508	
MODEL	WMI	MY	VDS	START - FINISH	PHASE
Sienna 2004-2010 MY (Generation 2)	5TD	2004	ZA22C	S000020 - S221159	Phase 1
			ZA23C	S000038 - S221167	
		2005	ZA22C	S153073 - S387524	
			ZA23C	S152435 - S387528	
		2006	ZA22C	S381751 - S587358	Phase 2
			ZA23C	S381759 - S587362	
		2007	ZK22C	S000015 - S099335	
			ZK23C	S000019 - S099342	
		2008	ZK22C	S099344 - S225325	
			ZK23C	S095940 - S225607	
		2009	ZK22C	S225328 - S289073	
			ZK23C	S222346 - S289398	
		2010	KK4CC	S289076 - S343710	Phase 3
			YK4CC	S289078 - S343708	

(Number and Identification of Covered Vehicles Continued . . . )

Please note that only owners of the covered vehicles will be notified. If a dealer is contacted by an owner who has not yet received the notification, please instruct the dealer to **verify coverage by confirming through Dealer Daily/TIS**. Dealers should perform the procedure as outlined in the Technical Instructions located on TIS.

A UIO matrix by state is provided to inform your dealership of the number of affected vehicles in your state.

**Sienna Vehicles 1998 – 2003 Model Year**

STATE	UIO
CT	7,018
DC	577
DE	1,285
IL	22,463
IN	6,993
KY	8,160

STATE	UIO
MA	15,909
MD	17,104
ME	1,656
MI	6,932
MN	8,259
NH	2,581

STATE	UIO
NJ	20,810
NY	28,509
OH	16,956
PA	17,301
RI	2,017
VA	20,212

STATE	UIO
VT	795
WI	9,355
WV	1,360

**Sienna Vehicles 2004 - 2006 Model Year**

STATE	UIO
CT	5,452
DC	544
DE	1,492
IL	24,697
IN	8,082
KY	6,715

STATE	UIO
MA	13,879
MD	17,839
ME	1,919
MI	7,405
MN	9,339
NH	2,576

STATE	UIO
NJ	19,971
NY	30,692
OH	15,842
PA	18,775
RI	1,496
VA	22,636

STATE	UIO
VT	839
WI	10,774
WV	1,727

Note: To avoid confusion, the UIO provided above does not reflect the number of vehicles originally sold in these states which now reside in other states. Dealerships are requested to review their UIO report for Safety Recall A9E in these cases.

**4. Remedy Procedures**

For additional information on inspection, repair, and CRC application please refer to TIS.

*Conduct all applicable, open Safety Recall and Service Campaigns on the vehicle during the time of appointment.*

**5. Parts Ordering**

The necessary parts can be ordered through your dealership's facing PDC. Parts have been placed on Manual Allocation and will be released daily per the criteria below and dealer repair order percentage PDC affected UIO. Dealers will receive a separate communication illustrating their daily allowable order quantity and maximum order allocation amount in a separate email from their facing PDC Manager.

Part Number	Facing PDC		Daily Maximum Order Quantity
04000-40108	11		Released on case by case basis
04000-40208	12		
04000-41145	13		
04000-40108	16	21	20 pieces per day
04000-40208	17	22	
04000-41145	18	23	

Please refer to the following table and the Technical Instructions (located on TIS) for part number information.

(Parts Ordering Continued . . . )

**1998 – 2003 Sienna Vehicles**

Part Number	Part Description	Quantity
04000-40108	Sienna Kit # 1 (Ferrule Kit)	1 (as required)
04000-40208	Sienna Kit # 2 (Lift Plate Kit)	1 (as required)

**2004 – 2006 Sienna Vehicles**

Part Number	Part Description	Quantity
04000-41145	Floor Seal Kit	1
04000-40108	Sienna Kit # 1 (Ferrule Kit)	1 (as required)
04000-40208	Sienna Kit # 2 (Lift Plate Kit)	1 (as required)

**The parts information above is designed to be a quick reference for your convenience. Additional Parts information can be found in the Appendix.**

**IMPORTANT PARTS ORDERING REMINDER**

Effective March 1, 2009, Safety Recall, Service Campaign (SSC/LSC) and Customer Support Program (CSP) parts do not earn Parts Return Credit Accrual and are not returnable under the Monthly Return Program. It is recommended that you order these parts based on appointments or immediate customer needs using a "Sell One-Buy One" ordering pattern. Please refer to PANT Bulletin 09-12 for additional details.

**8. Tools and Special Material****Noxudol 300 Information (Corrosion Resistant Compound – CRC)**

The Noxudol 300 (corrosion resistant compound – CRC) for application to the spare tire carrier cable can be ordered directly through Noxudol at the following contacts:

**Product:** Noxudol 300

**Internet:** <http://www.noxudolusa.com/noxudolstore/ccp0-prodshow/N300D.html> (Aerosol Can)  
<http://www.noxudolusa.com/noxudolstore/ccp0-prodshow/N300C.html> (1 Liter Bottle)

**Telephone:** 818-308-8430

**Application:** 1 aerosol can or 1 liter bottle can coat approximately 200-400 spare tire carrier cables.

**Maximum Order Quantity:** A maximum order quantity of one aerosol can **or** one 1-liter bottle per day for each dealer has been placed on the Noxudol 300.

In separate shipments scheduled to arrive October 8, 2010, your dealership was sent an A9E Safety Recall tool kit. This shipment includes the required Crimp Die that will be used to attach a new ferrule to a repaired spare tire carrier cable. The kit also includes a check gauge needed to ensure the ferrule was properly crimped on the cable (refer to the TI located on TIS for proper use of this tool kit).

When received, the Safety Recall tool kit package will have a fluorescent (green, orange, yellow or pink) label like the sample seen below for easy identification.

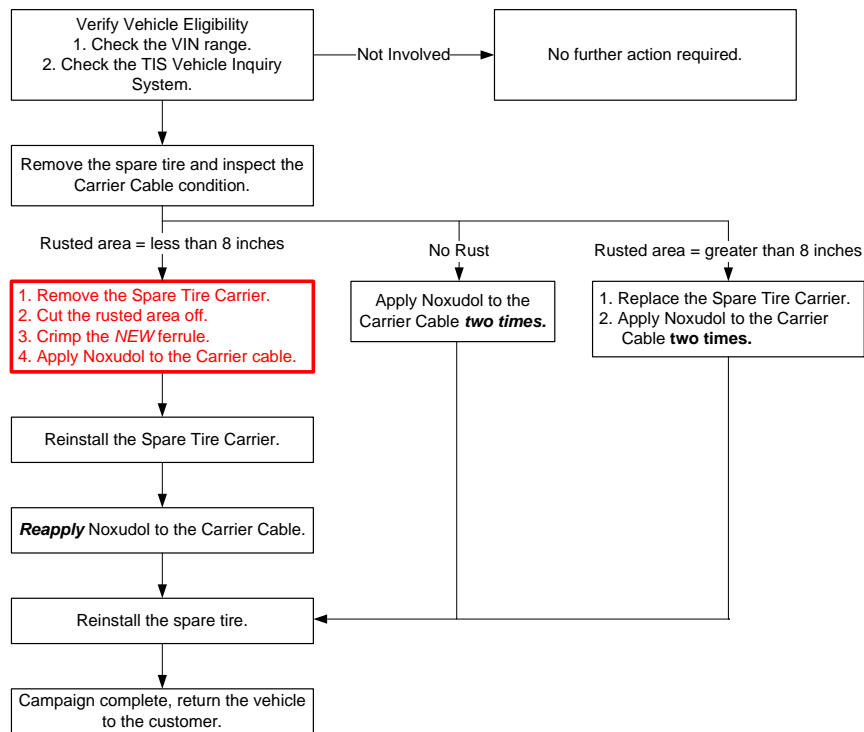
**ATTN: Service Manager**  
 Safety Recall A9E &  
 Special Service  
 Campaign ASE Tool

The additional required tools and equipment are listed in the technical instructions found on TIS.

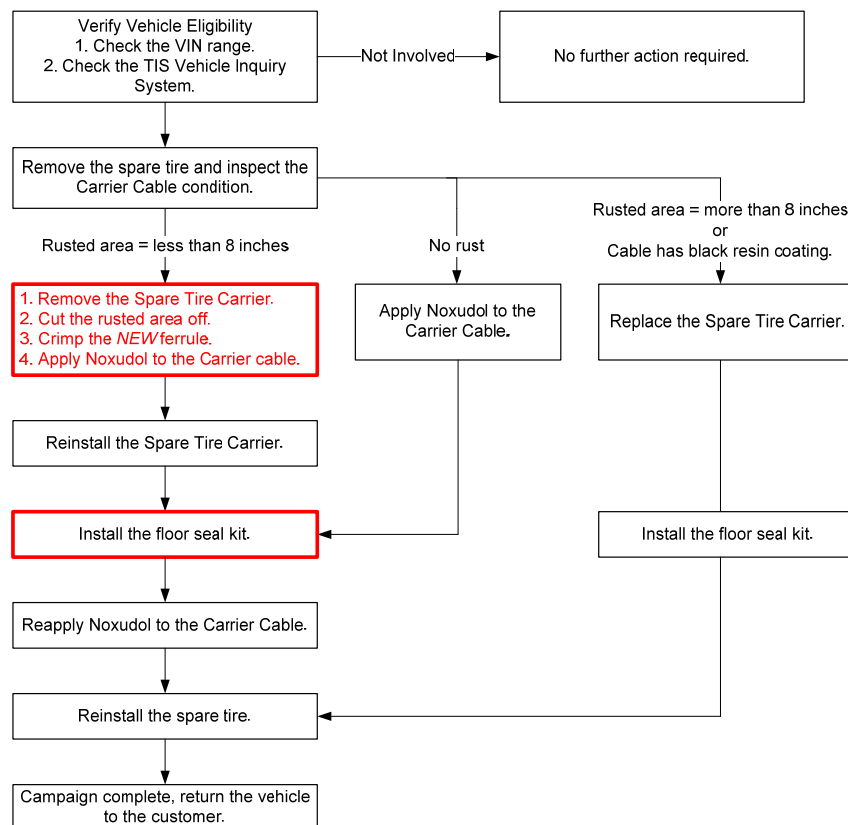
## 8. Warranty Processor Instructions

Please note the following for this Safety Recall:

### 1998 – 2003 Model Year Sienna



### 2004 – 2006 Model Year Sienna



(Warranty Processor Instructions Continued . . . )

**1998 – 2003 Model Year Sienna Vehicles**

Safety Recall #	Op. Code	Description	Flat Rate Hour
A9E	0522J1	<ul style="list-style-type: none"> <li>Inspect the Spare Tire Carrier Cable – <b>Inspection OK</b></li> <li>Apply CRC to the Spare Tire Carrier Cable</li> </ul>	0.5 hr/vehicle
	0522J2	<ul style="list-style-type: none"> <li>Inspect the Spare Tire Carrier Cable – <b>Inspection NG</b></li> <li>Repair the Spare Tire Carrier Cable</li> <li>Apply CRC to the Spare Tire Carrier Cable</li> </ul>	0.7 hr/vehicle

**2004 – 2006 Model Year Sienna Vehicles**

Safety Recall #	Op. Code	Description	Flat Rate Hour
A9E	0522J4	<ul style="list-style-type: none"> <li>Inspect the Spare Tire Carrier Cable – <b>Cable OK</b></li> <li>Apply CRC to the Spare Tire Carrier Cable</li> <li>Install floor seal</li> </ul>	0.5 hr/vehicle
	0522J5	<ul style="list-style-type: none"> <li>Inspect the Spare Tire Carrier Cable – <b>Cable NG</b></li> <li>Repair the Spare Tire Carrier Cable</li> <li>Apply CRC to the Spare Tire Carrier Cable</li> <li>Install floor seals</li> </ul>	0.8 hr/vehicle

- The above flat rate times include 0.1 hours for administrative cost per unit for the dealership.
- The cost for the Noxudol 300® (CRC) can be claimed as a sublet type “OF” at a rate of \$2.00 per vehicle.

**In a limited number of cases**, it may be necessary to replace the spare tire carrier assembly. **Refer to TIS for replacement qualifications.** Please utilize the following Op. Codes when replacing the spare tire carrier assemblies.

**1998 – 2003 Model Year Sienna Vehicles**

Safety Recall #	Op. Code	Description	Flat Rate Hour
A9E	0522J3	<ul style="list-style-type: none"> <li>Inspect the Spare Tire Carrier Cable – <b>Cable NG</b></li> <li>Replace the spare tire carrier assembly</li> <li>Apply CRC to the <b>new</b> spare tire carrier cable</li> </ul>	0.5 hr/vehicle

**2004 – 2006 Model Year Sienna Vehicles**

Safety Recall #	Op. Code	Description	Flat Rate Hour
A9E	0522JA	<ul style="list-style-type: none"> <li>Inspect the Spare Tire Carrier Cable – <b>Cable NG</b></li> <li>Install floor seals</li> <li>Replace the spare tire carrier assembly</li> </ul>	0.6 hr/vehicle

**Refer to TIS for spare tire carrier assembly replacement qualifications.**

- The above flat rate times include 0.1 hours for administrative cost per unit for the dealership.
- The cost for the Noxudol 300® (CRC) can be claimed as a sublet type “OF” at a rate of \$2.00 per vehicle.
- CRC will only needs to be applied to new spare tire carrier cables designed for 1998 – 2003 model year Sienna vehicles.**
- For cases where the spare tire is missing from the vehicle, due to rust corroding the cable, use the following formula for reimbursement. Sublet type **ZZ**:

Op Code 0522J3/0522JA + Tire & Rim Cost + Mounting of Tire on Rim (max. 0.4hr) + Valve Stem, Tire Weights, etc (max. \$10) =

- The interim inspection procedure, A0E, is now superseded by Safety Recall A9E. All A0E procedures, including inspection and relocation of the spare tire, must be completed by October 13, 2010. All Claims for A0E must be submitted no later than November 12, 2010.

**7. Customer Handling**

Please consider this Safety Recall a great opportunity to focus on assuring customers that their safety remains Toyota's highest priority. Customers who receive the owner letter may contact your dealership with questions regarding the letter and/or Safety Recall remedy. Please welcome them to your dealership and answer any questions they may have. A Q&A is provided to assure a consistent message is communicated.

Customers with additional questions or concerns are asked to please contact the Toyota Customer Experience Center (1-888-270-9371).

**9. Media Contacts**

For ***News media inquiries only***:

It is imperative that all media contacts (local and national) receive a consistent message. In this regard, ***all media contacts*** must be directed to Brian Lyons (310) 468-2552, in Corporate Communications. (Please do not provide these numbers to customers or direct dealership associates to call).

***Please review this entire package with your Service and Parts staff to familiarize them with the proper step-by-step procedures required to implement this Safety Recall.***

Thank you for your cooperation.  
TOYOTA MOTOR SALES, U.S.A., INC.

## APPENDIX

The necessary parts can be ordered through your dealership's facing PDC. Please refer to the table below and the Technical Instructions (located on TIS) for part number information.

### 2004 – 2006 Sienna Vehicles

Part Number	Part Description	Quantity
04000-41145	Floor Seal Kit	1 (2004 – 2006 MY)
<p>The kit above includes the following parts: 57899-45020 = Long Floor Seal (Seal, RR Floor) = 1 58212-45011 = Short Floor Seal (Seal, CTR Floor) = 2</p> <p><b><i>A Floor Seal Kit is required for all 2004-2006 model year Sienna vehicles equipped with a spare tire.</i></b></p>		

### 1998 – 2006 Sienna Vehicles

Part Number	Part Description	Quantity
04000-40108	Sienna Kit # 1 (Ferrule Kit)	1 (as required)
<p>The kit above includes the following parts: 51923-08010* = Plate, Spare Tire Wheel Carrier Hanger = 1 51946-08010* = Bracket, Spare Wheel Carrier Stopper = 1 90080-17258 = Nut, Flange = 6</p> <p><b><i>A Ferrule Kit should only be installed if the spare tire carrier cable exhibits a rust condition that is less than 8". Refer to the TI located on TIS for additional information.</i></b></p>		

\*These parts are NOT available as individual service parts.

### 1998 – 2006 Sienna Vehicles

Part Number	Part Description	Quantity
04000-40208	Sienna Kit # 2 (Lift Plate Kit)	1 (as required)
<p>The kit above includes the following parts: 51938-08020* = Bracket, Spare Wheel Carrier Mounting (Lift Plate) = 1 51945-08020* = Bracket, Spare Wheel Carrier Cushion (Bushing) = 1</p> <p><b><i>A lift plates should only be replaced if there is severe rust on the lift plate, damage to the bushing, and/or no paint left on the lift plate. Refer to the TI located on TIS for additional information.</i></b></p>		

\*These parts are NOT available as individual service parts.

### IMPORTANT PARTS ORDERING REMINDER

Effective March 1, 2009, Safety Recall, Service Campaign (SSC/LSC) and Customer Support Program (CSP) parts do not earn Parts Return Credit Accrual and are not returnable under the Monthly Return Program. It is recommended that you order these parts based on appointments or immediate customer needs using a "Sell One-Buy One" ordering pattern. Please refer to PANT Bulletin 09-12 for additional details.



**In a limited number of cases**, it may be necessary to replace the spare tire carrier assembly. The following table is provided for referencing the proper spare tire carrier part number.

Make	Part Number	Description	Qty per Vehicle
1998-2003 Model Year Sienna (Gen 1)	51900-08010	Carrier Assy, Spare Tire	1 (as required)
2004-2010 Model Year Sienna (Gen 2)	51900-08034*	Carrier Assy, Spare Tire	1 (as required)
2004 Through Certain 2008 Model Year Sienna	51942-28010*	Spare Wheel Carrier Bolt Socket Handle	1 (as required)
	51939-45010*	Spare Wheel Carrier Lock Cover	1 (as required)
	74544-08120*	Tire Carrier Notice Label	1 (as required)



**Refer to TIS for spare tire carrier assembly replacement qualifications.**

- \* Second generation 2WD Sienna vehicles produced before mid-February 2008 may be equipped with a spare tire carrier assembly utilizing a hexagon (6-sided ☰) type spare tire clamp bolt. The replacement carrier will be equipped with a pentagon (5-sided ☐) type clamp bolt. When installing a new spare tire carrier assembly that utilizes a pentagon type bolt, dealers will need to make sure the vehicle is equipped with a Spare Tire Wheel Carrier Bolt Socket, Spare Wheel Carrier Lock Cover and the Tire Carrier Notice Label on the vehicles. Please refer to T-SB-0381-08 for additional information.

**Manual Allocation Control (MAC) for Spare Tire Carrier Assemblies:**

In a limited number of cases, it may be necessary for the dealer to replace the spare tire carrier assembly. To help ensure a sufficient quantity of parts, the spare tire carrier assembly has been placed on Manual Allocation Control (MAC).

MAC parts are reviewed and released daily based on available inventory and specific dealer ordering criteria. Currently, spare tire carrier assemblies are reviewed and released daily by NAPO Special Activity team. Approval or special request from Dealer Operations is no longer required.

**Certain 1998 Through 2010 Toyota Sienna Vehicles Equipped with a Spare Tire  
Severe Corrosion of Spare Tire Carrier Cable  
SAFETY RECALL NOTICE (Remedy Now Available)**

[VIN]

Dear Toyota Customer:

This notice is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Toyota has decided that a defect, which relates to motor vehicle safety, exists in certain 1998 through 2010 Model Year Sienna vehicles equipped with a Spare Tire.

**What is the condition?**

As communicated earlier this year, on certain 1998 through 2010 model year Sienna 2WD vehicles equipped with a spare tire, which were originally sold in or currently registered in specific 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. In limited instances, the spare tire stowed under the floor may become separated from the spare tire carrier and become a road hazard that could cause a vehicle crash.

**What will Toyota do?**

Toyota has prepared the remedy for this condition. A Corrosion Resistant Compound (CRC) will be applied to the end of the spare tire carrier cable. If significant corrosion is found on the spare tire carrier cable, Toyota will first repair the spare tire carrier cable prior to applying the CRC. Both CRC application, and if necessary, cable repair will be performed at **no cost** to you.

**What should you do?**

***This is an important Safety Recall***

Please contact your authorized Toyota dealer and make an appointment as soon as possible. The CRC application and/or spare tire carrier cable repair will take approximately one hour. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

**\*This Safety Recall involves customers whose vehicles are registered or originally purchased in the following 20 Severe Cold Climate States and the District of Columbia.**

**CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI & WV**

**If your vehicle is covered by this Safety Recall, you do not need an owner letter to have this Safety Recall completed; however to assist the dealer in confirming vehicle eligibility, we request that you present this notice to the dealer at the time of your service appointment.**

If you would like to update your vehicle ownership or contact information, please go to [www.toyota.com/ownersupdate](http://www.toyota.com/ownersupdate). You will need your full 17-digit Vehicle Identification Number (VIN) to input the new information.

**What if you have other questions?**

***Your local Toyota dealer will be more than happy to answer any of your questions and set up an appointment to perform the remedy.*** If you require further assistance, you may contact the Toyota Customer Experience Center at 1-888-270-9371 Monday through Friday, 5:00 am to 6:00 pm, Saturday 7:00 am through 4:00 pm Pacific Time.

If you believe that the dealer or Toyota has failed or is unable to remedy the defect within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue S.E., Washington, DC 20590 or call the toll free Vehicle Safety Hot Line at 1-888-327-4236 (TTY: 1-800-424-9153), or go to <http://www.safercar.gov>.

**What if you have previously paid for repairs to your vehicle for this specific condition?**

If you have previously paid for repair to your vehicle for this specific condition prior to receiving this letter, please mail a copy of your repair order, proof-of-payment, and proof-of-ownership to the following address for reimbursement consideration:

Toyota Motor Sales, U.S.A., Inc  
Toyota Customer Experience, WC 10  
19001 South Western Avenue  
Torrance, CA 90509

If you are a vehicle lessor, Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

We have sent this notice in the interest of your continued satisfaction with our products, and we sincerely regret any inconvenience this condition may have caused you.

Thank you for driving a Toyota.

Sincerely,  
| TOYOTA MOTOR SALES, U.S.A., INC.

Sample



## Safety Recall A9E

Certain 1998 through 2010 Toyota Sienna Vehicles

### Severe Corrosion of Spare Tire Carrier Cable – Q&A

September 2010 - Phase 1 (1998 through 2006 model year)

Safety Recall A9E covers certain 1998 through 2010 Sienna 2WD vehicles **currently registered in or originally sold in the states of** 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. If the subject vehicle is operated in these cold climate regions of the United States where road salts are frequently used, water splashed backwards with high concentrations of road salt can reach the spare tire carrier and corrode the spare tire carrier assembly cable.

As the defect only occurs after long term exposure to these specific conditions, the Safety Recall will be launched in multiple phases consistent with vehicle age. The Phases for Safety Recall A9E will be grouped as follows:

- Phase 1: Certain 1998 through 2006 Model Year Sienna 2WD vehicles
- Phase 2: Certain 2007 through 2009 Model Year Sienna 2WD vehicles
- Phase 3: Certain 2010 Model Year Sienna 2WD vehicles

Each phase of owner notification will be preceded by a dealer notification. The dealer notification will be sent approximately one week prior to the start of each phase.

#### **Q1: What is the condition?**

A1: On certain 1998 through 2010 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. In limited instances, the spare tire stowed under the floor may become separated from the spare tire carrier and become a road hazard that could cause a vehicle crash.

#### **Q2: Which are the Severe Cold Climate States with high road salt usage?**

A2: Vehicles originally sold in or currently registered in the following states and the District of Columbia are covered:

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

#### **Q2a: Why are some states contiguous to the Severe Cold Climate States not included?**

A2a: Only portions of the listed states may exhibit the cold climate and high road salt usage which can cause this condition. To simplify the administration of this campaign and avoid confusion, Toyota has elected to include the entire state as a Severe Cold Climate State rather than a portion. Therefore, contiguous states not identified as a Severe Cold Climate State are not directly involved in the Safety Recall.

#### **Q2b: Why aren't vehicles originally sold or currently registered in other states covered by the Safety Recall?**

A2b: The Safety Recall covers those vehicles that are driven in cold climate regions of the United States where road salts are frequently used, where water with high concentrations of road salt can splash backwards and reach the spare tire carrier and corrode the spare tire carrier assembly cable.

Some owners of vehicles originally sold or currently registered outside of the specific areas may spend extended period of time in areas of frequent road salt usage. For those owners, they will receive a separate Special Service Campaign notification including details on how to obtain an inspection **if they desire**. If the owner believes their vehicle is exposed to these conditions, Toyota will perform the same inspection and repair for those vehicles at **no charge**.

#### **Q3: Are there any warnings this condition exists?**

A3: No, there are no specific warnings that this condition exists.

**Q4: What is the cause of this condition?**

A4: The corrosion resistance of the spare tire carrier cable is insufficient when vehicles are operated in areas where a large amount of road salt is applied.

**Q5: What is Toyota going to do?**

A5: Based upon the dealer's inspection, Toyota will do one of the following **at no charge** to the vehicle's owner:

***1998 through 2003 Model Year Sienna Vehicles***

- If there is no rust present on the spare tire carrier cable (cable) the dealer will apply a corrosion resistant compound to the cable.
- If rust **is** present on **less than 8 inches from the end** of the cable; that portion of the cable will be cut, a new ferrule will be crimped-on and a corrosion resistant compound will be applied.
- If rust is present on **more** than **8 inches from the end** of cable, the spare tire carrier assembly will be replaced and a corrosion resistant compound will be applied to the new cable.

***2004 through 2006 Model Year Sienna Vehicles***

- If there is no rust present on the spare tire carrier cable (cable) the dealer will apply a corrosion resistant compound to the cable. A seal will also be installed between the spare tire carrier and right front tire to minimize rearward water splash.
- If rust **is** present on **less than 8 inches from the end** of the cable; that portion of the cable will be cut, a new ferrule will be crimped-on and a corrosion resistant compound will be applied. A seal will also be installed between the spare tire carrier and right front tire to minimize rearward water splash.
- If rust is present on **more** than **8 inches from the end** of cable, the spare tire carrier assembly will be replaced. A seal will also be installed between the spare tire carrier and right front tire to minimize rearward water splash.

**Q5a: If a dealer replaces the spare tire carrier assembly on certain 1998 through 2003 model year Sienna vehicles, why will the dealer need to apply corrosion resistant compound to the new cable?**

A5a: The dealer will apply the corrosion resistant compound to the new cable to further enhance the corrosion resistant performance. Additionally, to simplify the administration of this campaign and avoid confusion of the repair method for 1998 through 2003 model year Sienna vehicles, Toyota has elected to apply the corrosion resistant compound to all vehicles covered by this recall.

**Q5b: If a 2004 through 2006 model year Sienna vehicle is equipped with a spare tire carrier that has a black resin sleeve installed, why is Toyota replacing it with another spare tire carrier also equipped with a black resin sleeve?**

A5b: If a vehicle has had the spare tire carrier assembly replaced previously, a black resin sleeve may be installed on the cable. Although this early black resin sleeve may provide some corrosion protection, Toyota will replace the spare tire carrier with a newly designed unit to further enhance the corrosion resistant performance.

**Q5c: Why doesn't Toyota remove the black resin sleeve and apply the corrosion resistant compound to the exposed cable?**

A5c: When removed, the black resin sleeve leaves a film that prevents the corrosion resistant compound from penetrating the cable and protecting the strands. In these cases, Toyota will replace the spare tire carrier assembly with a recently produced one.

**Q6: What should customers do?**

A6: Owner's of Sienna vehicles covered by this phase, whose vehicles are currently registered in or were originally sold in the Severe Cold Climate States or the District of Columbia, are requested to bring the vehicle to a Toyota dealership as soon as possible to have this Safety Recall remedy conducted.

**Q6a: What steps can consumers take to mitigate any risk prior to completion of the recall?**

A6a: Customers may eliminate any risks of spare tire separation from the carrier by removing it from the carrier assembly and relocating it. If storing the spare tire in the luggage area, it must be properly secured to the vehicle.

**Q7: Which and how many vehicles are involved?**

A7: There are approximately 580,000 vehicles covered.

	Model Year	Model	Approx UIO
USA	1998 - 2003	Sienna 2WD	220,000
USA	2004 - 2010	Sienna 2WD	360,000

**Q8: Why is Toyota not launching this Safety Recall in the remaining 30 states?**

A8: Continued prolonged exposure to high concentrations of road salts and other cold climate environmental factors contribute to this condition.

Therefore, customers not covered by this safety recall do not need to take any action at this time. However, these owners in other states will receive a separate Special Service Campaign notification including details on how to obtain an inspection if they believe their vehicle will be operated in one of the Severe Cold Climate States or in similar conditions. Toyota will perform the same inspection and repair for those vehicles at **no charge** to the customer.

**Q9: When will Toyota launch the Special Service Campaign for the 30 Warm States.**

A9: Toyota will launch Special Service Campaign for the remaining 30 warm states shortly.

**Q10: Which and how many vehicles are involved in the Special Service Campaign for the remaining 30 Warm states?**

A10: There are approximately 733,000 vehicles originally sold in or currently registered in the warm weather states.

	Model Year	Model	Approx UIO
USA	1998 - 2003	Sienna 2WD	272,000
USA	2004 - 2010	Sienna 2WD	461,000

**Q11: Are there any other Toyota or Lexus vehicles involved?**

A11: No other Toyota or Lexus vehicles are involved.

**Q12: What is the production period of the Sienna vehicles covered by this Safety Recall?**

A12: The vehicles covered by the safety recall were produced from August 1997 to January 2010.

**Q13: How long will the repair take?**

A13: The inspection and repair of the spare tire carrier will take approximately 1 hour. However it may take longer based upon the inspection results and the dealer's work schedule.

**Q14: What should customers in states not covered by the Safety Recall do?**

A14: Owners of certain 1998 through 2010 model year Sienna vehicles, not covered by the Safety Recall, will receive a separate Special Service Campaign notification including details on how to obtain an inspection **if they desire**. If an owner believes their vehicle is exposed to these conditions, Toyota will perform the same inspection and repair at **no charge**.

**Q15: What if a customer has previously paid to replace the vehicle's spare tire carrier for this specific condition?**

A15: Reimbursement consideration instructions will be provided in the owner letter for those customers that have previously paid to replace the spare tire carrier cable for this specific condition.

**Q16: What should an owner do if they experience the condition, or have immediate concerns about their vehicle?**

A16: If an owner has any immediate concerns they are requested to contact their local Toyota dealer for diagnosis, and if applicable, necessary repair.

Owners may also contact the Toyota Customer Experience Center (1-800-331-4331) for additional assistance.

**TECHNICAL INSTRUCTIONS**

**FOR**

**SAFETY RECALL A9E**

**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**

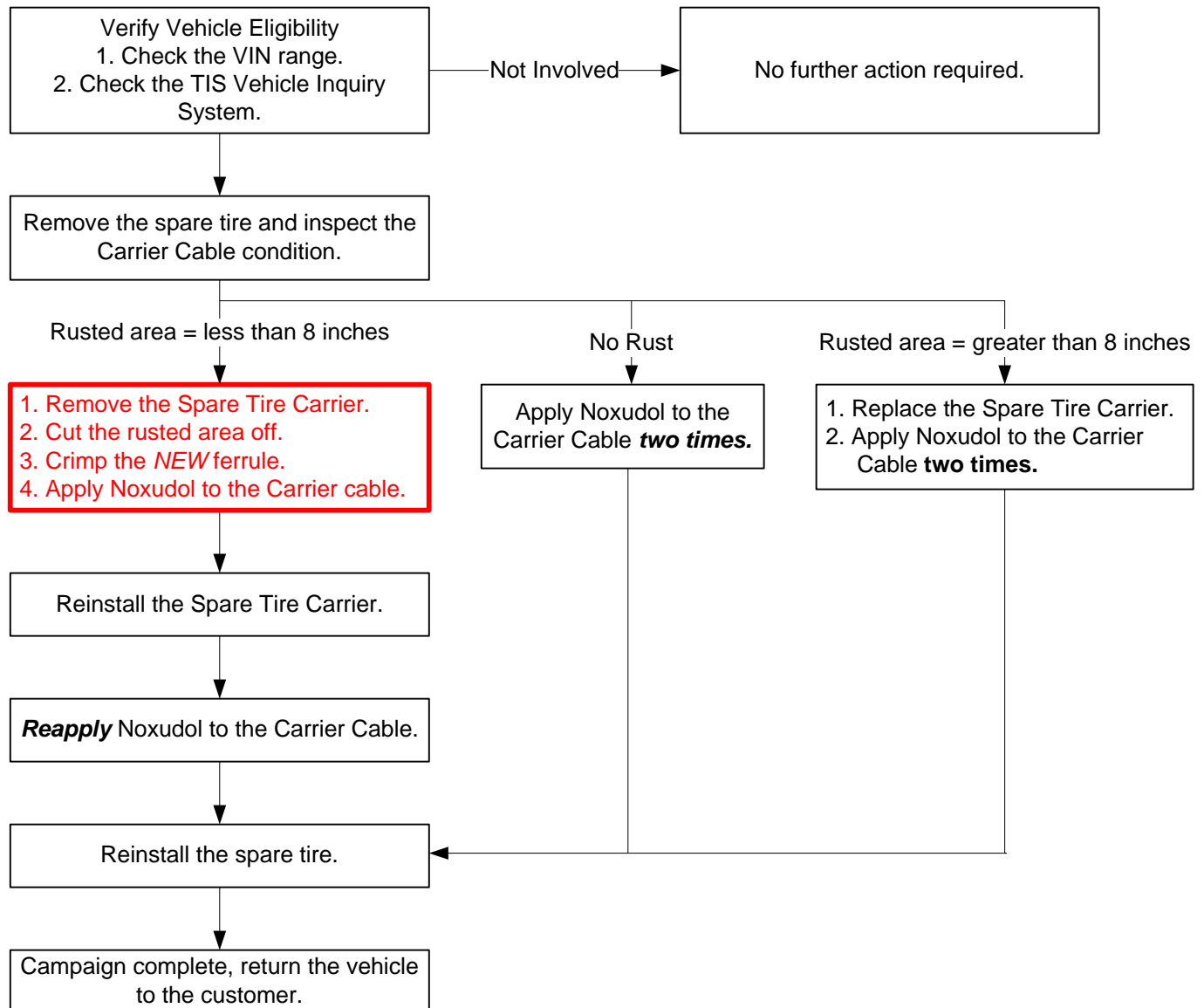
**SPARE TIRE CARRIER CABLE REPAIR**

**1998 – 2006 SIENNA 2WD**

**Phase 1**

## I. OPERATION FLOW CHART

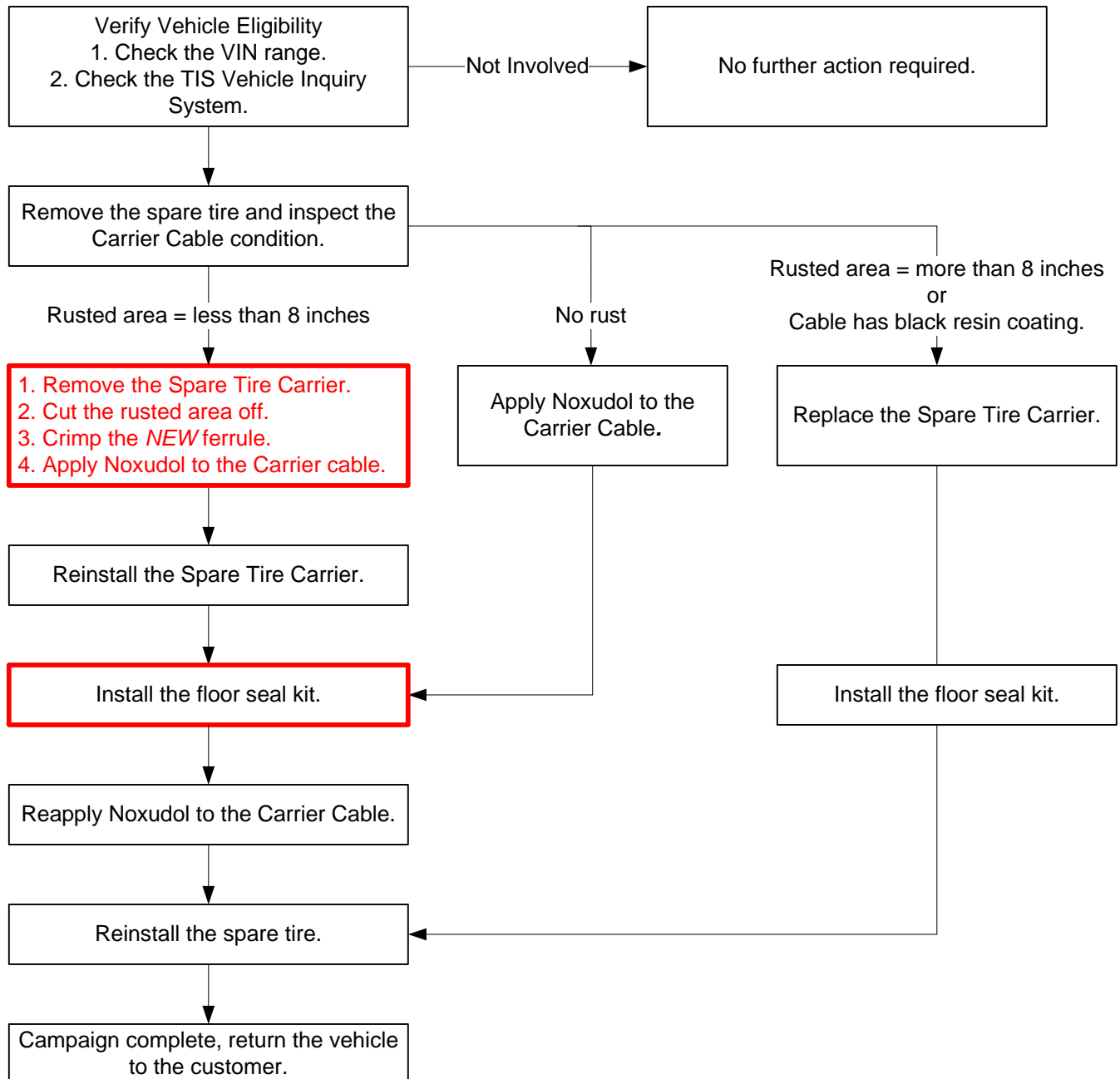
### 1998 – 2003 MY



2004 – 2006 MY flow chart (see next page)



## 2004 – 2006 MY



## II. IDENTIFICATION OF AFFECTED VEHICLES

### A. AFFECTED VIN RANGE

Model	WMI	Year	VIN Range	
			VDS	Range
Sienna	4T3	1998	GF13C	U000021 - U089580
			GF19C	U000018 - U089713
			MF19C	U000055 - U070516
			ZF13C	U000019 - U089730
			ZF19C	U000024 - U000080
		1999	GF13C	U053491 - U068145
			GF19C	U068550 - U170849
			ZF13C	U051335 - U170866
			ZF19C	U052090 - U170857
		2000	GF13C	U125596 - U125596
			GF19C	U126004 - U313355
			ZF13C	U124826 - U319644
			ZF19C	U127616 - U319641
		2001	ZF13C	U250332 - U413544
			ZF19C	U253475 - U413527
		2002	ZF13C	U382040 - U508298
			ZF19C	U411144 - U508297
		2003	ZF13C	U476697 - U556505
			ZF19C	U476695 - U556508

Model	WMI	Year	VIN Range	
			VDS	Range
Sienna	5TD	2004	ZA22C	S000020 - S221159
			ZA23C	S000038 - S221167
		2005	ZA22C	S153073 - S387524
			ZA23C	S152435 - S387528
		2006	ZA22C	S381751 - S587358
			ZA23C	S381759 - S587362

- 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. TOOLS & MATERIALS

- Standard hand tools
  - Torque wrench
  - Cable/Wire cutters
  - Hydraulic press
  - Brush – to apply Noxudol 300 (anti-corrosion compound)
  - **Noxudol 300** (1 Liter Liquid Bottle or 500ml Aerosol Spray Can) – order from <http://www.noxudolusa.com/> Either application type will accommodate approx. 200-400 vehicles.
  - Disk grinder
  - Wire brush
  - Tape
  - Safety glasses
- SST's** (will be provided to each dealer)
  - Crimp Die
  - Check Gauge

#### B. PARTS

- For 1998 - 2003 Sienna

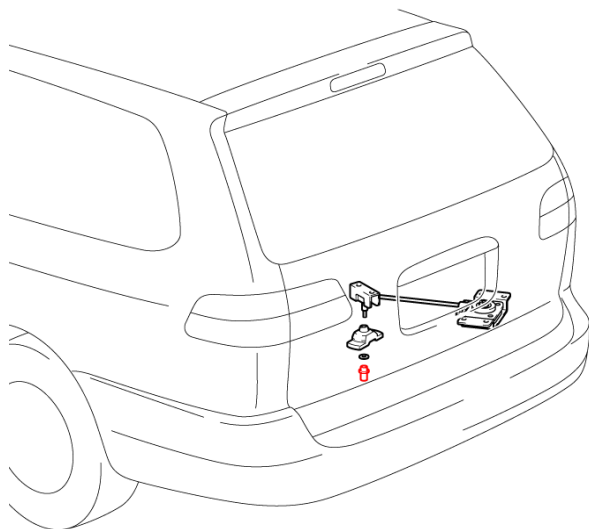
Part Number	Part Description	Quantity
04000-40108	Sienna Kit # 1 (Ferrule Kit)	1 (as required)
04000-40208	Sienna Kit # 2 (Lift Plate Kit)	1 (as required)

- For 2004 - 2006 Sienna

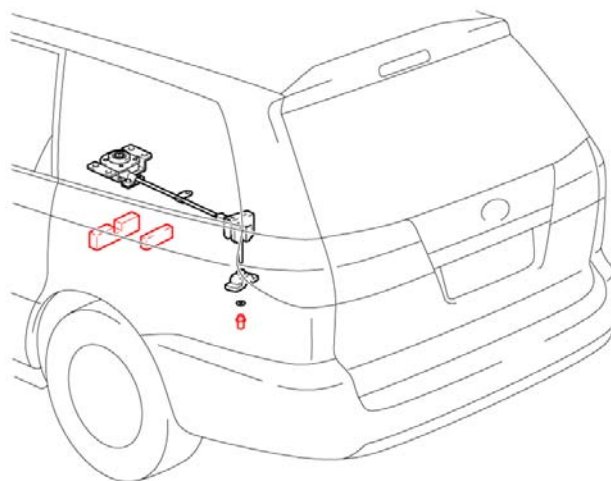
Part Number	Part Description	Quantity
04000-41145	Floor Seal Kit	1
04000-40108	Sienna Kit # 1 (Ferrule Kit)	1 (as required)
04000-40208	Sienna Kit # 2 (Lift Plate Kit)	1 (as required)

### IV. BACKGROUND

On certain 1998 through 2010 model year Sienna 2WD vehicles equipped with a spare tire, which are operated in cold climate areas with high road salt use; excessive corrosion may be exhibited on the end of the spare tire carrier cable. In the worst case, the spare tire stowed under the floor may become separated from the spare tire carrier.



**1998 – 2003 MY**  
**Carrier located between rear tires**



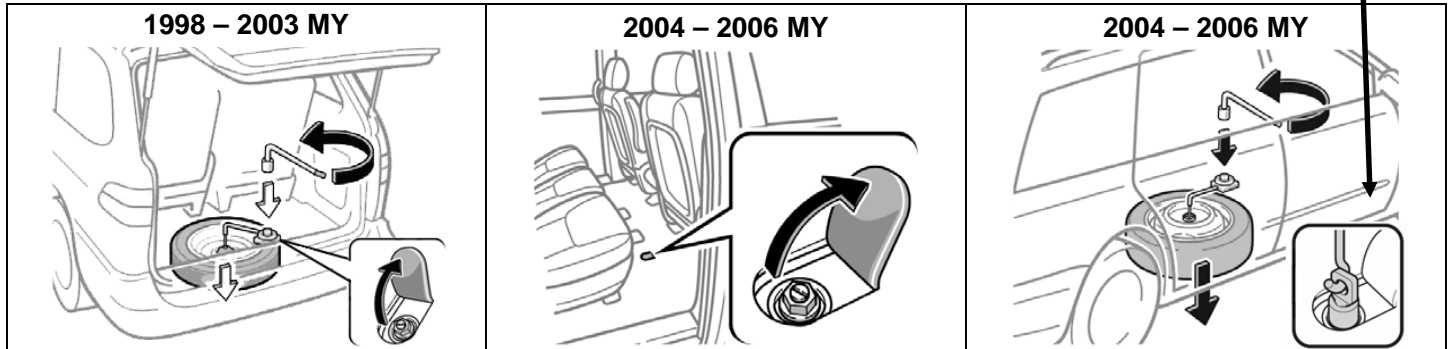
**2004 – 2010 MY**  
**Carrier located under the right side passenger sliding door**

## V. GENERAL WORK PROCEDURE

### A. LOWER AND REMOVE THE SPARE TIRE



- Do not use an impact wrench/power tool when lowering or raising the spare tire. This action may cause spare tire carrier damage by jamming the cable in the reel box.
- Take care not to damage the interior with the wrench when turning the clamp bolt.
- If the vehicle is equipped with the pentagonal type spare tire clamp bolt, loosen it using the adapter socket from the vehicle's tool kit.
- If the tire does not lower, turn the nut while having an assistant pull down on the spare tire.



### B. INSPECT THE SPARE TIRE CARRIER CABLE

1. Clean the Spare Tire Carrier Cable
2. Inspect the Spare Tire Carrier Cable Condition

#### Spare Tire Carrier Cable Inspection Criteria.

**Less than 8" of Rust\***  
(measured from the lift plate up)



**GO to pages 7-12**

- Cut and remove the rusted portion of the cable.
- Repair the cable using Sienna Kit #1 p/n 04000-40108 and a hydraulic press.
- Apply Noxudol twice to the cable to prevent corrosion.
- Install the floor seals: p/n 04000-41145 (2004-2006 only)

**No Rust**



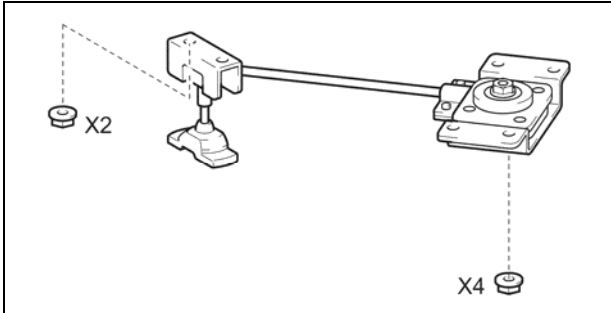
**Go to pages 13-14**

- Install the floor seals: p/n 04000-41145 (2004-2006 only)
- Apply Noxudol twice to the cable to prevent corrosion.

\*If more than 8" of rust is found on the cable or if it has a black resin cable, refer to the appendix – section D.

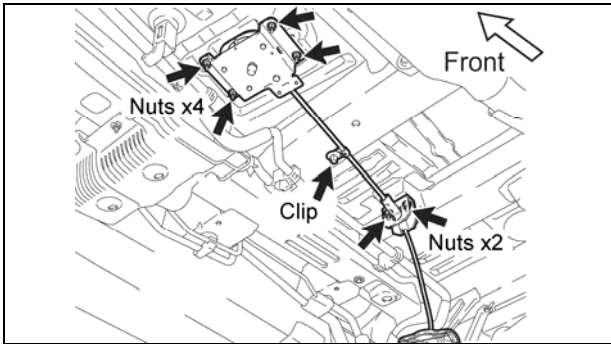
## VI. WORK PROCEDURE (CABLE CONDITIONS WITH LESS THAN 8" OF RUST)

### A. REMOVE SPARE TIRE CARRIER



#### 1. REMOVE THE SPARE TIRE CARRIER (1998-2003)

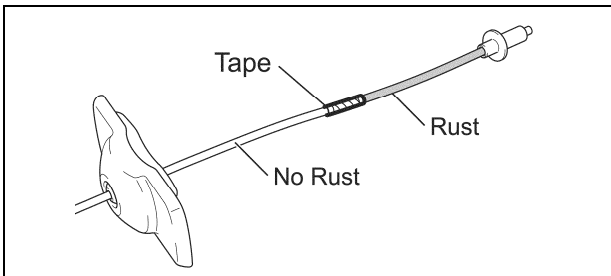
- Remove the 6 nuts and spare tire carrier.



#### 2. REMOVE THE SPARE TIRE CARRIER (2004-2006)

- Remove the clip, 6 nuts and spare tire carrier.

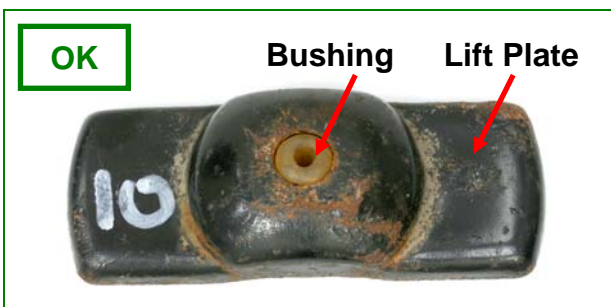
### B. REPAIR SPARE TIRE CARRIER CABLE



#### 1. CUT THE CABLE

- Wrap tape around the edge of the rusted cable section 2 to 3 times.
- Cut the cable at the taped section.
- Remove the tape from the cut section.

**NOTE:** The cut section of the cable will be sharp.



#### 2. INSPECT THE LIFT PLATE AND BUSHING

- Replace the bushing and lift plate if any of the following are true.
  - Severe rusting on the lift plate
  - Damage to the bushing
  - No paint on the lift plate

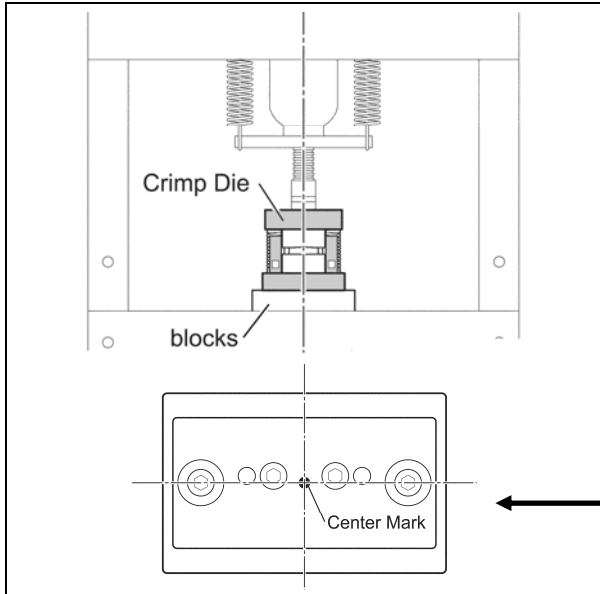
Lift Plate Kit p/n 04000-40208



Less than 8" of Rust



A hydraulic press must be used to crimp the ferrule. Any other tool will not exert enough pressure to properly secure the ferrule to the spare tire cable.



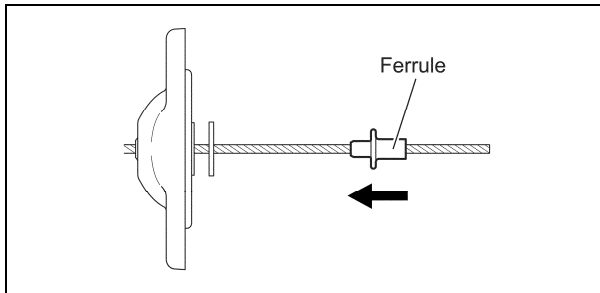
### 3. LEVEL AND CENTER THE HYDRAULIC PRESS AND DIE

- Confirm the hydraulic press and blocks are level. Level the press and blocks if necessary.
- Align the center mark on the crimp die to the center of the hydraulic press.

#### NOTES:

- The ferrule may fall off the cable due to improper crimping if the die is not centered on the press, and if the hydraulic press is not level.
- Always wear safety glasses when working with a press.

← Top view of the crimp die

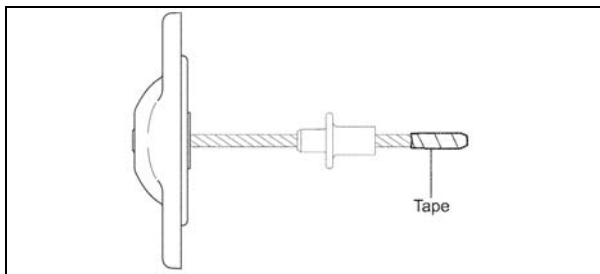


### 4. CRIMP THE FERRULE

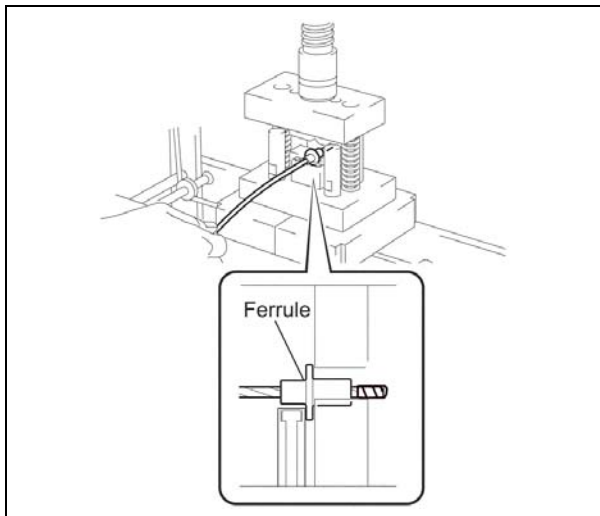
- Slide on the **NEW** washer.
- Slide on the **NEW** ferrule in the correct orientation. (small end towards the lift plate)

**NOTE: DO NOT install the ferrule backwards.**

**Ferrule Kit p/n 04000-40108**

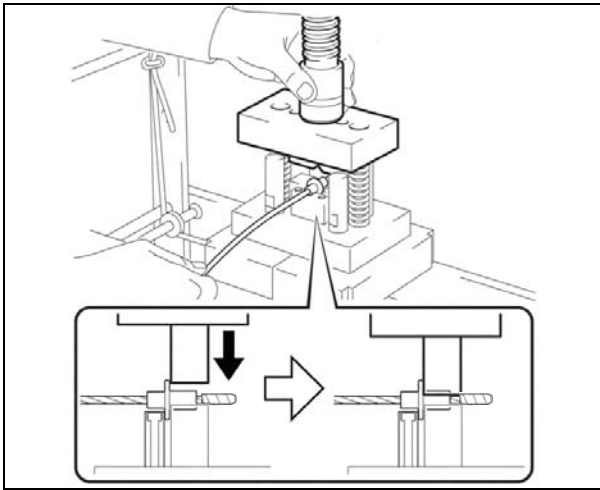


- Wrap tape around the cable end to prevent the ferrule from sliding off.

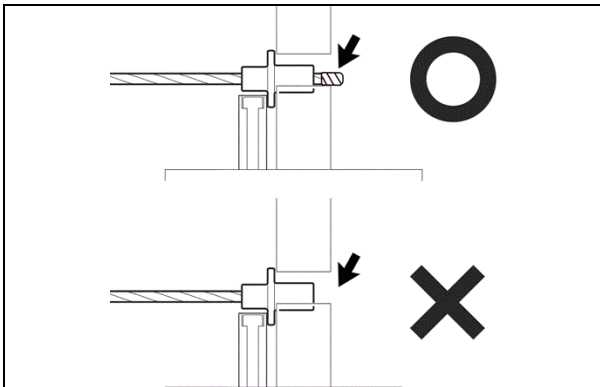


- Set the ferrule near the cable end on the crimp die.

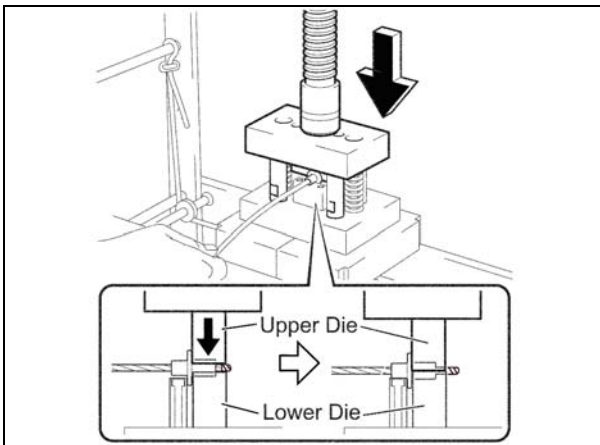
**Less than 8" of Rust**



- e) While holding the cable, carefully lower the hydraulic press until the crimp die contacts the top of the ferrule.



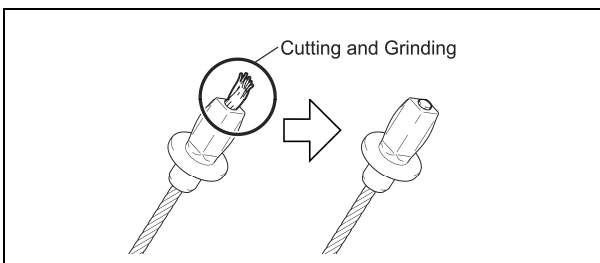
- f) Verify the cable has not receded.



- g) Hold the cable and crimp the ferrule.  
h) Monitor the pressure of the hydraulic press and crimp the ferrule just up to the point that the upper and lower sections of the die contact.

**NOTE: Release the hydraulic pressure and stop work immediately if the press nears 17 tons (15.4 metric tons, 150 KN) regardless of the ferrule condition.**

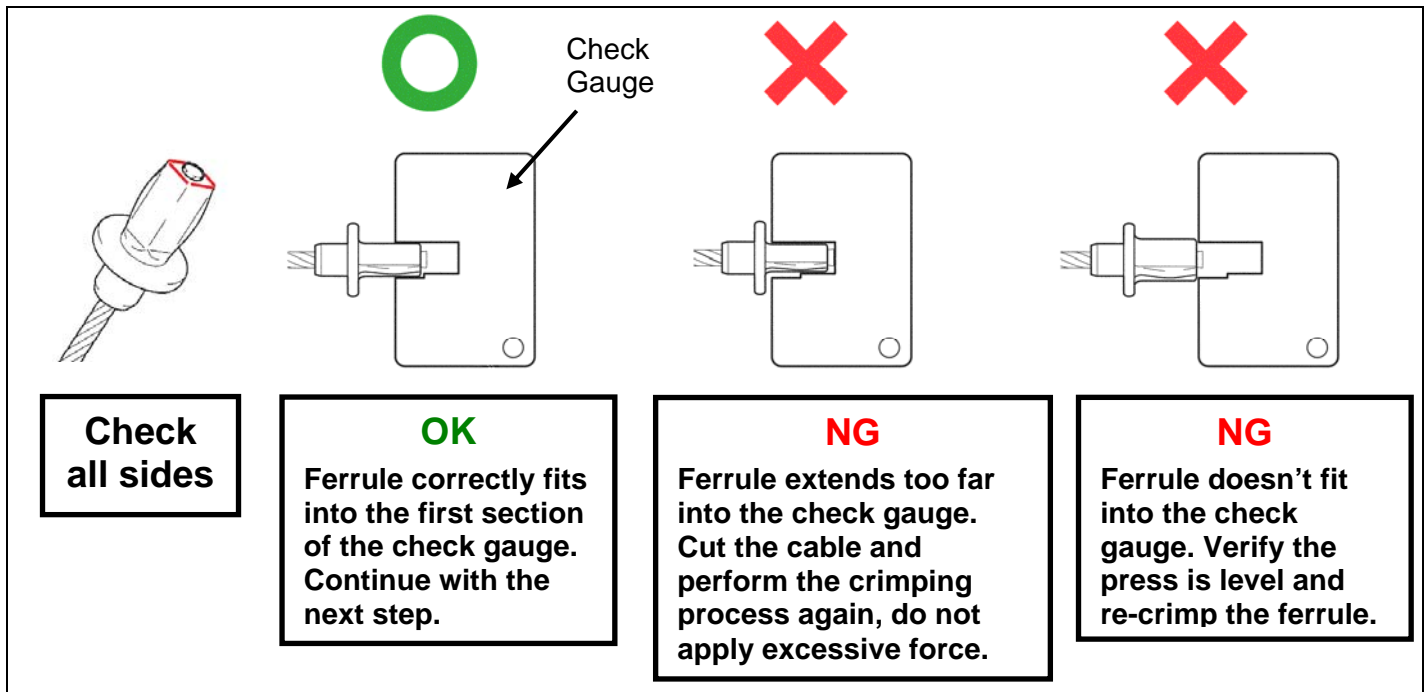
- i) Release the press and remove the cable.



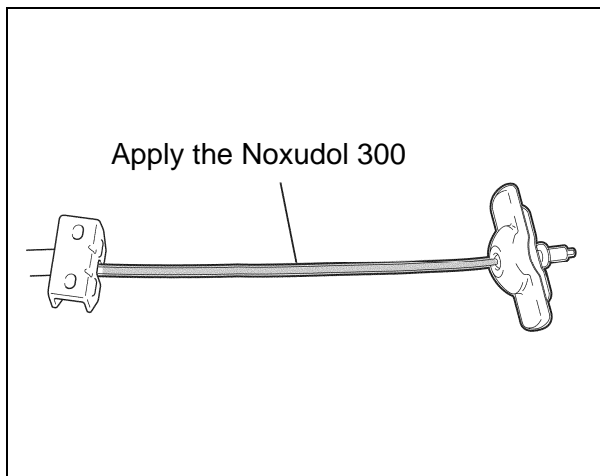
- j) With a disk grinder, remove the cable end protruding from the ferrule.

**NOTE:**  
**Do NOT damage the ferrule while grinding.**

- k) Use the check gauge to measure **all** sides of the pressed ferrule. Make sure the crimped ferrule only fits into the first section of the check gauge.



### C. APPLY NOXUDOL



#### 1. APPLY THE NOXUDOL 300 TO THE CABLE



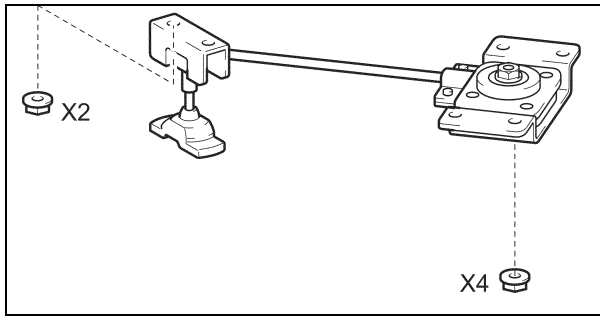
- Clean and degrease the first 12 inches of the cable.
- Apply liberal amounts of Noxudol 300 in either aerosol spray can or liquid (brushed-on) form to the clean 12 inch section of the cable, cover all sides of the cable.
- Apply liberal amounts of Noxudol 300 in either aerosol spray can or liquid (brushed-on) form to the ferrule.

**NOTE:** Take necessary measures to prevent overspray and/or drippage.

Less than 8" of Rust



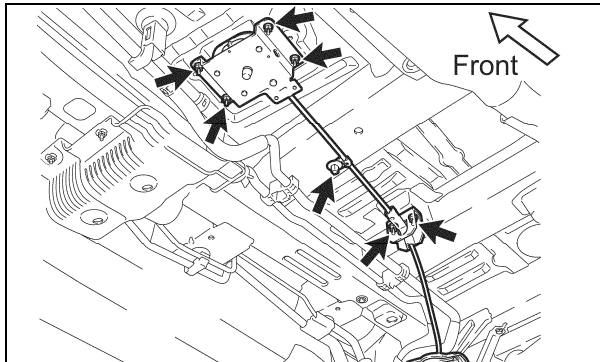
#### D. REINSTALL SPARE TIRE CARRIER



##### 1. REINSTALL THE SPARE TIRE CARRIER (1998-2003)

- a) Install the spare tire carrier with the 6 **NEW** nuts.

**Torque Specification:**  
5.4 N-m (55 kgf-cm, 48 in-lbf)

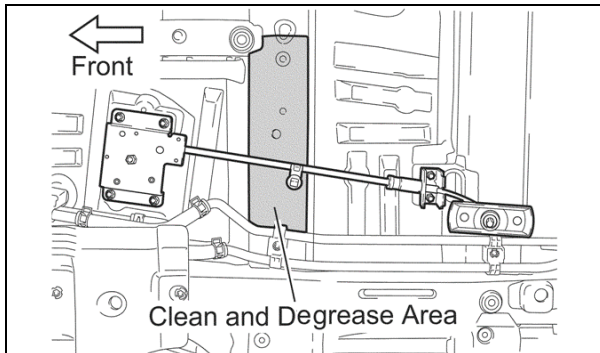


##### 2. REINSTALL THE SPARE TIRE CARRIER (2004-2006)

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

**Torque Specification:**  
5.4 N-m (55 kgf-cm, 48 in-lbf)

#### E. INSTALL FLOOR SEALS (Only for 2004 – 2006 MY)

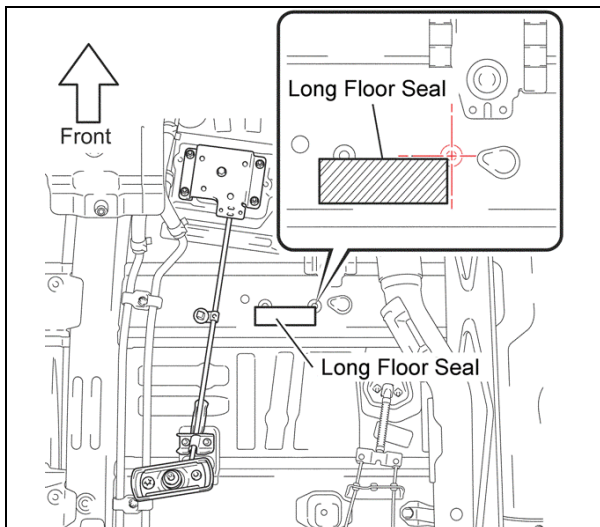


##### 1. INSTALL THE FLOOR SEAL

- a) Clean and degrease the area illustrated on the vehicle under-carriage.

**NOTE:** If rust is present, remove the rust with a wire brush before cleaning and degreasing.

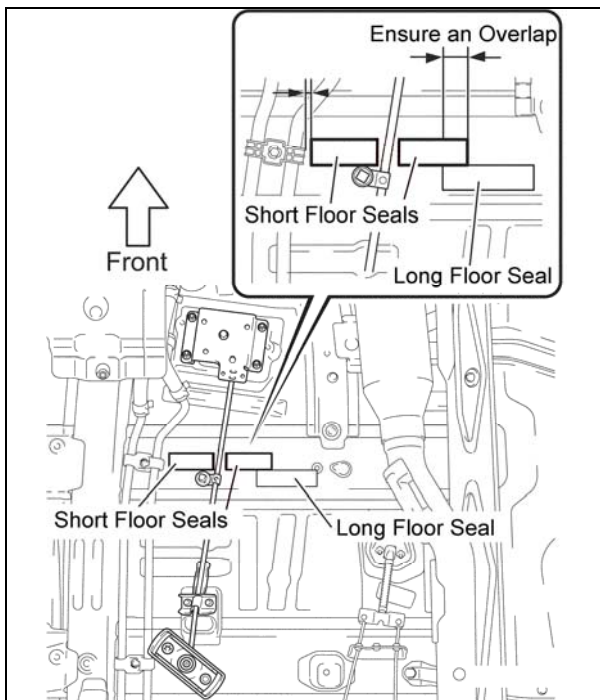
Floor Seal Kit p/n 04000-41145



- b) Attach the long floor seal to the area shown.  
c) Align the corner of the floor seal to the nub on the under-carriage (illustrated in red).

**NOTE:** When the floor seals are correctly installed, they prevent excessive splashed water from contacting the carrier cable.

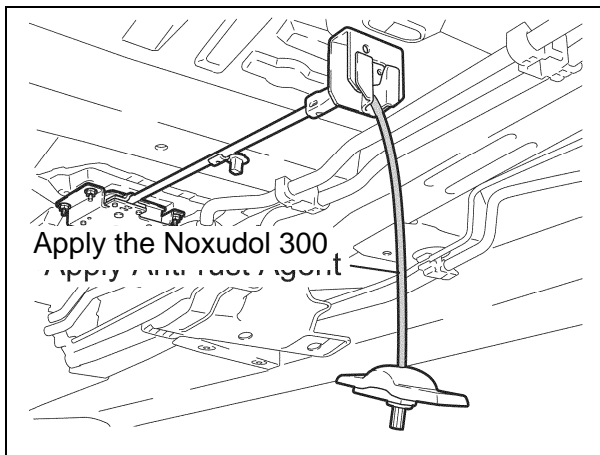
Less than 8" of Rust



- d) Attach two short floor seals to the areas shown.

**NOTE:** When the floor seals are correctly installed, they prevent excessive splashed water from contacting the carrier cable.

## F. REAPPLY THE NOXUDOL



### 1. REAPPLY THE NOXUDOL 300 TO THE CABLE



- Reapply liberal amounts of Noxudol 300 in either aerosol spray can or liquid (brushed-on) form to the clean 12 inch section of the cable, cover all sides of the cable.
- Reapply liberal amounts of Noxudol 300 in either aerosol spray can or liquid (brushed-on) form to the ferrule.

**NOTE:** Take necessary measures to prevent overspray and/or drippage.

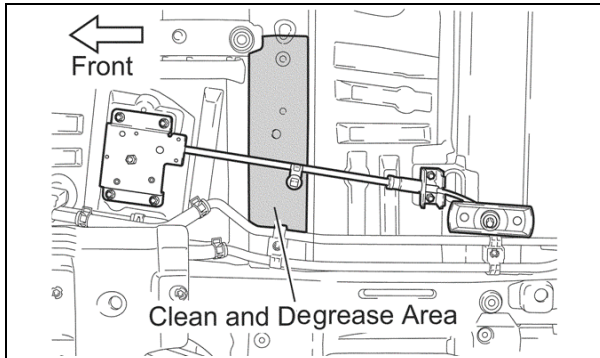
## G. CONFIRM THE CORRECT TIRE PRESSURE & REINSTALL THE SPARE TIRE

- Campaign Complete -  
- for cable conditions with less than 8" of rust -

Less than 8" of Rust

## VII. WORK PROCEDURE (CABLE CONDITIONS WITH NO RUST)

### A. INSTALL FLOOR SEALS (For 2004 – 2006 MY)

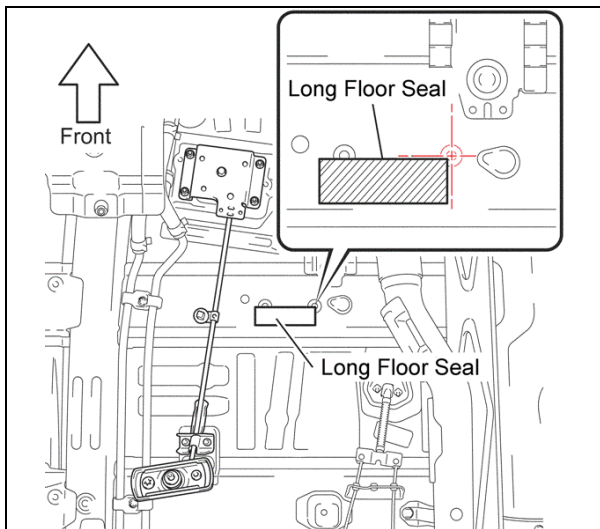


#### 2. INSTALL THE FLOOR SEAL

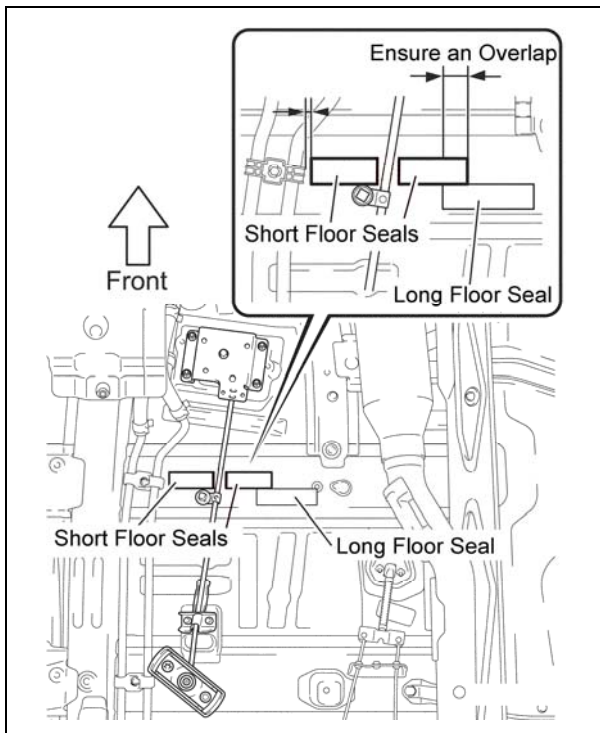
- a) Clean and degrease the area illustrated on the vehicle under-carriage.

**NOTE:** If rust is present on the undercarriage, remove the rust with a wire brush before cleaning and degreasing.

Floor Seal Kit p/n 04000-41145



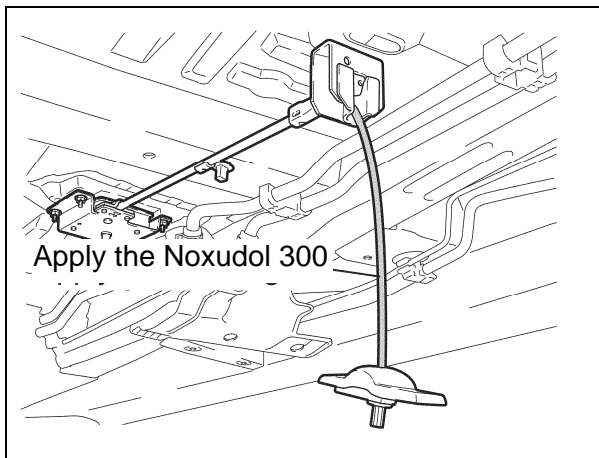
- b) Attach the long floor seal to the area shown.
- c) Align the corner of the floor seal to the nub on the under-carriage (illustrated in red).



- d) Attach two short floor seals to the areas shown.

**NOTE:** When the floor seals are correctly installed, they prevent excessive splashed water from contacting the carrier cable.

## B. APPLY NOXUDOL



## 2. APPLY THE NOXUDOL 300 TO THE CABLE



- Apply liberal amounts of Noxudol 300 in either aerosol spray can or liquid (brushed-on) form to the clean 12 inch section of the cable, cover all sides of the cable.
- Apply liberal amounts of Noxudol 300 in either aerosol spray can or liquid (brushed-on) form to the ferrule.
- Wait for 20 minutes and apply a second liberal coat of Noxudol 300.

**NOTE:** Take necessary measures to prevent overspray and/or drippage.

## C. CONFIRM THE CORRECT TIRE PRESSURE & REINSTALL THE SPARE TIRE

- Campaign Complete -  
- for No rust conditions -

No Rust

## VIII. APPENDIX

### A. RECALLED PARTS DISPOSAL

As required by Federal Regulations, please make sure all recalled parts (original parts) removed from the vehicle are disposed of in a manner in which they will not be reused.

### B. PARTS KIT CONTENTS

Part Number	Part Name	
04000-40108	Sienna Kit # 1 (Ferrule Kit)	
The kit listed above includes the following parts:		
Part Number	Part Name	Qty
51923-08010	Plate, Spare Wheel Carrier Hanger*	1
51946-08010	Bracket, Spare Wheel Carrier Stopper*	1
90080-17258	Nut, Flange	6
* These parts are <b>NOT</b> available as individual service parts.		

Part Number	Part Name	
04000-40208	Sienna Kit # 2 (Lift Plate Kit)	
The kit listed above includes the following parts:		
Part Number	Part Name	Qty
51938-08020	Bracket, Spare Wheel Carrier Mounting*	1
51945-08020	Bracket, Spare Wheel Carrier Cushion*	1
* These parts are <b>NOT</b> available as individual service parts.		

Part Number	Part Name	
04000-41145	Floor Seal Kit	
The kit listed above includes the following parts:		
Part Number	Part Name	Qty
57899-45020	Long Floor Seal (Seal, RR Floor)	1
58212-45011	Short Floor Seal (Seal, CTR Floor)	2

FOR ADDITIONAL PARTS and REPAIR INFORMATION – SEE NEXT PAGE

## C. ADDITIONAL PARTS INFORMATION

- For 1998 - 2003 Sienna

Part Number	Part Description	Quantity
51900-08010	Spare Tire Carrier Assembly	1 (as required)

- For 2004 - 2006 Sienna

Part Number	Part Description	Quantity
51900-08034	Spare Tire Carrier Assembly	1 (as required)

Certain 2<sup>nd</sup> generation Sienna's produced before mid-February 2008 may be equipped with a spare tire carrier assembly utilizing a hexagon (6-sided ☰) type spare tire clamp bolt. If carrier replacement is necessary, the new style carrier will be equipped with a pentagon (5-sided ☐) type clamp bolt.

**When installing a new spare tire carrier on these specific vehicles, you will need:**

**1. Pentagon Socket (51942-28010) and Bag (51939-45010)**

(Spare Wheel Carrier Bolt Socket Handle and Spare Wheel Carrier Lock Cover)

**2. Tire Carrier Notice Label (74544-08120)**

Please refer to T-SB-0381-08 for additional information.

**1. Pentagon Socket and Bag**



**2. Tire Carrier Notice Label**



51942-28010	Pentagon Socket	1 (as required)
51939-45010	Bag	1 (as required)
74544-08120	Tire Carrier Notice Label	1 (as required)

## D. RUSTED CABLE CONDITION WITH MORE THAN 8" OF RUST or a **BLACK RESIN CABLE**

**Greater than 8" of Rust Or Black Resin Cable**



1998-2003 MY
1. Install a <b>NEW</b> spare tire carrier (p/n 51900-08010).
2. Apply Noxudol <b>twice</b> to the new carrier.
3. Reinstall spare tire.

2004-2006 MY
1. Install a <b>NEW</b> spare tire carrier (p/n 51900-08034).
2. Install <b>NEW</b> floor seals.
3. Reinstall spare tire.