

Rear Suspension Toe Adjustment Out of Specification after SR CSJ

Service
Category Suspension

Section Rear Suspension

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2006 – 2011	RAV4	

Introduction

Safety Recall CSJ ("2006 – 2011 RAV4; Rear Lower Suspension Arm No. 1") involves inspection of the Rear Suspension Arm No. 1 for the presence of rust, replacement of the suspension arm if necessary, and application of an epoxy material to disable the adjustment function of the suspension arm. Therefore, any vehicle which has had Safety Recall CSJ completed will no longer have a rear wheel toe adjustment.

If a vehicle exhibits a steering wheel off-center condition or rear toe alignment out of specification after Safety Recall CSJ has been completed, follow the procedure outlined 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	PLANT	ENGINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
RAV4	Shokki	2AR-FE	2WD	JTMZF4DV#BD029470
			4WD	JTMDF4DV#BD039852
		2GR-FE	2WD	JTMYP4DV#BD004797
				JTMZK4DV#BD004782
	Tahara	2AR-FE	2WD	JTMKF4DV#B5032615
				JTMWF4DV#B5032622
				JTMXF4DV#B5032209
				JTMYF4DV#B5032596
			4WD	JTMBF4DV#B5037816
				JTMEF4DV#B5037474
				JTMJF4DV#B5037773
				JTMRF4DV#B5037813

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Production Change Information (Continued)

MODEL	PLANT	ENGINE	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
RAV4	Tahara	2GR-FE	2WD	JTMKK4DV#B5027382
				JTMWK4DV#B5027384
			4WD	JTMRK4DV#B5098978
	TMMC	2AR-FE	2WD	2T3KF4DV#BW052839
				2T3WF4DV#BW052858
				2T3YF4DV#BW052872
				2T3ZF4DV#BW052873
			4WD	2T3BF4DV#BW082793
				2T3DF4DV#BW082788
				2T3JF4DV#BW082756
				2T3RF4DV#BW082781
		2GR-FE	2WD	2T3WK4DV#BW008877
				2T3YK4DV#BW008880
				2T3ZK4DV#BW008870
				2T3BK4DV#BW037018
			4WD	2T3DK4DV#BW037033
				2T3JK4DV#BW037025
				2T3RK4DV#BW036988

NOTE

Follow step 1 of the Repair Procedure to confirm the applicability and completion status of Safety Recall CSJ.

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
SU1401	Thrust Line Alignment	0.7	48710-0R010 48710-42020	99	99
SU1402	Replace Suspension Arm and Apply Epoxy after SR CSJ (One Side)	2.5			
SU1403	Replace Suspension Arm and Apply Epoxy after SR CSJ (Both Sides)	2.7			

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.
- Op Code SU1401: This warranty is in effect for 12 months or 20,000 miles, whichever occurs first, from the vehicle's in-service date.
For New York: This warranty is in effect for 24 months or 18,000 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

NOTE

Refer to Repair Procedure BEFORE ordering any of the parts listed below. Only order as needed.

PART NUMBER	PART NAME	QTY
48710-0R010 48710-42020	Rear Suspension Arm No. 1	1
91672-L1265 90119-A0328	Bolt, Flange w/ Washer	1
90179-12027	Nut	1
00289-SW1KT-DS	Epoxy Kit*	1

* Epoxy Kit includes the following parts:

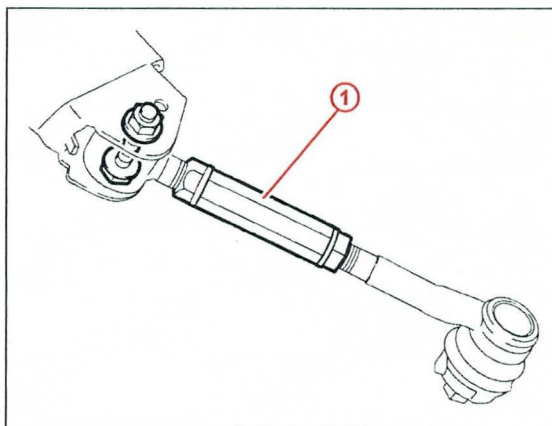
PART NAME	QTY
50 ml Epoxy Cartridge	1
Mixing Nozzle	1
Caution Labels	2

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Repair Procedure

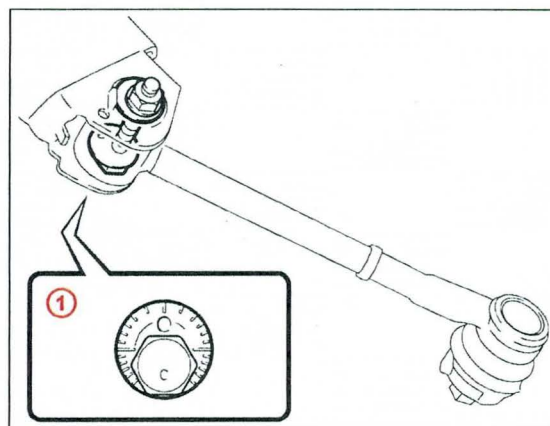
1. Check the suspension arm design.

Figure 1. Adjusting Tube Design



1 Adjusting Tube

Figure 2. Adjusting Cam Design



1 Adjusting Cam

- If the design is the Adjusting Tube style (Figure 1), proceed with this bulletin. Go to step 2.
- If the design is the Adjusting Cam style (Figure 2), this bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Check for completion of Safety Recall CSJ:
"2006 – 2011 RAV4; Rear Lower Suspension Arm No. 1."

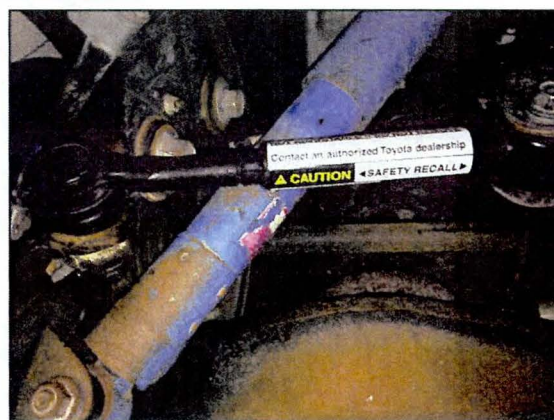
Have the epoxy and warning label been applied as shown in Figure 3?

- **YES** — Continue to step 3.
- **NO** — Complete campaign CSJ.

Refer to the Technical Information System (TIS), Service Campaigns tab:

"Safety Recall CSJ: 2006 – 2011 RAV4;
Rear Lower Suspension Arm No. 1
([Technical Instructions](#))"

Figure 3. Campaign CSJ Completed: Epoxy and Warning Label Applied



3. Drive the vehicle, check the handling condition, and verify any complaints of steering wheel off-center.

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Repair Procedure (Continued)

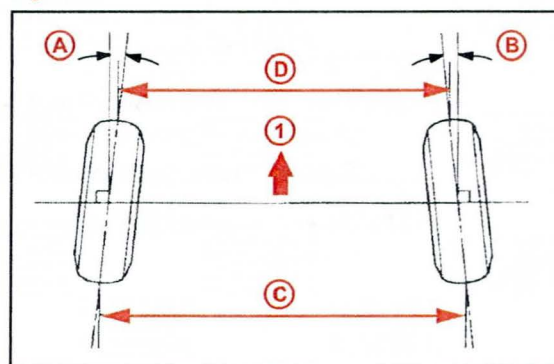
NOTICE

When making a sharp turn or turns onto an alignment rack, tension or torsion on the suspension bushings and other components may cause measured values to initially appear outside of specification. Before checking the alignment, make sure the pins have been pulled on the alignment rack rear slip plates and the suspension has been jounced several times to ensure the suspension is correctly settled before measuring alignment values.

4. Place the vehicle on an alignment rack and confirm the rear wheel alignment condition.

STANDARD TOE-IN (UNLOADED VEHICLE)	
TIRE SIZE	FRONT A + B REAR C - D
215/70R16 225/65R17 235/55R18	A + B: 0°10' +/- 0°05' (0.17° +/- 0.09°) C - D: 2.0 +/- 1.0 mm (0.08 +/- 0.04 in.)

Figure 4.



1 Front

5. If the rear toe alignment is out of specification on either side, inspect the rear suspension for damage or bent parts. Replace any damaged components. If steering wheel is off-center and rear toe is OK, go to step 7.
6. Loosen the nuts and bolts on the Rear Suspension Arm No. 1 on both sides and jounce the vehicle.
 - A. If the rear toe alignment is within specification, tighten the nuts and bolts on the Rear Suspension Arm No. 1.

Torque: Bolt: 90 N*m (918 kgf*cm, 66 ft*lbf)

Torque: Nut: 100 N*m (1,020 kgf*cm, 74 ft*lbf)

NOTICE

Turn the bolt to tighten the nut on the rear suspension member side. Do NOT turn the nut.

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Repair Procedure (Continued)

- B. If the rear toe alignment is still out of specification on either side, replace the Rear Suspension Arm No. 1 and complete campaign CSJ again for any replaced rear suspension arm.

NOTE

If the bolt on the rear suspension member side has excessive corrosion or was damaged during removal, replace the bolt.

Refer to TIS, Service Campaigns tab:

*"Safety Recall CSJ: 2006 – 2011 RAV4; Rear Lower Suspension Arm No. 1
(Technical Instructions)"*

7. If the rear wheel alignment is within specification but the steering wheel is off-center, perform a thrust line alignment.

Torque: Front Tie Rod Lock Nuts: 55.5 N*m (566 kgf*cm, 41 ft*lbf)

8. Drive the vehicle to verify steering wheel is centered and there is no abnormal pull, noise, or vibration.