

SRS MIL ON - Qi Charger Interference

Service Category Vehicle Interior
 Supplemental Restraint
Section Systems

Market USA and Mexico

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022	Tundra, Tundra HV	

Introduction

Some 2022 model year Tundra and Tundra Hybrid vehicles equipped with the wireless Qi cellphone charger may experience an SRS light ON with one or more of the following Diagnostic Trouble Codes (DTCs):

- B002011 – Left Side Airbag Deployment Control Circuit Short to Ground
- B002012 – Left Side Airbag Deployment Control Circuit Short to Battery
- B002811 – Right Side Airbag Deployment Control Circuit Short to Ground
- B002812 – Right Side Airbag Deployment Control Circuit Short to Battery
- B007011 – Driver Seat Belt Pretensioner “A” Deployment Control Circuit Short to Ground
- B007012 – Driver Seat Belt Pretensioner “A” Deployment Control Circuit Short to Battery
- B007212 – Passenger Seat Belt Pretensioner “A” Deployment Control Circuit Short to Battery
- B007311 – Second Row Left Seat Belt Pretensioner Deployment Control Circuit Short to Ground
- B007312 – Second Row Left Seat Belt Pretensioner Deployment Control Circuit Short to Battery
- B007512 – Second Row Right Seat Belt Pretensioner Deployment Control Circuit Short to Battery

While the wireless Qi cellphone charger may create an SRS light ON and may generate DTCs, the DTCs will not affect the airbag and pretensioner performance. A software update for the SRS ECU is now available to update the software. Follow the Repair Procedure in this bulletin to address this condition.

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
EL9070	SRS ECU Reprogramming	0.7	89170-#####*	8B	74

*Warranty claim MUST be submitted with the correct 10-digit OFFP. Choose the correct OFFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY (USA)

- This repair is covered under the Toyota Powertrain and Restraint Systems Warranty. This warranty is in effect for 60 months or 60,000 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.

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
EL9070	SRS ECU Reprogramming	0.7	89170-#####*	8B	74

*Warranty claim MUST be submitted with the correct 10-digit OFFP. Choose the correct OFFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY (MEXICO)

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 60,000 kilometers, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

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Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool*	DCA-8000P T	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335 (USA) or 01-800-504-5330 (Mexico).

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*	ADE	TSADVUNIT	1
Techstream 2.0		TS2UNIT	
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 17.10.012 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 (USA) or 01-55-50103041 (Mexico).

Calibration Information

MODEL	ENGINE	CAB CONFIGURATION	CALIBRATION ID	
			PREVIOUS	NEW
Tundra	V35AFTS	D-Cab	8917F0C14100/ 8917H0C01100	8917F0C14200/ 8917H0C01200
		C-Max	8917F0C15100/ 8917H0C02100	8917F0C15200/ 8917H0C02200
Tundra HV		C-Max/D-Cab	8917F0C17100/ 8917H0C03100	8917F0C17200/ 8917H0C03200

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Repair Procedure

1. Confirm the condition exists.
 - A. Using Techstream, check for the following stored DTCs:
 - B002011 – Left Side Airbag Deployment Control Circuit Short to Ground
 - B002012 – Left Side Airbag Deployment Control Circuit Short to Battery
 - B002811 – Right Side Airbag Deployment Control Circuit Short to Ground
 - B002812 – Right Side Airbag Deployment Control Circuit Short to Battery
 - B007011 – Driver Seat Belt Pretensioner “A” Deployment Control Circuit Short to Ground
 - B007012 – Driver Seat Belt Pretensioner “A” Deployment Control Circuit Short to Battery
 - B007212 – Passenger Seat Belt Pretensioner “A” Deployment Control Circuit Short to Battery
 - B007311 – Second Row Left Seat Belt Pretensioner Deployment Control Circuit Short to Ground
 - B007312 – Second Row Left Seat Belt Pretensioner Deployment Control Circuit Short to Battery
 - B007512 – Second Row Right Seat Belt Pretensioner Deployment Control Circuit Short to Battery
 - B. Are ANY of the DTCs listed above present?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Is this vehicle equipped with a wireless Qi cellphone charger?
 - **YES** — Continue to step 3.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (continued)

3. Is the calibration ID of the SRS airbag ECU 8917F0C14100, 8917F0C15100, or 8917F0C17100?
 - **YES** — Continue to step 4.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

4. Follow the procedures outlined in [T-SB-0107-20](#), *ECU Flash Reprogramming With Security Signature*, and flash the SRS airbag ECU with the NEW calibration file update.

NOTE

- The battery diagnostic tool MUST be used in Power Supply Mode to maintain battery voltage at 13.5V while flash reprogramming the vehicle.
- For details on how to use the battery diagnostic tool, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

5. Using Techstream, perform a Health Check to confirm the NEW calibration updated successfully.

6. Clear DTCs and confirm the condition is no longer present.