

Inability to Clear DTCs from SRS/VSC ECU

Service
Category Brake

Section Brake System

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2020 - 2026	Supra	

Introduction

Some 2020 – 2026 model year Supra vehicles may exhibit OBD-related DTC codes that can't be cleared during emission testing (C0520 or C11B1 or C11B2). Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles with confirmed inability to clear DTC produced **BEFORE** the Production Change Effective Date shown below.

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE DATE
Supra	Graz	N/A	10/24/2025

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL2610	VSC ECU Reprograming	1.1	89170-WAA2#*	87	74
EL2611	Airbag ECU Replacement	1.4			

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

APPLICABLE WARRANTY

- This repair is covered under the Toyota Powertrain 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.

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Parts Information

PART NUMBER	PART NAME	QTY
89170-WAA25*	Computer Assy, Airbag	1
89170-WAA2#*		1

*ECU airbag replacement may not be necessary. The VSC ECU should NOT be replaced as part of the Repair Procedure. Follow repair procedure to determine.

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Supra Diagnostic Cable*	01018-00118	1
DCA-8000 Battery Diagnostic Tool*	DCA-8000P T	1
MSP-070 Power Supply / Charger	MTRMSP0702	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-368-6787 or by visiting *Home – Service Resources – Toyota Special Service Tools (SSTs)*.

REQUIRED TOOLS & MATERIAL	QTY
Protective Tape	1

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVi*	ADE	TSADVUNITECP	1

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version Toyota ISTA v4.58.42.32848 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.

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Repair Procedure

1. Confirm the latest version of ISTA is being used.

NOTICE

- It is **CRITICAL** to install the latest version of Toyota ISTA on the Techstream ADVi. Your current ISTA version may **NOT** be sufficient for this TSB.
- ISTA version required for this TSB is v4.58.42.32848 or **NEWER**.

2. Confirm the condition exists

Are the stored OBD-related DTC codes of C0520, C11B1, or C11B2 unable to be cleared using ISTA?

- **YES** — Continue to step 3.
- **NO** — This bulletin does **NOT** apply. Continue diagnosis using the applicable Repair Manual.

3. Flash reprogram the VSC ECU.

NOTE

- The DCA-8000 Battery Diagnostic Tool **MUST** be used in ECU Reflash Mode to maintain battery voltage at 13.5V while flash reprogramming the vehicle.
- The MSP-070 Power Supply / Charger can be used on either the 13.6V or 14.4V setting to maintain battery voltage while flash reprogramming the vehicle.
- For details on how to use the 12V battery power supply units, refer to the instruction manuals located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outline in [T-SB-0151-19](#), *Supra Reprogramming Guide*, and flash reprogram the VSC ECU.

4. Have the codes been successfully deleted?
- **YES** — The Repair Procedure is complete.
 - **NO** — Continue to step 5.

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Repair Procedure (continue)

5. If the vehicle is still exhibiting the condition after reprogramming, replace the airbag ECU.

A. Remove the airbag ECU.

Refer to TIS, applicable model and model year Repair Manual:

- [2020](#) Supra:
*Vehicle Interior – Supplemental Restraint Systems –
Center Airbag Sensor Assembly – Removal*
- [2021 – 2026 \(07-2020 – \)](#) Supra:
*Vehicle Interior – Supplemental Restraint Systems –
Center Airbag Sensor Assembly – Removal*

B. Install the airbag ECU.

Refer to TIS, applicable model and model year Repair Manual:

- [2020 \(03/2019 – 07/2020\)](#) Supra:
*Vehicle Interior – Supplemental Restraint Systems –
Center Airbag Sensor Assembly – Installation*
- [2021 – 2026 \(07-2020 – \)](#) Supra:
*Vehicle Interior – Supplemental Restraint Systems –
Center Airbag Sensor Assembly – Installation*

6. Perform vehicle test and clear codes if any exist.

7. Confirm that the DTC codes no longer appear.