

PCS and DRCC Permanent Disabling

Service Category Vehicle Interior

Section Pre-Collision Safety

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2020 - 2021	4Runner	
2018 - 2021	Sequoia, Tacoma, Tundra	

Introduction

All 2018 – 2021 model year Sequoia, Tacoma, and Tundra vehicles and All 2020 – 2021 model year 4Runner vehicles are equipped with Pre-collision System (PCS) and Dynamic Radar Cruise Control (DRCC) as part of the Toyota Safety Sense (TSS) package. The PCS and DRCC systems are designed to help mitigate a potential collision and maintain a pre-determined traveling distance.

It is recommended to disable the PCS and DRCC systems on vehicles that have been modified (ride height, oversized wheels/tires, brush bars, etc.) in a way that potentially disrupts the functionality of these systems. Vehicle owner's written consent is required before performing the calibration to permanently disable the PCS and DRCC systems. Follow the Repair Procedure in this bulletin to disable the PCS and DRCC systems.

WARNING

Once this calibration has been performed, the PCS and DRCC systems will be PERMANENTLY DISABLED. Replacing the millimeter wave radar is REQUIRED to reinitiate the PCS and DRCC systems.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

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Parts Information

PART NUMBER	PART NAME	QTY
214182323	Modified Vehicle Label	1

Required Tools & Equipment

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 14.30.022 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

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.

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Calibration Information

MODEL	CALIBRATION ID	
	PREVIOUS	NEW
Tundra	8821F0C01000	8821F0C08000
	8821F0C01100	
	8821F0C01200	
	8821F0C01300	
	8821F0C01400	
	8821F0C01500	
	8821F0C03000	
	8821F0C03100	
	8821F0C03200	
	8821F0C03300	
	8821F0C03400	
	8821F0C03500	
	8821F0C05000	
	8821F0C05100	
	8821F0C06000	
8821F0C06100		
Tacoma	8821F0401000	8821F0407000
	8821F0401100	
	8821F0401200	
	8821F0402000	
	8821F0402100	
	8821F0402200	
	8821F0403000	
	8821F0404000	
	8821F0405000	
	8821F0405100	
	8821F0405200	
	8821F0406000	
	8821F0406100	
	8821F0406200	

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Calibration Information (continued)

MODEL	CALIBRATION ID	
	PREVIOUS	NEW
Sequoia	8821F0C02000	8821F0C09000
	8821F0C02100	
	8821F0C02200	
	8821F0C02300	
	8821F0C02400	
	8821F0C02500	
	8821F0C04000	
	8821F0C04100	
4Runner	8821F3501000	8821F0W05000
	8821F0W02000	
	8821F0W04000	
	8821F0W04100	

Repair Procedure

- Does the vehicle have modifications that may potentially disrupt PCS and DRCC system functionality?
Examples of modifications include, but are not limited to, changes in ride height, oversized wheels/tires, and brush bars.
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply.

- Has the customer signed the [owner's manual insert](#) to disable the millimeter wave radar?
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply.

WARNING

Once this calibration has been performed, the PCS and DRCC systems will be **PERMANENTLY DISABLED**. Replacing the millimeter wave radar is **REQUIRED** to reinitiate the PCS and DRCC systems.

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Repair Procedure (continued)

- Flash reprogram the Radar ECU.

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*.

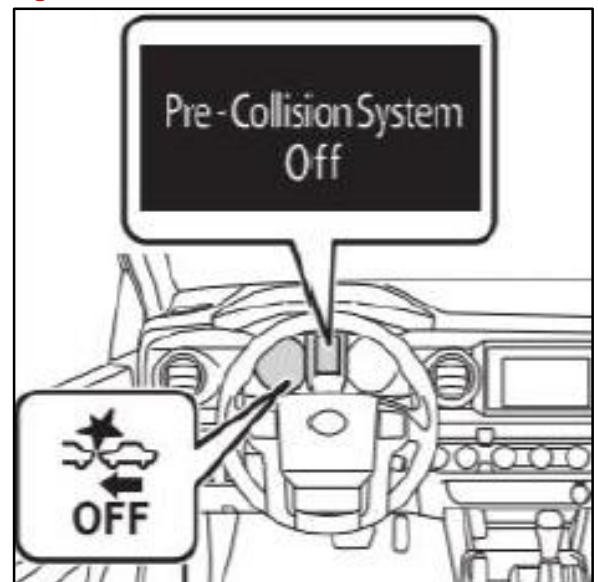
Follow the procedures outlined in Service Bulletin [T-SB-0134-16](#), *Techstream ECU Flash Reprogramming Procedure*, and flash the Radar ECU with the NEW calibration file update.

- Reset the EFI-ECU using the link to the reset tool found below:

- [Reset Tool](#)

- Confirm the PCS OFF light is illuminated.

Figure 1.



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Repair Procedure (continued)

6. Attach the modified vehicle label to the steering column.

Figure 2.



1	Apply the Modified Vehicle Label to the Steering Column
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7. Confirm the constant speed cruise control operation.
8. Insert the modified vehicles equipped with TSS owner's manual insert in the owner's manual.

NOTE
The owner's manual insert can be found on [page 7](#) of this bulletin.

9. The PCS and DRCC systems are now PERMANENTLY disabled.

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Owner's Manual Insert

****Owner's Manual Insert****

Model Applicability Tundra, Tacoma, Sequoia, 4Runner

Remove at this line and put insert in section 4-5 of the owner's manual.



Modified Vehicles equipped with TSS – Owner's Manual Insert

This vehicle was found to be equipped with non-Toyota-approved modifications noted below.

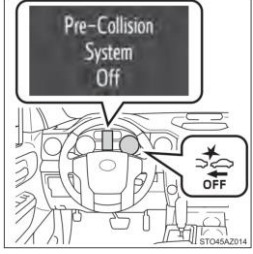
Because this vehicle had non-Toyota-approved modifications, Pre-Collision System (PCS) and Dynamic Radar Cruise Control (DRCC) **may not operate as designed**. For example:

- PCS may activate even if a collision is not likely.
- PCS may not recognize a vehicle or a pedestrian when a vehicle or pedestrian is ahead.

For more information on the effects of non-Toyota-approved modifications on PCS go to www.toyota.com/content/ebrochure/CFA_TSS_Precautions.pdf.

Toyota recommends the PCS and DRCC system NOT be used when non-Toyota-approved modifications are installed on the vehicle. Constant speed Cruise control is still available.

NOTE: While PCS is deactivated, the PCS warning light will be displayed in the instrument cluster and a message will be displayed on the multi information display. If this light and message are not present, then PCS has been re-activated.



For more information about the PCS system and how to use constant speed cruise control mode refer to section 4-5 of this owner's manual.

The non-Toyota-approved vehicle modification(s) present on the vehicle is(are):

- Lift kit changing ride height
- Oversized Wheels/Tires
- Grille from different model/trim package installed
- Other _____

Date: _____