

Electronic Power Steering (EPS) Light ON With DTC C05D604

Service Category Steering

Section Steering Gear/Linkage

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2019 - 2020	RAV4, RAV4 HV	WMI(s): 2T3, 4T3

Introduction

Some 2019 – 2020 model year RAV4 or RAV4 Hybrid vehicles may experience a red or yellow Electronic Power Steering (EPS) light ON condition with Diagnostic Trouble Code (DTC) C05D604 present when starting the vehicle or while driving. The EPS logic in the EPS gear assembly ECU has been modified to reduce the possibility of this condition. Follow the Repair Procedure in this bulletin to address this condition by installing a calibration software update.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL9059	Reprogram the EPS Gear Assembly	0.5	44250 - XXXXX	8C	99

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.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

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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 15.00.028 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.

Calibration Information

MODEL	ENGINE	CALIBRATION ID	
		PREVIOUS	NEW
RAV4	A25A-FKS	8965B0R01200	8965B0R01300/ 8965B0R02300
RAV4 HV	A25A-FXS	8965B0R02200	

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Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a red or yellow EPS light ON with DTC C05D604 present?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Using Techstream, perform a Health Check to confirm if the EPS ECU calibration is up-to-date.
Is the Calibration ID listed the latest EPS ECU calibration?

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

3. Flash reprogram the EPS 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 EPS ECU with the NEW calibration file update.

4. AFTER the flash reprogramming is complete, clear ANY DTCs that may be present.
5. Test-drive the vehicle to ensure the condition no longer exists.