

MIL ON With DTC(s) P1C5F19 and/or P1C5D19 Causing Over-current Condition

Service Category Vehicle Interior

Section Meter/Gauge/Display

Market USA

Toyota Supports ASE Certification

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2019 - 2020	ES300H, UX250H	

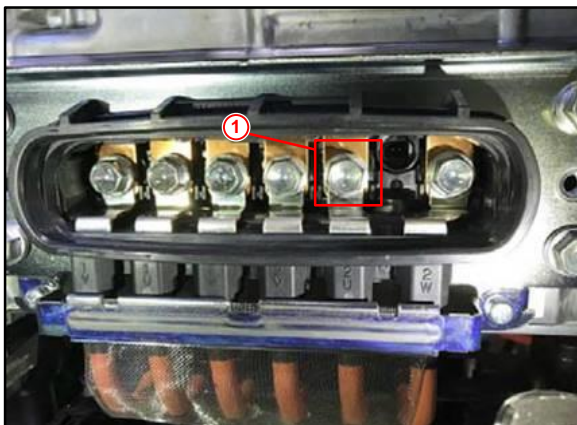
Introduction

Some 2019 – 2020 model year ES 300h UX 250h vehicles may exhibit a MIL ON condition with a “Hybrid System Malfunction” message displayed and one or more of the following DTC(s) that represent an over current between the MG1, MG2, and inverter/PCU:

- P1C5D19 – Drive Motor "A" Inverter Circuit Current Above Threshold
- P1C5F19 – Generator Inverter Circuit Current Above Threshold

These conditions typically occur on low vehicle mileage (less than 5,000). After an occurrence, the vehicle will be able to run normally with no drivability issues. Follow the Repair Procedure in this bulletin to address these conditions.

Figure 1. View of Terminals at the Inverter



1 Close-Up View of Terminal (See Figure 2)

Figure 2. Close-Up View of Terminal



1 Debris Created From Bolt Tightening

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Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
ES 300h	TMMK	58AE21B1#LU007834
		58AF21B1#LU007834
		58AD21B1#LU007834
UX 250h	TMK	JTHX9JBH#L2026066
		JTHL9JBH#L2026066
		JTHR9JBH#L2026066

Warranty Information

OP CODE	DESCRIPTION	TIME	OPF	T1	T2
EL1929	R & R Bolts for Motor Cable	2.0	91671-80612 90119-A0182	8A	73

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 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

MODEL	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
ES 300h	91671-80612	90119-06A57	Bolt, With Washer	8
	90119-A0182			
UX 250h	91671-80612			
All	82823-47040		Cap, Terminal	1

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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 14.30.022 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

Repair Procedure

1. Run a Health Check to confirm the condition exists.

Does the vehicle exhibit a MIL ON condition with a “Hybrid System Malfunction” message displayed and DTC(s) P1C5D19 and/or DTC P1C5F19 present?

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

NOTE

This condition is for DTC(s) P1C5D19 and P1C5F19. If other Hybrid DTC codes exist, this bulletin may NOT be applicable. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (continued)

2. Remove the MG cable.

NOTE

The bolts from the inverter may be reused.

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

- 2019 – 2020 ES 300h:
Drivetrain – Hybrid Transmission/Transaxle – “[P710 \(Hybrid Transmission / Transaxle\): Motor Cable: Removal](#)”
 - 2019 – 2020 UX 250h:
Drivetrain – Hybrid Transmission/Transaxle – “[P711 \(Hybrid Transmission / Transaxle\): Motor Cable: Removal](#)”
3. Using compressed air, blow out ALL potential debris on the terminals and connections area of the inverter and transaxle. Visually confirm there is no debris present on terminals and connections area.
 4. Reinstall the MG cable with NEW bolts into the transaxle assembly. Inverter bolts can be reused. Refer to TIS, applicable model and model year Repair Manual:
 - 2019 – 2020 ES 300h:
Drivetrain – Hybrid Transmission/Transaxle – “[P710 \(Hybrid Transmission / Transaxle\): Motor Cable: Installation](#)”
 - 2019 – 2020 UX 250h:
Drivetrain – Hybrid Transmission/Transaxle – “[P711 \(Hybrid Transmission / Transaxle\): Motor Cable: Installation](#)”

NOTE

Ensure correct fastening tools and torque are used when installing the MG cable. Over tightening can create additional debris.

5. Clear codes and test-drive the vehicle to ensure the conditions no longer exists.