

**TOYOTA**

CP-01015T-TME

Version 1

5 September 2023

Technical Service Bulletin

Subject:

Field fix for 4WD disengaging due to differential overheating - software update

Area of Application:

All Markets

Models – Model Codes:

GR Yaris - GXPA16 ;**Chassis - Powertrain**

Introduction

This Technical Service Bulletin is to inform you of the production change and repair method for the subject concern. Applicable to vehicles produced before the production change.

Description of the phenomenon

Some customers may experience and report concerns with 4WD suddenly disengaging to 2WD due to differential overheating, with a warning message on display. This can happen after frequent acceleration/braking on loose surface or with specific tires. System is automatically disengaging 4WD to 2WD in order prevent mechanical damage.

Purpose of this bulletin is to explain how to repair the vehicle (field fix).

Note: this repair method consists of software update of the 4WD differential ECU not needing any part replacement. In case of other problems with the ECU, refer to repair manual.

Production change

Coupling logic from 4WD differential ECU was modified by software update to improve the transmission and prevent overheating leading to error message and 4WD disengaging.

Production change information

Software update was introduced in mass production to prevent further concern for customer.

Model	Model code	Engine type	Plant	Production change effective VIN	Engine number	Implementation date
GR Yaris	GXPA16	-	Motomatchi	-	-	17/05/2021

Parts information

Plant	Previous part number	New part number	Part name	Quantity
Motomatchi	89630-52090-A	89630-52090-B	COMPUTER ASSY, TRACTION CONTROL	1

Repair Procedure - Reprogramming

Reprogram the “Computer, traction control” to the latest available calibration ID (minimum to the new CID as shown in below table) and apply a new ECU label sticker.

Model	Model Code	Previous part number	New Part number	Previous Calibration ID	Minimum Calibration ID
GR Yaris	GXPA16	89630-52090-A	89630-52090-B	F15365203100	F15365203200

Reprogram the ECU with the latest available software (Calibration ID).

Note
After reprogramming the ECU, a DTC might be set. If the DTC can not be erased by using GTS, disconnect the battery for 5 minutes.

Note
For detailed description of the reprogram procedure, please refer to Technical Service Bulletin: For Toyota: G-0002 - REPROGRAMMING METHOD OF ECU

Note
No need to replace any parts, the repair procedure consists only of a software update.