		GROUP	NUMBER
GENESIS		CAMPAIGN	24-01-030G
		DATE	MODEL(S)
Technical Service Bulletin		APRIL 2024	GV80 (JX1)
SUBJECT: ALL WHEEL DRIVE (AWD) ELECTRONIC CONTROL UNIT CHECK & REPLACEMENT (SERVICE CAMPAIGN T45)		ROL UNIT (ECU) AIGN T45G)	
Retailers mu guest and w	ORTANT Ist perform this service campaign on all affe henever an affected vehicle is in the shop fo	cted vehicles prior to re or any maintenance or i	etail delivery to a repair.

Access the "Vehicle Information" screen via WebDCS to identify open campaigns.

Description: Certain 2024MY GV80 (JX1) vehicles may have had the incorrect AWD ECU installed. These vehicles may have the following conditions:

- Minor shift tuning logic
- Auto 4WD is always active
- Activation light does not illuminate on when 4WD is activated

Follow the procedures listed below to inspect, and if necessary, replace the AWD ECU with the correct part.

Applicable Vehicles (Certain): 2024MY GV80 (JX1) produced from 11/06/2023 – 01/19/2024

Model	Part Name	Part Number	Figure	Remark
GV80 (JX1)	AWD ECU	95447-47100		Includes (2) O-ring gaskets

Parts Information:

Warranty Information:

Model	OP Code	Operation	OP Time	Causal Part	Nature Code	Cause Code
	40D042R0	AWD ECU PART NUMBER CHECK	ECU PART 0.3 ER CHECK M/H			
GV80 (JX1)	40D042R1	AWD ECU PART NUMBER CHECK AND REPLACEMENT	0.8 M/H	95447-47100	B1B	ZZ7

NOTE 1: Submit claim on Claim Entry Screen as "Campaign" type.

NOTE 2: If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

NOTE 3: This TSB includes Repair validation photos. Op times include VIN, Mileage, and Repair validation photos as outlined in the Digital Documentation Policy.

NOTE 4: The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. **Claim is subject to debit if the part is not returned.**

Service Procedure:



This TSB includes Repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

Refer to the flowchart below for overall procedure.



A. AWD ECU Part Number Check

- 1. Lift the vehicle.
- 2. Visually inspect the AWD ECU part label (B).
 - 1) If the part number is **95447-47100**, continue to Step 3 below.
 - 2) If the part number is **95447-47110**, proceed to Section B.



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4. The service procedure is now complete.



Po

VIN! 12345

B. AWD ECU Value Backup

1. Select **S/W** Management and **4WD Control** within GDS. Perform the "Adaptive Value BackUp & Input (ECU replacement)."



2. Select "OK."

	S/	W Management	
Syste	ms	Components	Unfold All
4WD Control			1
 System Identified 	cation		
Adaptive Value	BackUp & Inpu	ut (ECU replacement)	Ξ
T/C Clutch Cal	ibration		
Power Down C	alibration		
 HW Characteri 	stics		
 Variant coding 			
Motor Driven P	ower Steering(~P2)	
Motor Driven Pe	ower Steering(I	P2~)	
Electronic Cont	rol Suspension	1	

	S/W Management		
• ECU Data Back-up & \	• ECU Data Back-up & Writing		
Purpose	To back up the adaptive data stored in old ECU, and write the backed-up data into new ECU.		
Enable Condition	1. Engine Off 2. Ignition Switch On 3. Shift Lever P 4. Vehicle speed : 0		
Concerned Component	ECU		
Concerned DTC			
Fail Safe			
Etc	Procedure 1. Back Up(Back up data from the old ECU to the Diagnostic equipment) 2. Exchange the old ECU to the new ECU 3. Input(Input the backed up data to the new ECU using Diagnostic equipment)		
	ок		
Do not touch a	any system buttons while performing this function.		

3. Ensure the conditions are met and press "OK."

S/W N	lanagement
Adaptive Value BackUp & Input (ECU)	replacement)
• [ECU learned data back-up & Writ	ing(ECU exchange)]
This function is used to back up the write the backed-up data into 'New	e learned data stored in 'Old ECU' then FECU'.
•[Condition] 1. IG ON 2. Shift Lever : P 3. Vehicle Speed : 0 Km/h 4. Engine Stop	
ок	Cancel
Do not touch any system b	uttons while performing this function.
	anadement
Adaptive Value Backlin & Input (ECL	
Adaptive value backop & liput (ECC	replacementy

4. Select the "BackUp" button.

S/W Management
Adaptive Value BackUp & Input (ECU replacement)
• [ECU Learned Data Back-up & Writing(ECU exchange)]
If you want to back up the learned data from 'Old ECU'. Please click [back-up] button.
If you want to enter the 'backed-up' data to 'New ECU',
Please click [Write] button
1. Back-up(Old ECU -> Scan Tool) 2. Exchange ECU 3. Write(Scan Tool -> New ECU)
BackUp Write
Do not touch any system buttons while performing this function.

5. Select "OK."

S/W Management
■ Adaptive Value BackUp & Input (ECU replacement)
[ECU learned data back-up & Writing(ECU exchange)]
The displayed data below is the data backed-up from 'Old ECU'.
If you want to write this data into 'New ECU', please push [OK] button.
Data :
8D0701C300000010000002000001E0000003000000200000090000001
OK Cancel
Po not touch any system buttons while performing this function.
S/W Management
Adaptive Value BackUp & Input (ECU replacement)
 LECH learned data back-up 8. Writing(ECH exchange) 1
Data read from ECU is displayed
Do you want to back-up this data?(into Scan Tool)
Learned Value :
00000000000000000000000000000000000000
Information
Succeed to back up the studied value of the old ECU.
Click [OK] and replace the ECUs after IG Off.
OK
ОК
OK OK Cancel

6. Select "OK."

- 7. Select "OK."
- 8. Proceed to Section C.



C. AWD ECU Replacement

- 1. Disconnect the negative (-) battery terminal.
- 2. Disconnect the AWD ECU connector (A).



 Remove the 2 bolts securing the AWD ECU (B) and disengage from the Transfer Case assembly.

Tightening torque: 16.6 - 19.5 lb-ft (22.6 - 26.5 N.m, 2.3 - 2.7 kgf.m,)

4. Replace the AWD ECU with the correct part. (**PN 95447-47100**)



Using STUI, take a picture of the new AWD ECU next to the old AWD ECU. Include a piece of paper with the last six digits of the VIN and date of repair in the photo. Ensure the picture is in focus and the part labels are clearly visible. Upload the photo to STUI.

NOTICE

- Ensure all surfaces are free from any debris before installing the O-rings onto the new ECU.
- Ensure the internal surfaces of the transfer case assembly are free from any debris before installing the new ECU.



NOTICE

• When installing the AWD ECU, the motor shaft of the ECU (C) must be aligned with the indent within the transfer case assembly (D).



- 5. Install removed parts in reverse order of disassembly.
- 6. Reconnect the negative (-) battery terminal.
- 7. Proceed to Section D.

D. AWD ECU Values Write

 Select S/W Management and 4WD Control within GDS. Perform the "Adaptive value BackUp & Input (ECU replacement)."



	S/W Management	
Systems	Components	Unfold All
4WD Control		1
System Identification		
Adaptive Value BackUp	& Input (ECU replacement)	
T/C Clutch Calibration		
Power Down Calibration	n	
HW Characteristics		
 Variant coding 		
Motor Driven Power Ste	ering(~P2)	٩
Motor Driven Power Ste	ering(P2~)	٩
Electronic Control Susp	ension	•

2. Select "OK."

Purpose	To back up the adaptive data stored in old ECU, and write the backed-up data into new ECU.
Enable Condition	1. Engine Off 2. Ignition Switch On 3. Shift Lever P 4. Vehicle speed : 0
Concerned Component	ECU
Concerned DTC	
Fail Safe	
Etc	Procedure 1. Back Up(Back up data from the old ECU to the Diagnostic equipment) 2. Exchange the old ECU to the new ECU 3. Input(Input the backed up data to the new ECU using Diagnostic equipment)

3. Select the "Write" button.

S/W Management	
Adaptive Value BackUp & Input (ECU replacement)	
● [ECU Learned Data Back-up & Writing(ECU exchange)]	
If you want to back up the learned data from 'Old ECU'.	
Please click (back-up) button	
If you want to enter the 'backed-un' data to 'New ECLI'	
Please click (Write) hutton	
1. Back-up(Old ECU -> Scan Tool)	
2. Exchange ECU	
3. Write(Scan Tool -> New ECU)	
BackUp Write	
Do not touch any system buttons while performing this function.	
	_
S/W Management	
Adaptive Value BackUp & Input (ECU replacement)	
• [ECU learned data back-up & Writing(ECU exchange)]	
The displayed data below is the data backed-up from 'Old ECU'.	
If you want to write this data into 'New ECU', please push [OK] button.	
Data : 000000000000000000000000000000000000	FF
OK Cancel	
OK Cancel	

4. Select the "OK" button.

- 5. Select the "OK" button to write the backed-up values to the new ECU.
- 6. Check if any Diagnostic Trouble Codes (DTCs) were created during the ECU replacement, and clear all related DTCs.
- 7. Service procedure is now complete.

S/W Management
Adaptive Value BackUp & Input (ECU replacement)
- I FOU learned date back up 8 Weiking (2011
• [ECU learned data back-up & Writing(ECU exchange)]
Data has been written like the table below
Please check the value in the table
If you push [OK] button, writing process will be finished.
Data : 000000000000000000000000000000000000
ОК
Do not touch any system buttons while performing this function.