

<b>EXAMPLE 1</b> ECHNICAL Service Bulletin	GROUP	NUMBER
	AUTOMATIC TRANSMISSION	19-AT-007H
	DATE	MODEL(S)
Technical Service Bulletin	APRIL 2019	GENESIS SEDAN BH/DH) GENESIS COUPE (BK) EQUUS (VI)
		- DATA TRANSFER -

#### AUTOMATIC TRANSMISSION OIL PRESSURE DATA SUBJECT: GDS MOBILE (8-SPEED TRANSMISSION)

# **Description:**

This bulletin provides a procedure to transfer oil pressure data to the TCU using GDS Mobile. This procedure is necessary to reduce the TCU learning time and improve the shift quality.

- Before replacing an automatic transmission: Input the data into the TCU using the GDS.
- Before replacing a TCM: Back up the oil pressure data from the old TCU into the GDS and then transfer the data to the new TCU.

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Before installing a transmission, use the GDS to transfer the pressure characteristics to the TCU. If not, take a photo of the new tag or record all digits on the new tag. The barcode tag is difficult to read after installation.

The oil pressure characteristics barcode tag location is shown below.

WAJTG1808	386		2CJ0			
	7866	4666	6666	5667		
は突め	9765	4655	7766	4676		
200	8765	4765	7665	3655		
ш <i>ж</i> ис:	7654	4FFF		2D55	8-Speed	

## **Applicable Vehicles:**

2012~16	Genesis Sedan (BH/DH)
2013~16	Genesis Coupe (BK)
2012~16	Equus (VI)

Warranty Information: Normal warranty applies.

**NOTE:** Labor operation for automatic transmission or TCU replacement includes the time for data transfer.

#### I. OIL PRESSURE DATA INPUT – BEFORE REPLACING AUTOMATIC TRANSMISSION

Oil pressure data input procedure using GDS Mobile

1. From the GDS Mobile home screen, select **S/W Management**.

Select Automatic Transaxle.

Select Oil pressure characteristics input (A/T Replacement).

Select **OK** and follow the prompts.

Diagnosis No : B28A) KMTG34LE5KU013506	AGN70119022800 02/28/19 11:
HOME Online	vci 🏯   🔁   🗄
S/W Management	
Systems Components	Unfold All
Engine Control	Ð
System Identification	
Resetting Adaptive Values	Ξ
<ul> <li>Auto Detected Configuration Reset</li> </ul>	Ξ
Evap. Leakage Test	Ξ
Read VIN	۵
Write VIN	Ξ
ETC TEST(Option)	Ξ
Alternator TEST	•
Engine coolant filling mode	۲
ECU Mapping Verification	Ξ
Automatic Transaxle	Ð
System Identification	Ξ
Resetting Auto Trans Adaptive Values	۲
<ul> <li>Oil-pressure Characteristics Input (A/T Replacement)</li> </ul>	Ξ
Oil-pressure Characteristics BackUp & Input (TCU Replacement)	
AT Adaptation Mode	e
<ul> <li>Oil-pressure Characteristics Input (Solenoid Valve Replacement)</li> </ul>	8

2. Use the QR Reader to read the barcode tag on the transmission. Select **OK** and follow the prompts.

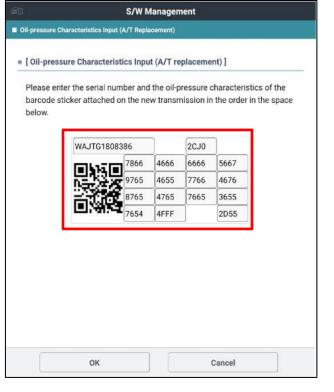
The GDS will transfer the data to the TCU.

**NOTE**: If the QR Reader did not successfully read the barcode, select **SERIAL INPUT**. Go to Step 3.

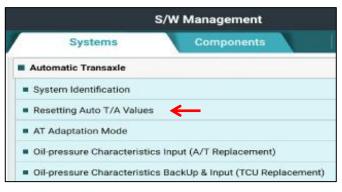
40 2	S/W Man	agement	
Oil-pressure Charact			
Campion OR code zone	[ Caution ] 1. The recognition may not 2. The recognition may not damaged.	on the transmission to the bright screen. be smooth if it is too dark or light is refle be smooth if the QR code is contaminated ossible, switch to manual mode.	cted. d or
SEI	RIAL INPUT	CANCEL	

 If the QR Reader did not successfully read the barcode, input the barcode data manually. Select OK.

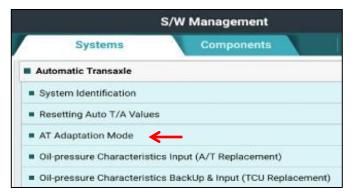
The GDS will confirm the oil pressure characteristics were input in the TCU. Select **OK**.



- 4. Check for DTC in the ESC menu and SCC menu (if equipped) and delete any DTC.
- 5. Clear any DTCs in the Blue Link system according to instructions in TSB 12-BE-005-2.
- Reset the automatic transmission adaptive values using GDS, S/W Management menu and Resetting Auto T/A Values. Follow the prompts on the GDS.



 Relearn the adaptive values using GDS, S/W Management menu and AT Adaptation Mode. Follow the prompts on the GDS.



### II OIL PRESSURE DATA INPUT - BEFORE REPLACING OR EXCHANGING A TCU

#### Oil pressure data Backup and Input procedure using GDS Mobile

# NOTICE

- Before replacing a TCU, use this procedure to back up the oil pressure characteristics.
- If the TCU has been replaced and the oil pressure data has not been input to the new TCU, the shift position indicator lamps on the instrument cluster or shift lever will blink with the ignition on and the engine off.
- 1. From the GDS Mobile home screen, select **S/W Management**.

Select Automatic Transaxle.

Select Oil Pressure Characteristics BackUp & Input (TCU Replacement).

Select **OK** and follow the prompts.

s	/W Management	
Systems	Components	Unfold All
Engine Control		( <b>*</b> )
System Identification		E
ECU Mapping Verification		Ξ
Resetting Adaptive Values		Ξ
Auto Detected Configuration	Reset	
Read VIN		•
Write VIN		Ξ
ETC TEST(Option)		8
Alternator TEST		8
Evap. Leakage Test		
Engine coolant filling mode		Ξ
Automatic Transaxle		
<ul> <li>System Identification</li> </ul>		E
Resetting Auto T/A Values		8
AT Adaptation Mode		e
Oil-pressure Characteristics	Input (A/T Replacement)	Ξ
Oil-pressure Characteristics	BackUp & Input (TCU Replacement)	
ABS/ESC		(#)
SCC/AEB		(#)

2. The GDS will prompt you to back up the pressure characteristics to the GDS. Select **Backup.** 

The GDS will confirm the oil pressure characteristics of the old TCU was backed up in the GDS. Select **OK**.

Turn the ignition off and install the new TCU.

If you want to back up d	805	12.0110.00
[Procedures]		
1. BACKUP (Back up dat	a from old TCU to Sc	an Tool)
2. Exchange old TCU wit	h new one	
3. INPUT (Input the back	ed up data to new T	CU with Scan Tool)

# NOTICE

If the GDS cannot communicate with the old TCM, install the new TCM and go to Step 2, Page 2 and input the oil pressure data using **SERIAL INPUT**.

3. From the GDS Mobile home screen, select **S/W** Management.

Select Automatic Transaxle.

Select Oil Pressure Characteristics Backup & Input (TCU Replacement). Select OK and follow the prompts.

Select Input.

		0.0000000		
lf you want	to back up data fro	om old TCU, pr	ess [BACKUP] butt	on.
Or if you wa	int to input them to	new TCU, pre	ss [INPUT] button.	ר
[Procedure:	5]			-
1. BACKUP	(Back up data fror	n old TCU to Se	can Tool)	
2. Exchange	e old TCU with new	one		
3. INPUT (Ir	nput the backed up	data to new T	CU with Scan Tool	1

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4. The GDS will prompt you to input the oil pressure characteristics to the new TCU.

Select OK.

The GDS will confirm the oil pressure characteristics were input to the new TCU.

≦® ■ Oil-p	S/W Management           Oil-pressure Characteristics BackUp & Input (TCU Replacement)							
_	Dil-pressure Characterist			`		_		
De	o you want to back up to S	Scan To	ol?					
	WAJTG18083	86		2CJ0				
		7866	4666	6666	5667			
		9765	4655	7766	4676			
		8765	4765	7665	3655			
	E1/48-4	7654	4FFF		2D55			
	ок				Cancel			

- 5. Check for DTC in the ESC menu and SCC menu (if equipped) and delete any DTC.
- 6. Clear any DTCs in the BlueLink system according to instructions in TSB 12-BE-005-2.
- 7. Confirm proper operation of the transmission.