



Technical Service Bulletin

GROUP	NUMBER
AUTOMATIC TRANSMISSION	21-AT-012G
DATE	MODEL(S)
JULY, 2021	G70 (IK), G80 (DH), G80 (RG3), GV70 (JK1), GV80 (JX1), G90 (HI)

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

This TSB supersedes TSB 19-AT-007G to add additional models.

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.

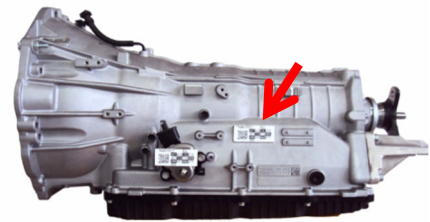
- **Before replacing an automatic transmission (Pages 2~3):** Input the data from the new transmission into the TCU using the GDS.
- **Before replacing a TCU (Pages 4~6):** Back up the oil pressure data from the old TCU into the GDS and then transfer the data to the new TCM.

NOTICE

Before installing a transmission, use the GDS to transfer the pressure characteristics from the new transmission to the TCU. If not possible, 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.

WAJTG1808386			2CJ0	
	7866	4666	6666	5667
	9765	4655	7766	4676
	8765	4765	7665	3655
	7654	4FFF		2D55



8-Speed

APPLICABLE VEHICLES:

2019~	G70 (IK)	2019~	G90 (HI)
2019~20	G80 (DH)	2021~	GV80 (JX1)
2021~	G80 (RG3)	2022~	GV70 (JK1)

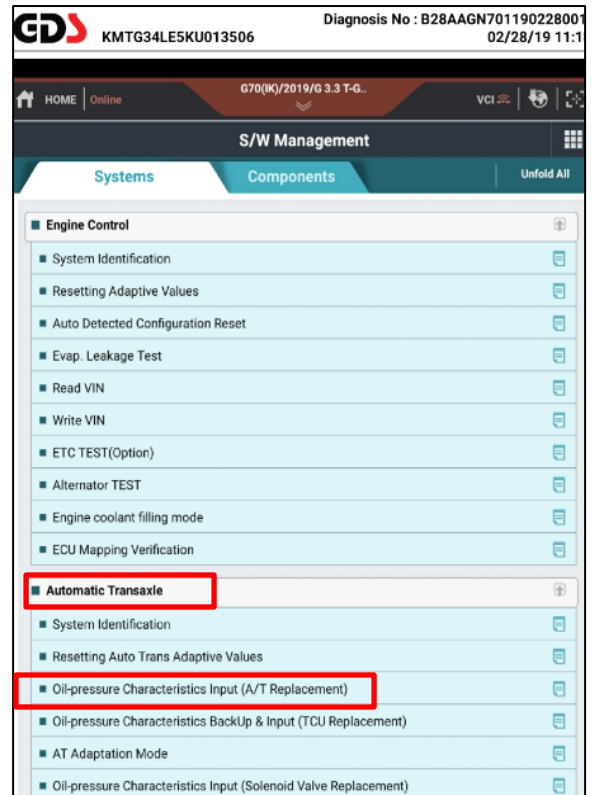
WARRANTY INFORMATION: Normal warranty applies.

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

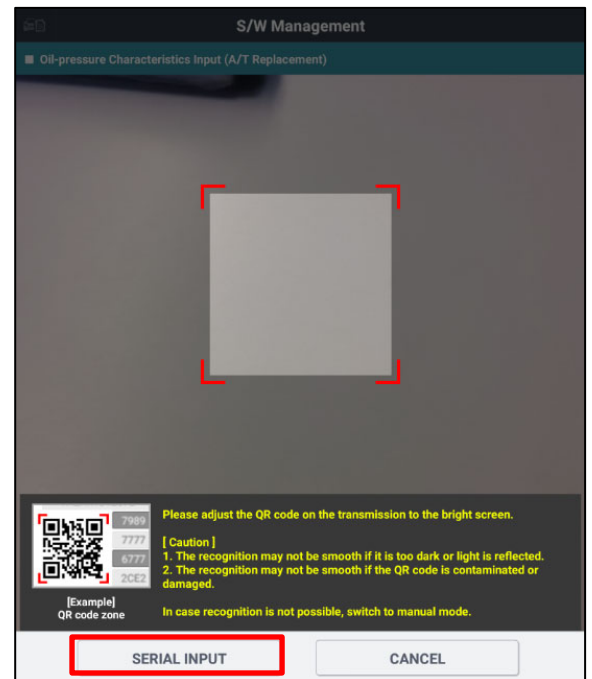
I. OIL PRESSURE DATA INPUT – BEFORE REPLACING AUTOMATIC TRANSMISSION

Oil pressure data input procedure using GDS Mobile

- Turn the ignition on and place the shift lever in P.
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.

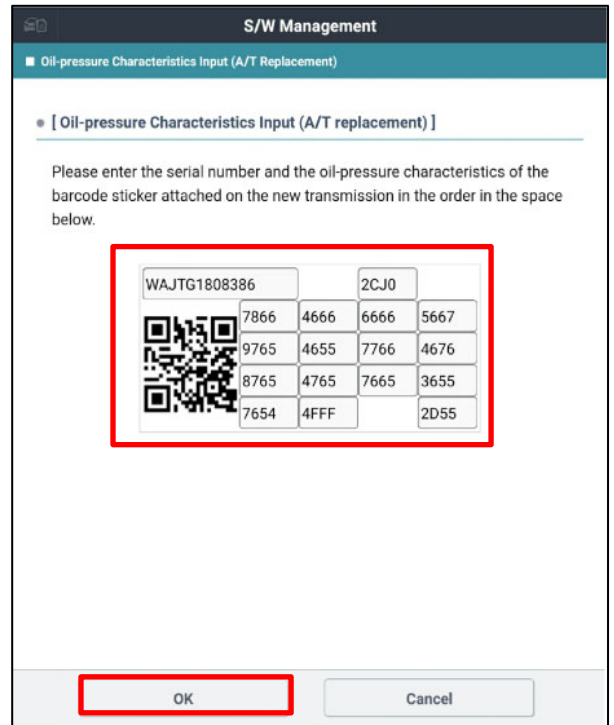


- Use the QR Reader to read the barcode tag on the transmission. Select **OK** and follow the prompts.
The GDS will transfer the data to the TCU.
NOTE: If the QR Reader did not successfully read the barcode, select **SERIAL INPUT**. Go to Step 3.

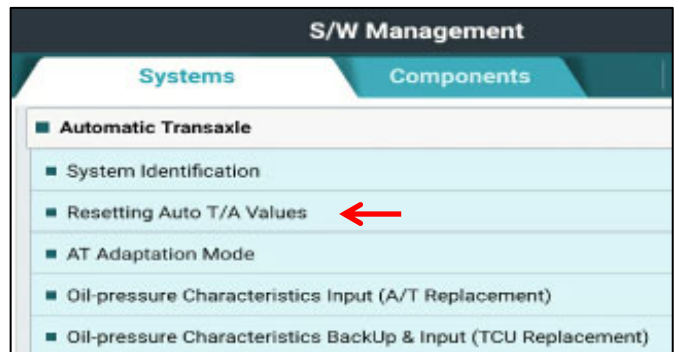


3. If the QR Reader did not successfully read the barcode, input the barcode data manually. Select **OK**.

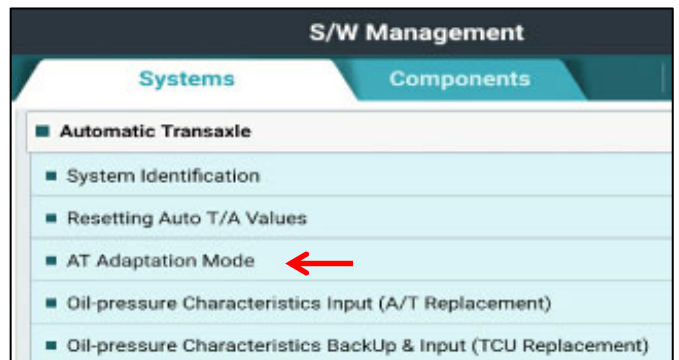
The GDS will confirm the oil pressure characteristics were input in the TCU. Select **OK**.



4. After repairs are complete, check for DTC and delete any DTC.
5. Reset the automatic transmission adaptive values using GDS, **S/W Management** menu and **Resetting Auto T/A Values**. Follow the prompts on the GDS.



6. 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.

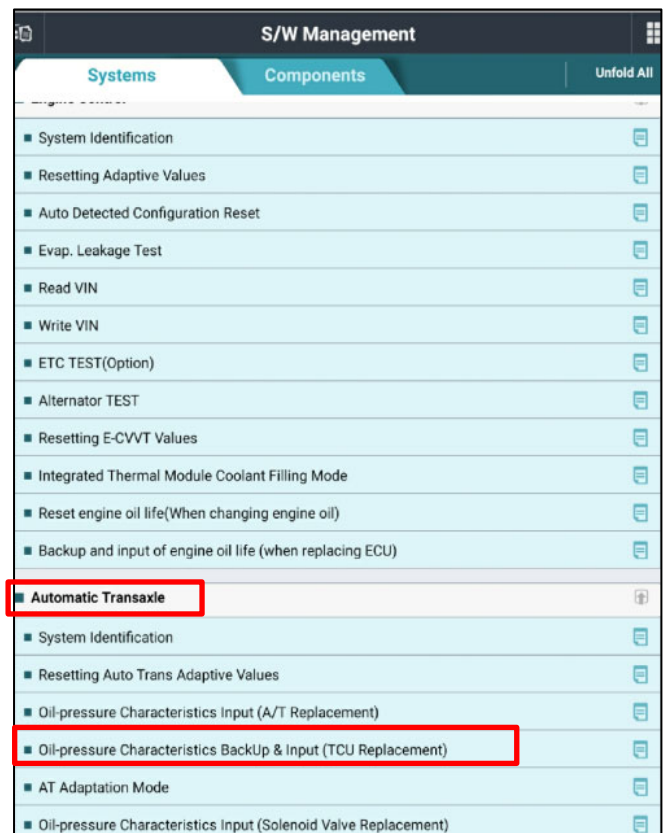
1. Turn the ignition on and place the shift lever in P.

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

Select **Automatic Transaxle**.

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

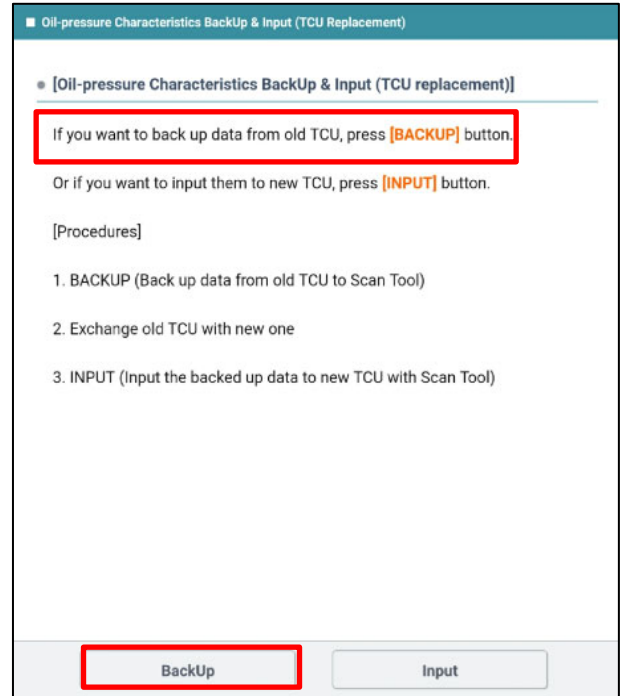
Select **OK** and follow the prompts.



- 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.



NOTICE

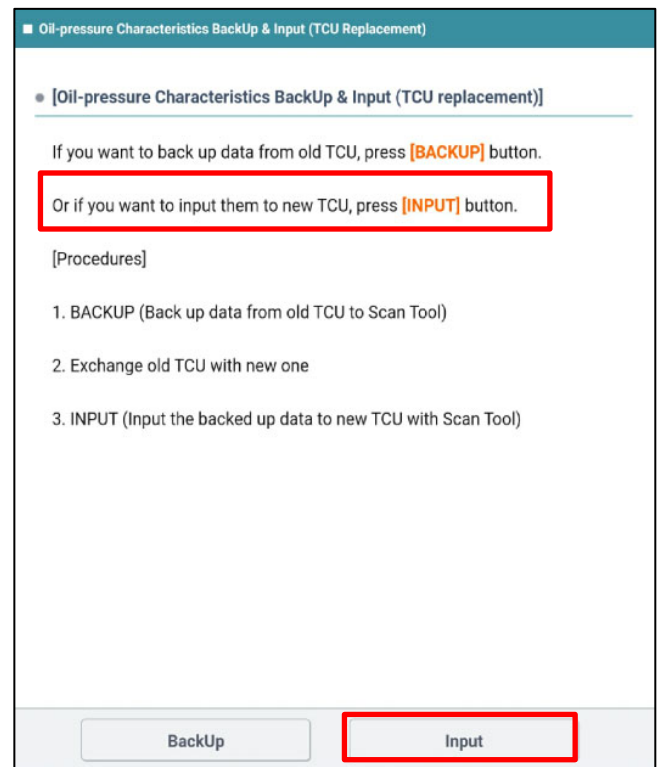
If the GDS cannot communicate with the old TCU, install the new TCU and go to Page 2, step 2 and input the oil pressure data using **SERIAL INPUT**.

- Turn the ignition on. From the GDS Mobile home screen, select **S/W Management**.

Select **Automatic Transaxle**.

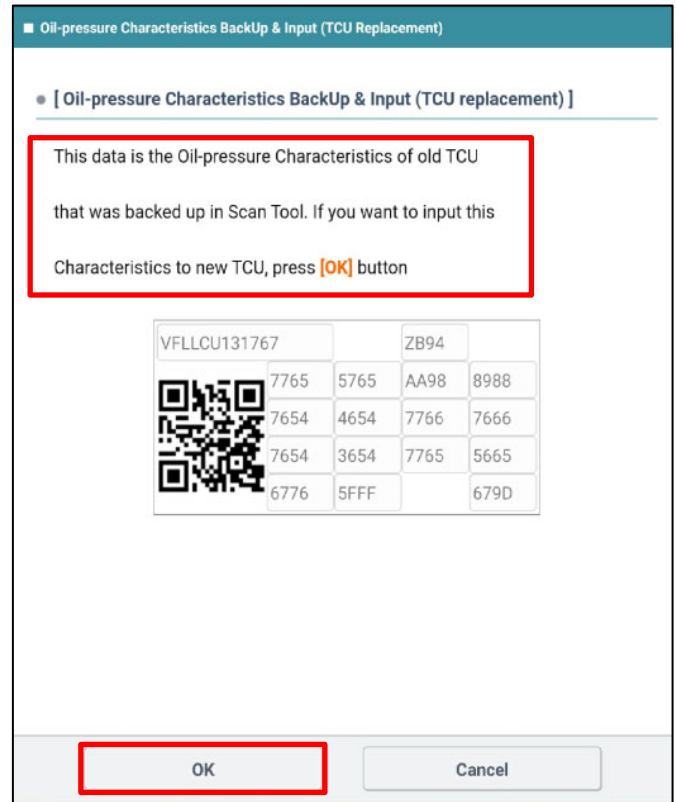
Select **Oil Pressure Characteristics Backup & Input (TCU Replacement)**. Select **OK** and follow the prompts.

Select **Input**.



- 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.



- Drive the vehicle and confirm proper operation of the transmission.