



Technical Service Bulletin

GROUP

**AUTOMATIC
TRANSMISSION**

NUMBER

19-AT-007HG

DATE

APRIL 2019

MODEL(S)

**GENESIS G80 (DH)
GENESIS G90 (HI)**

SUBJECT:

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

Description:

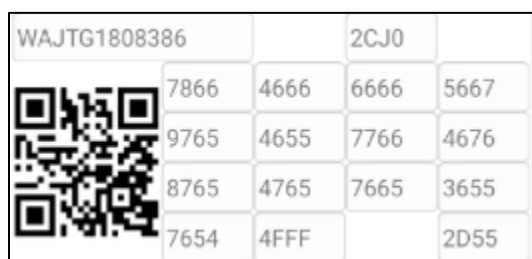
This bulletin provides a procedure to transfer oil pressure data to the TCU using GDS Mobile. This procedure is necessary to reduce the TCM learning time and improve the shift quality.

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

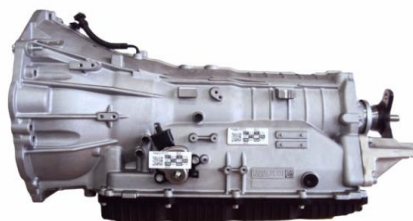
NOTICE

Before installing a transmission, use the GDS to transfer the pressure characteristics 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.



8-Speed

**Applicable Vehicles:**

2017~18 Genesis G80 (DH)
2017~18 Genesis G90 (HI)

Warranty Information: Normal warranty applies.

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

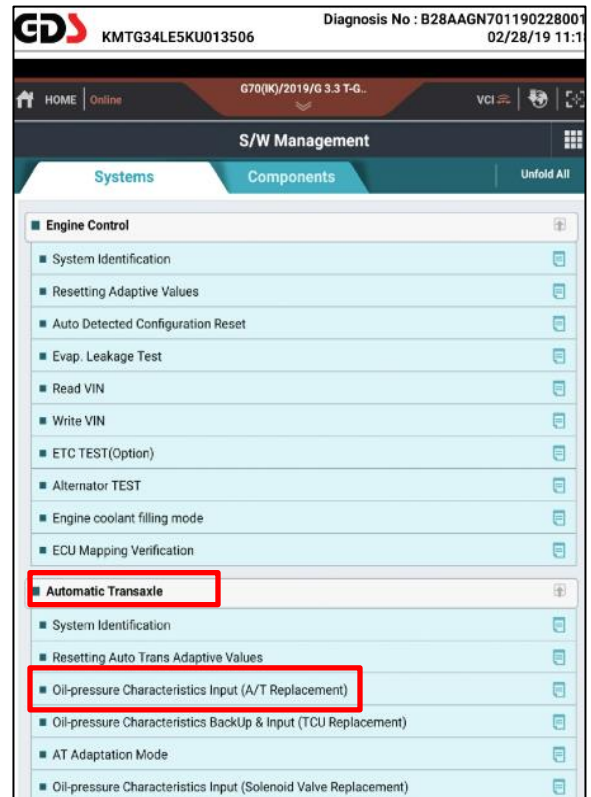
I. OIL PRESSURE DATA INPUT – BEFORE REPLACING AUTOMATIC TRANSMISSION**Oil pressure data input procedure using GDS Mobile**

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

Select **Automatic Transaxle**.

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

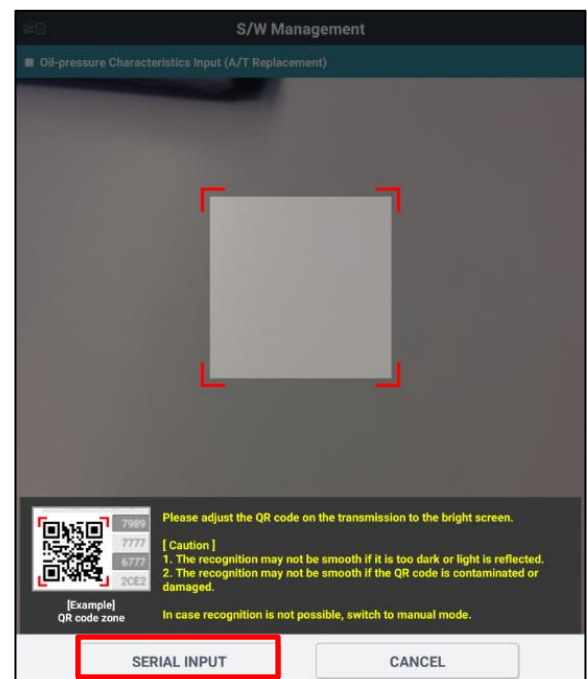
Select **OK** and follow the prompts.



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.



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**.

S/W Management

■ Oil-pressure Characteristics Input (A/T Replacement)

■ [Oil-pressure Characteristics Input (A/T replacement)]

Please enter the serial number and the oil-pressure characteristics of the barcode sticker attached on the new transmission in the order in the space below.

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

OK Cancel

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.
6. Reset the automatic transmission adaptive values using GDS, **S/W Management** menu and **Resetting Auto T/A Values**. Follow the prompts on the GDS.

S/W Management

Systems Components

■ Automatic Transaxle

- System Identification
- Resetting Auto T/A Values ←
- AT Adaptation Mode
- Oil-pressure Characteristics Input (A/T Replacement)
- Oil-pressure Characteristics BackUp & Input (TCU Replacement)

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

S/W Management

Systems Components

■ Automatic Transaxle

- System Identification
- Resetting Auto T/A Values
- AT Adaptation Mode ←
- Oil-pressure Characteristics Input (A/T Replacement)
- Oil-pressure Characteristics BackUp & Input (TCU Replacement)

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

Oil pressure data Backup and Input procedure using GDS Mobile

NOTICE

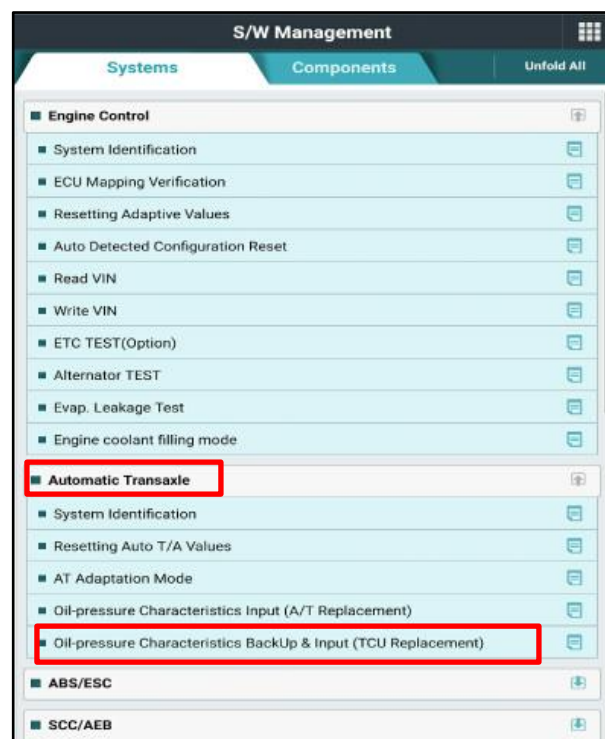
- Before replacing a TCU, use this procedure to back up the oil pressure characteristics.
- If the TCU has been replaced and the oil pressure data has not been input to the new TCU, the shift position indicator lamps on the instrument cluster or shift lever will blink with the ignition on and the engine 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.



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.

Oil-pressure Characteristics Backup & Input (TCU Replacement)

• [Oil-pressure Characteristics Backup & Input (TCU replacement)]

If you want to back up data from old TCU, press **[BACKUP]** button.

Or if you want to input them to new TCU, press **[INPUT]** button.

[Procedures]

1. BACKUP (Back up data from old TCU to Scan Tool)
2. Exchange old TCU with new one
3. INPUT (Input the backed up data to new TCU with Scan Tool)

BackUp Input

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**.

Oil-pressure Characteristics Backup & Input (TCU Replacement)

• [Oil-pressure Characteristics Backup & Input (TCU replacement)]

If you want to back up data from old TCU, press **[BACKUP]** button.

Or if you want to input them to new TCU, press **[INPUT]** button.

[Procedures]

1. BACKUP (Back up data from old TCU to Scan Tool)
2. Exchange old TCU with new one
3. INPUT (Input the backed up data to new TCU with Scan Tool)

BackUp Input

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.

S/W Management

■ Oil-pressure Characteristics BackUp & Input (TCU Replacement)

• [Oil-pressure Characteristics BackUp & Input (TCU replacement)]

This data is the Oil-pressure Characteristics of old TCU.
Do you want to back up to Scan Tool?

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

OK 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.