



GROUP	MODEL
TRA	2021MY~ K5 (DL3a) and Sorento (MQ4a) w/2.5L T-GDI WDCT
NUMBER	DATE
104	August 2022

TECHNICAL SERVICE BULLETIN

SUBJECT: 8-SPEED WDCT REPLACEMENT INSTRUCTIONS

This bulletin provides information to clear the line pressure information stored in the Transmission Control Module (TCM) prior to replacement of the reman transmission assembly on some 2021MY~ Sorento (MQ4a) and K5 (DL3a) vehicles, equipped with Theta III 2.5 T-GDI engine which may set transmission DTC(s) or have an external/internal leak condition or other concern. Follow the procedure outlined in this publication to remove the line pressure prior to replacing the dual clutch transmission assembly and determine whether TCM learning is required. The wet clutch assembly is included in the transmission assembly.

Model Year	Model	Production Date	Engine
2021MY~	Sorento (MQ4a)	11/26/2020 ~	2.5L T-GDI
	K5 (DL3a)	11/16/2020 ~	



8-Speed WDCT Assembly

DCT Replacement Instructions:

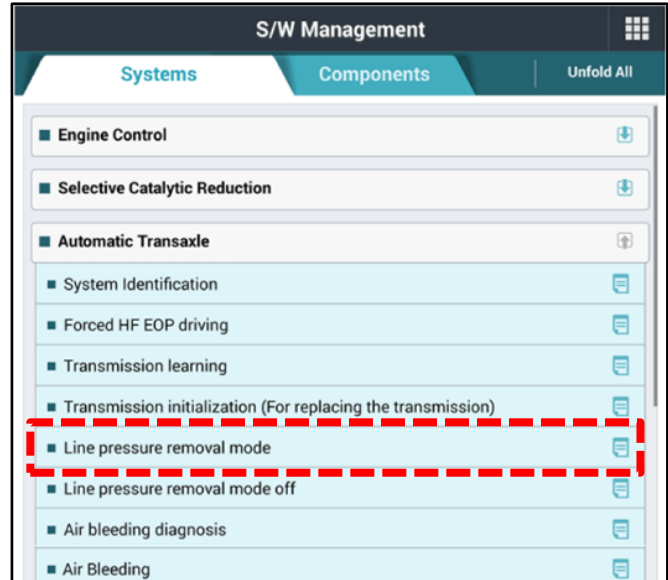
The following instructions outlined below must be followed when replacing a DCT on the subject model vehicles. When replacing a DCT, you may receive a new or remanufactured replacement assembly, which may or may not include a TCM attached. The information below is not provided in KGIS.

Before replacing the DCT:

Using KDS, select S/W Management → A/T → Systems → Double Clutch Transmission (or Automatic transmission) → Line Pressure Removal Mode.

Perform the 'Line pressure removal mode' in KDS to remove line pressure from the accumulator. Then follow the instructions provided on KGIS shop manual.

Note: Follow the instructions on page 4 to remove and re-install the TCM.



NOTICE

If 'Line pressure removal mode' is not performed, rattling/shift shock can occur with → Warning Light ON with DTC(s) P193B79, P086800, and unable to drive forward/backward.

After replacing the DCT:

Follow the DTC Learning requirement as described in the table below:

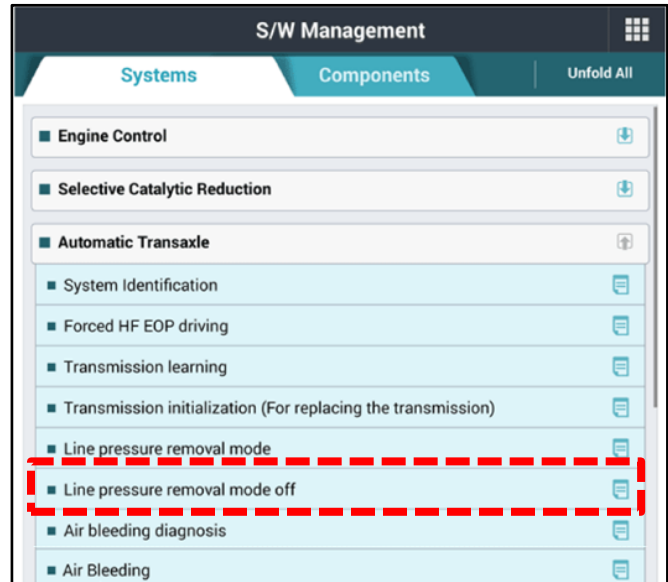
Replacement DCT Type	TCM Included?	DTC Learning Required?
DCT (Remanufactured)	No	Yes, required
	Yes	
DCT (New)	No	No, not required
	Yes	



8-SPEED WDCT REPLACEMENT INSTRUCTIONS

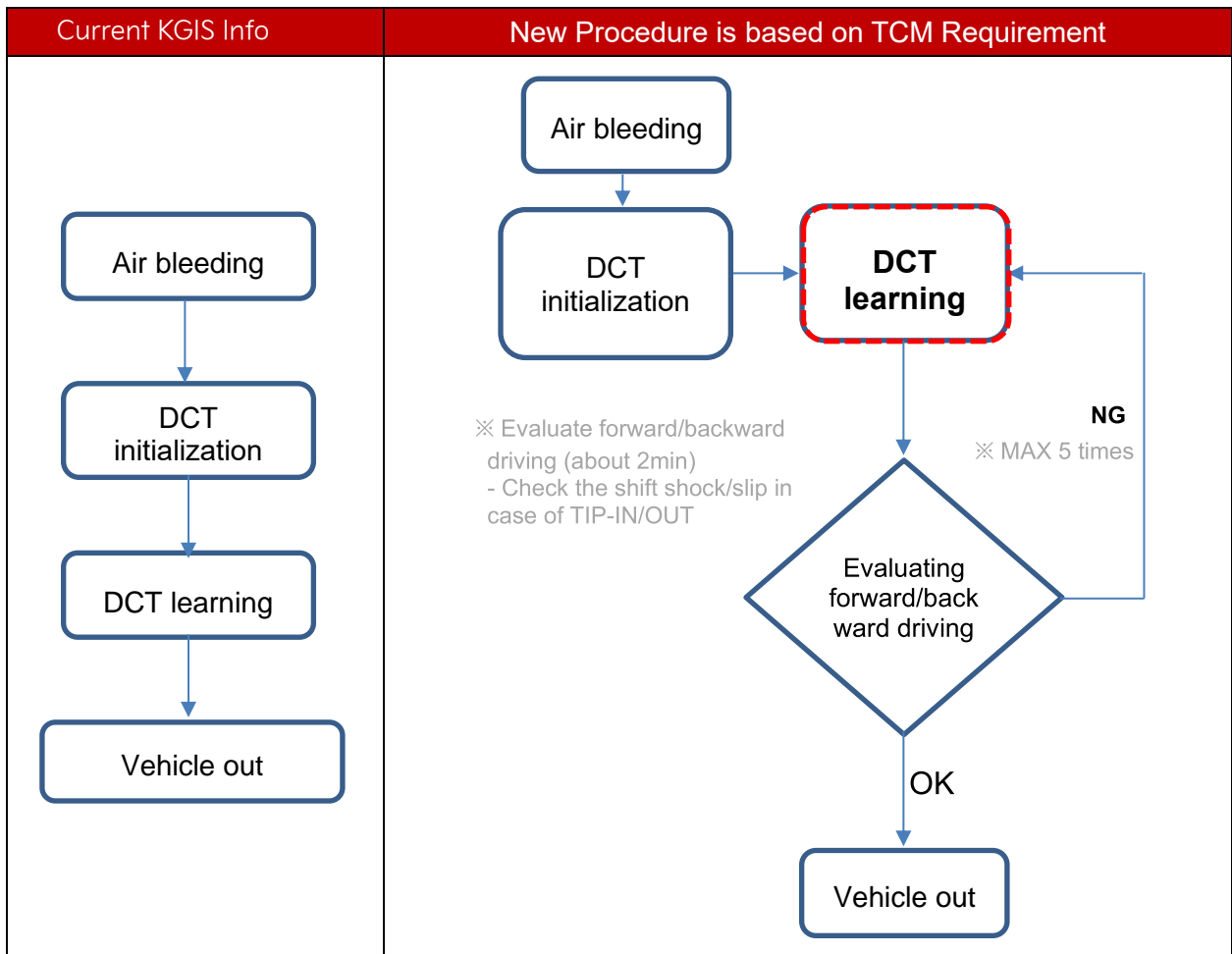
Note: If re-using a removed TCM, select the 'Line pressure removal mode off' to restore the accumulator line pressure.

- Perform the air bleeding
- DCT initialization
- DCT learning according to the table on page 2 or workshop manual



❗ IMPORTANT

If re-using a removed TCM, select the 'Line pressure removal mode off' to restore the accumulator line pressure.

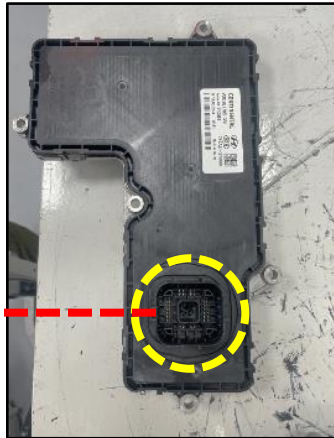


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TCM Removal and Installation:

In some cases when replacing a DCT assembly, the TCM may be required to be transferred from the old DCT unit to the new part. If so, follow the instructions below regarding the transfer of the TCM.

Carefully remove the TCM by evenly pulling away from the DCT E-module.

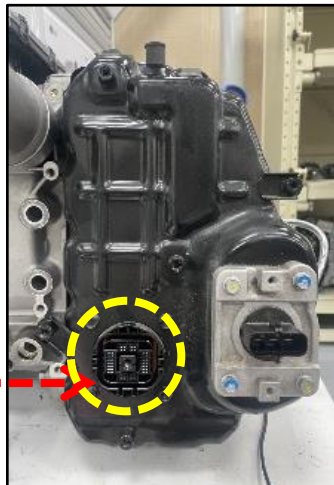


TCM

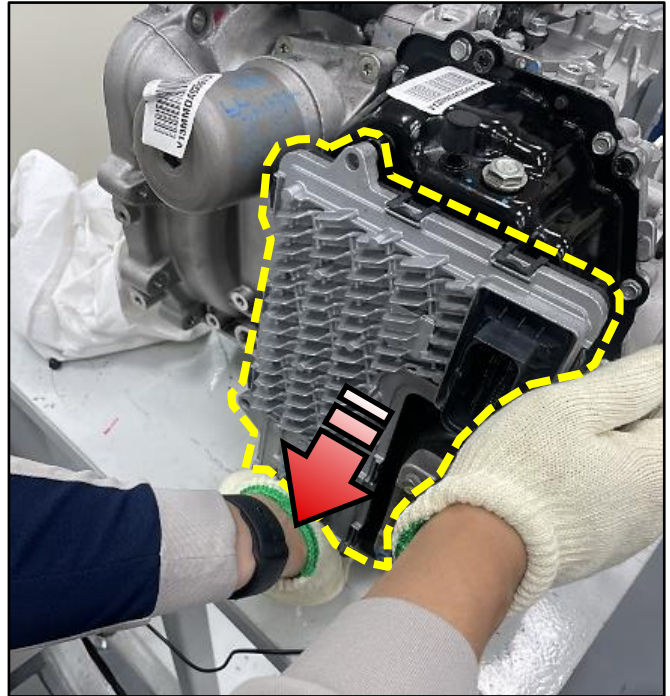
CAUTION

The TCM 24-PIN male connector must align properly with DCT E-module female connector during removal and installation. The TCM may require replacement if pins are damaged.

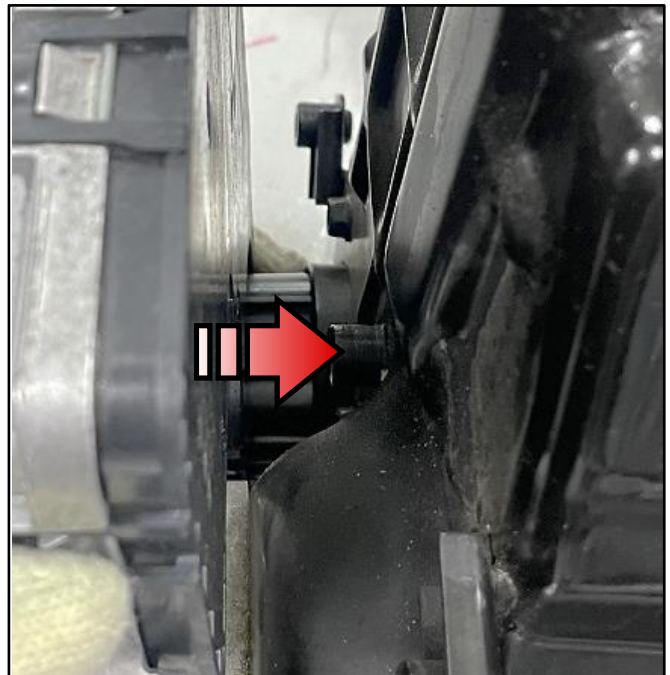
Carefully install the TCM by evenly aligning the male TCM connector to female DCT E-module.



DCT E-module



Removal direction, pull/detach.



Installation direction, align/insert.

