

Subject		Market
Vibration from Transmission at Slow Speeds (Under 8mph)		USA
Service Category	Section	
Drivetrain	Automatic Transmission/Transaxle	
Applicability		
2023MY Crown Platinum		

APPLICABLE VEHICLES

2023	Crown
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CONDITION

Some 2023MY Crown Platinum grade ONLY may require a transaxle and transmission control module (TCU) replacement for low-speed vibration from Transaxle and/or DTC for P084000/P084087.

RECOMMENDATIONS

HINT: If the Transaxle is replaced, take a photo of the Transmission Compensation Code Label before installation it will be used in later steps.

NOTE: Use the Most Current GTS+ software version V2023.04.003.02 or higher.

Confirm part number of TCM (TCU) currently installed or to be installed.

If TCM PN 89530-30881:

- Perform ECU Configuration, refer to Repair Manual Doc ID: RM1000000024ZVI; ([SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: ECU CONFIGURATION; 2023 - 2024 MY Crown \[12/2022 - ???????\]](#)). Perform steps as outlined as many times as necessary to configure all ECUs.
- Refer to Doc ID: RM1000000024ZVH; ([SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: WORK PROCEDURE; 2023 MY Crown \[12/2022 - 10/2023\]](#)); "Work Procedure Necessary When Replacing Parts", for "Transaxle assembly with motor". Perform these 7 steps in order as listed below using GTS+ and following on screen instructions:
 - A/T Compensation Code Reset (Doc ID: RM1000000027LH1)
 - A/T Code Registration (Arbitrary Code) (Doc ID: RM1000000027LH0)
 - Front Resolver Correction Value Writing (Doc ID: RM10000000256LT)
 - Reset Memory (Doc ID: RM1000000027LH1)
 - K0/WSC Learning Value Reset (Doc ID: RM1000000027LH1)
 - WSC Deterioration Estimate Reset (Doc ID: RM1000000027LH1)
 - Road Test (Doc ID: RM1000000027LH1)

If TCM PN 89530-30880:

- Refer to Repair Manual Doc ID: RM1000000024ZVI; "ECU Configuration". Perform steps as outlined as many times as necessary to configure all ECUs.
- Refer to Doc ID: RM1000000027LH1; "Initialization Perform Road Test to Allow TCM to Lean".

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RECOMMENDATIONS

WARNING – If the incorrect Repair Manul steps are performed, this can lead to DTC's that will not clear or harsh engagement into D/R range until additional steps are performed. If ECU Configuration is not performed, this can lead to No Ready ON condition. If this occurs, please create a TAS case and contact your FTS.

LINK REFERENCES

1. [SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: ECU CONFIGURATION: 2023 - 2024 MY Crown \[12/2022 - ???????\]](#)
2. [SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: WORK PROCEDURE: 2023 MY Crown \[12/2022 - 10/2023\]](#)
3. [PC60 \(HYBRID TRANSMISSION / TRANSAXLE\): HYBRID TRANSAXLE SYSTEM: INITIALIZATION; 2023 - 2024 MY Crown \[12/2022 - ???????\]](#)
4. [PC60 \(HYBRID TRANSMISSION / TRANSAXLE\): HYBRID TRANSAXLE SYSTEM: REGISTRATION; 2023 - 2024 MY Crown \[12/2022 - ???????\]](#)
5. [HYBRID / BATTERY CONTROL: MOTOR GENERATOR CONTROL SYSTEM \(for 1Motor-HEV Model\): UTILITY; 2023 - 2024 MY Crown \[12/2022 - ???????\]](#)