

Subject <b>Vibration from Transmission at Slow Speeds (Under 8mph)</b>		Market USA
Service Category Drivetrain	Section 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:
  1. A/T Compensation Code Reset (Doc ID: RM1000000027LH1)
  2. A/T Code Registration (Arbitrary Code) (Doc ID: RM1000000027LH0)
  3. Front Resolver Correction Value Writing (Doc ID: RM10000000256LT)
  4. Reset Memory (Doc ID: RM1000000027LH1)
  5. K0/WSC Learning Value Reset (Doc ID: RM1000000027LH1)
  6. WSC Deterioration Estimate Reset (Doc ID: RM1000000027LH1)
  7. 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”.

Subject

**Vibration from Transmission at Slow Speeds (Under 8mph)**

Market

USA

Applicability

**RECOMMENDATIONS**

**WARNING** – If RM steps 31/32 are performed, (except Road Test) this can lead to DTCs 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 \[12/2022 - ???????\]](#)