

Subject		Market
Vibration from Transmission at Slow Speeds (Under 8mph) and/or DTC P084000/P084087 is present		USA
Service Category	Section	
Drivetrain	Automatic Transmission/Transaxle	
Applicability		
2023MY RX500h		

APPLICABLE VEHICLES

2023	RX500H
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CONDITION

Some 2023MY RX500h 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 89530-48501:

- Perform ECU Configuration, refer to Repair Manual Doc ID: RM1000000023QUU ([SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: ECU CONFIGURATION; 2023 - 2024 MY RX350 RX350H RX450H+ RX500H \[10/2022 - ???????\]](#)). the steps as outlined as many times as necessary to configure all ECUs.
- Refer to Doc ID: RM1000000023QUT([SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: WORK PROCEDURE; 2023 MY RX350 RX350H RX450H+ RX500H \[10/2022 - 08/2023\]](#)); “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: RM1000000027WRA)
- A/T Code Registration (Arbitrary Code) (Doc ID: RM1000000027WR9)
- Front Resolver Correction Value Writing (Doc ID: RM1000000027BU6)
- Reset Memory (Doc ID: RM1000000027WRA)
- K0/WSC Learning Value Reset (Doc ID: RM1000000027WRA)
- WSC Deterioration Estimate Reset (Doc ID: RM1000000027WRA)
- Road Test (Doc ID: RM1000000027WRA)

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If TCM PN 89530-48500:

- Refer to Repair Manual Doc ID: RM1000000023QUU; "ECU Configuration". Perform steps as outlined as many times as necessary to configure all ECUs.
- Refer to Doc ID: RM1000000027WRA; "Initialization Perform Road Test to Allow TCM to Lean".

WARNING – If the incorrect RM steps 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

- [SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: ECU CONFIGURATION: 2023 - 2024 MY RX350 RX350H RX450H+ RX500H \[10/2022 - ???????\]](#)
- [SETUP: WHEN REPLACING OR REMOVING/INSTALLING PARTS: WORK PROCEDURE: 2023 MY RX350 RX350H RX450H+ RX500H \[10/2022 - 08/2023\]](#)
- [PC60 \(HYBRID TRANSMISSION / TRANSAXLE\): HYBRID TRANSAXLE SYSTEM: INITIALIZATION; 2023 - 2024 MY RX500H \[10/2022 - ???????\]](#)
- [PC60 \(HYBRID TRANSMISSION / TRANSAXLE\): HYBRID TRANSAXLE SYSTEM: REGISTRATION; 2023 - 2024 MY RX500H \[10/2022 - ???????\]](#)
- [HYBRID / BATTERY CONTROL: MOTOR GENERATOR CONTROL SYSTEM \(for 1Motor-HEV Model\): UTILITY; 2023 - 2024 MY RX500H \[10/2022 - ???????\]](#)