

Subject Abnormal Noise from Differential and Miss Match of Connect/Disconnect Timing		Market USA
Service Category Drivetrain	Section Axle/Differential	
Applicability 2019 RAV4		

APPLICABLE VEHICLES

2019	RAV4
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CONDITION

This Tech Tip applies to 2019 model year RAV4 Adventure/Limited grade equipped with torque vectoring AWD system ONLY.

Some customers may experience an abnormal noise from rear differential after driving the vehicle for 15-20 minutes or more.

This condition occurs with "Normal" drive mode selected.

RECOMMENDATIONS

1. Confirm if the vehicle was produced BEFORE the Production Change Effective VINs shown below.

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
RAV4	TMMC - C	AWD	2T3N1RFV#KC053454
			2T3J1RFV#KC053454
	TMMC - W		2T3N1RFV#KW080109
			2T3J1RFV#KW080109
	Takaoka		JTMN1RFV#KJ023026
	Shokki #1		JTMN1RFV#KD041318
	Shokki #2		JTMN1RFV#KD522367

- **YES** — Continue to step 2.
- **NO** — Follow the repair procedure in T-SB-0067-20: '19-'20 RAV4: Abnormal Noise from Rear Differential During Connect/Disconnect Operation.

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RECOMMENDATIONS

2. Review the vehicles 4WD Data List and confirm 4WD Connect/Disconnect Timing.
 - A. Is there a miss match between the Front and Rear Axle Coupling Clutch Position Sensor for a duration more than 2 seconds at any speed?

Example:

Front Axle Coupling Clutch Position Sensor Status	Disconnect
Rear Axle Coupling Clutch Position Sensor Status	Connect

Or

Front Axle Coupling Clutch Position Sensor Status	Connect
Rear Axle Coupling Clutch Position Sensor Status	Disconnect

- **YES** — Please create a TAS case and contact TAS for instruction prior to diagnosing or repairing of the vehicle. If it is a weekend or holiday, continue with diagnosis and repair. Please save all parts and/or details and contact TAS on the next available workday.
- **NO** — Follow the repair procedure in T-SB-0067-20: '19-'20 RAV4: Abnormal Noise from Rear Differential During Connect/Disconnect Operation.

LINK REFERENCES

This Tech Tip does not contain any link references