

95B.III – 2022 Macan Transfer Boxes Shudder/Jerk at Slower Speeds

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Macan	2022	95B	n/a	All

Revision History

Revision	Release Date	Changes
0	July 29, 2022	Original document

Condition

Customer uses adjectives like shuddering, jerking, jolting, lurching, lunging or similar to describe the behavior of the vehicle's drivetrain at lower speeds. Particularly, this occurs while driving in 2nd or 1st gear in the transmission's automatic mode with some slight brake application in combination with a greater steering angle input (at or close to 'full-lock'), travelling at around 10 mph, e.g. while negotiating a parking space or lot. The condition happens in reverse too, and can be disconcerting. There are no fault occurrences associated with the behavior described herein.

Technical Background

ONLY recommended for diagnostic purposes, fixing the degree of locking to a constant between the front and rear drive shafts from the transfer box serves to eliminate the concern. Disconnecting the electrical plug on the transfer box serves to fix or lock the torque ratio (diagnostic purposes ONLY).

Service Information

Please determine if the customer's complaint is consistent with the description provided in the 'Condition' section above, by first operating the vehicle under the described parameters (preferably with the customer). If this issue is consistent, please operate the vehicle under the same parameters with a fixed or constant torque lock in the transfer box, which is possible by disconnecting the electrical plug to the transfer box.

1. If the behavior identified occurs under the parameters described in the 'Condition' section above, and improves with unplugging the transfer box, then please **DO NOT** perform any repairs. This behavior is currently a normal operating characteristic of the drivetrain and is under investigation.

2. If the customer's complaint is either not consistent with the condition outlined in this bulletin and/or does not cease when disconnecting the transfer box's electrical plug, then please continue to diagnose and resolve the complaint.

Warranty

As always, please document the repair completely in PCSS.

For this repair, please code the "cause" as follows:

Cause location: 3965 Transfer box
Cause symptom: 1126 Jerky gear change

Use the following troubleshooting labor operation:

03350050 Fault memory read-out
03350053 Creation of the VAL
51921900 Cover front remove and reinstall
39650199 Unplug transfer box and test-drive

Search Items

Transfer box, Macan, shuddering, jerking, jolting, lurching, lunging, transmission

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