

Taycan: Clicking Noises from Carbon Fiber Aeroblade Wheels

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Taycan	As of 2020	Y1A	N/A	44I – 21" Taycan Exclusive Design Wheels with Carbon Fiber Aeroblades

Revision History

Revision	Release Date	Changes
0	October 21, 2021	Original document

Condition

The customer complains of clicking noises from the wheels while maneuvering at slow speeds. The clicking noises can be traced back to the contact points between the carbon fiber aeroblade inserts and the 21" alloy wheel.



Figure 1 - Sound File

Technical Background

The clicking noises can be attributed to one or multiple of the following causes:

1. Improper labelling of the parts at the supplier
2. Improper packaging of the parts at the supplier
3. Dimensional inaccuracies resulting in the parts being out of tolerance

Countermeasures for causes (1) and (2) have been implemented in production since December 2020. However, spare parts should still be checked upon arrival to ensure that they are properly labelled and packed. Improperly labelled and packed parts may still exist in the current stock.

Updated parts to address cause (3) are expected to be available by January 2022.

Service Information

To address this complaint, please perform the following:

1. Remove the carbon fiber aeroblades from the wheels as per *WM 441237 – Disassembling and assembling disc wheel, section on Disassembling disc wheel*, and inspect the parts to ensure that they are installed on the correct wheels.
2. Apply Teflon or felt tape to the wheel contact points indicated by the arrows in Figure 2.



Figure 2 - Edges for Teflon/Felt Tape Application

3. Reinstall the carbon fiber aeroblades on the correct wheels as per *WM 441237 – Disassembling and assembling disc wheel, section on Assembling disc wheel*.
 - a. If the clicking noises persist, continue to (4). If the clicking noises are no longer present, no further action is required.
4. Replace the carbon fiber aeroblades (as needed) per the instructions in *WM 441237 – Disassembling and assembling disc wheel*.
5. If the clicking noises still persist, replace the affected wheels and transfer the carbon fiber aeroblades to the new wheels.

Warranty

As always, be sure to document the repair completely in PQIS.

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

Cause location:	44640	Cover
Cause symptom:	3044	Deformed

Use the following troubleshooting labor operations, as needed:

44051901	Wheel remove and reinstall (front left)
44051902	Wheel remove and reinstall (front right)
44051903	Wheel remove and reinstall (rear left) Wheel
44051904	remove and reinstall (rear right) Rim
44123751	disassemble and assemble (front left) Rim
44123752	disassemble and assemble (front right) Rim
44123753	disassemble and assemble (rear left) Rim
44123754	disassemble and assemble (rear right)

Search Items

Taycan, wheel clicking, carbon fiber, aeroblades, wheel covers

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