

**Taycan: Buzzing noises from the area of the steering column**

**Vehicles Affected**

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Taycan	As of 2020	Y1A/ Y1B/ Y1C	N/A	N/A

**Revision History**

Revision	Release Date	Changes
0	May 5, 2022	Original document

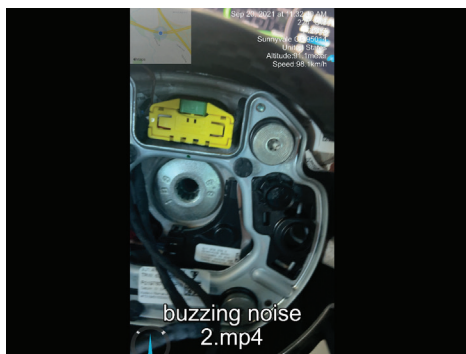
**Condition**

The customer complains of a buzzing, vibration, or rattling noise from the area of the steering column.

**Technical Background**

There are various potential causes for noises to be transmitted through the steering column and into the cabin. This document focuses on noises associated with faulty wheel bearings.

**NOTE:** The typical droning noise caused by faulty wheel bearings likely does not accompany the noises highlighted in this document. The noises also may or may not occur across a wide range of speeds.

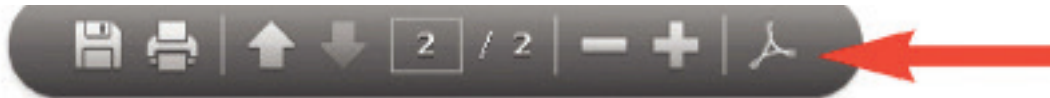


**Figure 1: Example noise heard inside the cabin**



**Figure 2: Example noise heard on the lift**

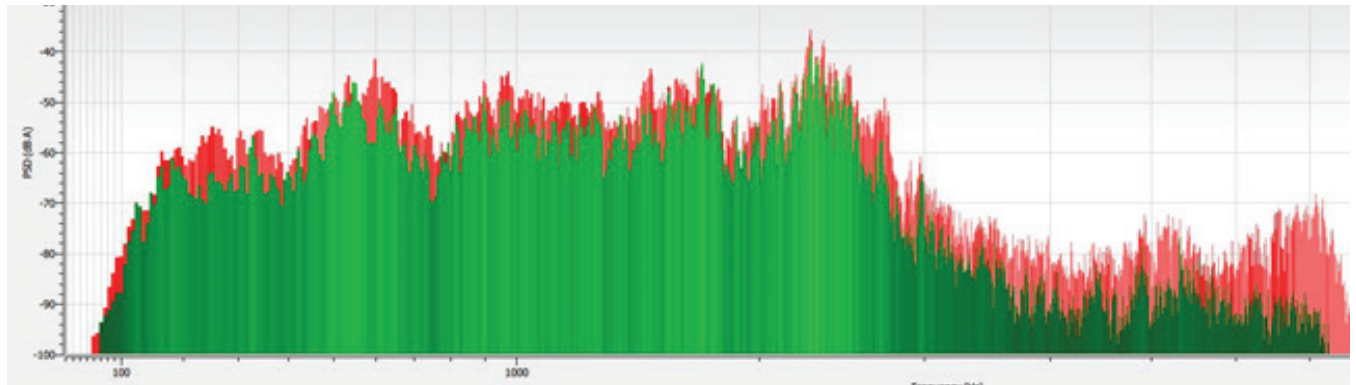
To open the sound files, download the pdf and click on the paperclip icon to the left of your Adobe Acrobat window. If the paperclip is not visible, pass your mouse pointer over the lower part of the Acrobat window and the Acrobat toolbar should appear as seen below. Click on the Acrobat icon on the far right to access the paperclip, then click on the paperclip to open the attachment.



**Service Information**

Please perform the following to diagnose whether the noise is related to the wheel bearings:

1. Capture an FFT plot of the noise. The noise should be approximately 2200-2500 Hz



**Figure 3: Example FFT Plot from Inside the Vehicle**

2. Raise the vehicle on a lift and drive the wheels. If the noise persists (audible either inside or outside the vehicle, or both), it is likely related to one or both of the front wheel bearings.
3. Verify which wheel bearing(s) is (are) causing the noise by attaching the chassis ears to the steering knuckles. Replace the affected wheel bearings.
4. Capture a second FFT plot to verify that the noise is no longer present. Please attach the FFT plot image to the PCSS job and/or PRMS ticket.
5. Please attach pictures of any replaced wheel bearings to the PCSS job and/or PRMS ticket.

### Warranty

As always, please document the repair completely in PQIS.

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

Cause location: 40570 Front wheel bearing

Cause symptom: 2018 Drones, hums

Use the following troubleshooting labor operation:

40575551 Front wheel bearing replace (if **only** front left replaced)

40575552 Front wheel bearing replace (if **only** front right replaced)

40575650 2 Front wheel bearings replaced (if **both** front wheel bearings replaced)

Additional labor operations may be used **only as needed**.

### Search Items

Taycan, Y1, Y1A, Y1B, Y1C, steering column, buzzing, vibration, rattling, noise, wheel bearing, front, dash

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