

AfterSales Diagnostic Sheet



MAS002731
(BOL 21-20)

From: Aftersales - TSO
To: Maserati Network
Auburn Hills, MI.
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Steering wheel vibration during braking

Issue: Steering wheel vibration during braking

Models: All models

Conditions: Customer feels a vibration in the steering wheel during braking

ECU errors: Possible absence of relative DTCs

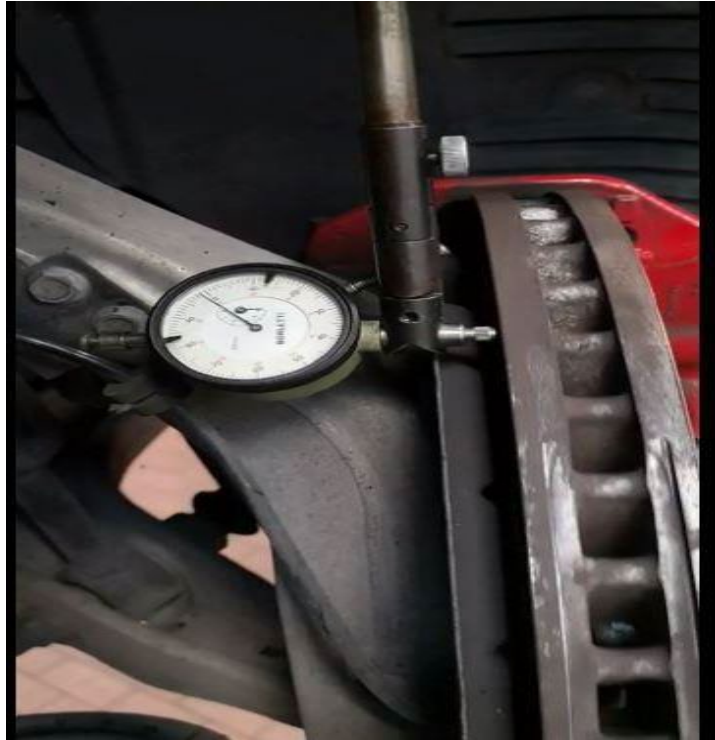
Troubleshooting:

- 1) Take photos of the disks and the pads surfaces.
- 2) Take photos of the rims with mounted tires (Inside and outside of the rims)

Note: The photos requested in points 1 and 2 are used to evaluate if intensive use of the braking system is obvious.

- 3) Provide the mileage on the current disks and pads.
- 4) Check the tire pressures to ensure they are correct by comparing to the values found in the workshop manual (Modis procedure 00.AB.055 -)
- 5) Provide the thickness of: the friction material on the pads and the brake discs.
- 6) Attach a tire balance report.
- 7) Check if the caliper pistons move freely and correctly.
- 8) Provide the value of the run-out performed on the inside of the discs, with wheels removed. (If needed, use the dial gauge holder in the prop-shaft kit p/n: 900028643)
- 9) Provide the value of the run-out performed on the inside of the rims with rims mounted.
- 10) Only if the run-out values between left and right differ greatly, proceed to swap the rims from right to left.
- 11) Again, provide the value of the run-out performed on the inside of the rims.

For the measurement of the run-out on the inside of the disk, if useful, refer to the following photo:



Considerations:

- Attach the photos and the required runout measurements to the BOL.
- If the measured runout on the disc is greater than or equal to 0.05 mm, the disc needs to be replaced.
- If, after step 11, the measured run-out differs from the measurement at step 10, there is the possibility that the Wheel Rim installed on the deformed Brake Disc (as measured in step 6.) underwent a deformation due to external causes.

If you have any questions, contact the Technical Support Helpdesk.