

Diagnostic Sheet

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

Noise from the front suspensions while maneuvering

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This Diagnostic Sheet serves as a guide and provides additional diagnostic info for possible front suspension anomalies.

SECTION: 06.10.1 Front suspensions**MODELS:** Ghibi (M157), Levante (M161) and Quattroporte (M156) (All)**PROBLEM:** noise from the front suspensions during maneuvering, on rough road and/or passing on bumps.**ACTION:** In case of management of a technically compatible case, we ask to follow to the below diagnostic path:

1. Perform a test drive to confirm the complaint
2. Check for excessive dirt build-up in the knuckle and bushing area; without removing any components, wash the front suspension lower arm joints with water.

Test the car pre and post drying to check if the noise is still present after this intervention:

- In case the noise is still present, go to next step 3.
- In case the noise is not present anymore, the car could be delivered

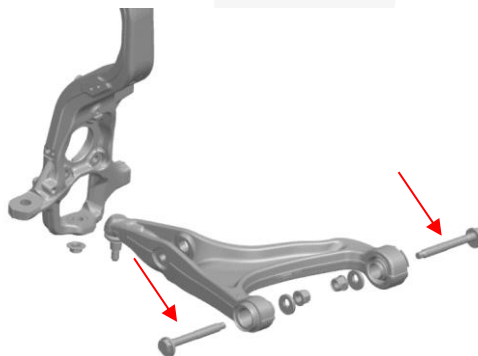
3. Check the status of lower suspension arm bushings and ball joint, looking for evidences of abnormal freeplay and/or damage:

- In case of trouble found, proceed with lower suspension arm replacement and road test again the car to confirm the repair outcome;
- In case of no trouble found, go to next step 4.

NOTE: small cracks on the bushing's rubber and/or signs of wear are the consequence of normal use of the vehicle and component aging, they do not imply functionality problems and do not cause noise.

4. Restore the two lower arm bushings fixings: unscrew of about 360° and re-screw them at nominal torque value:

- M161-LEVANTE= 265Nm;
- M15x-GHIBLI and QUATTROPORTE = 140 Nm;



5. Test drive the vehicle and see if the noise has been resolved.

If, according to the current Blue on Line Policy, it is necessary to open a report, send it as Factory Information and in reference to this Technical release providing the outcome of the suggested diagnostic steps.