

Diagnostic Sheet

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

Noise from the front suspensions while maneuvering

DATE: April 10, 2025

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 MY)

ISSUE: Noise from the front suspension during manoeuvres, on uneven roads and/or when driving over bumps.

ACTION: If dealing with a case that technically matches the above description, please follow the diagnostic path below:

1. Perform a test drive to verify and confirm the concern.
2. Clean any debris around the joint and bushings area without removing any components.
After, Road Test the vehicle to check if the noise persists:
 - a. If the noise is still present, proceed to step 3.
 - b. If the noise has disappeared, the vehicle can be released.
3. Without dismantling the arms, check the condition of the bushings and ball joint of the lower suspension arm, highlighting any visible signs of breakage and/or excessive play:
 - Bushings: Refer to the images in Appendix A to determine which condition needs replacement.
 - Ball joint: Check for the absence of sealing rings on the boot and/or damage to the boot with grease leakage.
 - a. If positive (condition matches the photos in Appendix A), replace only the damaged lower front suspension arm and test the vehicle after the intervention.
NOTE: The warranty request must include photos of the identified defects.
 - b. If negative (condition does NOT match the photos in Appendix A), proceed to step 4.

- Re-install the two bushings fasteners (A and B in fig.1) of the arm to the chassis and the ball joint head (C in fig.1):

A-B) Bushings of the arm to the chassis: The operation must be performed with the vehicle in normal driving condition (wheels on the ground vehicle NOT lifted); loosen by 360° and retighten to the prescribed torque:

- M161 – LEVANTE = 265[Nm].
- M15x – GHIBLI e QUATTROPORTE = 140[Nm].

Use a torque wrench during loosening/tightening.

C) Ball joint to upright: Loosen by 360° and retighten to the prescribed torque:

- M161 – LEVANTE = 70[Nm].
- M15x – GHIBLI e QUATTROPORTE = 70[Nm].

Use a torque wrench during loosening/tightening.

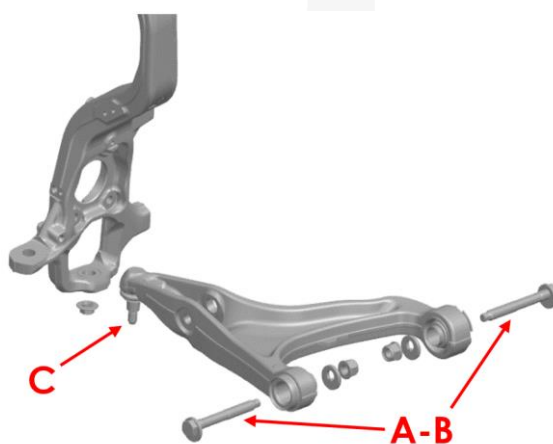


Fig. 1

- Perform a test drive of the vehicle and verify if the noise has been resolved. If the noise persists, replace the noisy lower front suspension arm and test the vehicle after the intervention.

NOTE: The warranty request must indicate that the replacement was performed following the restoration of the fixings and the noise was still present.

Warranty Request Completion:

Description	Code
Defective Code	067
Component Code	6.10.003 (right lower front arm) 6.10.004 (left lower front arm)
Operation Code	
<ul style="list-style-type: none"> Fixing restoration Right front arm replacement Left front arm replacement Test drive (after fixing restoration or arm replacement) 	6.10.003.A (0,50 h for M15x, 0,70 h for M161) 6.10.003.0 (2.05 h) 6.10.004.0 (2.05 h) 0.20.001.1 (0.25 h)

Mandatory Attachments for Warranty Request:

- a. Photos showing clear signs of breakage and/or excessive play (refer to step 3).
- b. A comment indicating that the replacement was carried out following the restoration of fixings and the noise was still present (refer to step 4).

Only the operations described in this publication will be recognised for warranty claims. Any additional or non-compliant requests will be rectified ex officio.

Any requests submitted without the mandatory documentation required in steps 3 and 4 will be automatically rejected as they fall outside the policy of this communication.

For all vehicles within 24 months from registration, a Blue On Line report must also be opened for Factory Information, including and reporting all information required in this bulletin.

We remain available for any further clarification.

Best regards,

TECHNICAL SERVICE OPERATIONS