MAS003867 BOL 24-29

Diagnostic Sheet
FROM: Maserati TSO
TO: Maserati Network

Maserati
PERSONAL SERVICE LAB
MASTERS OF CARE

Rear Exhaust Silencer Noise

ATTENTION! This bulletin supersedes MAS003306 BOL 22-09 released on October 2, 2022. Please discard/remove all copies of the previous bulletin.

DATE: October 7, 2024

This Diagnostic Sheet serves as a guide and provides additional diagnostic info for possible rear exhaust noise anomalies.

MODELS:

- M157 Ghibli (All MY).
- M156 QP (All MY).
- M161 Levante (All MY).
- M182 Grecale L4 ICE (All MY).

SUBJECT: Noise from Rear Exhaust Silencer

ACTION:

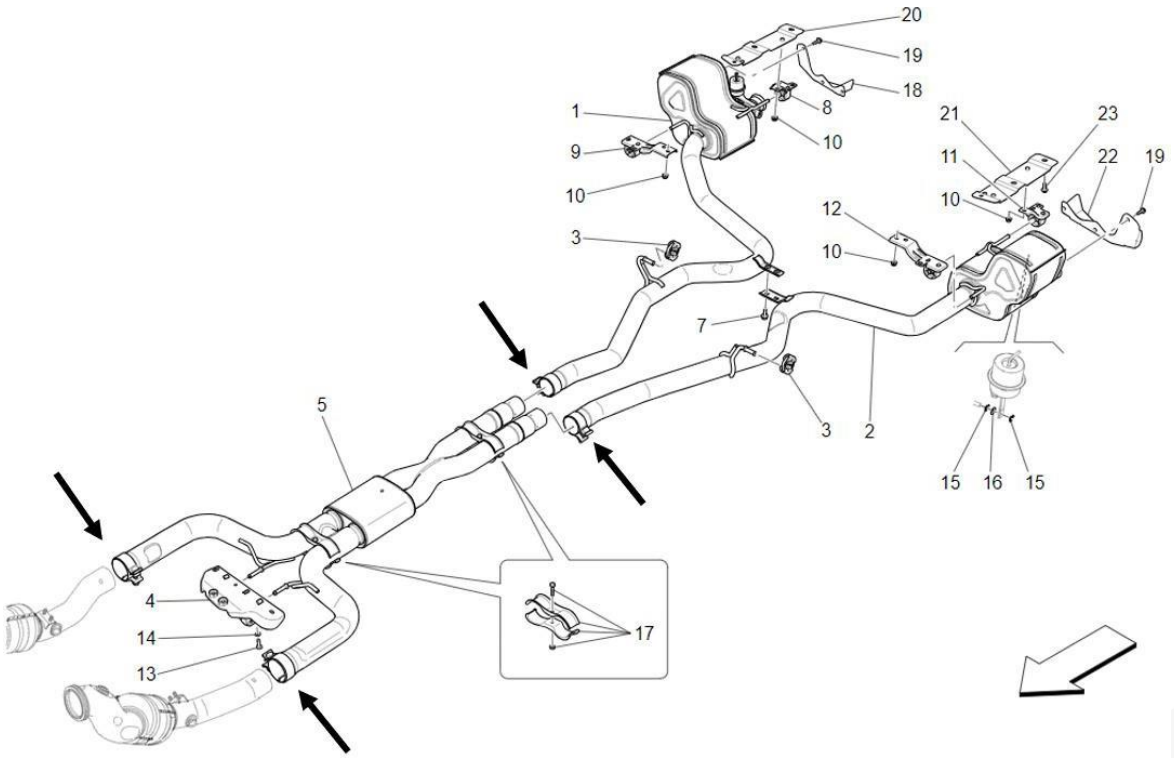
Perform the checklists below depending on the model involved:
• Checklist A: M15x-M161 (V6, V8)
• Checklist B: M182 (L4)

Checklist A:

1) Describe the customer's complaint and the conditions which it occurs: Engine warm or cold? In which driving mode (Sport, Normal, etc.)? At idle or during acceleration?

2) Attach a video of the complaint to the BOL (to be sent as a "support request") before proceeding with any action.

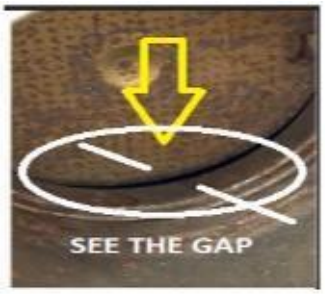
3) Carry out the checks below, referring to the following image:



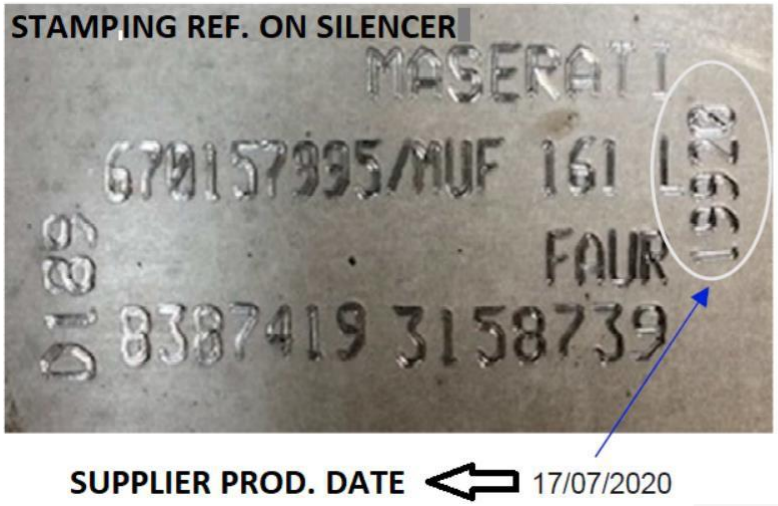
3a) Check the tightening and the conditions of the anti-vibration pads (items n. 8,9,11 and 12). 3b) Check the tightening of the collars indicated by the arrows, see picture.
3c) Check the tightening of the nuts of the central silencer support (item n.17).

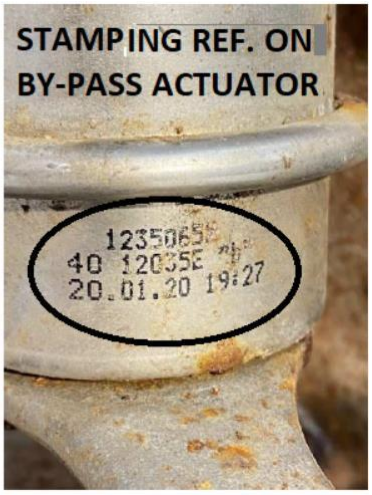
4) Highlight any NOT OK check in BOL (documenting with photos and/or videos) and check whether the problem persists even after correct tightening has been restored. If so, proceed to step 5.

5) Remove the silencer and check whether there is incomplete closure of the by-pass valve in "Normal" mode which could cause vibrations/rattling (below, an example photo relating to poor closure of the valve):



6) Provide the results of the checks carried out in BOL and attach a photo of the identification references stamped both on the rear silencer, which is suspected to be noisy, and on the relevant bypass valve. Below are some examples.





Checklist B:

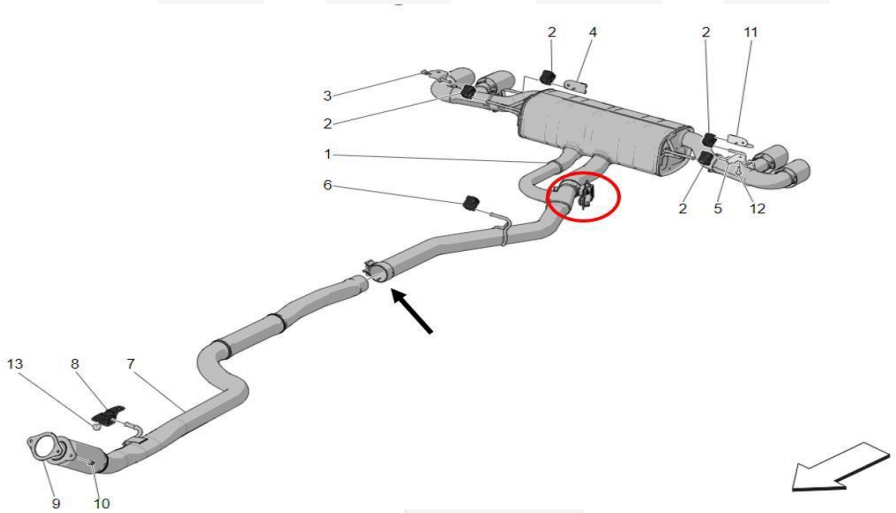
1) Describe the customer's complaint and the conditions in which it occurs: Engine warm or cold? In which driving mode (Sport, GT, etc.)? At idle or during acceleration?

2) Attach a video of the complaint to the BOL (to be sent as a "support request") before proceeding with any action.

3) Using the EVO, check the availability of software updates for the engine control module (ECM). If updates are available, perform the update and then verify the vehicle's behavior. If the issue persists, proceed to step 4.

NOTE: Immediately after programming the ECM, check for updates availability for the TCM. If updates are available, proceed with programming the control unit. This operation is necessary, in this case, for the proper matching of ECM and TCM software. Updating the TCM, on MY23 or earlier vehicles, may modify the behavior of the shift paddles, as described in Circular Letter MAS003685.

4) Carry out the checks below, referring to the following image:



4a) Check the tightening and the conditions of the rear anti-vibration pads (items n. 2). 4b) Check the tightening of the collar indicated by the arrow, see picture.
4c) Check the tightening and the conditions of the central silencer support pad (item n. 8).

NOTE: do NOT dismantle the bypass valve actuator from its seat. See red circle in the figure.

5) Select the "GT" driving mode and start the engine at idle. In these conditions, disconnect the bypass valve connector. The valve remains in the closed position.

6) Turn off the engine.

7) Disconnect the rear silencer from the central silencer. With an endoscope, inspect the valve as shown in the images below. Document the condition of the valve with photos.

OK mounting of valve group show this visible shaft:

NOK mounting of valve group show this covered shaft:

8) Provide the results of the checks carried out in BOL and attach a photo of the identification references stamped both on the rear silencer, which is suspected to be noisy, and on the relevant bypass valve. Below are some examples.