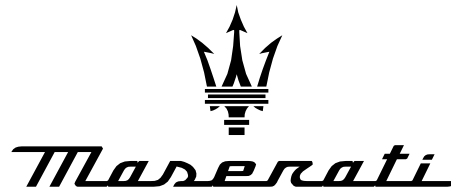


Technical Information

FROM: Maserati TSO

TO: Maserati Network



PERSONAL SERVICE LAB

MASTERS OF CARE

Engine Oil Leak Diagnostic Path

DATE: January 28, 2025

This Technical bulletin serves as a diagnostic guide for managing oil leaks and instructing related repairs.

MODELS: All Maserati Models.

- 1) Take a picture of the leaking area, to identify the area involved (obvious drops, seepage, wetting). It is also important to report in which conditions the leak was highlighted (customer complaint, check during normal service operations, etc.)
 - 2) Properly clean the affected surfaces with fast evaporating degreasing products (generally heptane or similar products, (e.g. Fulcron Supersgrassante K1). After drying apply tracing powder, talcum powder, or talcum spray on the affected surfaces.
 - 3) Turn on and warm up the engine (Teng >85°C) and leave it idling for at least 5 minutes – alternatively, it is also possible to drive the car in warm engine conditions to highlight any leaks.
 - 4) Take new pictures of the leaking areas, confirming or denying the loss/oozing/wetting.
 - 5) If the leak is no longer visible, clean the area and return the vehicle to the customer. If an active leak is confirmed, proceed with step 6.
 - 6) Proceeding to dismantle the seal involved keeping track of the residual torques of the related fastenings involved. It is necessary to keep track of the residual torques of the suspect fastenings by applying the following procedure:
 - Objectify with a marker the angular position of the fastening (nut/bolt/screw) to its reference surface.
 - Remove the fastening, noting the minimum unscrewing torque (release torque).
 - Tighten again, returning the fastening to the previously determined angular position and noting the necessary torque.
 - Take note of the two values previously detected for each fastening.
 - 7) Take detailed pictures of the contact surfaces checking their integrity (scratches/porosity).
 - 8) Take detailed pictures of the gasket (if applicable) to highlight the homogeneity of the imprint on it.
 - 9) Proceed with the replacement of the leaking seal, taking care to respect the tightening torques indicated in the workshop manual.
- NOTE:** Only for Ferrari V6 (F160) and V8 (F154) engines, in case of a leak from the turbo oil return pipe and tightenings residual torques in the specification (6-7 Nm), replace the pipe as well as the gaskets.
- 10) Repeat step 3 to verify that the leak is resolved.
 - 11) Repeat step 4 to certify the repair effectiveness.
 - 12) Any warranty repair related to engine oil leaks must show evidence of the diagnostic steps above reported, attaching them to the relevant Blue on line (if required according to the Blue on Line Policy in place) or possibly to the warranty claim. Any warranty claims that do not meet the required requirements cannot be approved and will be subject to assessment.