

Oil Leak from Oil Pan Thread Insert

DATE: June 12, 2025

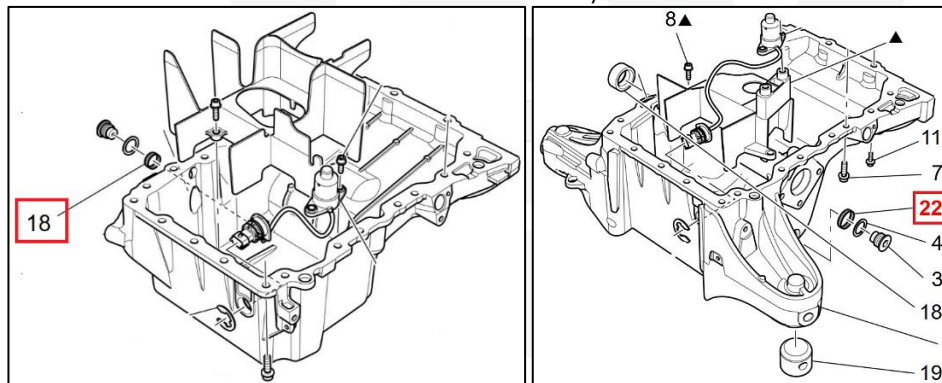
Some vehicles may experience oil leakage from a threaded insert that may be causing a leak in the engine oil pan. This bulletin provides the repair steps to replace the insert and avoid replacing the entire oil pan.

MODELS AFFECTED:

- Quattroporte (M156)
- Ghibli (M157)
- Levante (M161)
- *All with V6 engines only*

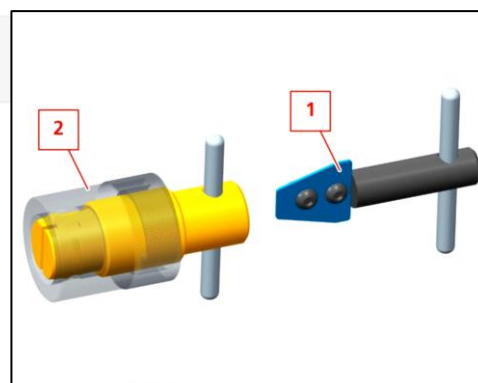
Issue Summary

Oil leak from engine oil pan threaded insert (component #18 in Section #01.60-2 for RWD versions, component #22 in Section #01.60-3 for AWD versions).



Applicable Parts and Tools needed

- Helicoil Inserter/Extractor Kit – P/N 900100033
- Thread Insert (included in the kit)
- WURTH Screw M22x1.5 (for thread check)



Repair Procedure

1. Leak Verification (Refer to MAS004438 Steps 1–4):

1. Photograph the leak area clearly. Include visible oil drops, seepage, or staining. Document when the leak was detected (e.g., during service or customer concern).
2. Clean the area using brake cleaner.
3. Apply leak trace powder or talcum spray.
4. Warm the engine to over 85°C (194°F) and idle for at least 5 minutes. Optionally, road test the vehicle.
5. Re-photograph the leak area to confirm the source.

2. Remove the Damaged Threaded Insert

Follow internal protection procedures per workshop manual section #00.AA.005.

If thread lock is present, clean per workshop manual section #00.AB.065.

Use the extractor tool from kit P/N 900100033 to remove the insert carefully.

Note: Use care to avoid damaging the oil pan thread.

3. Inspect Oil Pan Thread

Use the M22x1.5 screw to test thread quality.

If the screw does not jam, proceed with insert replacement.

If it jams, replace the oil pan.

4. Install New Threaded Insert

1. Load the new insert into the inserter tool.
2. Screw the tool in until the insert is fully seated.
3. Finish the repair by reassembling components and checking for leaks.

Warranty Claim Instructions

Description	Code
Fault Code	059
Component Code	1.60.077.0 (Engine Oil Drain Plug Threaded Insert)
Operation Codes	0.20.003.0 (Oil Drain/Fill) 0.20.057 (Insert Replacement – 0.30 hr)
If Oil Pan Replacement Required	1.60.002.X

Mandatory Warranty Attachments

- Photos and documentation from Steps 1–4 above.

- If oil pan is replaced: comment confirming thread blockage (from Step 3 above).

⚠ Claims that do not include the required documentation or follow the bulletin procedures may not be accepted.

⚠ For vehicles within 24 months of registration, submit a Blue On Line report with all required info.

Need Help?

Contact your Technical Service Operations representative with any questions.

Best regards,

Technical Service Operations – Maserati