

**Technical Service Bulletin (TSB)**  
**Oil Leakage From The Timing Cover**

|                           |   |                              |              |                  |           |
|---------------------------|---|------------------------------|--------------|------------------|-----------|
| <b>REFERENCE:</b>         | <b>TSB:</b> 09-013-25 REV. A<br><b>GROUP:</b> 09 - Engine   | <b>Date:</b>                 | May 30, 2025 | <b>REVISION:</b> | 09-013-25 |
| <b>VEHICLES AFFECTED:</b> | <b>2020 - 2024 (GA) Alfa Romeo Giulia</b><br><b>2020 - 2024 (GU) Alfa Romeo Stelvio</b><br>This bulletin applies to vehicles built on or before May 02, 2024 (MDH 0502XX) equipped with the 2.0L 280 HP I4DI Turbo Engine (Sales Code EC2). | <b>MARKET APPLICABILITY:</b> |              |                  |           |
| <b>CUSTOMER SYMPTOM:</b>  | Customers may experience the following: <ul style="list-style-type: none"> <li>Oil leaking from the timing cover.</li> </ul>  |                              |              |                  |           |
| <b>CAUSE:</b>             | Loose timing cover fasteners  |                              |              |                  |           |

This bulletin supersedes Technical Service Bulletin (TSB) 09-013-25, date of issue May 29, 2025, which should be removed from your files. All revisions are highlighted with **\*\*asterisks\*\*** and include an updated Claims Data Failure Code.

**REPAIR SUMMARY:**

Once the claimed fault is confirmed, check the severity of the leak and replace the timing cover sealant, if necessary, according to the Repair Procedure.

**CLAIMS DATA:**

| Labor Operation No: | Labor Description  | Skill Category                    | Labor Time |
|---------------------|--|-----------------------------------|------------|
| 09-10-10-98         | Cover, Timing - Re Torque Bolts<br>3 - Highly-Skilled  | 1 - Engine Repair and Performance | 1.1 Hrs.   |
| 09-10-10-99         | Cover, Timing - Re Torque Bolts and Reseal Front Timing Cover ( <b>Stelvio</b> )<br>3 - Highly-Skilled | 1 - Engine Repair and Performance | 5.2 Hrs.   |
| 09-10-10-9A         | Cover, Timing - Re Torque Bolts and Reseal Front Timing Cover ( <b>Giulia</b> )<br>3 - Highly-Skilled  | 1 - Engine Repair and Performance | 5.7 Hrs.   |
| **Failure Code      | ZZ   | Service Action**                  |            |

**SPARE PARTS:**

| Qty    | Part No.                                     | Description | Notes                           |
|--------|--|-------------|---------------------------------|
| 1      | NPN  | Paint Pen   |                                 |
| 1 (AR) | 2142125000 -<br>MOPAR<br>50048546 -<br>EMEA  | Seal        | Crankshaft Oil                  |
| 1 (AR) | 06513080AA<br>MOPAR<br>50056383 -<br>EMEA    | Bolt        | Crankshaft Damper<br>Pulley     |
| 1 (AR) | 04892339BE -<br>MOPAR<br>50057786 -<br>EMEA  | Filter      | Oil                             |
| 1 (AR) | 04893751AA -<br>MOPAR<br>50050780 -<br>EMEA  | Tube        | Fuel Rail Supply                |
| 4 (AR) | 05281278AA -<br>MOPAR<br>50050799 -<br>EMEA  | Seal        | Fuel Injector To Valve<br>Cover |
| 6 (AR) | 06512266AA -<br>MOPAR<br>50053296 -<br>EMEA  | Stud        | Timing Cover                    |
| 2 (AR) | 68163849AB -<br>MOPAR<br>53380087 -<br>EMEA  | Antifreeze  | —                               |
| 1 (AR) | 68217568AA -<br>MOPAR<br>50050387 -<br>EMEA  | Gasket      | Cylinder Head Cover             |
| 4 (AR) | 68217569AA -<br>MOPAR<br>50050388-<br>EMEA   | Gasket      | Spark Plug Well                 |
| 6 (AR) | 68523988AA                                   | Oil         | Engine (0w30)                   |
| 4 (AR) | 68436674AA -<br>MOPAR<br>155252240 -<br>EMEA | Seal Kit    | Fuel Injector                   |

**DIAGNOSIS:**

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

**CAUTION!**

Make sure the leak does not come from the cylinder head, cylinder block, or the top of the crankcase. Refer to the detailed service procedures listed in DealerCONNECT> Service Library> Service Info under: 09 - Engine, 2.0L / Diagnosis and Testing.

**NOTE:** To proceed with further repairs, it is important to identify the source of the leak as accurately as possible. Document the intervention with photographs.

Locate the source of the oil leak. If the oil leak appears to be coming from the timing cover proceed to [Step 1](#) of the Repair Procedure.

**SPECIAL TOOLS/EQUIPMENT:**

| Description                             | Ref. No.                                | Notes |
|---|---|-------|
| Installer, Oil Seal                     | 9506                                    |       |
| Measuring container for Coolant Filling | Tool number not listed in Repair Manual |       |
| Retaining button removal tool           | 1823015000                              |       |
| Remover, Fuel Rail                      | 2044500140                              |       |
| Guide, Fuel Rail Installer              | 2044400140                              |       |
| Holder, Front Damper MAIR               | 2024700090                              |       |

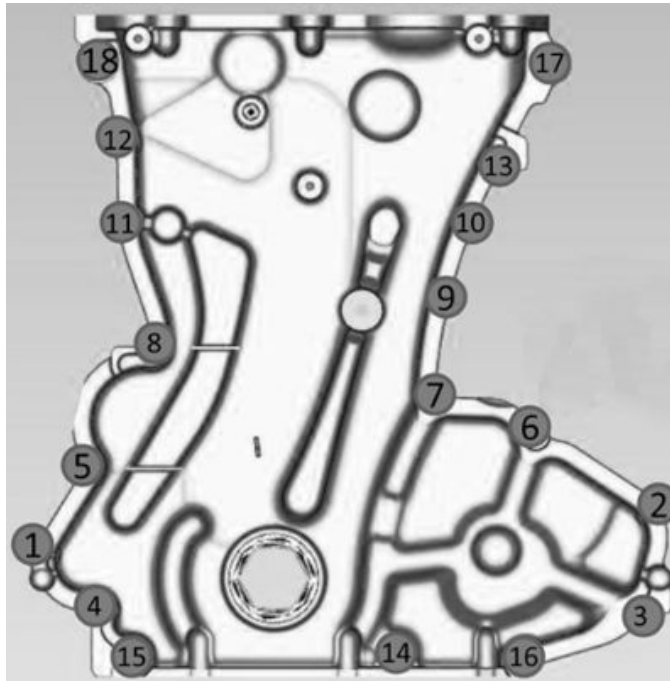
**REPAIR PROCEDURE:**

1. Remove the air cleaner assembly. Refer to the detailed service procedures listed in DealerCONNECT> Service Library> Service Info under: 09 - Engine, 2.0L / Air Intake System / Body, Air Cleaner / Removal.
2. Remove Serpentine belt. Refer to the detailed service procedures listed in DealerCONNECT> Service Library> Service Info under: 07 - Cooling / Accessory Drive / Belt, Serpentine / Removal.
3. Using a paint pen, mark every fastener corresponding to its current rotational position. Then turn the fasteners to loosen and return it to their original position for tightening torque. The current torque must be between 8.6 Nm (6.343 ft lb) and 11.0 Nm (8.113 ft lb).
4. If the residual torque is below the 8.6 Nm (6.343 Ft lb) limit, proceed as follows:
  - Using a digital torque wrench (recommended), loosen the fasteners, tighten to a torque of 5 Nm (3.687 Ft lb) and apply another 40°. The current torque must be between 11.0 Nm (8.113 Ft lb) and 16.0 Nm (11.801 Ft lb).

**OR**

- Using a digital torque wrench (recommended), apply a torque of 10.0 Nm (7.376 ft lb) using a mechanical torque wrench.

**NOTE:** Refer to the order shown in [Fig. 1](#) for tightening the fasteners.



**Fig. 1**  
Tightening Sequence

5. Clean the concerned area and top off the engine oil.
6. Install the serpentine belt. Refer to the detailed service procedures listed in DealerCONNECT> Service Library> Service Info under: 07 - Cooling / Accessory Drive / Belt, Serpentine / Installation.
7. Install the air cleaner assembly. Refer to the detailed service procedures listed in DealerCONNECT> Service Library> Service Info under: 09 - Engine, 2.0L / Air Intake System / Body, Air Cleaner / Installation.
8. Check whether the leak has been solved by idling the vehicle for at least 10 minutes (driving the vehicle for at least 10 km (6 mi.) is recommended).
9. Is there still oil leaking from the timing cover?
  - YES>>> Proceed to [Step 10](#).
  - NO>>> This bulletin is complete. Use LOP (09-10-10-98) Timing Cover Fasteners - Tighten.
10. Reseal the timing cover. Refer to the detailed service procedures listed in DealerCONNECT> Service Library> Service Info under: 09 - Engine, 2.0L / Valve Timing / Cover(s), Engine Timing / Removal and Installation.
11. Change the engine oil and filter. Refer to the detailed service procedures listed in DealerCONNECT> Service Library> Service Info under: 09 - Engine, 2.0L / Lubrication / Oil / Standard Procedure.

#### **POLICY:**

Reimbursable within the provisions of the warranty.

*This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.*