

# Technical Service Bulletin



## 01 Engine Crankcase breather Whistling Noise and DTC P227900 warning light ON

01 23 59 2069351/3 June 28, 2023. Supersedes Technical Service Bulletin Group 01 number 23-44 dated February 13, 2023, for reasons listed below.

| Model(s)             | Year        | VIN Range | Vehicle-Specific Equipment |
|----------------------|-------------|-----------|----------------------------|
| A8                   | 2019 – 2022 | All       | Not Applicable             |
| SQ7, SQ8, and RS Q8  | 2020 – 2022 |           |                            |
| S8                   | 2020 – 2021 |           |                            |
| RS 6 Avant, and RS 7 | 2021 - 2022 |           |                            |

## Condition

| REVISION HISTORY |            |  |
|------------------|------------|--|
| Revision         | Date       | Purpose  |
| 3                | -          | Updated <i>Production Solution</i> (Added dates)<br>Revised <i>Warranty</i> (Corrected Labor Operations) |
| 2                | 02/13/2023 | Revised <i>Warranty</i> (Corrected Labor Operations)   |
| 1                | 02/07/2023 | Initial publication  |

### Customer states:

- Exhaust warning light is ON.

AND/OR

- A whistling noise can occasionally be heard from the engine compartment.

### Workshop findings:

The following DTCs may be stored in the engine control module ECM, J623 (address word 0001):

- DTC P227900 Intake Air System (Bank 1).
- DTCs connected to misfires may be present on bank 2.

## Technical Background

Not Applicable.



## Production Solution

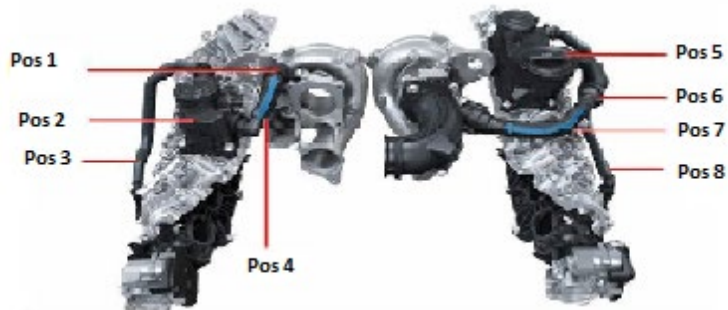
Improved crankcase full load breather line for bank 1 have been implemented in production between the end of Q2 2021 and the start of Q4 2021, depending on engine version. See table below:

| Model     | Engine code | Vehicle production date |
|-----------|-------------|-------------------------|
| A8        | CXYA        | 10/28/2021              |
| S8        | CWWB        | 10/13/2021              |
| SQ7/SQ8   | DCUE        | 08/20/2021              |
| RS Q8     | DHUB        | 08/18/2021              |
| RS 6/RS 7 | DJPB        | 06/24/2021              |

## Service

In this case, replace the full load breather line for cylinder bank 1.

1. Do not replace the oil separator for bank 1 or bank 2 or the part load breather lines.
2. Please refer to image of the crankcase breather from the Self Study Program 920493 as a guide.



Item 1: Non-return valve

Item 2: Oil separator for bank 1

Item 3: Part load breather line

**Item 4: Full load breather line for bank 1 (Replacement required)**

Item 5: Oil separator for bank 2

Item 6: Non-return valve

Item 7: Full load breather line

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Item 8: Part load breather line

## Warranty

|                          |  |           |  |
|--------------------------|--|-----------|--|
| <b>Claim Type:</b>       | <ul style="list-style-type: none"> <li>• 110 up to 48 Months/50,000 Miles.</li> <li>• G10 for CPO Covered Vehicles – Verify Owner.</li> <li>• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li> </ul> |           |  |
| <b>Service Number:</b>   | 1050   |           |  |
| <b>Damage Code:</b>      | 0010   |           |  |
| <b>Labor Operations:</b> | Remove and install engine cover (Only A8 and S8)   | 1083 1900 | See SRT with associated operations             |
|                          | Remove and install heat shield (Only RS 6 and RS 7)  | 2612 1923 | See SRT with associated operations             |
|                          | Remove and install air filter housing (Only SQ7,SQ8 and RS Q8)   | 2425 1923 | See SRT with associated operations             |
|                          | Remove and install crankcase breather hose   | 1052 1999 | Max 20 TU                                      |
| <b>Diagnostic Time:</b>  | GFF – Checking and clearing fault codes included in existing labor operations  | 0150 0000 | Time stated on diagnostic protocol (Max 15 TU) |
|                          | Road test prior to the service procedure   | 0121 0002 | 10 TU  |
|                          | Road test after the service procedure  | 0121 0004 | 10 TU  |
| <b>Claim Comment:</b>    | As per TSB 2069351/3   |           |  |

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

## Required Parts and Tools

| Tool Number | Tool Description |
|-------------|------------------|
|-------------|------------------|



|                   |   |
|-------------------|---|
| VAS 6160/VAS 6150 | VAS tester with the current version of ODIS (Windows 10). |
|-------------------|---|

## Additional Information

All parts and service references provided in this TSB (**2069351**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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