

## Technical product information

<b>Topic</b>	Oil leak from the oil separator/breather connection - Intake manifold whistle - Engine warning lamp illuminated
<b>Market area</b>	Australia E04 Bentley rest Asia and Australia (6E04),China 723 Volkswagen (Anhui) Automotive CO (6723),China 796 VW Import Comp. Ltd (Vico), Beijing (6796),Germany E02 Bentley rest Europe (6E02),Japan E03 Bentley Japan (6E03),Korea, (South) E08 Bentley South Korea (6E08),United Arab Emirates E06 Bentley Middle East and Africa (6E06),United Kingdom E01 Bentley UK (6E01),United States E05 Bentley USA and rest America (6E05)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2066040/3
<b>Level</b>	EH
<b>Status</b>	Approval
<b>Release date</b>	

### Event memory entries

Diagnostic address	Event memory entry	Fault type	Fault status
0001 - Engine electronics	P218700: System too lean at idle, Bank 1		static
0001 - Engine electronics	P21F800: Fuel Control System "B" Too Lean at Idle Bank 1		static
0001 - Engine electronics	P227900: Intake Air System Leak		static
0001 - Engine electronics	P21F400: Fuel Control System "B" Too Lean Off Idle Bank 1		static

### New customer code

Object of complaint	Complaint type	Position
engine -> lubrication system -> engine oil	component / consumables -> too little	
engine -> operation, engine control	visual appeal / surface	
vehicle service -> vehicle diagnosis -> guided fault finding	control units, services -> with event log entry	
engine -> induction system, charging systems, vacuum systems	noise, vibration	

## Vehicle data

### New GT/C - New Flying & Bentley - W12 TSI including Speed

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S31BB	2020	E		*	*	*
3S31BB	2021	E		*	*	*
3S31BB	2022	E		*	*	*
3S31BB	2023	E		*	*	*
3S31BB	2024	E		*	*	*
3S31EB	2021	E		*	*	*
3S31EB	2022	E		*	*	*
3S31EB	2023	E		*	*	*
3S31EB	2024	E		*	*	*
3S41BB	2020	E		*	*	*
3S41BB	2021	E		*	*	*
3S41BB	2022	E		*	*	*
3S41BB	2023	E		*	*	*
3S41BB	2024	E		*	*	*
3S41EB	2021	E		*	*	*
3S41EB	2022	E		*	*	*
3S41EB	2023	E		*	*	*
3S41EB	2024	E		*	*	*
4V14A9	2021	E		*	*	*
4V14A9	2022	E		*	*	*
4V14A9	2023	E		*	*	*
4V14A9	2024	E		*	*	*

4V14G9	2021	E		*	*	*
4V14G9	2022	E		*	*	*
4V14G9	2023	E		*	*	*
4V14G9	2024	E		*	*	*
ZG21BB	2020	E		*	*	*
ZG21BB	2021	E		*	*	*
ZG21BB	2022	E		*	*	*
ZG21BB	2023	E		*	*	*
ZG21BB	2024	E		*	*	*
ZG26BB	2023	E		*	*	*
ZG26BB	2024	E		*	*	*

## Documents

<b>Document name</b>
master.xml



## Customer statement / workshop findings

### Customer statement

- Engine warning lamp illuminated within the DIP

And/or

- Whistling noise(s) from the Inlet manifold

### Workshop findings:

Oil leak between the oil separator tank and the Bank 1 breather line connection (Figure 1)

NOTE: Oil leak detection spray is evident within Figure 1, the use of detection spray in the example shown is used to highlight the location of the leak



Figure 1

### The following DTC's may also be evident in conjunction with the oil leak

- P218700: System too lean at idle, Bank 1
- P21F800: Fuel Control System "B" Too Lean at Idle Bank 1
- P227900: Intake Air System Leak
- P21F400: Fuel Control System "B" Too Lean Off Idle Bank 1

### Technical background

Refer to the Measure section of this TPI

*TIP: The operative must always refer to the applicable Rep.Gr and ETKA parts catalogue*

### Revision history

#### TPI 2066040/2

- Header data changed to include Speed variants

#### TPI 2066040/3

- LOT codes amended
- TPI instructions amended within the Measure section regarding breather assembly replacement depending on the model

Bentayga

Or

New Continental GT/C and New Flying Spur

### Production change

-

## Measure

### Bentayga

#### NOTICE

Due to access being restricted at the lower breather line connection, the operative must raise a technical DISS query ensuring the following is attached:

- Current ODIS log showing all applicable DTC's
- Clear photographs or videos of the oil leak
- The operative must confirm the part number of the breather line assembly

**07P 103 426B**

Or

**07P 103 426D**

- **IMPORTANT:** The operative must await feedback from Product Support before conducting any further work

### New Continental GT/C and New Flying Spur

1) Remove the right hand engine cover - Refer to Rep.Gr 10

- Remove the cooling fan - Refer to Rep.Gr 19
- Disconnect the electrical connector from each ignition coil

**Hint:** Position the ignition coil harness to allow the breather pipe to be removed

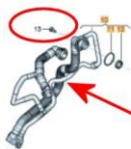
- Remove the right hand charge air cooler hose - Refer to the applicable section of Rep.Gr 21

2) Referring to Figure 2 - Replace the following parts and all associated parts as detailed within the applicable Rep.Gr and the ETKA parts catalogue

- Item 10 - Breather line assembly

Note: Items 11 and 12 are automatically supplied with item 10

- Item 11 - O-Ring
- Item 12 - O-Ring



▶ 10	Breather line			1
11	1 set: round seals Contains: O-ring O-ring		18X2,5 33X2,5	1
12	O-ring		18X2,5	2
		Included in position:	11	

Figure 2



**NOTE: When refitting the new replacement breather line and O-rings, ensure the following:**

- Apply a light coating of clean engine oil to the O-Rings
- The fixings which secure the breather line connection to the oil separator (Figure 2 - Item 13) must be secured to 10Nm

3) Conduct a short road test

4) Check to confirm the oil leak is rectified, In the event the leak has been rectified no further action is required

Or

In the event the leak is still evident the operative should conduct step 5 to completion

5) Referring to Rep.Gr 17 - Replace the oil separator tank (Figure 3) and all associated parts as detailed within the applicable Rep.Gr and the ETKA parts catalogue



**IMPORTANT: The O-Rings which were replaced as part of Step 2 (Figure 2 Items 11 and 12) must renewed, DO NOT reuse the O-Rings regardless of the short time in which they have been fitted**

(1)	oil separator D - 07.06.2021>>	1
2	Securing element Included in position: 1	
3	Seal	1

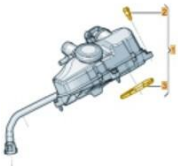


Figure 3

6) Conduct a short road test

- Check to confirm the leak has been rectified, In the event the leak has been rectified no further action is required

Or

In the event the leak is still evident the operative should raise a DISS or respond via an existing query and await feedback before conducting any further work

### Warranty accounting instructions

#### Time to replace the breather line assembly

Warranty Type 110 or 910

Damage Service Number 10 52

Damage Code 00 50

#### New Continental GT/C and New Flying Spur

##### Breather line remove/install

Labour Operation Code 10 52 19 00

Time 10 TU

##### Right hand charge air hose remove/install

Labour Operation Code 21 13 19 02

Time 40 TU

##### Air cleaner remove/install\*

Labour Operation Code 24 25 19 00

Time 20 TU

##### Cooling fan remove/install\*

Labour Operation Code 19 08 19 00

Time 90 TU

\*Air hose remove/install is included in both LOTs therefore 10 TU is deducted from overall time

##### Road test

Labour Operation Code 01 21 00 01

Time 30 TU

#### Bentayga

##### Time to remove and refit the engine and transmission

Labour Operation Code 10 01 19 00

Time 1470 TU

##### Time to remove and refit the bank 1 turbocharger

Labour Operation Code 21 30 19 50

Time 90 TU

##### Breather line remove/install

Labour Operation Code 10 52 19 53 (Use 99 index until 14/12/23)

Time 10 TU

### **Alignment of applicable driver assist systems (Depending on vehicle specification)**

- Vehicle front + rear measured wheel alignment checked - 44 95 03 00 - 110 TU
- Rear wheel camber adjust - 44 94 15 50 - 30 TU
- Rear wheel track adjust - 44 93 15 50 - 30 TU
- Front wheel camber adjust - 44 89 15 50 - 40 TU
- Front wheel track adjust - 44 88 15 50 - 20 TU
- (ACC) - Radar sensor checked + adjusted - 91 63 05 51 - 30 TU
- Overhead view camera adjusted - 90 83 15 00 - 40 TU
- Driver assist camera adjusted - 96 38 15 50 - 120 TU
- Control unit for (Lane change assist) adjusted - 96 35 15 00 - 50 TU
- Night vision system calibration - 90 80 15 50 - 40 TU
- Headlamps to adjust - 94 15 16 00 - 20 TU

### **Road test**

Labour Operation Code 01 21 00 01

Time 30 TU

### **Time to replace the oil separator tank**

Warranty Type 110 or 910

Damage Service Number 10 55

Damage Code 00 50

### **New Continental GT/C**

Labour Operation Code 10 55 19 00

Time 100 TU

### **New Flying Spur**

Labour Operation Code 10 55 19 00

Time 110 TU

### **Bentayga**

Labour Operation Code 10 55 19 00

Time 60 TU

### ***Road test (all models)***

**Note: The second road test must only be claimed in the event the oil separator tank was replaced**

Labour Operation Code 01 21 00 01

Time 30 TU

### **Parts information**

Refer to the ETKA parts catalogue

#### **NOTICE**

The Rep.Gr procedures which are required to be followed when conducting this TPI contain single use items, the operative must ensure all parts are available before starting any work