

Technical product information

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|------------------------|--|
| Topic | Emission control system lamp illuminated - DTC P044100 evident |
| Market area | Bentley: worldwide (2WBE),Hongkong-Macau (5HK) |
| Brand | Bentley |
| Transaction No. | 2053429/4 |
| Level | EH |
| Status | Approval |
| Release date | |

Event memory entries

| Diagnostic address | Event memory entry | Fault type | Fault status |
|-----------------------------|---|------------|--------------|
| 0001 - Engine electronics | P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow | | Intermittent |
| 0001 - Engine electronics | P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow | | static |
| 0011 - Engine Electronics 2 | P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow | | Intermittent |
| 0011 - Engine Electronics 2 | P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow | | static |

New customer code

| Object of complaint | Complaint type | Position |
|--|---|----------|
| engine -> engine operation | functionality | |
| engine -> emission control | control units, services | |
| engine -> performance control | functionality | |
| engine -> start/stop system | functionality | |
| vehicle service -> vehicle diagnosis -> guided fault finding | control units, services -> with event log entry | |
| engine -> operation, engine control | functionality | |
| engine -> operation, engine control | control units, services | |

Vehicle data

New Continental GT/C Bentayga, New Flying Spur W12

Sales types

| Type | MY | Brand | Designation | Engine code | Gearbox code | Final drive code |
|--------|------|-------|-------------|-------------|--------------|------------------|
| 3S31BB | 2018 | E | | * | * | * |
| 3S31BB | 2019 | E | | * | * | * |
| 3S31BB | 2020 | E | | * | * | * |
| 3S31BB | 2021 | E | | * | * | * |
| 3S31BB | 2022 | E | | * | * | * |
| 4V14A9 | 2017 | E | | * | * | * |
| 4V14A9 | 2018 | E | | * | * | * |
| 4V14A9 | 2019 | E | | * | * | * |
| 4V14A9 | 2020 | E | | * | * | * |
| 4V14A9 | 2021 | E | | * | * | * |
| 4V14A9 | 2022 | E | | * | * | * |
| 4V14G9 | 2020 | E | | * | * | * |
| 4V14G9 | 2021 | E | | * | * | * |
| 4V14G9 | 2022 | E | | * | * | * |
| ZG21BB | 2020 | E | | * | * | * |
| ZG21BB | 2021 | E | | * | * | * |
| ZG21BB | 2022 | E | | * | * | * |

Documents

| |
|----------------------|
| Document name |
| master.xml |

Customer statement / workshop findings

Emission control system warning lamp illuminated (Figure 1) within the Driver Information Panel (DIP) in conjunction with DTC - P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow - logged within one or both engine control modules



Figure 1

Technical background

Should DTC P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow be evident (static or intermittent) within one or both Engine control modules please refer to the instructions within the Measure section of this TPI

Production change

Not applicable

Measure

- 1) Carry out a full GFF sweep of All control modules ensuring the diagnostic log is saved online
- 2) Referring to Repair manual Rep.Gr 20, the operative should familiarise themselves with the location and routing of the twin purge line assembly

NOTE: The evaporative emission purge valves and supply lines are connected to both banks of the engine

- 3) Carry out a visual check of the purge line assembly for the following potential issues:

- Incorrect routing
- Kinks
- Loose connections at the point the line is fitted/connected to the engine
- Damage at the point the line is fitted/connected to the engine

- 4) If no issues are found as described in Step 3 - Clear all DTC's and attempt to replicate the issue reported by the customer ensuring the same drive cycle in which the issue was reported is followed

NOTE: In the event the fault cannot be replicated please raise a DISS query ensuring the diagnostic log is attached online including the purge line DTC's and await feedback prior to starting any repair work

Should an issue be evident and the fault can be replicated proceed with Step 5, pay attention to any debris/contamination falling from the ends of the line during disconnection

- 5) Replace the evaporative emission purge valve assembly (Figure 1) - Refer to repair manual Rep.Gr 20 - Evaporative emission purge valve - To remove and fit - pay attention to any debris/contamination falling from the ends of the line during disconnection, If contamination is found in the ends of the line or the engine ports please raise a DISS query

Within the Repair manual procedure there are single use items which must be replaced and not reused. Ensure that new replacements are available prior to starting this procedure – Refer to Elsa pro and ETKA parts catalogue

NOTE: The solenoid valves are connected together with a hose, and have to be replaced as a unit as these solenoid valves and hoses are not supplied separately

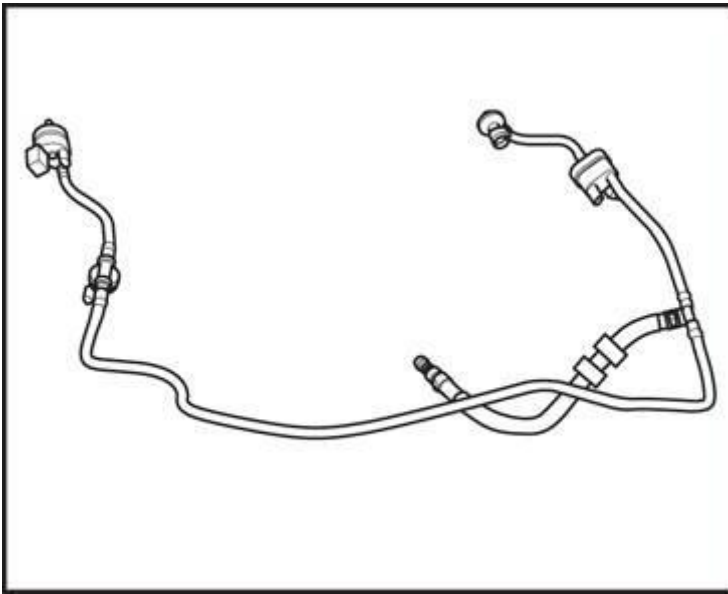


Figure 1

IMPORTANT: Please ensure the openings of the purge line assembly are fully sealed prior to returning back to Bentley Motors (Use the bungs which were fitted to new assembly for this purpose)

The Original part to be returned referencing the applicable DISS query number using the warranty returns process

[Warranty accounting instructions](#)

Evaporative emission purge valve assembly replacement

| | |
|-----------------------|----------------|
| Warranty type | 110 or 910 |
| Labour Operation Code | 20221900 |
| Damage Service Number | 2022 |
| Damage Code | 0010 |
| Time | 140 Time units |

[Parts information](#)

Refer to the ETKA parts catalogue