

# Technical Service Bulletin

<b>Topic</b>	Emission control system lamp illuminated - DTC P044100 evident
<b>Market area</b>	Bentley: worldwide (2WBE), Hongkong-Macau (5HK)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2053429/3
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	Jun 4, 2019

## Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0001 - Engine Control Module 1	P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow		Intermittent
0001 - Engine Control Module 1	P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow		static
0011 - Engine Control Module 2	P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow		Intermittent
0011 - Engine Control Module 2	P044100: EVAP Emission Contr.Sys.Incorrect Purge Flow		static

## New customer code

Object of complaint	Complaint type	Position
engine -> engine operation	functionality	
engine -> emissions control	control modules, services	
engine -> power output control	functionality	
engine -> Start/Stop system	functionality	
vehicle service -> vehicle diagnosis -> Guided Fault Finding (GFF)	control modules, services -> with fault stored in the DTC memory	
engine -> operation, engine control	functionality	
engine -> operation, engine control	control modules, services	

## Vehicle data

### New Continental GT - New Continental GTC and Bentayga W12

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	E		*	*	*
3S3*	2019	E		*	*	*
3S3*	2020	E		*	*	*
3S4*	2019	E		*	*	*
3S4*	2020	E		*	*	*
4V14A9	2017	E		*	*	*
4V14A9	2018	E		*	*	*
4V14A9	2019	E		*	*	*
4V14A9	2020	E		*	*	*

## Documents

Document name
<a href="#">master.xml</a>

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## Condition

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 Solution

Not applicable

## Service

- 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

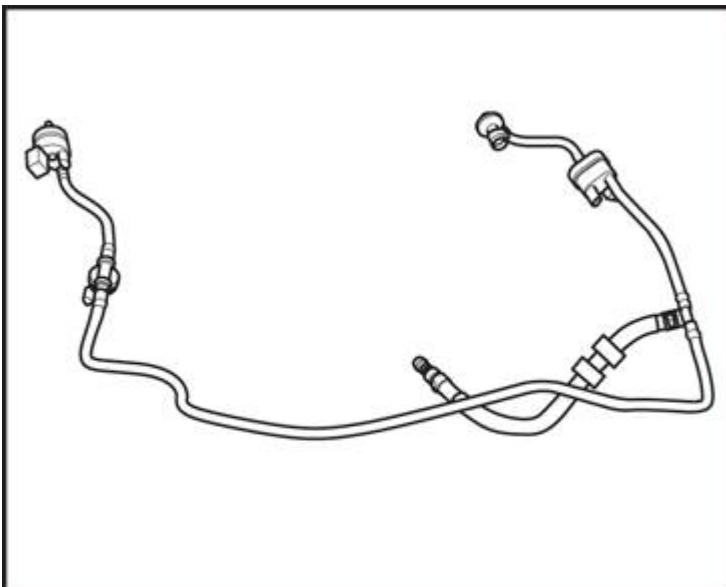


Figure 1

**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**

### **Evaporative emission purge valve assembly replacement**

Warranty type	110 or 910
Labour Operation Code	20 22 19 00
Damage Service Number	20 22
Damage Code	00 10
Time	140 Time units

*NOTE: For New Continental GTC use 20 22 19 99 until 11.04.2019*

## **Required Parts and Tools**

Refer to the ETKA parts catalogue