

# Technical Service Bulletin

<b>Topic</b>	Emission control warning displayed - (DTC) P227900 - Intake air leak
<b>Market area</b>	Bentley: worldwide (2WBE), Hongkong-Macau (5HK)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2051205/2
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	May 20, 2019

## New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> malfunction display symbols -> emissions control system malfunction display	functionality -> activates	
engine -> engine operation -> engine output characteristic -> engine output	dimensional accuracy -> too low	

## New workshop code

Object of complaint	Complaint type	Position
engine -> intake system, compressor systems, vacuum system -> charge air regulation control line	leaks -> not watertight	
engine -> intake system, compressor systems, vacuum system -> turbocharger -> charge air regulation actuator	leaks -> not watertight	

# Vehicle data

## Bentayga W12

### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14*	2017	E		DDBB	QTZ	QUS
4V14*	2017	E		DDBB	SHT	QUS
4V14*	2018	E		DDBB	SHT	QUS
4V14*	2018	E		DDBB	QTZ	QUS
4V14*	2019	E		DDBB	SHT	QUS
4V14*	2019	E		DDBB	QTZ	QUS
4V14*	2020	E		DDBB	SHT	QUS
4V14*	2020	E		DDBB	QTZ	QUS
4V14A9	2017	E	SUV BY636 447/W128AG	DDBB	RGQ	QUS
4V14A9	2017	E	SUV BY636 447/W128AG	DDBB	SHT	QUS
4V14A9	2017	E	SUV BY636 447/W128AG	DDBB	QTZ	QUS
4V14A9	2018	E	SUV BY636 447/W128AG	DDBB	SHT	QUS
4V14A9	2018	E	SUV BY636 447/W128AG	DDBB	QTZ	QUS
4V14A9	2018	E	SUV BY636 447/W128AG	DDBB	RGQ	QUS

# Documents

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

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## Condition



Emission control warning illuminated/engine power deficient

## Technical Background

## Production Solution

## Service

In the event that the above customer concern is reported and Diagnostic Trouble Code (DTC) P227900 Intake air system leak is recorded in the engine control module, then there are two known issues that should be considered as part of your investigation and fault rectification.



Figure 1

1. Split vacuum hose onto the waste-gate (see Figure 1), confirmed with visual inspection or smoke test. Replace the failed pipe to resolve the issue
2. Failed waste-gate diaphragm, the use of a Mityvac is recommended to confirm the presence of an internal leak in the turbocharger waste-gate or smoke test. Once confirmed the turbo charger assembly must be replaced

## Required Parts and Tools

Part numbers must be sourced using VIN FI search in ETKA

The required replacement parts should be ordered from Bentley Motors Limited Crewe or through your regional Bentley parts distribution centre