

Technical Service Bulletin

Topic	W12 - Oil leak from engine
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2053350/2
Level	EH
Status	Released for publishing
Release date	May 17, 2019

New customer code

Object of complaint	Complaint type	Position
entire vehicle -> vehicle areas -> engine compartment	leaks -> oil leaking	

Vehicle data

New Continental GT

Sales types

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

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*
4V1*	2018	E		*	*	*
4V1*	2019	E		*	*	*
4V1*	2020	E		*	*	*

Documents

Document name
master.xml

Condition

Oil leak from engine area.

Technical Background

The breather return line and the oil dipstick tube O-rings can split causing an external oil leak.

This can be misdiagnosed as the engine sump leaking.



Production Solution

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Service

If an engine oil leak is found from the area shown in Figure 1, check the O-rings of both the breather return line and the dipstick tube for leakage. The oil can run down the engine and settle on the sump leading to misdiagnosis, Figure 1.

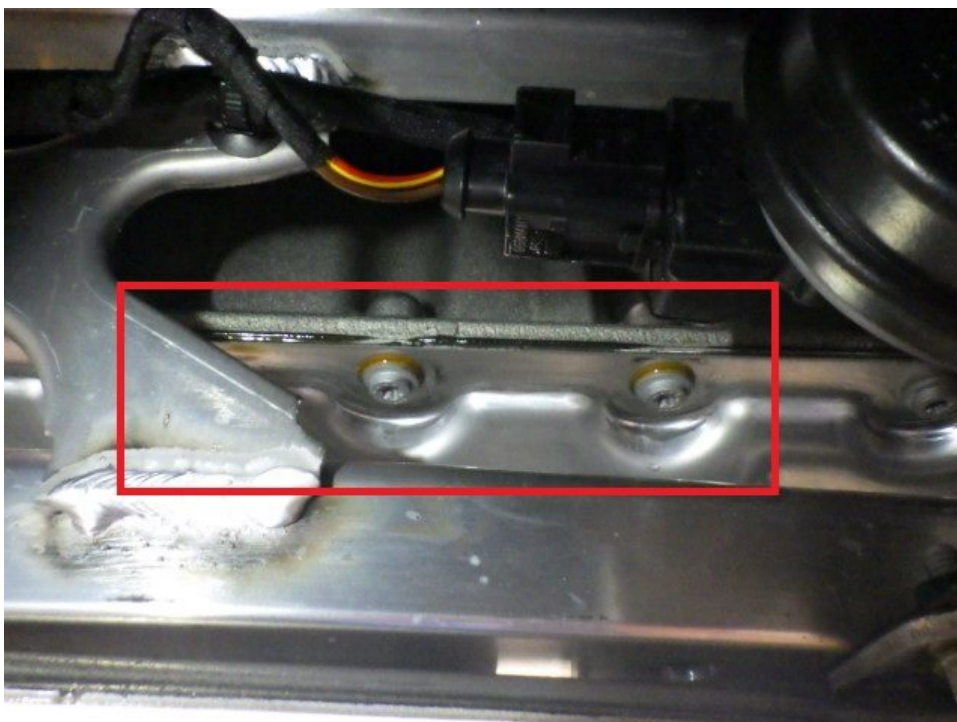


Figure 1

1. Firstly check the breather return line for signs an oil leak in area highlighted in Figure 2. Should a leak be evident, remove the tube and check the O-ring for damage.

Power unit → Engine lubrication → 6.0 L W12 TSI → Oil breather system return line – To remove and fit

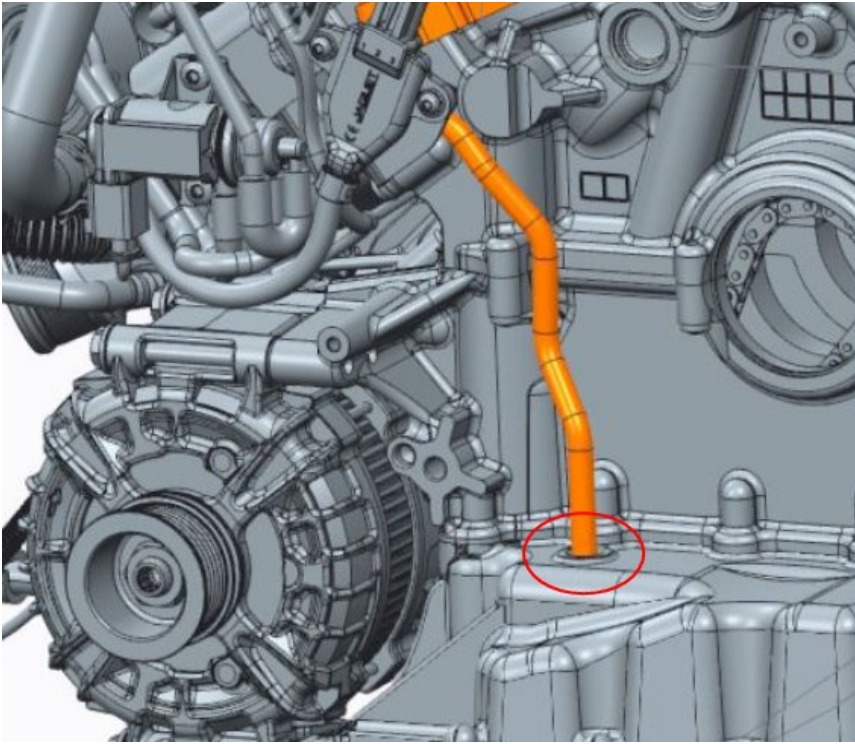


Figure 2

2. Check the dipstick tube for signs of an oil leak in area highlighted in Figure 3. Should a leak be evident, remove the dipstick tube and check the O-ring for damage.

Power unit → Engine lubrication → 6.0 L W12 TSI → Assembly dipstick and tube – To remove and fit

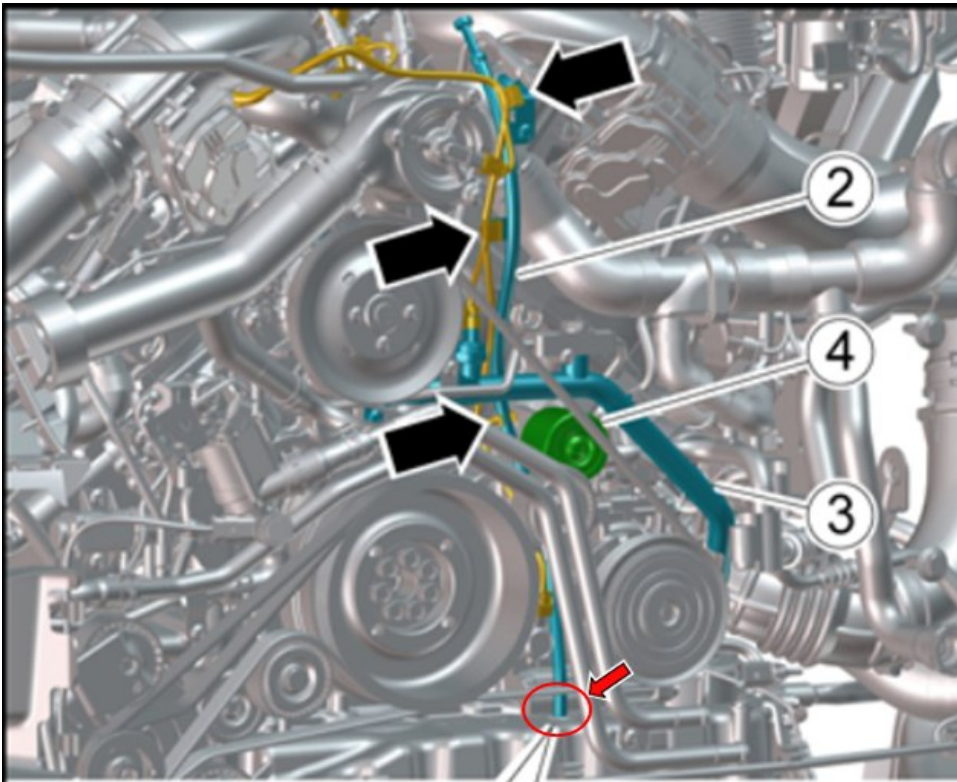


Figure 3

Should either of the O-rings be damaged or leaking replace according to ETKA.