

Technical product information

Topic	W12 Engine oil leaks
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2050914/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
engine -> lubrication system	leaks	

New workshop code

Object of complaint	Complaint type	Position
engine -> lubrication system -> engine oil	leaks -> loss	

Vehicle data

W12 Bentayga

Sales types

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

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SJA	***	**	*	*	*	011144	018760		

Documents

Document name
master.xml

Customer statement / workshop findings

Engine oil leak

Technical background

A number of oil seals, part number 07P109091C, have been produced with a flaw. When this flaw is present an oil leak may result.

Production change

Seal moulding process improvement

Measure

In the event of an engine oil leak being identified in the areas detailed below then seal replacement is recommended.

Only replace the seals in the component that is leaking i.e. if one camshaft control solenoid seal in Bank one camshaft cover is leaking then replace both camshaft solenoid seals in the Bank one camshaft cover.

If one rear timing chain cover seal is leaking replace both seals in that timing chain cover.

Seal leak 1



Figure 1

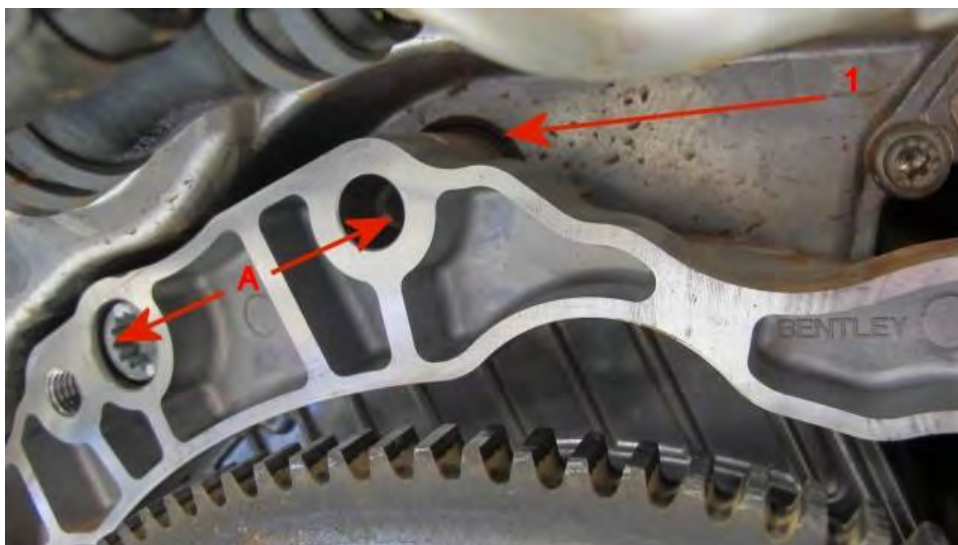


Figure 1a

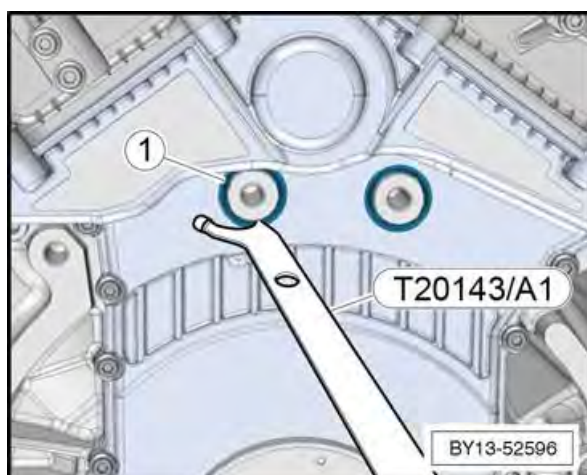


Figure 1b

Leak Figure 1: Engine oil present at interface of engine and transmission. The leak may be emanating from one or both of the oil seals part number 07P109091C located in the main timing chain cover, these two seals (item 1 figure 1, 1a and 1b) are located in the top of the timing chain cover through which the upper two gearbox to crankcase securing bolts pass into the crankcase via the adaptor plate and timing chain cover.

Reference the workshop manual for remove and fit of Engine and Gearbox Rep.Gr.10 and Rep.Gr.37 then to replace the timing chain cover seals reference Rep.Gr.13

Seal leak 2



Figure 2



Figure 2a



Figure 2b

Leak Figure 2: Engine oil present on camshaft cover adjacent to camshaft control solenoid. The leak is likely to be emanating from oil seal part number 07P109091C located in the camshaft cover through which the camshaft control solenoid protrudes

Reference the workshop manual for remove and fit procedures to replace this seal: Rep. Gr.15 for camshaft cover and control solenoid seals.

Parts information

Part number	Description	Quantity
07P109091C	Seal	1 - 6