

Service replacement of engine rocker cover gasket

Applicable to

All Rolls-Royce and Bentley Motor Cars fitted with the V8 engine from Rolls-Royce Silver Cloud II and Bentley S2 onwards.

Introduction

The purpose of this Product Support Information Sheet is to inform service personnel of a new type of rocker cover gasket made from silicon rubber, which is now available for the above vehicles.

Description

A new design rocker cover gasket is now available for all cars fitted with a V8 engine. The gasket is made of black silicon rubber and replaces the original cork gasket.

The ferrule and rubber bush have been replaced with a new bonded silicon rubber isolator.

New distance pieces have been added to control the amount of compression of the gasket when assembled to the cylinder head. The distance pieces (3 per head) are fitted over the studs which are used to secure the rocker cover in position.

All the new parts must be used together to achieve the optimum performance for sealing the rocker cover to the cylinder head. No special tools or modifications are required to any of the existing parts or surfaces other than to make sure that they are clean and free of debris.

Procedure.

- 1. With the rocker cover removed from the cylinder head, remove the cork gasket and earthing strips and discard.
- 2. Remove the ferrules and rubber bushes from the rocker cover and discard.
- 3. Remove any debris and thoroughly clean the gasket groove on the rocker cover and the mating face on the cylinder head with a suitable cleaning solvent.
- 4. Using Loctite 406 assemble new gasket to rocker cover groove, allowing time to cure.
- 5. Assemble the 3 bonded isolators to the fixing holes on rocker cover.
- 6. Place the 3 distance pieces over the 3 cylinder head studs.
- 7. Assemble rocker cover to cylinder head.
- 8. Fit the 3 cap nuts through bonded isolator and tighten uniformly.
- 9. Torque tighten cap nuts 8-10 lbs ft.

Note:

The cap nuts should make a solid joint with the spacers so that the designed compression of the gasket is achieved.

Parts affected

New part No.	Displaced part No.	Description	Quantity
UV 11306PA	UE 4324	Gasket	2
	UE 6570	Ferrule	6
UV 11306pa		Bonded isolator	6
	UE 42838	Rubber bush	6
UV 11307PA		Distance piece	6
G2/153		Loctite 406	
	UE 34258	Earthing strip	8