

REAR AXLE

CATEGORY 3A

REAR AXLE OIL LEAKS

Complaints of oil leaks from the rear axle casing, which may be attributed to an ineffective oil seal, may in actual fact be caused by oil leaking past the L/H oil seal housing flange and adjusting washer mating face.

Discolouring of the L/H axle tube just below the oil drain hole will give an indication of oil leakage caused by either incomplete mating of these surfaces, or an ineffective seal.

Oil seal housings are now available with a rotary ground finished surface, which ensures a more complete area of contact between the mating faces. Previous housings were radial ground and may be identified by a series of radial markings around the flange outer face.

The oil seal housings are readily available, and only when delay in obtaining this part is inevitable due to transport difficulties, is it advised that to ensure a good mating surface, the radial markings are polished out. Where rotary grinding facilities are not available, the housing flange may be either stone ground, or rubbed down on a fine sheet of emery cloth placed on a surface plate. Before proceeding, measure the flange thickness to ascertain whether the housing will still be within the required limits (.060"-.070") after re-facing.

To facilitate easy removal of the serrated locking ring which holds the oil seal housing in position, the car should be run over a pit or ramp so that with the L/H axle shaft and axle tube removed, longer leverage to the serrated locking ring spanner may be applied if required.

It is essential that the oil seal is renewed whenever the oil seal housing is removed.

Time allowance 12 hours.

<u>Material</u>	<u>Part Number</u>	<u>No.Off</u>
Oil Seal Housing	UG.518	1
Oil Seal	RG.4264	1

-2-

Applicable to:

Rolls-Royce Silver Cloud

Bentley 'S' Type

Bentley 'S' Type Continental