

#### Limora Zentrallager

Industriepark Nord 21 D-53567 Buchholz Tel: +49 (o) 2683-97990 E-Mail: Limora@Limora.com Internet: www.Limora.com

- Aachen Berlin Bielefeld
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# Oil seal conversion kit for Austin Healey BN1 & BN2 (Part no. 327924)

#### Please Read fitting instructions Carefully Before Starting

Description: The oil seal housing is mounted at the rear of the block between the rear main bearing housing and the flywheel mounting flange on the crankshaft.

- Remove crankshaft.
- 2. Machine the area of the scroll on the back of the crank down to the size of 2.500", leaving as larger radius in corner as possible.
- Unbolt and remove the scroll housing off the rear face of the block.
- Machine the scroll housing of the main bearing cap to be flush with the back plate face of the block.

# NOTE: This need not necessarily be flush with the flat position of the cap.

- If your main cap has only one oil drain hole, it is recommended that you also drill an extra hole in the cap as per the later engines. This is done as number 6.
- 6. After completing the last machine operation (no. 4), place the rounded half of the new seal housing onto the cap, then scribe around the cut out and mark the cap. A 3/8" dia hole at 33° should then be drilled on the centre of this scribed mark, making sure not to get too close to the bearing face (1/8" minimum). See Drawing.

# Engine paint

Synthetic engine enamel in original colours, 1 litre.



#### Workshop Manual Austin Healey BN1, BN2, English, 300 pages.

Part no.: 202222

Oil filter

paper-element

Part no.: 1008



8. Position crankshaft so that the flywheel mounting holes are forming a horizontal box configuration, i.e and jam the

7. Refit the crankshaft and main bearing caps.

9. Using screwed drilling bush (supplied) in each of the flywheel mounting bolt holes drill 4.2 mm dia. x 10 mm deep and tap M<sub>5</sub> x o.8mm deep (4 positions).

### NOTE: Lubricate drilling bush before drilling through it.

- 10. Open split seal over crankshaft with seal internal groove towords bearing cap. Seal must be lubricated with grease
- 11. Mount spring by clipping together and rolling into seal groove, ensuring that the eyelets are 45° from seal split
- 12. Position seal split line at 12 o´clock with block upright.
- 13. Lightly smear SILICONE instand gasket on reverse side of housing (NOT HYLOMAR). Position housings over seal within the step of the housings.
- 14. Position charnfered housing to the bottom of the block and lightly screw of using the M5 x 12 mm allen screws supplied.
- 15. Screw the 2 off M5 x 40mm long socket head cap screws together and finally tighten M5 x 12 mm screws.
- 16. Replace backplate ensuring clearance around backplate oil seal housing.

# Parts catalogue Austin Healey

BN1-BJ8, 600 pages, Din A4 Part no.: 293127



## **Engine oil**

HPR30 - 5 litre. SAE20W/60 oil, also replacement for following oils: SAE30 and 20W/50.

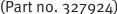


# Oil drain pan

16l volume, antisplashoilchange.

Part no.: 293584





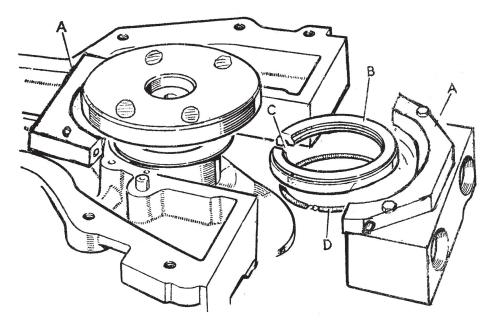


Fig 1. Retainer halves, oil seal and garter spring

- A Retainer halves
- B Split oil seal
- C Split line of seal towards top of engine
- D Garter spring, hook and eye midway between split and hinge of oil seal

