

Burman BAP Gearbox: Gear change shaft Oil Seal

An OVR contribution from Bernhard Kurschel, Austria.

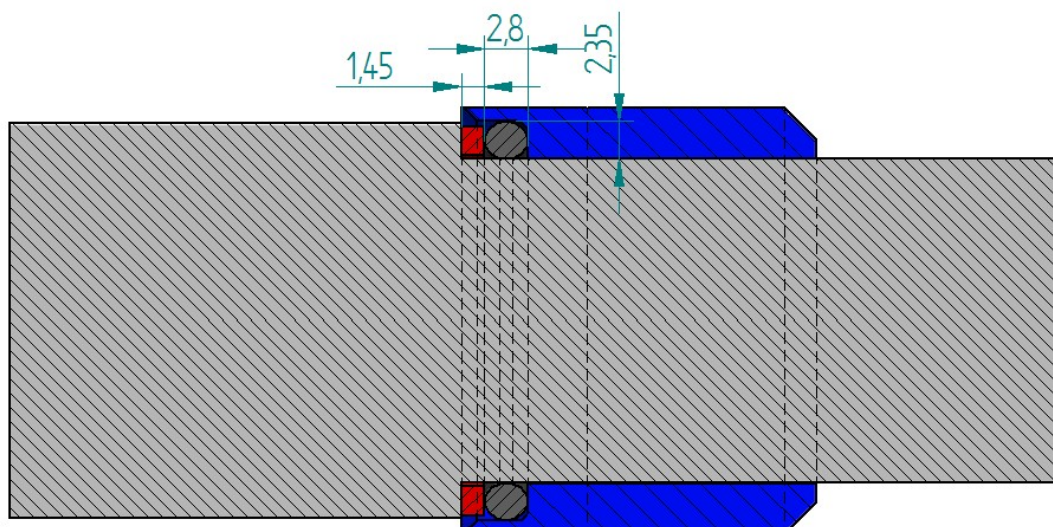
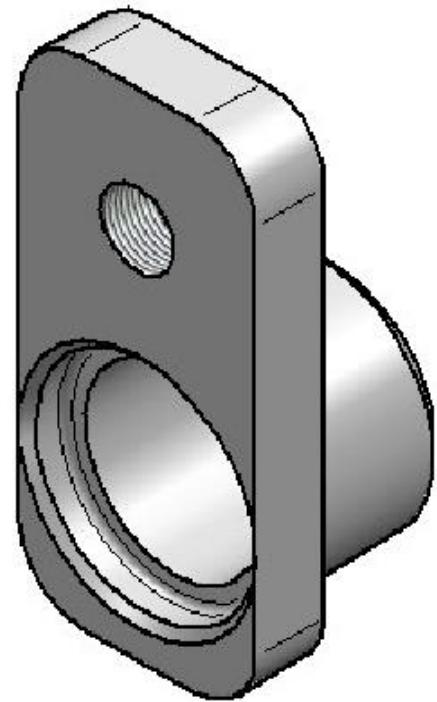
Are you bothered/frustrated by that constant greasy leak from the gear change shaft on your Burman gearbox? Well this modification may provide some relief.

Machine the gear change shaft carrier as shown in the diagram. You need to create a pocket of 25.3mm diameter and 4.2mm deep into which you insert a 21mm x 2.5 mm Nitrile/NBR 'O' ring sealing rubber. You will also need a metal OR fibre seating washer of 24.7 mm outside diameter x 21mm ID x 1.45mm thick that goes between the shoulder on the shaft and the 'O' ring.

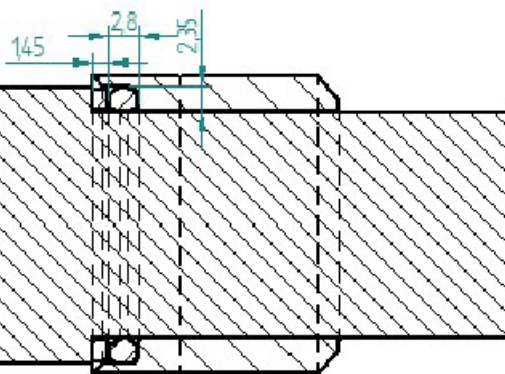
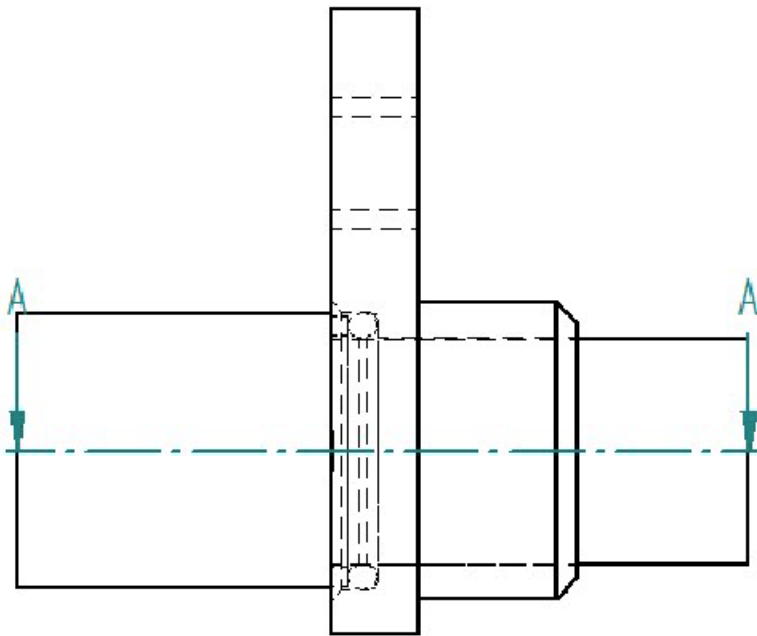
First insert the 1.45mm thick washer onto the shaft , next the 25mm x 2.5 mm 'O' ring goes onto the shaft and finally insert the shaft assembly into the carrier so avoiding damage from the spline.

Prior to final assembly, it is essential to lubricate the outside of the gear change shaft (and the inside of the shaft carrier) with a Molycoat style of grease.

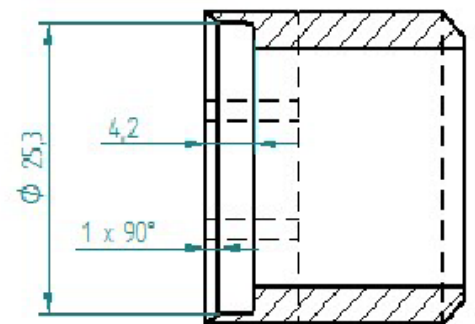
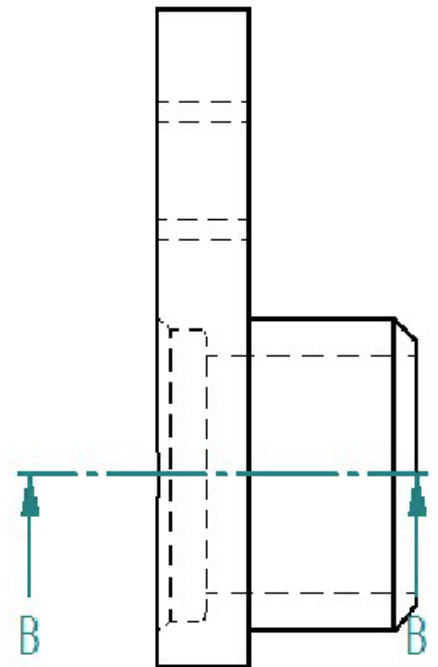
When fitting the assembly to the gearbox case put some sealant, such as Hylomar or Loctite 510 or 518, between the shaft carrier and the gearbox case.



Schnitt A-A



Schnitt A-A



Schnitt B-B