

Using lubricants with clutch release bearings

When lubricating the clutch components during a new clutch installation it is important to recognise which clutch release bearing housings/sleeves require lubrication and which do not. There are currently four main types of clutch release bearings that are widely used by vehicle manufacturers:

- 1) Clutch release bearings with a plastic housing/sleeve
- 2) Clutch release bearings with a metal housing/sleeve
- 3) Clutch release bearings with a nickel plated housing sleeve
- 4) Clutch release bearings with a PTE (PolyTetrafluoroEthylene) housing/sleeve

It is not necessary to lubricate all of these release bearing housings/sleeves. **Only bearings with a metal housing/sleeve should have grease applied to it. Release bearings with a plastic, nickel and PTE housing/sleeve must not have grease applied to it.**

Due to the gearbox's location and environment, it is of vital importance to use the correct type of grease. To combat the temperatures inside the gearbox, the grease that should be used should be high pressure, high temperature grease that will maintain its consistency during operation. In the majority of Valeo clutch kits a sachet of grease is supplied that has been specifically designed to work in these conditions. Where a sachet of grease isn't supplied, grease such as a BR2 type grease should be used. Valeo highly recommend that a copper based grease, like copper slip, isn't used as it has a low viscosity and low melting temperatures.



Plastic housing/sleeve



Metal housing/sleeve



Nickel plated housing/sleeve



PTE housing/sleeve

