

| Clutch

| Grease
Contamination

Grease Contamination

The Valeo Service Warranty Department receive a number of returned clutches with issues of juddering or slipping of the clutch.

After inspecting the returned parts, there is clear evidence of too much or incorrectly applied grease which has radiated from the drive plate hub from centrifugal force and coated the friction surface.

Once the grease has come into contact with the friction surface, the coefficient of friction of the drive plate is reduced so it can no longer transmit all of the engine torque resulting in the effect of juddering or slipping.



To reduce the chance of this effect, always use the correct, high temperature grease suitable for use in clutch environments. Copper based grease is unsuitable for use due to its low viscosity.

When applying grease during clutch fitment, coat the gearbox input shaft with the correct grease then wipe the excess off leaving only a thin film. Too much grease when the input shaft is rotating at engine speed will force the grease outwards onto the clutch drive plate and pressure plate and cause juddering or slipping.

DO NOT APPLY GREASE DIRECTLY TO THE SPLINES ON THE DRIVE PLATE HUB. The grease will be pushed out from the splines during installation of the input shaft and allow it to accumulate on the outside of the hub.