

| Clutch

| 4P Kit

| Recommendation

| All Vehicle

## Excess of grease during 4P Kit fitting

Valeo Service Warranty Department received a high number of 4P Kit contaminated by an excess of grease.

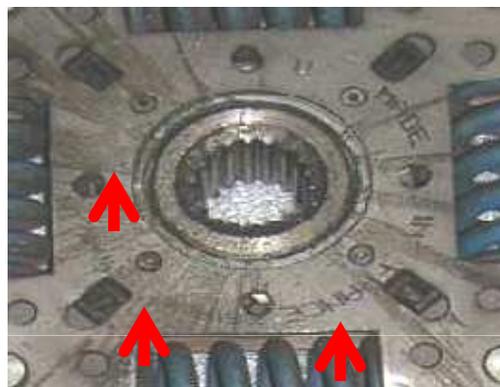
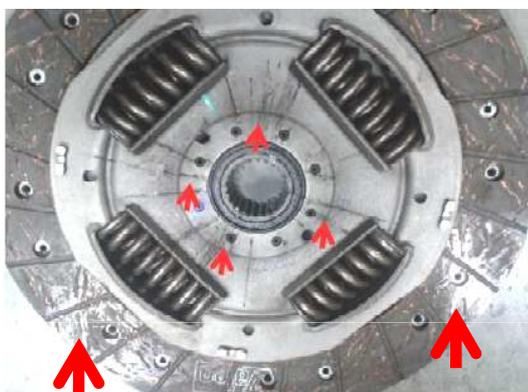
### Risk of a grease contamination

Valeo studied and tested the grease supplied in the kit 4P in order to resist to high temperatures. Furthermore, the exact quantity to be used is supplied not to contaminate the clutch's friction .



*Grease supplied by Valeo*

Unadapted grease is going to liquefy at high temperature and to contaminate the friction of the clutch. An excess of grease will contaminate the friction material. This contamination is going to degrade the hysteresis of the product and risks to provoke noise during the re-engaging (juddering, sliding or a problem of gear shifting).



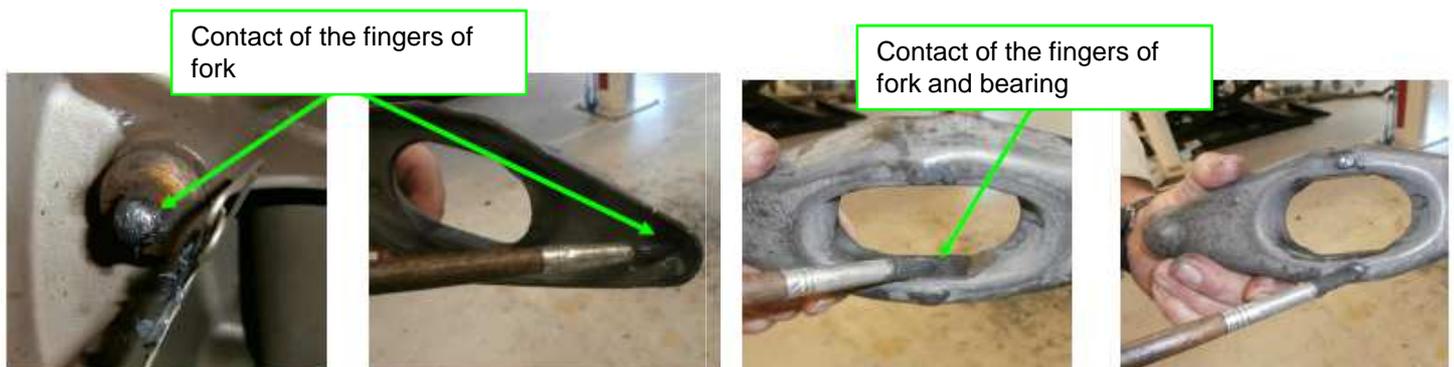
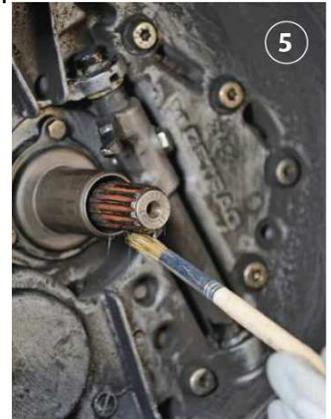
*Example of friction material contaminated by grease*



## Valeo Recommendations

To use well the grease's berlingo, Valeo recommends you to follow the following steps:

- 1) Apply the grease with a brush on the guide tube
- 2) Put the bearing on the guide tube, make it slide to spread the grease and then remove it. Clean the excess of grease with a not fluffy cloth
- 3) Apply the grease with a brush on the spline of crankshaft.
- 4) Slide several times the hub of friction material to spread the grease.
- 5) Remove the friction material and clean the excess of grease with a not fluffy cloth.  
(The best is to do this operation with the old friction material)
- 6) Apply a point of grease on contact surfaces:  
Grease contact points between the release bearing and the fork of clutch



### VALEO advice:

- Use only the grease supplied with your Kit 4P
- Clean the excess of grease on the bearing and the friction of clutch

### Warning:

- Never put grease on the fingers of diaphragms  
(contact point with ball bearing)

