

## The Problem

Valeo Service UK Ltd Warranty Department see a high level of pull type clutches being returned with a common reason being reported. The fault described as unsmooth pedal action and heavy pedal feel with loss of adjustment is not attributable to the clutch. Inspection of the returned clutches have not found any faults or manufacturing defects. The fault lies with the clutch release mechanisms associated parts, including worn gearbox cross shaft bushes and heavily scored guide tubes.

The release mechanism is easily overlooked and not thoroughly checked which can lead to misdiagnosis of the clutch fault. When the transmission assembly has been removed and the cross shaft is checked for free movement, it can appear to be sufficiently free moving.

This is due to the release mechanism not being under load, which does not highlight any wear in the cross shaft bushes.

## The Cure

The problem will re-occur after fitment of a new clutch if the worn parts of the release mechanism are not replaced. A close visual inspection of the guide tube will be necessary to identify if a replacement guide tube is required.

*Image 1 shows a typically worn guide tube requiring replacement.*



Image 1

*Wear and scoring to guide tube.*

**NOTE:-** It is recommended that the cross shaft bushes are replaced on fitment of a new clutch, and the arm is also replaced if wear to the shaft is evident.

*Image 2 shows the cross shaft mounted in position in the gearbox. It is essential the cross shaft is removed to inspect the condition of the shaft and its pivot bushes. The pin securing the release arm to the cross shaft will have to be removed.*

*Remove the release arm and draw the cross shaft upwards until the shaft is clear of the bottom bush. Slide the cross shaft out of the top bush and withdraw the arm from inside the gearbox.*

*Prise out the bushes and renew. Check the cross shaft for excessive wear, and renew if required (image 3). The bushes are self lubricating but a small smear of disulphide grease supplied with the clutch can be applied. Re-fitment is the reversal of removal.*

Image 2



Image 3

**T.S.B. No.:**  
CL005 / 08

**PRODUCT:**  
Clutch

**MARQUE:**  
Peugeot/Citroen/Fiat

**MODEL:**

**PART No.:**  
All Pull Type Clutch  
e.g. 826323

**SUBJECT:**  
Heavy Pedal/Sticking  
Release Mechanism

**DATE:**  
March 2008