

Remove the toolFlywheel locking tool.([Mot. 1431](#)) .

3. FINAL OPERATION

Proceed in the reverse order to removal.



Repair-10x03x03x06-01x37-1-79-1.xml



XSL version : 3.02 du 22/07/11

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FORK SHAFT RING: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

DC4 gearbox internal renovation kit

Bvi. 1956

DC4 gearbox internal renovation

RSM. 9306

Equipment required

roll pin punch



parts always to be replaced:



Fork shaft bearing

WARNING



■ To avoid all risk of damage to the systems, apply the safety and cleanliness instructions and operation recommendations before carrying out any repair:

- [\(see 23A, Automatic gearbox, Automatic gearbox: Precautions for the repair\)](#) ,
- [Vehicle: Precautions for the repair](#) (01D, Mechanical introduction).

REMOVAL

1. REMOVAL PREPARATION OPERATION

1- FORK SHAFT AND PARKING BRAKE RINGS OF THE MECHANISM HOUSING:



Remove:



the automatic gearbox [Automatic gearbox: Removal - Refitting](#) ,



the automatic gearbox wiring [Automatic gearbox wiring: Removal - Refitting](#) ,



the speed sensors [Speed sensor: Removal - Refitting](#) ,

the gear engaged sensor [Gear engaged sensor: Removal - Refitting](#) ,

the automatic transmission computer [Automatic gearbox computer : Removal - Refitting](#) ,

the mechanism housing [\(see 23A, Automatic gearbox , Mechanism housing: Removal - Refitting\)](#) .

2- FORK SHAFT AND PARKING BRAKE RINGS OF THE CLUTCH HOUSING:

Remove:

the automatic gearbox [Automatic gearbox: Removal - Refitting](#) ,

the automatic gearbox wiring [Automatic gearbox wiring: Removal - Refitting](#) ,

the speed sensors [Speed sensor: Removal - Refitting](#) ,

the gear engaged sensor [Gear engaged sensor: Removal - Refitting](#) ,

the automatic transmission computer [Automatic gearbox computer : Removal - Refitting](#) ,

the clutch pressure plate [Clutch: Removal - Refitting](#) ,

the clutch actuator motors [Clutch actuator motor: Removal - Refitting](#) ,

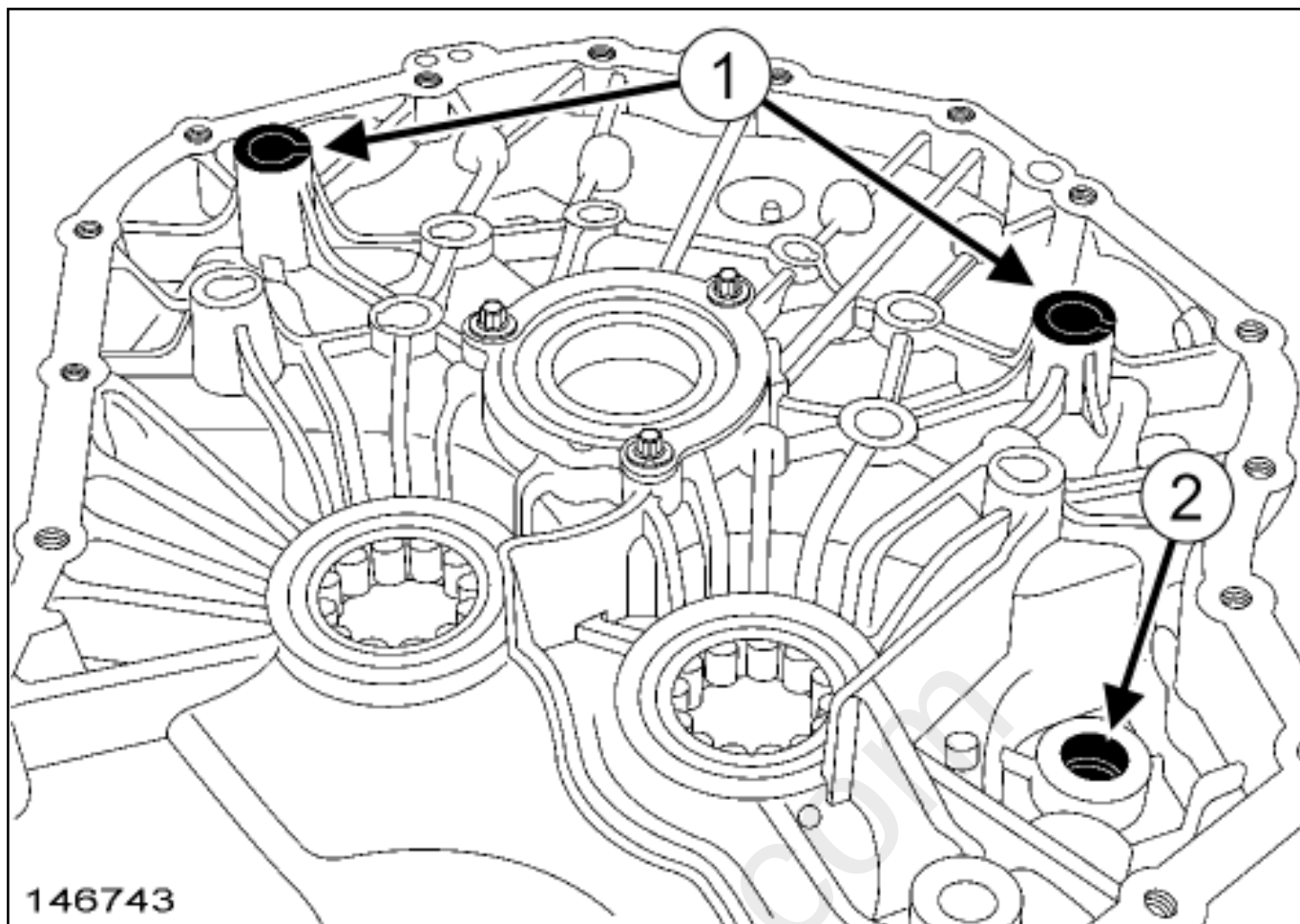
the clutch thrust bearing [Clutch thrust bearing: Removal - Refitting](#) ,

the clutch forks [Clutch fork: Removal - Refitting](#) ,

the input shaft lip seal [Input shaft lip seal: Removal - Refitting](#) ,

the clutch housing [\(see 23A, Automatic gearbox , Clutch housing: Removal - Refitting\)](#) .

2. OPERATION FOR REMOVAL OF PART CONCERNED



Note:



Take care not to damage the mating faces of the rings. Position the drift punch close to the slot to make extraction easier.

Remove:



the fork shaft rings of the mechanism housing and clutch housing using a roll pin punch(1) ,



the parking shaft rings using an inertia extractor(2) .

REFITTING

1. REFITTING PREPARATION OPERATION



Clean all the removed parts [Vehicle: Parts and consumables for the repair](#) (04B, Consumables - Products).



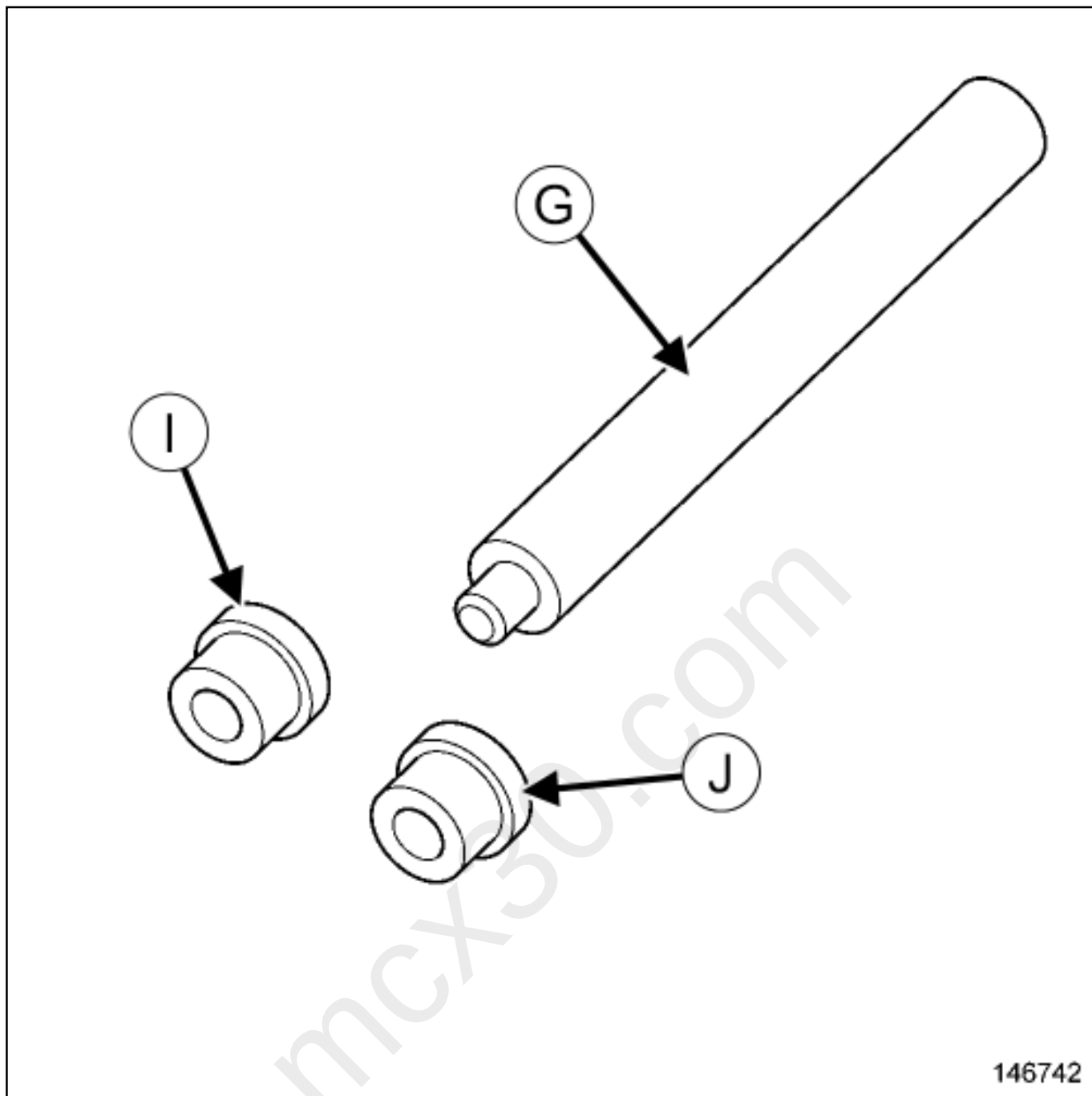
parts always to be replaced: [Fork shaft bearing](#) .



Always replace the parking shaft ring.

2. REFITTING OPERATION FOR PART CONCERNED

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3. FINAL OPERATION



Proceed in the reverse order to removal.