



Note:

The convex part of the fork(8) must correspond with the concave part(7) of the bolt with a spring.



Torque tighten the clutch fork bolts with a spring 26 N.m.

3. FINAL OPERATION



Proceed in the reverse order to removal.



Repair-12x03x01x05-01x37-1-1-1.xml



XSL version : 3.02 du 22/07/11

CLUTCH HOUSING BEARING: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Adjustable support for fitting bearings.	Bvi. 1418
DC4 gearbox internal renovation kit	Bvi. 1956
DC4 gearbox internal renovation	RSM. 9306
Gearbox Supporter	RSM. 9308
Installation tool of bearing	Bvi. 2029

Equipment required

roll pin punch



parts always to be replaced:



[Clutch housing bearing](#)

[Automatic gearbox differential 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

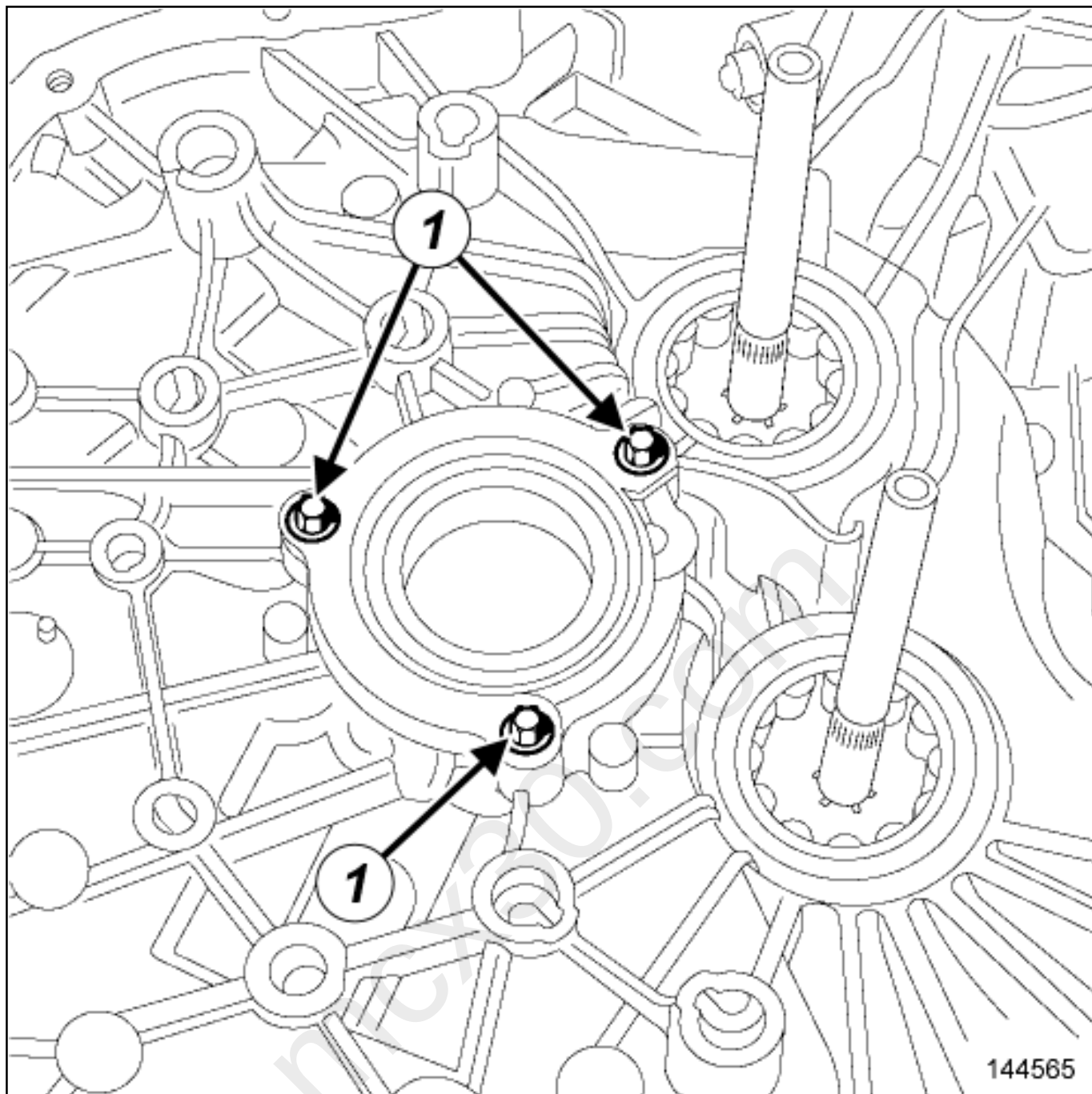
1. REMOVAL PREPARATION OPERATION

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

1- REMOVING THE INPUT SHAFT BEARING:



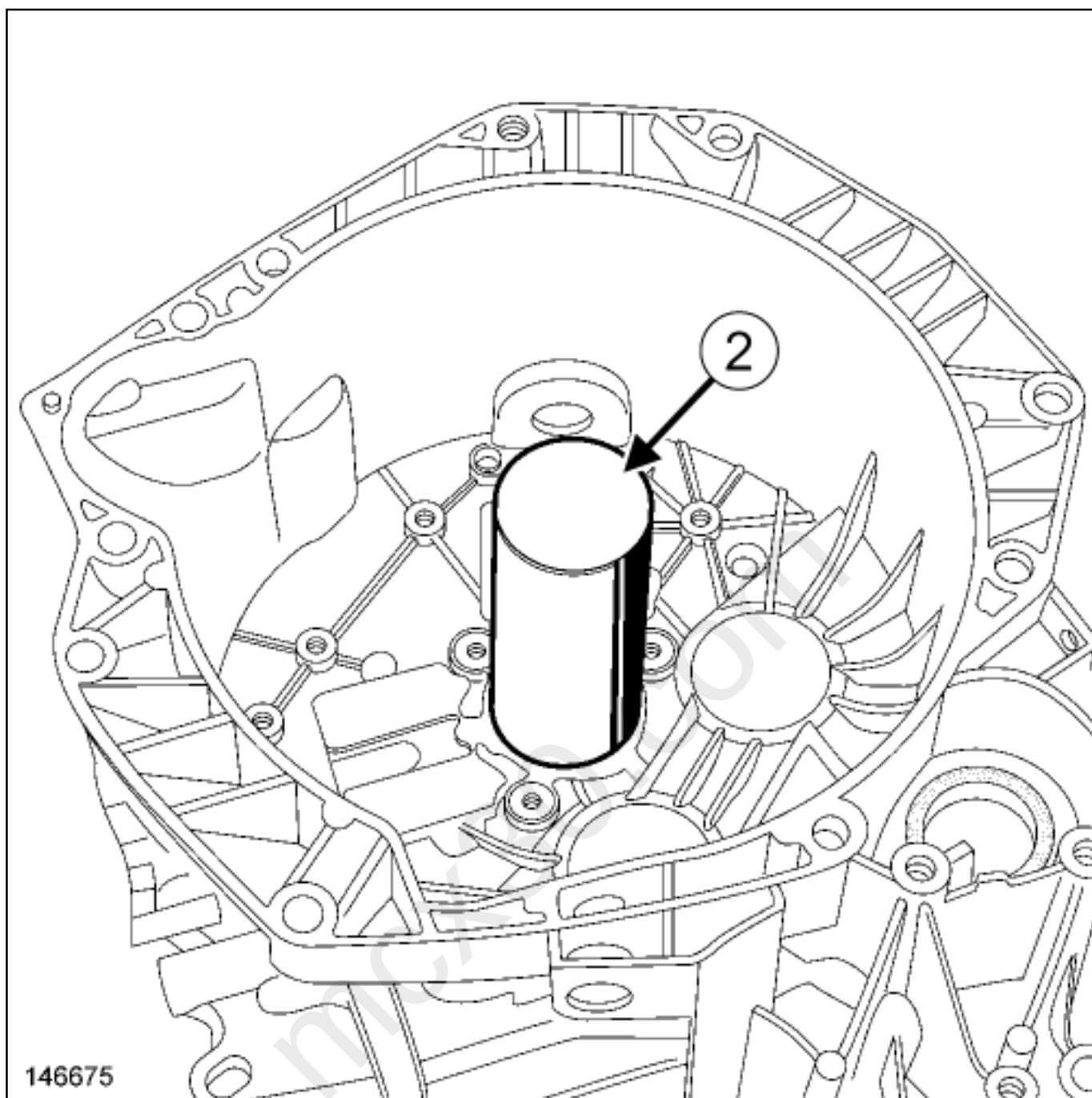
Remove:



the three bolts(1) from the retaining bracket of the input shaft bearing,

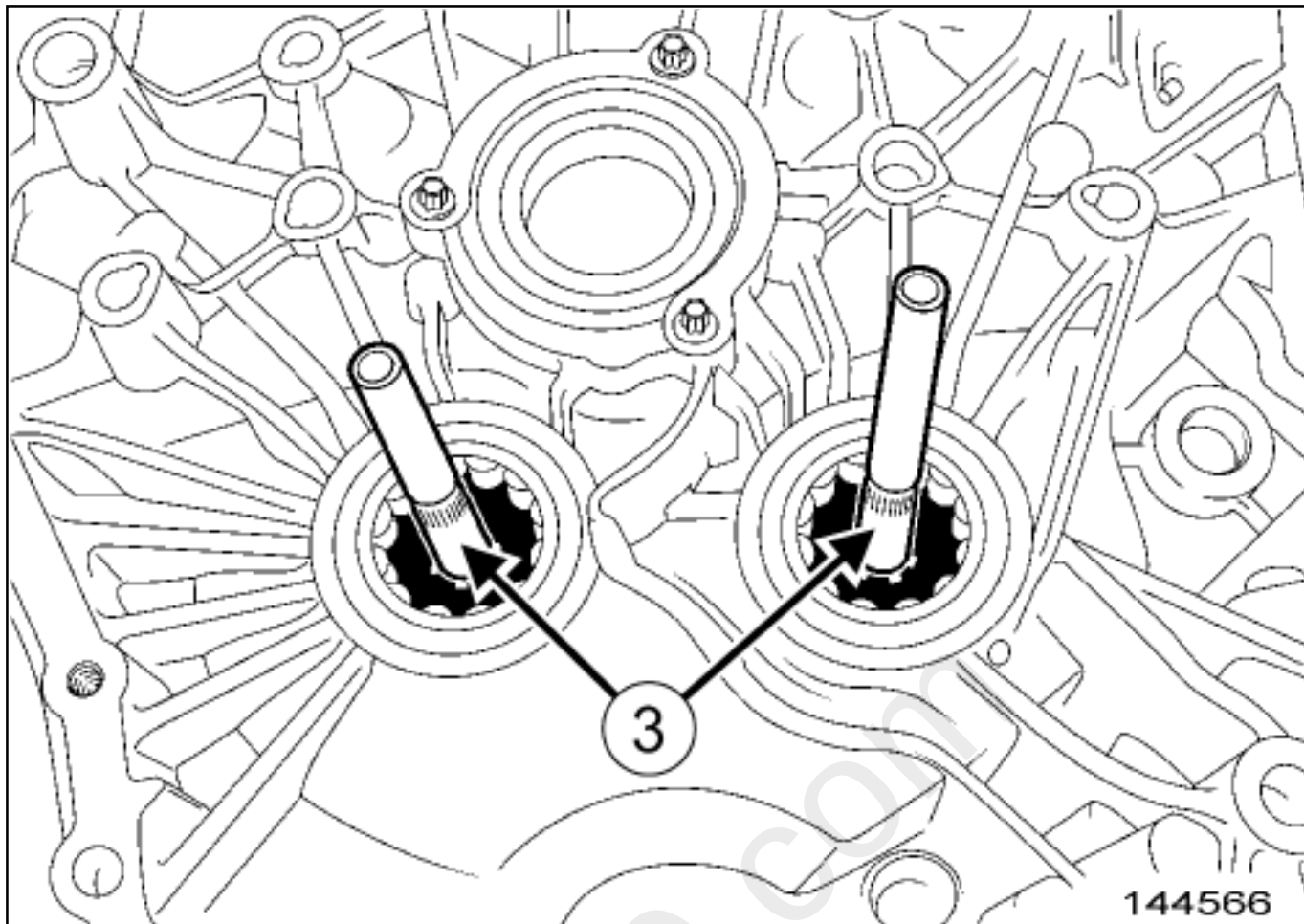


the retaining bracket of the input shaft bearing.



Remove the input shaft bearing using the tool DC4 gearbox internal renovation kit (Bvi. 1956) A (2) .

2- REMOVING THE OUTPUT SHAFT BEARING:



Break:

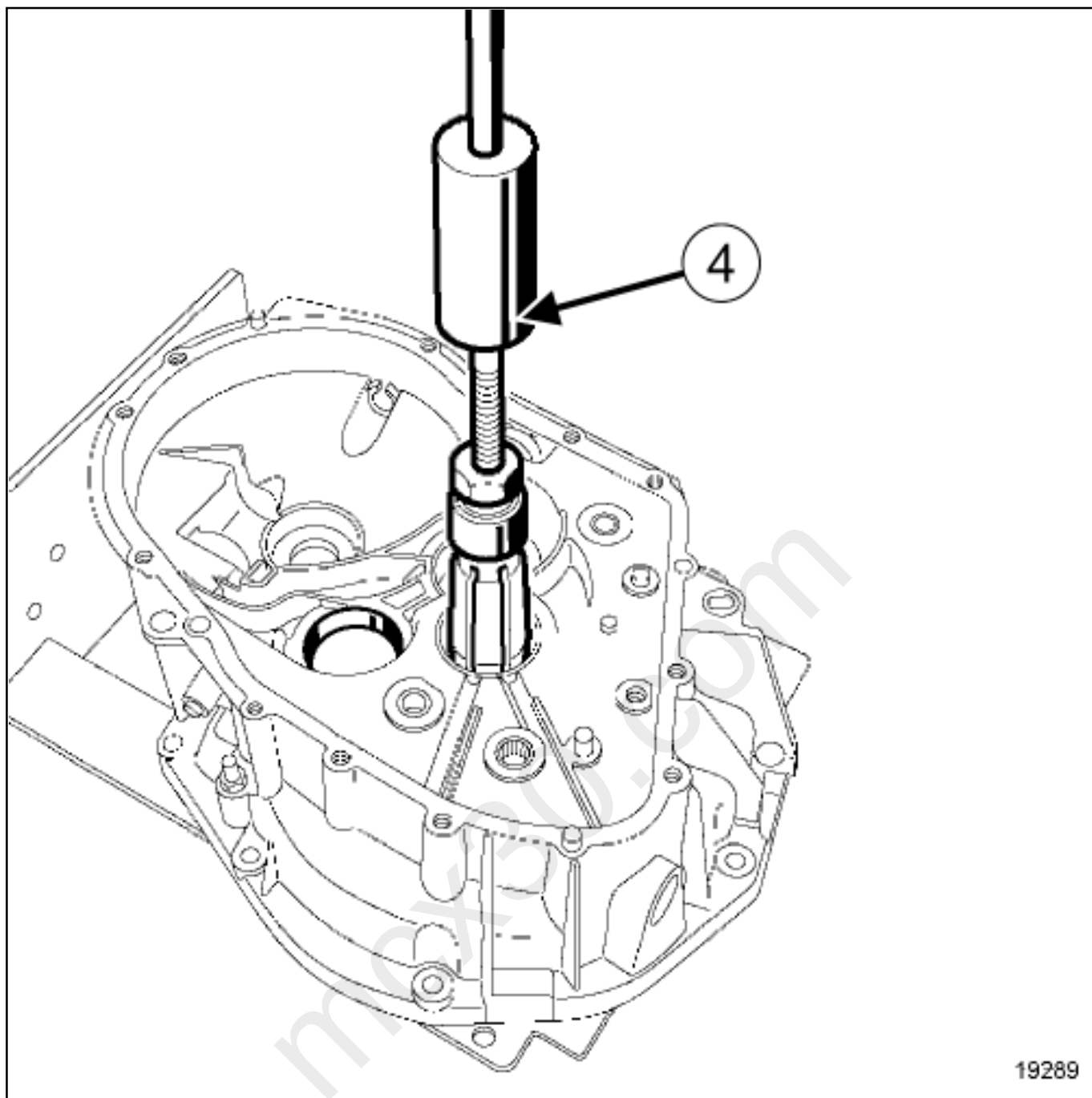


the lubrication channels(3) ,



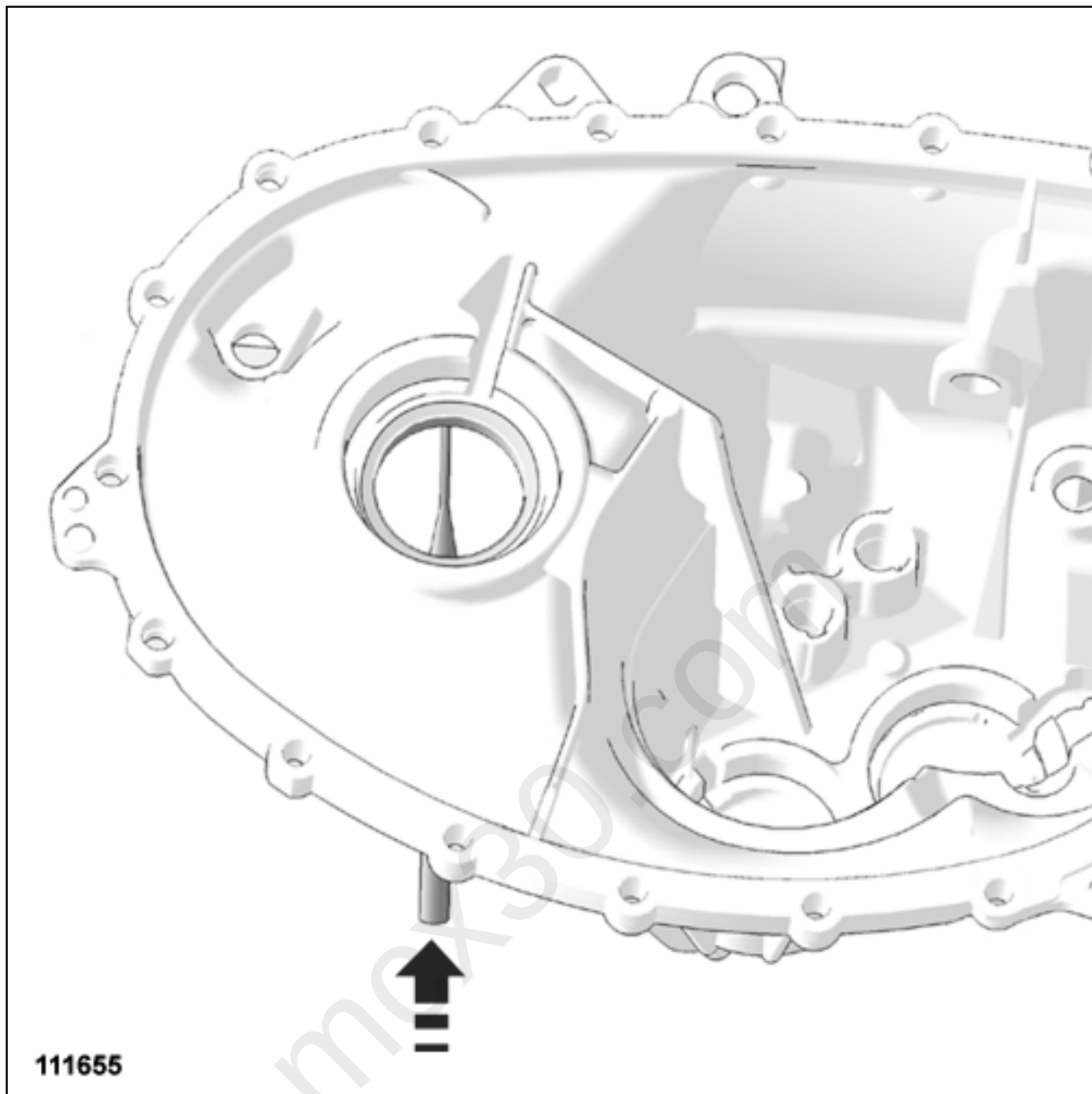
The plastic retaining ring of the output shaft bearing rollers.

Remove the rollers from the output shaft bearing.



Remove the output shaft bearing using an inertia extractor(4) .

3- REMOVING THE DIFFERENTIAL BEARING:



Remove the differential bearing using a roll pin punch.

REFITTING

1. REMOVAL PREPARATION OPERATION

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



parts always to be replaced:

[Clutch housing bearing](#)



parts always to be replaced:

[Automatic gearbox differential bearing](#)



Always replace the lubrication channels.

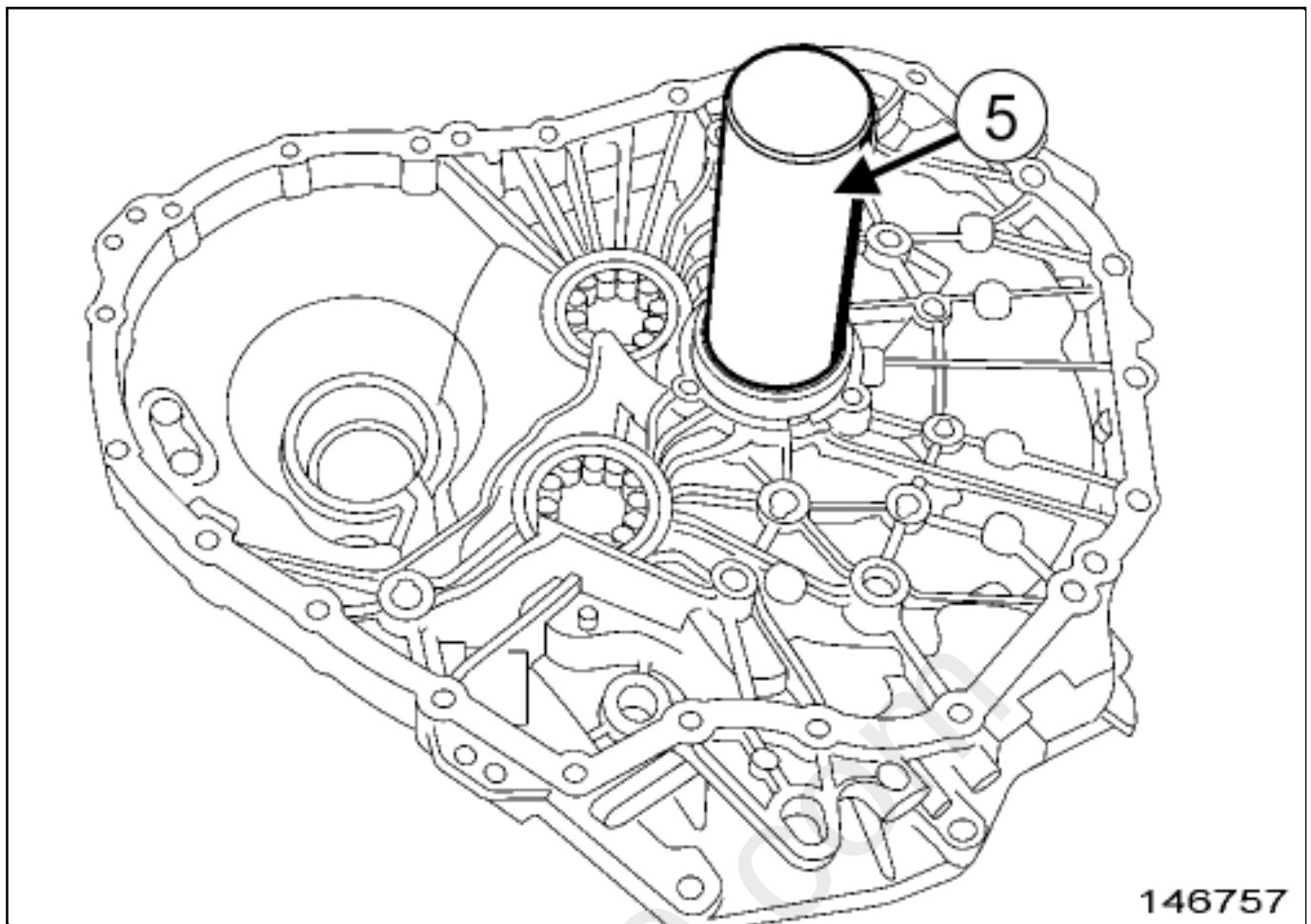
2. REFITTING OPERATION FOR PART CONCERNED



CAUTION

Failure to observe the following procedure could cause irreparable damage to the automatic gearbox clutch housing.

1- REFITTING THE INPUT SHAFT BEARING:



Torque tighten the bolts of the input shaft bearing retaining bracket 8 N.m.

2- REFITTING THE OUTPUT SHAFT BEARING:

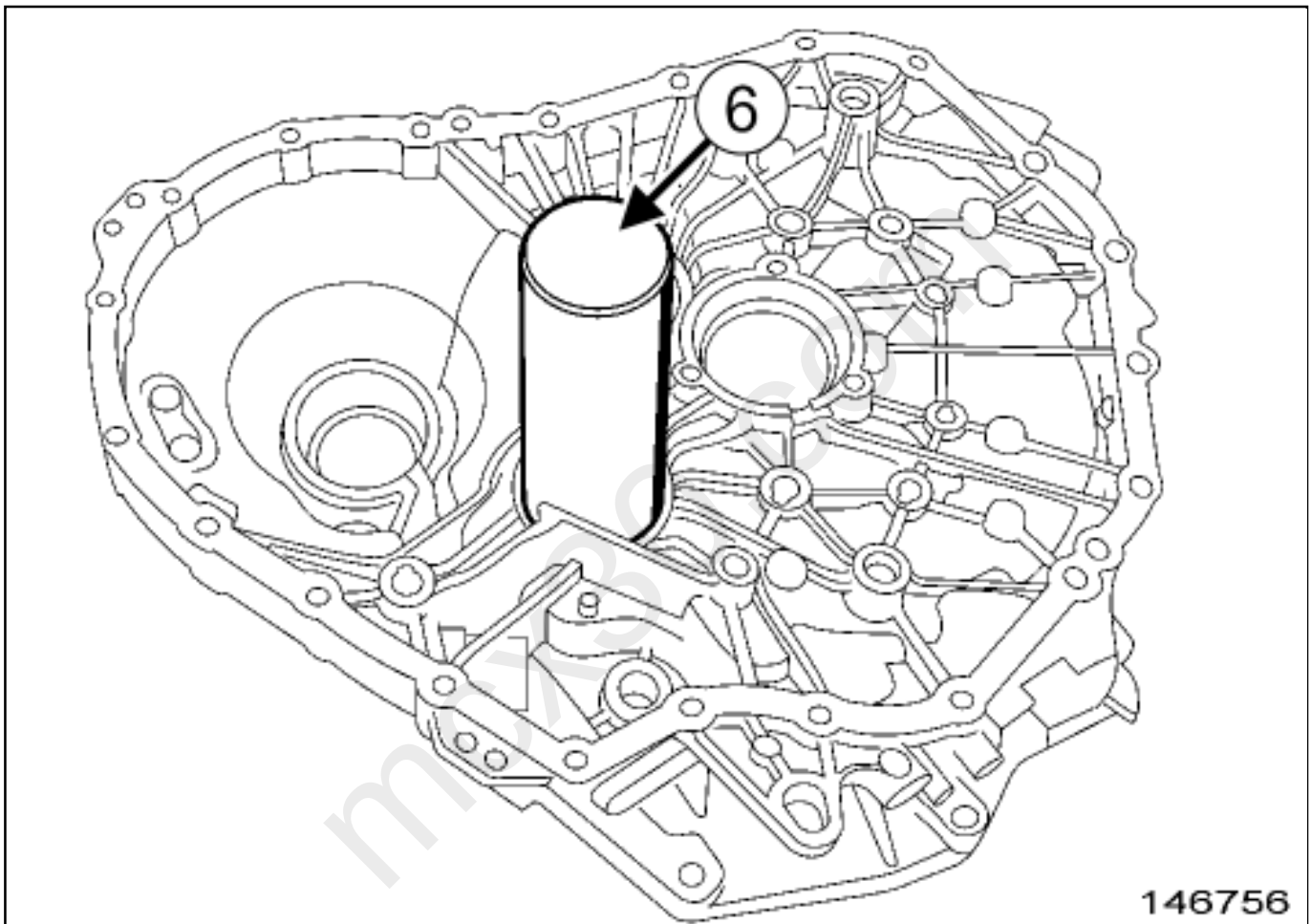
Refit new lubrication channels.

Note:

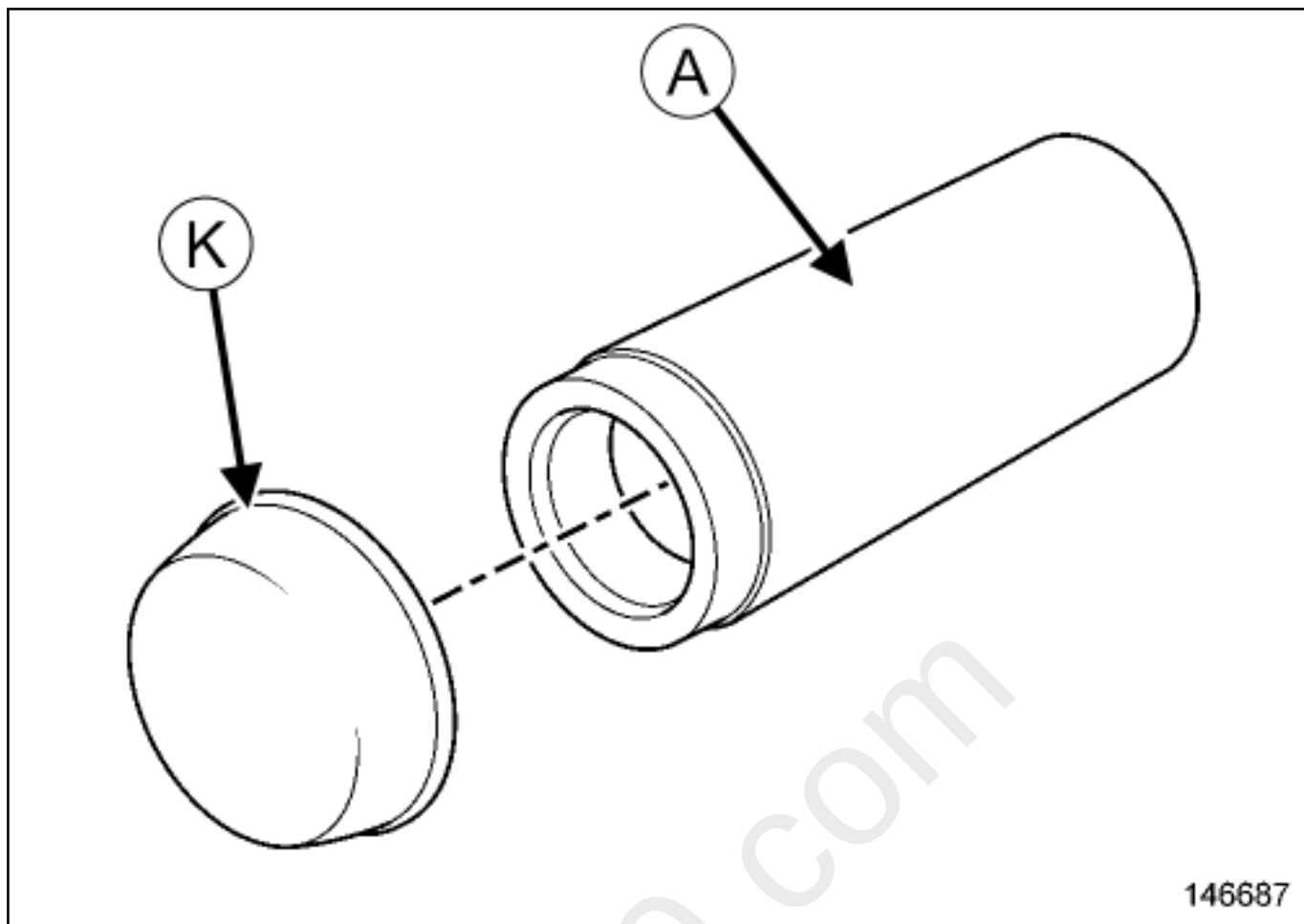


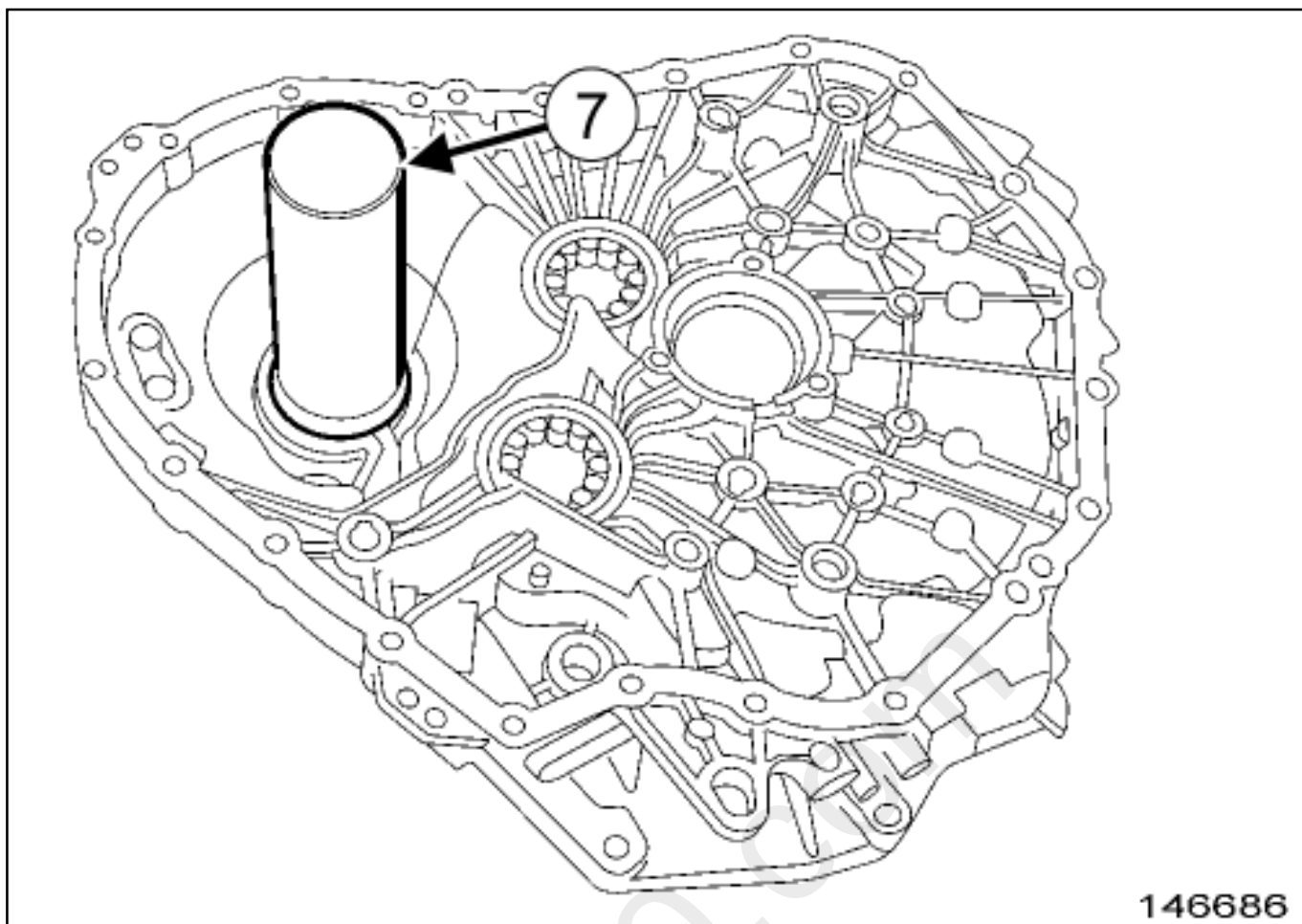
The flat side of the bearings must be positioned on the clutch housing side.

When refitting the bearing with the press, check that the lubrication channel is in the correct position before the bearing is fully inserted in its housing (approximately 2mm before the stop).



Refit a new output shaft bearing using a press and the toolDC4 gearbox internal renovation kit (Bvi. 1956) A and C(6) .





Fit:

the permanent shim under the differential bearing housing,

the toolAdjustable support for fitting bearings.([Bvi. 1418](#)) on the universal joint side.

Refit a new differential bearing using a press and the toolDC4 gearbox internal renovation kit([Bvi. 1956](#)) ([A](#)) and ([K](#)) ([7](#)) .