



Proceed in the reverse order to removal.



Repair-12x07x02x40-01x37-1-1-1.xml



XSL version : 3.02 du 22/07/11

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# CLUTCH HOUSING: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



## Special tooling required

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| Inertia seal extractor                                               | Bvi. 1948 |
| Tool for removal - refitting of clutch pressure plate and housing    | Emb. 1952 |
| Extractor                                                            | RSM. 9303 |
| Tool for removal - refitting of clutch pressure plate and housing    | RSM. 9307 |
| Clamp for clutch housing                                             | Emb. 2027 |
| Clamp for clutch housing                                             | Emb. 2028 |
| Tool for removal-refitting of clutch pressure plate and housing(k9k) | RSM. 9320 |

## 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](#) ,

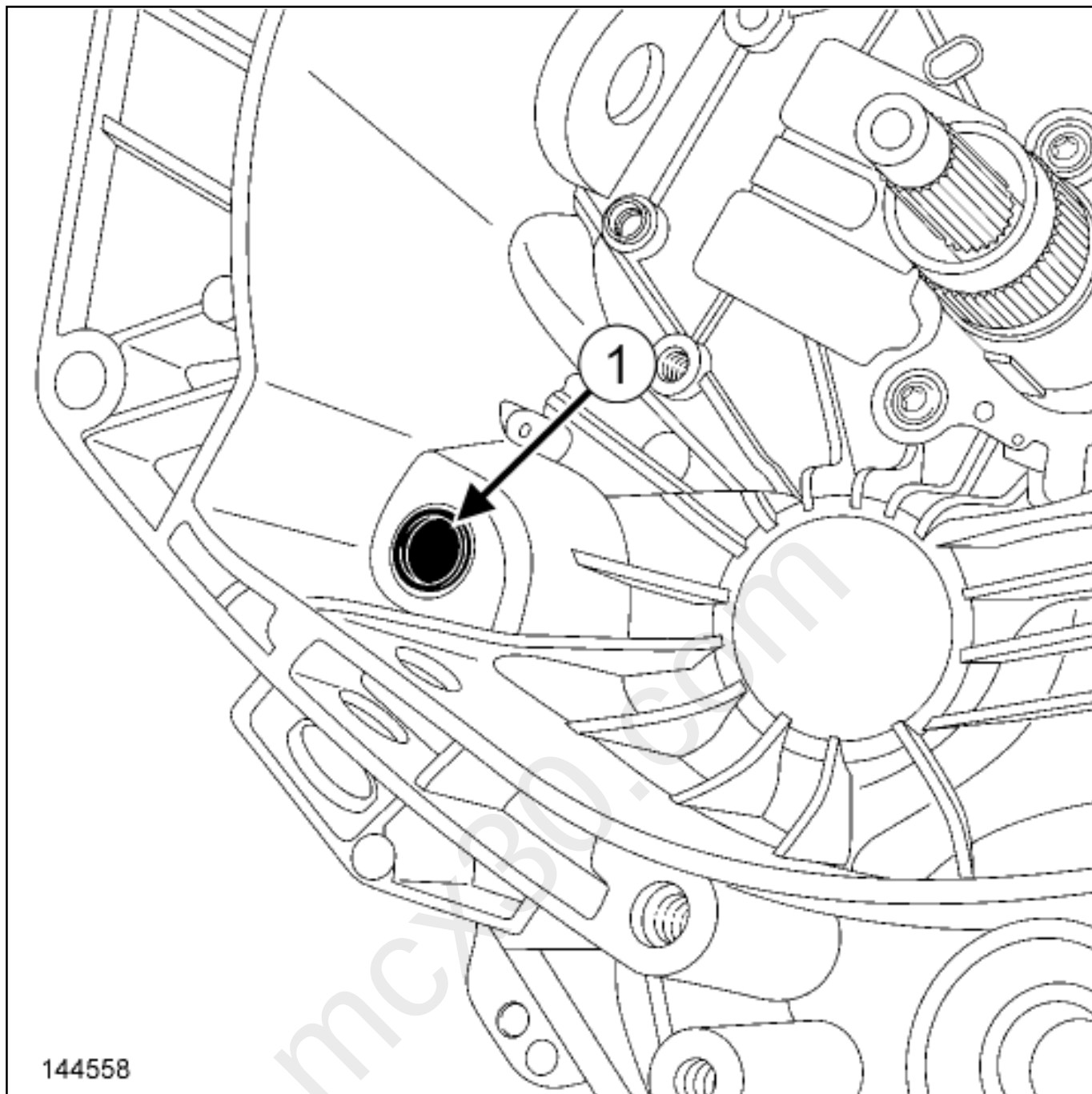
■ the clutch pressure plate [Clutch: Removal - Refitting](#) ,

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

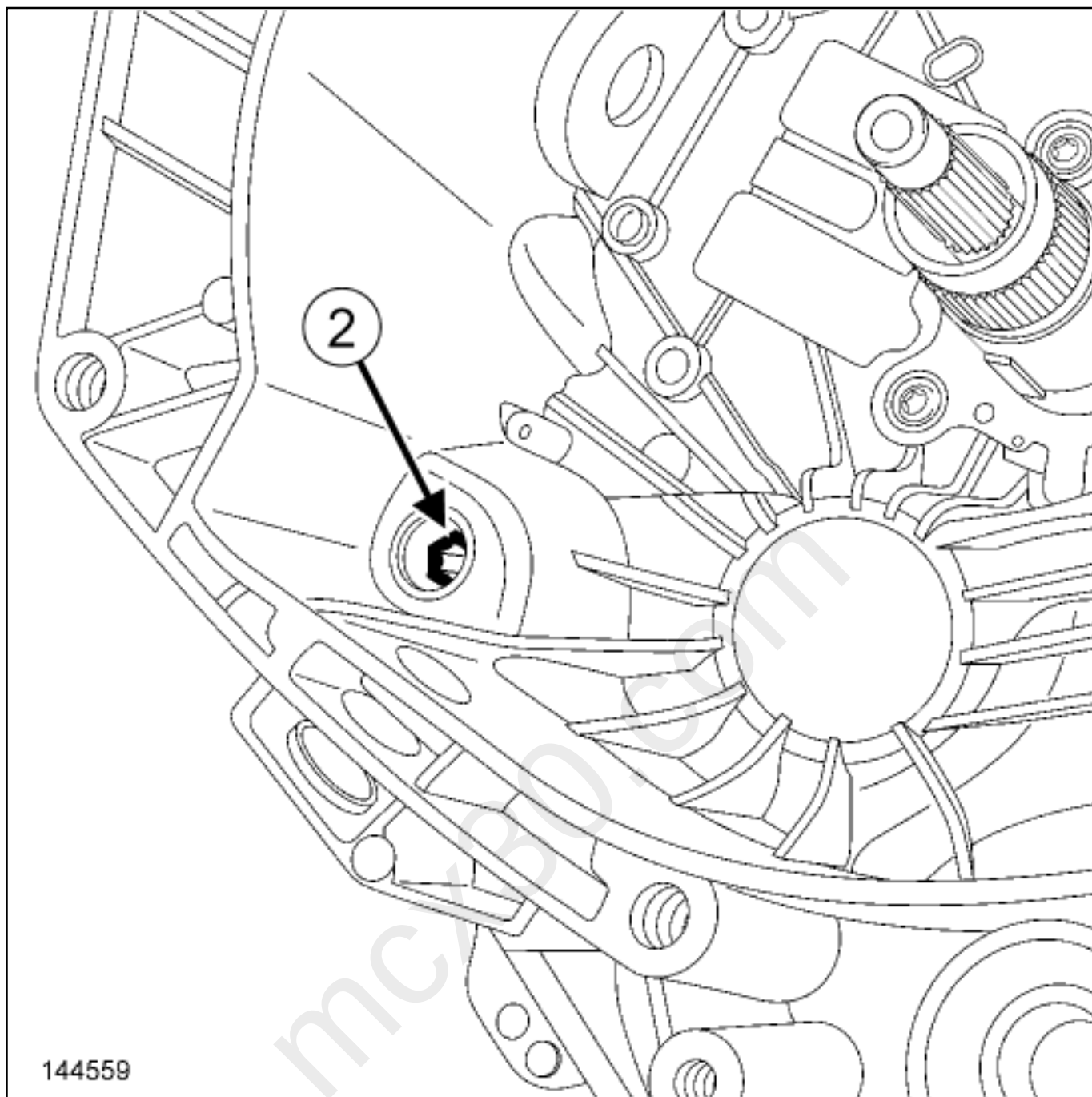
■ the clutch thrust bearing [Clutch thrust bearing: Removal - Refitting](#) ,

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

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



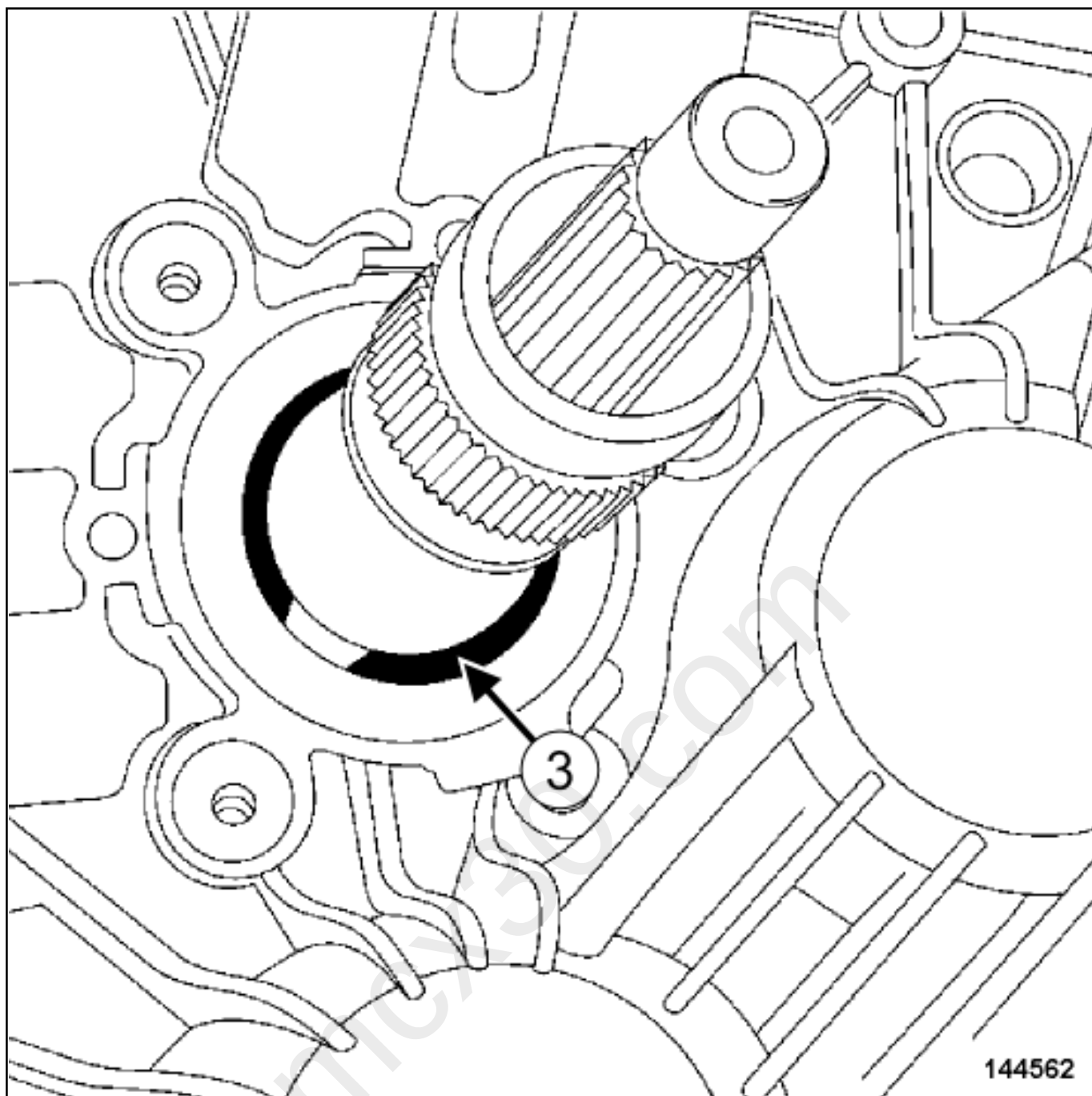
Remove the blocking shim(1) from the engagement sensor lever bolt.



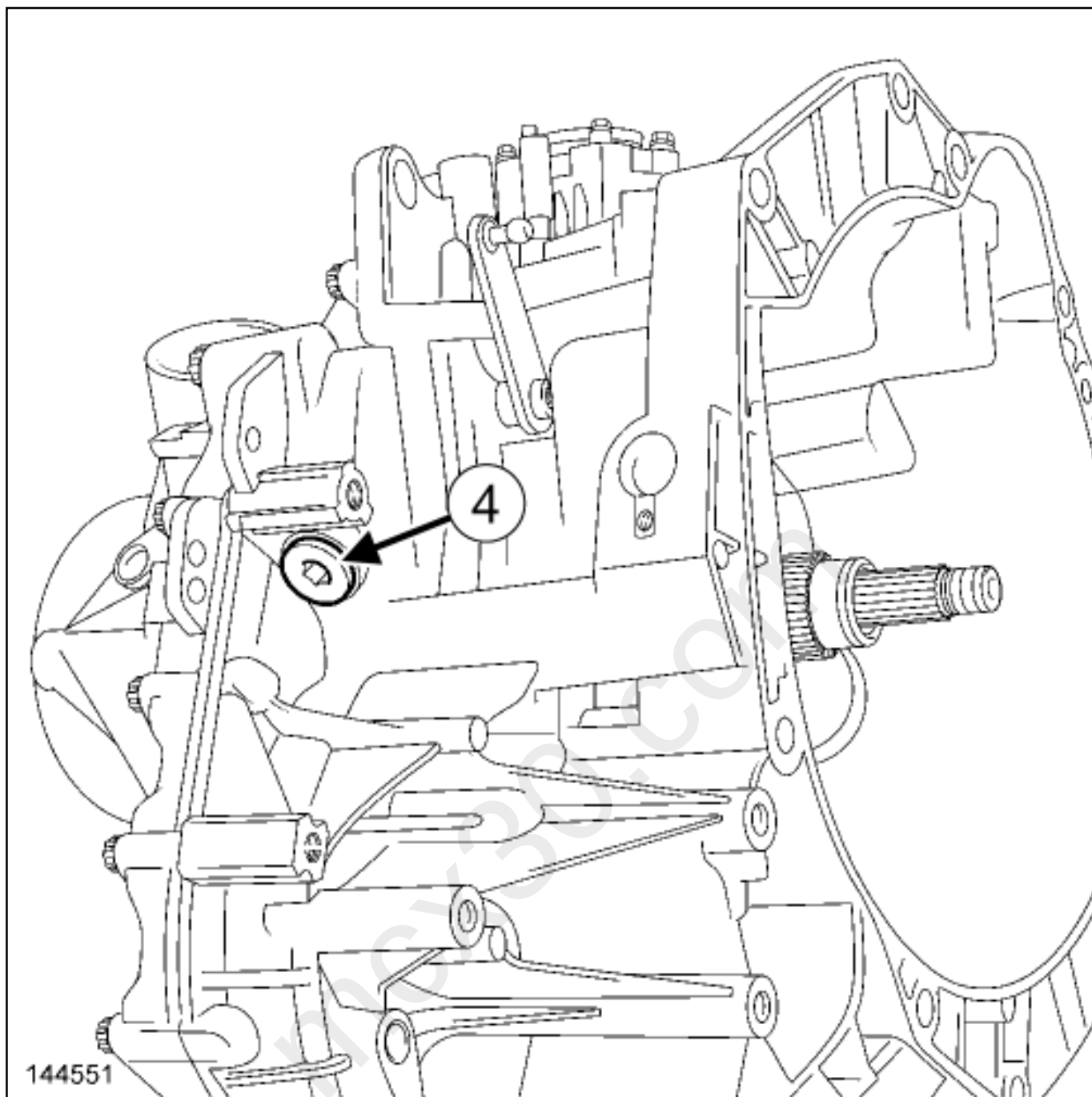
Remove:

- the bolt(2) from the engagement sensor lever,
- the engagement sensor lever.

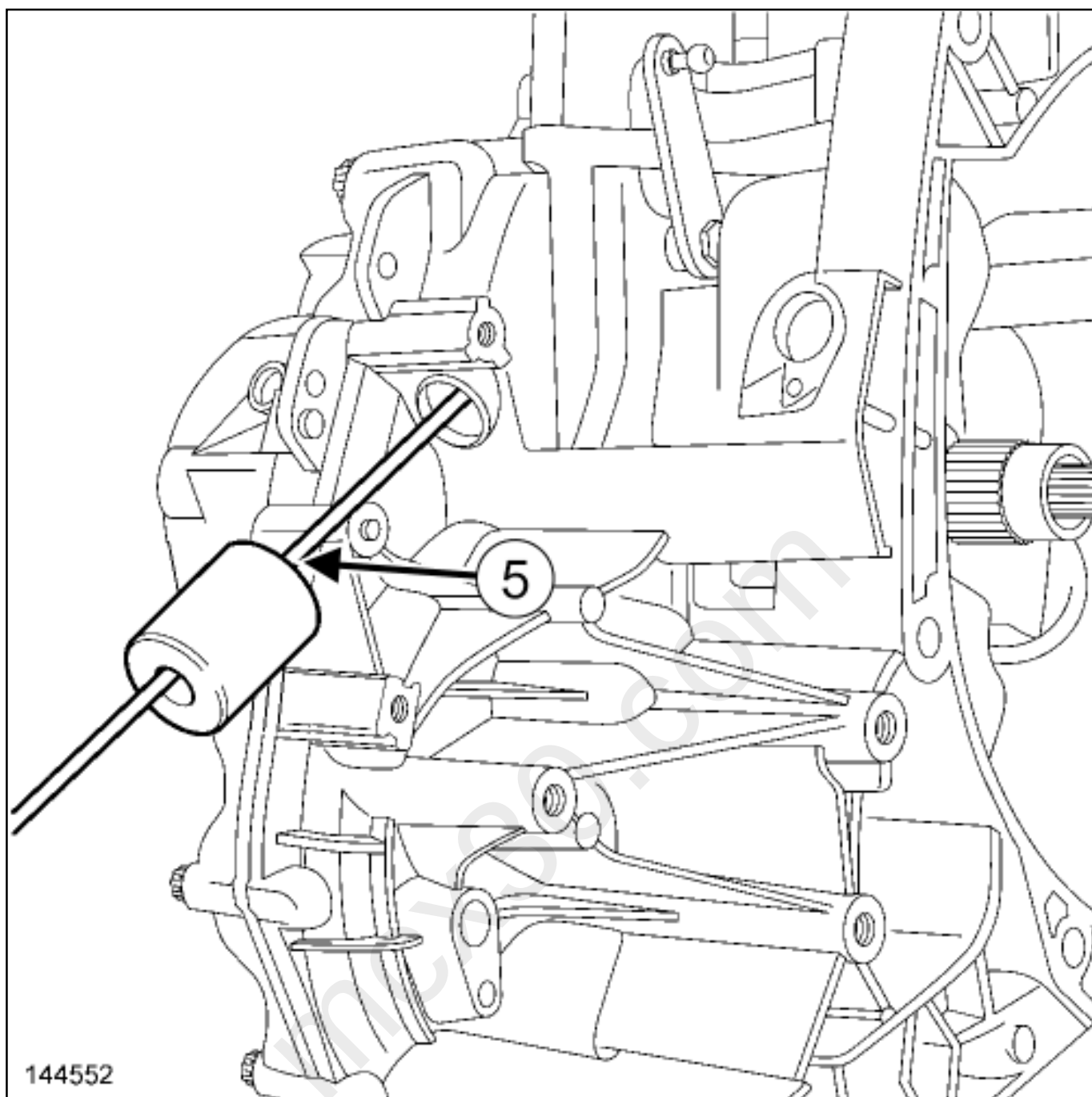
## 2. OPERATION FOR REMOVAL OF PART CONCERNED



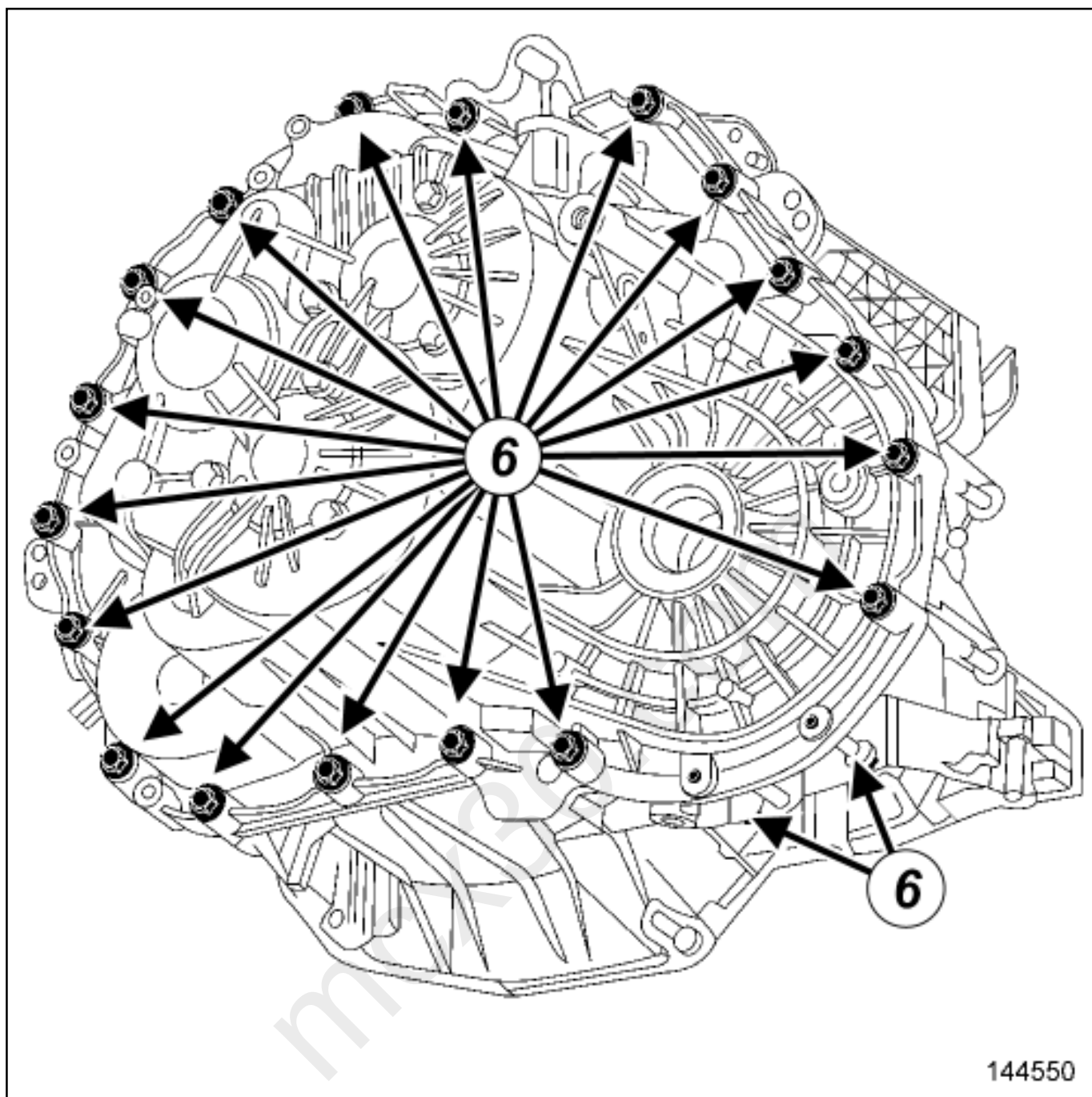
Remove the clip(3) from the input shaft.



Remove the plug(4) from the parking shaft locating ball cartridge.

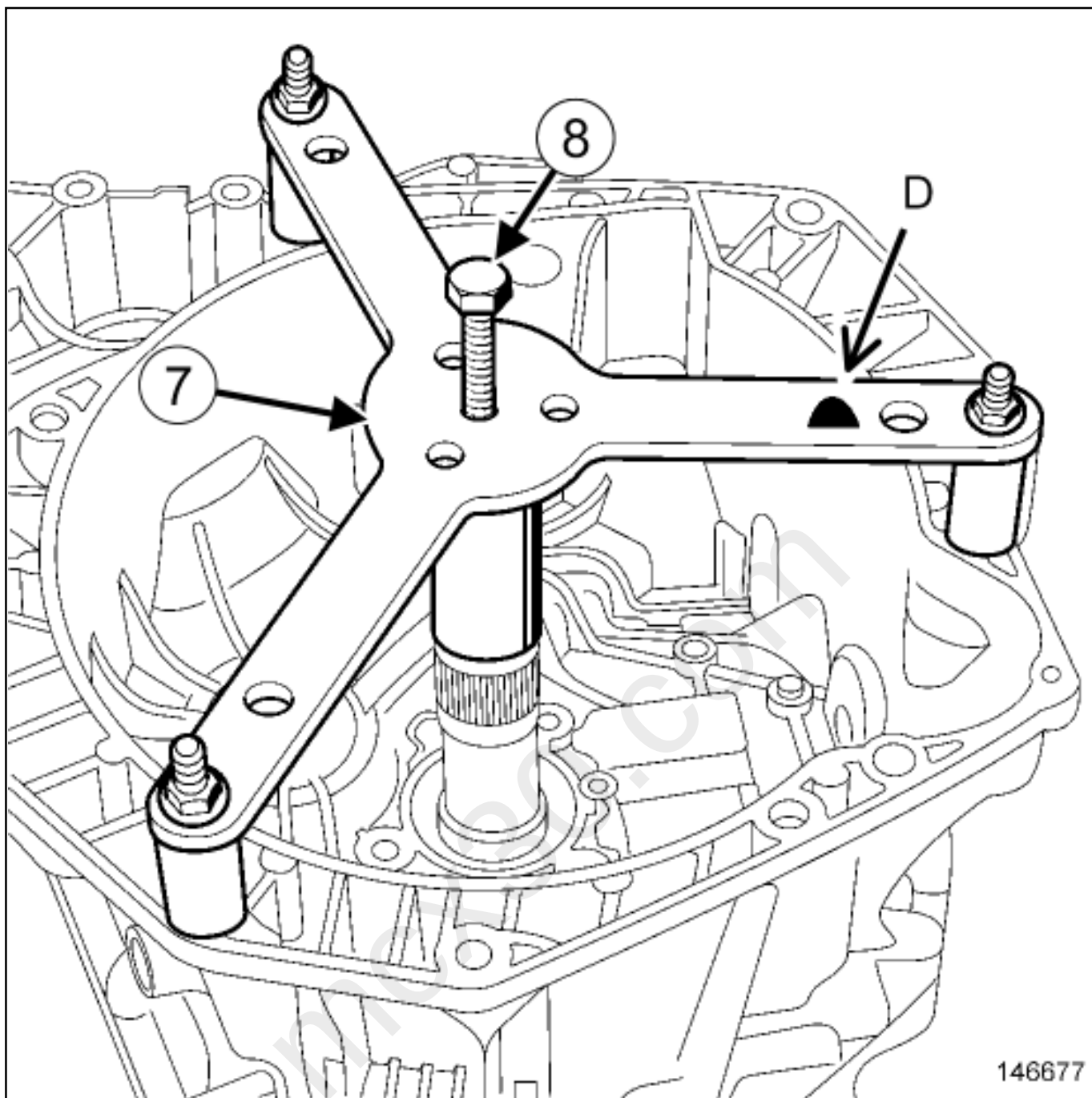


Remove the locating ball cartridge using the tool Inertia seal extractor (Bvi. 1948 ) (5) .



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Remove the bolts from the mechanism housing(6) .



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Note:

The mark Don the one of the tool arms is positioned next to the boss of the starter.

Position the tool Tool for removal - refitting of clutch pressure plate and housing(Emb. 1952 ) (7) use the added toolClamp for clutch housing(Emb. 2028 ) .

Tighten the central bolt(8) .

Remove the clutch housing.

## REFITTING

### 1. REFITTING PREPARATION OPERATION

Clean:

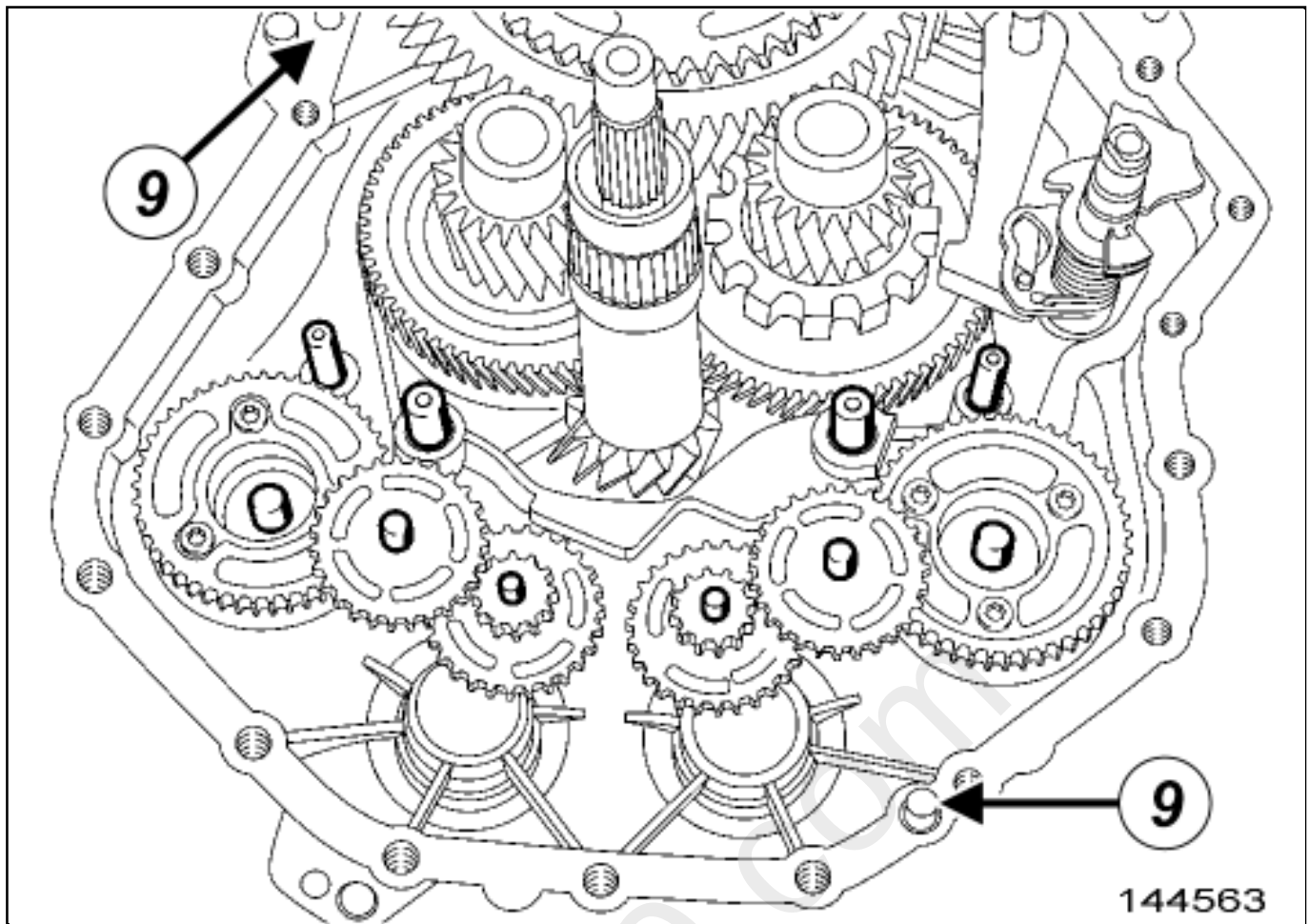
- all the removed parts [Vehicle: Parts and consumables for the repair](#) (04B, Consumables - Products),
- the joint face of the automatic gearbox casings [Vehicle: Parts and consumables for the repair](#) (04B, Consumables - Products).

Always replace the seal of the gearbox casings.



#### CAUTION

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



Check:



the presence and correct position of all the control shafts on the mechanism housing and the gear shift drums,

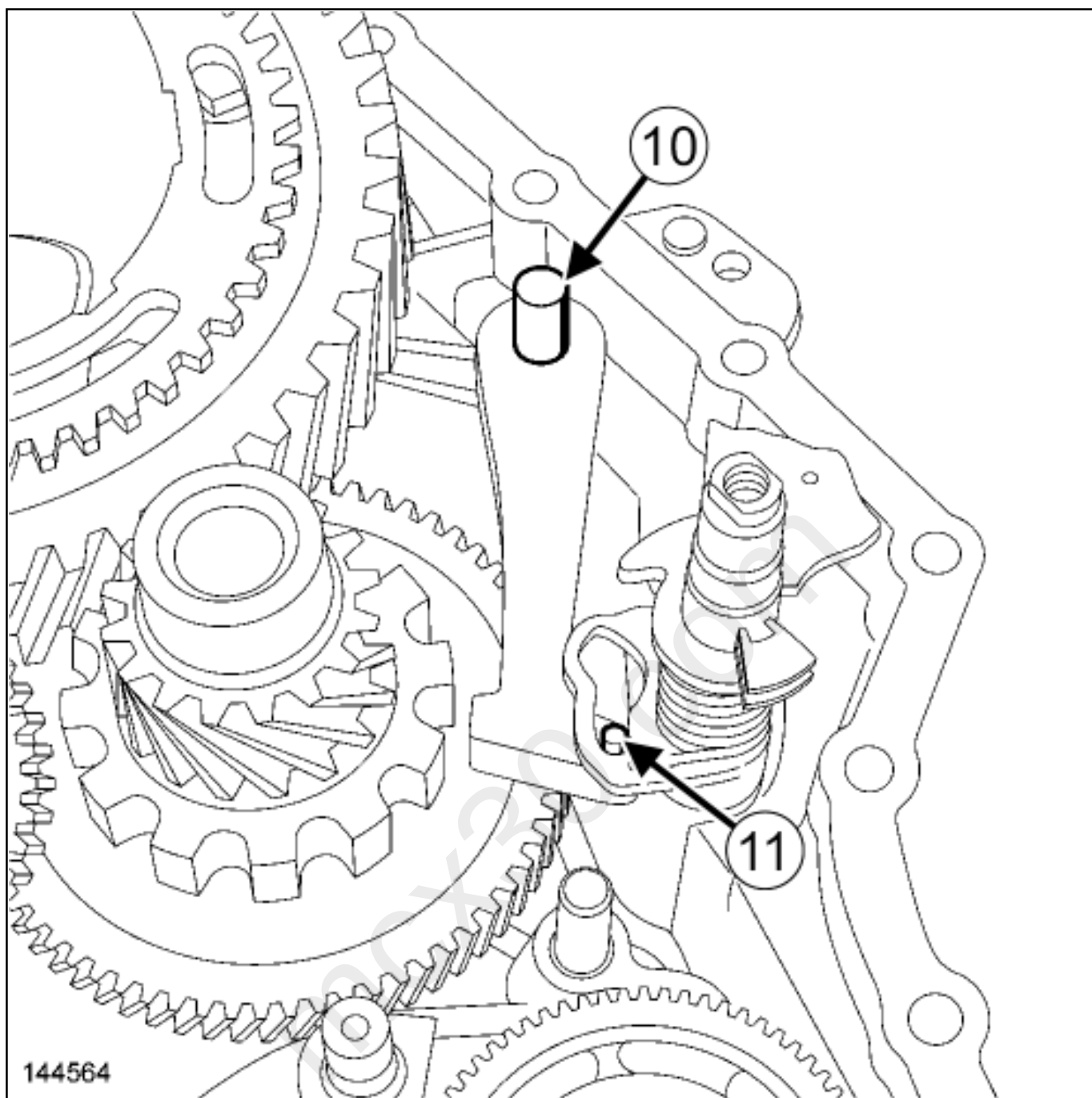


the presence of the centring dowels of the mechanism housing(9) .



### **CAUTION**

Failure to observe the following procedure could damage the parking mechanism.



Check the presence and correct position of the parking finger shaft(10) as well as the parking finger pin which must be in the opening of the parking lever shaft(11) .

## 2. REFITTING OPERATION FOR PART CONCERNED



### CAUTION

Applying excess sealant could cause it to be squeezed out when parts are tightened. A mixture of sealant and fluid could damage certain components (engine, radiator, etc.).

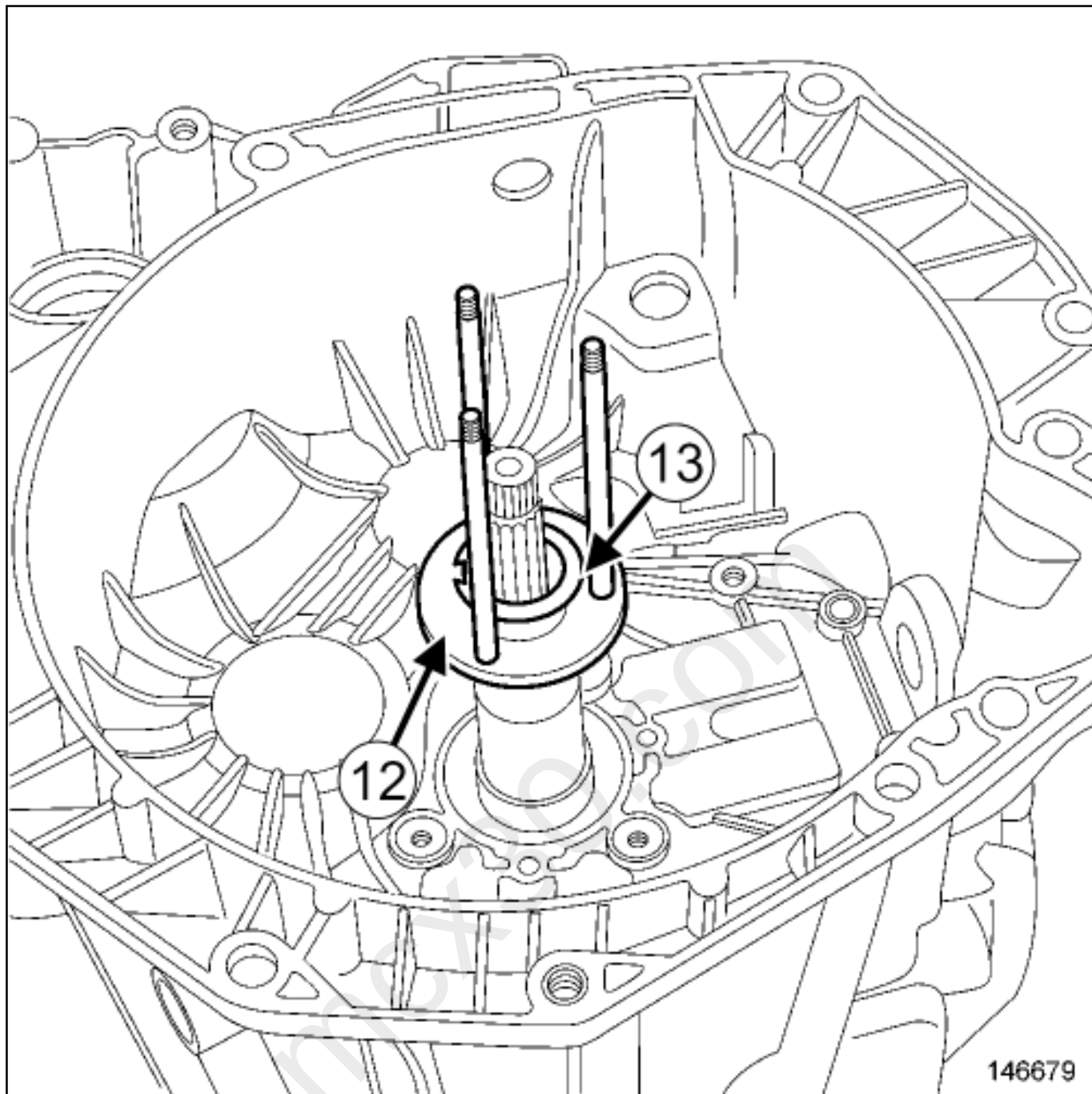


Add a bead of Sealing resin [Vehicle: Parts and consumables for the repair](#) (04B, Consumables - Products) to the joint face of the clutch housing.



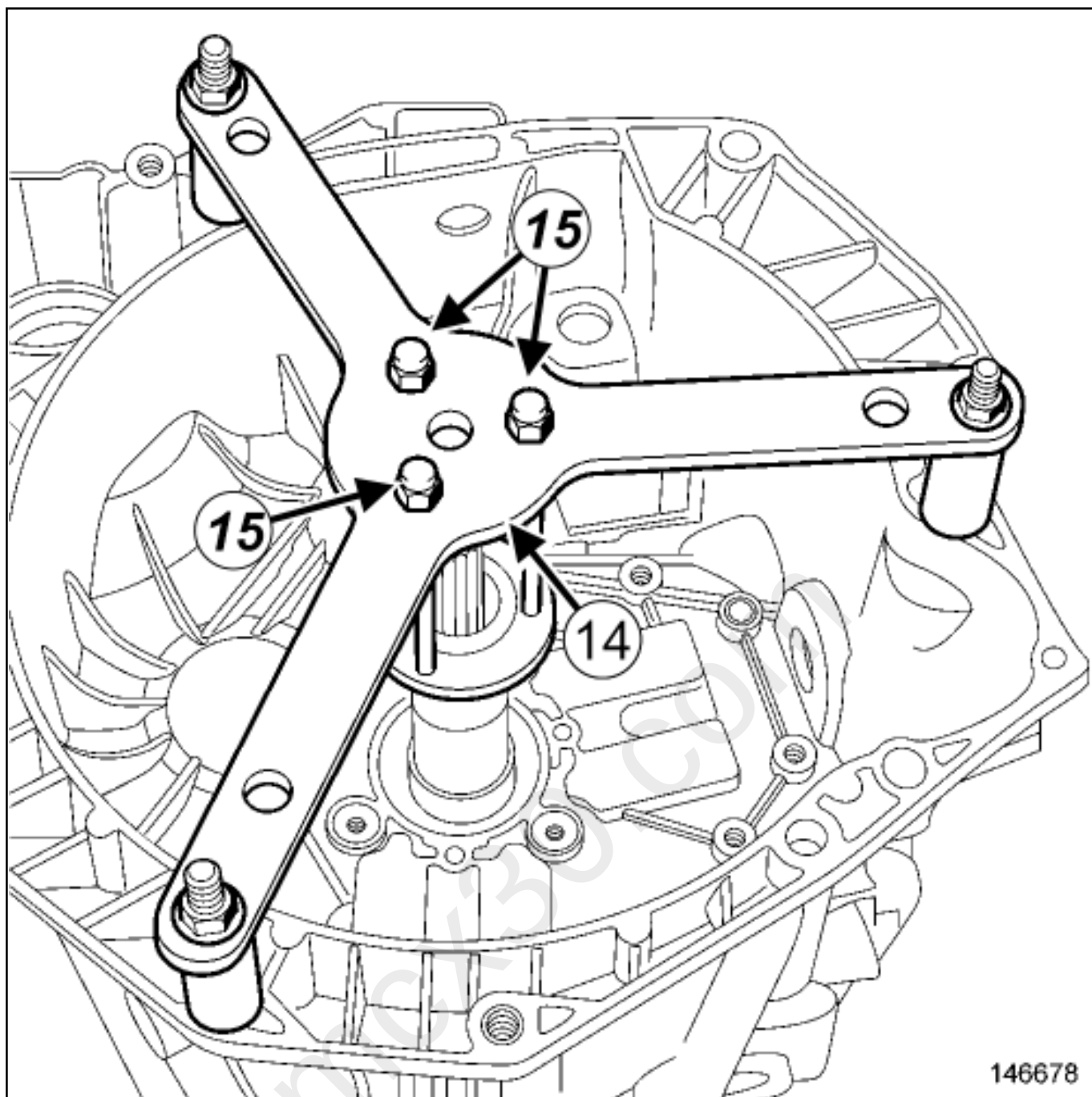
Fit the clutch housing.

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Position the tool Tool for removal - refitting of clutch pressure plate and housing(Emb. 1952 ) (12) .

Refit the large diameter clip(13) on the input shaft using snap ring pliers.



Position the tool Tool for removal - refitting of clutch pressure plate and housing(Emb. 1952 ) (14) .

Progressively tighten the nuts(15) of the tool(14) one by one.

Position the tool Tool for removal - refitting of clutch pressure plate and housing(Emb. 1952 ) (14)  
use the added toolClamp for clutch housing(Emb. 2028 )



Progressively tighten the nuts(15) of the tool(14) one by one.



Check the alignment of the automatic gearbox casings with the centring pins.



Refit the clutch housing bolts.

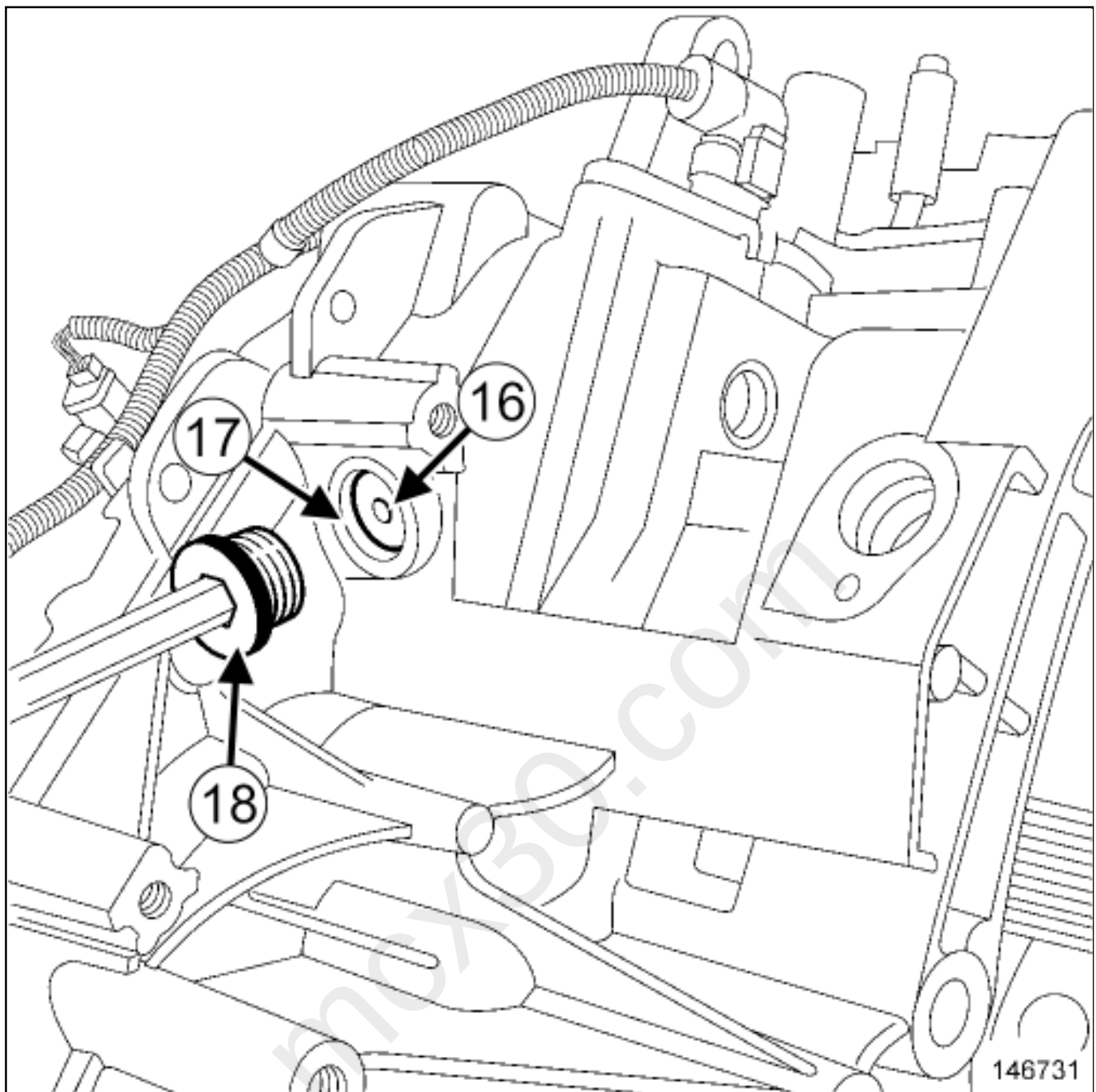


Torque tighten the clutch housing bolts27 N.m.



Remove the tool

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Fit the parking shaft locating ball cartridge(16) until 4 threads are showing in the threaded plug hole on the clutch housing(17) .



Refit the plug of the parking shaft locating ball cartridge(18) .