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MECHANISM HOUSING: REMOVAL-REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Inertia seal extractor

Bvi. 1948

Extractor

RSM. 9303

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](#) ,



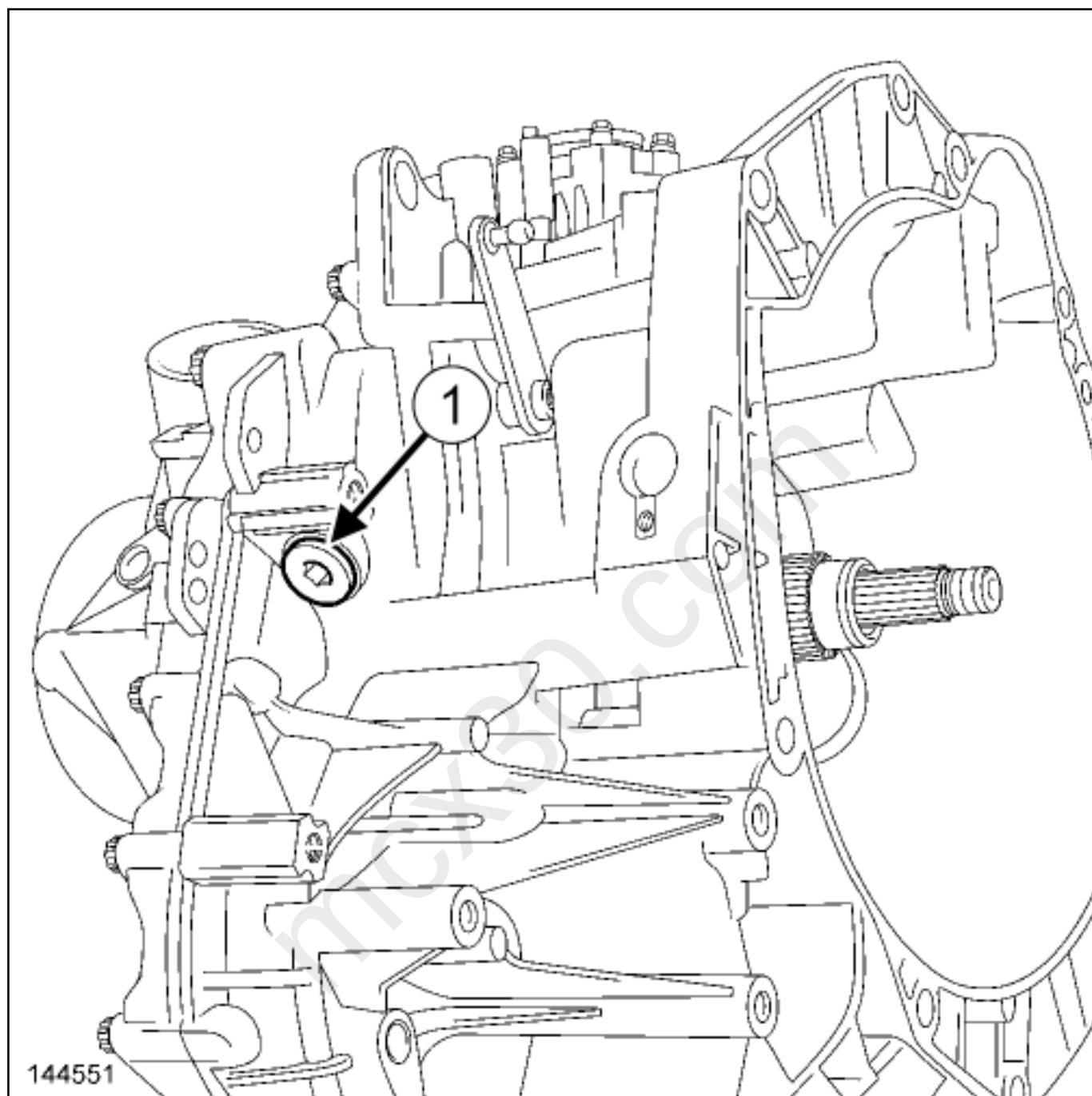
the speed sensors [Speed sensor: Removal - Refitting](#) ,



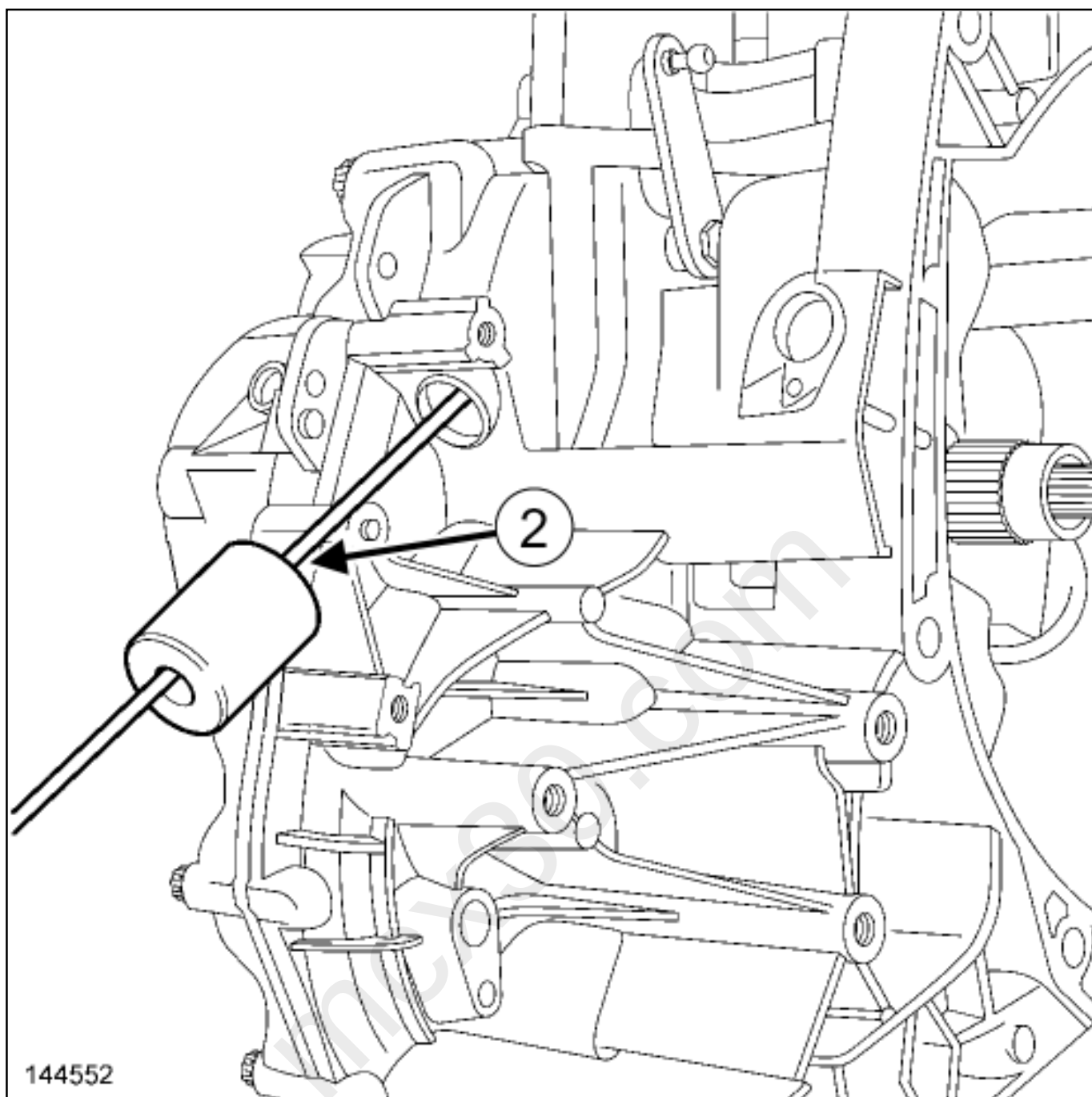
the gear engaged sensor [Gear engaged sensor: Removal - Refitting](#) ,

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

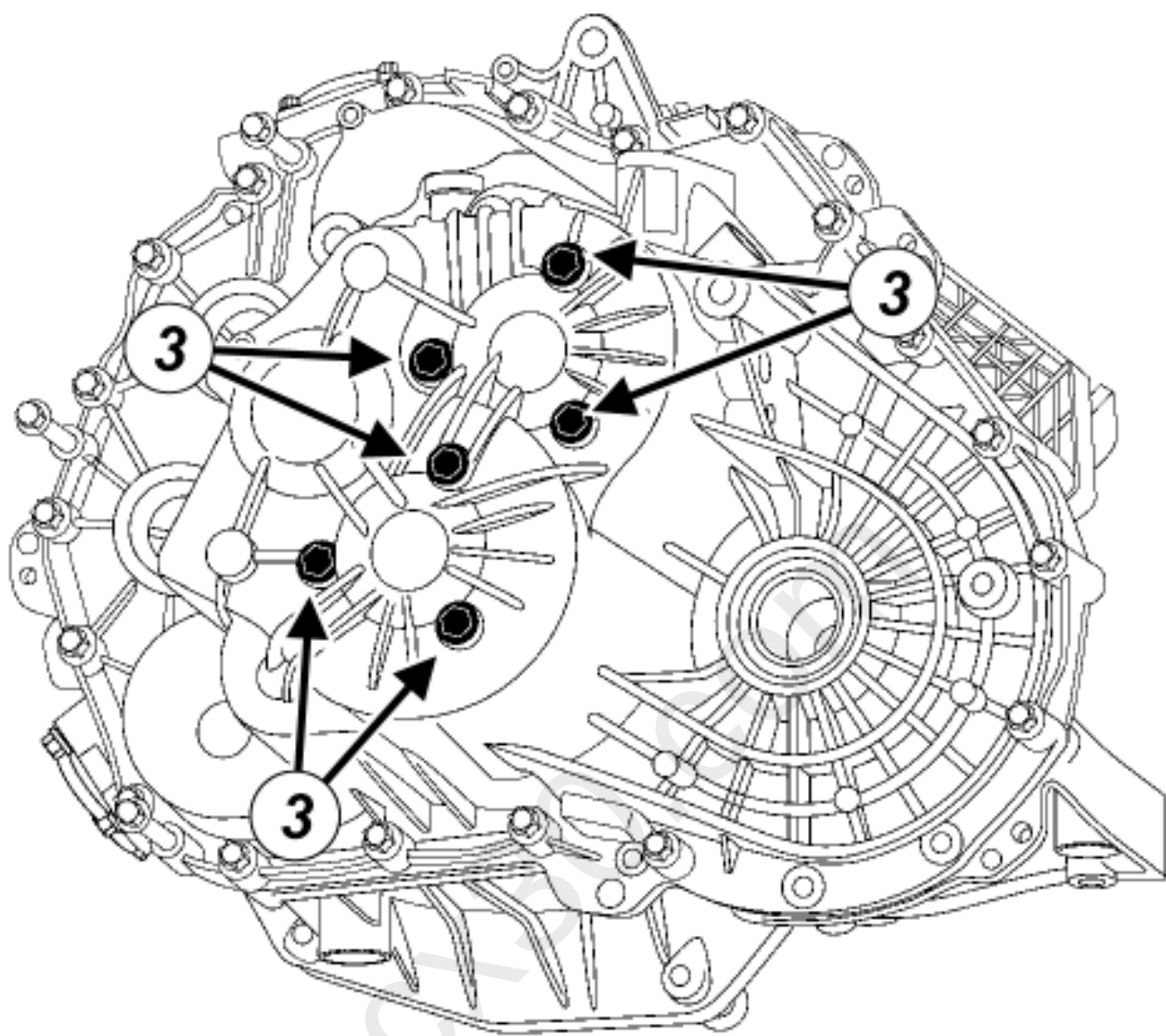
2. OPERATION FOR REMOVAL OF PART CONCERNED



Remove the plug from the locating ball cartridge(1) of the parking shaft.

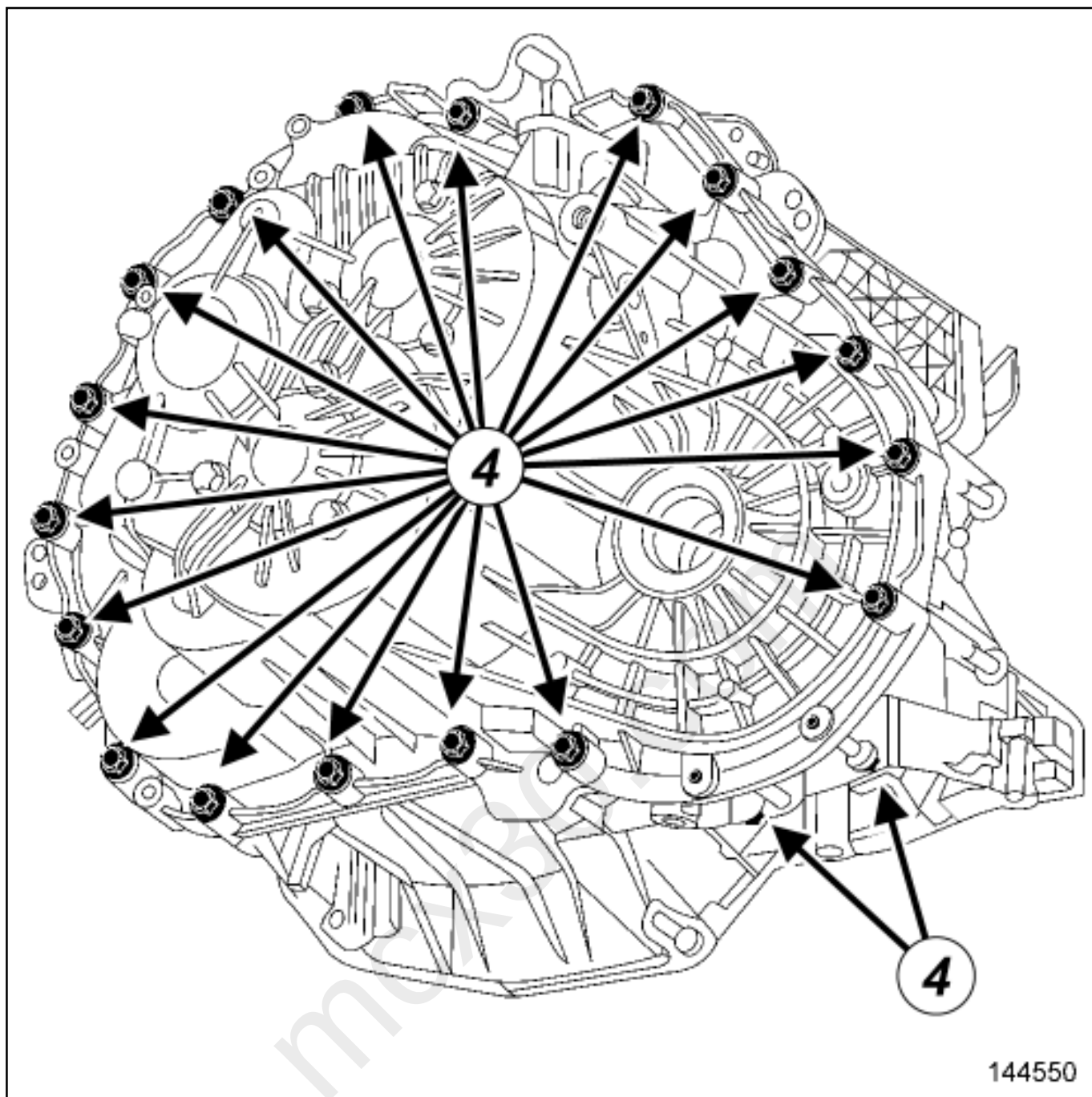


Remove the locating ball cartridge using the tool Inertia seal extractor (Bvi. 1948) (2) .

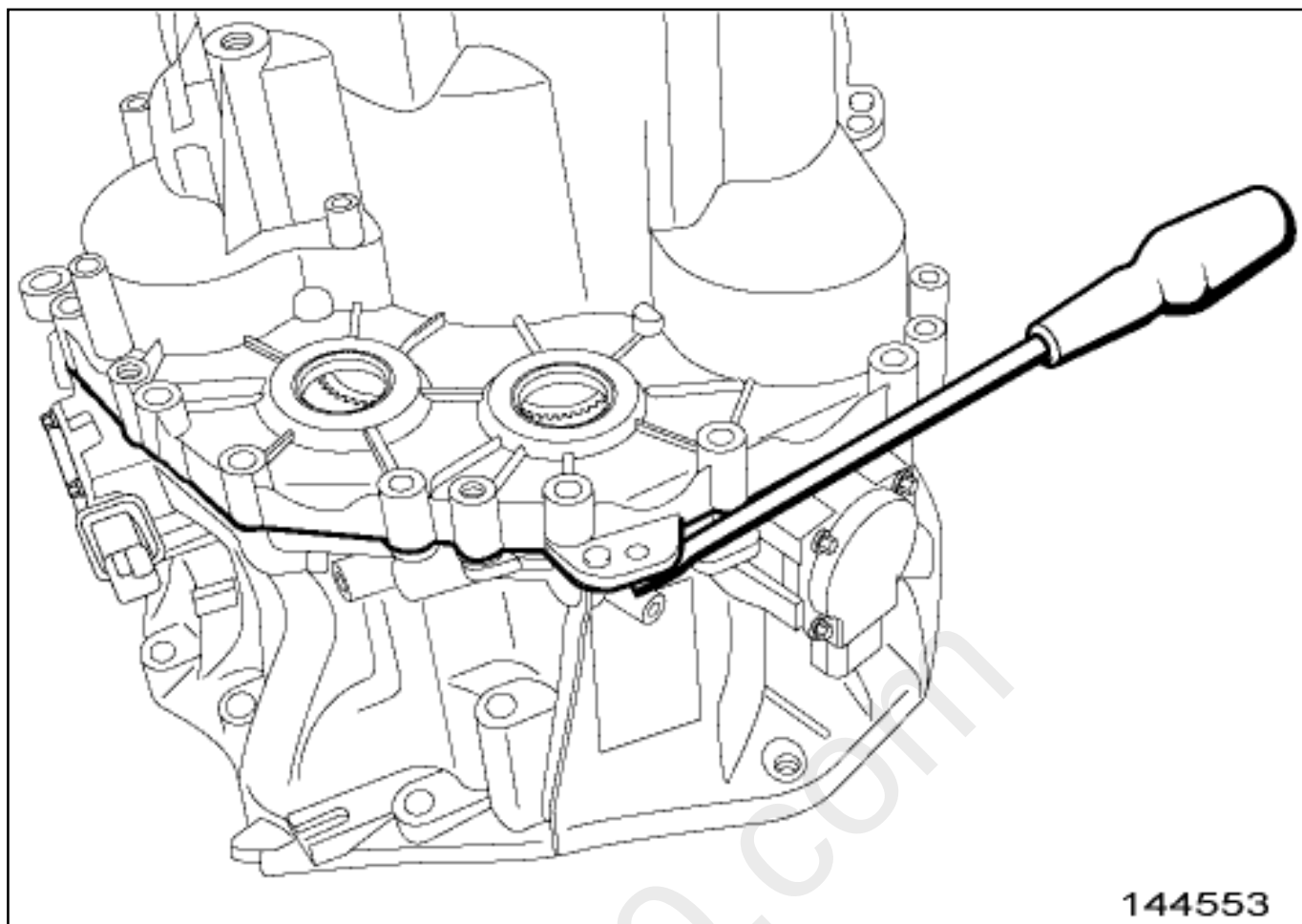


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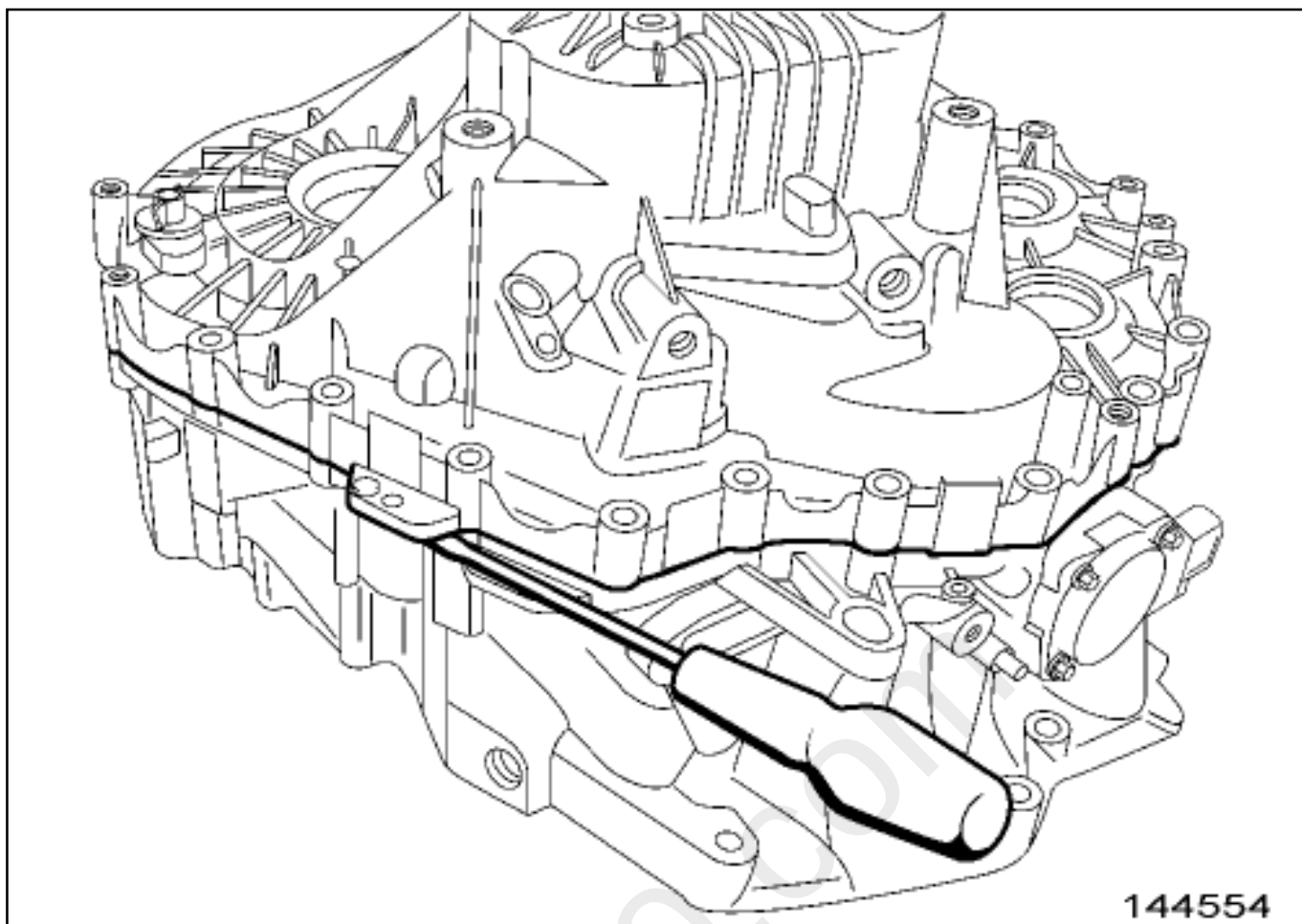
Remove the bolts from the automatic gearbox shafts(3) .



Remove the bolts from the mechanism housing(4) .



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Note:



To remove the mechanism housing, use the two ears of the housing as a lever so as not to damage the joint face.

Remove the mechanism 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).

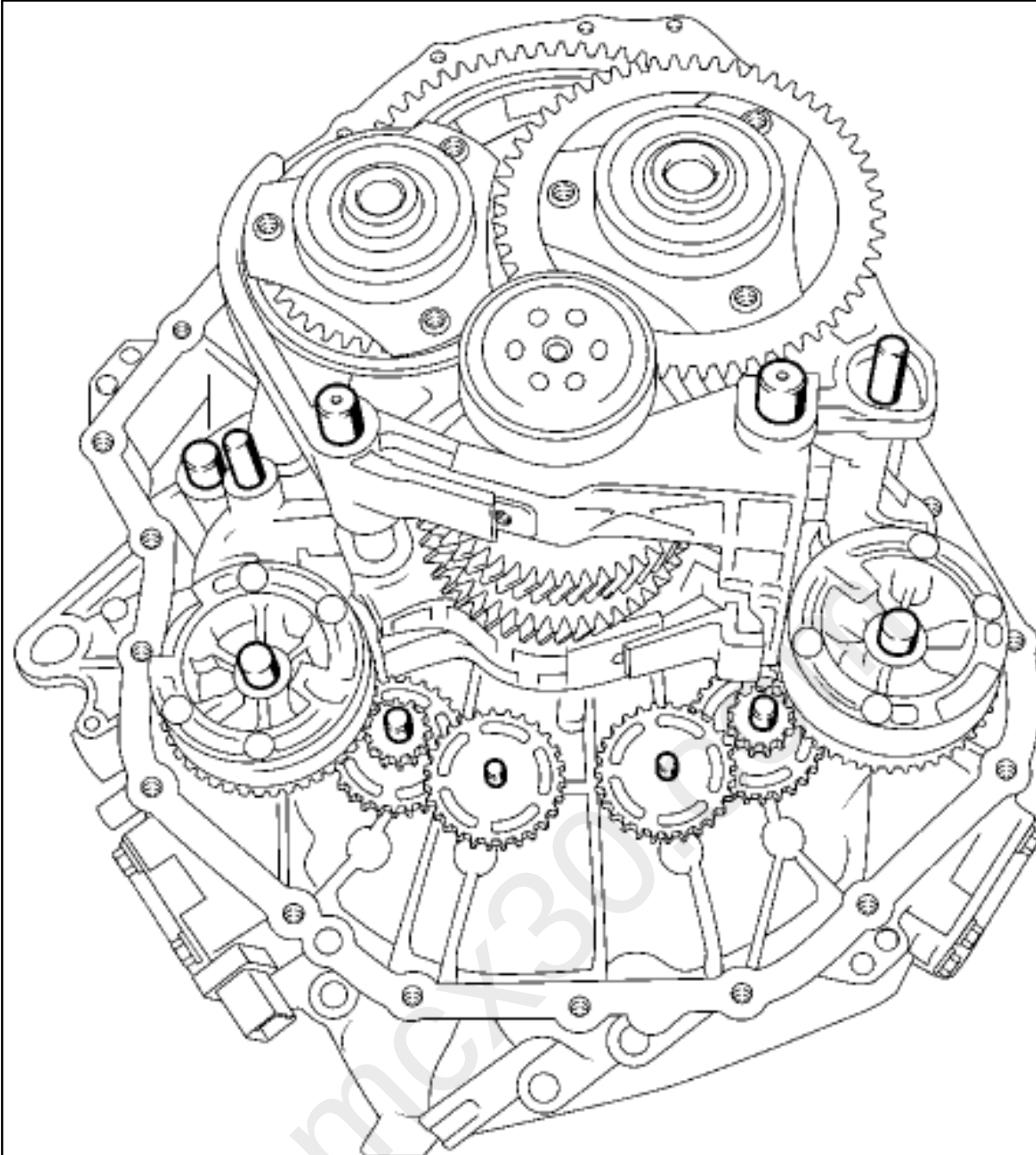
Always replace the seal of the gearbox casings.



CAUTION

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

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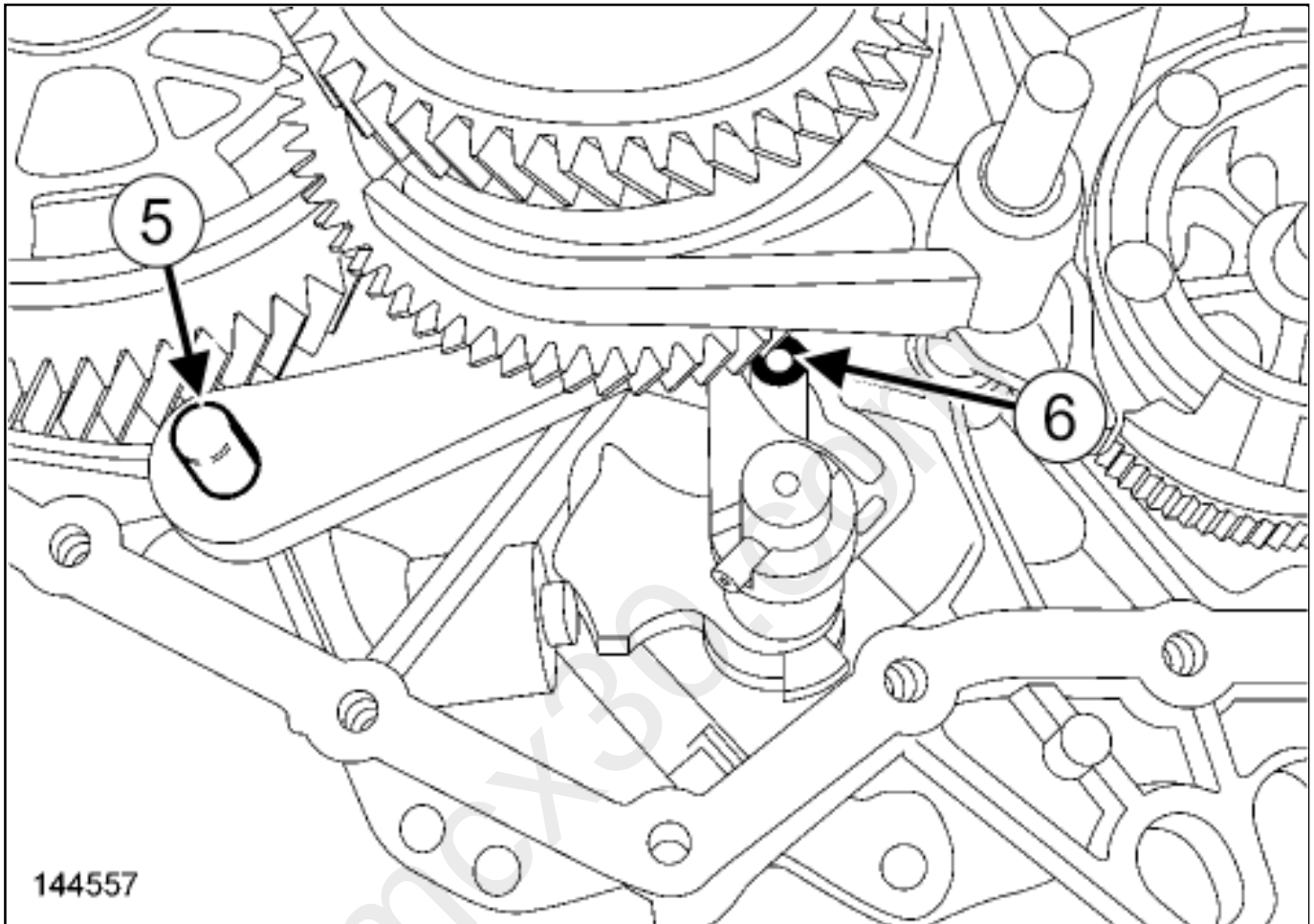
Check:

- the presence and correct position of all the control shafts on the clutch housing and the gear shift drums,
- the presence of the mechanism housing centring dowels.

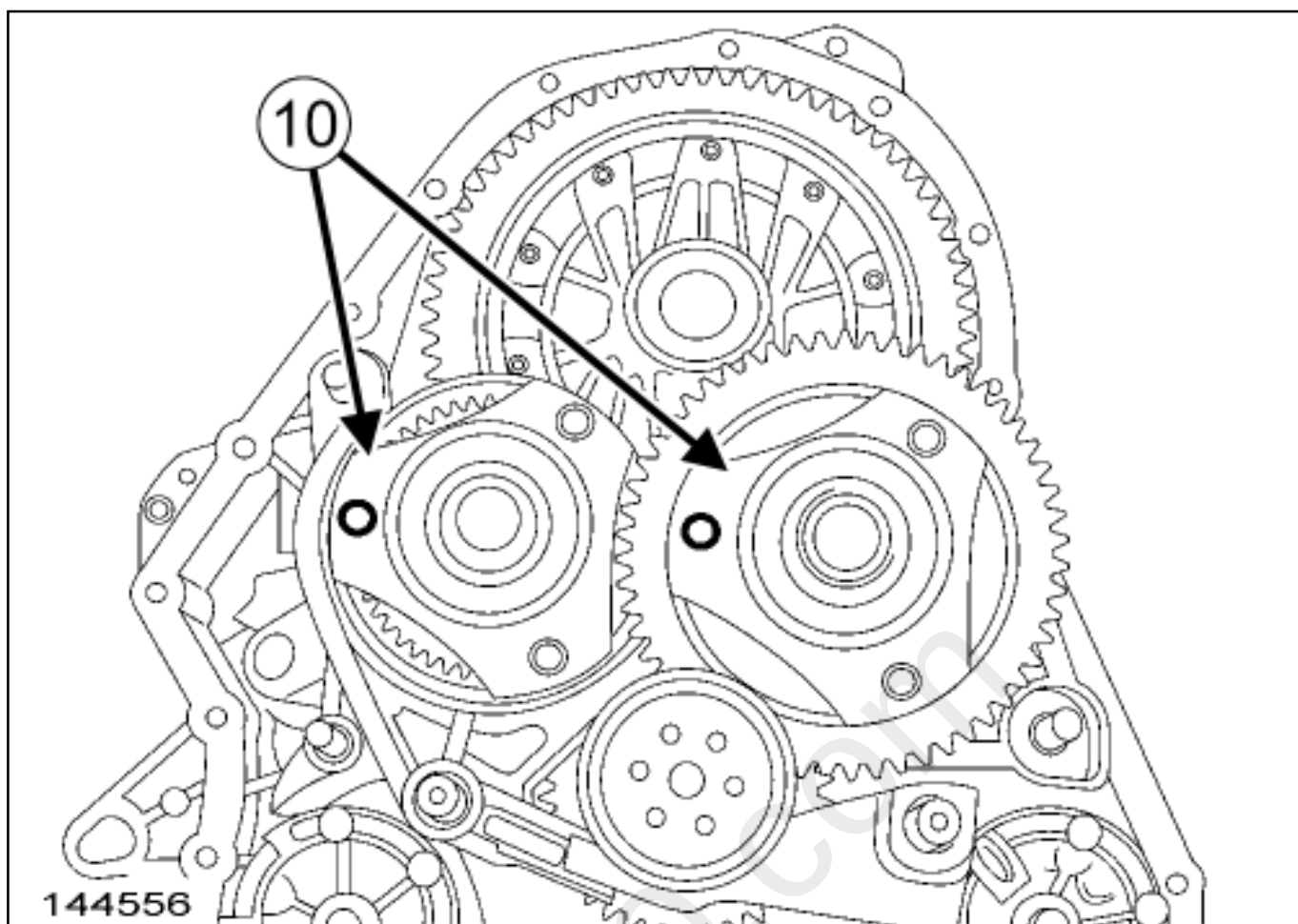


CAUTION

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



Check the presence and correct position of the parking finger shaft(5) as well as the parking finger pin which must be in the opening of the parking lever shaft(6) .



Position the retaining plates(10) correctly so that they correspond with the holes in the mechanism housing during refitting.

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.).



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



Refit the mechanism housing.

Guide the retaining plates(10) using a screwdriver.

Refit:



the automatic gearbox shaft bolts,



the mechanism housing bolts.

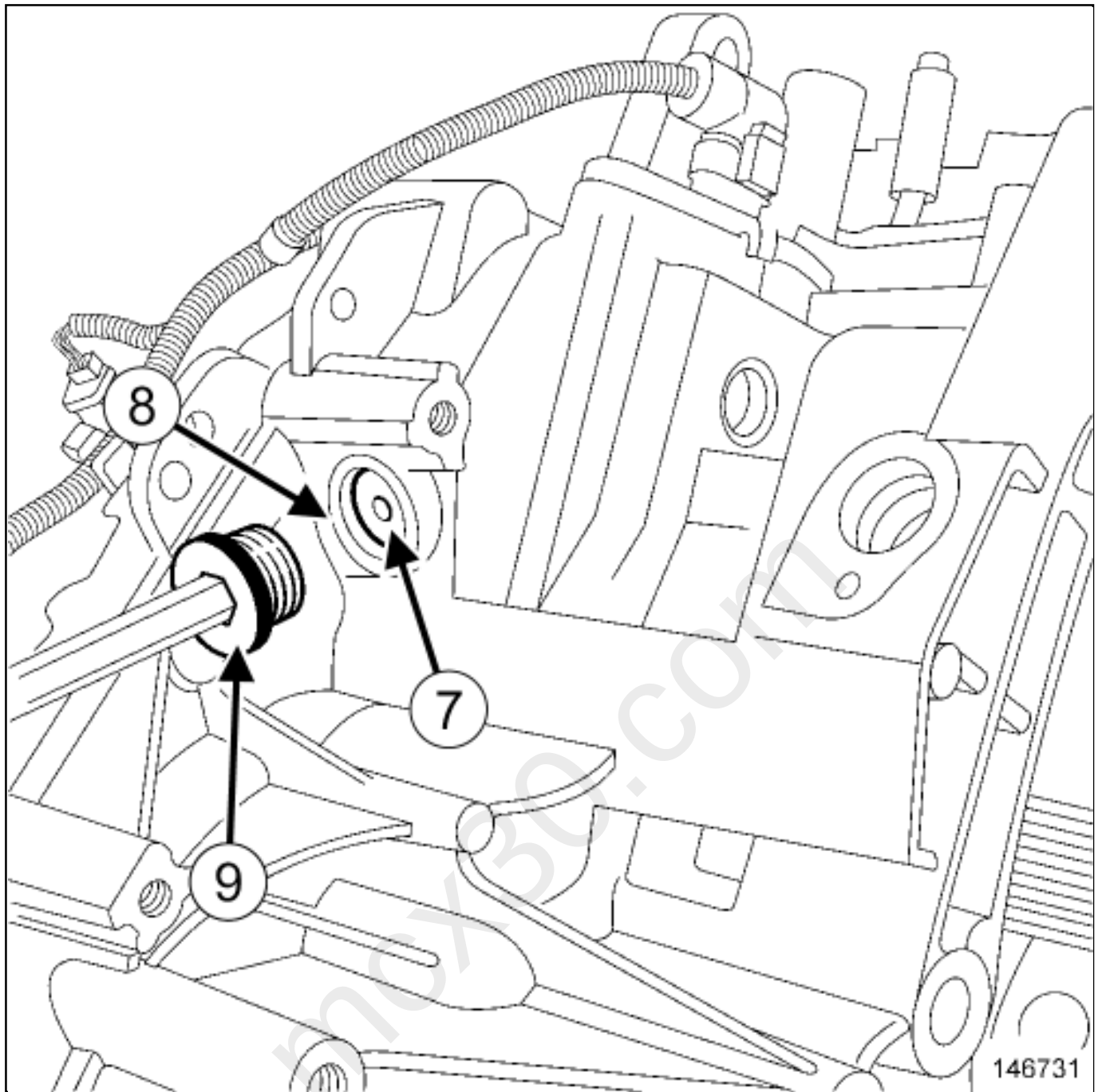
Torque tighten:



the mechanism housing bolts 27 N.m,



the automatic gearbox shaft bolts 33 N.m.



Fit the parking shaft locating ball cartridge(7) until 4 threads are showing in the threaded plug hole on the clutch housing(8) .



Refit the plug of the parking shaft locating ball cartridge(9) .