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INPUT SHAFT: STRIPPING - REBUILDING



Note, one or more warnings are present in this procedure



Special tooling required

Tools for removal - refitting of input shaft seals (DC4)	Bvi. 1954
DC4 gearbox internal renovation kit	Bvi. 1956
Tools for removal - refitting of input shaft seals	RSM. 9305
DC4 gearbox internal renovation	RSM. 9306

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).

STRIPPING

1. STRIPPING 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](#) ,
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- the automatic transmission computer [Automatic gearbox computer : Removal - Refitting](#) ,
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- the clutch pressure plate [Clutch: Removal - Refitting](#) ,
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- the clutch actuator motors [Clutch actuator motor: Removal - Refitting](#) ,
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- the clutch thrust bearing [Clutch thrust bearing: Removal - Refitting](#) ,
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- the clutch forks [Clutch fork: Removal - Refitting](#) ,
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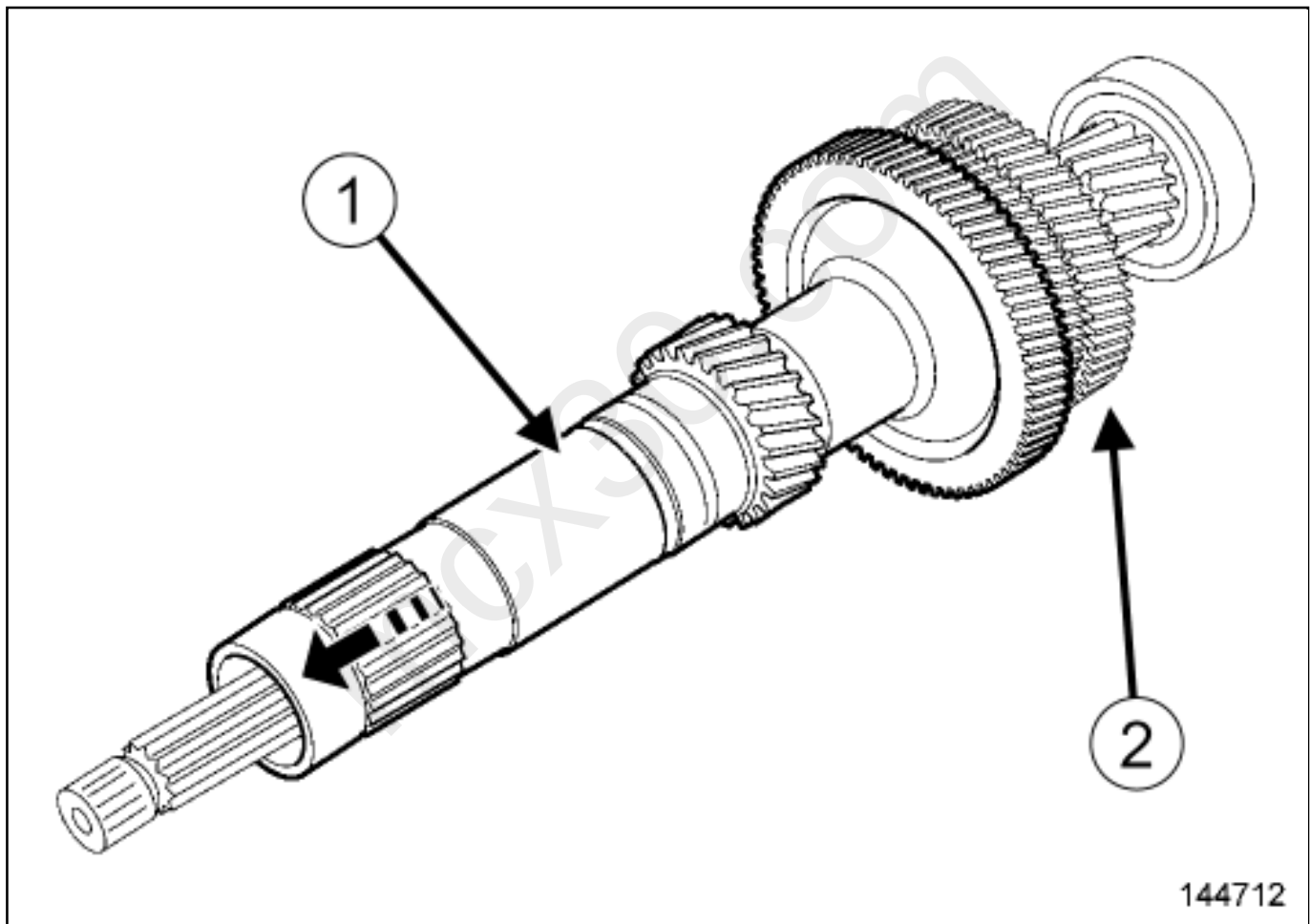
the input shaft lip seals [Input shaft lip seal: Removal - Refitting](#) ,

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

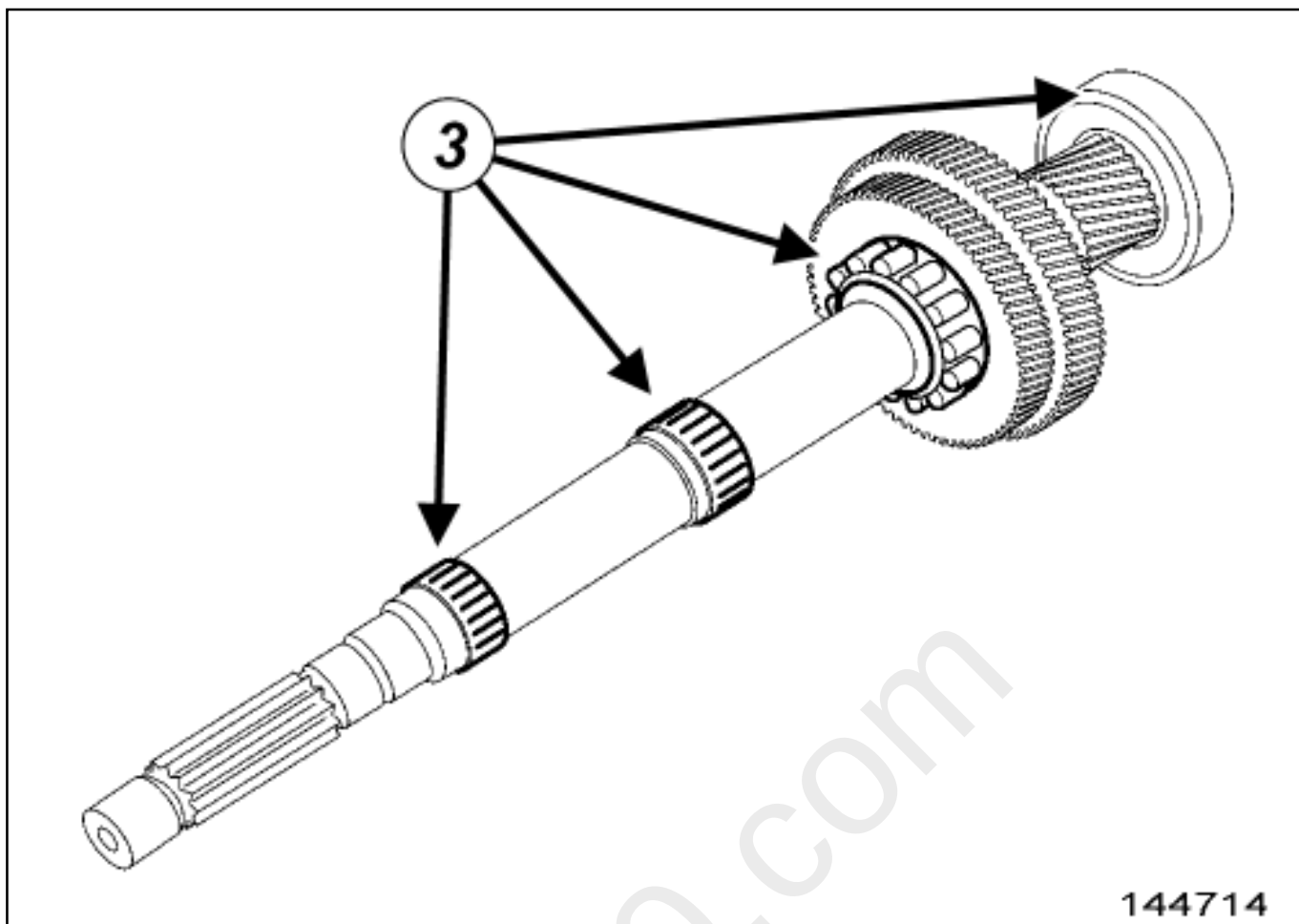
the input shaft bearing on the clutch housing [\(see 23A, Automatic gearbox , Clutch housing bearing: Removal - Refitting\)](#) ,

the gearbox shafts [\(see 23A, Automatic gearbox , Gearbox shaft: Removal - Refitting\)](#) .

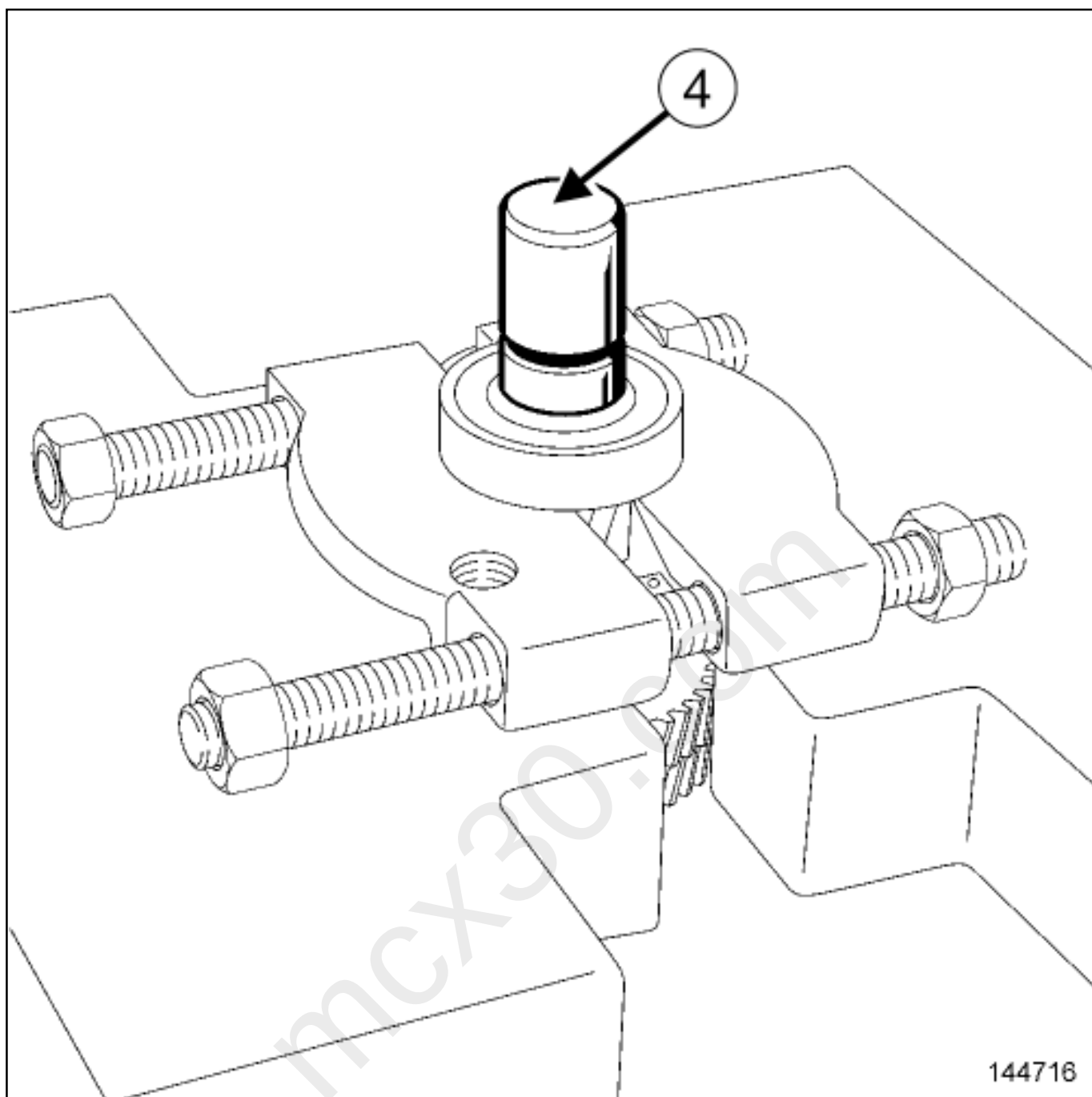
2. STRIPPING OPERATION FOR PART CONCERNED



Dismantle the 2 input shafts [\(1\)](#) and [\(2\)](#) .



Remove the bearings(3) from the input shaft.



Fit a separator under the input shaft bearing.



Remove the input shaft bearing using a press and the tool DC4 gearbox internal renovation kit (Bvi. 1956) E (4) .

1. REBUILDING PREPARATION OPERATION



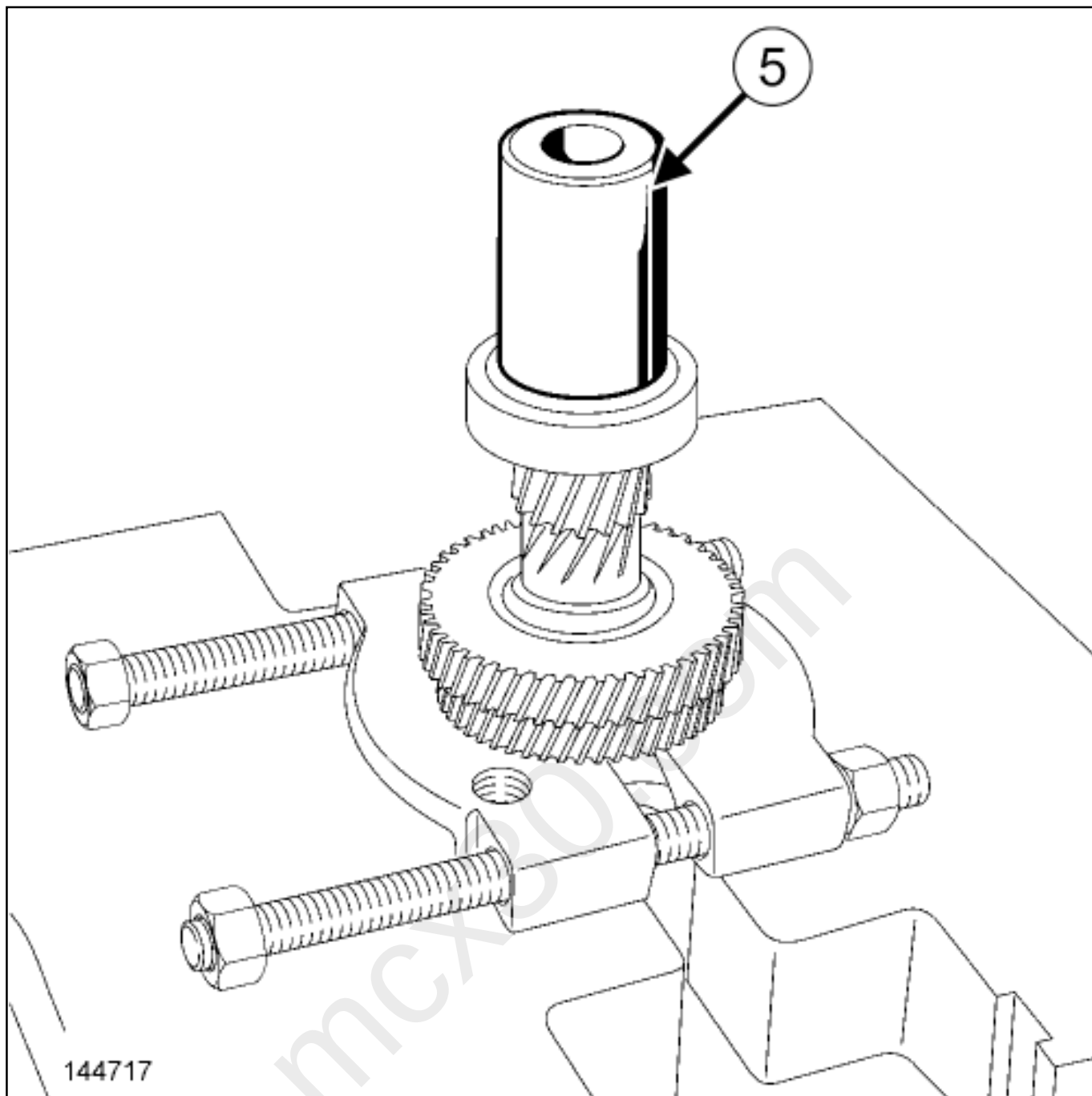
Clean all the removed parts [Vehicle: Parts and consumables for the repair](#) (04B, Consumables - Products).



Always replace the removed rings.

2. REBUILDING OPERATION FOR PART CONCERNED

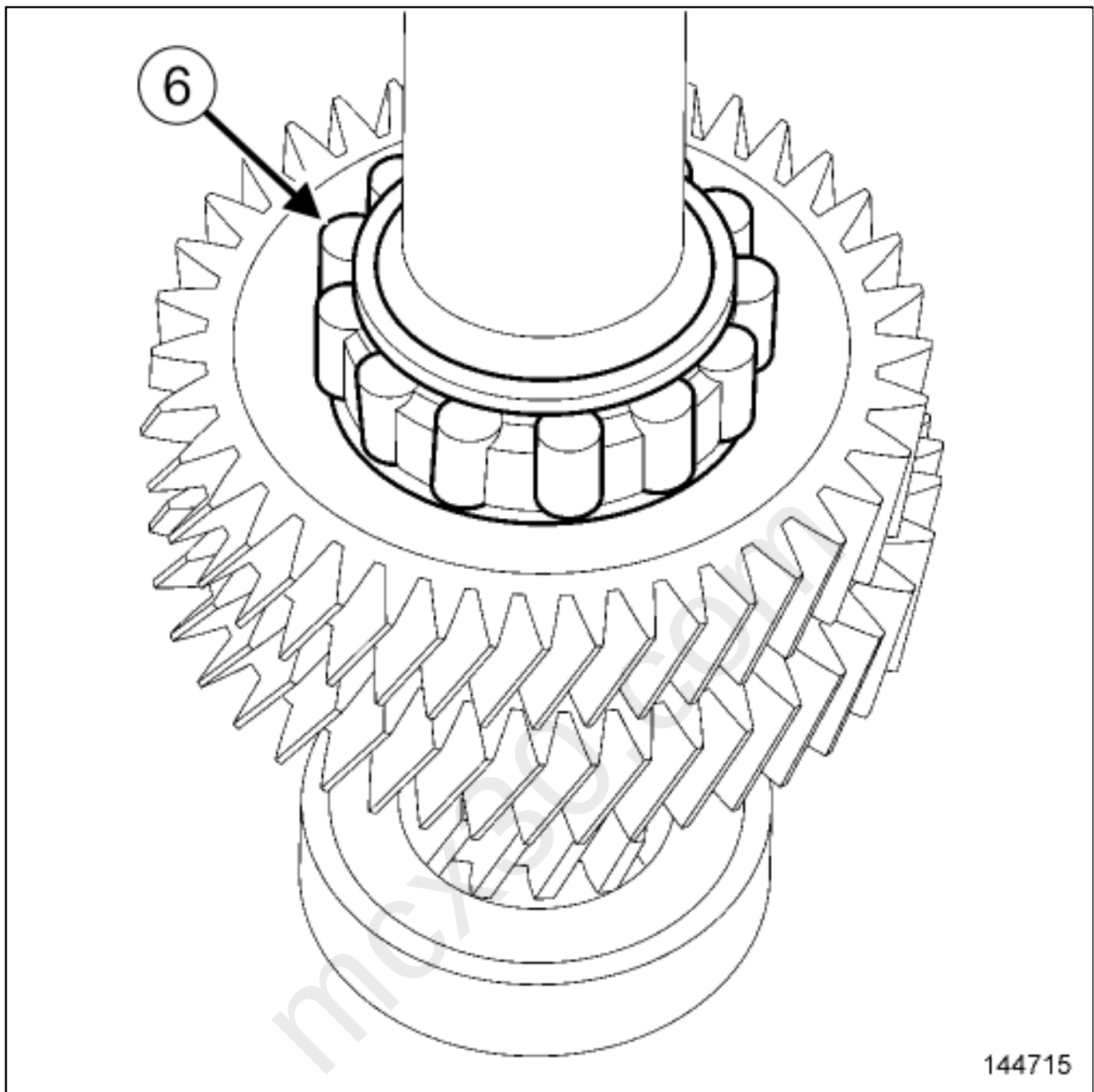
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Fit a separator under the 3rd gear pinion.



Refit a new input shaft bearing using a press and the toolDC4 gearbox internal renovation kit (Bvi. 1956) D (5) .



Note:



The large diameter bearing(6) has a direction of fitting. Make sure that it is refitted in the correct direction.

Refit new input shaft bearings.