

1. REFITTING PREPARATION OPERATION



Put the external gear control unit lever and the multifunction switch on the gearbox in position D.

2. REFITTING OPERATION



Fit:



the gear control unit control cable,



the bulkhead seal,



the bulkhead seal bolts.



Tighten the bulkhead seal bolts.



Lock the gear control cable sheath stop on the gearbox.



Clip the gear control cable anchoring ball joint onto the gearbox using pliers.

3. FINAL OPERATION



Proceed in the reverse order to removal.



AUTOMATIC GEARBOX: CHECK



Note, one or more warnings are present in this procedure



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).

CHECK

1. PREPARATION OPERATION FOR CHECK



Remove:



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



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



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



■ the speed sensors [Speed 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[\(see 23A, Automatic gearbox , Clutch housing: Removal - Refitting\)](#) ,

the automatic gearbox differential[\(see 23A, Automatic gearbox , Automatic gearbox differential: Removal - Refitting\)](#) ,

the gearbox control forks[\(see 23A, Automatic gearbox , Gear box control fork: Removal - Refitting\)](#) ,

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

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

the automatic gearbox differential bearings[\(see 23A, Automatic gearbox , Automatic gearbox differential bearing: Removal - Refitting\)](#) ,

the mechanism housing bearings(see) ,

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

the fork shaft rings[\(see 23A, Automatic gearbox , Fork shaft ring: Removal - Refitting\)](#) .

Strip:

the output shafts[\(see 23A, Automatic gearbox , Output shaft: Stripping - Rebuilding\)](#) ,

the input shaft[\(see 23A, Automatic gearbox , Input shaft: Stripping - Rebuilding\)](#) .

2. TEST OPERATION

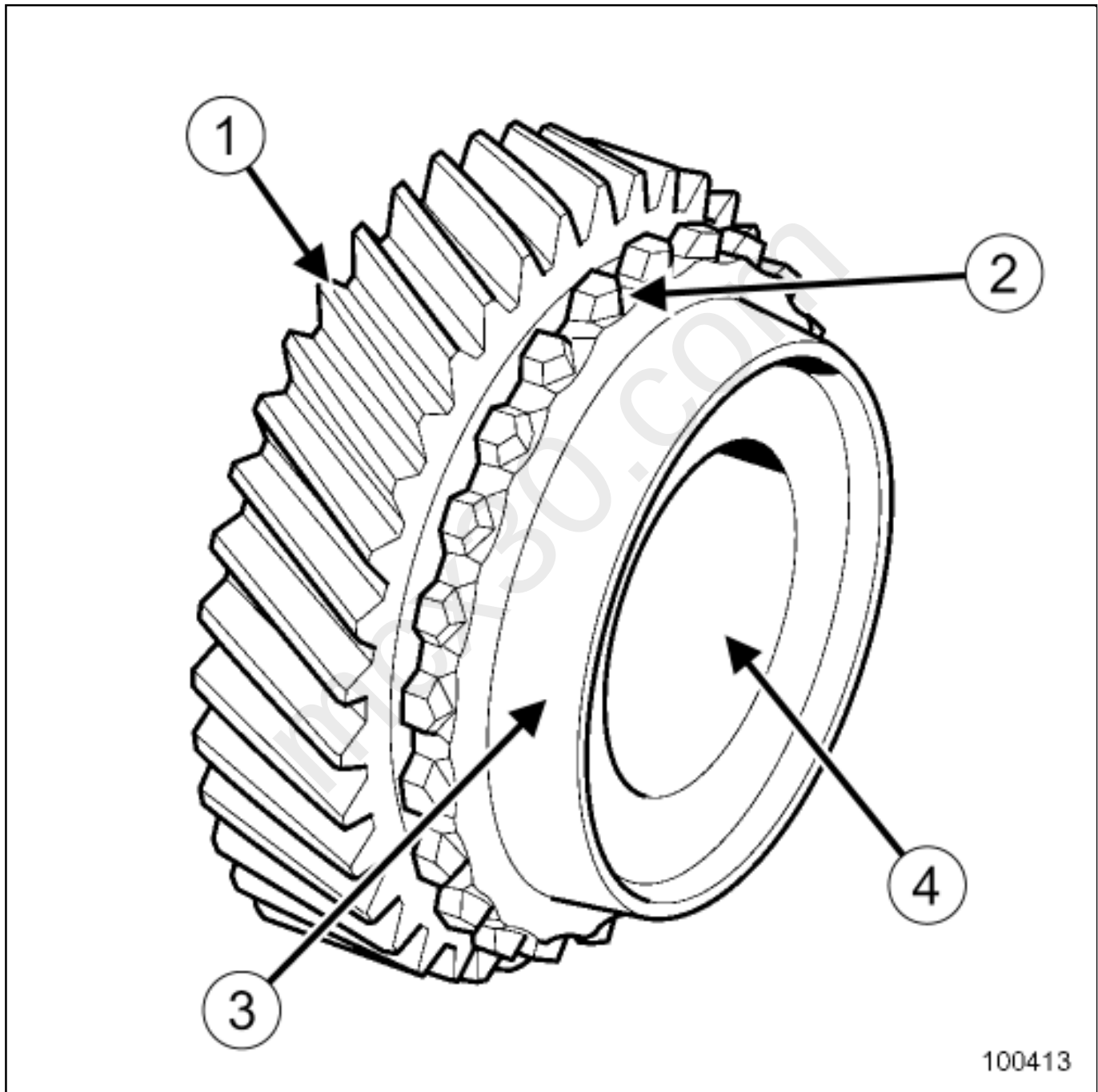
Clean the parts carefully before any checks[Vehicle: Parts and consumables for the repair](#) (04B, Consumables - Products).



Note:

The check focuses mainly on visual appearance (wear, fracturing, cracks, scratches, hot spots, chipping, etc.).

1- PINION:



Check that:



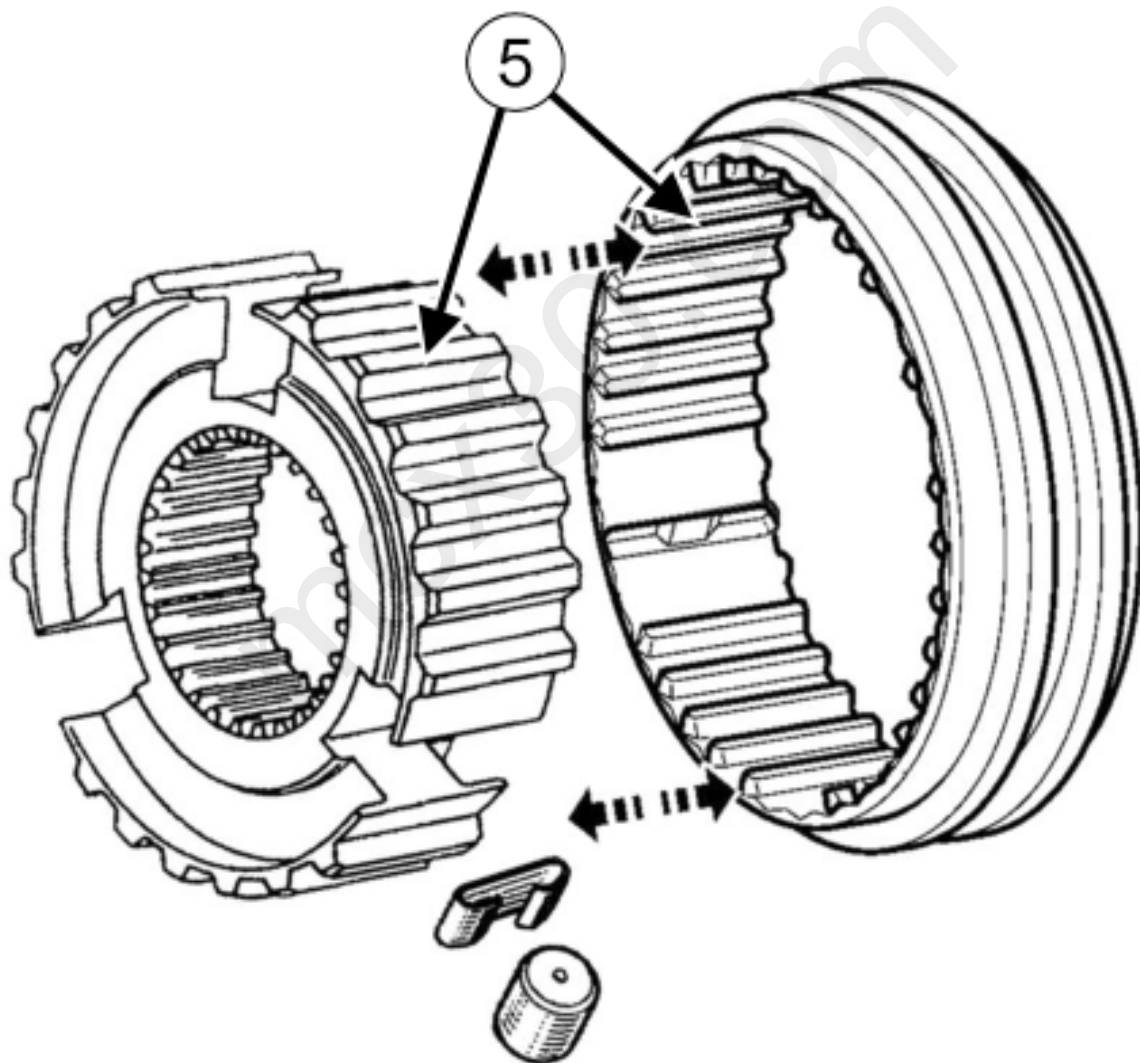
the teeth(1) are not chipped or broken,

the claws(2) are not chipped or broken,

the friction cones(3) show no sign of scratches or blue stains,

the inner walls(4) show no sign of scratches, seizing or wear.

2- SYNCHRONISER HUB:



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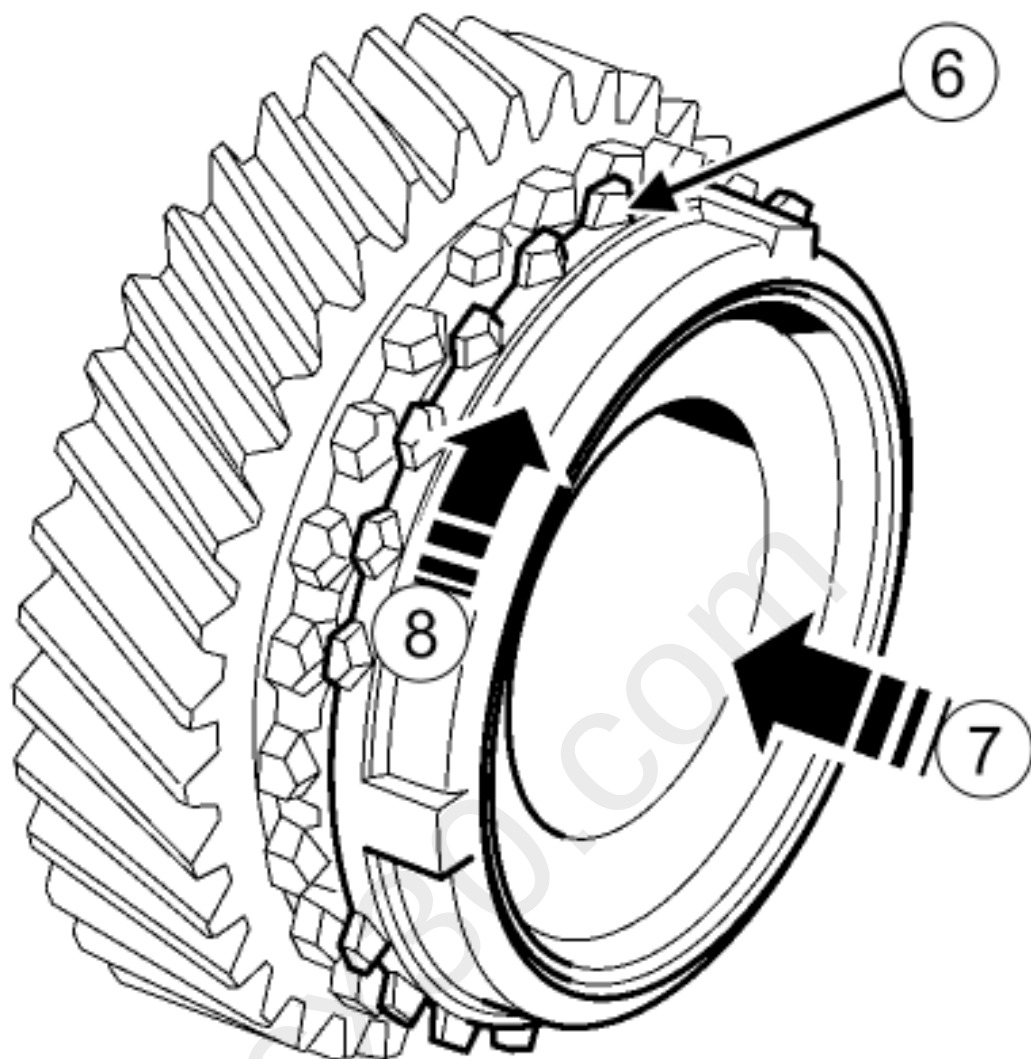


Check that:

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- the teeth(5) are not chipped or broken,
- both parts slide correctly,
- the locking ball.

3- SYNCHRONISING RING:

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Check that:

- the teeth of the claws(6) are not worn, chipped or broken,
- the strip of the synchroniser ring is not worn.

Note:



To check that the synchroniser ring is working correctly, push the ring(7) on the friction cone and rotate(8) : the ring should not turn.

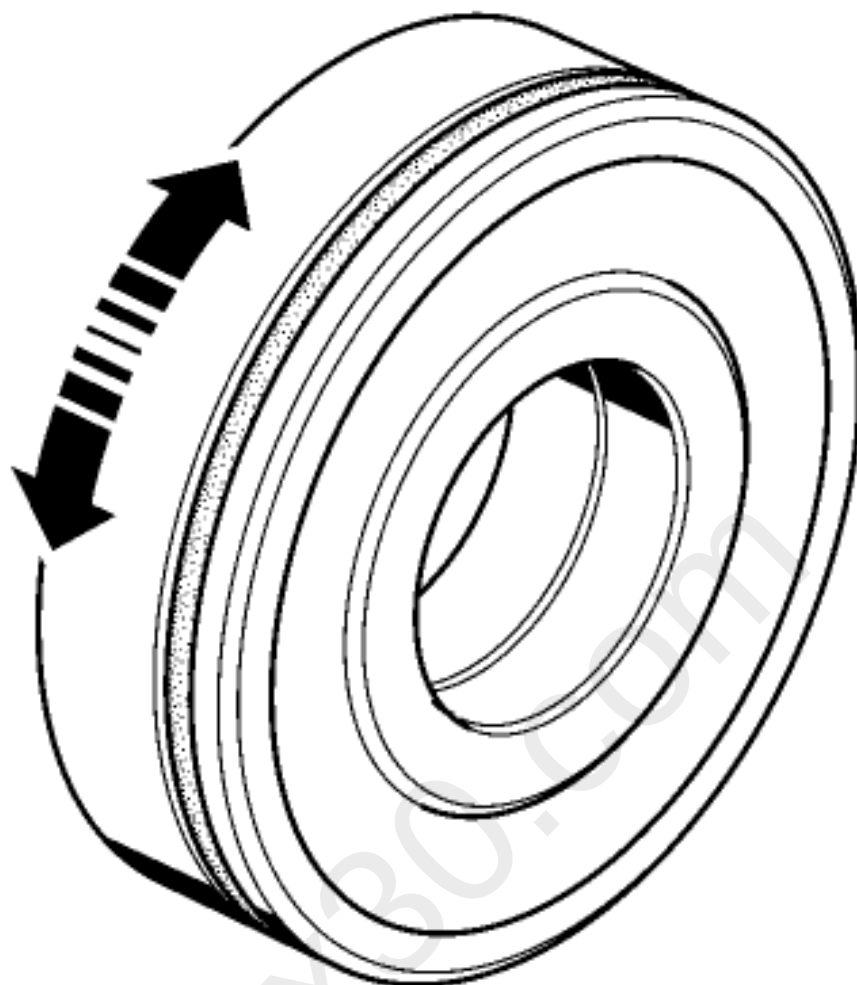
Otherwise, replace the synchroniser ring.

4- BEARING:

Note:



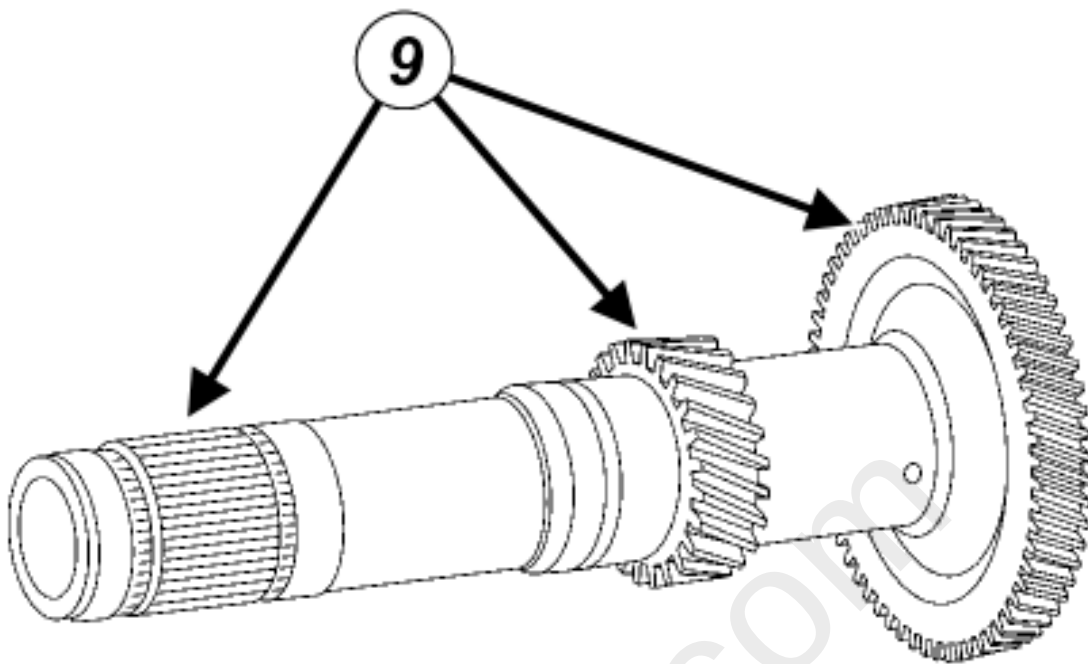
The bearing check is only performed in the context of final fault finding confirmation as a bearing must be replaced whenever it is removed.



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Check:

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- that the bearing rotation is correct and does not make a noise,
- the lateral play.



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Check that:

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- the teeth(9) are not worn, chipped or broken,
-
- the bearing mating faces do not show signs of scratches, wear or blue stains.