

Proceed in the reverse order to removal.



Repair-12x07x02x42-01x37-1-1-1.xml



XSL version : 3.02 du 22/07/11

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AUTOMATIC GEARBOX DIFFERENTIAL: REMOVAL-REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

DC4 gearbox internal renovation kit

Bvi. 1956

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](#) ,

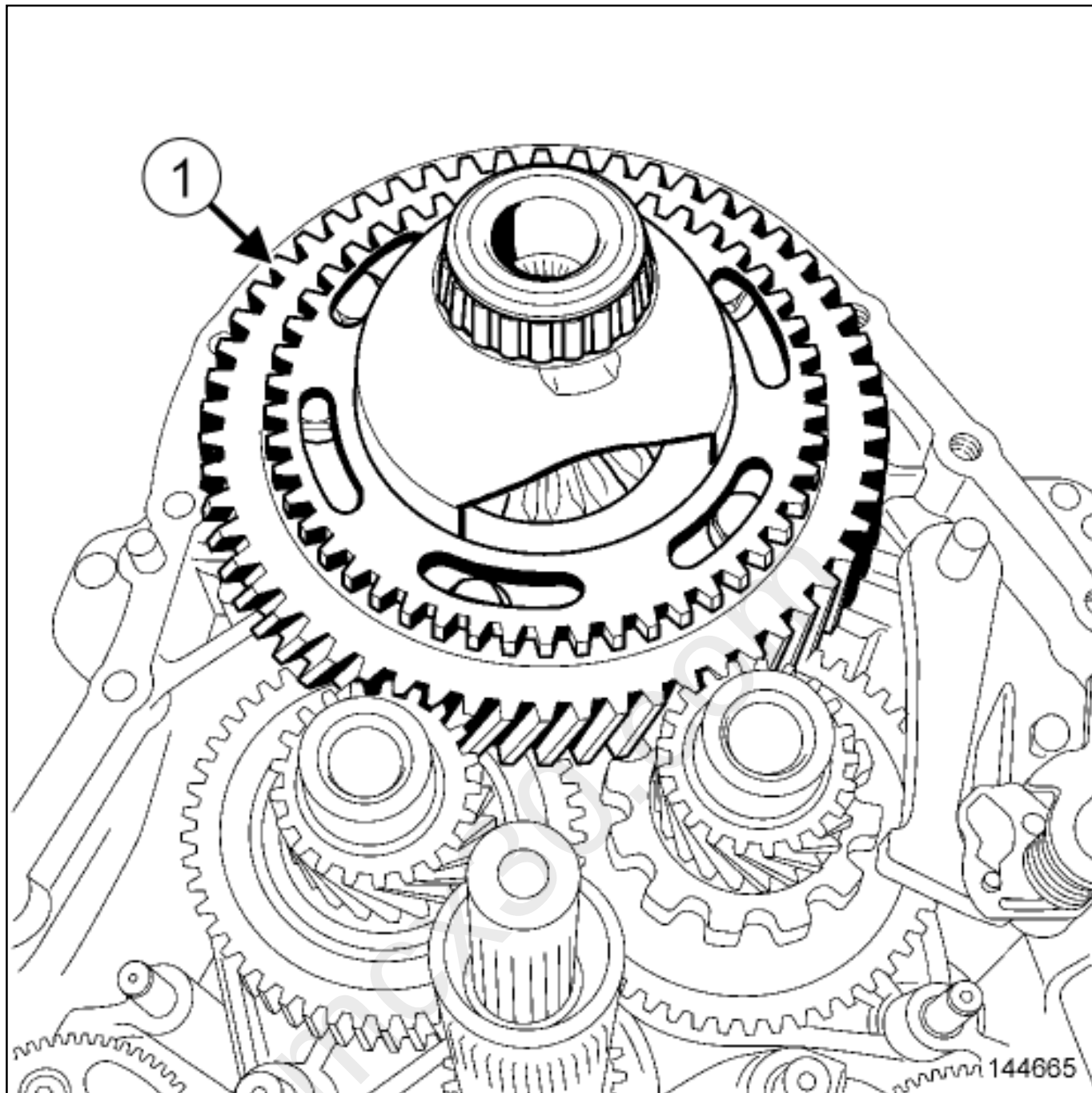
■ the clutch thrust bearing [Clutch thrust bearing: Removal - Refitting](#) ,

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

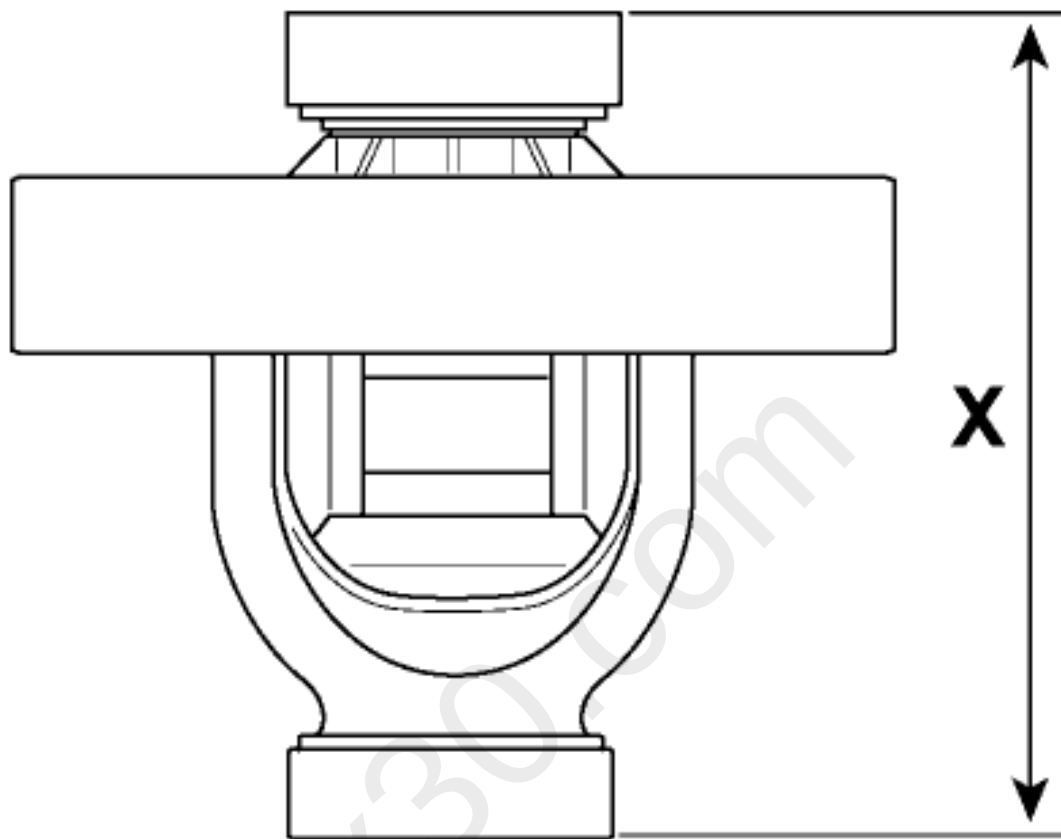
■ the input shaft lip seal [Input shaft lip seal: Removal - Refitting](#) ,

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

2. REMOVAL OPERATION



Remove the differential(1) .



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Note:



Measure the differential if it must be replaced.

The choice blocks for new differential will be by comparing dimension between the old and the new differential.

Remove the bearings side with an extractor

REFITTING

1. REFITTING PREPARATION OPERATION



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



Parts always to be replaced:

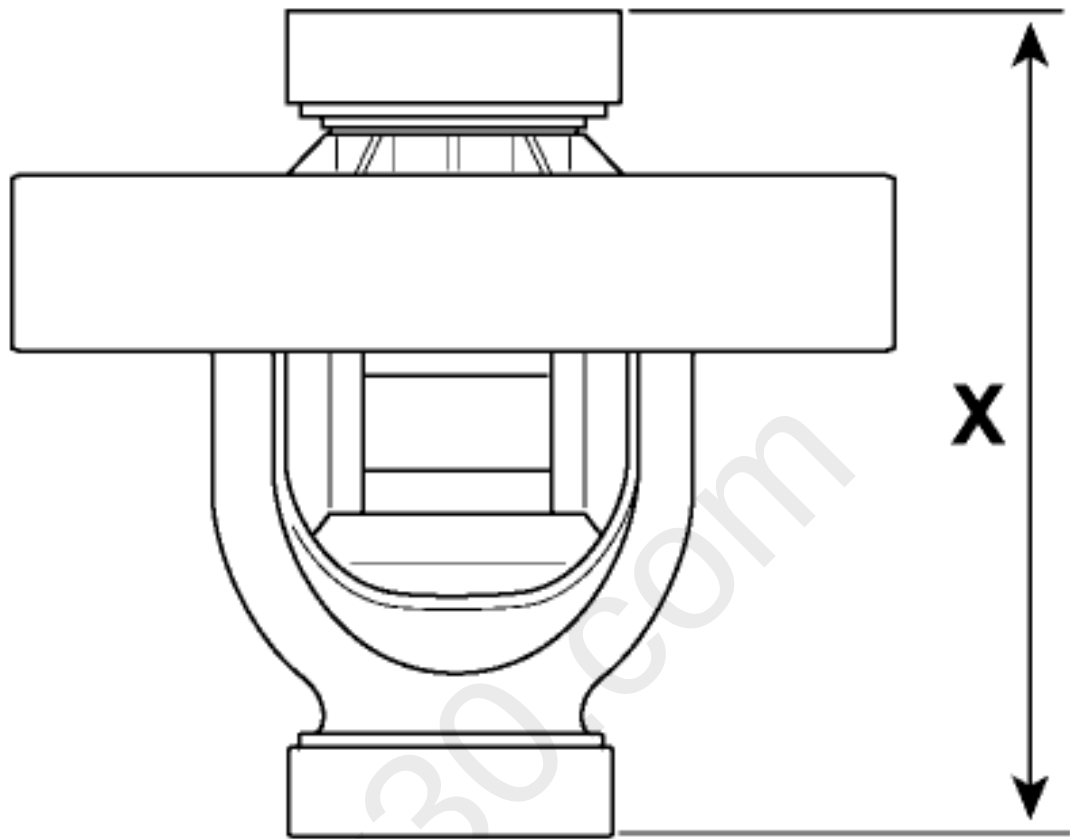


the differential bearings.

2. REFITTING OPERATION



Refit the bearings with a press, applying pressure using the tool DC4 gearbox internal renovation kit ([Bvi. 1956](#))



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Measure the differential in X..

Note:



If the dimension X is the same, using the olds blocks.

If the dimension X is different, fit the blocks appropriate to recover the dimension of the old shaft.