

DIAGNOSTIC TOOL : USE

Equipment required
Diagnostic tool

1. BEFORE / AFTER REPAIR PROCEDURE

Switch on the ignition.

Connect the Diagnostic tool.

Select the concerned computer.

Go to repair mode.

Display the "Before / After repair procedure" for the computer selected.

If necessary, select the concerned component in the "List of components stored in the computer" section.

Carry out the operations described in the "Before repair procedure" section or in the "After repair procedure" section, according to the case.

Switch off the ignition.



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DIFFERENTIAL OUTPUT SEAL: REMOVAL-REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Tool for fitting the bearing cage into the housing.	Bvi. 1419
Inertia seal extractor	Bvi. 1948
Tool for fitting differential output seals (DC4)	Bvi. 1953



parts always to be replaced:



Differential output seal



WARNING

Before carrying out any operation on a vehicle fitted with the Stop & Start system, always follow the safety instructions [Vehicle: Precautions for the repair](#) .

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](#) .



REMOVAL

1. REMOVAL PREPARATION OPERATION

Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .

Remove the engine undertray.

Drain the gearbox [\(see 23A, Automatic gearbox, Automatic gearbox oil: Draining - Filling\)](#) .

1- WHEN REPLACING A DIFFERENTIAL OUTPUT SEAL ON THE RIGHT-HAND SIDE

Remove:



the front right-hand wheel [Wheel: Removal - Refitting](#) ,



the front right-hand wheel driveshaft [Front right-hand driveshaft: Removal - Refitting](#) .

2- WHEN REPLACING A DIFFERENTIAL OUTPUT SEAL ON THE LEFT-HAND SIDE

Remove:

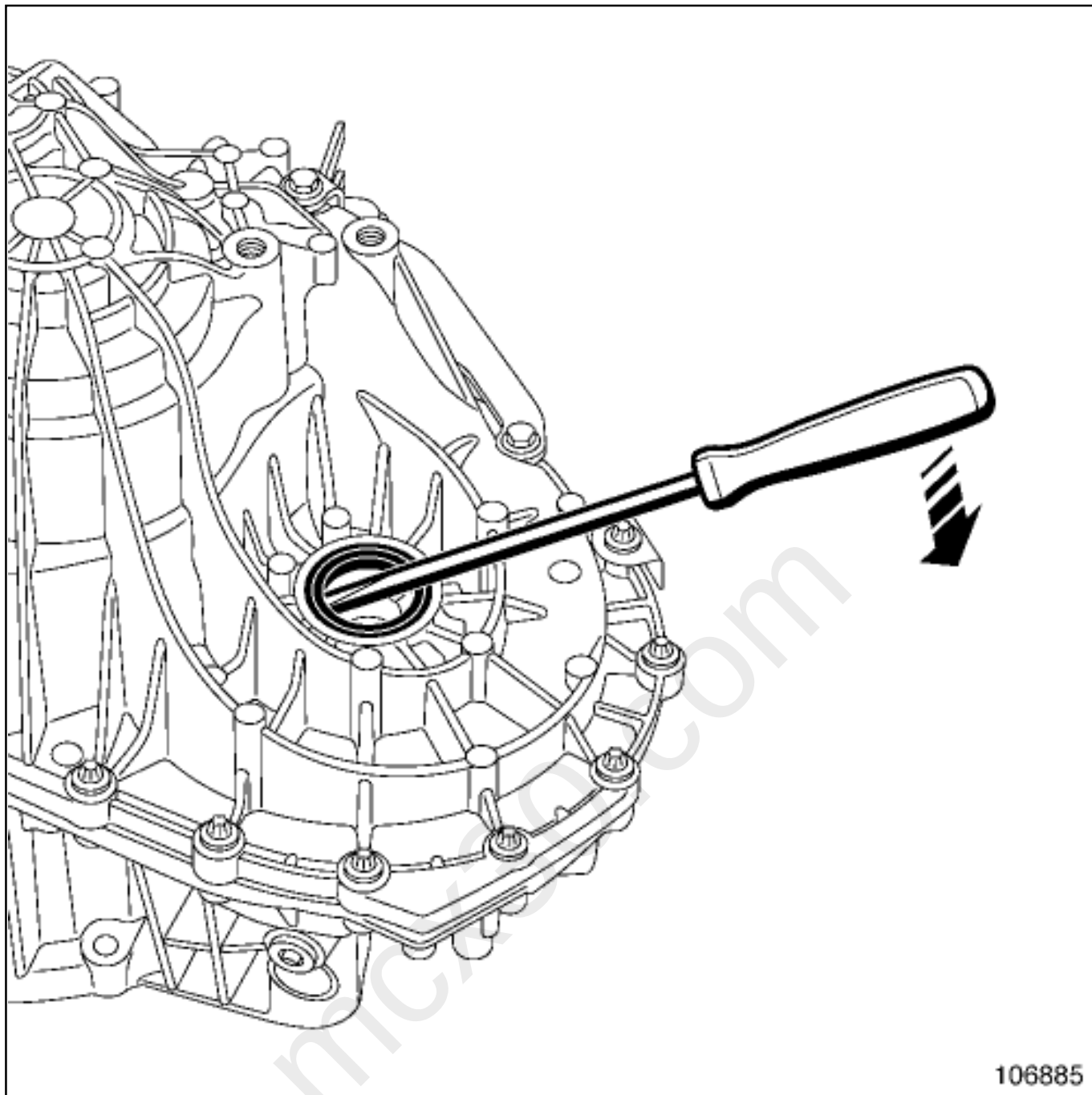


the front left-hand wheel [Wheel: Removal - Refitting](#) ,



the front left-hand driveshaft [Front left-hand driveshaft: Removal - Refitting](#) .

2. OPERATION FOR REMOVAL OF PART CONCERNED



Remove the left-hand seal using a screwdriver, taking care not to damage the housing.

Remove the right-hand seal using the tool Inertia seal extractor (Bvi. 1948) .

REFITTING

1. REFITTING PREPARATION OPERATION



parts always to be replaced: Differential output seal .

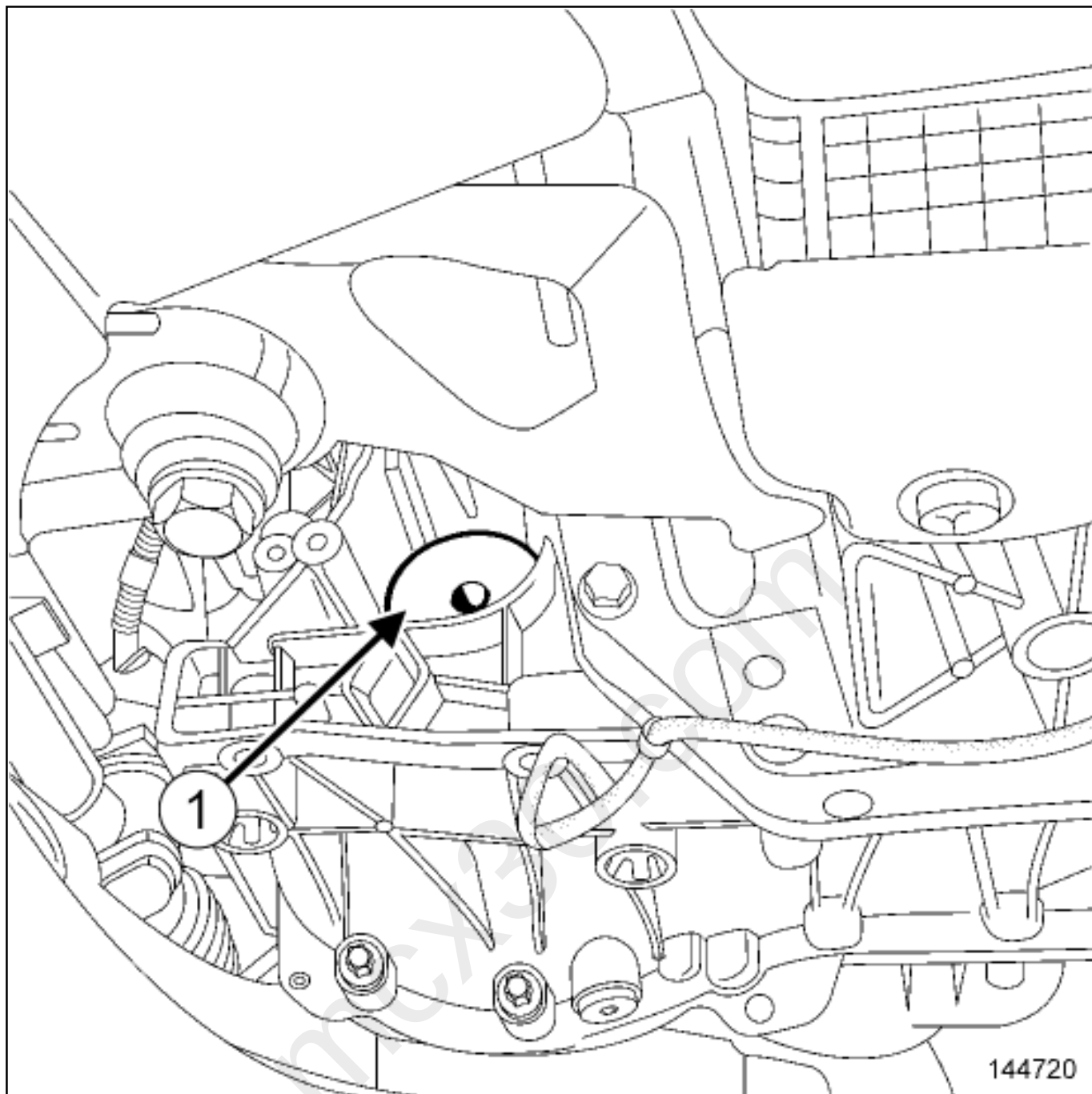


Use surface cleaner Vehicle: Parts and consumables for the repair to clean the mating face of the differential output seal.

2. REFITTING OPERATION FOR PART CONCERNED

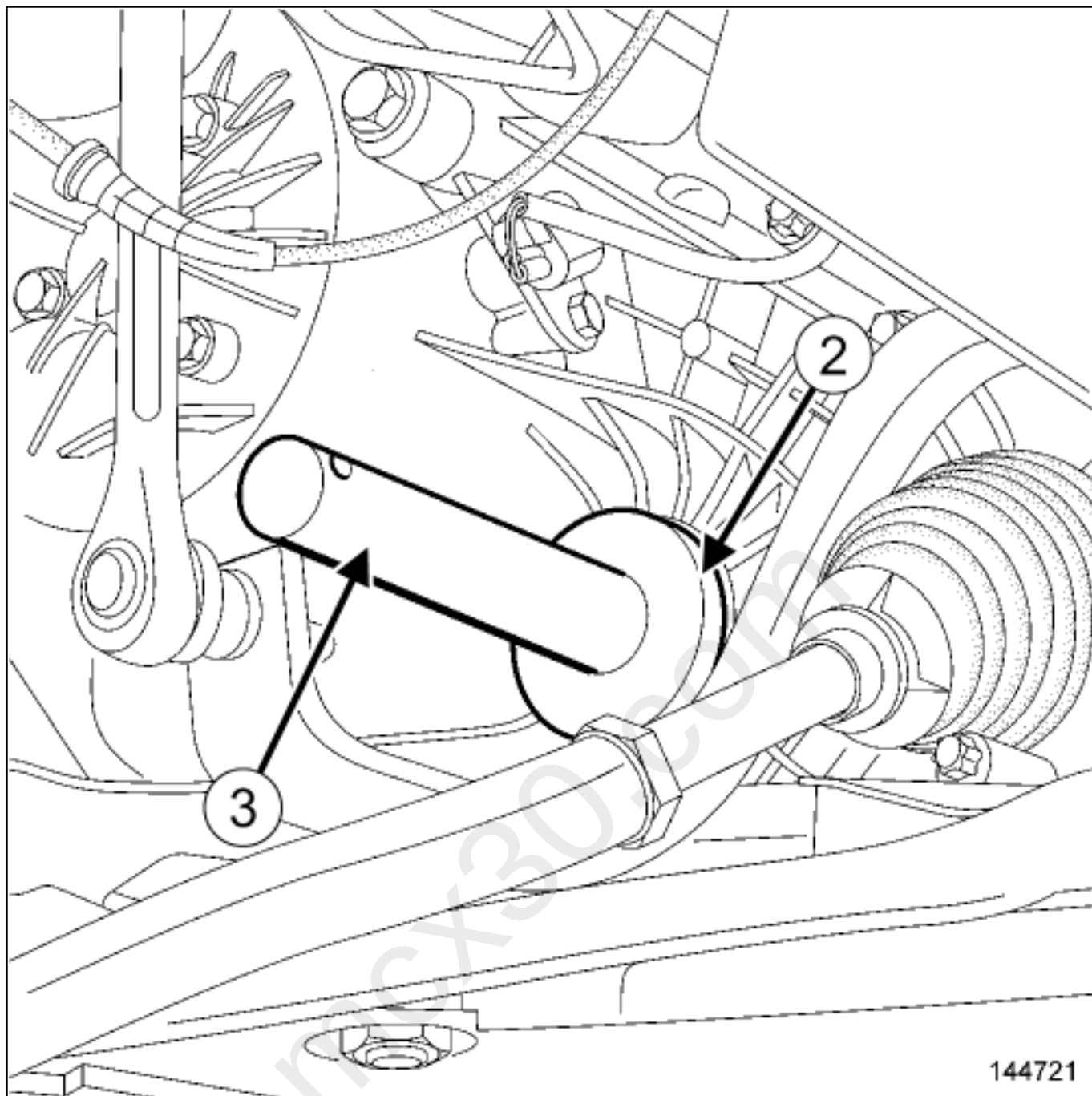
1- WHEN REPLACING A DIFFERENTIAL OUTPUT SEAL ON THE RIGHT-HAND SIDE

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Refit the right-hand differential output seal using the tool Tool for fitting differential output seals (DC4) (Bvi. 1953) (1) .

2- WHEN REPLACING A DIFFERENTIAL OUTPUT SEAL ON THE LEFT-HAND SIDE



Refit the left-hand differential output seal using the tool Tool for fitting differential output seals (DC4) (Bvi. 1953) (2) and a copper hammer Tool for fitting the bearing cage into the housing.(Bvi. 1419) (3) .

3. FINAL OPERATION

Proceed in the reverse order to removal.