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MANUAL GEARBOX: PRECAUTIONS FOR THE REPAIR



Note, one or more warnings are present in this procedure



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](#)

1. SAFETY

1- GENERAL INFORMATION



This method provides information which will allow you to:

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- acquire good knowledge of the component on which you will be working,
- benefit from the best repair conditions,
- obtain optimum component operation and meet customer requirements,
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- optimise component repair time.

It is worth taking the time to read this method as you will gain time later on during the repairs.

1) GENERAL RECOMMENDATIONS

Observe basic principles of vehicle repair.

The quality of repair depends first and foremost on the care exercised by the person in carrying it out.

Carry out the operation on the component on a clean working area.



To ensure good repair:

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- use the recommended consumables [Vehicle: Parts and consumables for the repair](#) ,

■ use the recommended tools,

■ observe the tightening torques,

■ observe the recommendations for parts that should always be replaced after removal, refitting or replacement operations,

■ clean and degrease the sections to be bonded, to ensure they bond correctly.



CAUTION

To ensure proper sealing, the gasket surfaces must be clean, dry and not greasy (avoid any finger marks).



CAUTION

Do not scrape the joint faces of the aluminium, any damage caused to the joint face will result in a risk of leaks.

Use professional products and apply them with care, for example do not apply too much sealing paste to the sealing surface to prevent damaging the component.



CAUTION

Applying excess sealant could cause it to be squeezed out when parts are tightened. A mixture of sealant and fluid may cause damage to some components.

■ Observe the chronological order of the steps:

■ remove the component,

■ clean the component before repairing,

■ remove the part(s) concerned

- check the part(s) removed,
- replace faulty part(s) with new part(s),
- perform the necessary adjustments and/or settings so that the component operates correctly,
- observe the tightening torques.



Note:

To prevent any pollution and to ensure the quality of the repair, it is strictly forbidden to reuse the drained gearbox oil.



Note:

Ensure sure that the parts removed match up and ensure that they are refitted in the correct order.

2)SPECIAL TOOLING

Use suitable tools which are in good condition (use of "multi-purpose" tools, such as adjustable pliers, etc., should be avoided wherever possible).

For good quality repairs and for working in safe conditions, use only special tooling.

3)SAFETY



Equipment risks:



The "Note" heading used in the description of the method indicates that particular care should be taken for the operation described.



The "Important" heading used in the description of the method indicates that there is a risk of damage to the component.

