

Proceed in the reverse order to the preparation operation for the check.



Repair-12x07x01-01x58-1-1-1.xml



XSL version : 3.02 du 22/07/11

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AUTOMATIC GEARBOX COMPUTER : REMOVAL-REFITTING



Note, one or more warnings are present in this procedure



Equipment required

Diagnostic tool



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](#) .

The DC4 gearbox has a computer which includes two actuator motors for the gear shift drums.



Note:

Do not touch the metal contacts of the computer - an electrostatic discharge can damage the shift drum actuator motors.

REMOVAL

1. REMOVAL PREPARATION OPERATION

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

In the event of replacement, apply the Before repair procedure using the Diagnostic tool [Diagnostic tool : Use](#) :

-Computer concerned by the Before repair procedure:

"Automatic gearbox computer" .

Disconnect the battery [Battery: Removal - Refitting](#) .

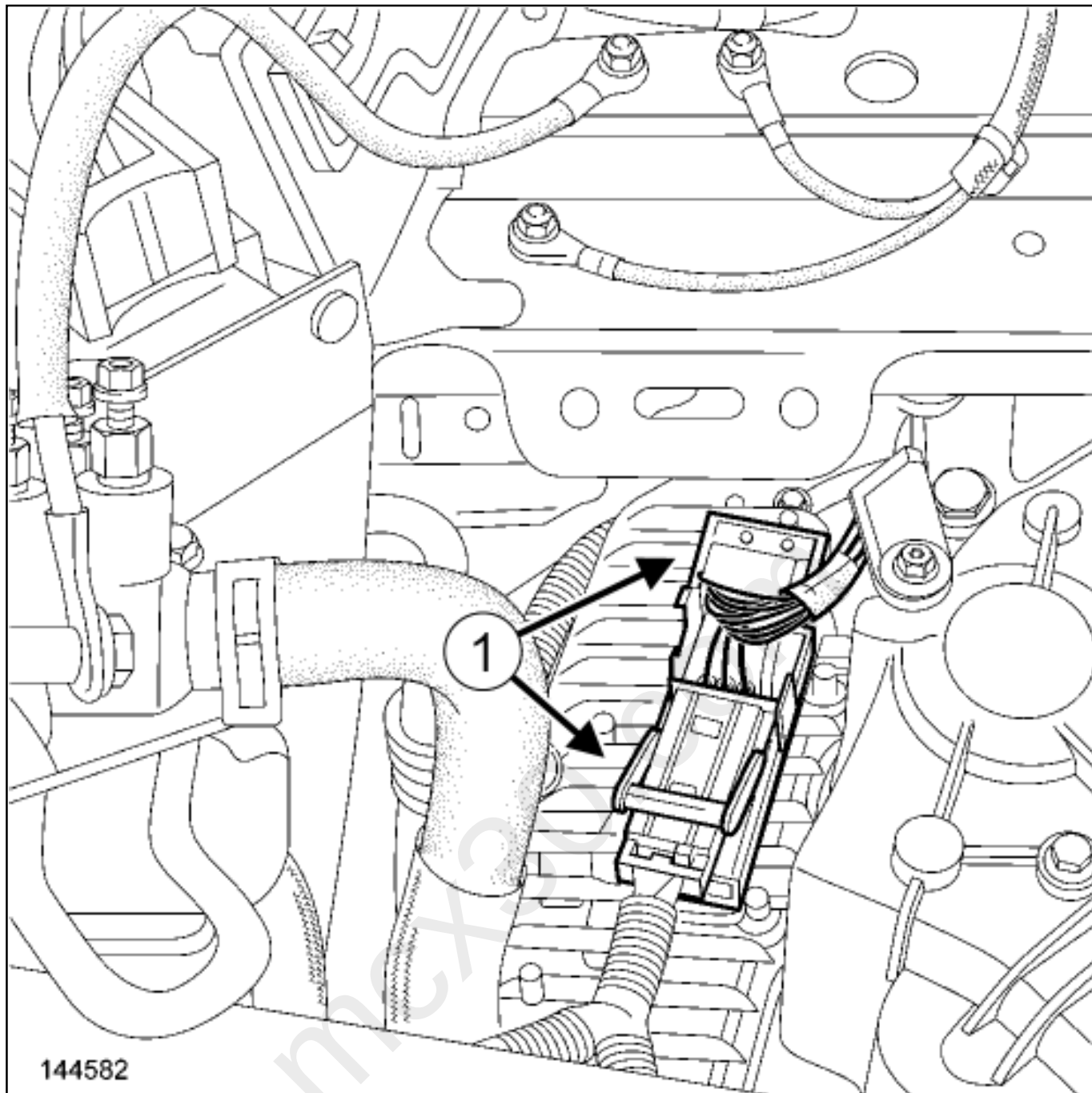
Remove:

the front left-hand wheel [Front hub carrier assembly: Exploded view](#) ,

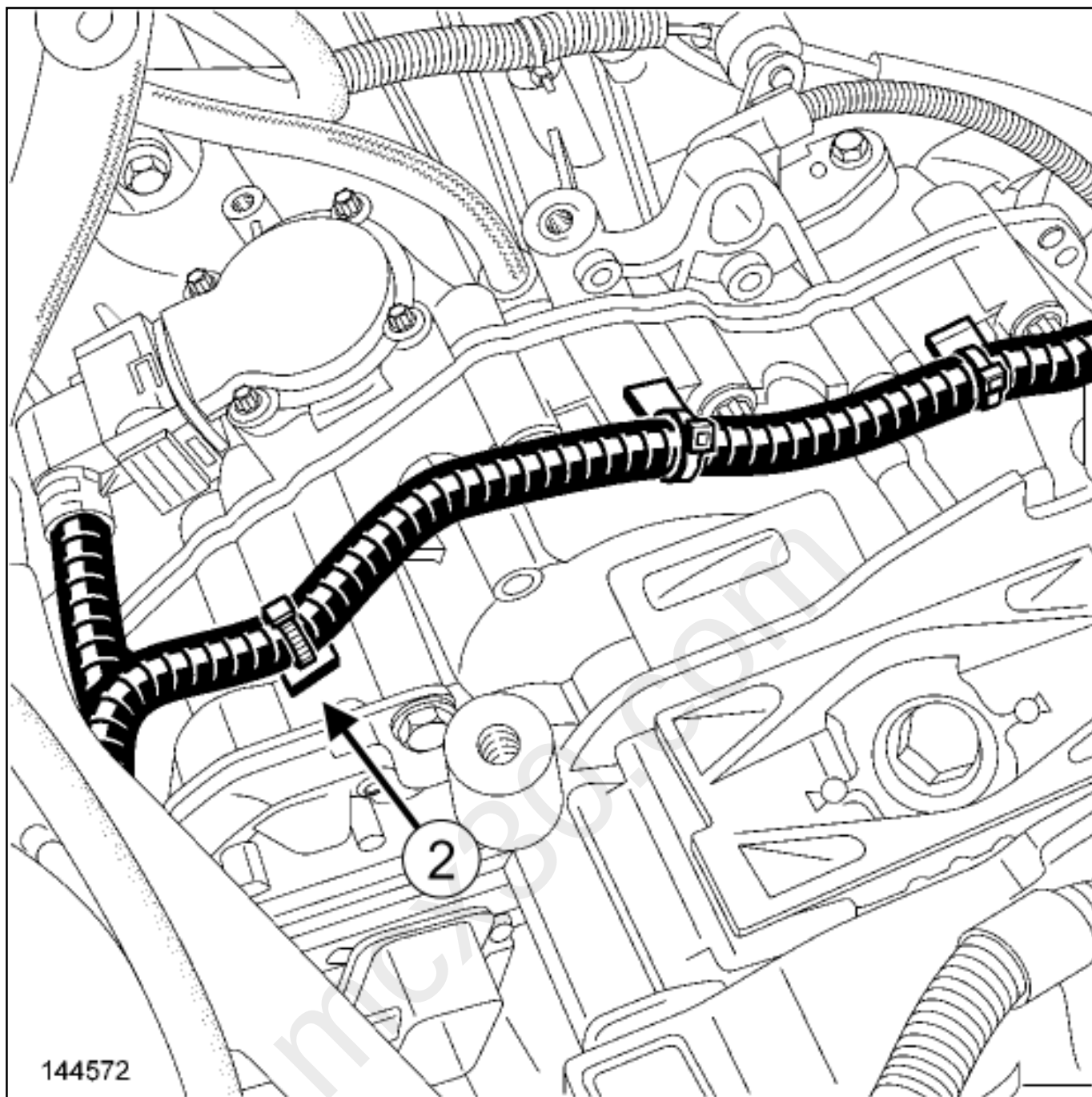
the front section of the front left-hand wheel arch liner [Exterior body front trim assembly: Exploded view](#) ,

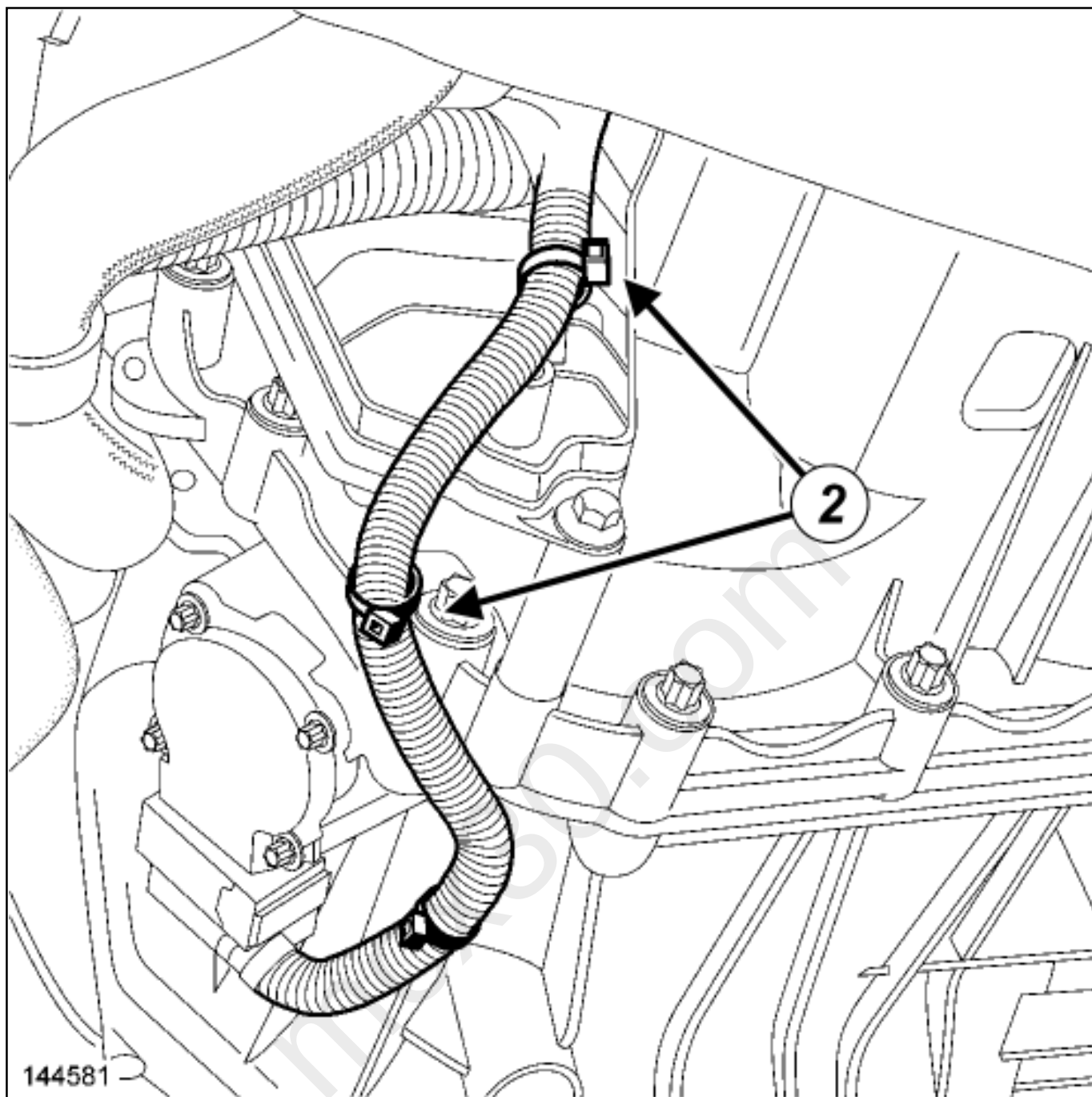
the engine undertray.

2. REMOVAL OPERATION



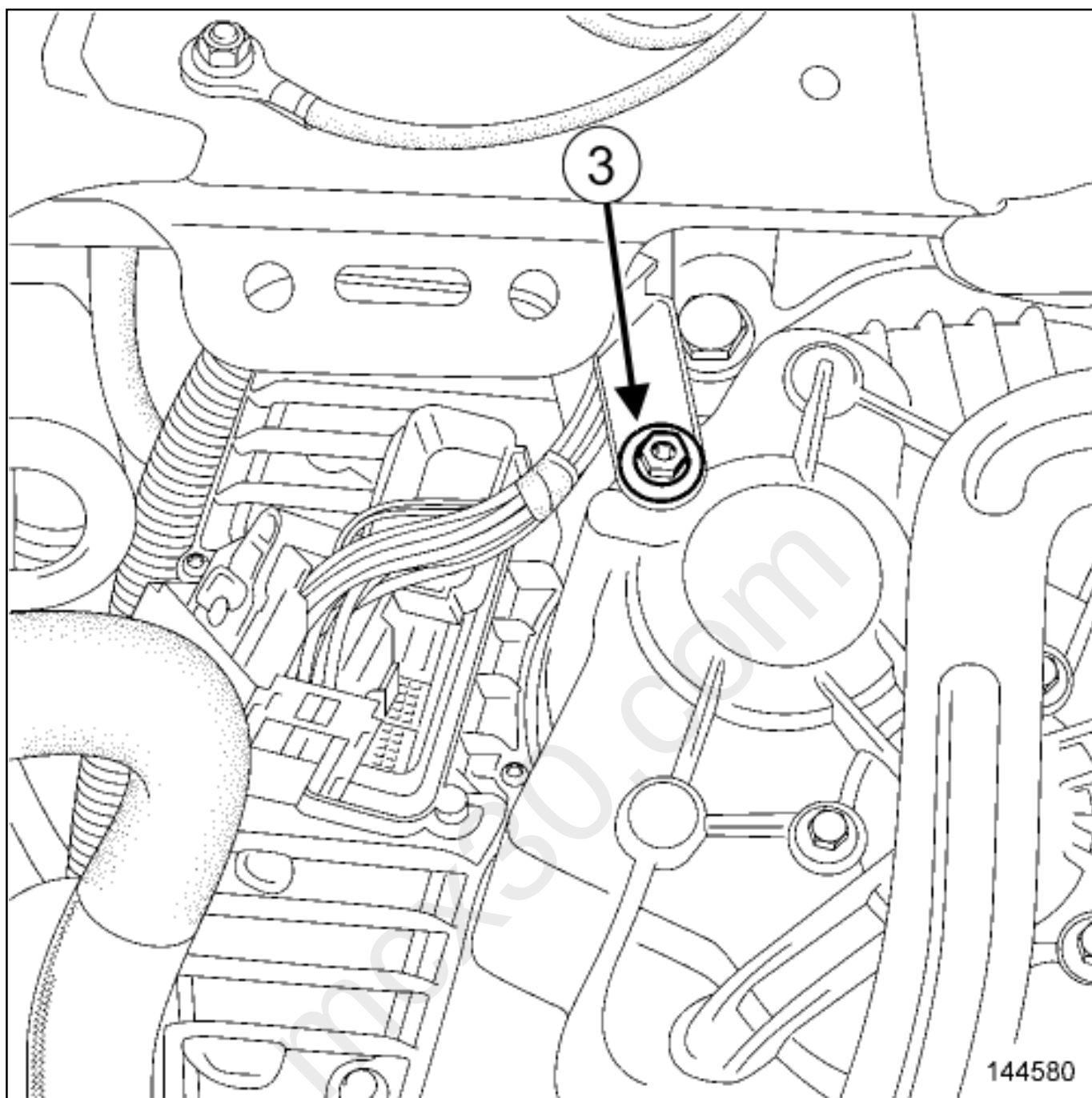
Disconnect the connectors(1) from the gearbox computer.





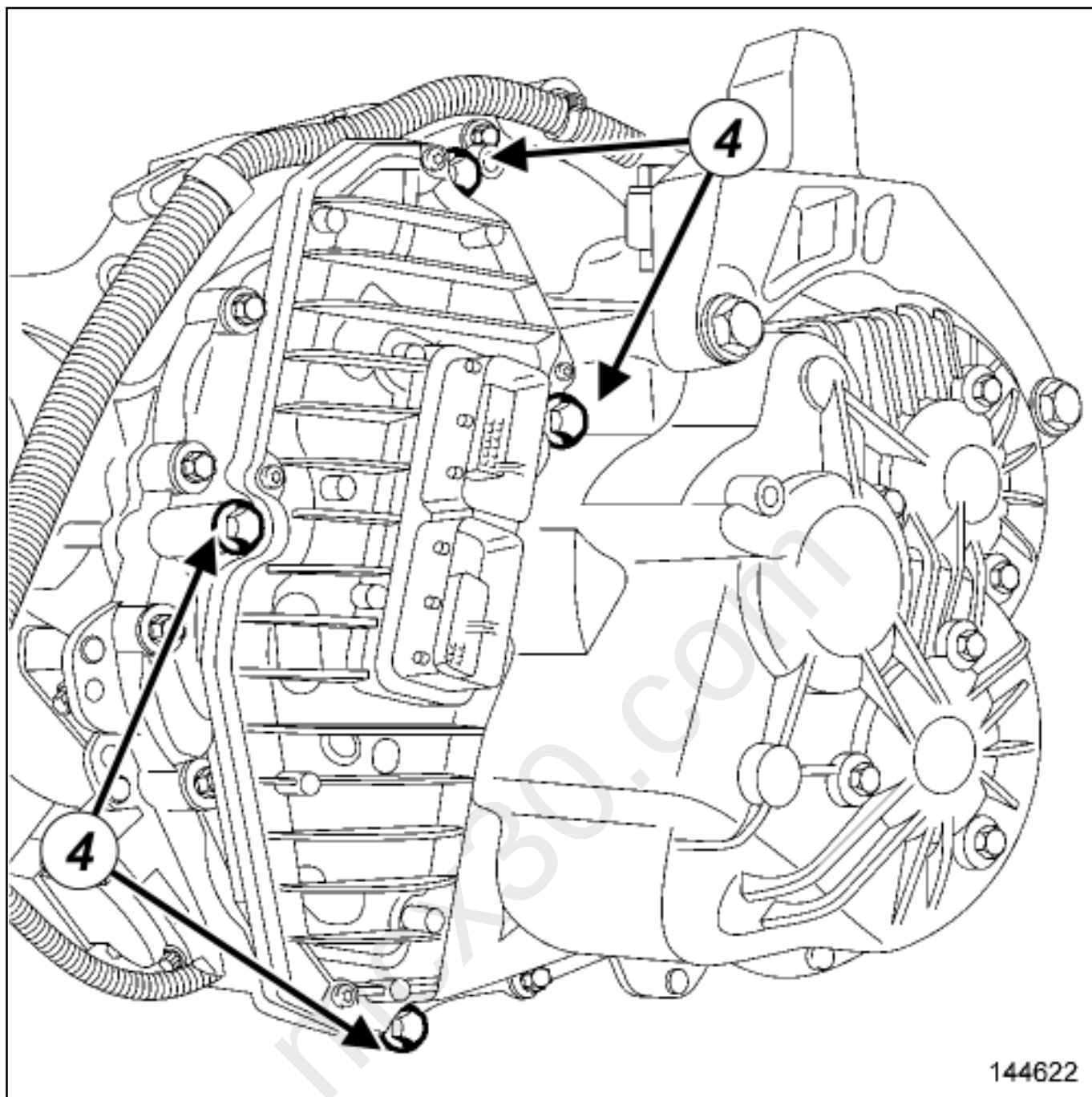
Unclip the gearbox wiring at(2) .

Move aside the gearbox wiring.



Remove the engine wiring bolt(3) .

Move aside the engine wiring.



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Remove:

- the gearbox computer bolts(4) ,
- the gearbox computer.

1. REFITTING PREPARATION OPERATION



Use surface cleaner [Vehicle: Parts and consumables for the repair](#) to clean the joint faces of:



the gearbox computer,



the gearbox casing.



Always replace:



the gearbox computer seals,



the retaining clips of the gearbox wiring, if necessary.

2. REFITTING OPERATION

Note:



The computer must fit easily into its housing without forcing it.

The computer cannot be tightened unless it is exactly in position.

To facilitate refitting, it is sometimes necessary to turn the motor shafts manually so that the shaft splines match the splines of the gear shift drum pinions.



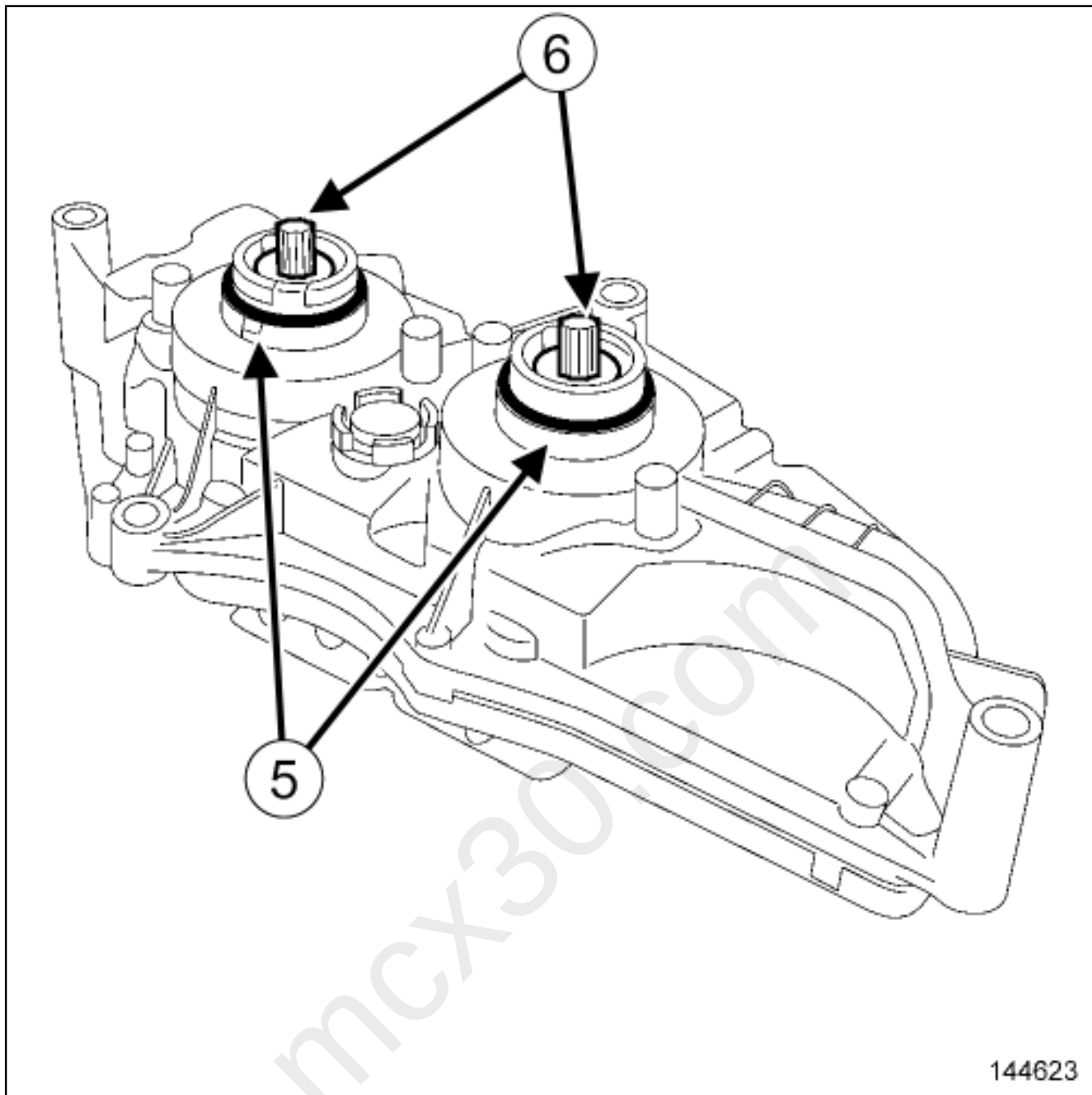
Fit the gearbox computer without its seals in order to pre-position the actuator motor splines in relation to the gear shift drums.



Turn the splines(6) if necessary in case of difficulty fitting the gearbox computer.



Remove the gearbox computer.



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Fit new seals(5) for the gearbox computer.

Refit the gearbox computer fitted with new seals.

Visually inspect its position before tightening.