

3. FINAL OPERATION



Proceed in the reverse order to removal.



Apply the after repair procedure using the Diagnostic tool:



connect the Diagnostic tool,



select "Automatic gearbox computer" ,



go to repair mode,



display the "before/after repair procedure" for the computer selected,



select "Gearbox speed sensor" in the "List of components controlled by this computer" section,

carry out the operations described in the "After repair procedure" section.



[Repair-12x07x03x08-01x37-1-26-1.xml](#)



XSL version : 3.02 du 22/07/11

STARTER:REMOVAL-REFITTING

Special tooling required

Remote operation pliers for hose clips.

Mot. 1448

Pipe clamps.

Ms. 583

REMOVAL

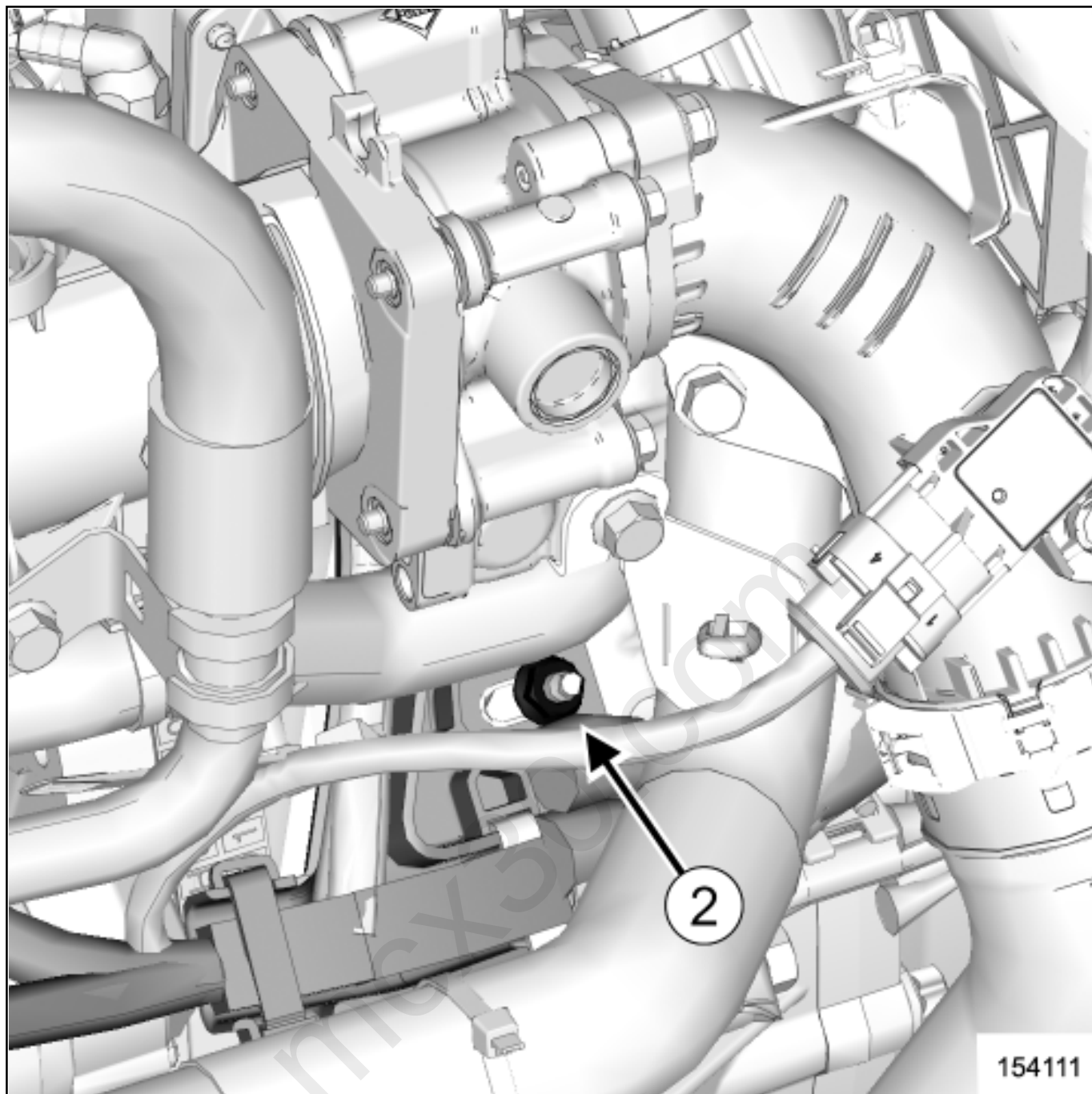
1. REMOVAL PREPARATION OPERATION

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

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

Remove:

- the intercooler air inlet pipe [Air inlet assembly: Exploded view](#) ,
- the intercooler air outlet pipe [Air inlet assembly: Exploded view](#) ,
- the throttle valve [Air inlet assembly: Exploded view](#) ,
- the inlet distributor [Air inlet assembly: Exploded view](#) .



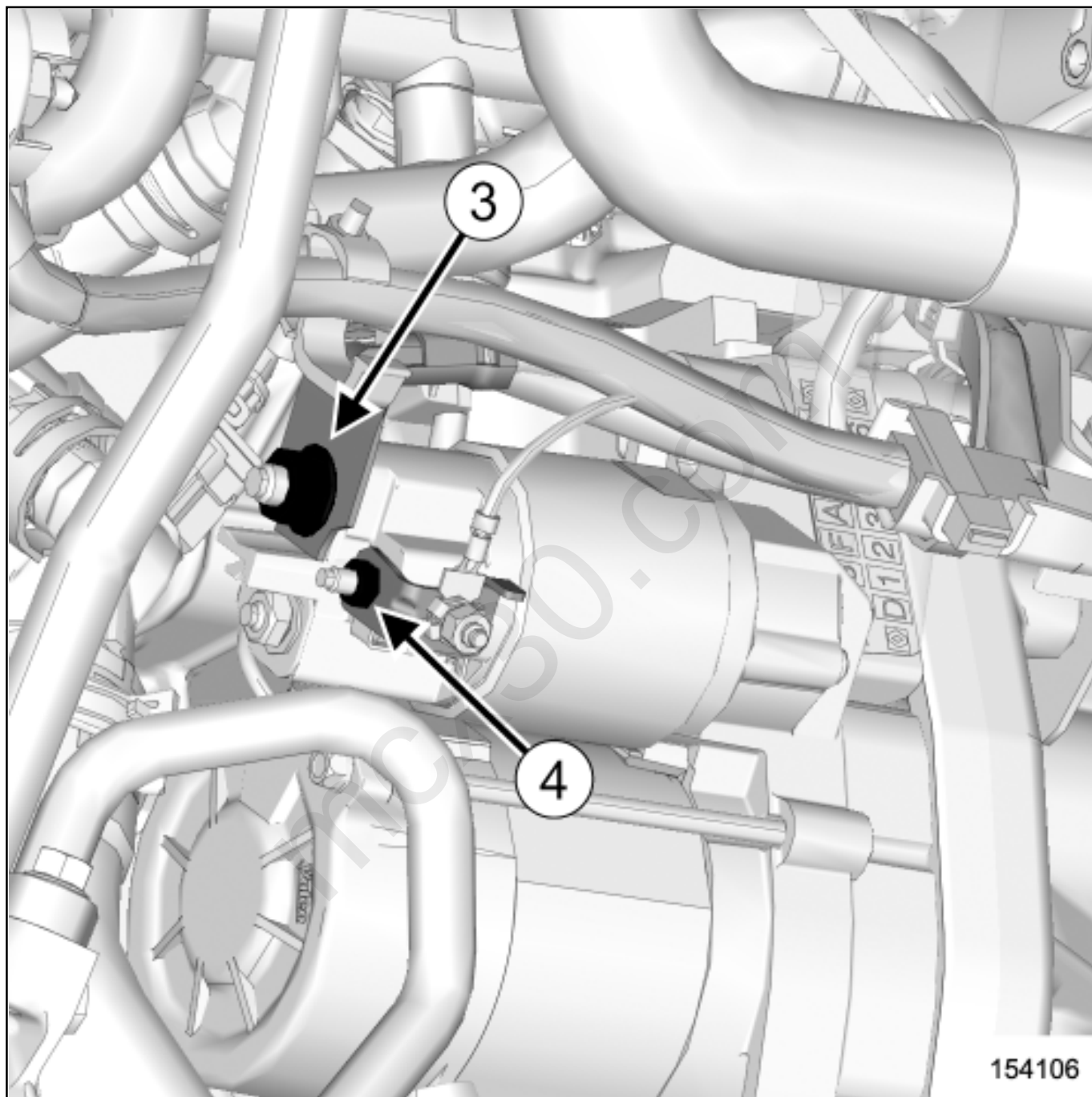
Remove the electrical wiring support nut(1) .

Fit the toolPipe clamps.(Ms. 583) on the coolant pipes of the oil-coolant heat exchanger.

Move aside the clips of the coolant pipes on the oil-coolant heat exchanger using the toolRemote operation pliers for hose clips.(Mot. 1448) .

Disconnect the coolant pipes from the oil-coolant heat exchanger.

2. REMOVAL OPERATION



Remove:

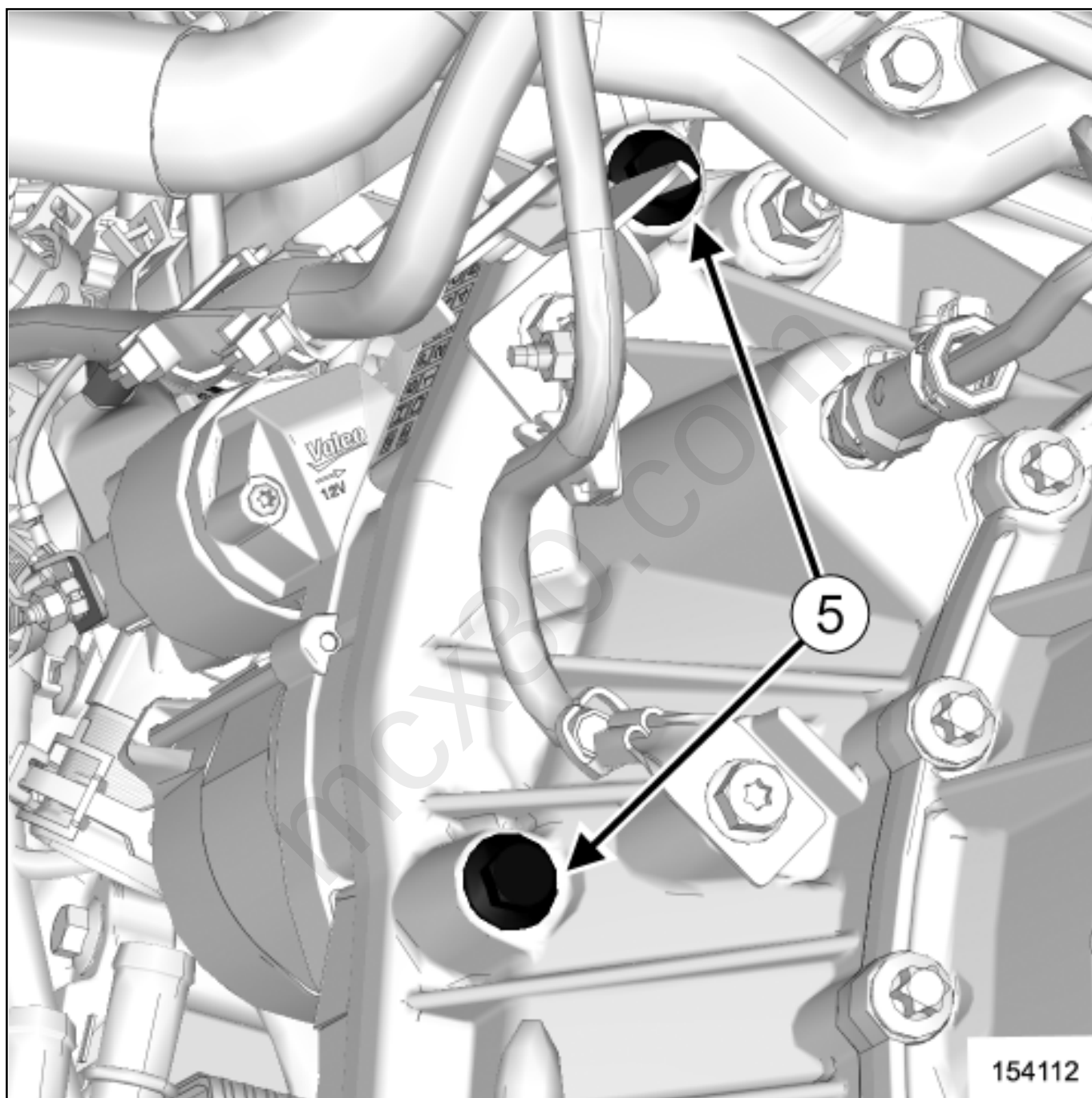


the nut(2) on the positive terminal of the starter,



the nut(3) of the starter excitation terminal.

Move aside the starter electrical wiring.



Remove:



the starter bolts(4) ,



the starter.

REFITTING

1. REFFITING PREPARATION OPERATION



Check the presence of the centring dowel on the cylinder block.

2. REFITTING OPERATION



Refit :



the starter,



the starter bolts.



Torque tighten the starter bolts 44 N.m.



Refit:



the nut of the starter excitation terminal,



the nut of the starter positive terminal.



Torque tighten:



the nut on the positive terminal of the starter 8 N.m,



the nut of the starter excitation terminal 5 N.m.

3. FINAL OPERATION