

Proceed in the reverse order to removal.



Repair-32x04x01x01-01x37-1-173-1.xml



XSL version : 3.02 du 22/07/11

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STARTER:REMOVAL-REFITTING

Special tooling required

Remote operation pliers for hose clips.

Mot. 1448

Pipe clamps.

Ms. 583

REMOVAL

1. REMOVAL PREPARATION OPERATION

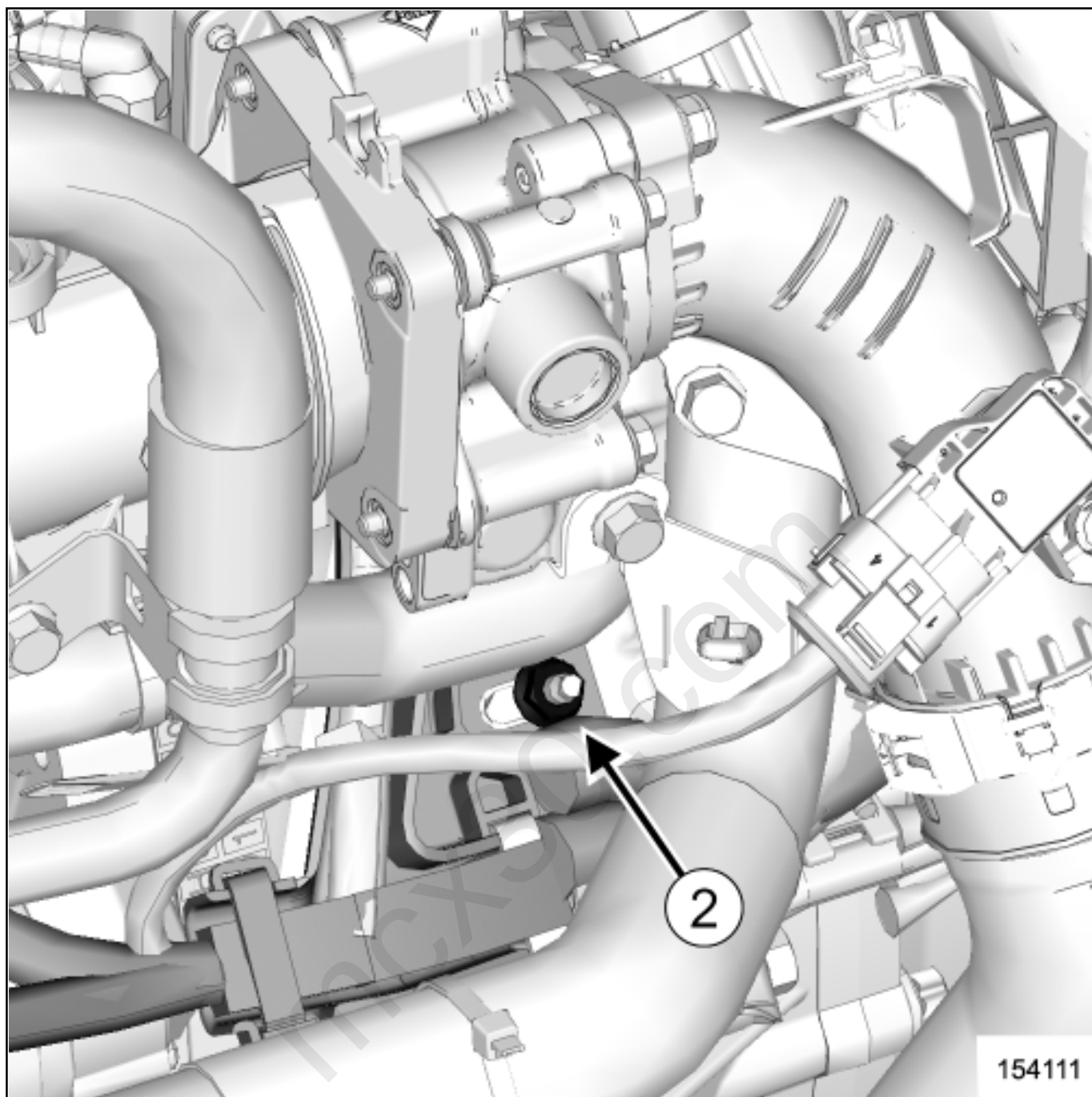
■ Position the vehicle on a two-post lift [Vehicle: Towing and lifting](#) .

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



Remove:

- the intercooler air inlet pipe [\(see 12A, Fuel mixture, Air inlet assembly: Exploded view\)](#) ,
- the intercooler air outlet pipe [\(see 12A, Fuel mixture, Air inlet assembly: Exploded view\)](#) ,
- the throttle valve [\(see 12A, Fuel mixture, Air inlet assembly: Exploded view\)](#) ,
- the inlet distributor [\(see 12A, Fuel mixture, Air inlet assembly: Exploded view\)](#) .



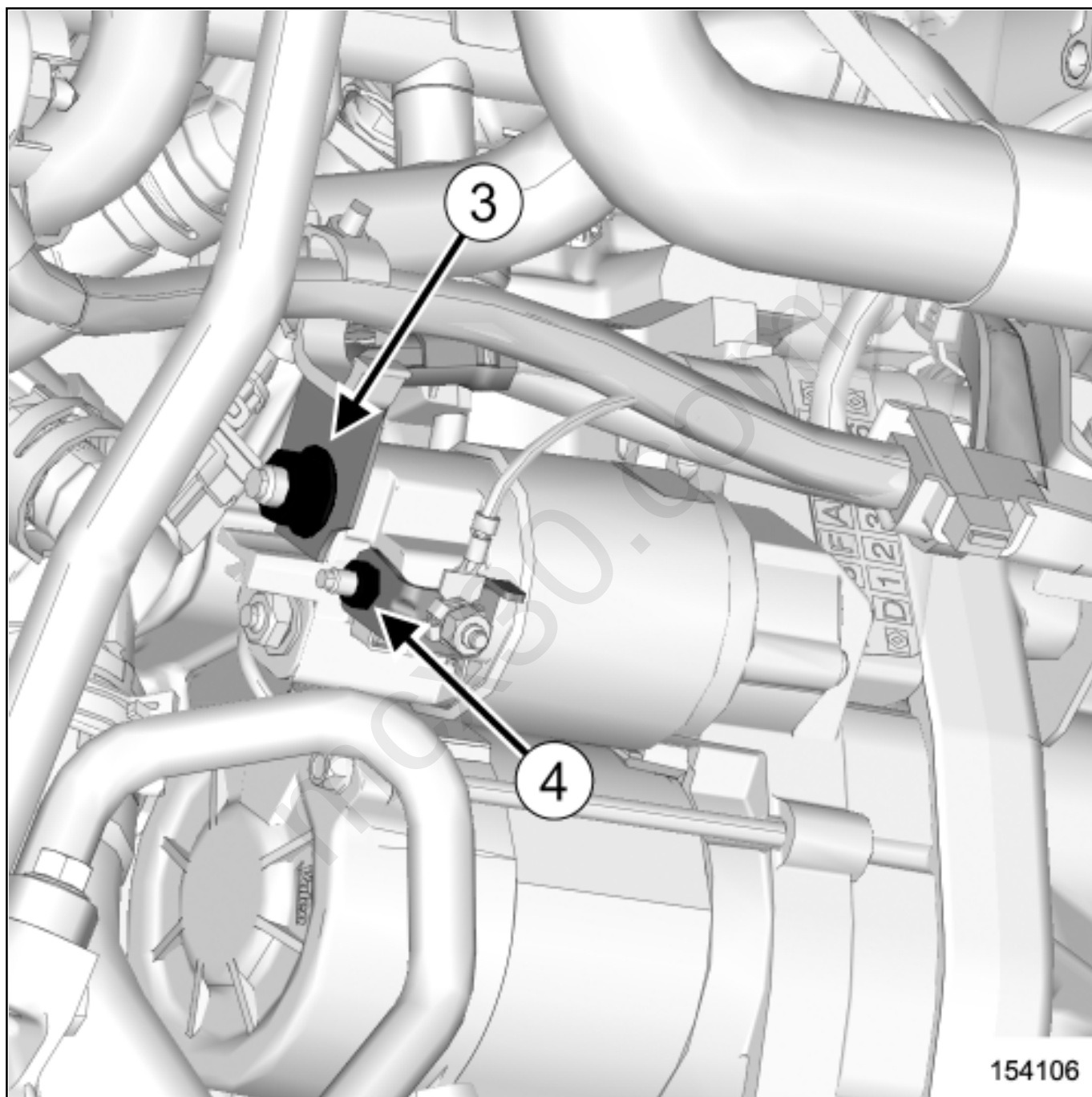
Remove the electrical wiring support nut(2) .

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:

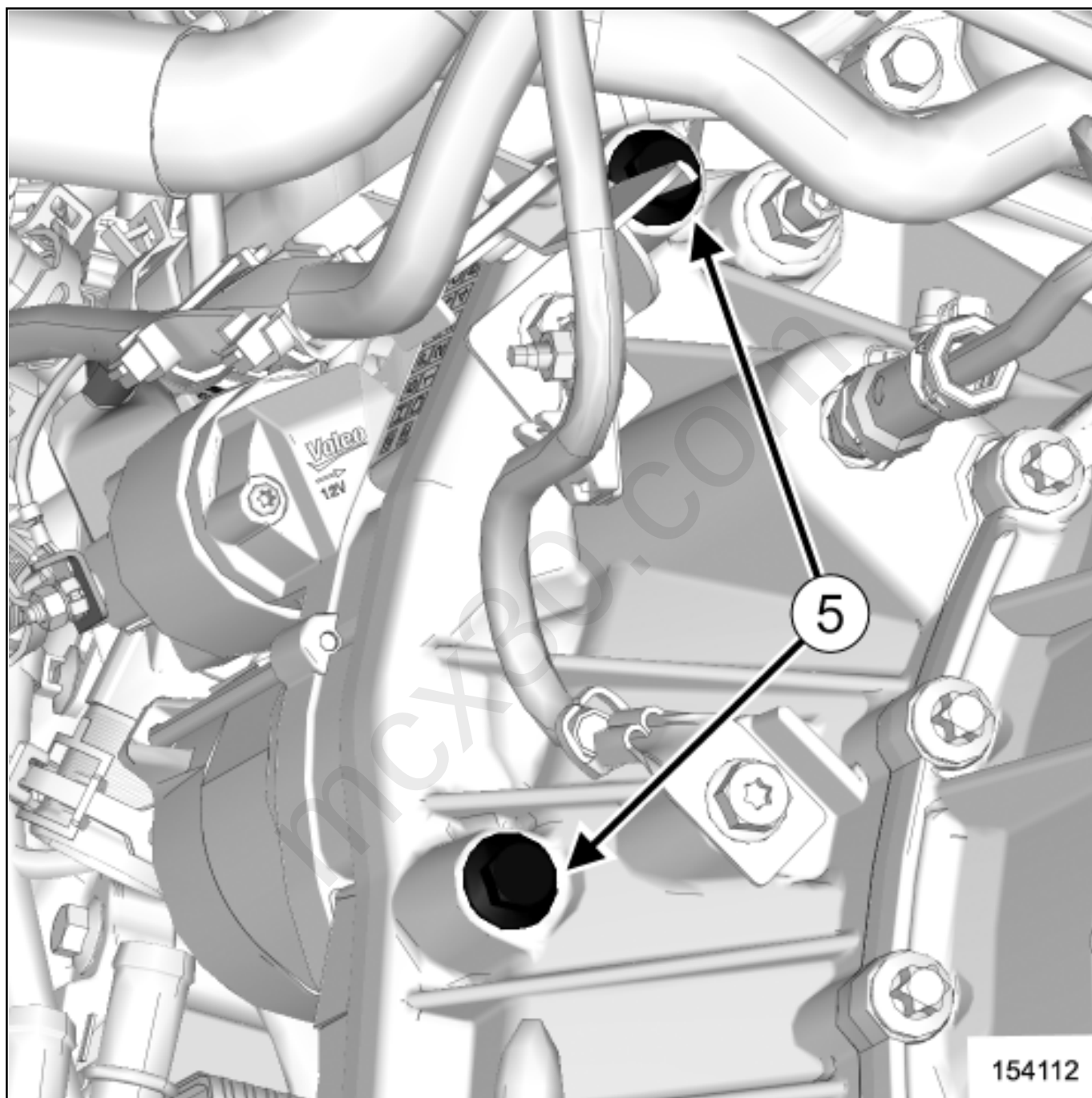


the nut(3) on the positive terminal of the starter,



the nut(4) of the starter excitation terminal.

Move aside the starter electrical wiring.



Remove:



the starter bolts(5) ,



the starter.

REFITTING

1. REFITTING 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