

1. REFITTING OPERATION



Position the distribution motor in relation to the flat surface of the distribution motor recess.

2. FINAL OPERATION



Proceed in the reverse order to removal.



Apply the after repair procedure using the Diagnostic tool [Diagnostic tool : Use](#) :

-Computer concerned by the After repair procedure:



"Air conditioning computer" ,

-Component affected by the After repair procedure:



"Front air distribution flap motor" .



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DISTRIBUTION UNIT: REMOVAL-REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Remote operation pliers for hose clips.

Mot. 1448

Pipe clamps.

Ms. 583

Equipment required

refrigerant charging station

WARNING

 To avoid all risk of damage to the systems, apply the safety and cleanliness instructions and operation recommendations before carrying out any repair:

■ [Air conditioning: Precautions for the repair](#) ,

■ [Vehicle: Precautions for the repair](#) .

Locations and specifications (tightening torques, parts to always be replaced, etc.) [\(see 61A, Heating, Passenger compartment heating and ventilation assembly: Exploded view\)](#) .

Note:



Use fuel blanking plugs with part to plug any openings exposed to the open air. Do not use any which have already been used to plug a fuel circuit.

REMOVAL

1. REMOVAL PREPARATION OPERATION



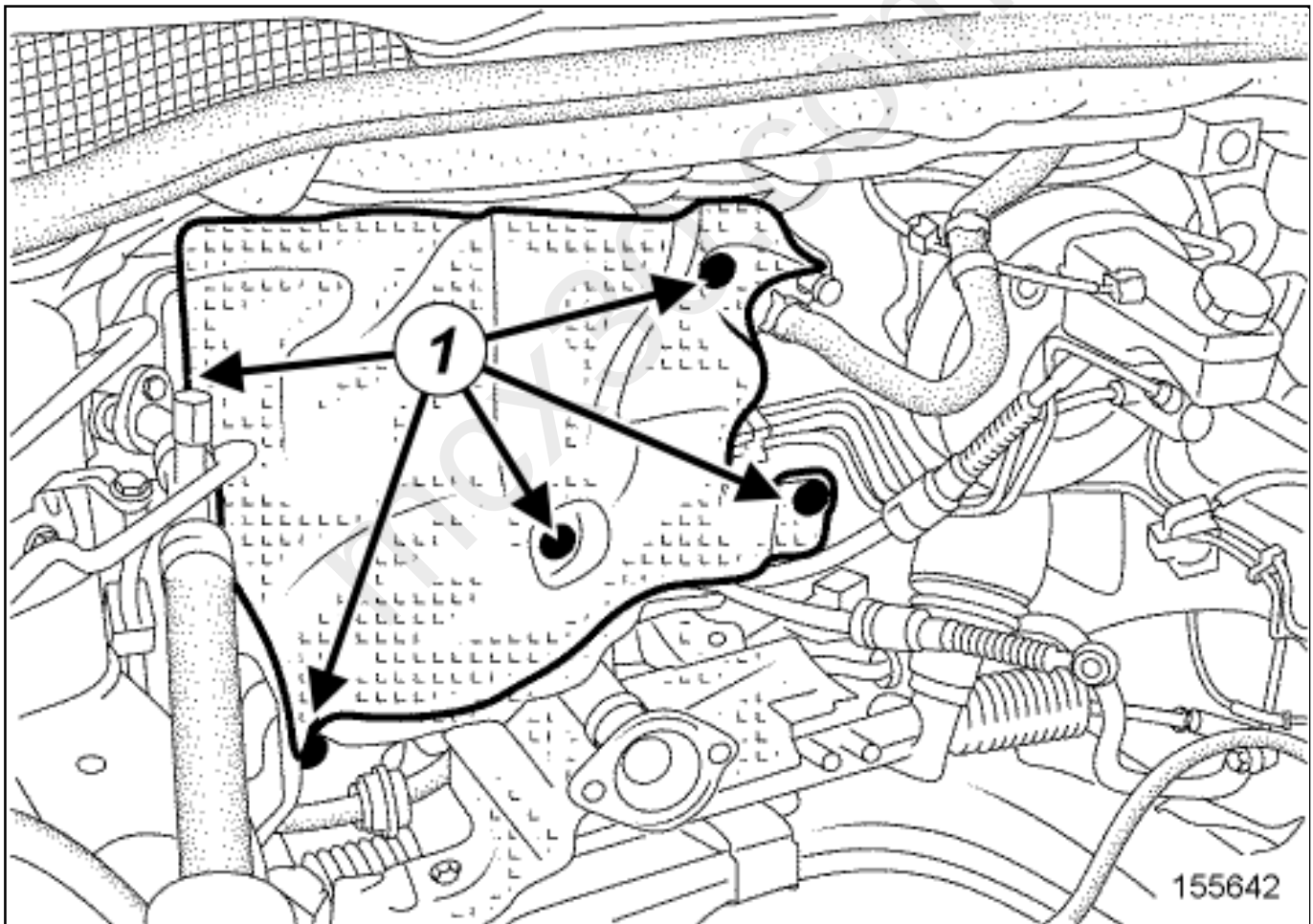
Position the vehicle on a two post lift [Vehicle: Towing and lifting](#) .

Drain:

the refrigerant circuit using the refrigerant charging station [Refrigerant circuit: Draining - Filling](#) ,

the engine cooling system [Cooling system: Draining - Refilling](#) .

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



Remove the clips(1) from the bulkhead heat shield.



CAUTION

To prevent the surrounding components from overheating, do not damage (tear, pierce, bend, etc.) a heat shield.

Any damaged heat shields must be replaced.

Move the bulkhead heat shield to one side.

Remove the bolts from the expansion valve connecting pipe bracket [Passenger compartment cooling assembly: Exploded view](#) .



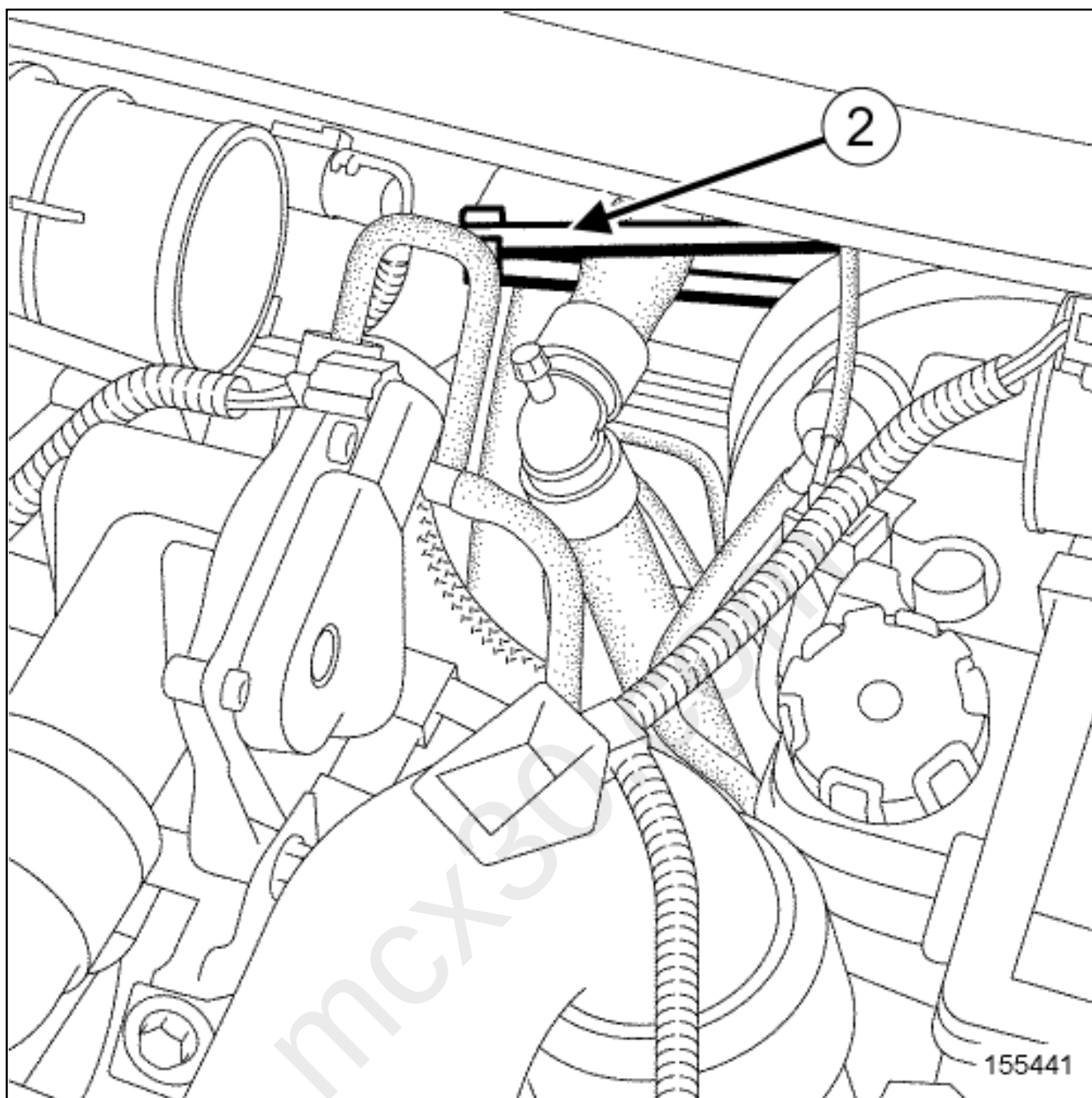
CAUTION

In order to avoid any refrigerant leaks, do not damage (deform, twist, etc.) the pipe.

Disconnect the connecting pipes from the expansion valve.

Move the connecting pipes away from the expansion valve.

Fit blanking plugs on the expansion valve and on the connecting pipes.



Fit the toolPipe clamps.(Ms. 583) (2) on the heater matrix hoses.

Move the clips using the toolRemote operation pliers for hose clips.(Mot. 1448) .

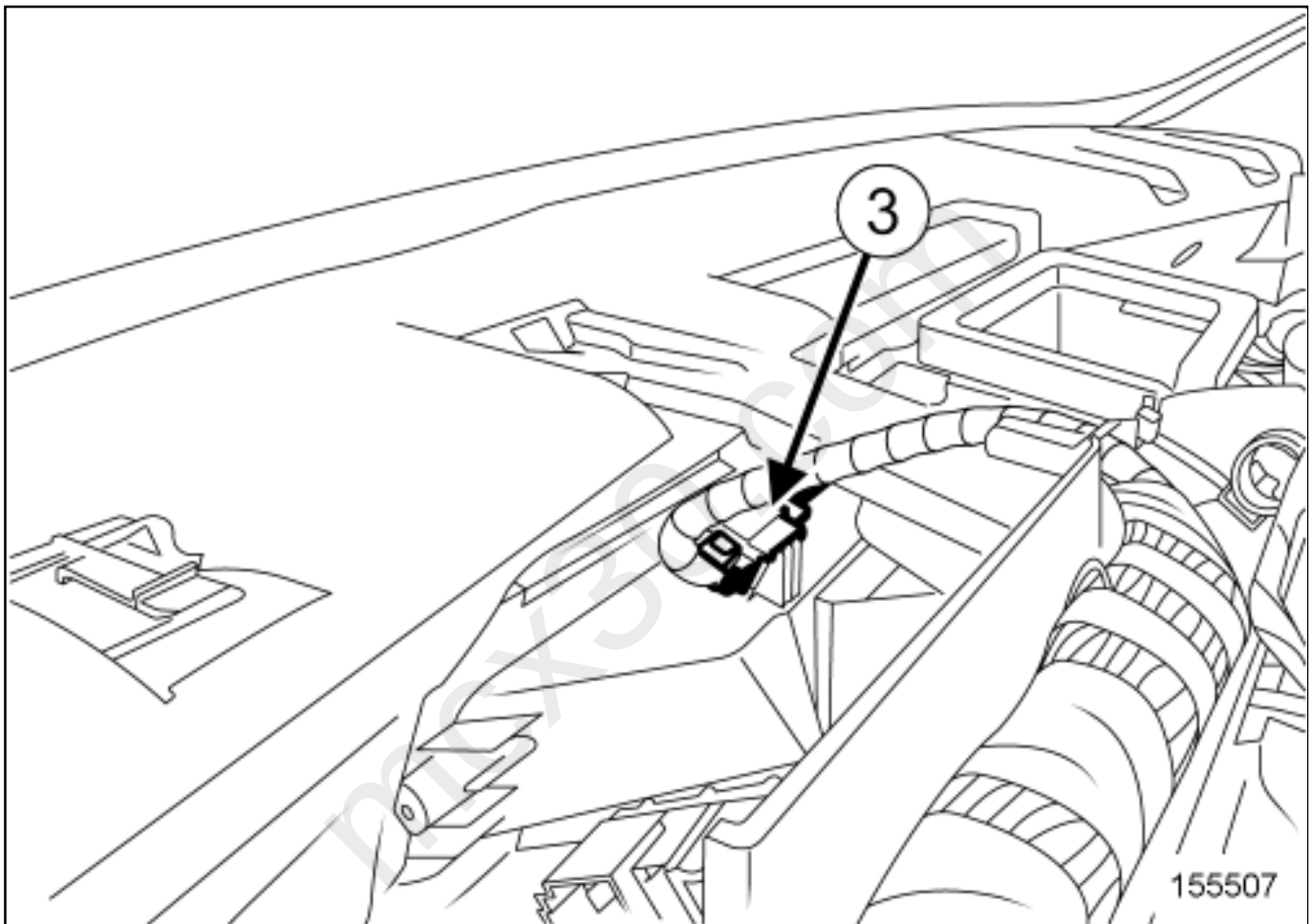
Disconnect the heater matrix hoses.

Remove:

the dashboard [Dashboard assembly: Exploded view](#) ,

the dashboard cross member [\(see 61A. Heating, Passenger compartment heating and ventilation assembly: Exploded view\)](#) .

2. REMOVAL OPERATION



Disconnect the supply connector(3) from the distribution unit.

Unclip the electrical wiring from the distribution unit.

Move the electrical wiring from the distribution unit.

Remove the distribution unit.



Note:

To find the location of components ([see 61A, Heating, Passenger compartment heating and ventilation assembly: Exploded view](#)).

Remove the following components from the distribution unit:

-
- the left-hand mixer motor,
- the right-hand mixer motor,
- the distribution motor,
- the cabin filter,
- the expansion valve,
- the recirculation motor,
- the air recirculation control cable,
- the fan assembly,
- the fan assembly control unit,
- the evaporator sensor,
- the heater matrix,
- heater resistor relays,

the heating resistor.

REFITTING

1. REFITTING PREPARATION OPERATION



CAUTION

Do not remove the blanking plugs from each component until the last moment.

Also, do not remove the components from their packaging until they are to be fitted to the vehicle.



CAUTION

To avoid any leaks, check that the seal and the pipe surface are in good condition. The seal and the surface must be clean and scratch free.

Remove the blanking plugs.

2. REFITTING OPERATION

Refit the following components onto the distribution unit:



the left-hand mixer motor,



the right-hand mixer motor,



the distribution motor,



the cabin filter,

-
- the expansion valve,
-
- the recirculation motor,
-
- the air recirculation control cable,
-
- the fan assembly,
-
- the fan assembly control unit,
-
- the evaporator sensor,
-
- the heater matrix,
-
- heater resistor relays,
-
- the heating resistor.

Refit the distribution unit.

Fit the wiring onto the distribution unit.

Clip the wiring onto the distribution unit.

Connect the supply connector of the distribution unit.

3. FINAL OPERATION

Proceed in the reverse order to removal.