

COMPRESSOR: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Equipment required

refrigerant charging station

Location and specifications (tightening torques, parts always to be replaced, etc.) ([see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view](#)) .

WARNING



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

- [\(see 62A, Air conditioning, Air conditioning: Precautions for the repair\)](#) ,
- [Vehicle: Precautions for the repair](#) .

CAUTION



To prevent contamination of disconnected connectors and sockets, hermetically seal the connectors and sockets using a plastic bag and a securing clip. For traction battery sockets, use traction battery caps [Vehicle: Parts and consumables for the repair](#) .

CAUTION



To prevent moisture from entering the system, place plugs on the cold loop components which are open to the air.

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 ([see 62A, Air conditioning, Refrigerant circuit: Draining - Filling](#)) .

WARNING

DANGER: HIGH VOLTAGE VEHICLE.



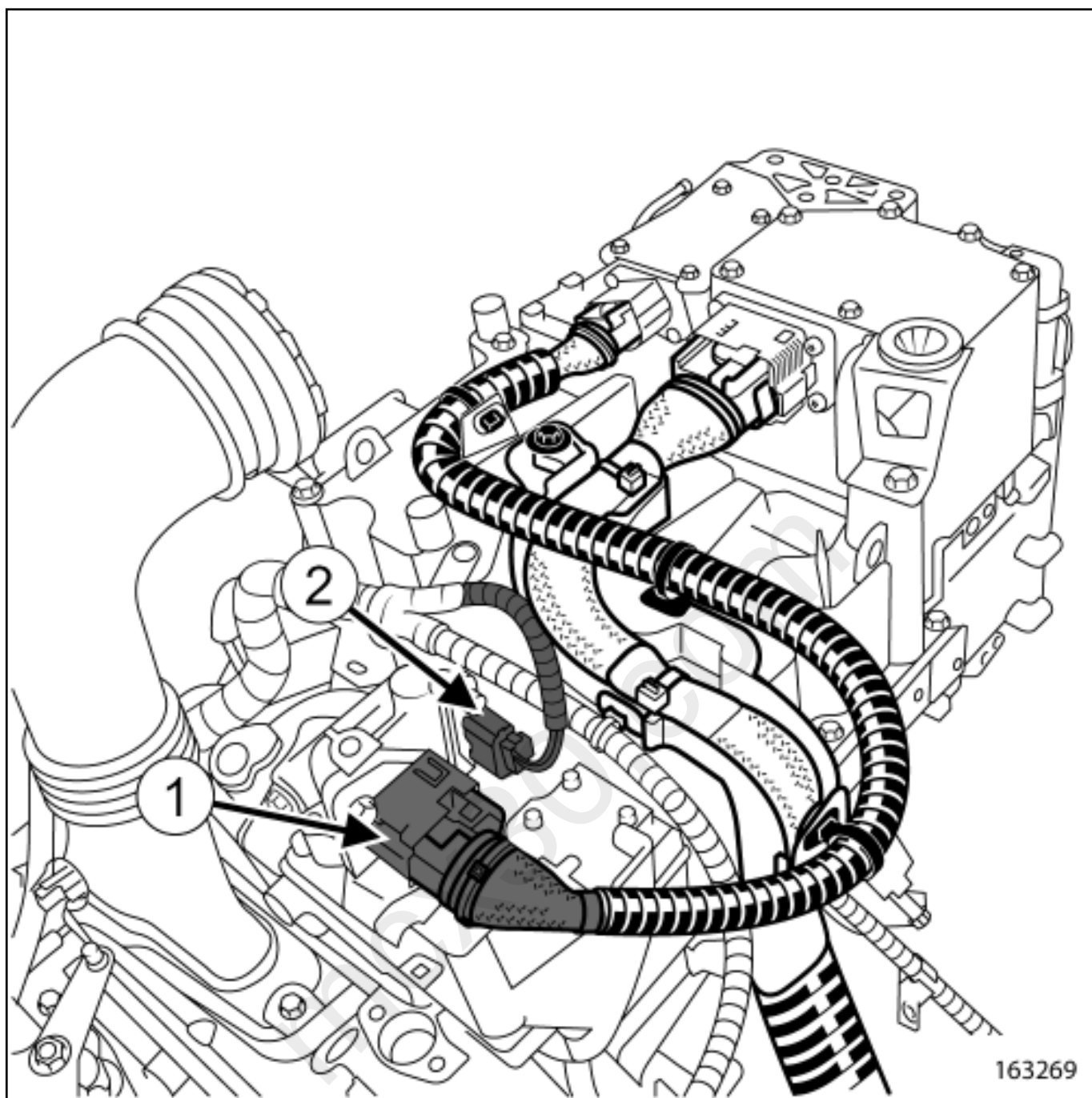
Risks of serious burns or electric shocks that may prove fatal.

Before carrying out any work on the vehicle, it is essential that you follow the instructions regarding vehicle lockout. This work must be carried out by an employee who is qualified and authorised to work on a high-voltage onboard network [Vehicle:](#)

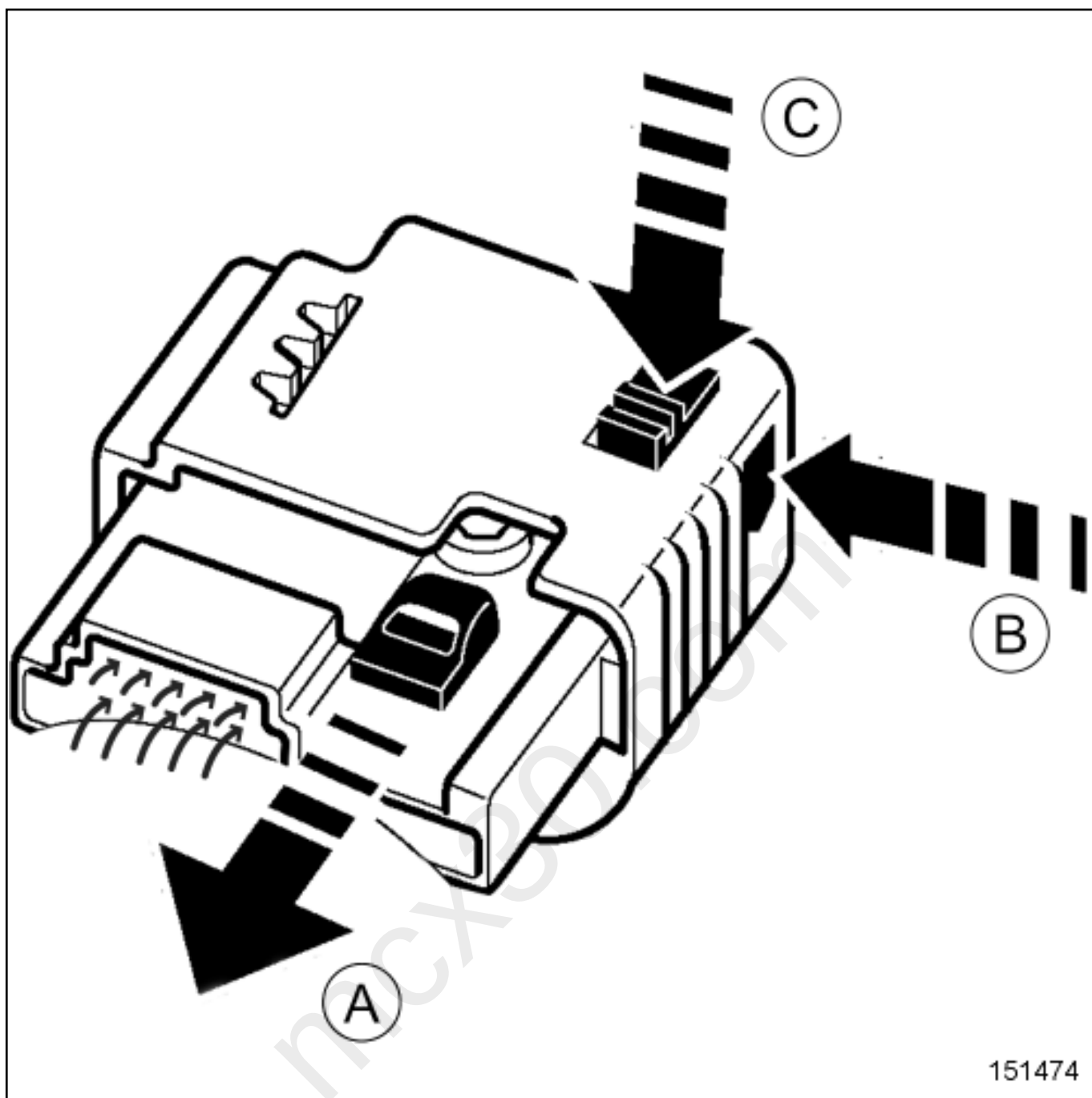
[Precautions for the repair](#) .

- Lockout the vehicle [Vehicle: Lockout - Removal of lockout](#) .
- Remove the scuttle panel grille.
- Remove the brake fluid reservoir screws [Braking control assembly: Exploded view](#) .
- Move aside the brake fluid reservoir [Braking control assembly: Exploded view](#) .
- Remove the scoop under the scuttle panel grille.
- Remove the 12V battery [Battery: Removal - Refitting](#) .
- Remove the 12V battery tray [Battery tray: Removal - Refitting](#) .

2. REMOVAL OPERATION



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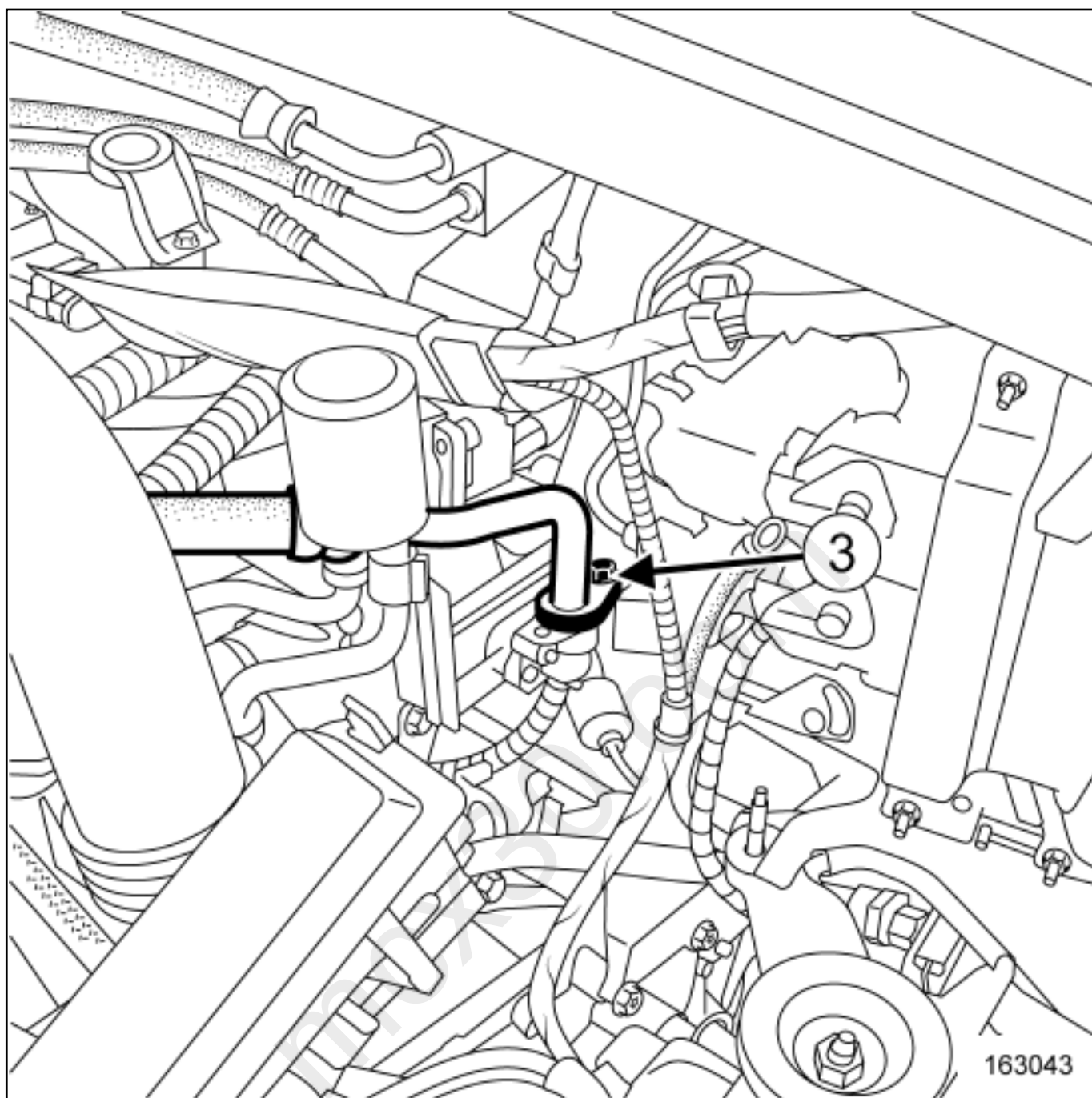
■ Disconnect:

- the "compressor - charger" connector(1) from the compressor by following the steps specified by the arrows(A) , (B) and (C) ,
- the signal compressor connector(2) .

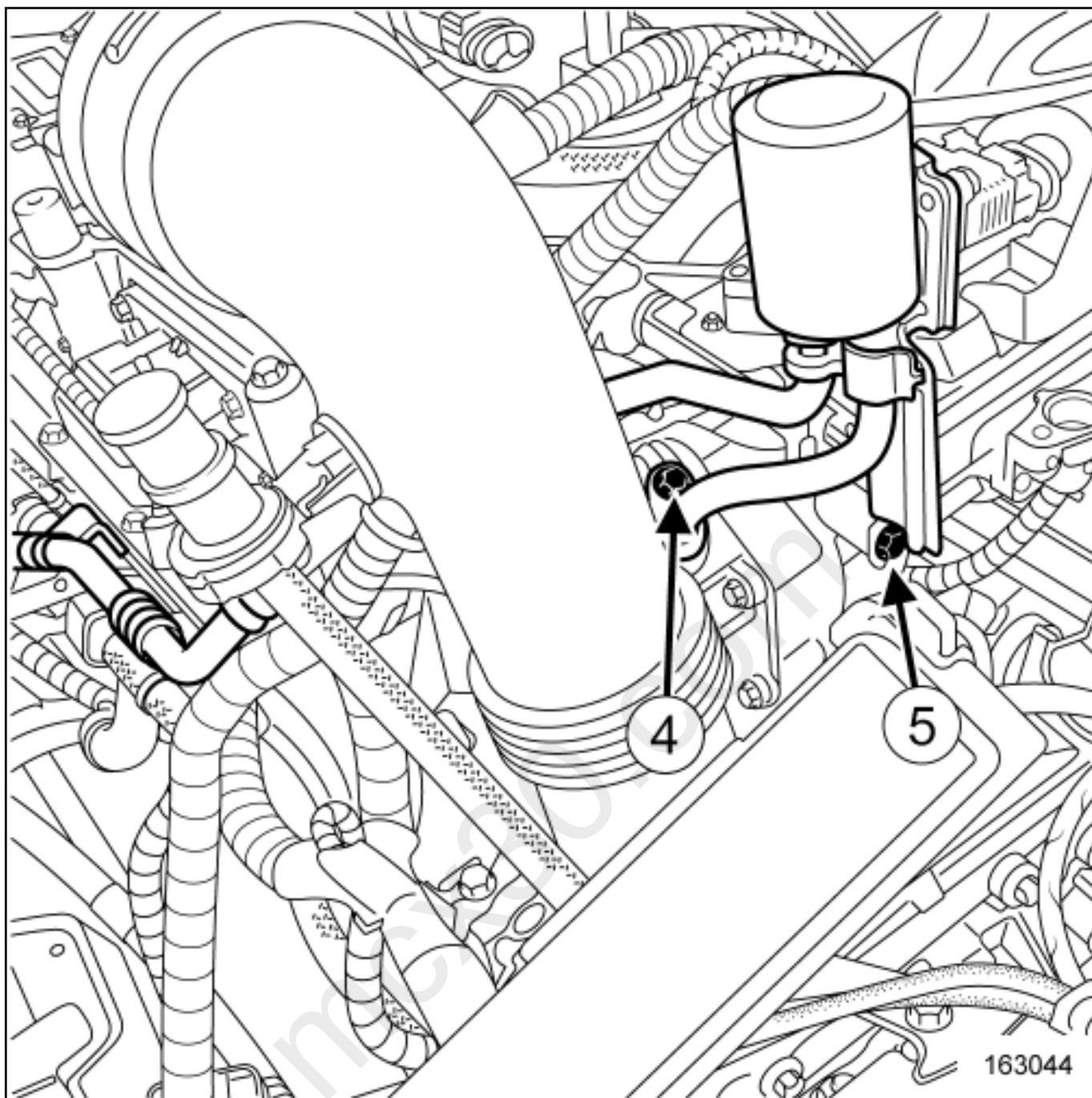


CAUTION

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



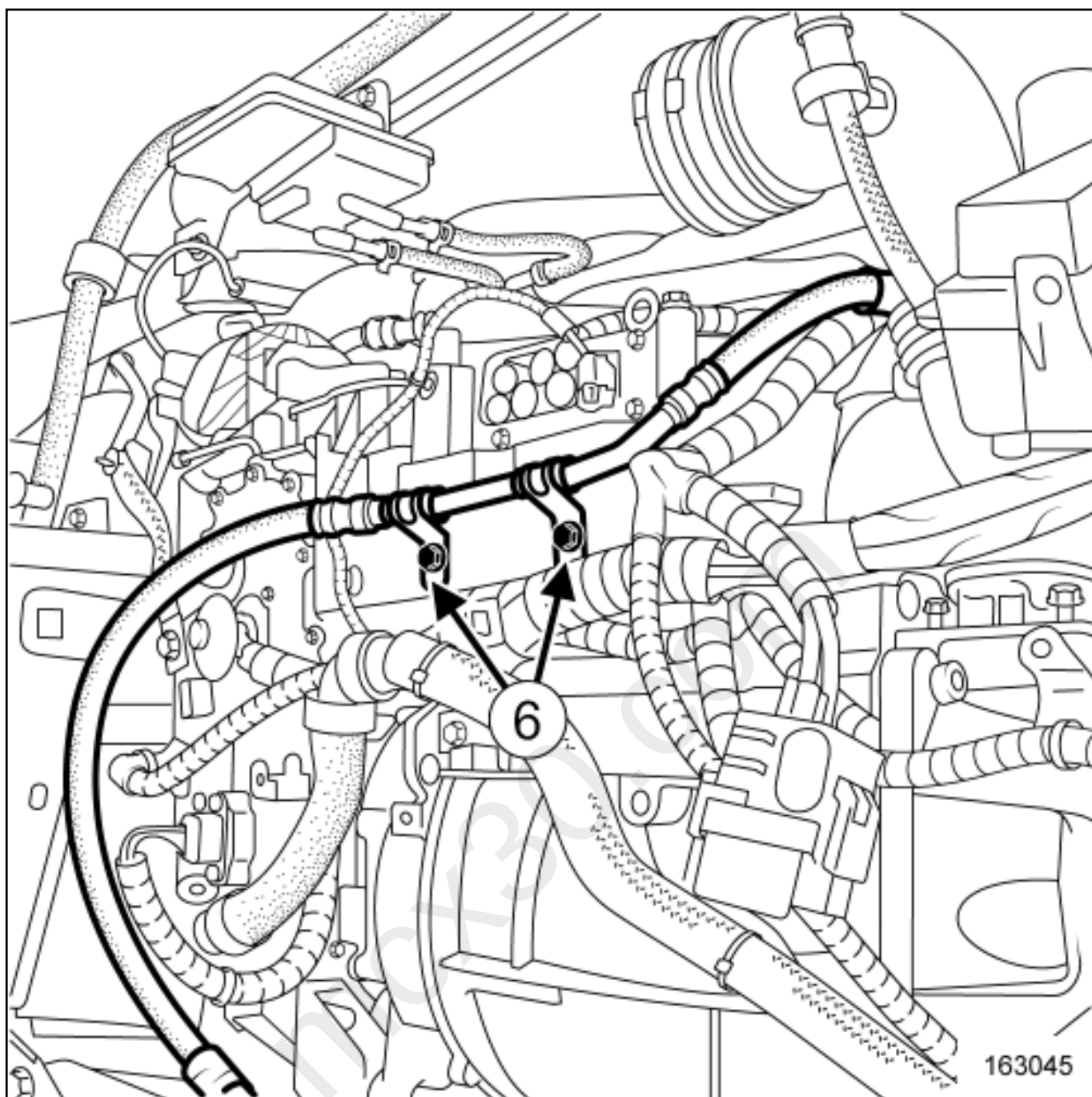
- Remove the "compressor - dehydrator reservoir connecting pipe" screw(3) ([see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view](#)) of the compressor.



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■ Remove the "intermediate pipe - compressor connecting pipe" screw(4) ([see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view](#)) of the compressor.

Remove the bracket screw(5) .



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- Remove the bracket screws(6) of the "intermediate pipe - compressor connecting pipe"(see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view) of the electric vehicle charger and converter.
- Move aside the refrigerant pipe from the compressor.
- Remove (see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view) :
 - the compressor screws,
 - the compressor.

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.



Clean the seals of the refrigerant circuit pipes([see 62A, Air conditioning, Refrigerant circuit pipe seal: Cleaning](#)) .



Remove the blanking plugs.



Oil the seals using the recommended air conditioning oil to make fitting easier([see 62A, Air conditioning, Air conditioning: Parts and consumables for the repair](#)) .

2. REFITTING OPERATION



Proceed in the reverse order to removal.



Note:

Pay attention to the refitting of the compressor earth strap on the compressor.

Remove the lockout of the vehicle [Vehicle: Lockout - Removal of lockout](#) .

Fill up the refrigerant circuit using the refrigerant charging station [\(see 62A, Air conditioning, Refrigerant circuit: Draining - Filling\)](#) .

Check for leaks [\(see 62A, Air conditioning, Refrigerant circuit: Check\)](#) .

Check the air conditioning system is operating correctly [\(see 62A, Air conditioning, Air conditioning: Check\)](#) .



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