

REFRIGERANT PIPE SEAL: REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Set of trim removal levers.

Car. 1363

Equipment required

refrigerant charging station



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 62A, Air conditioning, Air conditioning: Precautions for the repair)
- Vehicle: Precautions for the repair .

REMOVAL

1. REMOVAL PREPARATION OPERATION

■ 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 shock that may prove fatal.

Before carrying out any work on the vehicle, it is essential that you adhere to the instructions regarding vehicle voltage cut-off. This work must be carried out by an employee who is qualified and authorized to work on a high-voltage onboard network

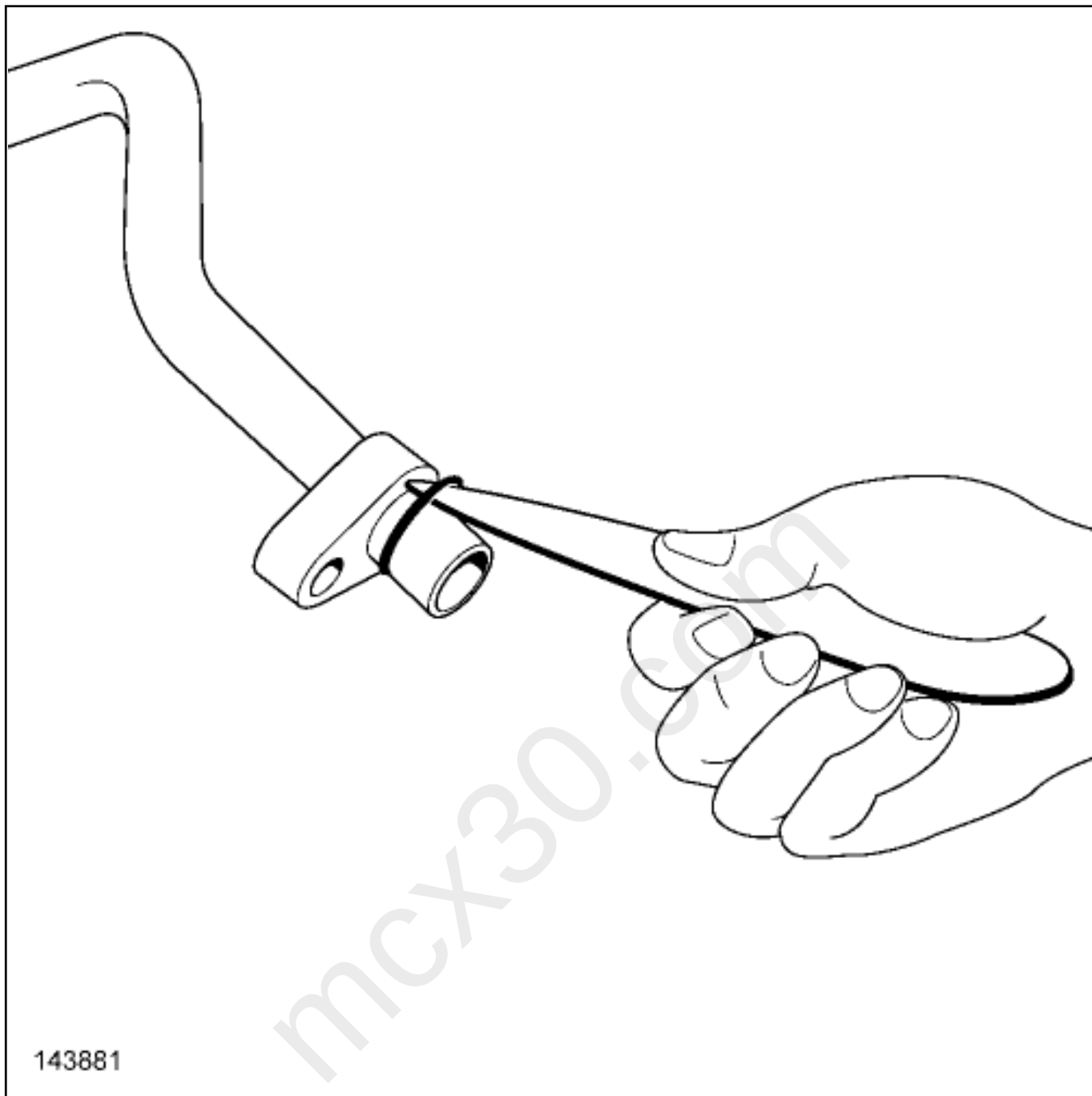
[Vehicle: Precautions for the repair](#) .

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

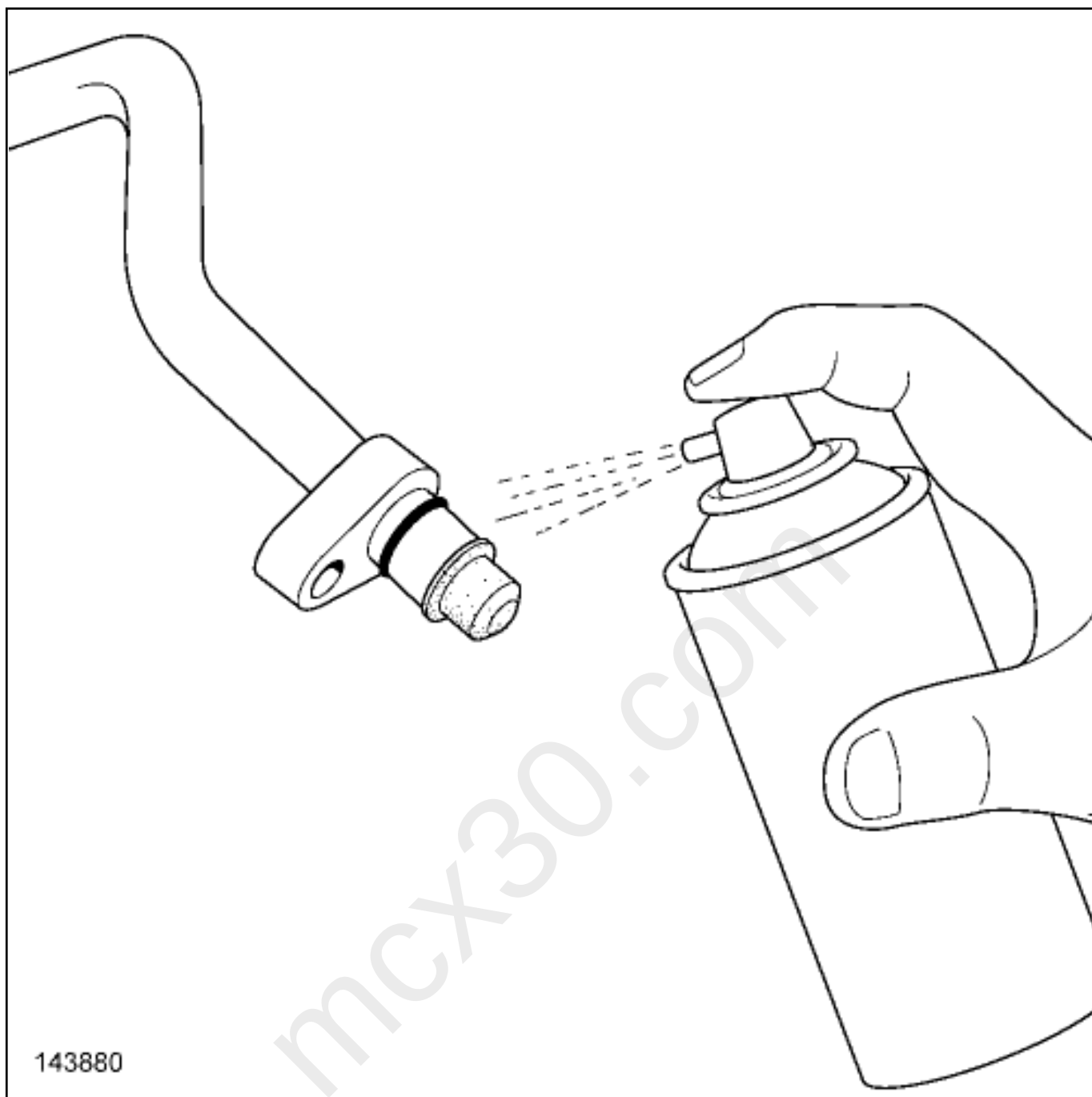
■ Remove the connecting pipe concerned:

- [Condenser - evaporator connecting pipe: Removal - Refitting](#)
- [Condenser - expansion valve connecting pipe: Removal - Refitting](#)
- [Rear condenser - front condenser connecting pipe: Removal - Refitting](#)
- [Evaporator - dehydrator reservoir connecting pipe: Removal - Refitting](#)
- [Compressor - rear condenser connecting pipe: Removal - Refitting](#)
- [Condenser - evaporator connecting pipe: Removal - Refitting](#)
- [Compressor - dehydrator reservoir connecting pipe: Removal - Refitting](#)
- [Dehydrator reservoir - rear expansion valve connecting pipe: Removal - Refitting](#)
- (see **Main expansion valve - additional expansion valve pipe: Removal - Refitting**)
- [Expansion valve - intermediate pipe connecting pipe at the expansion valve outlet: Removal - Refitting](#)
- [Dehydrator reservoir - expansion valve connecting pipe: Removal - Refitting](#)
- Daqui em diante [Condenser - dehydrator reservoir connecting pipe: Removal - Refitting](#)
- [Expansion valve - compressor connecting pipe: Removal - Refitting](#)
- [Expansion valve - rear expansion valve connecting pipe: Removal - Refitting](#)
- [Rear expansion valve - compressor connecting pipe: Removal - Refitting](#)
- [Compressor - condenser connecting pipe: Removal - Refitting](#)
- [Compressor - intermediate pipe connecting pipe: Removal - Refitting](#)

2. OPERATION FOR REMOVAL OF PART CONCERNED



- Remove the seal from the connecting pipe using the toolSet of trim removal levers.([Car. 1363](#)) .
- Fit blanking plugs.



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

REFITTING

1. REFITTING OPERATION FOR PART CONCERNED

- Refit the seal on the connecting pipe.

- Proceed in the reverse order to removal.

Note:



A summary table gives the quantities of refrigerant in the system according to the engine types ([see 62A, Air conditioning, Air conditioning: Parts and consumables for the repair](#)).

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

- Perform the following operations:

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



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