

CONDENSER: 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 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 engine undertray,
- the front wheels [Front hub carrier assembly: Exploded view](#) ,
- the front section of the front wheel arch liners [Exterior body front trim assembly: Exploded view](#) ,
- the front bumper [Front bumper assembly: Exploded view](#) ,
- the headlights [Exterior body front trim assembly: Exploded view](#) ,
- the engine cooling fan assembly [Coolant circuit assembly: Exploded view](#) .

2. REMOVAL OPERATION

❏ Remove [\(see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view\)](#) :

- the bolt securing the bracket for the "intermediate pipe - condenser connecting pipe" connecting pipe to the condenser,
- the bolt securing the bracket for the "condenser - intermediate pipe connecting pipe" connecting pipe to the condenser.



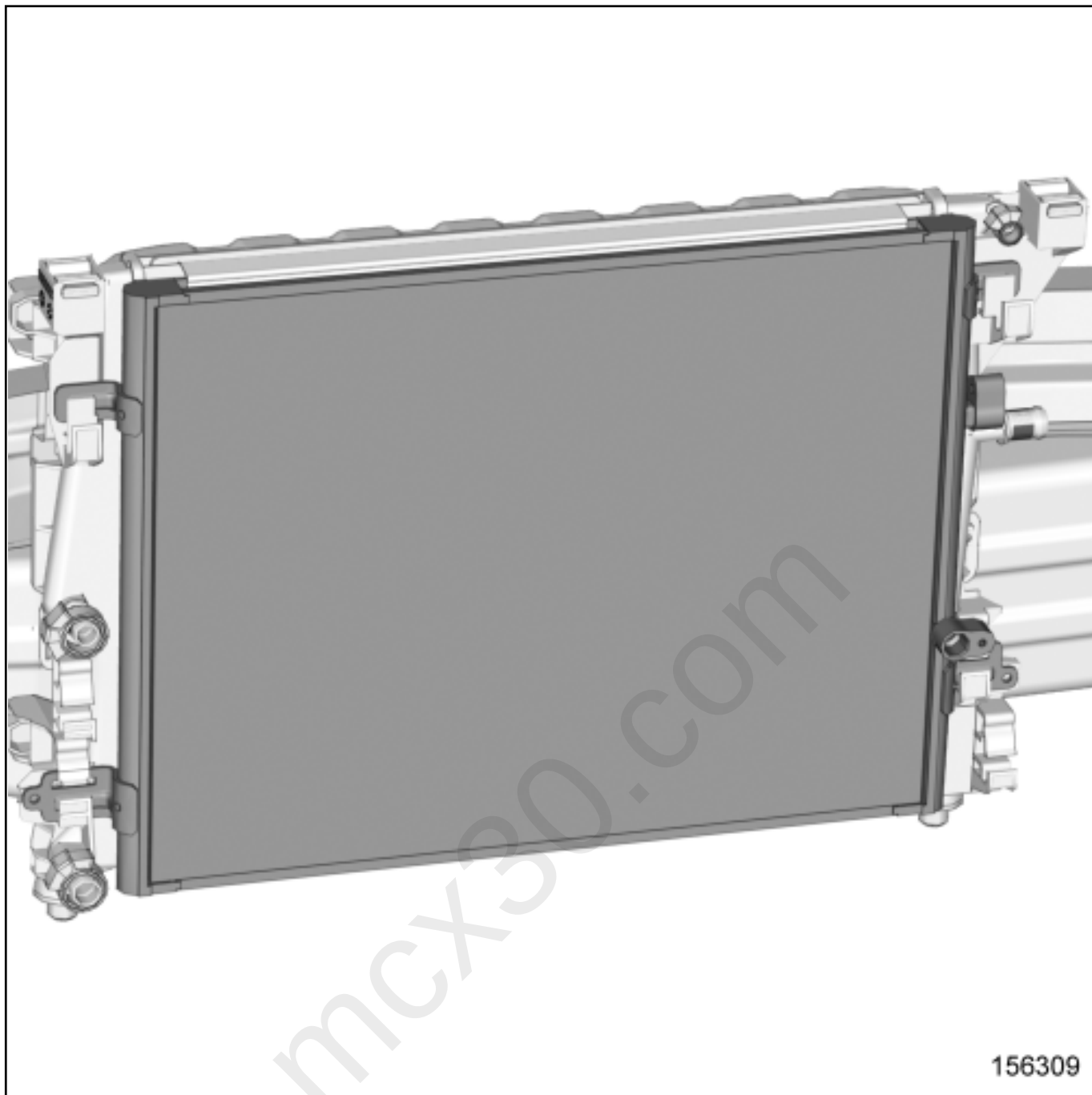
CAUTION

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

❏ Disconnect [\(see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view\)](#) :

- the "intermediate pipe - condenser connecting pipe" connecting pipe to the condenser,
- the "condenser - intermediate pipe connecting pipe" connecting pipe to the condenser.

❏ Insert the blanking plugs.



- Unclip the condenser from the cooling radiator.
- Remove the condenser([see 62A, Air conditioning, Passenger compartment cooling assembly: Exploded view](#)) .

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.

- ❑ 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. REMOVAL OPERATION

- ❑ Proceed in the reverse order to removal.
- ❑ 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](#)) .

