

## REMOVING - REFITTING : COOLING CONDENSOR

**ESSENTIAL** : Observe the safety and cleanliness recommendations ⓘ .

**ESSENTIAL** : Before carrying out any work on the air conditioning circuit, take the necessary precautions ⓘ .

**CAUTION** : Do not remove the pipe plugs, clamps or unions until carrying out the connection to vehicle.

### 1. Tooling

| tool                                                                                                                         | Reference | Designation                               |
|------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------------|
| <p>[1701-HZ]</p>  <p>Figure : E5AD00ZT</p> | 1701-HZ   | Air conditioning circuit protection plugs |
|  <p>Figure : E5AB0CLT</p>                 | -         | Filling and recycling equipment           |

### 2. Removing

Drain the air conditioning circuit ; Using the charging station .

**Remove the front bumper** ⓘ .

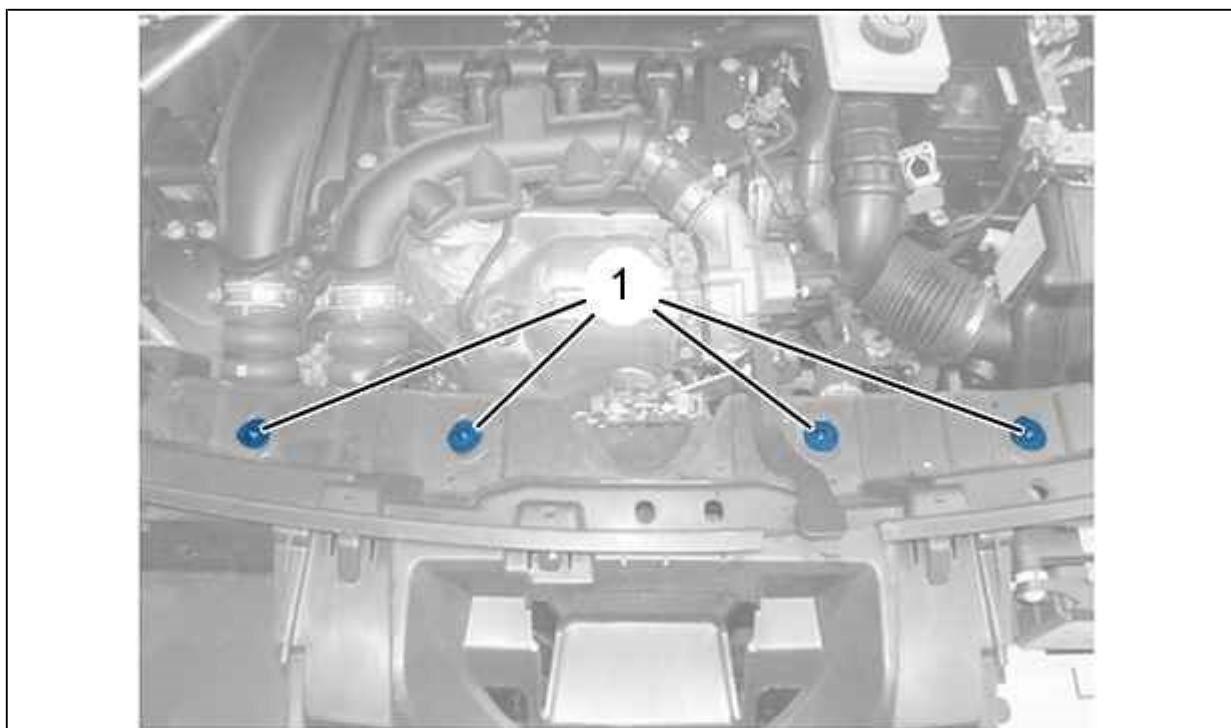


Figure : C5HG0DAD

Remove the bolts (1).

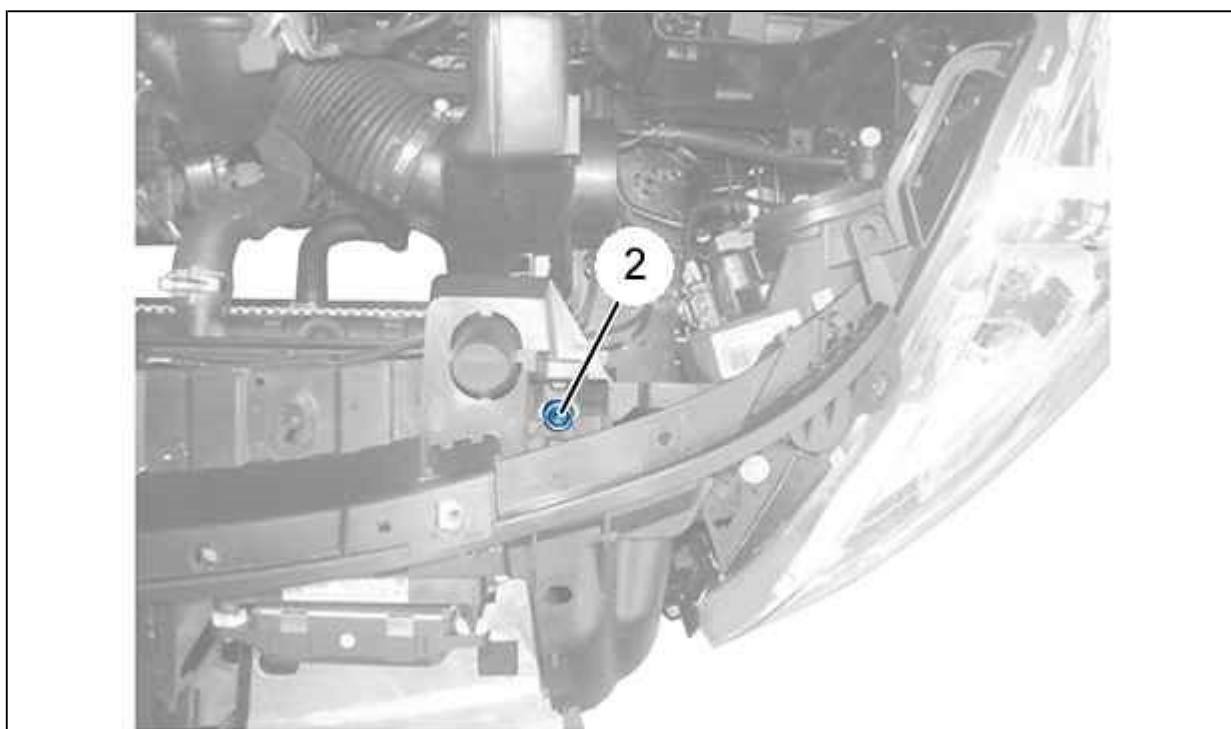


Figure : C5HG0DBD

Remove bolts (2) ( each side ).

**Remove the headlamps** ⓘ.

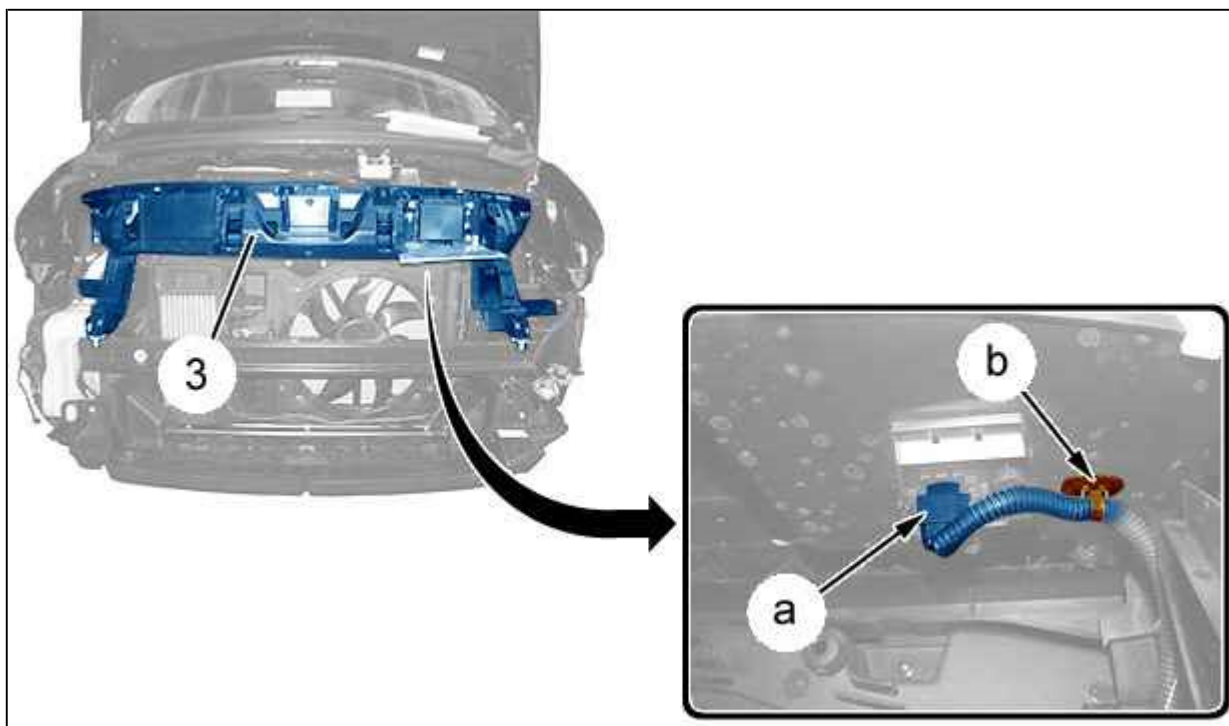


Figure : C5HG0DCD

Disconnect the connector ( as "a" ) (According to specification ).  
 Unclip the electrical harness ( as "b" ) (According to specification ).  
 Remove : The front bumper upper frame (3).

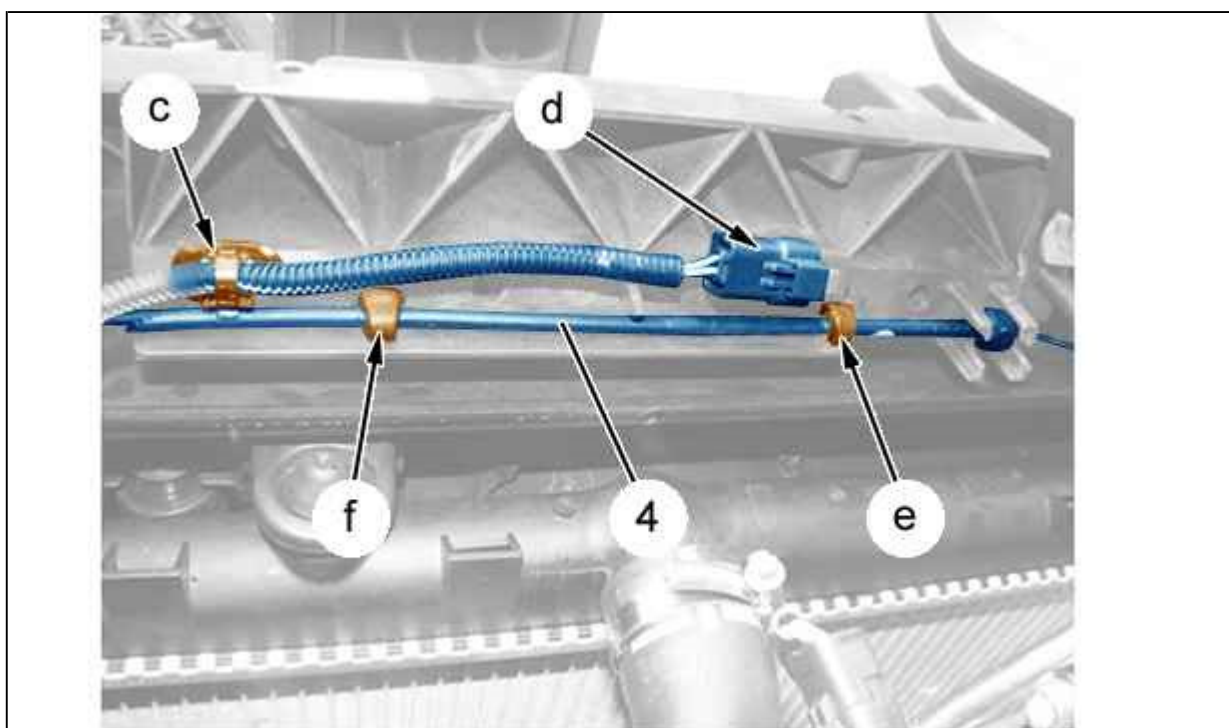


Figure : C5HG0DDD

Disconnect the connector ( as "d" ).  
 Unclip the electrical harness ( as "c" ).  
 Release the cable (4) ( as "e", "f" ).

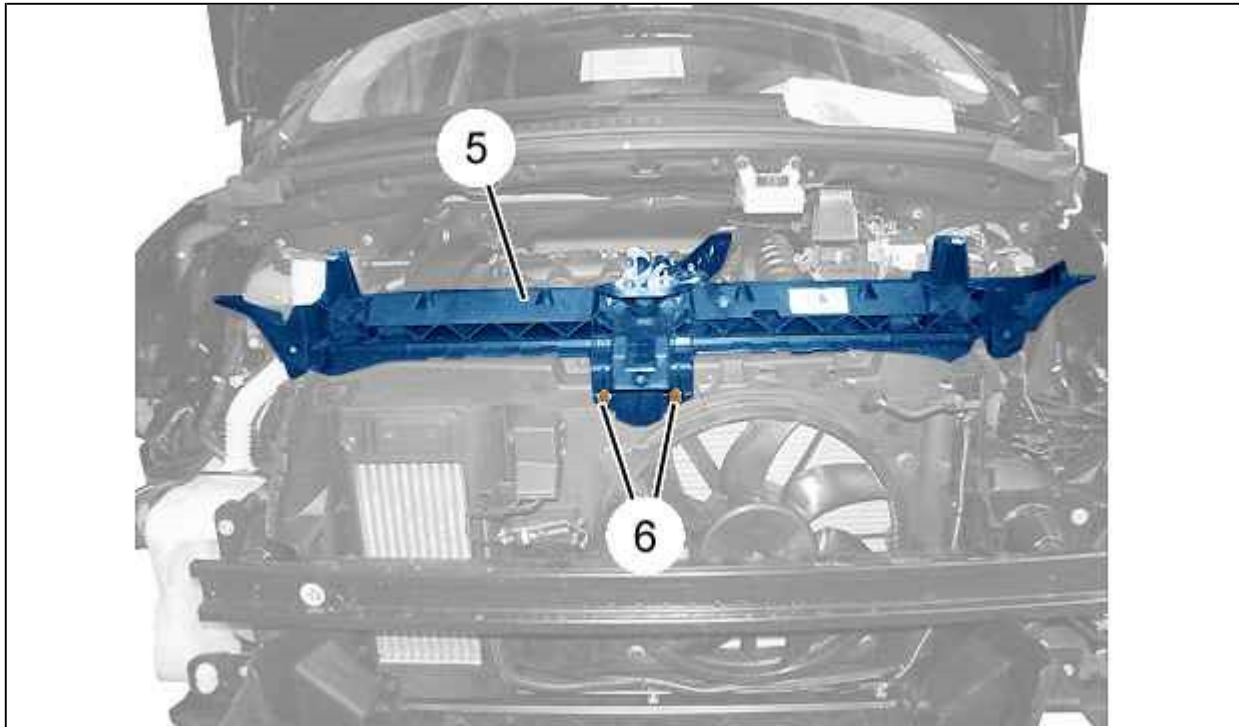


Figure : C5HG0DED

Remove the bolts (6).

Release : The bumper lower frame (5).

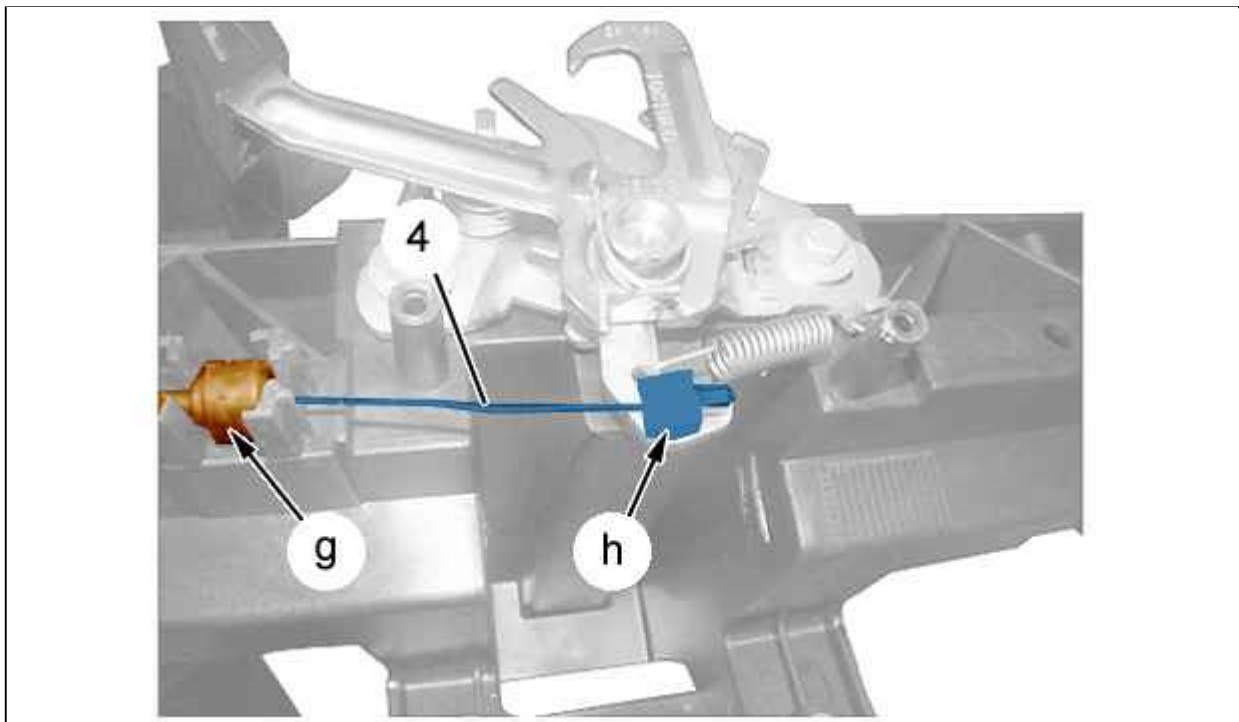


Figure : C4AG1IJD

Unclip the cable (4) ( as "g", "h" ).

Remove : The bumper lower frame (5).

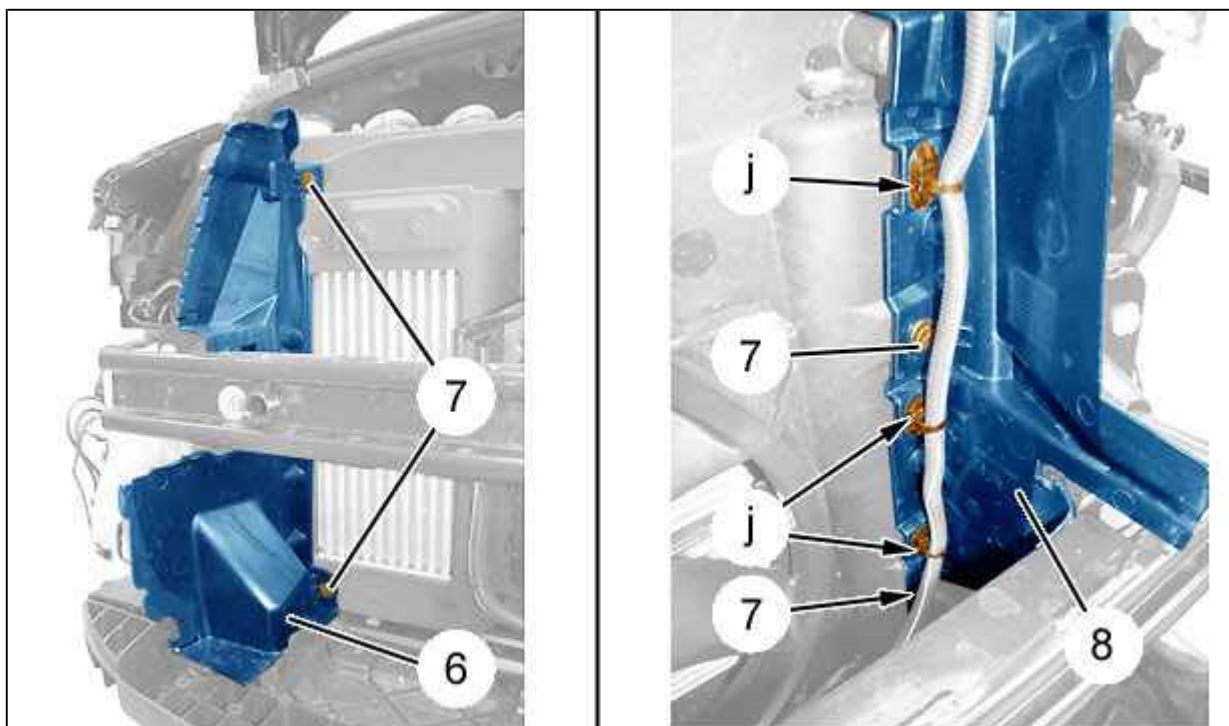


Figure : C5HG0DGD

Unclip the electrical harness ( as "j" ) (According to equipment ).

Remove :

- The quarter-turn screws (7)
- The partition baffles (6), (8)

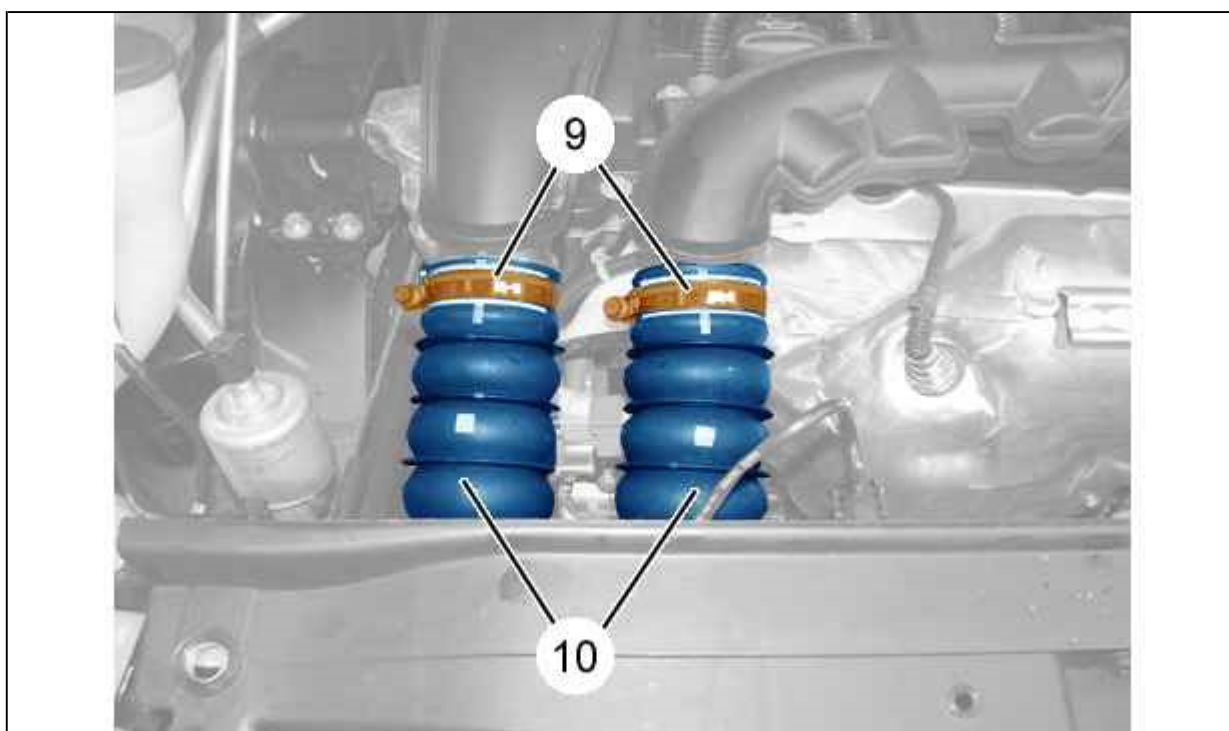


Figure : C5HG0DHD

Remove the clips (9) (Depending on engine type ).

Detach : The ducts (10) from the turbocharger air cooler (Depending on engine type ).

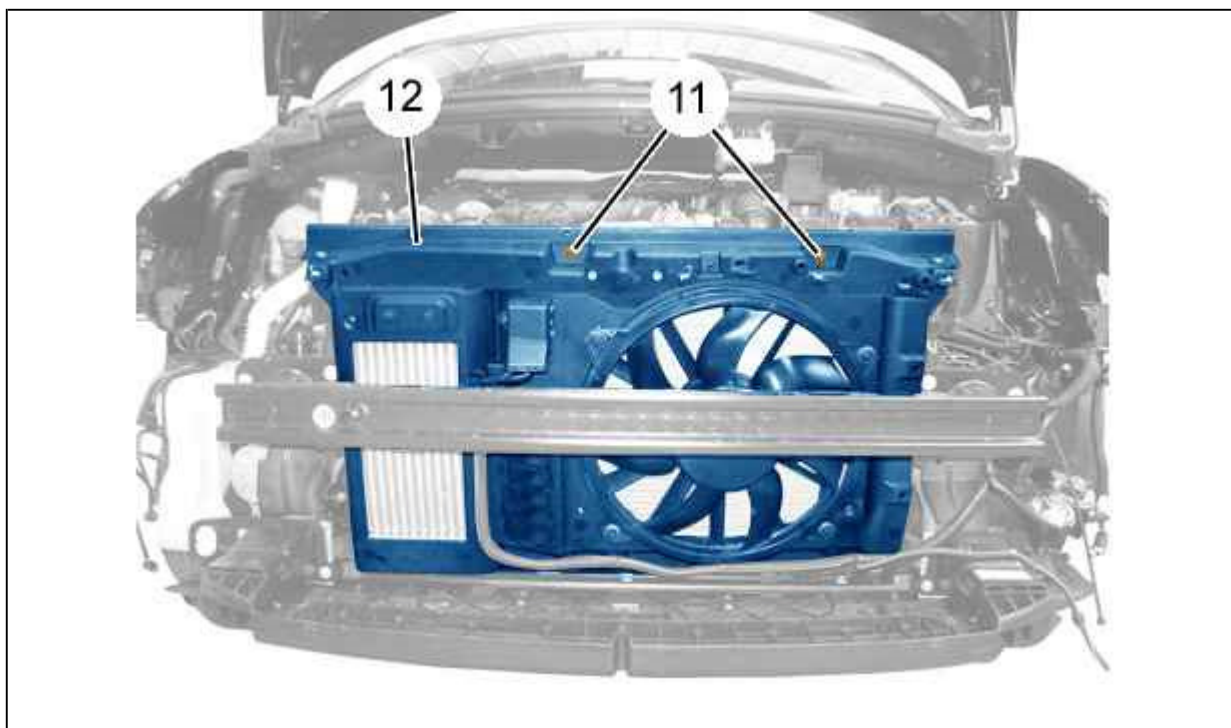


Figure : C5HG0DID

Remove :

- The bolts (11)
- The 2 upper supports of the engine cooling radiator

Tilt the panel (12) forwards.

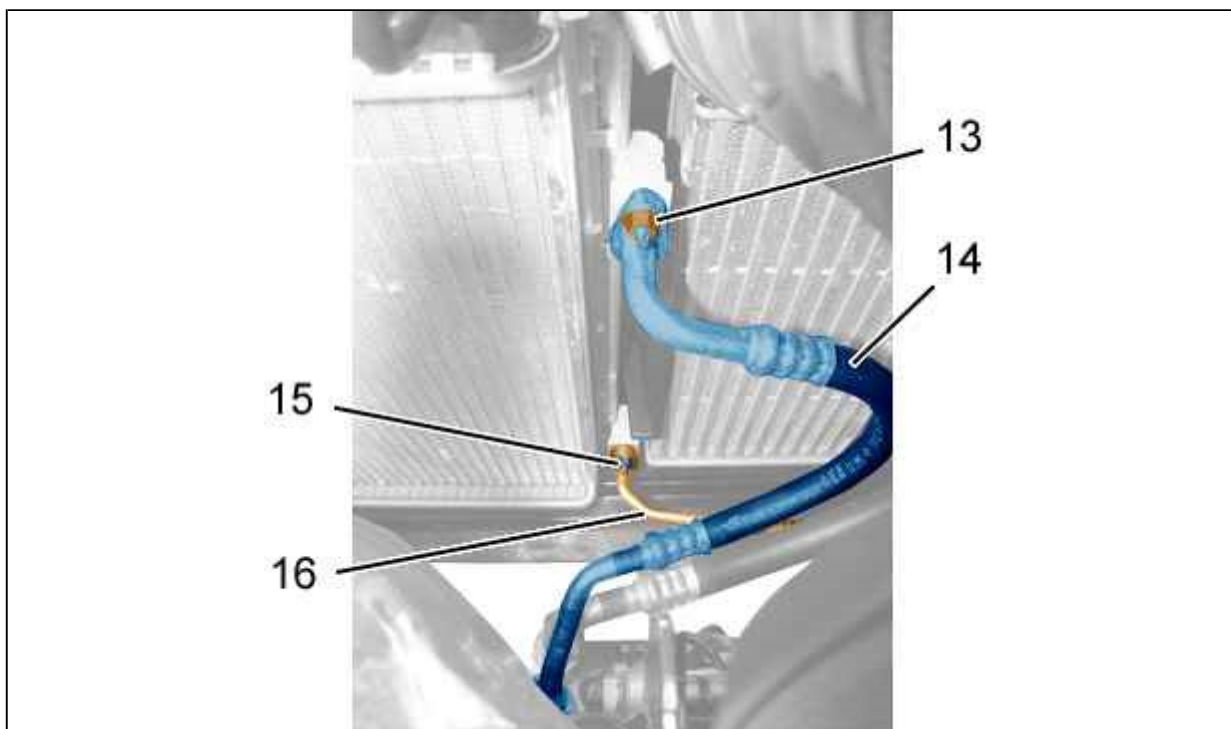


Figure : C5HG0DJJ

**CAUTION** : Plug all the conduits quickly to prevent the entry of humidity ; Using tool 1701-HZ.

Remove :

- The nuts (13), (15)
- Uncouple the air conditioning pipes ( 14), (16) perpendicular to the air conditioning condenser

Release : The cooling radiator (/) (Towards the rear ).

Remove : The air conditioning capacitor .

### 3. Refitting

**CAUTION :** Respect the tightening torques for the refrigerant pipes ⓘ .

Position : The air conditioning capacitor .

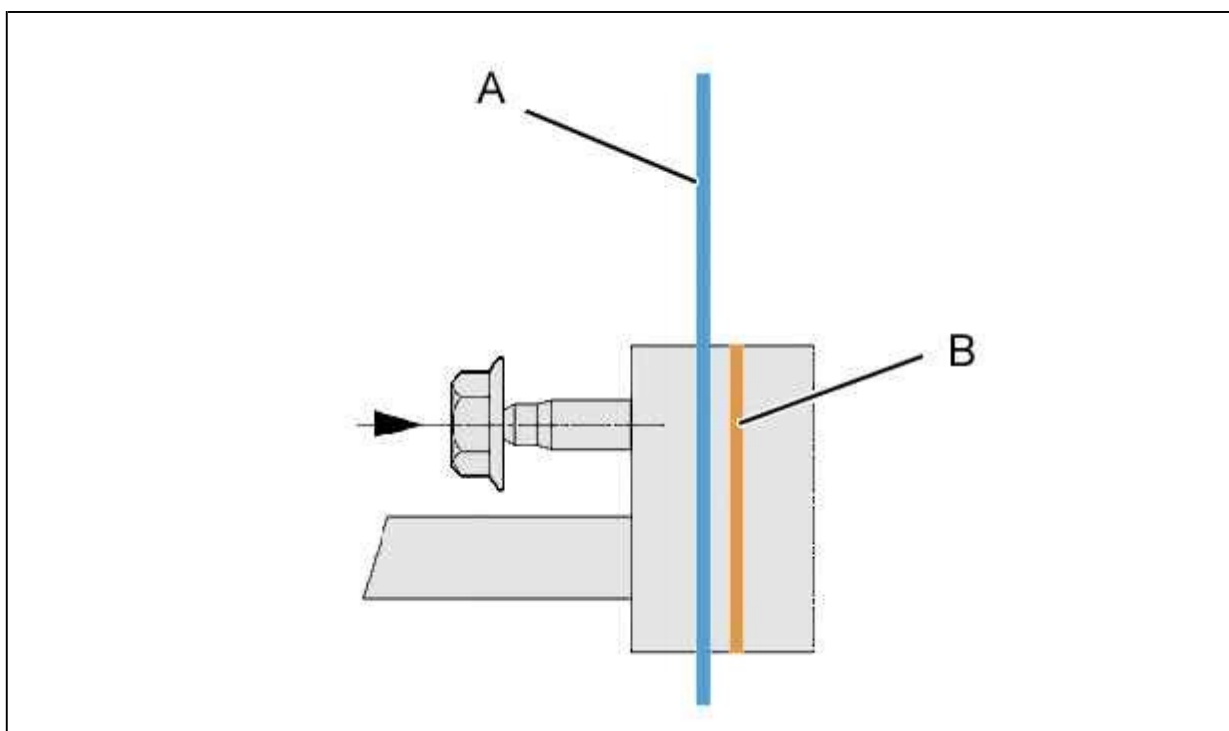


Figure : C5HM00YD

**CAUTION :** When refitting the air conditioning pipes, the bearing surface "A" of the clamp must be in contact with the condenser bearing surface "B" before the nut is tightened.

**CAUTION :** Check that the refrigerant pipes are clean upstream and downstream of the air conditioning condenser.

**CAUTION :** Fit new seals lubricated with air conditioning compressor oil before refitting the piping.

Couple the air-conditioning pipes (14), (16) to the air-conditioning condenser.

Fit the nuts (13), (15).

Carry out : Vacuum extraction of the air conditioning circuit (For 15 minutes minimum ).

Check the air conditioning circuit for leaks.

Position the panel (12).

Refit :

- The 2 upper supports of the engine cooling radiator
- The bolts (11)
- The ducts (10) from the turbocharger air cooler (Depending on engine type )
- The clips (9) (Depending on engine type )
- The partition baffles (6), (8)
- The quarter-turn screws (7)

Clip the electrical harness ( as "j" ) (According to equipment ).

Clip the cable (4) on the bumper lower frame ( as "g", "h" ).

Refit :

- The bumper lower frame (5)
- The bolts (6)
- The cable (4) ( as "e", "f" )

Clip the electrical harness ( as "c" ).

Connect the connector ( as "d" ).

Refit : The front bumper upper frame (3).

Clip the electrical harness ( as "b" ) (According to specification ).

Connect the connector ( as "a" ) (According to specification ).

Refit :

- **The headlamps** ⓘ
- The bolts (2) ( each side )
- The bolts (1)
- **The front bumper** ⓘ

Carry out ; Using the charging station :

- Vacuum extraction of the air conditioning circuit (For 35 minutes minimum )
- **Filling of the air conditioning circuit** ⓘ

Check the operation of the air conditioning .