

## Air Conditioning - ID4 2.2L Diesel -

## Torque Specifications

Description	Nm	lb-ft
A/C compressor bolts	48	35
A/C compressor low-pressure and high-pressure pipe bolt	30	22
A/C condenser core low-pressure and high-pressure refrigerant lines	8	6
Condenser core and condenser fan assembly bolts	15	11
Condenser fan bolts	2	1
Condenser core nuts	8	6
A/C receiver drier nuts	8	6
A/C receiver drier low-pressure and high-pressure refrigerant line bolts	8	6

# Air Conditioning - ID4 2.2L Diesel - Air Conditioning (A/C) Compressor

## Removal and Installation

### Removal

NOTE: Removal steps in this procedure may contain installation details.

NOTE: Some variation in the illustrations may occur, but the essential information is always correct.

1. For additional information, refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).
2. For additional information, refer to: [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging](#) (412-00 Climate Control System - General Information, General Procedures).

### 3. CAUTIONS:



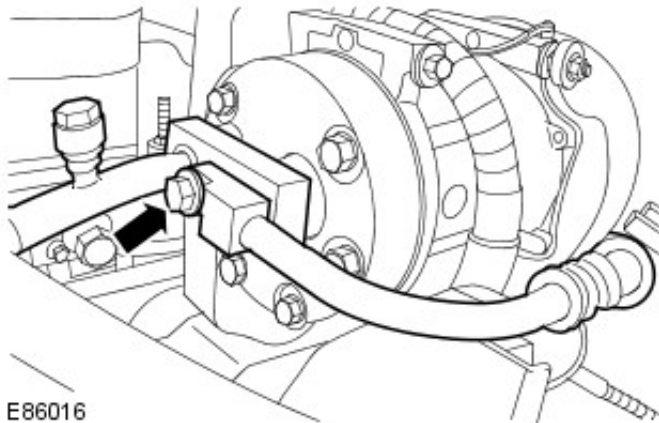
Make sure that all openings are sealed. Use new blanking caps.



Lubricate the new seals with clean refrigerant oil.

NOTE: Install new O-ring seals.

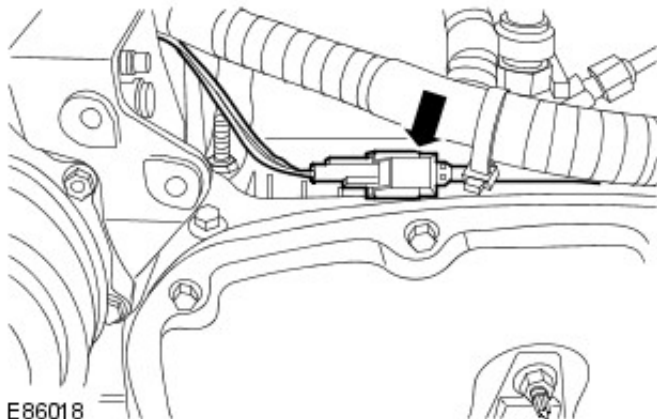
Torque: 30Nm



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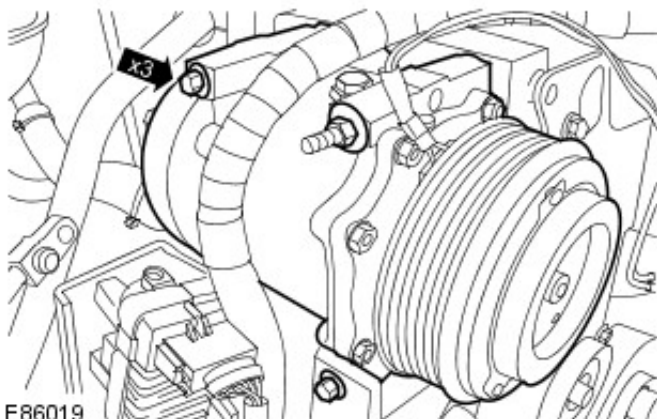
4. For additional information, refer to: [Accessory Drive Belt](#) (303-05 Accessory Drive - ID4 2.2L Diesel, Removal and Installation).

### 5.



E86018

6. Torque: 23Nm



E86019

### Installation

1. NOTE: If a new compressor is being installed, the required amount of refrigerant oil must be drained from it.

To install, reverse the removal procedure.

# Air Conditioning - ID4 2.2L Diesel - Air Conditioning (A/C) Switch

## Removal and Installation

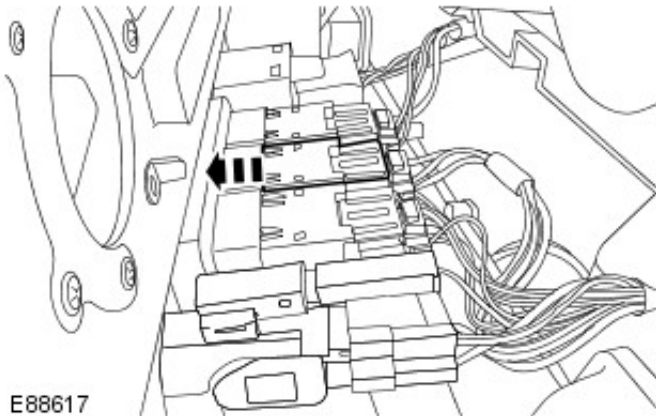
### Removal

1. Disconnect the battery ground cable.  
For additional information, refer to: Battery Disconnect (414-01 Battery, Mounting and Cables, General Procedures).
2. Remove the audio unit.  
For additional information, refer to: Audio Unit (415-01 Audio Unit, Removal and Installation).
3. Release the instrument panel console.



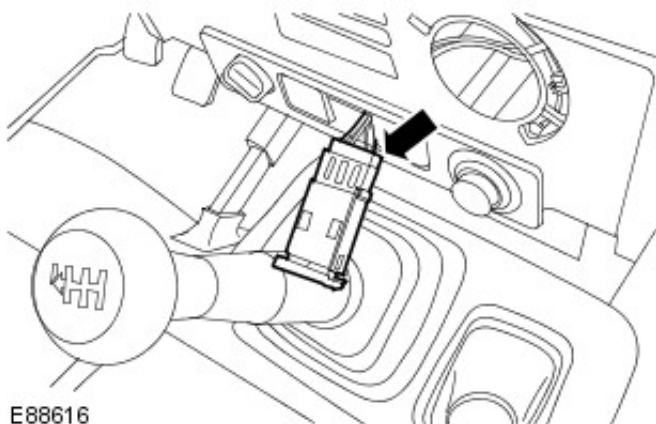
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4. Release the air conditioning (A/C) switch.



E88617

5. Remove the A/C switch.
  - Disconnect the electrical connector.



E88616

### Installation

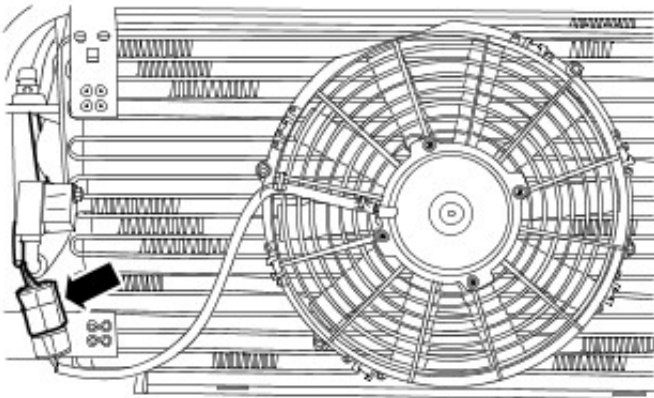
1. To install, reverse the removal procedure.
2. Connect the battery ground cable.  
For additional information, refer to: Battery Connect (414-01 Battery, Mounting and Cables, General Procedures).



# Air Conditioning - ID4 2.2L Diesel - Condenser Core Removal and Installation

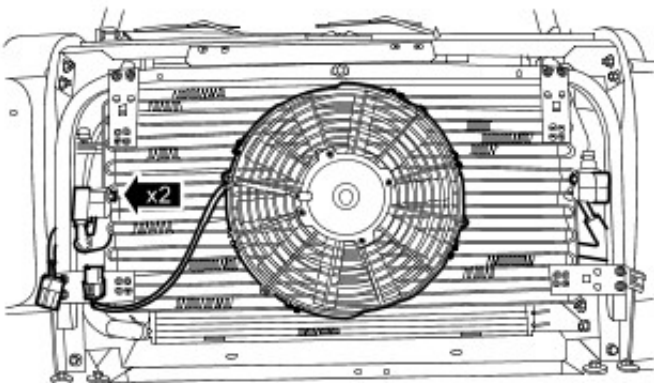
## Removal

1. Disconnect the battery ground cable.  
For additional information, refer to: Battery Disconnect (414-01, General Procedures).
2. Recover the air conditioning (A/C) refrigerant.  
For additional information, refer to: Air Conditioning (A/C) System Recovery, Evacuation and Charging (412-00, General Procedures).
3. Remove the radiator grille.  
For additional information, refer to: Radiator Grille (501-08, Removal and Installation).
4. Disconnect the condenser fan electrical connector.



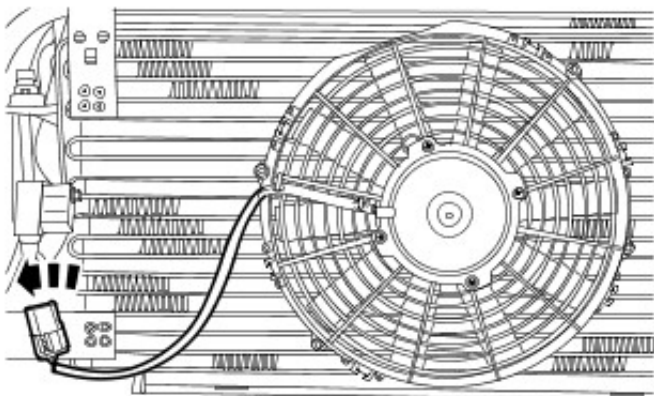
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5. Disconnect the A/C condenser core low-pressure and high-pressure refrigerant lines.
  - Remove the 2 bolts.
  - Remove and discard the O-ring seals.



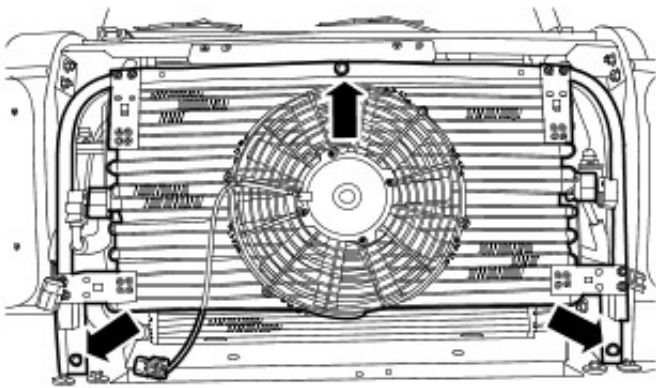
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6. Release the condenser fan electrical connector.



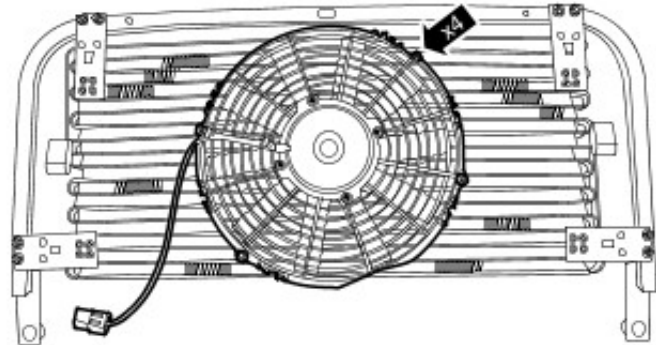
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7. Remove the condenser core and condenser fan assembly.
  - Remove the 3 bolts.



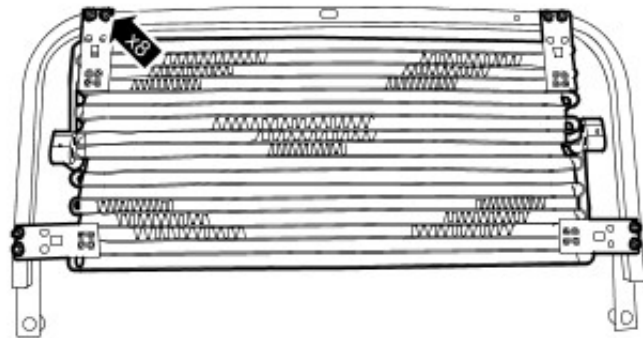
E86025

8. Remove the condenser fan.
  - Remove the 4 bolts.



E86026

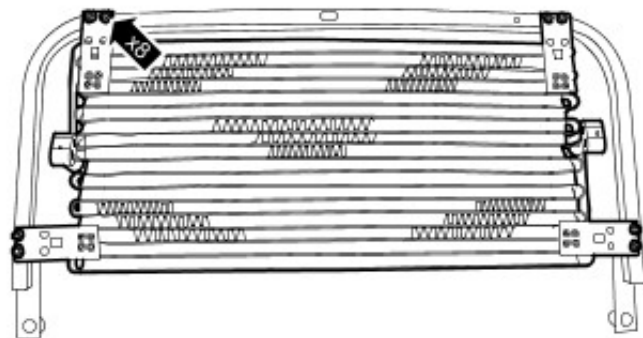
9. Remove the condenser core.
  - Remove the 8 nuts.



E86027

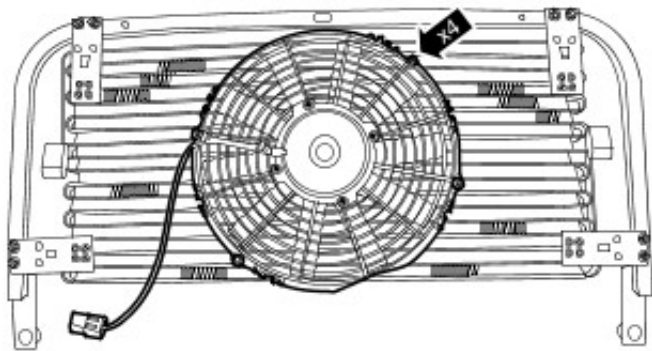
## Installation

1. To install, reverse the removal procedure.
  - Tighten to 8 Nm (6 lb.ft).



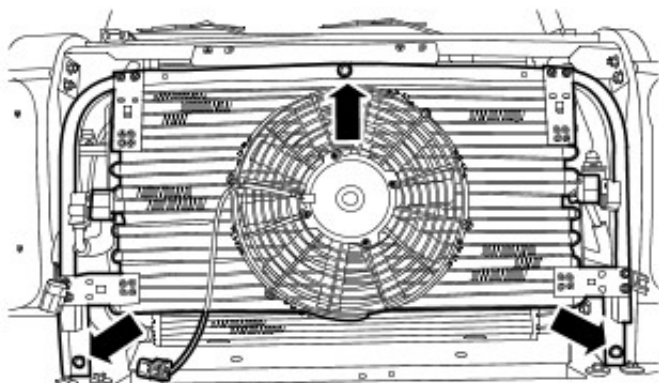
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2. Tighten to 2 Nm (1 lb.ft).



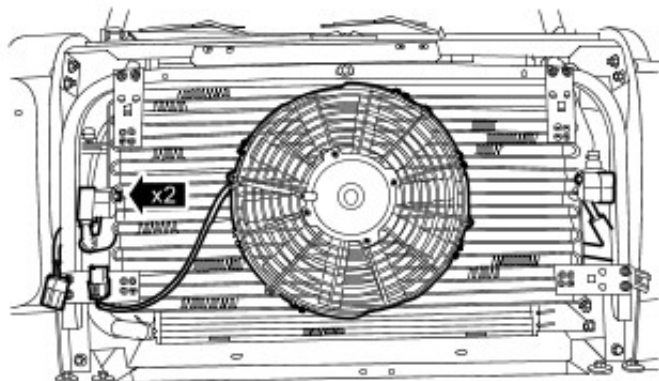
E 86026

3. Tighten to 15 Nm (11 lb.ft).



E 86025

4. Tighten to 8 Nm (6 lb.ft).



E 86024

5. Connect the battery ground cable.  
For additional information, refer to: Battery Connect (414-01,  
General Procedures).

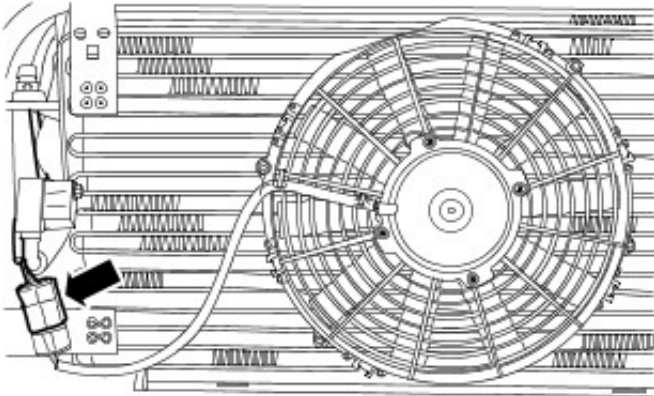


# Air Conditioning - ID4 2.2L Diesel - Condenser Fan

## Removal and Installation

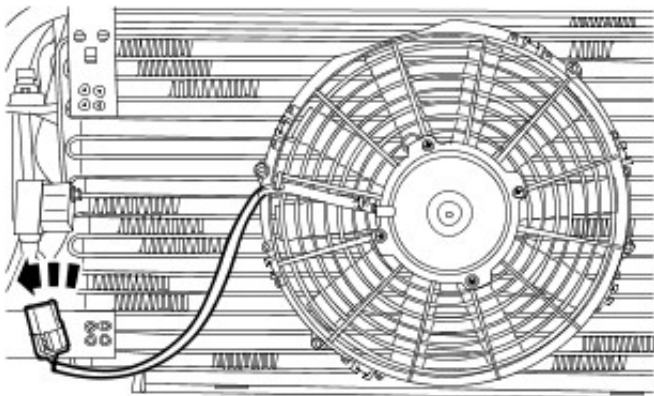
### Removal

1. Disconnect the battery ground cable.  
For additional information, refer to: Battery Disconnect (414-01, General Procedures).
2. Remove the radiator grille.  
For additional information, refer to: Radiator Grille (501-08, Removal and Installation).
3. Disconnect the condenser fan electrical connector.



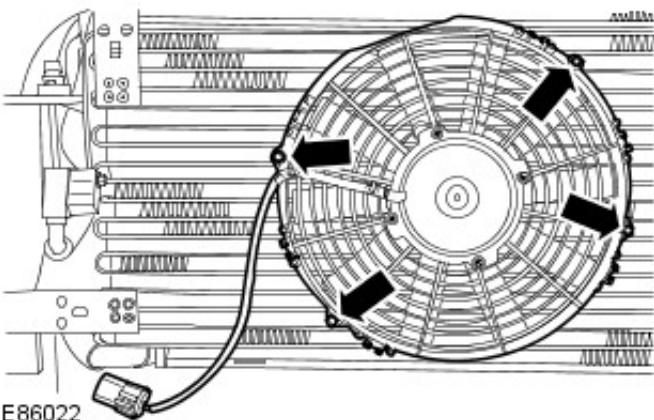
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4. Release the condenser fan electrical connector.



E86021

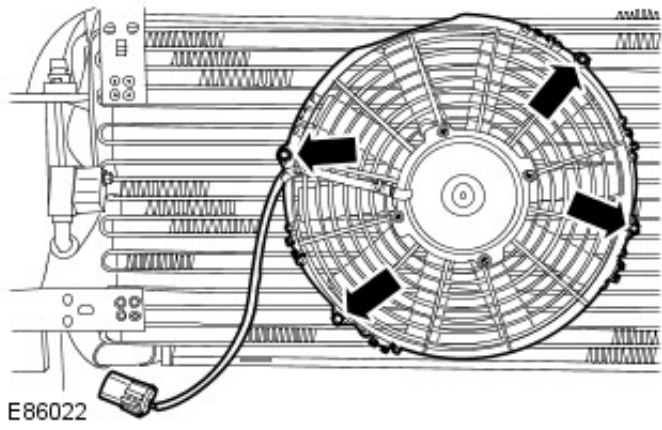
5. Remove the condenser fan.
  - Remove the 4 bolts.



E86022

### Installation

1. To install, reverse the removal procedure.
  - Tighten to 2 Nm (1 lb.ft).



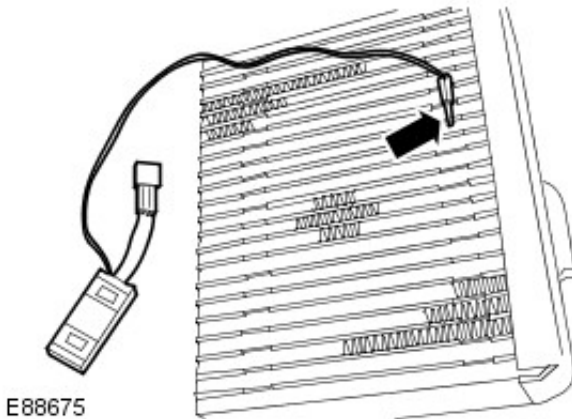
2. Connect the battery ground cable.  
For additional information, refer to: Battery Connect (414-01, General Procedures).

# Air Conditioning - ID4 2.2L Diesel - De-Icing Switch

## Removal and Installation

### Removal

1. Disconnect the battery ground cable.  
For additional information, refer to: Battery Disconnect (414-01, General Procedures).
2. Remove the evaporator core.  
For additional information, refer to: Evaporator Core (412-03, Removal and Installation).
3. Remove the de-icing switch from the evaporator core.



### Installation

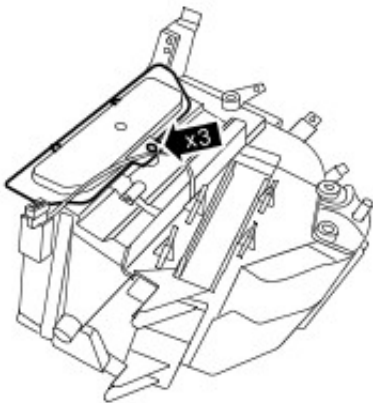
1. To install, reverse the removal procedure.
2. Connect the battery ground cable.  
For additional information, refer to: Battery Connect (414-01, General Procedures).

# Air Conditioning - ID4 2.2L Diesel - Evaporator Core

## Removal and Installation

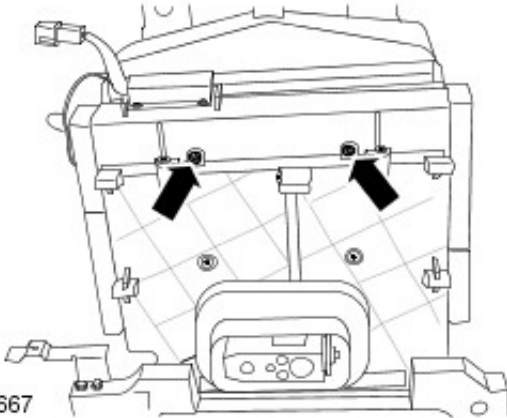
### Removal

1. Disconnect the battery ground cable.  
For additional information, refer to: Battery Disconnect (414-01 Battery, Mounting and Cables, General Procedures).
2. Remove the heater core.  
For additional information, refer to: Heater Core (412-02 Heating and Ventilation, Removal and Installation).
3. Remove the evaporator core end cover.
  - Remove the 3 screws.



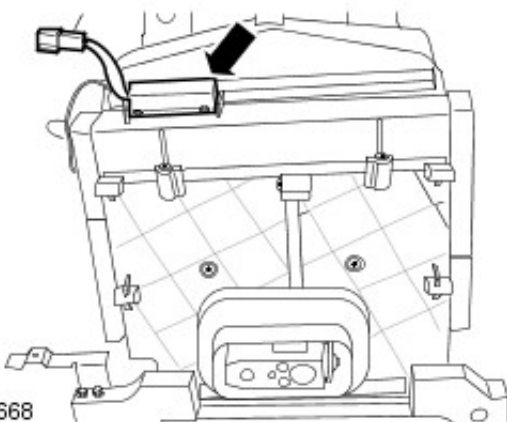
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4. Release the evaporator core housing lower cover.
  - Remove the 2 screws.



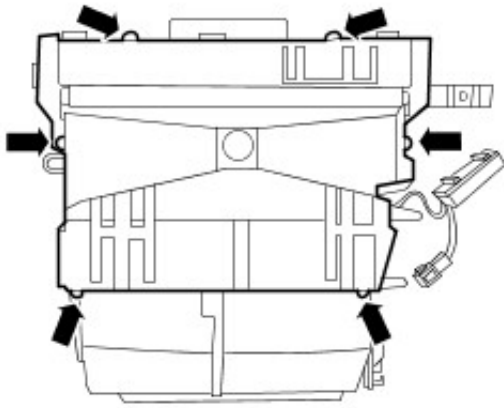
E88667

5. Release the de-icing sensor.



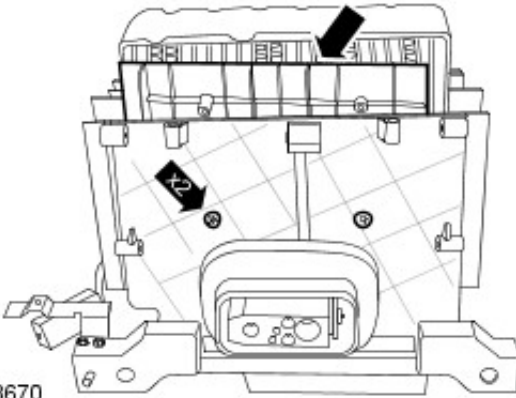
E88668

6. Remove the evaporator core housing lower cover.
  - Remove the 6 screws.



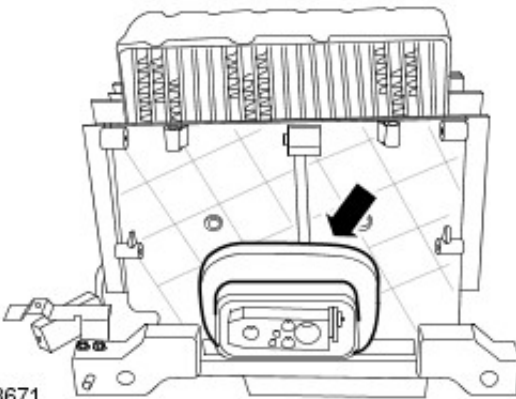
E88669

7. Remove the air flow deflector.
  - Remove the 2 screws.



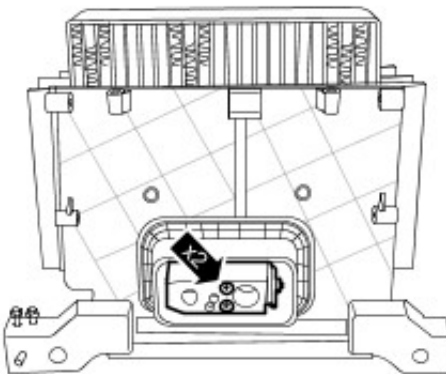
E88670

8. Remove the foam seal.



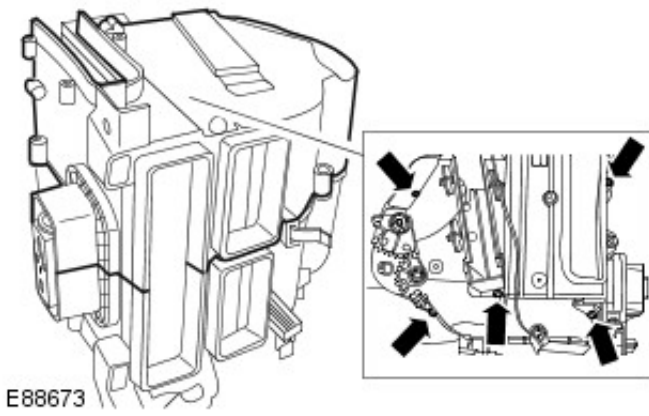
E88671

9. Remove the thermostatic expansion valve.
  - Remove the 2 bolts.
  - Remove and discard the O-ring seals.



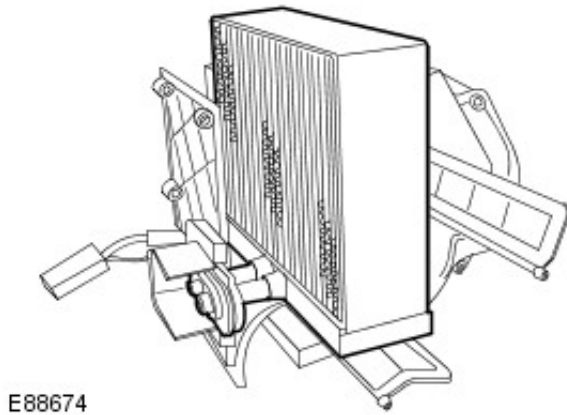
E88672

10. Separate the evaporator core housing.
  - Remove the 5 screws.



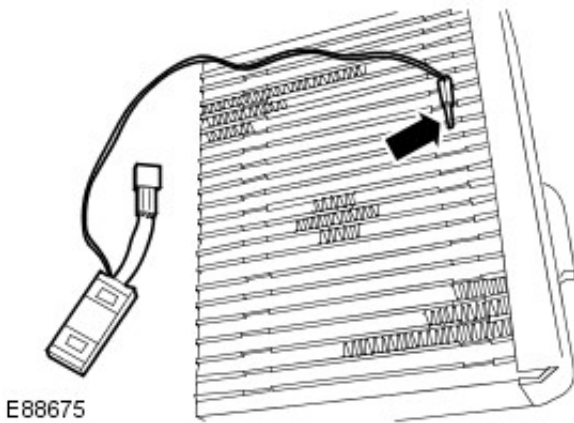
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11. Remove the evaporator core.



E88674

12. Remove the de-icing switch from the evaporator core.



E88675

## Installation

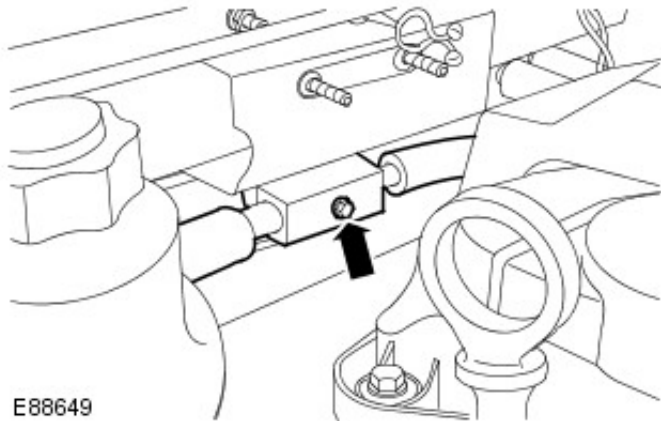
1. To install, reverse the removal procedure.
2. Connect the battery ground cable.  
For additional information, refer to: Battery Connect (414-01 Battery, Mounting and Cables, General Procedures).


# Air Conditioning - ID4 2.2L Diesel - Thermostatic Expansion Valve

## Removal and Installation

### Removal

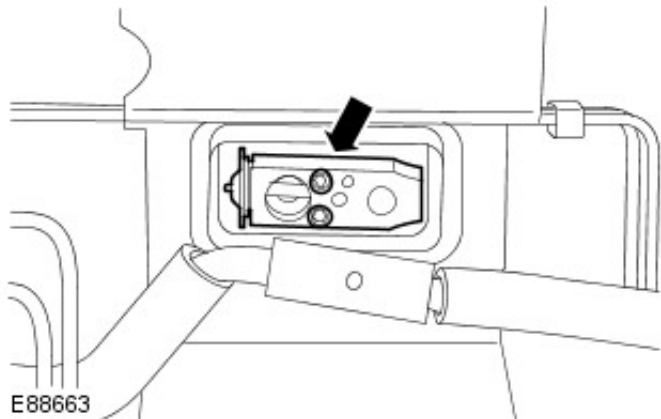
1. Disconnect the battery ground cable.  
For additional information, refer to: Battery Disconnect (414-01 Battery, Mounting and Cables, General Procedures).
2. Recover the air conditioning (A/C) refrigerant.  
For additional information, refer to: Air Conditioning (A/C) System Recovery, Evacuation and Charging (412-00 Climate Control System - General Information, General Procedures).
3. Remove the engine control module (ECM).  
For additional information, refer to: Engine Control Module (ECM) (303-14 Electronic Engine Controls - 2.4L Diesel, Removal and Installation).



4.  **CAUTION:** Make sure that all openings are sealed. Use new blanking caps.

Release the thermostatic expansion valve manifold and tube assembly.

- Remove the bolt.
- Remove and discard the O-ring seal.



5. Remove the thermostatic expansion valve.
  - Remove the 2 bolts.
  - Remove and discard the O-ring seals.

### Installation

1. To install, reverse the removal procedure.
2. Connect the battery ground cable.  
For additional information, refer to: Battery Connect (414-01 Battery, Mounting and Cables, General Procedures).

# Air Conditioning - ID4 2.2L Diesel - Receiver Drier

## Removal and Installation

### Removal

1. Recover the air conditioning (A/C) refrigerant.  
For additional information, refer to: Air Conditioning (A/C) System Recovery, Evacuation and Charging (412-00, General Procedures).

2. Release the power steering fluid reservoir.
  - Remove the 2 nuts.



E87600

3.  **CAUTION:** Make sure that all openings are sealed. Use new blanking caps.

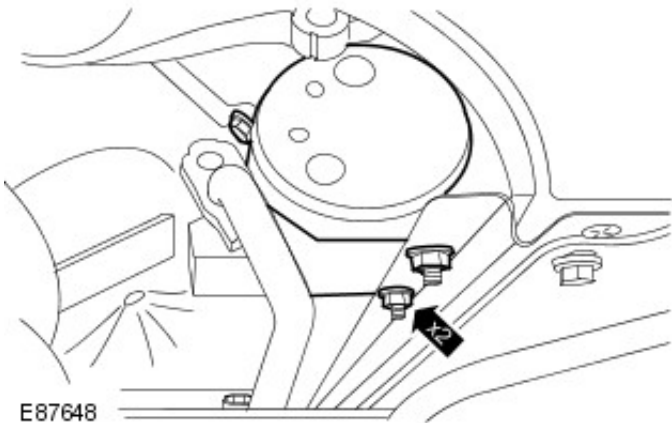
Disconnect the A/C receiver drier low-pressure and high-pressure refrigerant lines.

- Remove the 2 bolts.
- Remove and discard the O-ring seals.



E87647

4. Remove the A/C receiver drier.
  - Remove the 2 nuts.

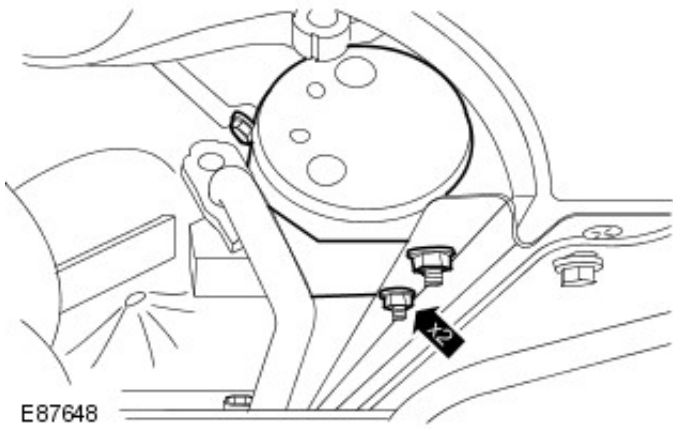


E87648

### Installation

1. Install the A/C receiver drier.
  - Tighten to 8 Nm (6 lb.ft).





- NOTE: Coat the receiver drier O-ring seals in clean refrigerant oil prior to installation.

NOTE: Remove and discard the blanking caps.

Connect the A/C receiver drier low-pressure and high-pressure refrigerant lines.

- Tighten to 8 Nm (6 lb.ft).



- Secure the power steering fluid reservoir.
  - Tighten to 4 Nm (3 lb.ft).



- Refill the air conditioning (A/C) refrigerant.  
For additional information, refer to: Air Conditioning (A/C) System Recovery, Evacuation and Charging (412-00, General Procedures).

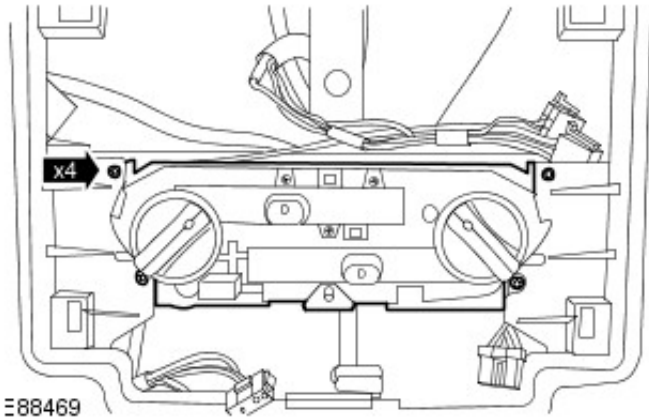
# Control Components - Climate Control Assembly

## Removal and Installation

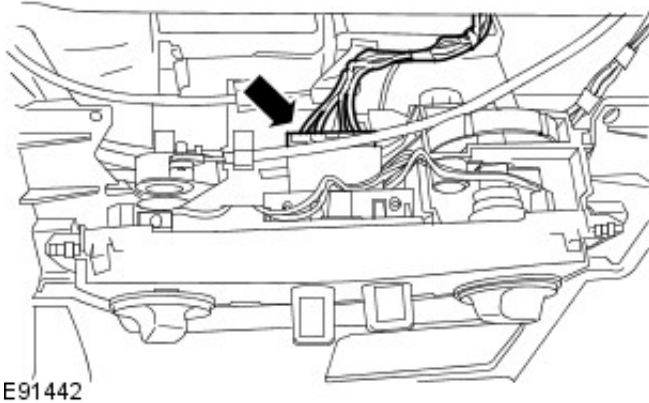
### Removal

1. Remove the instrument panel console.  
For additional information, refer to: Instrument Panel Console (501-12, Removal and Installation).

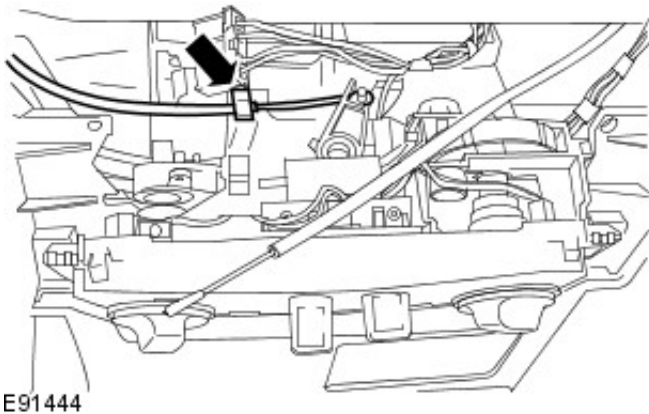
2. Release the climate control assembly.
  - Remove the 4 screws.



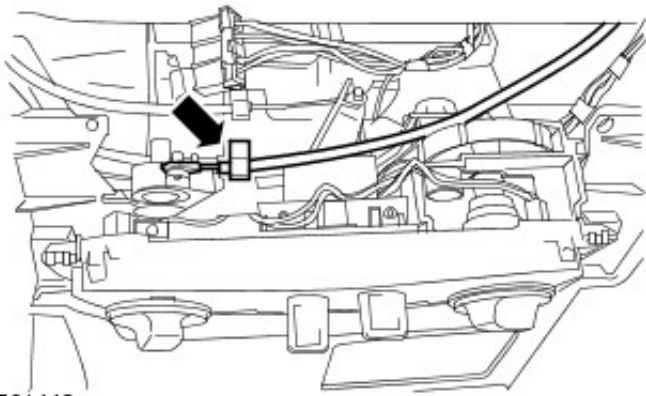
3. Disconnect the blower motor speed control switch electrical connector.



4. Disconnect the recirculation blend door control cable.
  - Release the clip.

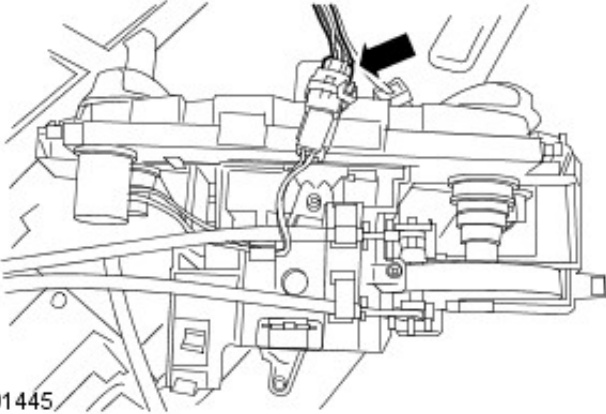


5. Disconnect the heater control valve control cable.
  - Release the clip.



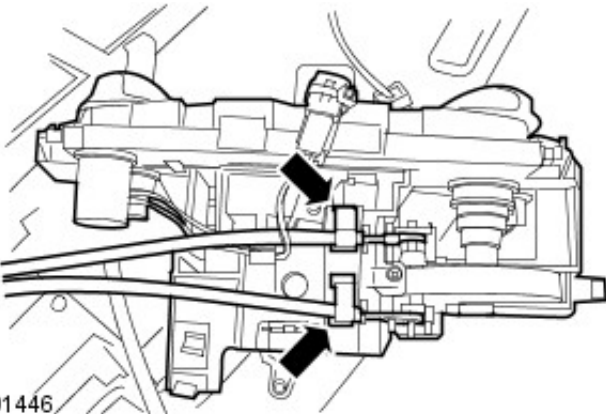
E91443

6. Disconnect the climate control assembly illumination electrical connector.



E91445

7. Remove the climate control assembly.
  - Release the clips.
  - Disconnect the 2 blend door control cables.



E91446

## Installation

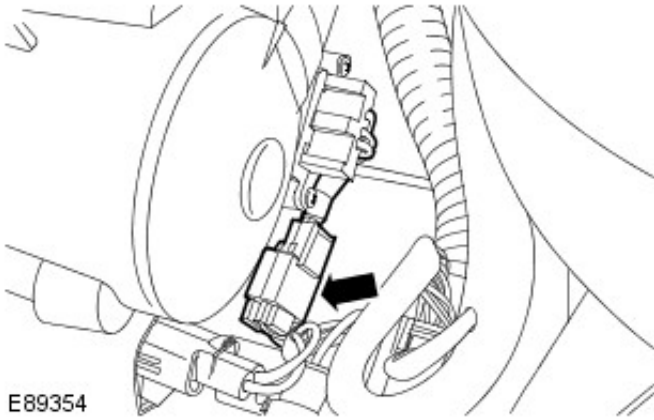
1. To install, reverse the removal procedure.

# Control Components - Blower Motor Resistor

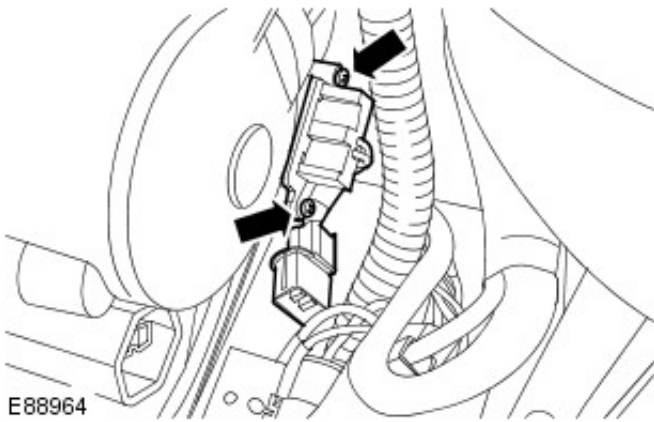
## Removal and Installation

### Removal

1. Disconnect the electrical connector.



2. Remove the blower motor resistor.
  - Remove the 2 screws.



### Installation

1. To install, reverse the removal procedure.

## Instrument Cluster -

## Torque specifications

Discription	Nm	lb.ft
Instrument cluster	2	1
Instrument cluster upper finisher	2	1
Instrument cluster lower finisher	2	1