MODEL 164
with CODE (580) Automatic air conditioning
with CODE (581) Comfort automatic air conditioning
with CODE (582) Rear air conditioner

Shown on model 164.1

1. Engine compartment sealing
2. Bolts
3. Partition wall section

4. Screw
5. Bracket
6. Screw
7. Low pressure pipe
8. Heater hose
9. High pressure pipe

10. Catch
11. Rubber grommet
12. Partition wall
### Notes on handling refrigerant R134a

Air conditioning with refrigerant R134a

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Drain air conditioning system</td>
</tr>
<tr>
<td>2.1</td>
<td>Remove air filter housing</td>
</tr>
<tr>
<td>2.2</td>
<td>Remove left-hand air filter housing</td>
</tr>
<tr>
<td>3</td>
<td>Remove engine compartment sealing (1)</td>
</tr>
<tr>
<td>4</td>
<td>Remove bolts (2)</td>
</tr>
<tr>
<td>5</td>
<td>Remove partition wall section (3)</td>
</tr>
<tr>
<td>6</td>
<td>Remove screw/bolt (4) from bracket (5)</td>
</tr>
<tr>
<td>7</td>
<td>Unclip brackets (5)</td>
</tr>
<tr>
<td>8</td>
<td>Remove screw (6)</td>
</tr>
<tr>
<td>9</td>
<td>Pull apart low-pressure line (7), seal openings</td>
</tr>
<tr>
<td>10</td>
<td>Unclip low-pressure line (7), hot water hose (8) and high pressure line (9)</td>
</tr>
<tr>
<td>11</td>
<td>Open catch (10) at rubber passage (11)</td>
</tr>
<tr>
<td>12</td>
<td>Remove low-pressure line (7) and hot water hose (8) from rubber passage (11)</td>
</tr>
<tr>
<td>13</td>
<td>Unscrew nut (13), remove retaining plate (14)</td>
</tr>
</tbody>
</table>

### Danger! Risk of explosion from welding or soldering work on sealed air conditioning system. Risk of poisoning caused by inhaling overheated refrigerant vapors. Risk of injury to skin and eyes caused by contact with liquid refrigerant.

### Conduct if air conditioning system is damaged or leaking

- All models

### Protect air conditioning circuit and components from moisture when carrying out repair work

- All models with air conditioning

### Notes on handling refrigerant R134a

- Air conditioning with refrigerant R134a

### Drain air conditioning system

- Air conditioning draining, evacuating and charging equipment for refrigerant R134a

### Remove air filter housing

- Engine 113
- Engine 156
- Engine 272, 273
- Engine 629

### Remove left-hand air filter housing

- Engine 642

### Remove engine compartment sealing (1)

- In area of partition wall section (3)

### Remove bolts (2)

### Remove partition wall section (3)

### Remove screw/bolt (4) from bracket (5)

### Unclip brackets (5)

### Remove screw (6)

### Pull apart low-pressure line (7), seal openings

- The connection fitting openings must be sealed, as otherwise penetrating dirt and moisture can damage the components connected to the refrigerant circuit.

### Unscrew nut (13), remove retaining plate (14)

### Risk of explosion

Risk of explosion from welding or soldering work on or near a closed air conditioning system. No smoking or open flames. Wear safety glasses and protective gloves. Work only in well ventilated areas. Carry out repair work on the air conditioning system circuit only after the system has been drained.

### Risk of poisoning

Risk of poisoning caused by inhaling overheated refrigerant vapors. Risk of injury to skin and eyes caused by contact with liquid refrigerant.

### Conduct if air conditioning system is damaged or leaking

- All models

### Protect air conditioning circuit and components from moisture when carrying out repair work

- All models with air conditioning

### Notes on handling refrigerant R134a

- Air conditioning with refrigerant R134a

### Drain air conditioning system

- Air conditioning draining, evacuating and charging equipment for refrigerant R134a

### Remove air filter housing

- Engine 113
- Engine 156
- Engine 272, 273
- Engine 629

### Remove left-hand air filter housing

- Engine 642

### Remove engine compartment sealing (1)

- In area of partition wall section (3)

### Unclip air conditioning circuit and components from moisture when carrying out repair work

- All models with air conditioning

### Risk of injury to skin and protective gloves. Work only in well ventilated areas. Carry out repair work on the air conditioning system circuit only after the system has been drained.

### Notes on handling refrigerant R134a

Air conditioning with refrigerant R134a
14 Remove low-pressure line (7) and high pressure line (9) from expansion valve (16)

15 Also seal openings of low-pressure line (7) and high-pressure line (9)

16 Remove screws/bolts (15) and then remove expansion valve (16).

17 Remove sealing rings (17) and seal openings of connection fittings

18 Install in the reverse order

19 Perform function test

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**Air conditioning**

<table>
<thead>
<tr>
<th>Number</th>
<th>Designation</th>
<th>Model 164.1</th>
<th>Model 164.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA83.30-P-1004-01J</td>
<td>Nut, low- and high-pressure lines to expansion valve</td>
<td>Nm 8</td>
<td>Nm 8</td>
</tr>
<tr>
<td>BA83.30-P-1006-01J</td>
<td>Bolt, expansion valve to retaining plate</td>
<td>Nm 5</td>
<td>Nm 5</td>
</tr>
</tbody>
</table>

**Extraction hook**

*BA83.30-P-1006-01J

*140589023300

Pulling hook