

BMW Group - AIR: 2020-02-20 / 10:10  
Retailer: -/-  
Model: i3 (+ REX)  
Vehicle identification number: WBY1Z4C56EVX63285  
Development code: I01  
Model code: 1Z43  
Lead type: 1Z43

#### Repair instruction

### Removing and installing (replacing) intake pipe and pressure line for electric A/C compressor

6453... I REP-REP-RAI0164-6453X01 - V.3

#### 64 53 ... Removing and installing (replacing) intake pipe and pressure line for electric A/C compressor

##### Special tools required:

- 32 1 270
- 00 9 030



##### Warning!

##### High-voltage system - danger to life!

The following points must be strictly observed **prior to starting work**:

De-energise the high-voltage system.

Observe safety information for handling hybrid cars.



##### Warning!

##### Danger of injury!

Refrigerant circuit is under high pressure!

Avoid contact with refrigerant and refrigerant oil.

Read and comply with safety information:

- Handling refrigerant
- Handling refrigerant oil



##### Important!

In I01, 2 different country-specific refrigerants and a new refrigerant oil are used.

**Before carrying out repair work on refrigerant circuit, always determine which refrigerant is used in the vehicle!**

Observe notes on refrigerant and refrigerant oil from 09/2013!



##### Important!

##### Risk of damage!

Only switch on air conditioning again once refrigerant circuit has been properly filled.

Read and comply with notes on compressor replacement!

Follow notes for opening and replacing parts in refrigerant circuit.

If Air conditioning is opened for more than 24 h:

Replace condenser for air conditioning.



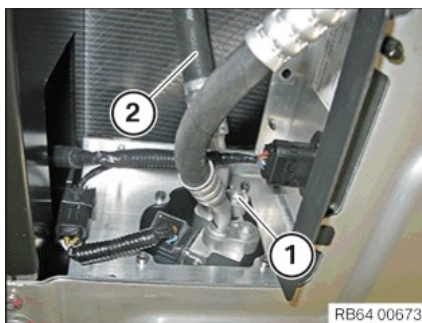
***Necessary preliminary tasks:***

- Drain off air conditioning system
- Remove electric A/C compressor
- Partly remove trim panel for cover on side member, right



**Important!**

Seal openings or lines on compressor with special tool 32 1 270 to prevent escape of media and dirt contamination.



Release screw (1).

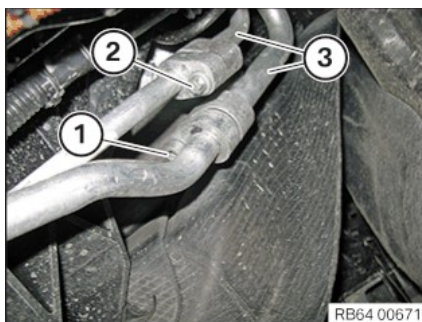
Tightening torque 64 53 6AZ.

Remove refrigerant line (2).

***Installation note:***

Renew sealing rings.

Use special tool 00 9 030 to mount sealing rings without damaging them.



Release screw (1).

Tightening torque 64 53 12AZ.

Release screw (2).

Tightening torque 64 53 13AZ.

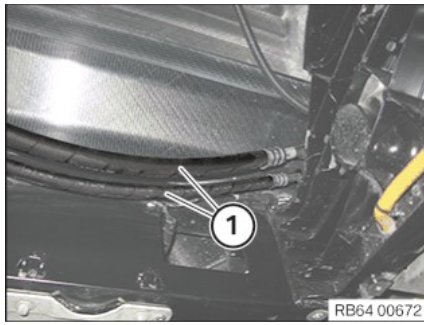
Remove refrigerant lines (3).

***Installation note:***

Renew sealing rings.

Use special tool 00 9 030 to mount sealing rings without damaging them.

Feed out refrigerant lines (1).



After installation:

- Evacuate and fill air conditioning system