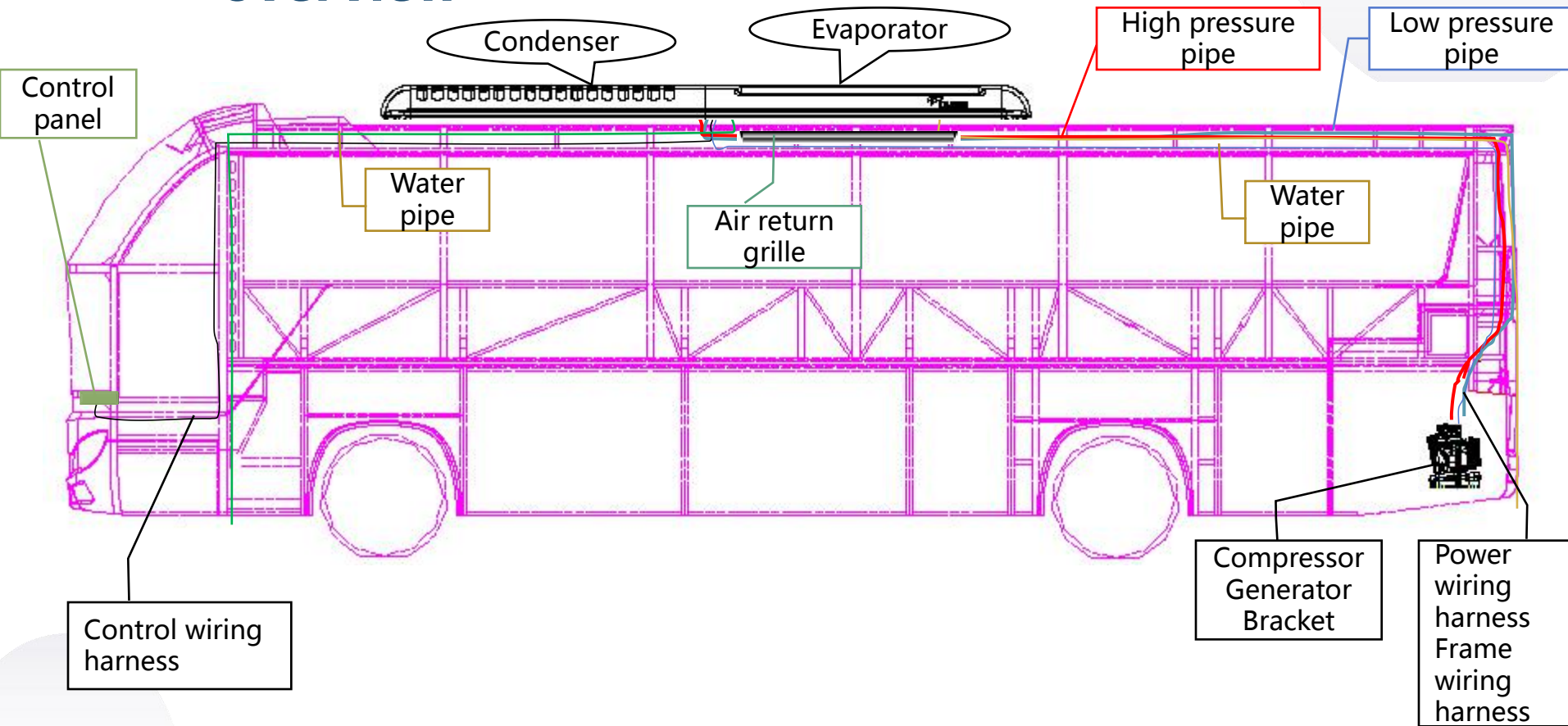
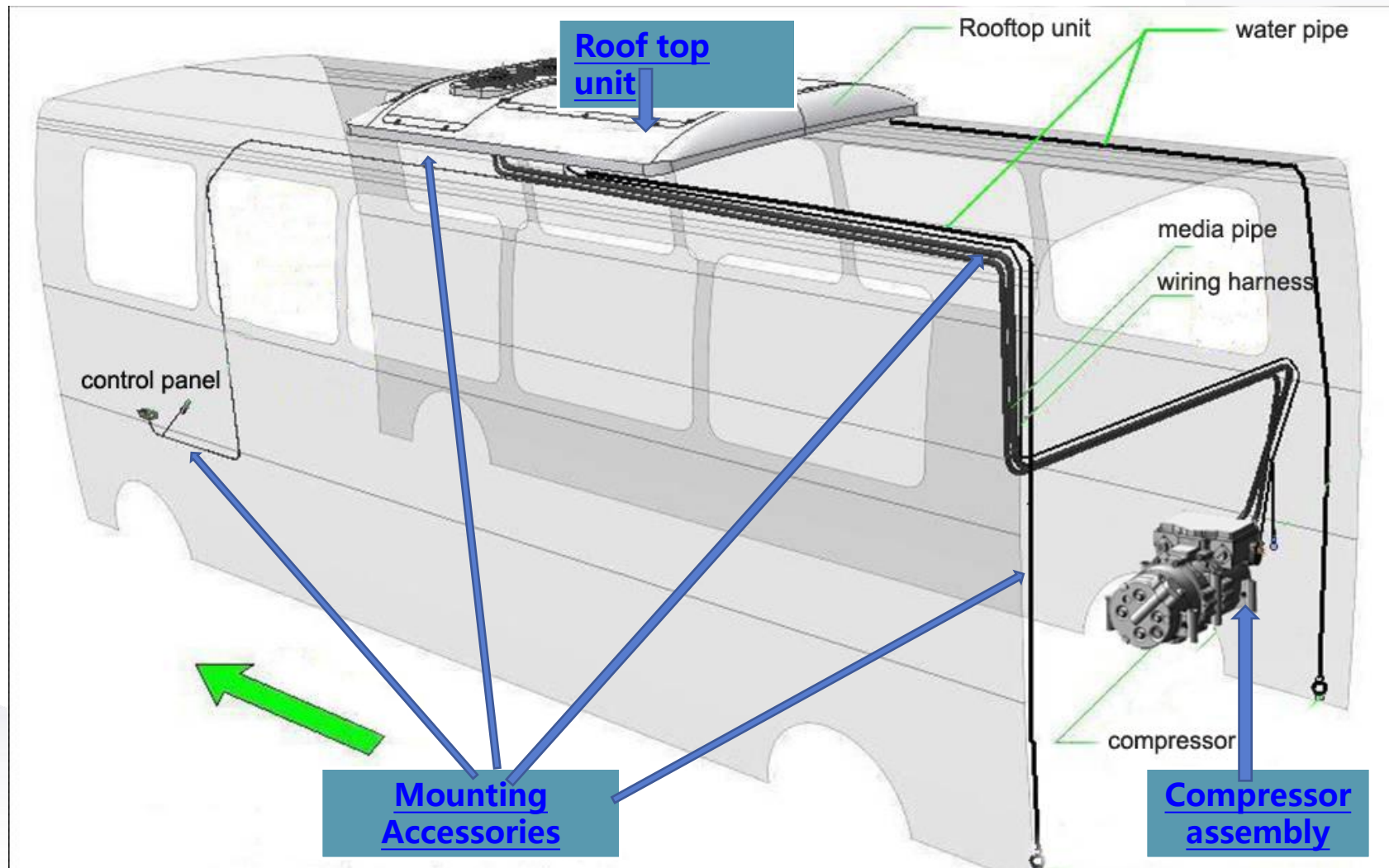


AC Installation Guide

Air conditioning installation process overview





Rooftop unit

Part Role

EVAPORATOR and CONDENSER

Constitute Parts

Condenser ; Evaporator ; Sponge ,
Rubber pad ; Sika glue ; Bolt &
Screw

Main Requirements

1. Installation of air-conditioning firmware is very reliable.
2. The evaporator and the roof link need good seal.



Rooftop unit

The main installation steps

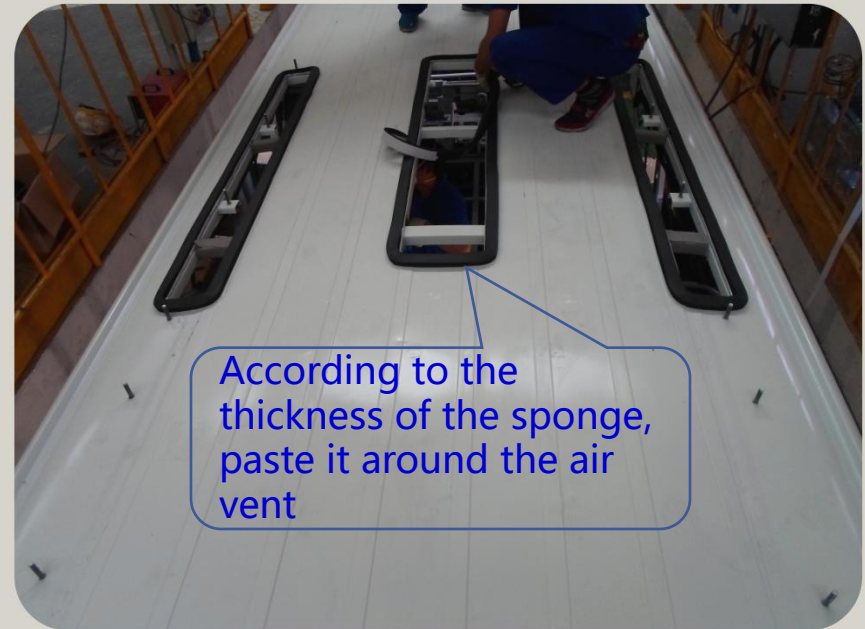
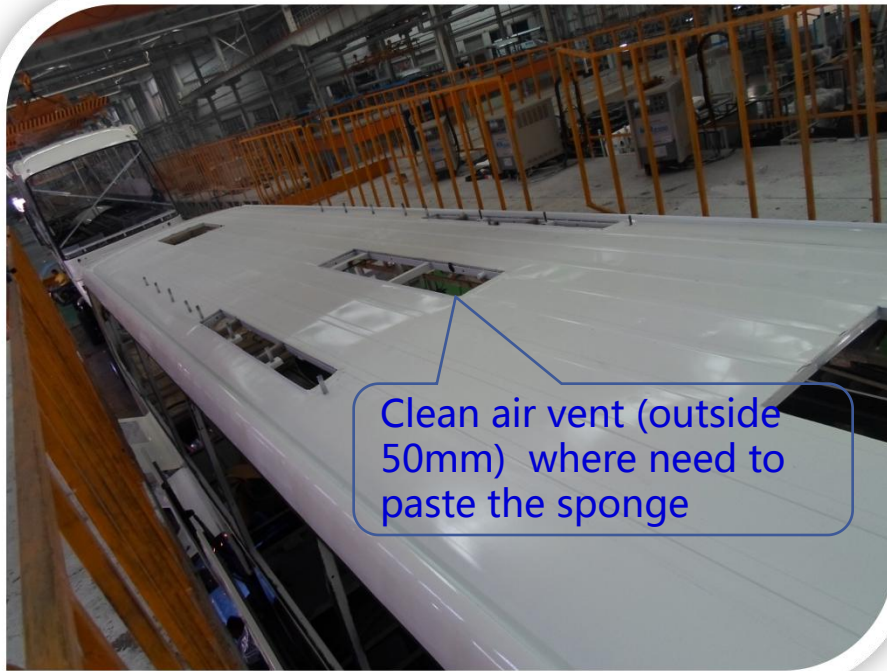
1. Installation of sponge and rubber pad
2. Installation of Evaporator and condenser
3. Installation of cover

Note: All areas of sealing material need to be fully compressed



Rooftop unit

Installation of sponge and rubber pad

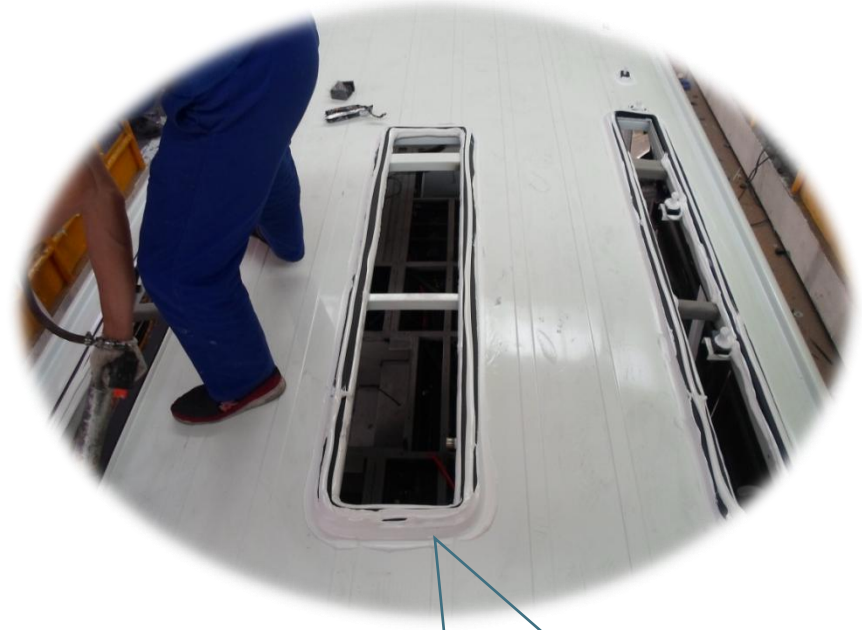


Rooftop unit

Installation of sponge and rubber pad



All sides of sponge,
sealed with Sika glue



Sika glue coating evenly in
the outer sponge

Rooftop unit

Installation of sponge and rubber pad



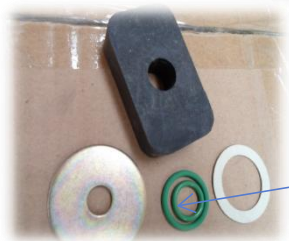
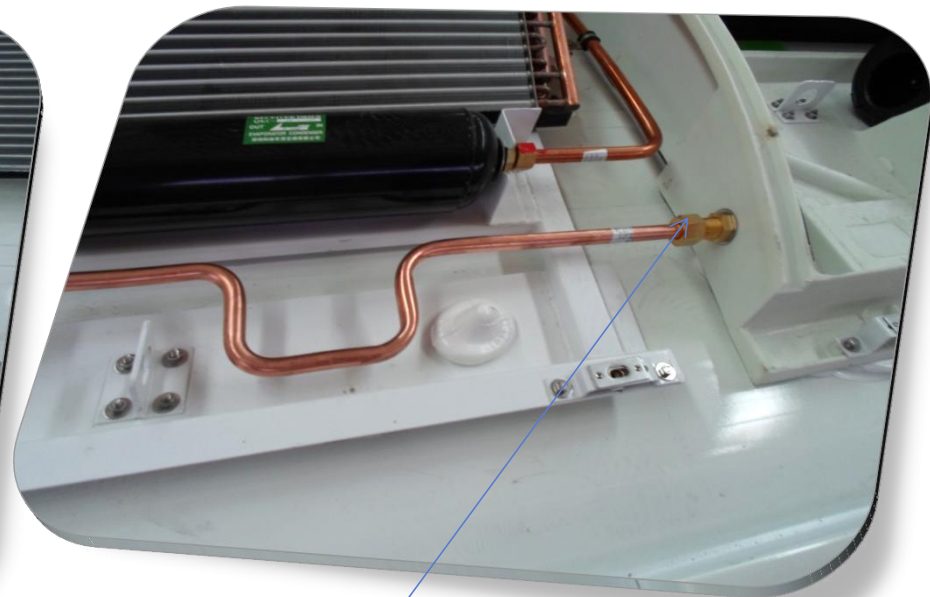
Rooftop unit

Installation of Evaporator and Condenser



Rooftop unit

Installation of Evaporator and Condenser

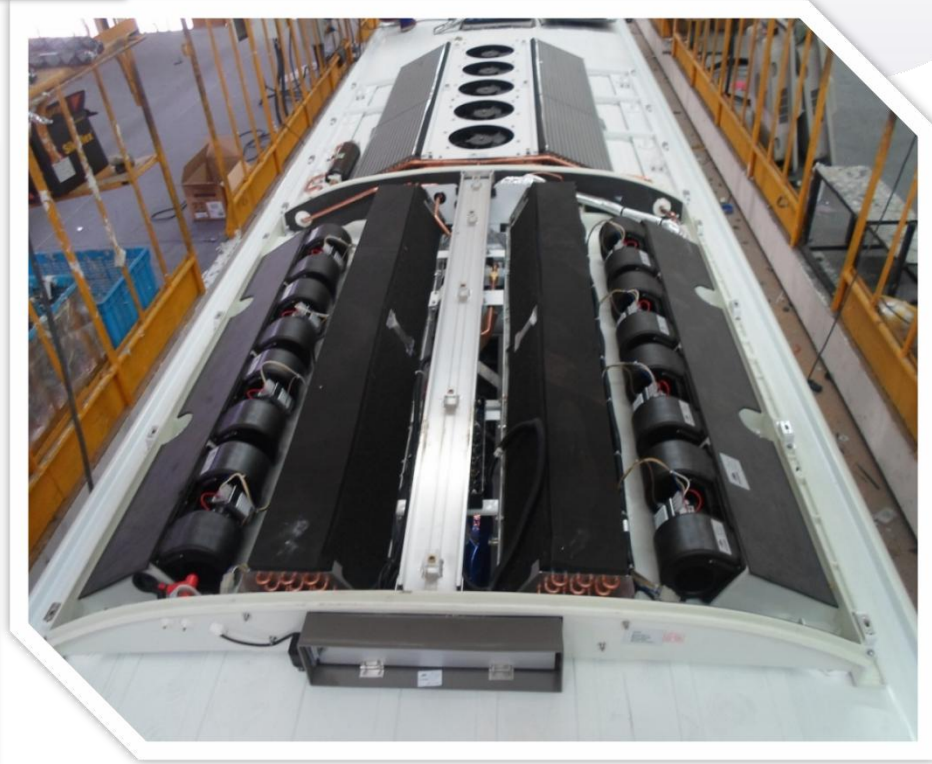


Connected evaporator and condenser tube , pay attention to use O-ring and frozen oil sealed



Rooftop unit

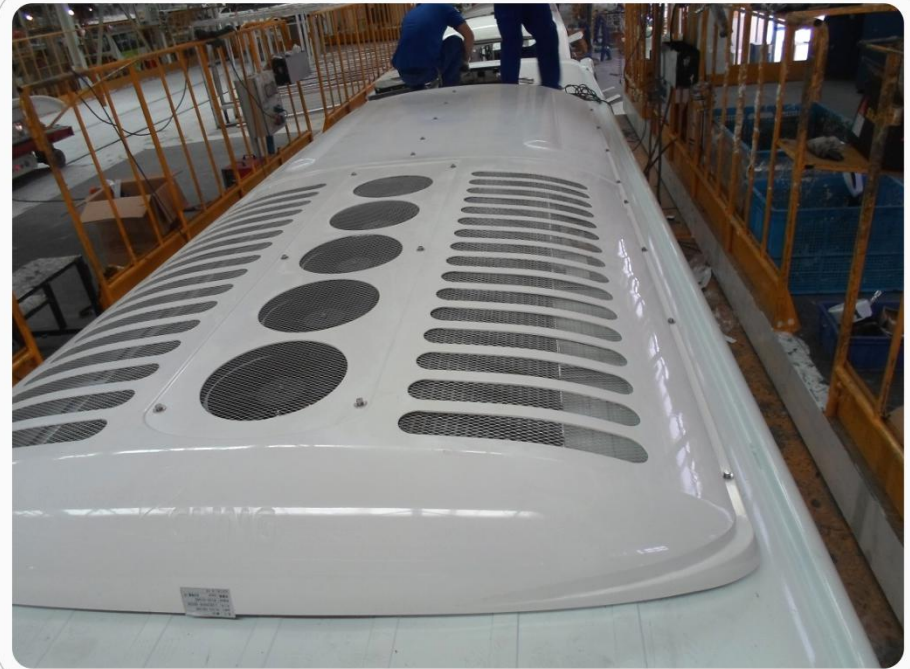
Installation of Evaporator and condenser



After installation, all connected points(bolt hole, wire hole..) of evaporator shell should be good sealed

Rooftop unit

Installation of cover



Compressor assembly

Part Role

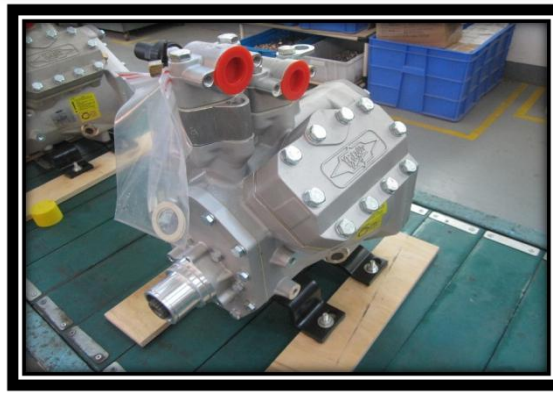
Bus air conditioner system power supply for gas and electricity

Constitute parts

Compressor , Bracket , DC Generator , Clutch

Main requirements

- 1.Installation of mounting parts firmware is very reliable
- 2.The installation parts should be accurate

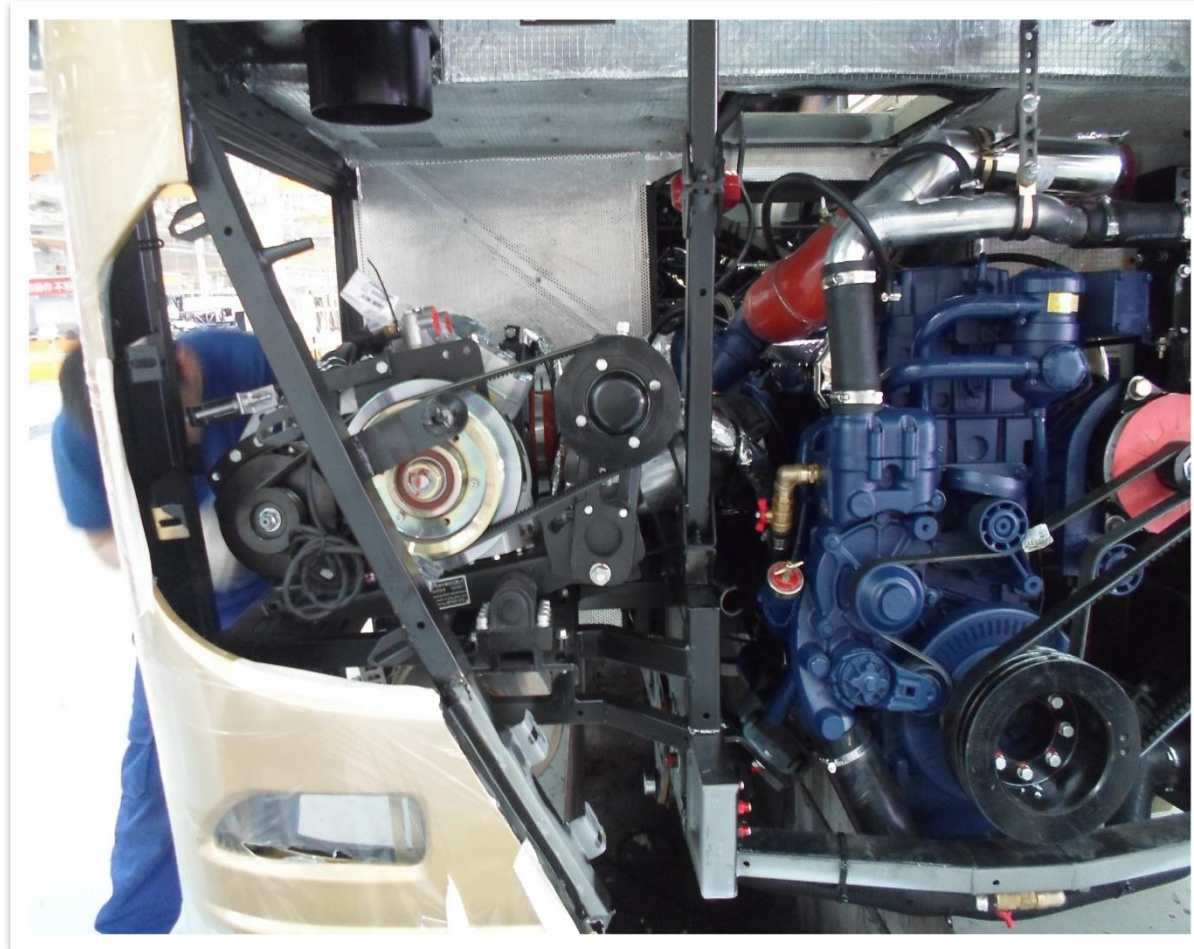


Compressor assembly

The main installation steps

1. The compressor and generator assembly
2. Fixed and adjust the balance
3. Check whether the interference

Note:
The two pulley connected by the belt should be in the same horizontal plane!



Compressor assembly

The compressor and generator assembly

Install the compressor and generator at scheduled position of bracket

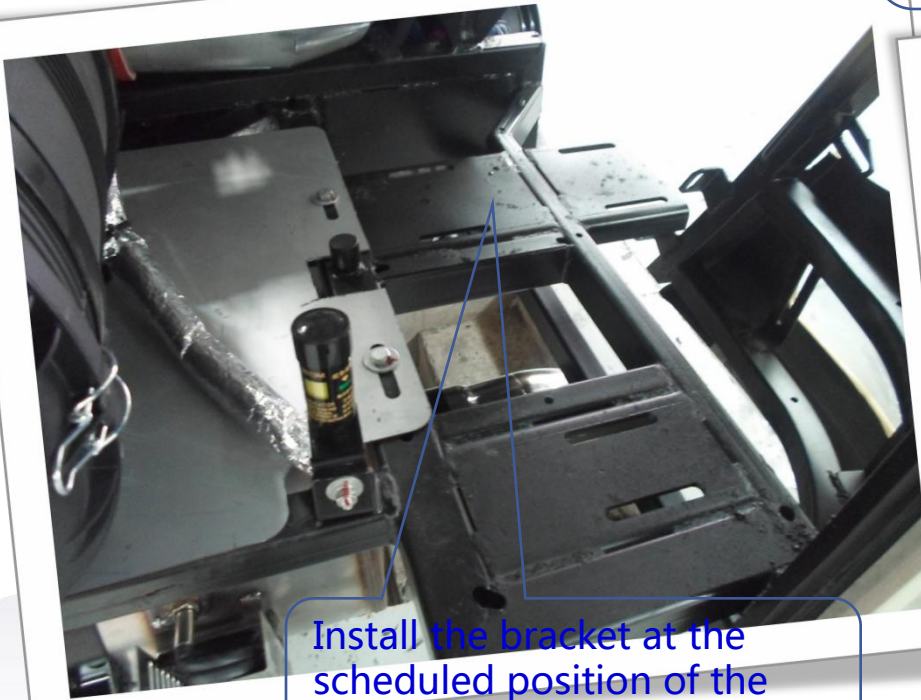


Use tension components to tension the generator and belt



Compressor assembly

Fixed and leveling of Assembly



Install the bracket at the scheduled position of the chassis

Connected the compressor assembly to the crank pulley with belt

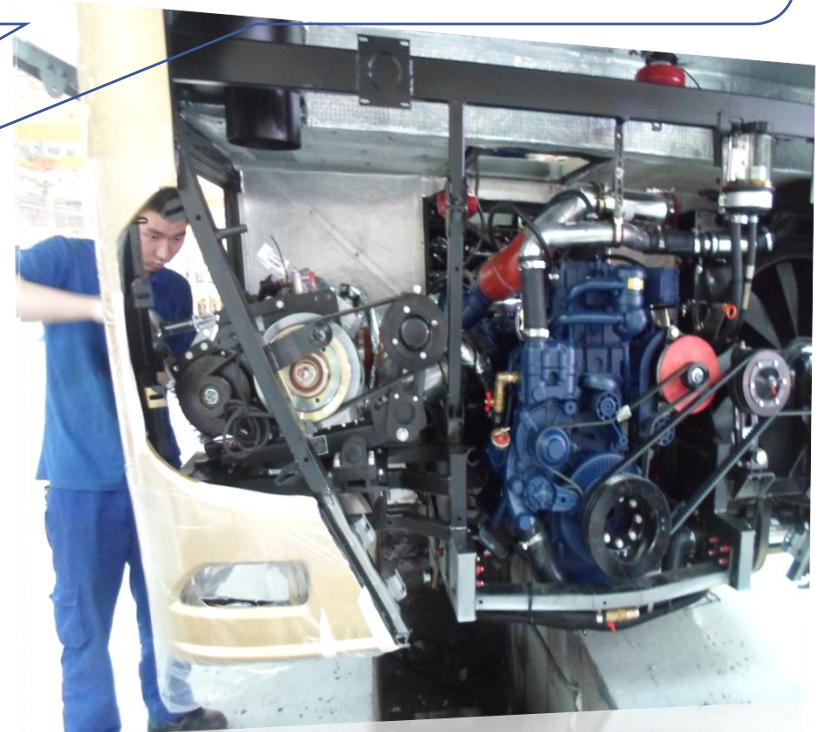


Adjust the transition pulley or the bracket spring to tension the belt

Compressor assembly

Check whether the interference

At last, check whether the compressor, the generator and the surrounding components interfere each other and installation properly.



[Back button](#)

Mounting Accessories

Part Role

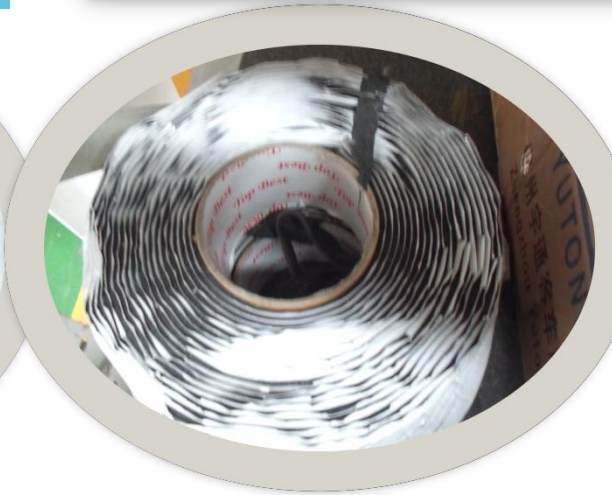
Connected the rooftop unit to compressor

Constitute parts

Wiring harness , pipe , air return grille , clamp, control panel

Main requirements

- 1.Installation of mounting parts firmware is very reliable
- 2.Pipeline connection to be fully sealed, wiring harness connection should be fully reliable



Mounting Accessories

The main installation steps

1. Installation of wiring harness
2. Installation of refrigerant pipe
3. Installation of other mounting accessories

Note:

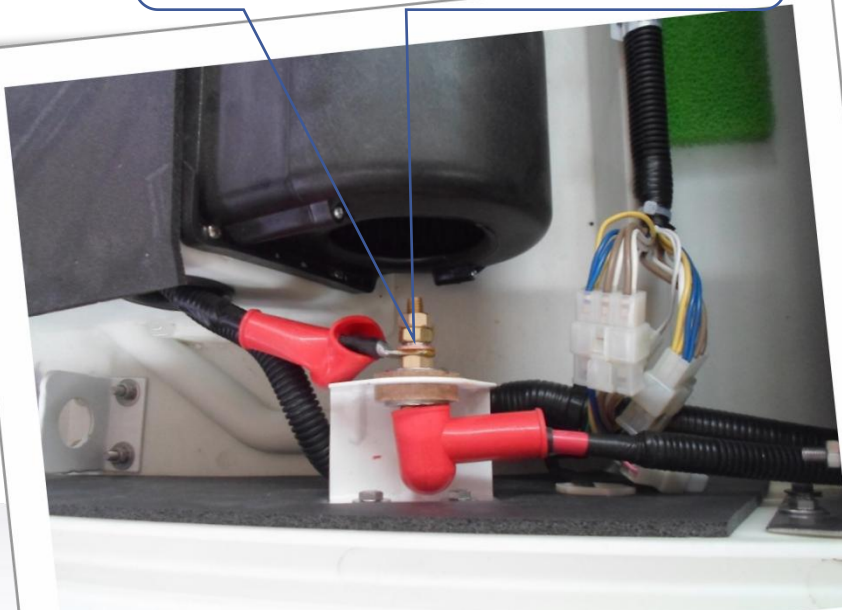
1. O ring and asbestos gasket should be covered by refrigerate oil before installation; 2. Low pressure piping with metal parts need to be packaged by insulation cement, so as to prevent condensate



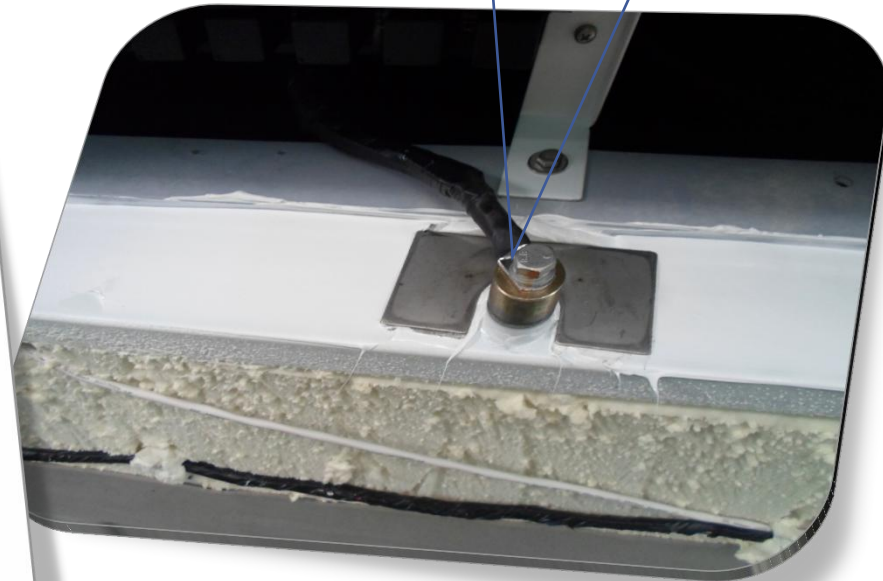
Mounting Accessories

Installation of wiring harness

Connect the power wiring harness to the binding post



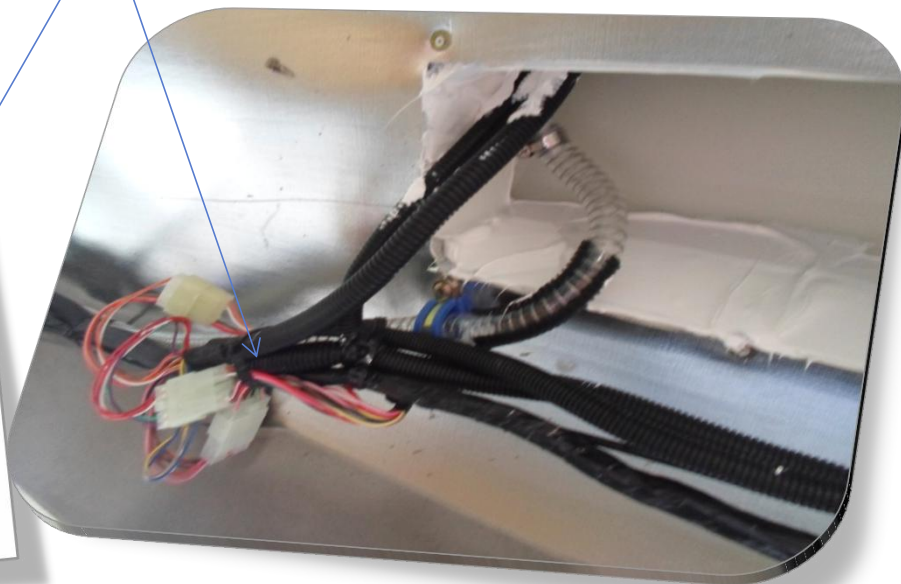
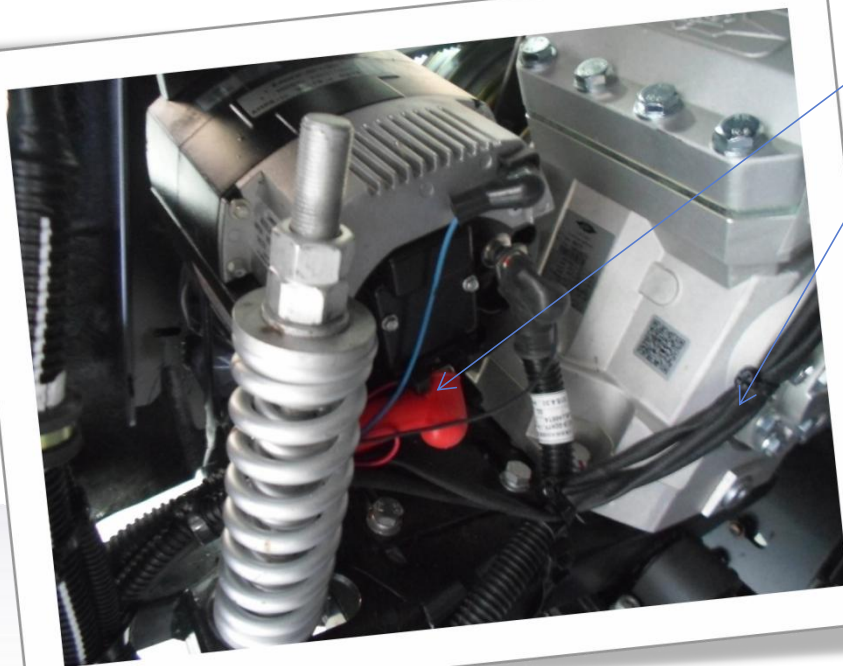
Ground wiring harness is connected to the bolt



Mounting Accessories

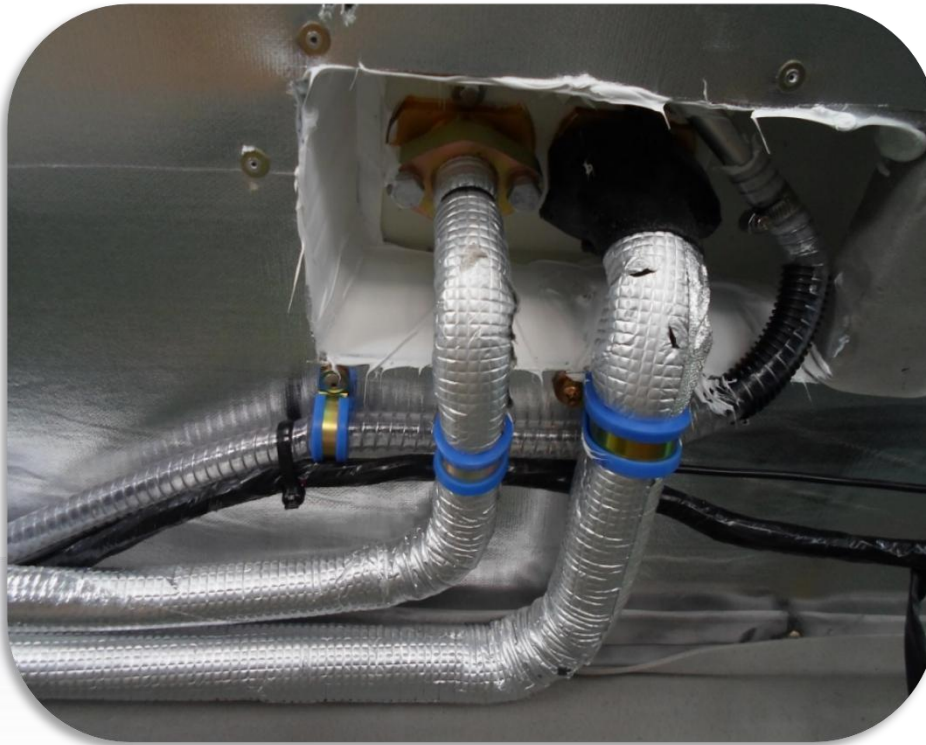
Installation of wiring harness

Connect the generator, compressor, and rooftop unit with wiring harness



Mounting Accessories

Installation of refrigerant pipe



Mounting Accessories

Installation of refrigerant pipe



Installation of other mounting accessories

