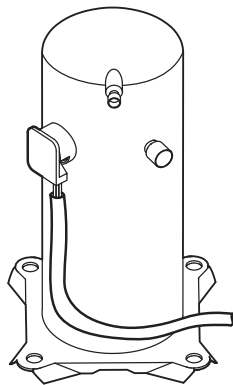


Compressor Installation Manual

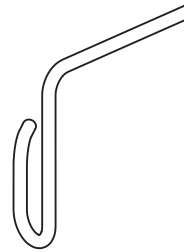
484007-5760



Compressor (1)



Pipe 1 (1)



Pipe 2 (1)



Insulator (3)



Collar (4)



Cushion (4)



Tie Wrap (5)

Model Name	Climate Pro K63e
Compressor Part No.	484650-3720

If the parts appear to be damaged or missing, contact your MovinCool dealer.

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SAFETY PRECAUTIONS



Refrigerant
Safety Group
A2L

Risk of Fire. Contains Flammable Refrigerant.
Be aware that refrigerants may not contain an odor.
All safety precautions must be followed.

WARNING

- Installation and electrical work must be performed by qualified personnel. Incorrect installation may cause fire, electric shock, injury, malfunction or water leaks.
- Disconnect power before installation. Beware that some residual voltage may remain in the unit after the power is disconnected. There is a risk of electric shock.

When handling refrigerant, the following precautions should always be observed. Failure to do so may cause an explosion, fire, loss of vision, a lack of oxygen, burns, injury or unit malfunction.

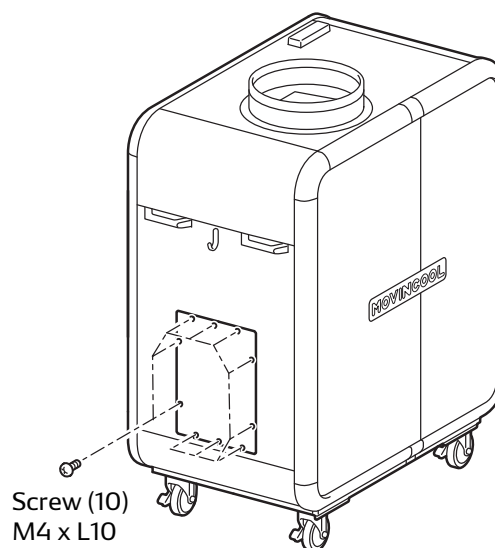
- Refrigerant services must be performed only by A2L refrigerant certified professionals.
- Always wear proper eye protection and gloves while handling refrigerant.
- Avoid working near flammable materials including smoking.
- Work in a well-ventilated area only.
- Use a R32 refrigerant detector to check for refrigerant leaks before and during work.
- Provide a fire extinguisher near the workspace.
- Do not mix different types of refrigerants when charging.
- Maintain the temperature of the refrigerant container below 104 °F (40 °C).
- Be careful not to allow refrigerant to contact eyes or skin.

To avoid burns, lack of oxygen or unit malfunction:

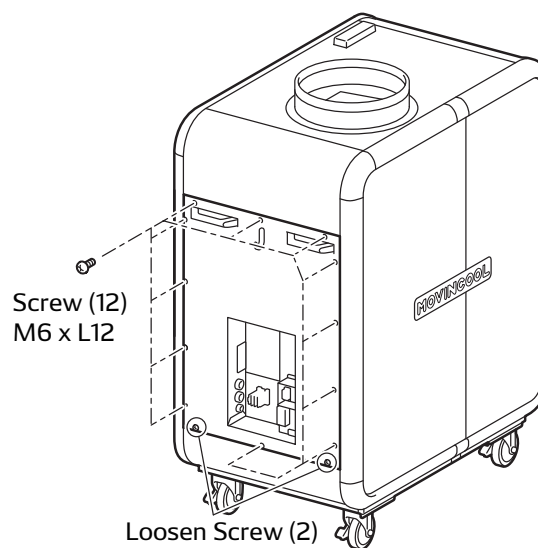
- Brazing must be performed only by A2L refrigerant certified professionals.
- Before brazing, ensure that all refrigerant in the system has been recovered.
- When brazing, always wear eye protection and gloves.

REMOVAL OF PANELS

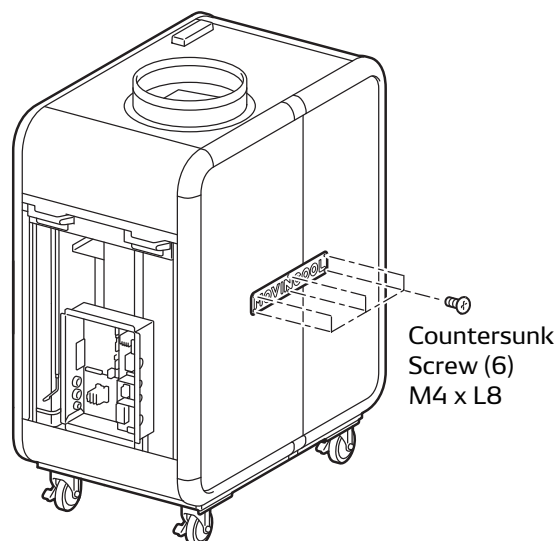
1. Remove the ten (10) M4 x L10 screws and remove the service panel.



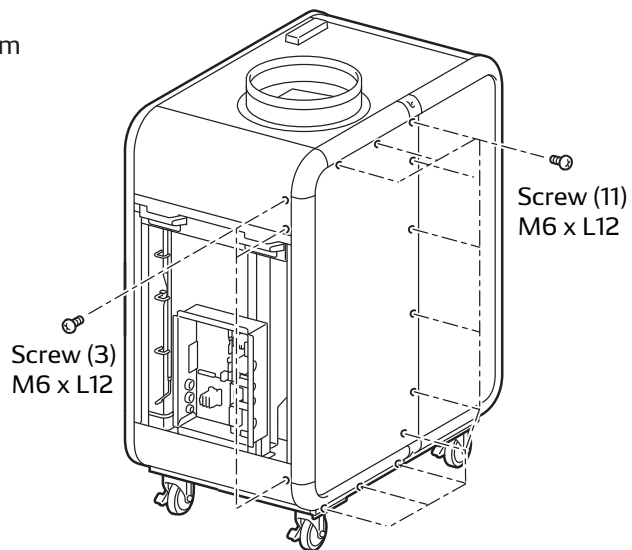
2. Loosen the bottom two (2) screws and remove the other twelve (12) M6 x L12 screws and remove the rear panel.



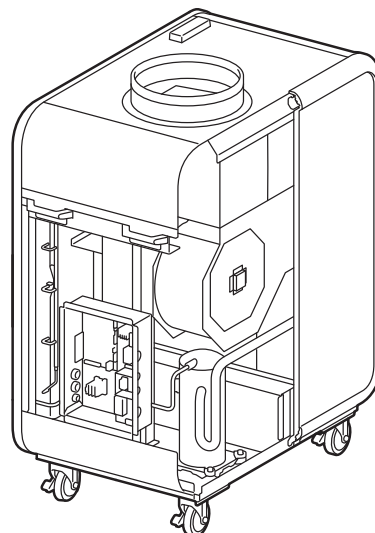
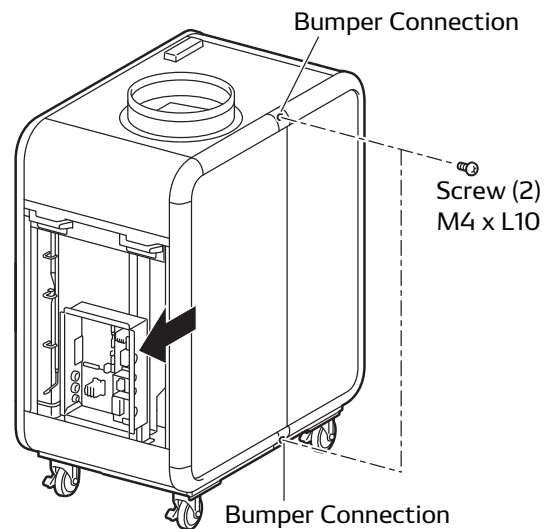
3. Remove the six (6) M4 x L8 countersunk screws and remove the logo panel.



4. Remove the eleven (11) M6 x L12 screws from the side and the three (3) M6 x L12 screws from the rear.

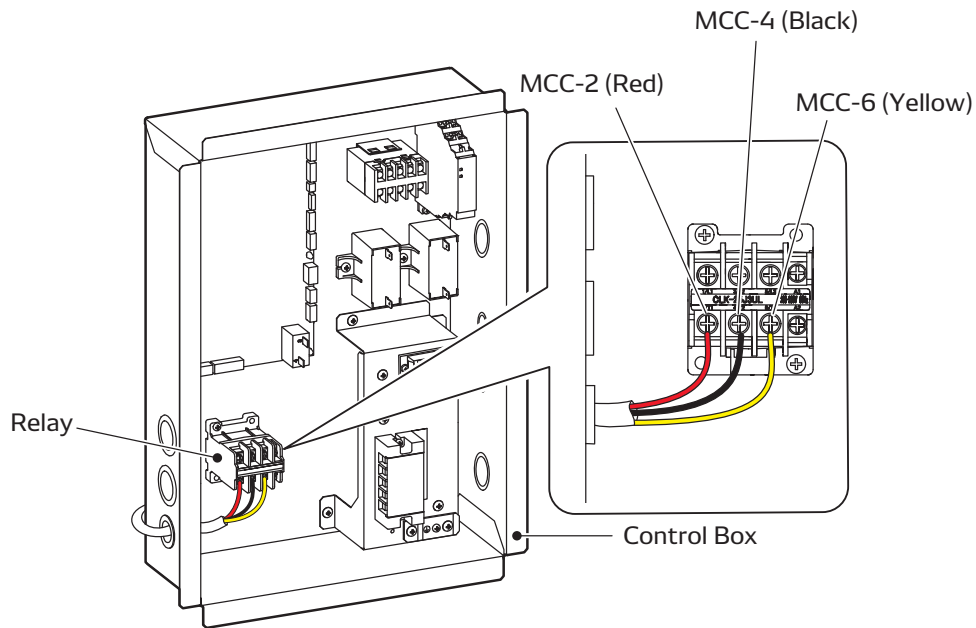


5. Remove the two (2) M4 x L10 screws from the bumper connections and remove one half of the logo side panel.



REMOVAL OF CURRENT COMPRESSOR

1. Disconnect the compressor wires from connection MCC-2 (Red), MCC-4 (Black), and MCC-6 (Yellow) from the relay in the control box.

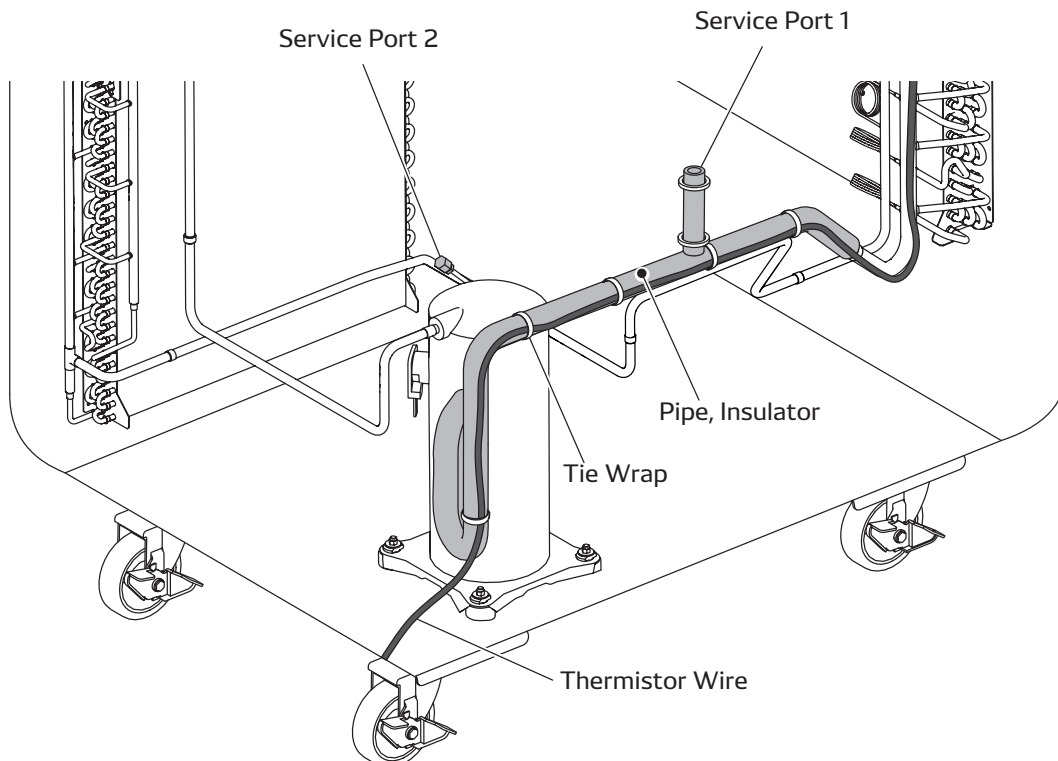


2. Remove the tie wraps and release the thermistor wire. Remove the insulator from the pipe.

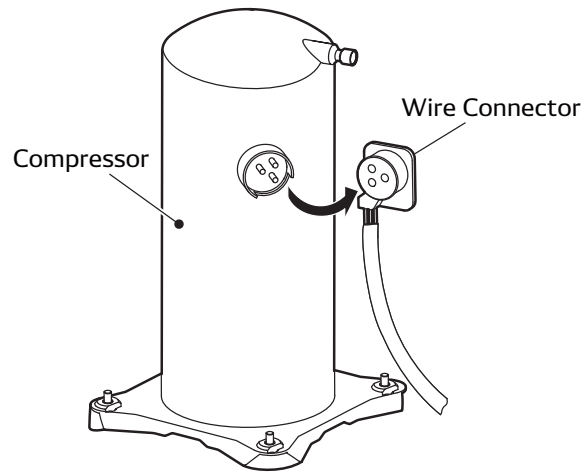
Next recover the refrigerant by using Service Port 1 (low pressure side) and Service Port 2 (high pressure side) as shown.

Note:

- The torque of service port nuts is 13.7 ± 2.2 ft·lbf (18.6 ± 3.0 N·m).



3. Disconnect the wire connector from the compressor.



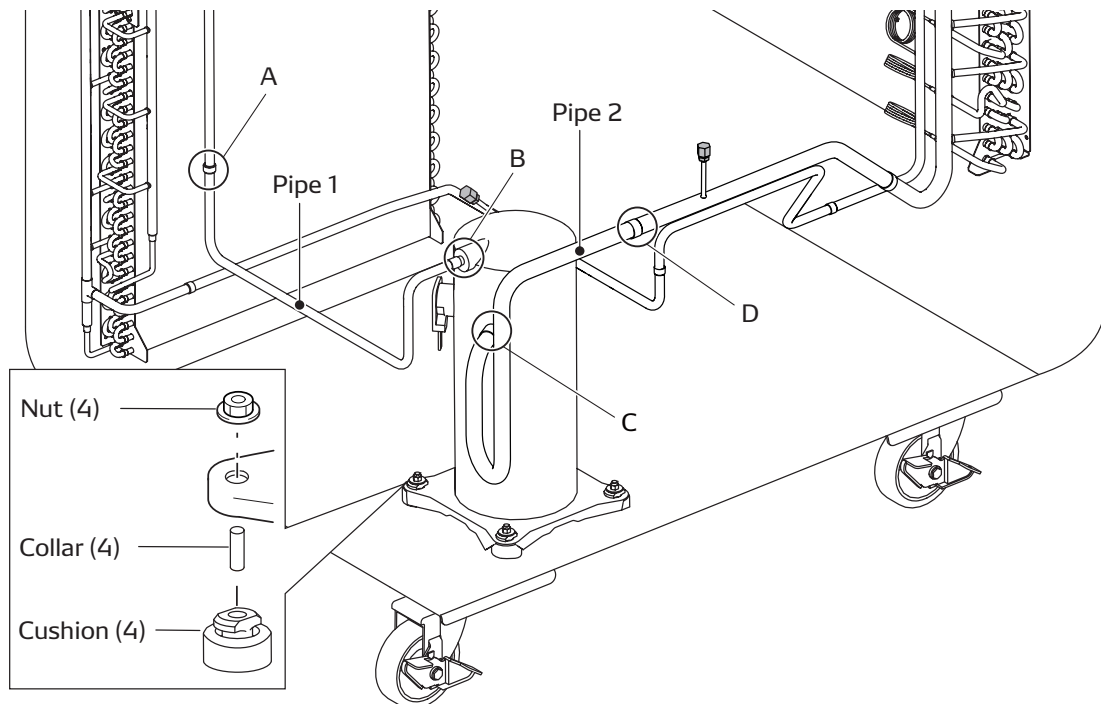
WARNING

Removal and installation of the compressor requires two people as the compressor weighs approximately 73 lbs (33 kg). Great care should be taken during removal and installation so as to avoid personal injury or unit damage.

4. Braze at points A and B, then remove pipe 1. Braze at points C and D, then remove pipe 2. Remove the four (4) nuts, four (4) collars and the four (4) cushions, and then remove the compressor.

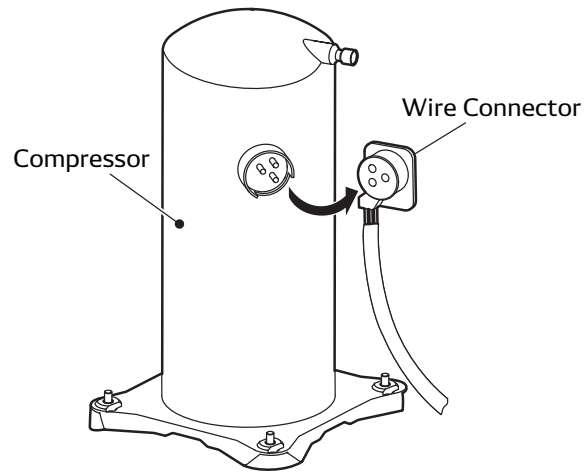
Note:

- The four (4) nuts will be required for installing the new compressor.

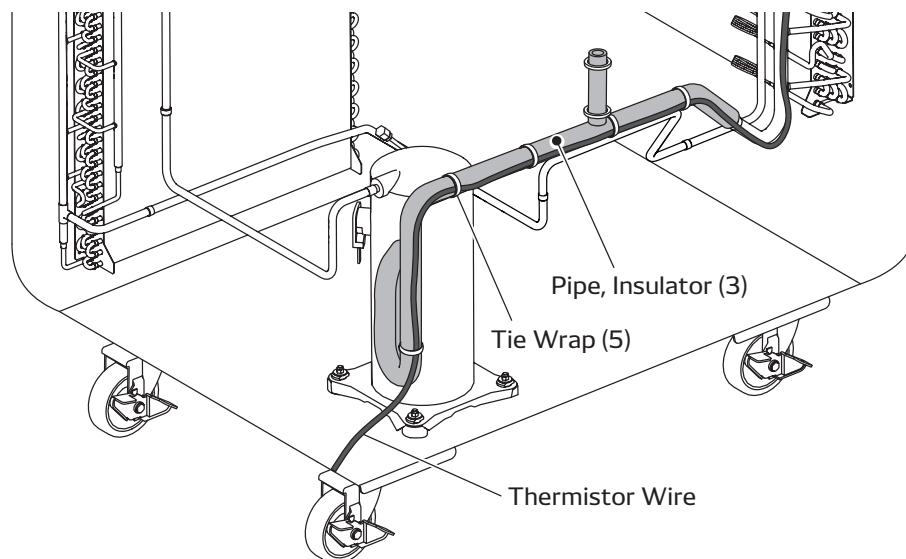


INSTALLATION OF NEW COMPRESSOR

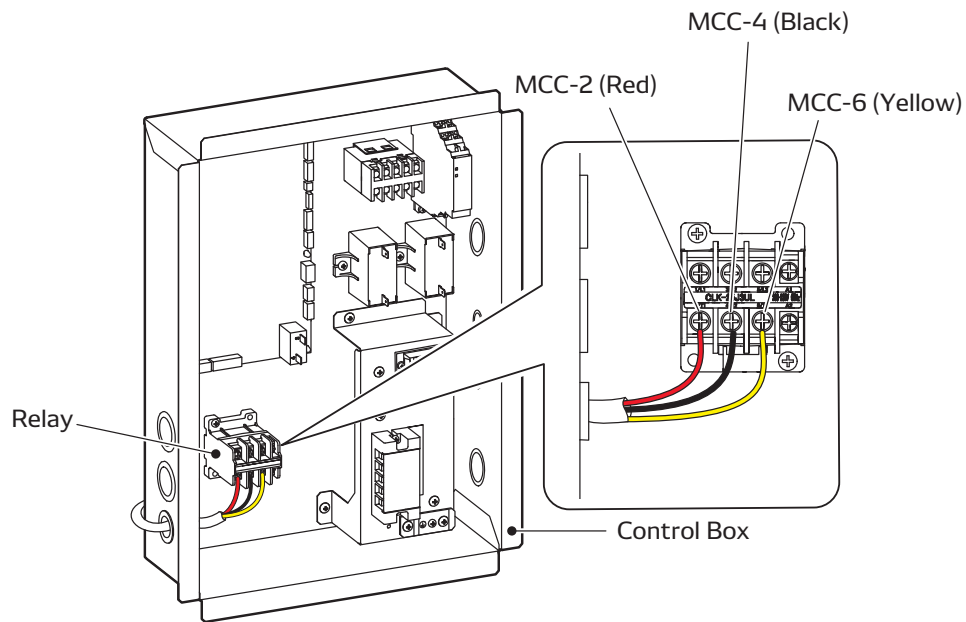
1. Install the four (4) cushions and four (4) collars on the bolts and mount the compressor in the unit. Insert the four (4) nuts, which were removed in procedure 4 on page 6, and fasten at the torque of 8.3 ± 2.1 ft·lbf (11.3 ± 2.9 N·m).
2. Disconnect the wire connector to the new compressor.



3. Braze the supplied pipe 1 at points A and B, then braze the supplied pipe 2 at points C and D. Refer to the diagram on page 6.
4. Reconnect the wire connector to the compressor. Make sure that the connector is firmly attached.
5. Vacuum and charge R32 refrigerant. The amount of refrigerant is 3.22 lb (1.46 kg).
6. 1) Attach the three (3) supplied insulators to the pipe as shown.
2) Reattach the thermistor wire along the pipe, and then fasten with the five (5) supplied tie wraps.



7. Connect the compressor wires to connection MCC-2 (Red), MCC-4 (Black), and MCC-6 (Yellow) on the relay in the control box.



WARNING

To avoid fire, electric shock or malfunction:

- Make sure all connections are to the correct terminals.
- After connecting the terminals, make sure that they are firmly attached.

8. Reinstall the half of the logo side panel, logo panel, rear panel, and service panel.