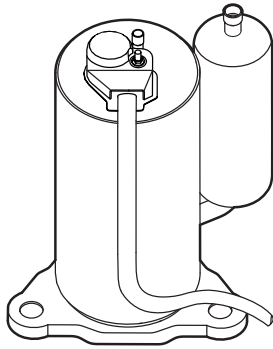
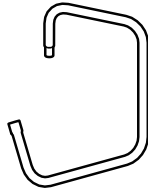


Compressor Installation Manual

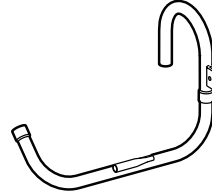
484007-5800



Compressor (1)



Pipe 1 (1)



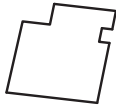
Pipe 2 (1)



Cushion (3)



Packing A (1)
for Accumulator



Packing B (1)
for Accumulator



Packing C (1)
for Thermistor



Packing D (2)
for Ground Wire 1 & 2



Insulator A (1)
for Pipe 2



Insulator B (1)
for Pipe 3



Tie Wrap A (2)
for Accumulator



Tie Wrap B (1)
for Thermistor

Model Name	Climate Pro D18e
Compressor Kit Part No.	484650-3760

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.

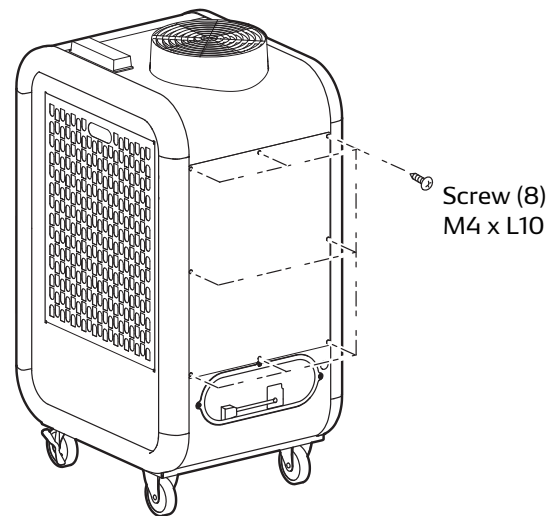
- Refrigerant services must be performed only by A2L refrigerant certified professionals.
- Always wear proper eye protection and gloves while handling refrigerant.
- Avoid working near flammable materials including smoking.
- Work in a well-ventilated area only.
- Use a R32 refrigerant detector to check 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:

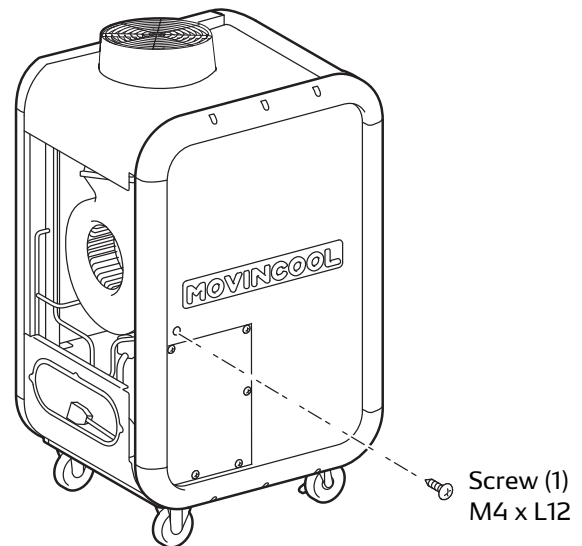
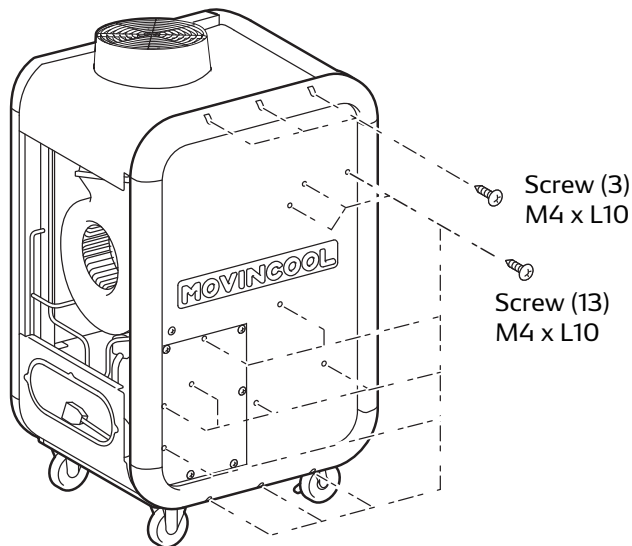
- Brazing must be performed only by A2L refrigerant certified professionals.
- Before brazing, ensure that all refrigerant in the system has been recovered.
- When brazing, always wear eye protection and gloves.

REMOVAL OF PANELS

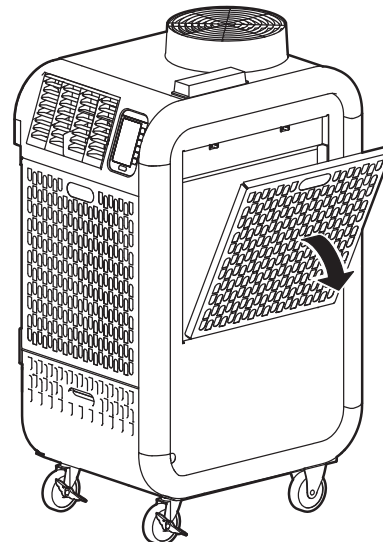
1. Remove the eight (8) screws and then remove the upper rear panel.



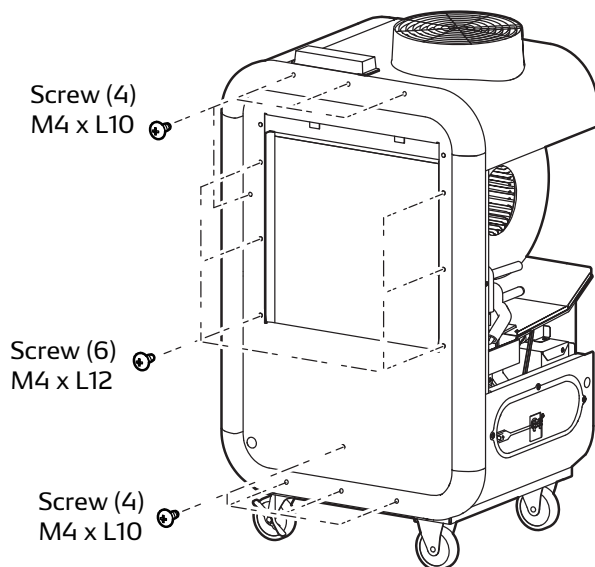
2. Remove the sixteen (16) M4 x L10 screws, and one (1) M4 x L12 screw. Next remove the logo side panel.



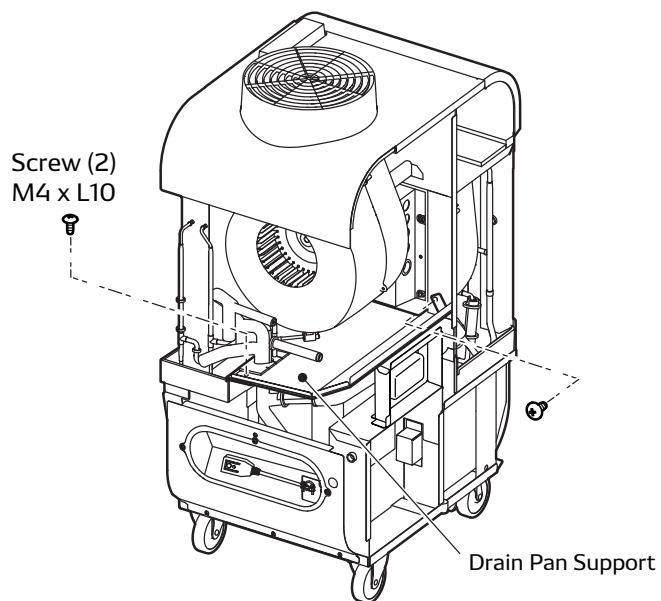
3. Remove the side filter panel.



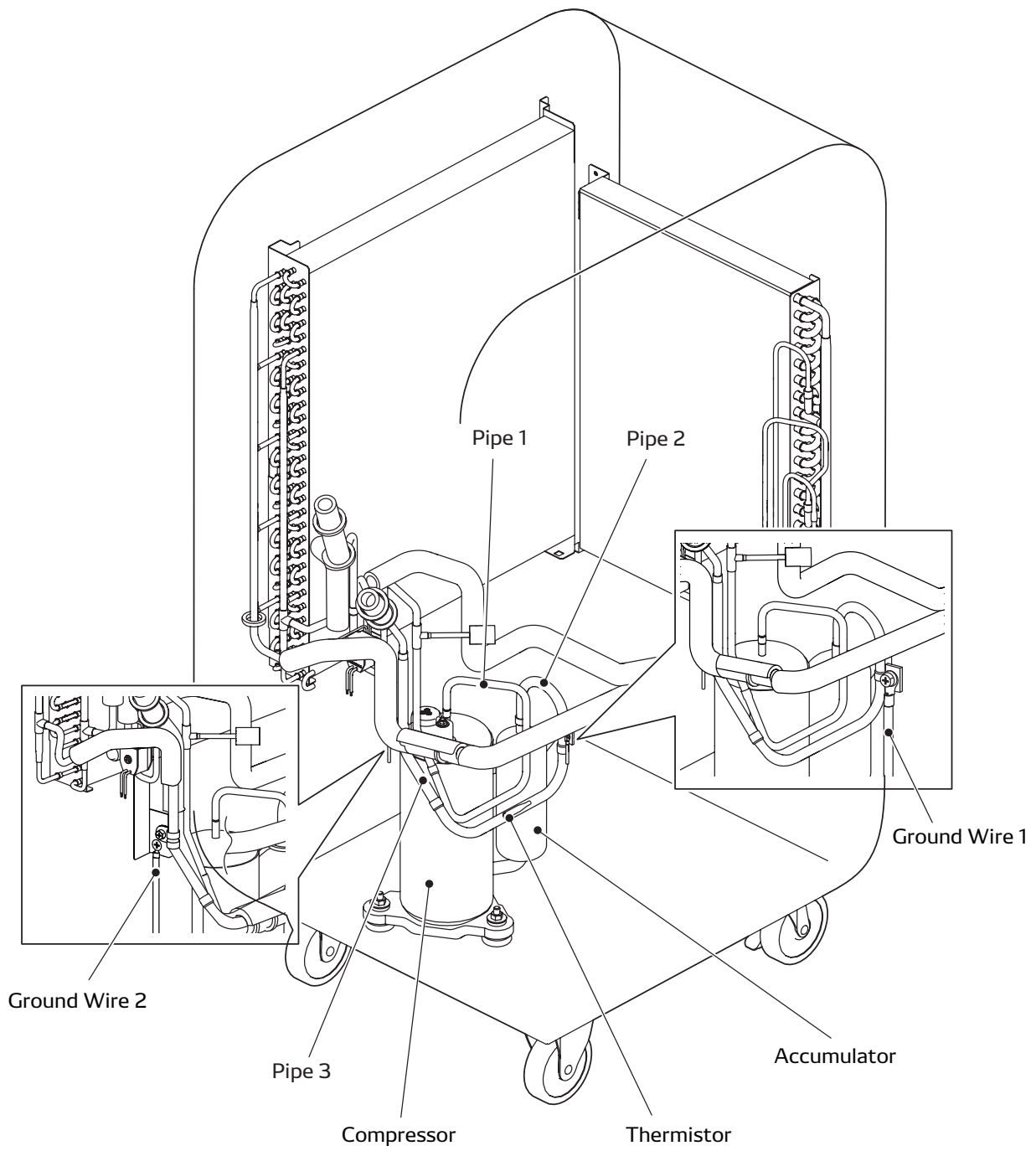
4. Remove the eight (8) M4 x L10 screws and six (6) M4 x L12 screws, and then remove the side panel.



5. Remove the two (2) M4 x L10 screws and then remove the drain pan support.

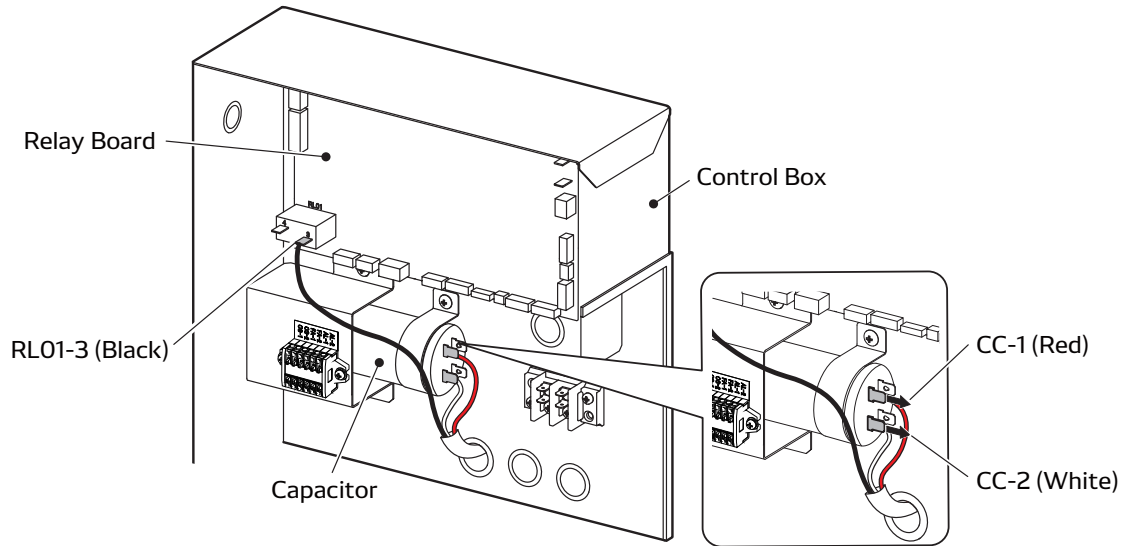


NAME OF REFRIGERANT PARTS



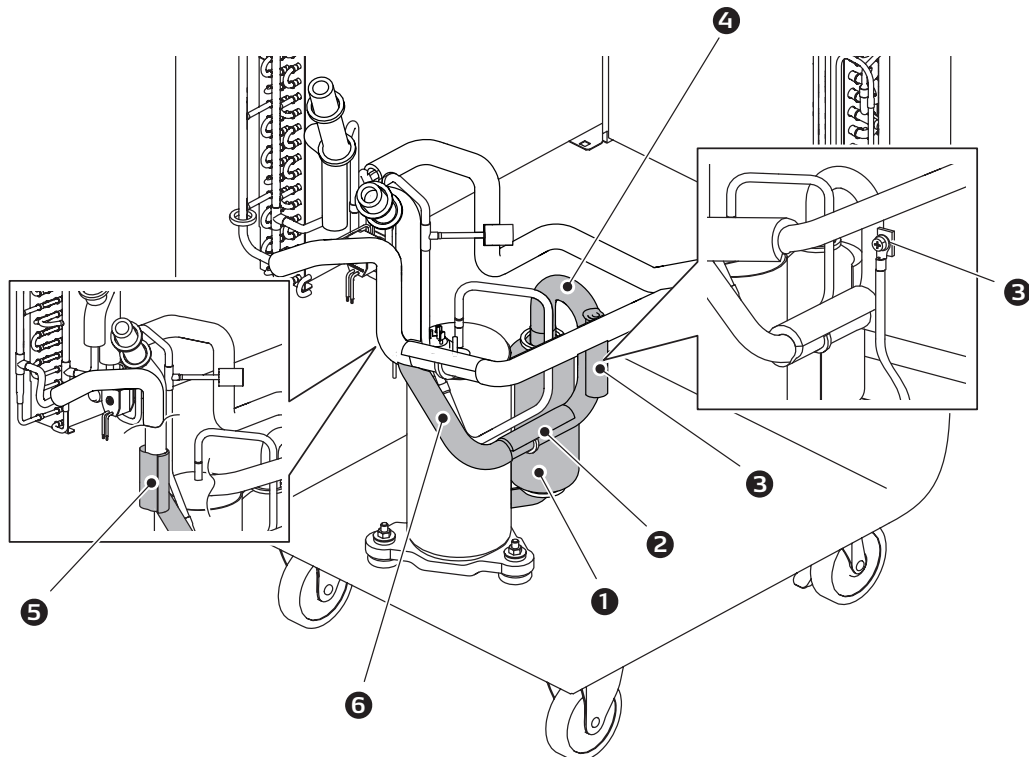
REMOVAL OF CURRENT COMPRESSOR

1. Disconnect the three (3) Faston terminals from connection RL01-03 (Black) on the relay board, and CC-1 (Red) and CC-2 (White) from the capacitor in the control box.



2. Remove the following parts:

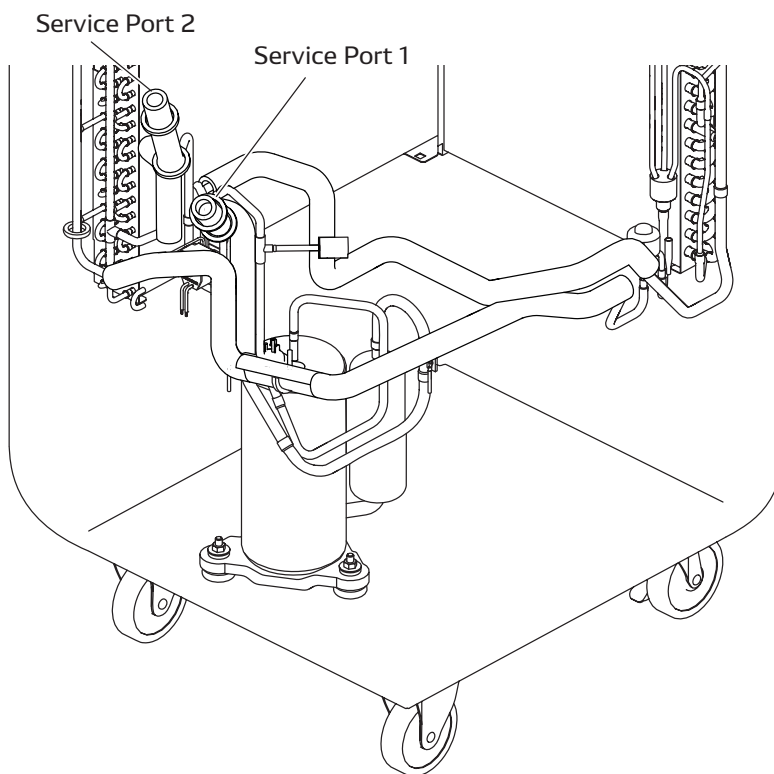
- ❶ The packing from the accumulator
- ❷ The packing from the thermistor, and then the thermistor
- ❸ The packing from the ground wire 1, and then the ground wire 1 by removing the bolt
- ❹ The insulator from the pipe 2
- ❺ The packing from the ground wire 2
- ❻ The packing from the pipe 3



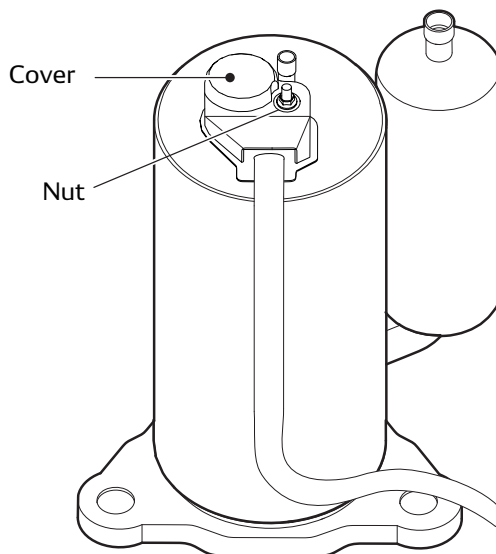
3. Recover the refrigerant by using Service Port 1 (low pressure side) and Service Port 2 (high pressure side) as shown.

Note:

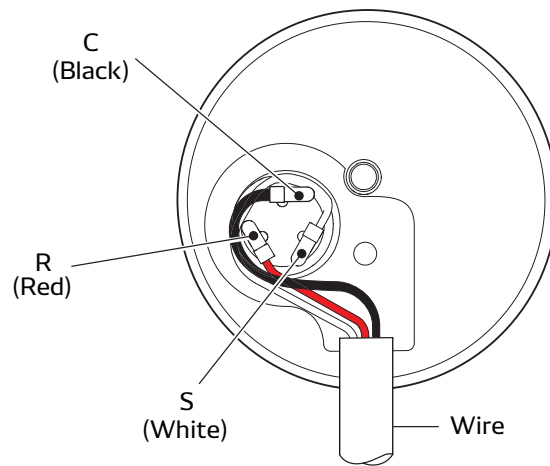
- The torque of service port nuts is 13.7 ± 2.2 ft·lbf (18.6 ± 3.0 N·m).



4. Remove the nut and remove the cover from the current compressor.



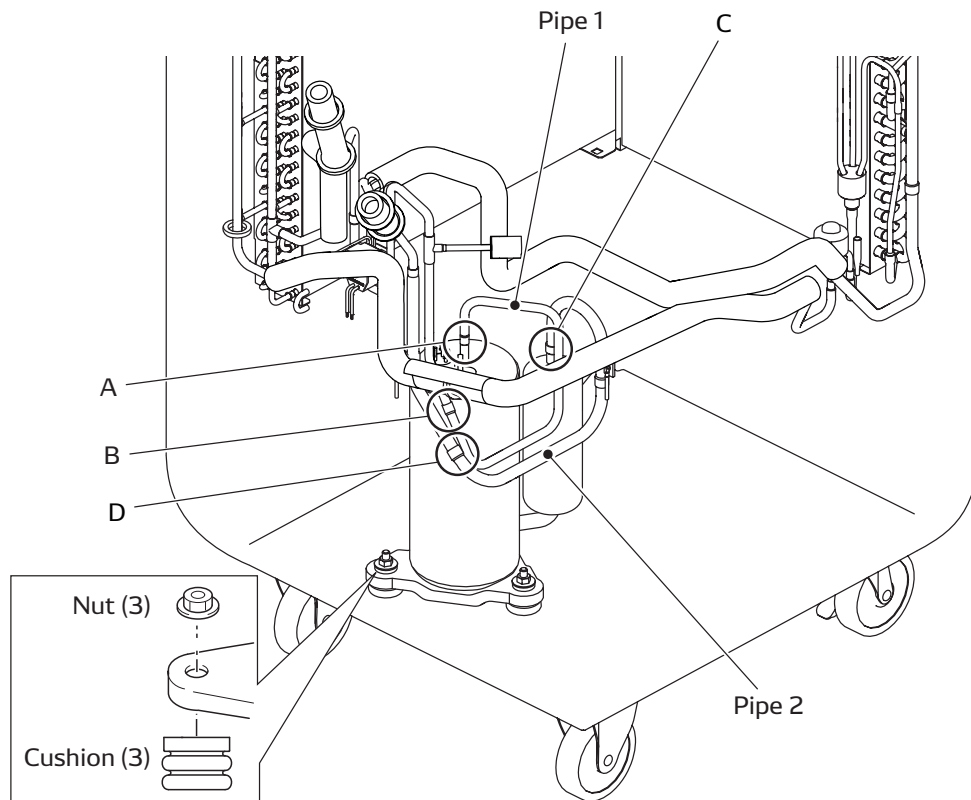
5. Disconnect the Faston terminals: C (Black), R (Red) and S (White) as shown.



6. Braze at points A and B, then remove pipe 1. Braze at points C and D, then remove pipe 2. Remove the three (3) nuts and the three (3) cushions, and then remove the compressor.

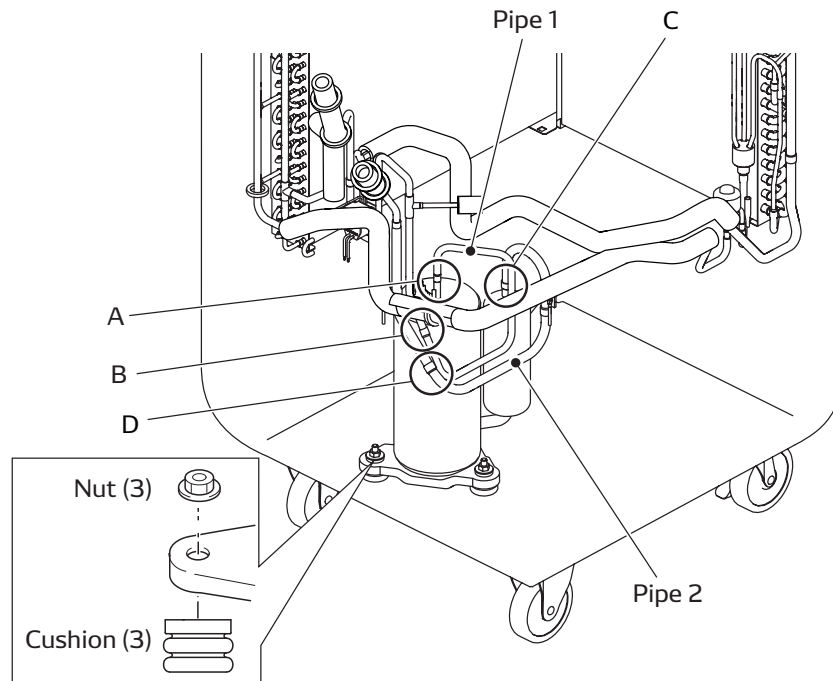
Note:

- The three (3) nuts will be required for installing the new compressor.
- Be careful not to damage the thermistor wire during brazing.

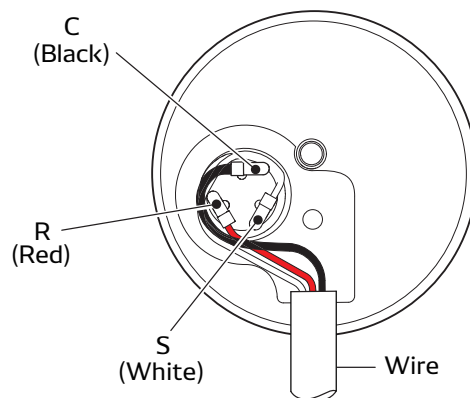


INSTALLATION OF NEW COMPRESSOR

1. Remove the nut and remove the cover from the new compressor. See procedure 4 on page 7.
2. Disconnect the Faston terminals: C (Black), R (Red) and S (White), and then remove the wire. See procedure 5 on page 8.
3. Install the three (3) cushions on the bolts and mount the compressor in the unit. Insert the three (3) nuts, which were removed in procedure 6 on page 8, at the torque of 8.3 ± 2.1 ft·lbf (11.3 ± 2.9 N·m).
4. Braze the supplied pipe 1 at points A and B, then braze the supplied pipe 2 at points C and D.



5. Reconnect the Faston terminals: C (Black), R (Red) and S (White) on the compressor. Reinstall the cover with the nut at the torque of 1.27 ± 0.18 ft·lbf (1.72 ± 0.25 N·m).



WARNING

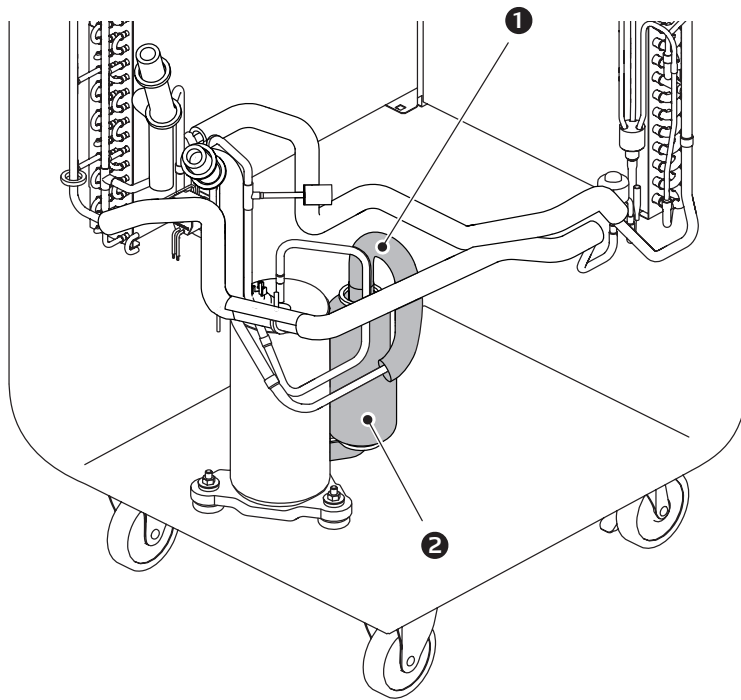
To avoid fire, electric shock or malfunction:

- Make sure all connections are to the correct terminals.
- Insert the terminals straight down, not at an angle.
- After connecting the terminals, make sure that they are firmly attached.

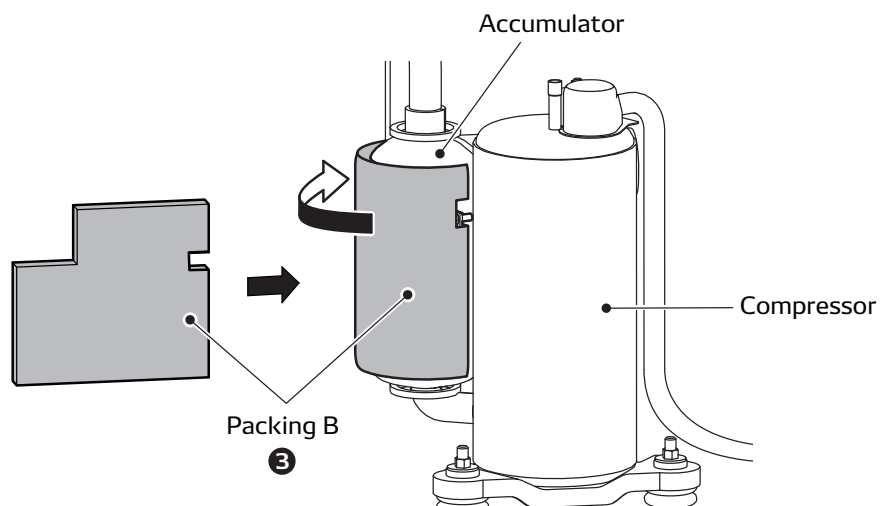
6. Vacuum and charge **R32 refrigerant**. The amount of refrigerant is **1.72 lb (0.78 kg)**

7. Install the following parts:

- ❶ Apply the Insulator A to pipe 2.
- ❷ Apply the Packing A to the accumulator and fasten with the two (2) tie wrap A as shown.

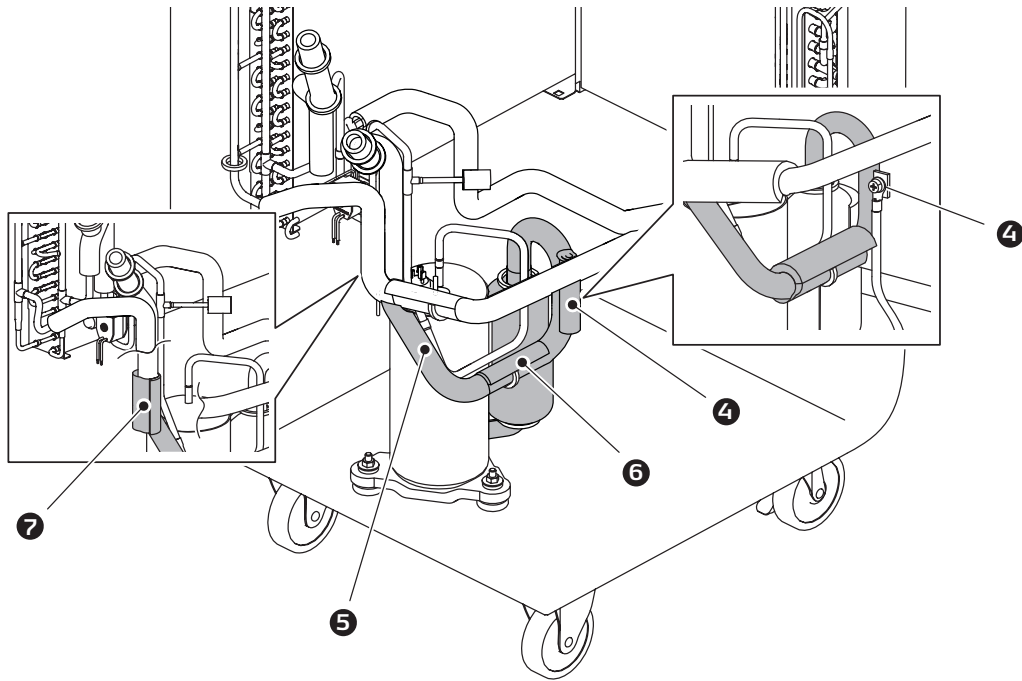


- ❸ To prevent condensation, additionally apply the Packing B to the accumulator as shown.

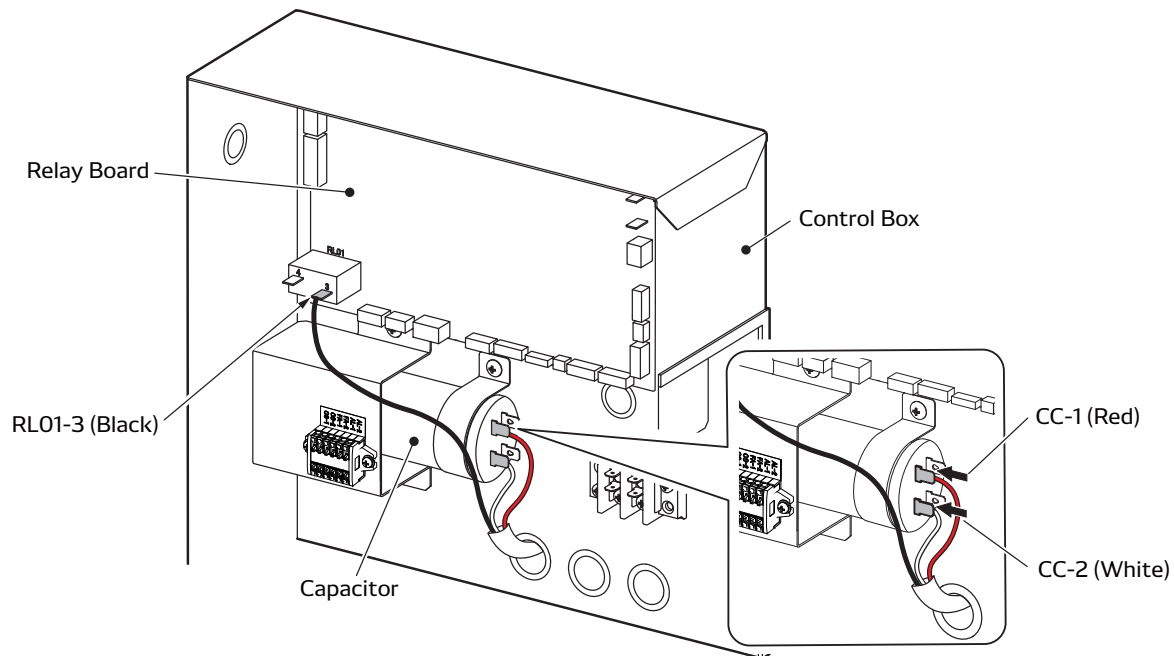


7. Install the following parts:

- ④ Reinstall the ground wire 1 with the bolt and apply the Packing D to the ground wire 1.
- ⑤ Apply the Insulator B to pipe 3.
- ⑥ Reinstall the thermistor and fasten with the one (1) tie wrap B. Next apply the Packing C to the thermistor.
- ⑦ Apply the Packing D to the ground wire 2.



8. Reconnect the three (3) Faston terminals to RL01-03 (Black) on the relay board, and CC-1 (Red) and CC-2 (White) to the capacitor in the control box.



9. Reinstall the fan, fan casing, lower rear panel, logo side panel, and upper rear panel.

MEMO