

NO.C004 Installing the Electric Heating Belt

Step 1: Wrap the electric heating belt around the drainpipe and water refill pipe outside the pre-fab. module.

※Note: Do not install the electric heating belt in the place where there is water. Otherwise, the electric heating may be damaged.
After connecting the water refill port and drain port at the bottom of the air conditioner compartment to the customer's water supply port and drain port, pull out the reserved electric heating cable and wrap it around the outdoor pipe which is above the frozen soil layer. If there are redundant electric heating cables, handle them according to Figure 1-2.

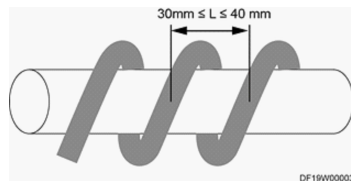


Figure 1-1 Wrapping the heating belt around the water refill pipe

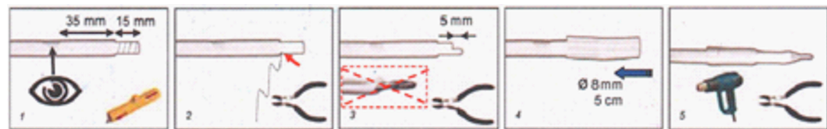


Figure 1-2 Preparing the end of the electric heating belt after cutting

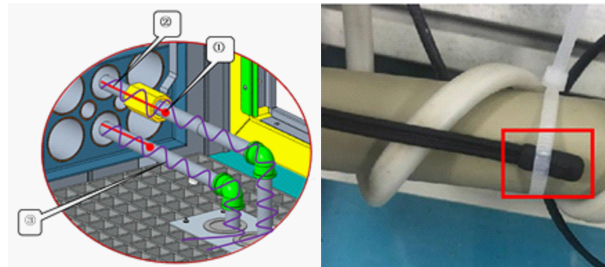
1. First, find the last contact of the heating wire, cut the heating wire at the 55 mm point of the contact. Second, strip off the outermost silicone sheath.
2. Cut off all exposed heating resistance wires.
3. Shorten one of the power cables to make one cable 5 mm shorter than the other.
(※Note: Do not connect the two wires at the tail end together to avoid short circuit.)
4. Prepare a heat shrink tubing with a diameter of $\phi 8$ mm and a length of 5 cm to wrap the end.
5. Use a heat gun to shrink the tubing and seal it completely.

Step 2: Wrap the electric heating belt around the pipe and press the electric heating belt firmly against the pipe.



Step 3: Use a Teflon cable tie to secure the temperature probe to the pipe. The temperature probe is fixed 200 mm away from the water refill and drainpipes. The distance between the temperature sensor and the effective heating section of the electric heater is 20 mm $\pm$ 3.

Figure 1-3 Securing the temperature probe



- ① Temperature probe
- ② Temperature probe control canle
- ③ Electric heating belt

Step 4: Wrap it with foil (with adhesive).



Step 5: Lay thermal insulation foam.



Lay thermal insulation foam on the pipes and seal them with glue.

REVISIONS		
NO.	DESCRIPTION	DATE
NOTE:		
PROJECT		
DRAWING TITLE		
CHECKED BY /DATE		
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DESIGNED BY /DATE		
CLIENT		
SCALE	STATUS	
DATE	DRAWING NO.	