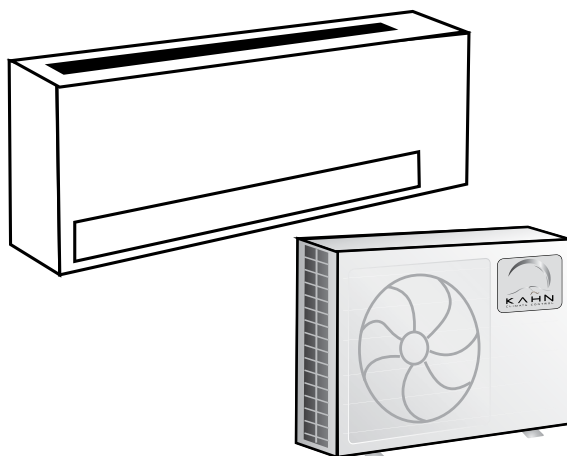




CLOSED LOOP CLIMATE CONTROL HANDBOOK



Thank you for choosing Kahn. Please read this **INSTALLATION HANDBOOK** carefully prior to installing and keep it for further reference.

Incorrect use may cause fire, electric shock and the unit falling may result in injury or water leakage. Contact our designated Kahn service centre and specialists. The manufacturer shall not assume responsibility for accidents or injury caused by incorrect use.

This product must not be disposed together with the domestic waste. This product has to be disposed at an authorized place for recycling of electrical and electronic appliances.



INSTALLATION INSTRUCTIONS

1 Location of indoor unit

- Keep the air inlet and outlet clear from any restrictions.
- Keep the height distance between the indoor and outdoor unit max 5m.
- Suspend from the ceiling sufficient enough to bear the weight of the unit.
- Avoid direct sunlight.
- An easy location for condensate drain and easy for connection with the outdoor unit.
- Keep at least 1m away from the TV radio and other home appliances.

2 Location of outdoor unit

- A firm foundation solid enough to bear the weight of the unit and not cause any shaking.
- Good ventilation, away from dust, far from direct rain and sunshine.
- A place where the air discharged out of the outdoor unit or the operation noise will not annoy your neighbours.
- Do not restrict air flow to the outdoor unit.
- Avoid places close to flammable gas sources.

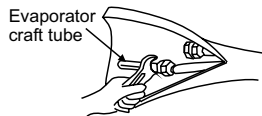
INSTALLATION OF THE INDOOR UNIT

- **Secure the mounting shelf or suspend by pulleys / cables.**

If using a mounting shelf this should be attached to the structural part of wall (post etc).

3 Pipe connection - indoor unit

- Wrap PTFE tape around the male joints / pipe ends.
- Connect both pipes using two adjustable spanners, levering one against the other (see fig 2)
- Gently take the bend out of the coiled copper pipe - do not attempt to bend to 90°.



(Fig. 1)



(Fig. 2)

- Take cable and copper pipes to outdoor unit.

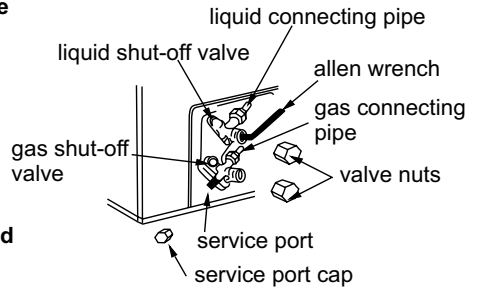
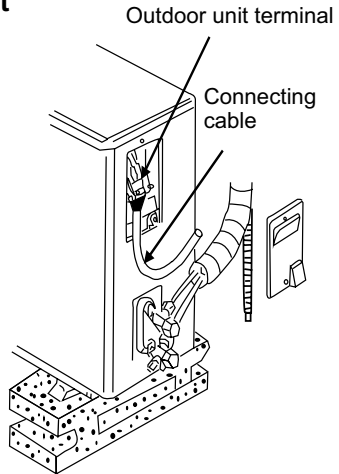
INSTALLATION OF THE OUTDOOR UNIT

- 1 Wiring: The 4 wires are colour coded and numbered.**
See wiring diagram on inside of cover plate / where connecting cable goes into unit.

Connecting Pipe

Instructions for bleeding pre-sealed a/c unit

- Align the centre of joint in line with that of flare nut and tighten the nut of connecting pipe with wrench. (Adjust the torque by the same method of connecting pipe for indoor unit.)
- **Make the pipe connection between the indoor and outdoor unit ensuring a tight connection** (finger tightening initially to avoid risk of cross threading).
- **Remove both brass end caps from the two valves on the outdoor unit – this will reveal an allen key connection on both valves.**
- **Turning anticlockwise – first half unscrew the small liquid port valve, you will hear refrigerant gas passing through the small pipe – this will occur for up to 6 seconds.**
- **Repeat the above process for the larger gas valve port.**
- **Return to fully unscrew small liquid port valve.**
- **Return to fully unscrew large gas port valve.**
- **Replace the brass caps firmly.**
- **You should not hear any further refrigerant movement once these steps have been completed** (Apply soapy water to the piping joints to ensure no gas bubbles exist i.e. No leaks should exist).



If any leak exists, close off allen key valves and re-tighten the leaking joint

