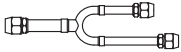
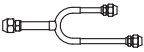
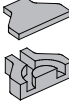
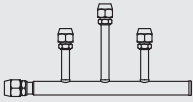
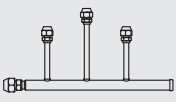
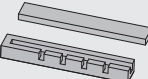
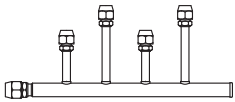
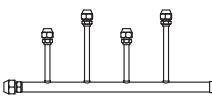
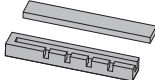
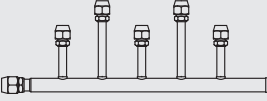
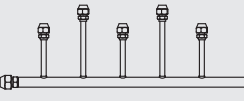
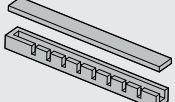
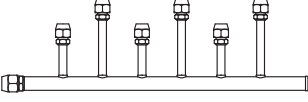
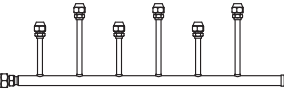
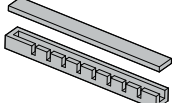


INDOOR UNIT BRANCH HEADER INSTALLATION MANUAL

Thank you very much for purchasing our air conditioner. Before using your air conditioner, please read this manual carefully and keep it for future reference. This brach header can connect to Diverse Inverter units.

Branch List

Name	Gas side joints (Φ15.9→Φ12.7)	Liquid side joints (Φ9.52→Φ6.35)	Heat insulation material	Adaptor
DBRD-02S				Φ6.35→Φ9.52 (2 PC) Φ12.7→Φ15.9 (2 PC) Φ15.9→Φ19.1 (1 PC)
DBRD-03S			 (Please cut off the excess)	Φ6.35→Φ9.52 (3 PC) Φ12.7→Φ15.9 (3 PC) Φ15.9→Φ19.1 (1 PC)
DBRD-04S			 (Please cut off the excess)	Φ6.35→Φ9.52 (3 PC) Φ12.7→Φ15.9 (3 PC) Φ15.9→Φ19.1 (1 PC)
DBRD-05S			 (Please cut off the excess)	Φ6.35→Φ9.52 (2 PC) Φ12.7→Φ15.9 (2 PC) Φ15.9→Φ19.1 (1 PC)
DBRD-06S			 (Please cut off the excess)	Φ6.35→Φ9.52 (2 PC) Φ12.7→Φ15.9 (2 PC) Φ15.9→Φ19.1 (1 PC)

Model selection and fasten the nut

Please select and install the branch pipe and adaptor according to outdoor unit installation manual and actual installation conditions. Put the connecting tubing at the proper position, wrench the nuts with hands then fasten it with a wrench. (Refer to Fig.2)

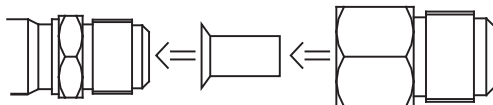


Fig.1

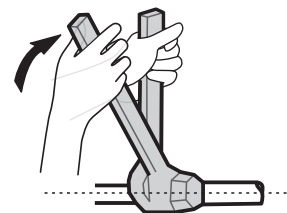


Fig.2

Installation Notices

- Select the branch header according to downstream indoor unit capacity.
- Take the DBRD-04S gas side as an example, the operation steps are as follows:
 - The DBRD-04S structure is displayed in Fig.3.
- Restrictions of piping length and high/low difference. See Fig.4.
 - b、c、d、e、f、g、h、i、j、k≤40m.
 - The limitation of the pipes length, such as L2+a、L2+L4+b、L2+L4+c、L3+k, should follow the installation manual of the outdoor unit which connect with the branch header.
 - The limitation of height difference ,such as H1,should follow the installation manual of the outdoor unit which connect with the branch header.

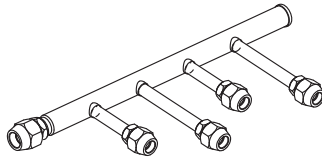


Fig.3

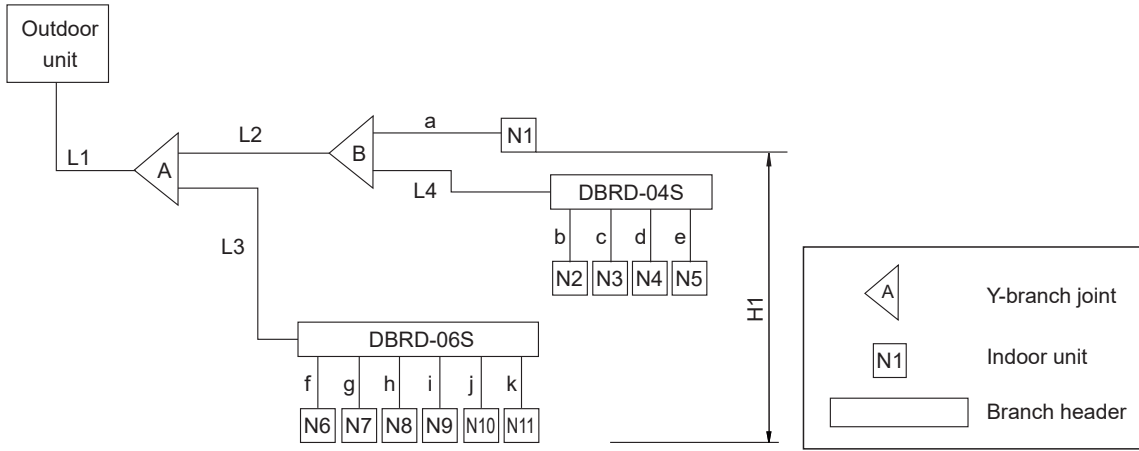


Fig.4

Installation Precaution

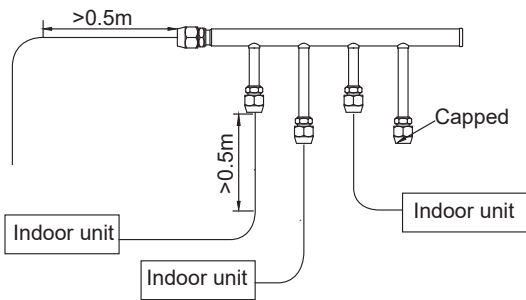


Fig.5

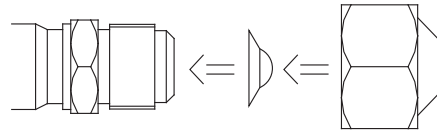


Fig.6

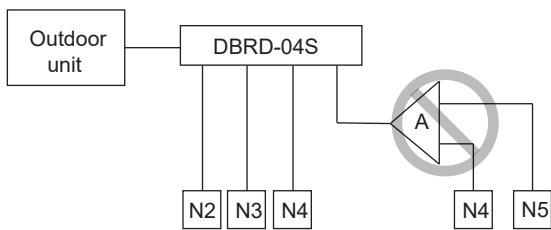


Fig.7

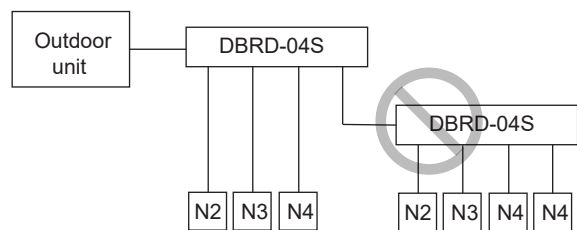
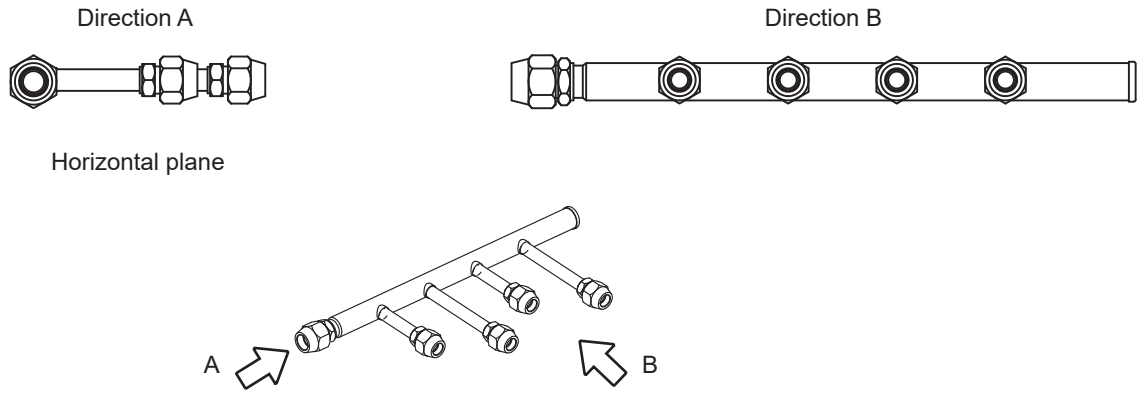


Fig.8

- The straight horizontal pipe's distance between two adjacent branch pipes should $\geq 0.5\text{m}$.
- The straight horizontal pipe's distance which indoor unit connecting behind the branch pipe should $\geq 0.5\text{m}$.
- For unused branch pipe, the pipe orifice should be sealed see fig.6.
- Each branch can connect one indoor unit only see fig.7; it cannot connect to another branch joint see fig.8.

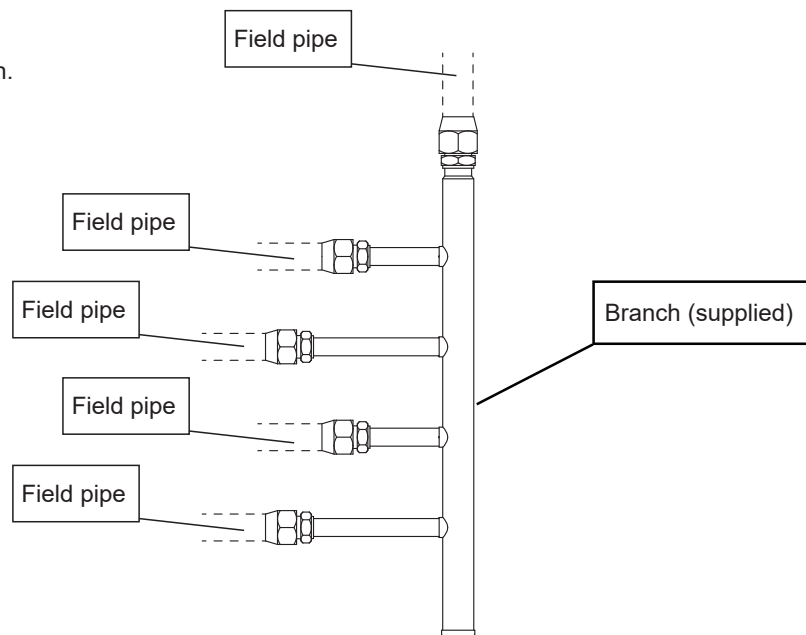
Horizontally Placing Branch Pipe



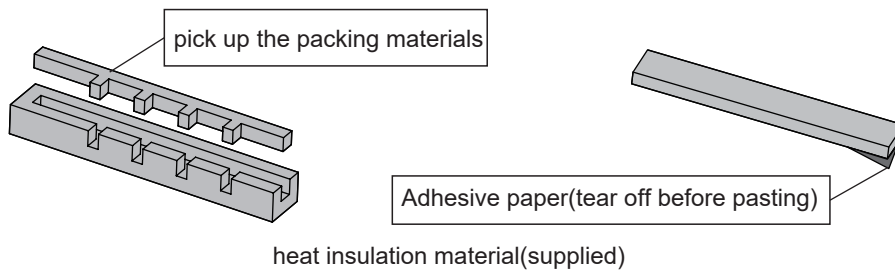
Heat insulation

Be sure to insulate the branches

1. Example of connected branch.



2. Use the supplied heat insulation material to insulate the branches.



3. Apply the heat insulation material and seal all connections with tape.

