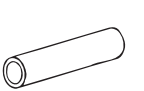
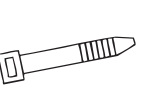
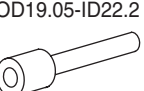
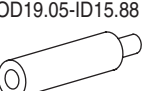


MITSUBISHI ELECTRIC MULTI AIR CONDITIONERS CITY MULTI R2 SERIES

OPTIONAL PARTS JOINT PIPE KIT (CMY-R160-J1)

MOUNTING INSTRUCTION

1 This box contains the items below. Please identify the items with the quantity.

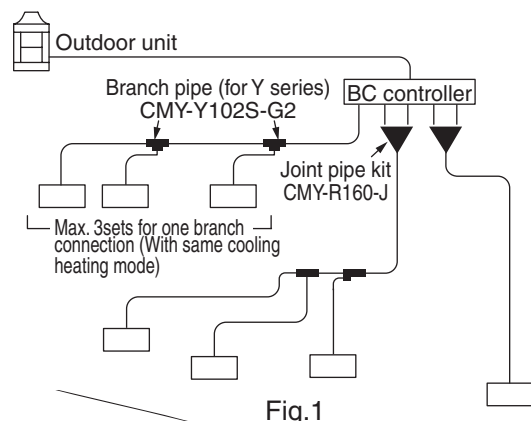
① Instruction	② Joint pipe (Small)	③ Joint pipe (Large)	④ Cover 1	⑤ Cover 2	⑥ Cover 3	⑦ Band	⑧ Reducer 1	⑨ Reducer 2
								
This sheet 1pc	1pc	1pc	2pcs	1pc for gas side	1pc for liquid side	8pcs	1pc	1pc

Please prepare the following items in the field. ① Tape for insulation material sealing ② Extension pipe for refrigerant circuit

2 Observe the items below for the mounting work.

- The maximum capacity index for one indoor unit for one pipe connection to BC controller is a size 80 (in case of *1), 30 (in case of *2) model.
*Refer to the following tables.
Above this index capacity a joint pipe branching kit must be used to create 2 refrigerant pipe circuits from the BC controller. From the same port on BC controller.
- When connecting multiple indoor units, the maximum being 3, the following rules must be applied.
 - 3 units used must have a total connectable index less than 80.
 - Connections with total connectable index greater than 81 but less than 250 a CMY-Y102S-G2 must be used, as shown in Fig 1.

NOTE: Operation of units from the same port of BC controller are linked.
IE. Simultaneous heating and cooling is not available.
- For connection information of externally sourced (IE. not included in manufactured product) pipe to BC controller and pipe joints, please refer to Fig 2.
- It is imperative that non oxidising brazing is practiced. Also all pipes must be as free as possible from any foreign materials IE dust, moisture etc.
- Selecting reducers (gas side)
Select the proper size reducers based on the total capacity of the downstream indoor units, using the table below as a reference.



PLFY-P-VLMD-E	PEFY-P-VM(H)(S)-E(-F)	PFFY-P-VLEM-E
PEFY-P-VMR-E-L(-R)	PEFY-P-VMA(L)-E	PFFY-P-VLRM(M)-E
PDFY-P-VM-E-RE		

Total capacity of indoor units	Reducer
P140 or below	OD19.05-ID15.88
P141-P200	-
P250	OD19.05-ID22.2

PLFY-P-NLMU-E	PEFY-P-NMH(S)U-E(2)(-F)	PEFY-AF1200CFM(R)
PEFY-P-NLMU-E	PEFY-P-NMAU-E2	PFFY-P-NEMU-E
PFFY-P-NRMU-E		

Total capacity of indoor units	Reducer
P54 or below	OD19.05-ID15.88
P55-P72	-
P96	OD19.05-ID22.2

② Joint pipe (small) liquid side

Externally pipe
Connect to joint pipe by brazing.
(Non-oxidized brazing)

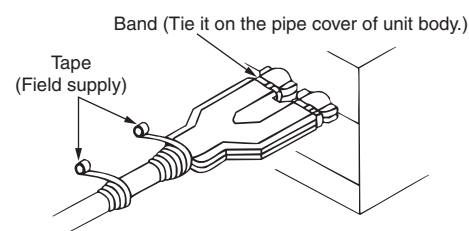
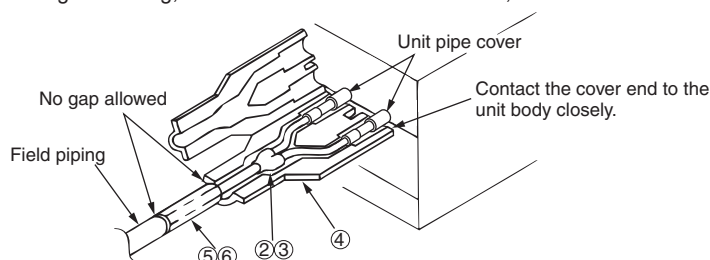
Fig.2

Have pipe expansion of indoor unit connecting port by cutting the piping at the cutting point.
Remove burr after cutting the piping to prevent entering the piping.
Check that there is no crack at the pipe expansion part.

③ Joint pipe (large) gas side

3 Mounting of cover (insulation material)

Conduct airtight test after connecting the external to the piping, indoor unit, BC controller and outdoor unit.
After confirming no leaking, conduct insulation work as follows,



- Tape length 5 and 6 with sealing tape.
- Remove paper cover from the internal surface of ④.
- Close the two sides of ④ together and hold firmly for 5 seconds to allow glue to adhere.
- Wrap sealing tape around all sections that are joined, as shown in diagram.

NOTE: Ensure that the sealing tape is tight and that the seal is good, as a poor seal may cause condensation.