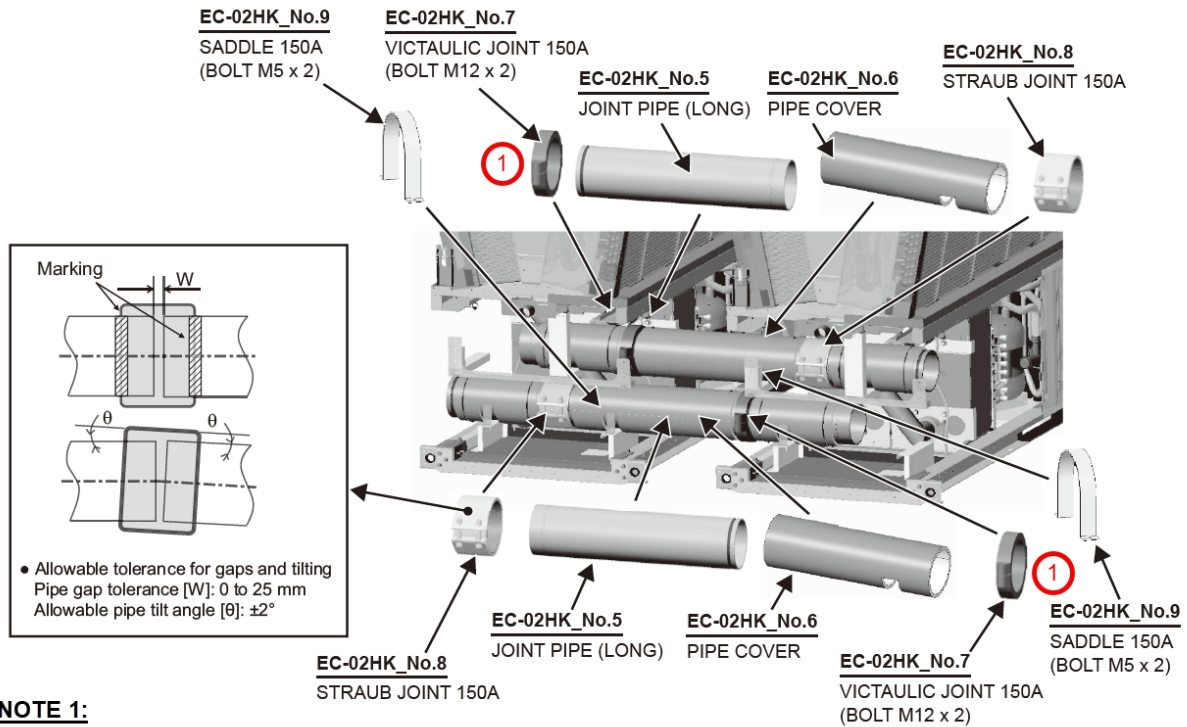


NOTICE:

The factory instructions for the EC-01/02 HK Inside Header Piping Kits are amended by these preceding pages when applying this product in the US market with typical Schedule 40 Steel field provided piping.



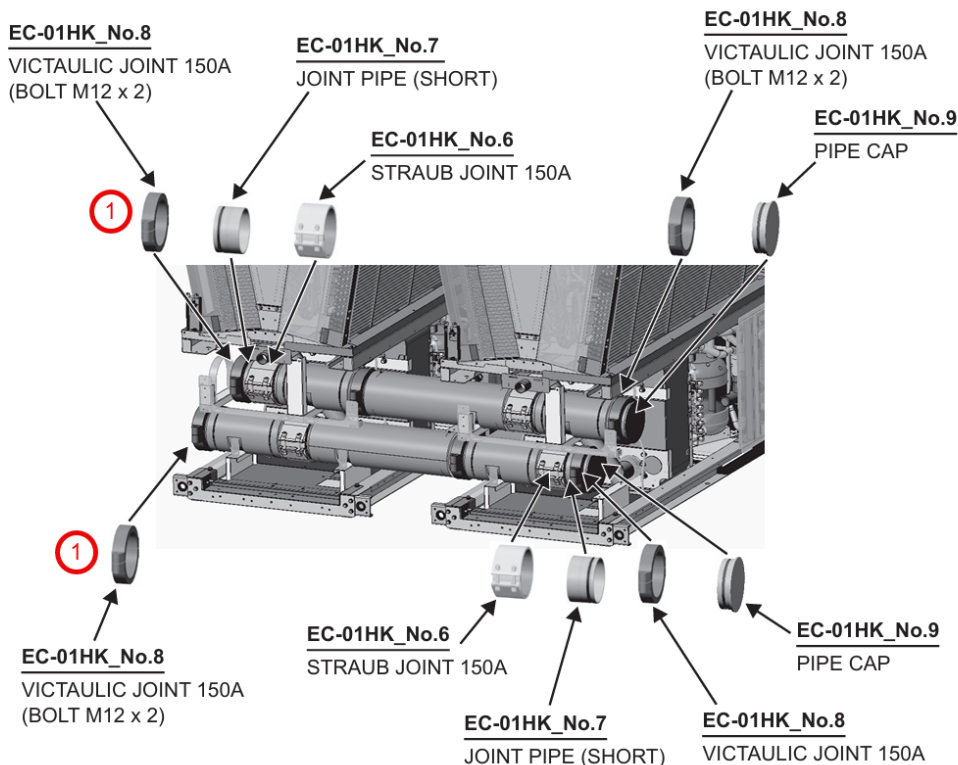
When connecting to inside header model or expanding clearance between modules with field supplied steel piping (Standard US Pipe size, SCH 40) **DO NOT USE** the factory supplied grooved couplings at locations shown.

Replace these couplings and add additional coupling at each end of field provided grooved extension pipe with the JIS to SCH40 adapter coupling accessory shown here, available from METUS as separate accessory part.



A total of 4 accessory reducing couplings will be required between each modules when expanding clearance, and a total of 2 additional for main piping connection to inside header group.

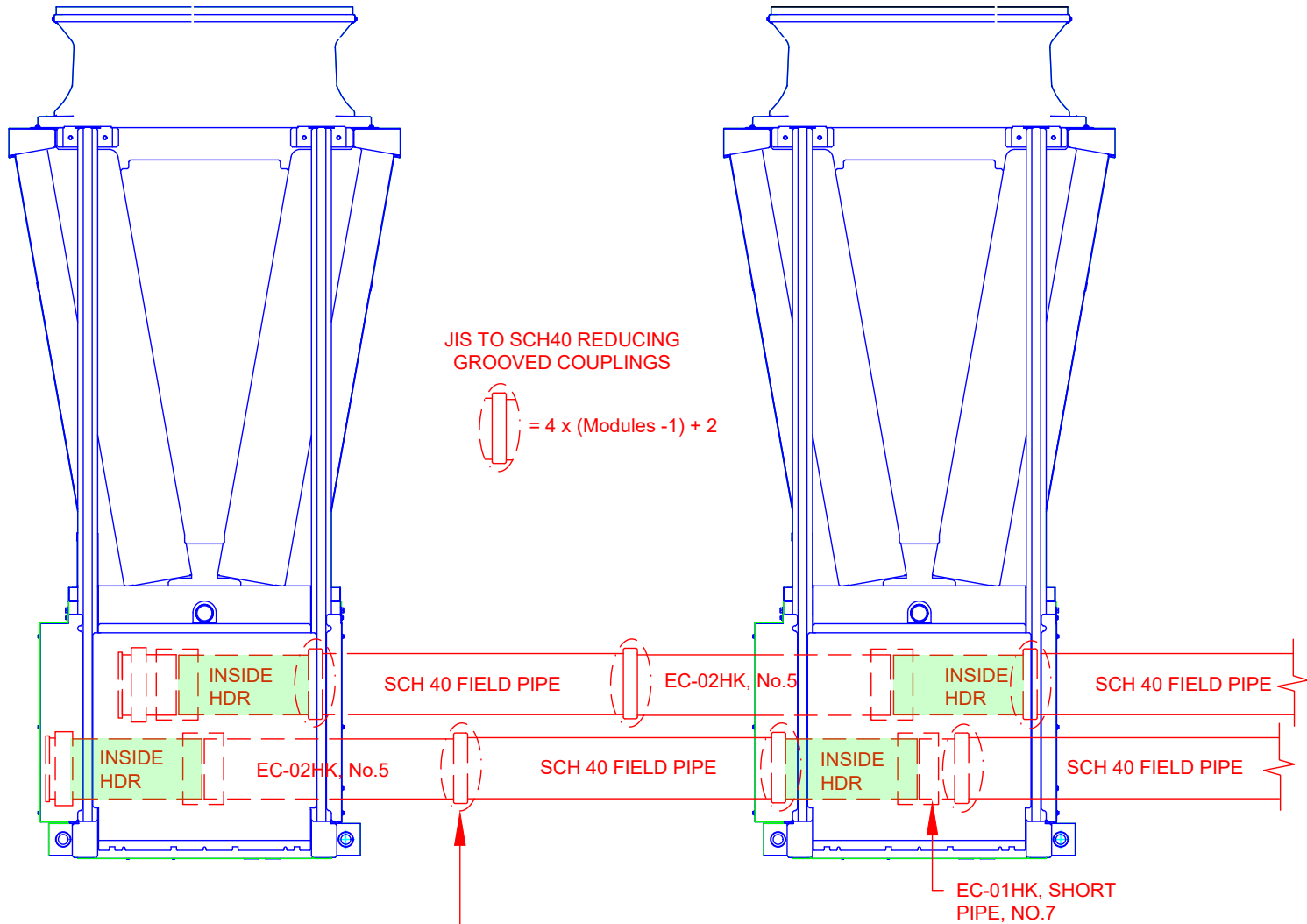
① Size (NB)	Pipe OD (mm)	Part Number	Working Pressure (PSI)
165.1 x 168.3	165.1	FWG-402R-165-168	300



NOTICE:

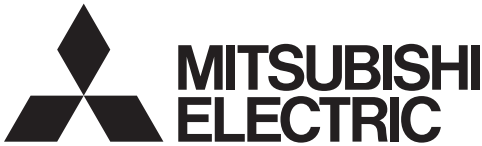
The factory instructions for the EC-01/02 HK Inside Header Piping Kits are amended by these preceding pages when applying this product in the US market with typical Schedule 40 Steel field provided piping.

Example Detail with Qty 2 Inside Header Type e-Chillers



*****DO NOT USE FACTORY HOUSING JOINT AT THESE LOCATIONS*****

WHEN CONNECTING TO FIELD SUPPLIED TYPICAL US SCH40 PIPE A JIS (150A/6B) TO SCH40 REDUCING GROOVED COUPLING IS REQUIRED AT DESIGNATED LOCATIONS (TYPICAL). CONSULT WITH MITSUBISHI FOR FURTHER GUIDANCE AND AVAILABLE ACCESSORY.



Air-cooled Chilling Unit

Installation/Instructions for the Piping Kit

Option Parts
EC-01HK
EC-02HK

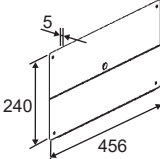
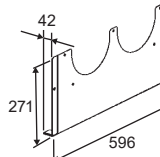
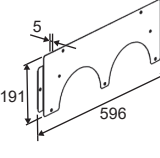
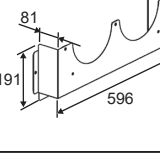
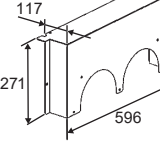
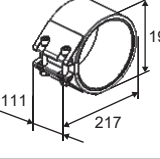
EC-01HK (Piping Kit)
EC-02HK (Connection Piping Kit)

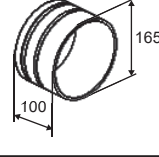
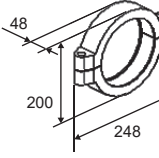
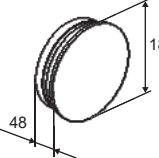
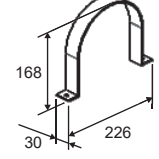
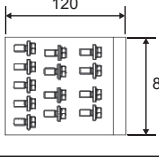
Contents

1. Parts List	2
[1] EC-01HK (Piping Kit)	2
[2] EC-02HK (Connection Piping Kit)	3
2. Installation	4
[1] Connection Types	4
[2] Connection Procedure	5

1. Parts List

[1] EC-01HK (Piping Kit)

Unit: mm			
No.	Parts name	Size and shape	Quantity
1	SIDE PANEL		1
2	PANEL BL		1
3	PANEL BR		1
4	PANEL SL		1
5	PANEL SR		1
6	PIPE COUPLING		2

Unit: mm			
No.	Parts name	Size and shape	Quantity
7	JOINT PIPE (SHORT)		2
8	HOUSING JOINT		4
9	PIPE CAP		2
10	SADDLE		1
11	BOLT M5		1

[2] EC-02HK (Connection Piping Kit)

Unit: mm

No.	Parts name	Size and shape	Quantity
1	PANEL BL		1
2	PANEL BR		1
3	PANEL SL		1
4	PANEL SR		1
5	JOINT PIPE (LONG)		2
6	PIPE COVER		2

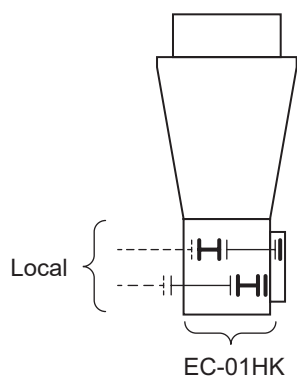
Unit: mm

No.	Parts name	Size and shape	Quantity
7	HOUSING JOINT		2
8	PIPE COUPLING		2
9	SADDLE		1
10	BOLT M5		1
11	TAPE 1		2
12	TAPE 2		2

2. Installation

[1] Connection Types

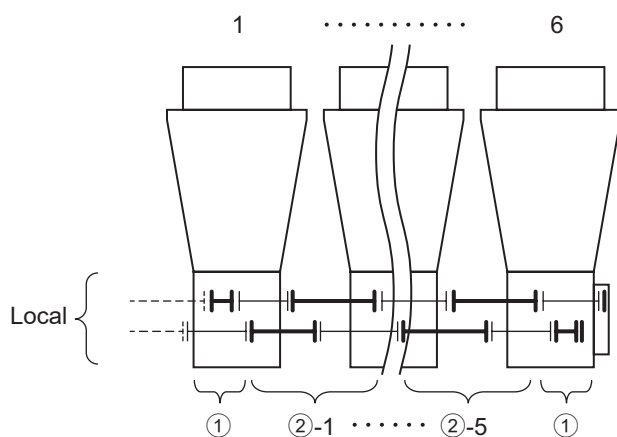
1. Single unit



2. Multiple unit

① EC-01HK

② EC-02HK



3. Required Options

① EC-01HK

② EC-02HK

1 unit.....	Option ① only
2 units.....	Option ① + ②
3 units.....	Option ① + ② × 2
4 units.....	Option ① + ② × 3
5 units.....	Option ① + ② × 4
6 units.....	Option ① + ② × 5

[2] Connection Procedure

Installation work must be performed by personnel certified by Mitsubishi Electric.

⚠ CAUTION

To reduce the risk of injury, do not touch the heat exchanger fins or sharp edges of components with bare hands.

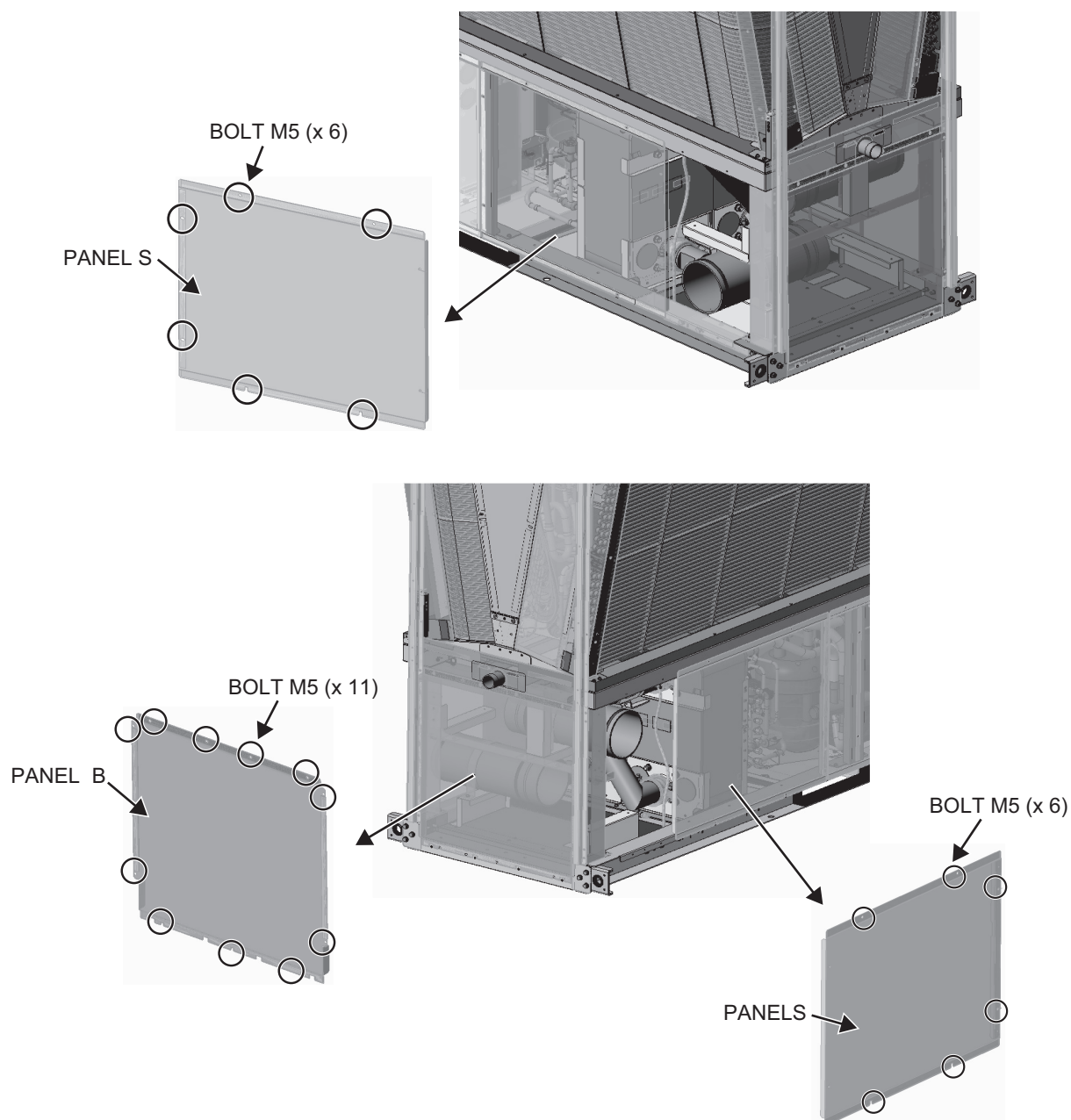
To reduce the risk of injury, wear protective gear when working on the unit.

To reduce the risk of injury, products weighing 20 kg or more should be carried by two or more people.

This document is an example of the right side local piping.

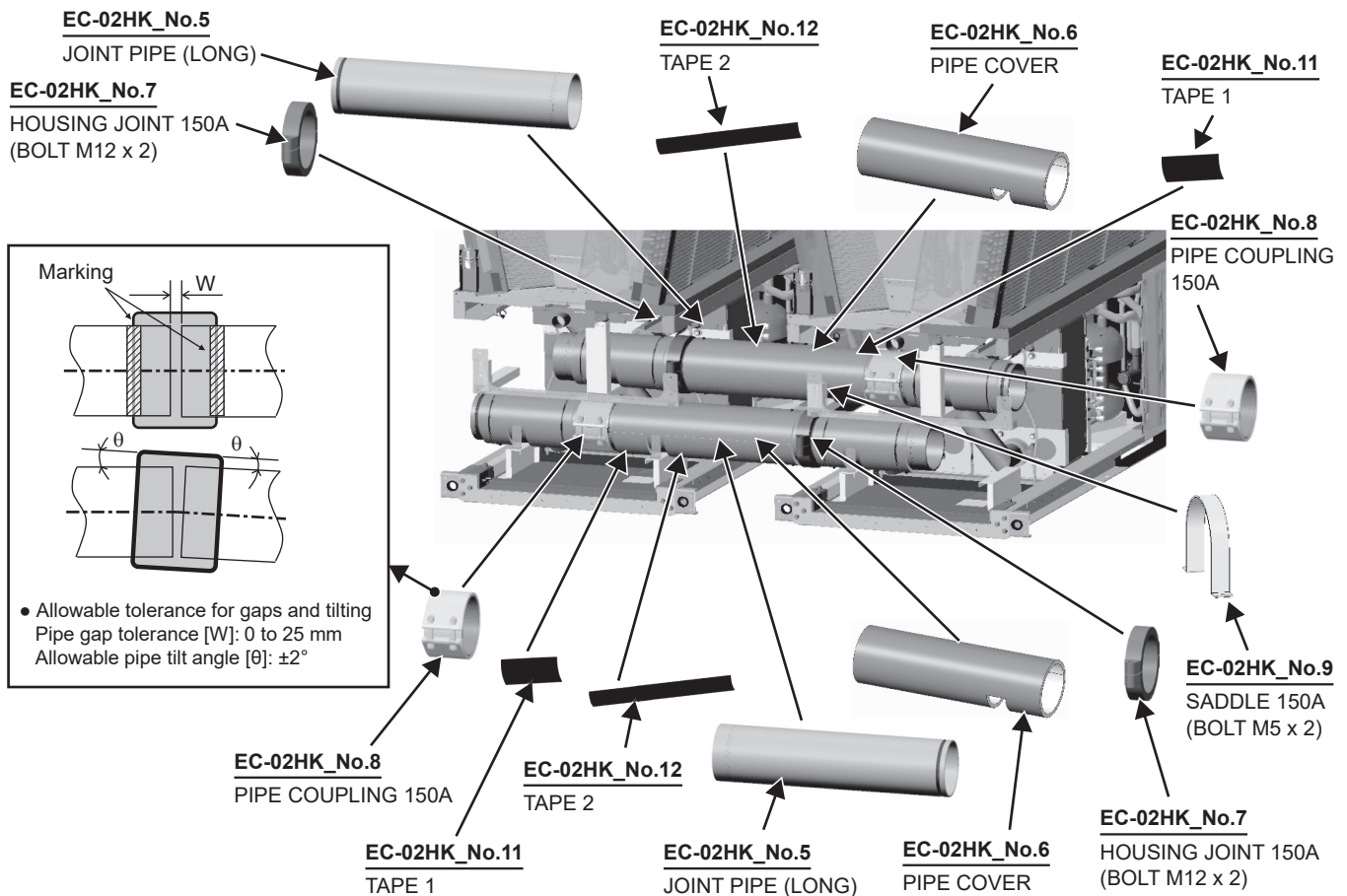
1. Removing the panel

- (1) Remove Panels S. (Right and left)
(Save Panels S for later use.)
- (2) Remove Panel B.
(Save Panel B for later use.)



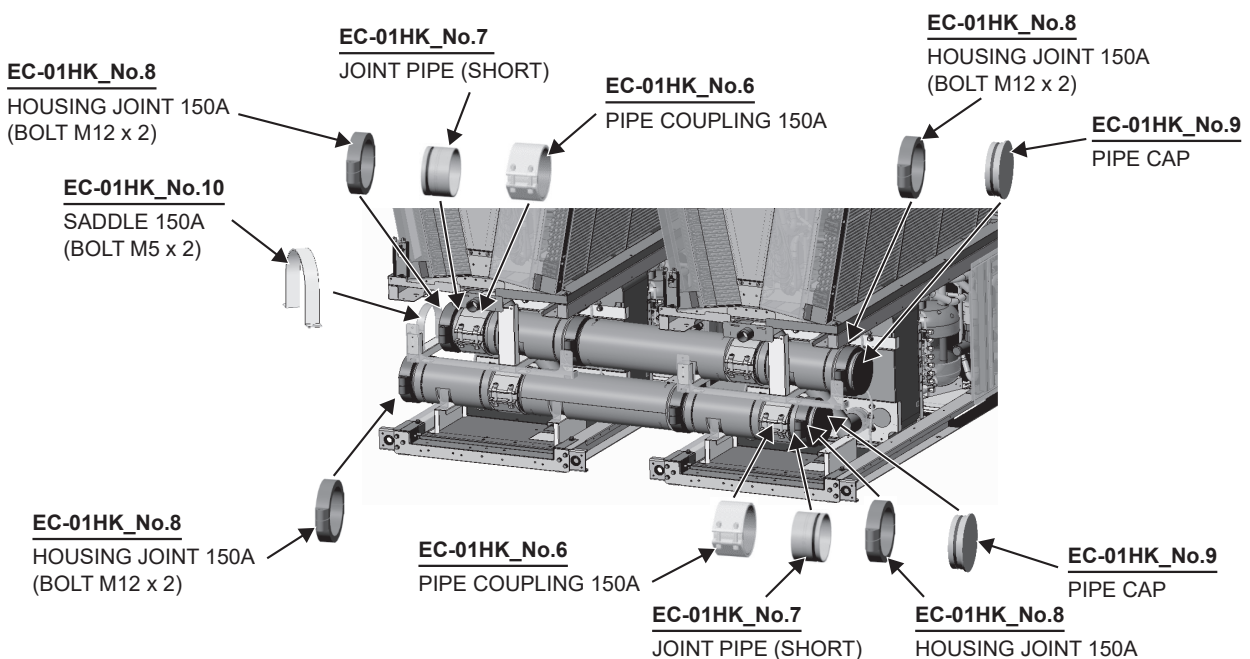
2. Installing the connection piping kit (EC-02HK: not including the panel)

- (1) Install the joint pipe (long).
Install the pipe coupling where marked on the joint pipe (long).
- (2) Install the saddle.
- (3) Align the cutout in the pipe cover with the saddle and fit the joint pipe.
- (4) Put TAPE 1 and TAPE 2 on the boundaries between the pipe cover and the pipe.



3. Installing the piping kit (EC-01HK: not including the panel)

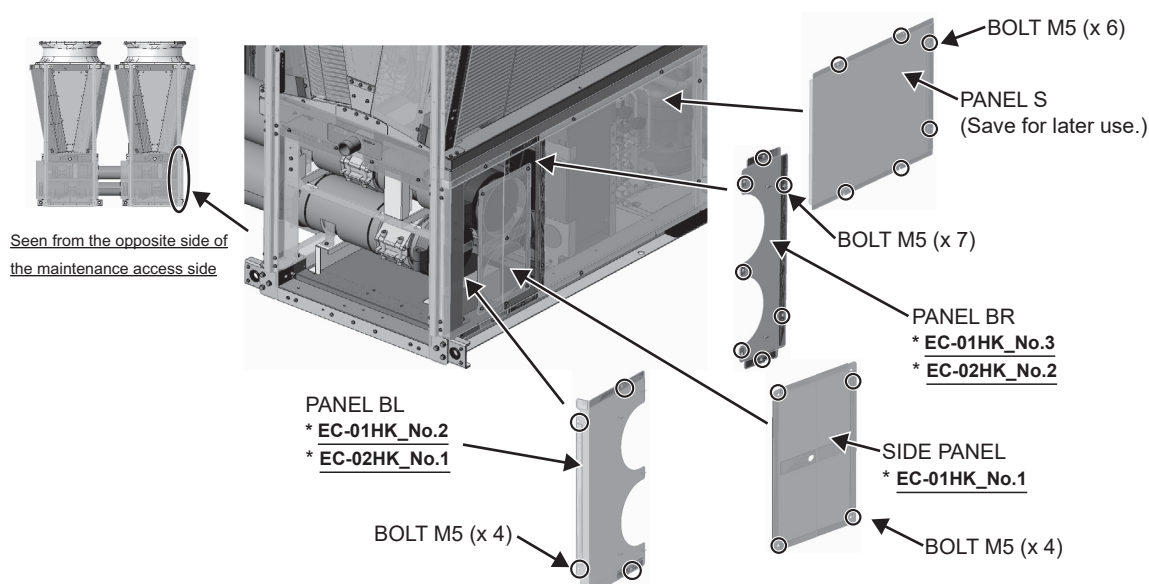
- Install the pipe cap.



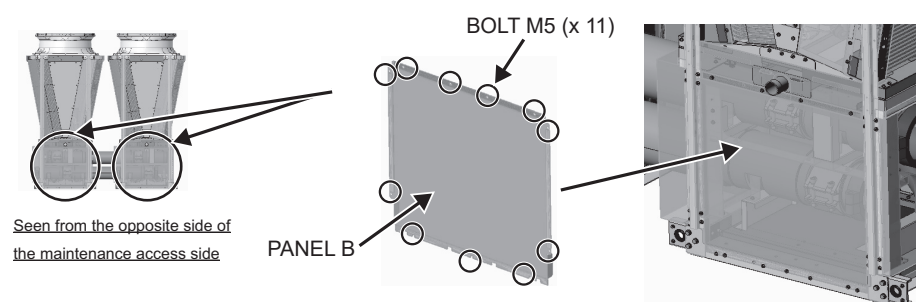
4. Installing the panel (Tightening torque for M5 screws: 3.24 N·m (Tolerance: 2.75 to 3.63 N·m))

(1) Install the panel on the pipe cap.

* Note: Install Panel S first, and then install the side panel.

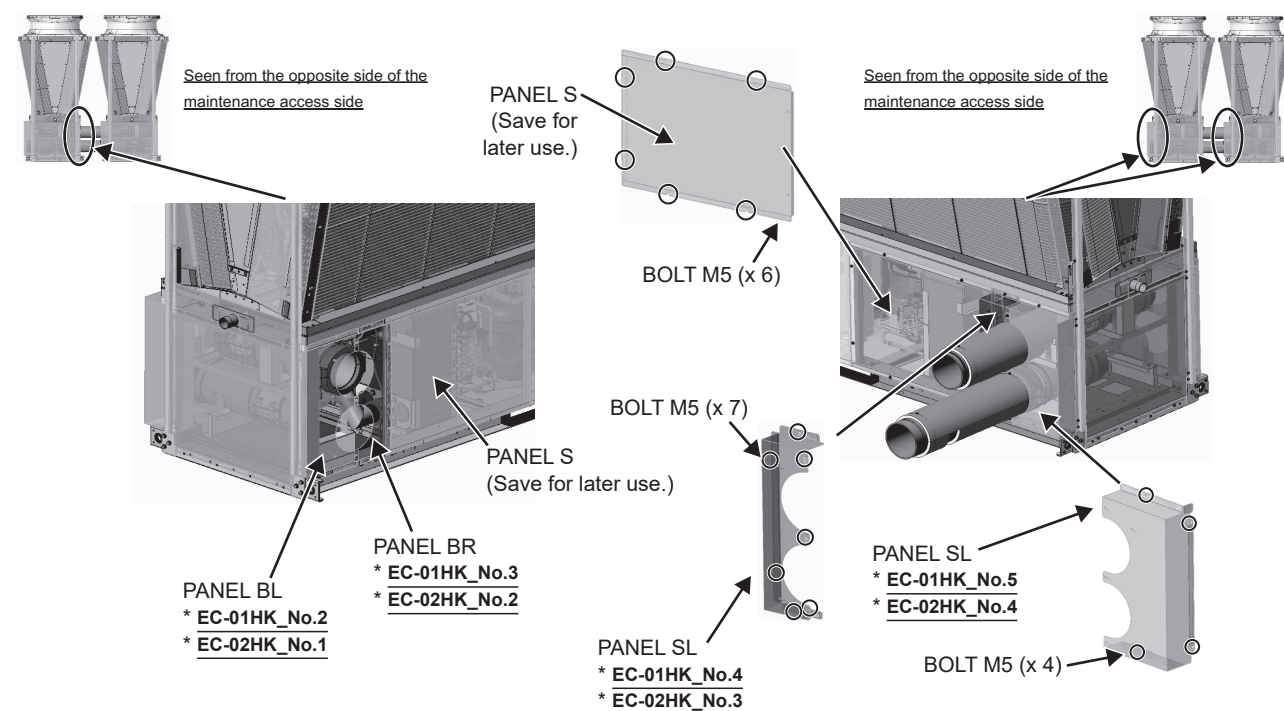


(2) Install Panel B.



(3) Install the panel on the joint pipe (long) side.

* Note: Install Panel S first, and then install Panel BL and Panel BR.



mitsubishi electric corporation

HEAD OFFICE: TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN
Authorized representative in EU: MITSUBISHI ELECTRIC EUROPE B.V.

HARMAN HOUSE, 1 GEORGE STREET, UXBRIDGE, MIDDLESEX UB8 1QQ, U.K.

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