MITSUBISHI ELECTRIC

Split-type Air-Conditioner

MXZ-2D33VA
MXZ-2D42VA2
MXZ-2D53VA(H)2

English is original.

Installation Manual For INSTALLER

- This manual only describes the installation of outdoor unit.
  When installing the indoor unit, refer to the installation manual of indoor unit.

English

Übersetzung des Originals

Installationsanleitung Für INSTALLATEUR

- Diese Installationsanleitung gilt nur für die Installation des Außengerätes.
  Zur Installation des Innengeräts siehe die Installationsanleitung für Innengeräte.

Deutsch

Traduction du texte d'origine

Notice d'installation Destinée à l'INSTALLATEUR

- Cette notice ne décrit que l'installation de l'appareil extérieur.
  Lors de l'installation de l'appareil intérieur, consultez la notice d'installation de cet appareil.

Français

Vertaling van het origineel

Installatiehandleiding Voor de INSTALLATEUR

- Deze handleiding beschrijft alleen de installatie van de buitenunit.
  Raadpleeg de installatiehandleiding van de binnenunit wanneer u deze installeert.

Nederlands

Traducción del original

Manual de instalación Para el INSTALADOR

- En este manual sólo se describe la instalación de la unidad exterior.
  Para instalar la unidad interior, consulte el manual de instalación de dicha unidad.

Español

Traduzione dell'originale

Manuale per l'installazione Per il TECNICO INSTALLATORE

- Questo manuale descrive solo l'installazione dell'unità esterna.
  Per l'installazione dell'unità interna, fare riferimento al relativo manuale di installazione.

Italiano

Μετάφραση του αρχικού

Εγχειρίδιο εγκατάστασης Για τον ΤΕΧΝΙΚΟ

- Στο παρόν εγχειρίδιο περιγράφεται μόνο η εγκατάσταση της μονάδας εξωτερικού χώρου.
  Για την εγκατάσταση της μονάδας εσωτερικού χώρου, ανατρέξτε στο εγχειρίδιο εγκατάστασης της μονάδας εσωτερικού χώρου.

Ελληνικά

Tradução do original

Manual de Instalação Para o INSTALADOR

- Este manual descreve apenas a instalação da unidade exterior.
  Quando proceder à instalação da unidade interior, consulte o manual de instalação da unidade interior.

Português

Oversættelse af den originale tekst

Installationshåndbog Til INSTALLATØREN

- Denne håndbog beskriver kun, hvordan udendørsenheden installeres.
  Vedrørende installation af indendørsenheden henvises til installationshåndbogen for indendørsenheden.

Dansk

Översättning från originalet

Installationsanvisning För INSTALLATÖREN

- Denna installationsanvisning beskriver endast installation av utomhusenheten.
  Se den separata installationsanvisningen för inomhusenheten.

Svenska

Orijinalin çevirisi

Kurulum Kılavuzu TESİSATÇI İÇİN

- Bu kılavuzda yalnızca dış ünitenin kurulumu açıklanmaktadır.
  İç ünite kurulum işlemini yaparken iç ünite kurulum kılavuzuna bakın.

Türkçe

Версията на английски език е оригинал.

Ръководство за монтаж За ИНСТАЛАТОРА

- Това ръководство описва само монтажа на външното тяло.
  При монтиране на вътрешното тяло вижте ръководството за монтаж на вътрешното тяло.

Български

ENGLISH

CONTENTS

1. BEFORE INSTALLATION 1
2. OUTDOOR UNIT INSTALLATION 4
3. FLARING WORK AND PIPE CONNECTION 4
4. PURGING PROCEDURES, LEAK TEST, AND TEST RUN 5
5. PUMPING DOWN 6

Required Tools for Installation

Phillips screwdriver
Level
Scale
Utility knife or scissors
Torque wrench
Wrench (or spanner)
4 mm hexagonal wrench
Flare tool for R410A
Gauge manifold for R410A
Vacuum pump for R410A
Charge hose for R410A
Pipe cutter with reamer

1. BEFORE INSTALLATION

1-1. THE FOLLOWING SHOULD ALWAYS BE OBSERVED FOR SAFETY

- Be sure to read "THE FOLLOWING SHOULD ALWAYS BE OBSERVED FOR SAFETY" before installing the air conditioner.
- Be sure to observe the warnings and cautions specified here as they include important items related to safety.
- After reading this manual, be sure to keep it together with the OPERATING INSTRUCTIONS for future reference.

⚠ WARNING (Could lead to death, serious injury, etc.)

- **Do not install the unit by yourself (user).**
  Incomplete installation could cause fire or electric shock, injury due to the unit falling, or leakage of water. Consult the dealer from whom you purchased the unit or a qualified installer.
- **Perform the installation securely referring to the installation manual.**
  Incomplete installation could cause fire, electric shock, injury due to the unit falling, or leakage of water.
- **When installing the unit, use appropriate protective equipment and tools for safety.**
  Failure to do so could cause injury.
- **Install the unit securely in a place which can bear the weight of the unit.**
  If the installation location cannot bear the weight of the unit, the unit could fall causing injury.
- **Electrical work should be performed by a qualified, experienced electrician, according to the installation manual. Be sure to use an exclusive circuit. Do not connect other electrical appliances to the circuit.**
  If the capacity of the power circuit is insufficient or there is incomplete electrical work, it could result in a fire or an electric shock.
- **Do not damage the wires by applying excessive pressure with parts or screws.**
  Damaged wires could cause fire or electric shock.
- **Be sure to cut off the main power in case of setting up the indoor P.C. board or wiring works.**
  Failure to do so could cause electric shock.
- **Use the specified wires to connect the indoor and outdoor units securely and attach the wires firmly to the terminal block connecting sections so the stress of the wires is not applied to the sections. Do not extend the wires, or use intermediate connection.**
  Incomplete connecting and securing could cause fire.
- **Do not install the unit in a place where inflammable gas may leak.**
  If gas leaks and accumulates in the area around the unit, it could cause an explosion.
- **Do not use intermediate connection of the power cord or the extension cord and do not connect many devices to one AC outlet.**
  It could cause a fire or an electric shock due to defective contact, defective insulation, exceeding the permissible current, etc.
- **Be sure to use the parts provided or specified parts for the installation work.**
  The use of defective parts could cause an injury or leakage of water due to a fire, an electric shock, the unit falling, etc.
- **When plugging the power supply plug into the outlet, make sure that there is no dust, clogging, or loose parts in both the outlet and the plug. Make sure that the power supply plug is pushed completely into the outlet.**
  If there is dust, clogging, or loose parts on the power supply plug or the outlet, it could cause electric shock or fire. If loose parts are found on the power supply plug, replace it.
- **Attach the electrical cover to the indoor unit and the service panel to the outdoor unit securely.**
  If the electrical cover of the indoor unit and/or the service panel of the outdoor unit are not attached securely, it could result in a fire or an electric shock due to dust, water, etc.
- **When installing, relocating, or servicing the unit, make sure that no substance other than the specified refrigerant (R410A) enters the refrigerant circuit.**
  Any presence of foreign substance such as air can cause abnormal pressure rise and may result in explosion or injury. The use of any refrigerant other than that specified for the system will cause mechanical failure, system malfunction, or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety.
- **Do not discharge the refrigerant into the atmosphere. If refrigerant leaks during installation, ventilate the room.**
  If refrigerant comes in contact with a fire, harmful gas could be generated. Refrigerant leakage may cause suffocation. Provide ventilation in accordance with EN378-1.
- **Check that the refrigerant gas does not leak after installation has been completed.**
  If refrigerant gas leaks indoors, and comes into contact with the flame of a fan heater, space heater, stove, etc., harmful substances will be generated.
- **Use appropriate tools and piping materials for installation.**
  The pressure of R410A is 1.6 times more than R22. Not using appropriate tools or materials and incomplete installation could cause the pipes to burst or injury.
- **When pumping down the refrigerant, stop the compressor before disconnecting the refrigerant pipes.**
  If the refrigerant pipes are disconnected while the compressor is running and the stop valve is open, air could be drawn in and the pressure in the refrigeration cycle could become abnormally high. This could cause the pipes to burst or injury.
- **When installing the unit, securely connect the refrigerant pipes before starting the compressor.**
  If the compressor is started before the refrigerant pipes are connected and when the stop valve is open, air could be drawn in and the pressure in the refrigeration cycle could become abnormally high. This could cause the pipes to burst or injury.
- **Fasten a flare nut with a torque wrench as specified in this manual.**
  If fastened too tight, a flare nut may break after a long period and cause refrigerant leakage.
- **The unit shall be installed in accordance with national wiring regulations.**
- **Earth the unit correctly.**
  Do not connect the earth to a gas pipe, water pipe, lightning rod or telephone earth. Defective earthing could cause electric shock.
- **Be sure to install an earth leakage breaker.**
  Failure to install an earth leakage breaker may result in electric shock or fire.

⚠ CAUTION (Could lead to serious injury in particular environments when operated incorrectly.)

- **Perform the drainage/piping work securely according to the installation manual.**
  If there is defect in the drainage/piping work, water could drop from the unit, soaking and damaging household goods.
- **Do not touch the air inlet or the aluminum fins of the outdoor unit.**
  This could cause injury.
- **Do not install the outdoor unit where small animals may live.**
  If small animals enter and touch the electric parts inside the unit, it could cause a malfunction, smoke emission, or fire. Also, advise user to keep the area around the unit clean.

1-2. SPECIFICATIONS

Model	Power supply *1			Wire specifications *2		Pipe length and height difference *3, *4, *5, *6, *7, *8				Outdoor Noise level	
	Rated Voltage	Frequency	Breaker capacity	Power supply	Indoor/outdoor connecting wire	Max. pipe length per indoor unit / for multi-system	Max. height difference *9	Max. no. of bends per indoor unit / for multi system	Refrigerant adjustment A *10	Cooling	Heating
MXZ-2D33VA	230 V	50 Hz	10 A	3-core 1.0 mm²	4-core 1.0/1.5 mm²	15 m / 20 m	10 m	15 / 20	20 g/m	49 dB (A)	50 dB (A)
MXZ-2D42VA2			15 A	3-core 2.0 mm²		20 m / 30 m	15 m	20 / 30		46 dB (A)	51 dB (A)
MXZ-2D53VA(H)2										50 dB (A)	53 dB (A)

Note:
Refer to the table for possible combinations (service reference number).
When connecting the MFZ-KJ series indoor unit to this outdoor unit, charge additional refrigerant according to the instructions in the table below.

MXZ-2D33VA

No. of MFZ-KJ indoor units	Pipe length (L)	Maximum amount of refrigerant
	~ 20 m	
1 unit	100 g additional (Total 1250 g)	1250 g
2 units	Not available (Only one MFZ-KJ series indoor unit can be connected.)	

MXZ-2D42VA2 MXZ-2D53VA2 MXZ-2D53VAH2

No. of MFZ-KJ indoor units	Pipe length (L)		Maximum amount of refrigerant
	~ 20 m	~ 30 m	
1 unit	100 g additional (Total 1400 g)	100 g + {(L -20) m x 20 g/m)}	1600 g
2 units	200 g additional (Total 1500 g)	200 g + {(L -20) m x 20 g/m)}	1700 g

*1 Connect to the power switch which has a gap of 3 mm or more when open to interrupt the source power phase. (When the power switch is shut off, it must interrupt all phases.)
*2 Use wires in conformity with design 60245 IEC 57. Use the indoor/outdoor connecting wire in conformity with the wire specifications specified in the installation manual of the indoor unit.
*3 Never use pipes with thickness less than specified. The pressure resistance will be insufficient.
*4 Use a copper pipe or a copper-alloy seamless pipe.
*5 Be careful not to crush or bend the pipe during pipe bending.
*6 Refrigerant pipe bending radius must be 100 mm or more.
*7 Insulation material : Heat resisting foam plastic 0.045 specific gravity
*8 Be sure to use the insulation of specified thickness. Excessive thickness may cause incorrect installation of the indoor unit and insufficient thickness may cause dew drippage.
*9 If the outdoor unit is installed higher than the indoor unit, max. height difference is reduced to 10 m.
*10 If pipe length exceeds 20 m, additional refrigerant (R410A) charge is required. (No additional charge is required for pipe length less than 20 m.)
Additional refrigerant = A × (pipe length (m) - 20)

1-3. SELECTING OPTIONAL DIFFERENT-DIAMETER JOINTS

If the diameter of connection pipe does not match the port size of outdoor unit, use optional different-diameter joints according to the following table.

(Unit: mm (inch))

Port size of outdoor unit		Optional different-diameter joints (port size of outdoor unit → diameter of connection pipe)
MXZ-2D	Liquid / Gas	6.35 (1/4) → 9.52 (3/8) : PAC-493PI 9.52 (3/8) → 12.7 (1/2) : MAC-A454JP 9.52 (3/8) → 15.88 (5/8) : PAC-SG76RJ 12.7 (1/2) → 9.52 (3/8) : MAC-A455JP 12.7 (1/2) → 15.88 (5/8) : MAC-A456JP Refer to the installation manual of indoor unit for the diameter of connection pipe of indoor unit.
A , B UNIT	6.35 (1/4) / 9.52 (3/8)	

1-4. SELECTING THE INSTALLATION LOCATION

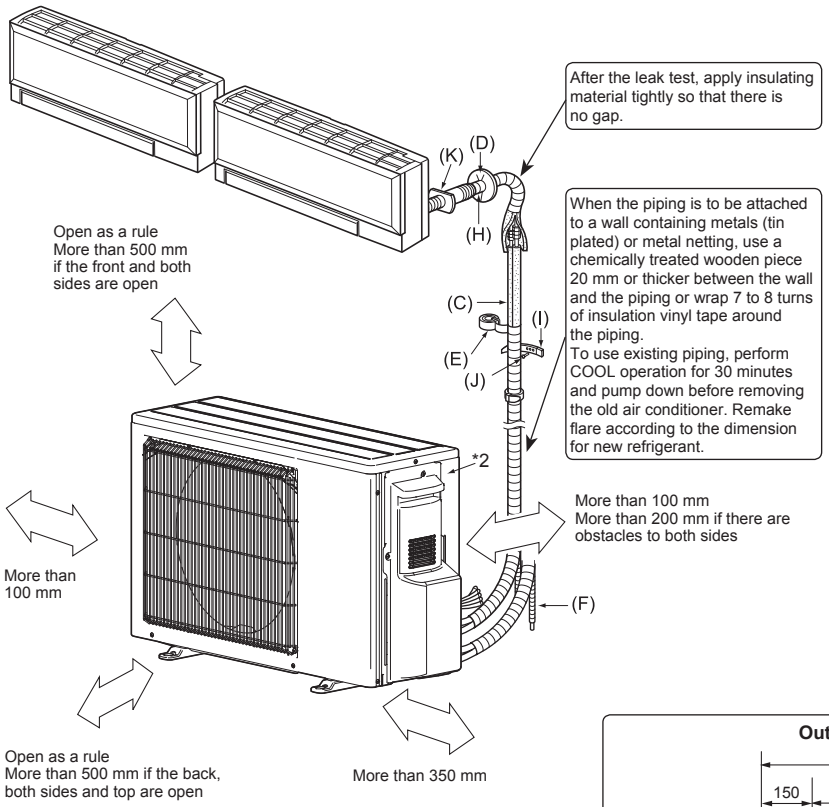
- Where it is not exposed to strong wind.
- Where airflow is good and dustless.
- Where rain or direct sunshine can be avoided as much as possible.
- Where neighbours are not annoyed by operation sound or hot air.
- Where rigid wall or support is available to prevent the increase of operation sound or vibration.
- Where there is no risk of combustible gas leakage.
- When installing the unit, be sure to secure the unit legs.
- Where it is at least 3 m away from the antenna of TV set or radio. Operation of the air conditioner may interfere with radio or TV reception in areas where reception is weak. An amplifier may be required for the affected device.
- Install the unit horizontally.
- Please install it in an area not affected by snowfall or blowing snow. In areas with heavy snow, please install a canopy, a pedestal and/or some baffle boards.

Note:
It is advisable to make a piping loop near outdoor unit so as to reduce vibration transmitted from there.

Note:
When operating the air conditioner in low outside temperature, be sure to follow the instructions described below.
- Never install the outdoor unit in a place where its air inlet/outlet side may be exposed directly to wind.
- To prevent exposure to wind, install the outdoor unit with its air inlet side facing the wall.
- To prevent exposure to wind, it is recommended to install a baffle board on the air outlet side of the outdoor unit.

Avoid the following places for installation where air conditioner trouble is liable to occur.
- Where flammable gas could leak.
- Where there is much machine oil.
- Where oil is splashed or where the area is filled with oily smoke (such as cooking areas and factories, in which the properties of plastic could be changed and damaged).
- Salty places such as the seaside.
- Where sulfide gas is generated such as a hot spring.
- Where there is high-frequency or wireless equipment.
- Where there is emission of high levels of VOCs, including phthalate compounds, formaldehyde, etc., which may cause chemical cracking.

1-5. INSTALLATION DIAGRAM



*2 The manufacturing year and month is indicated on the spec name plate.

ACCESSORIES

Check the following parts before installation.

(1)	Drain socket	1

PARTS TO BE PROVIDED AT YOUR SITE

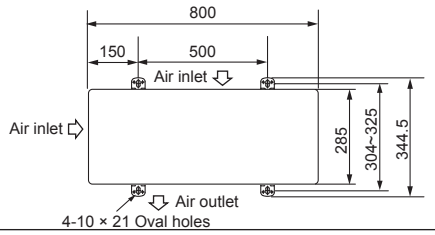
(A)	Power supply cord*1	1
(B)	Indoor/outdoor unit connecting wire*1	1
(C)	Extension pipe	1
(D)	Wall hole cover	1
(E)	Piping tape	1
(F)	Extension drain hose (or soft PVC hose, 15 mm inner diameter or hard PVC pipe VP16)	1
(G)	Refrigeration oil	Little amount
(H)	Putty	1
(I)	Pipe fixing band	2 to 7
(J)	Fixing screw for (I)	2 to 7
(K)	Wall hole sleeve	1
(L)	Soft PVC hose, 15 mm inner diameter or hard PVC pipe VP16 for drain socket (1)	1

Note:

*1 Place indoor/outdoor unit connecting wire (B) and power supply cord (A) at least 1 m away from the TV antenna wire.

The “Q’ty” for (B) to (K) in the above table is quantity to be used per indoor unit.

Outdoor unit installation



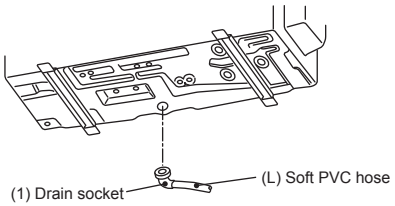
Units should be installed by licensed contractor according to local code requirements.

1-6. DRAIN PIPING FOR OUTDOOR UNIT

Please perform the drain piping work only when draining from one place.
1) Provide drain piping before indoor and outdoor piping connection.
2) Connect the soft PVC hose (L) I.D.15 mm as shown in the illustration.
3) Make sure to provide drain piping with a downhill grade for easy drain flow.

Note:

Install the unit horizontally.
Do not use the drain socket (1) in the cold regions. Drain may freeze and it makes the fan stop.
The outdoor unit produces condensate during the heating operation. Select the installation place to ensure to prevent the outdoor unit and/or the grounds from being wet by drain water or damaged by frozen drain water.

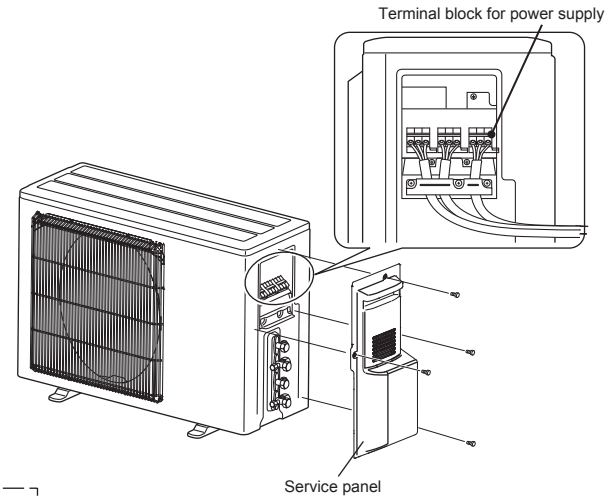


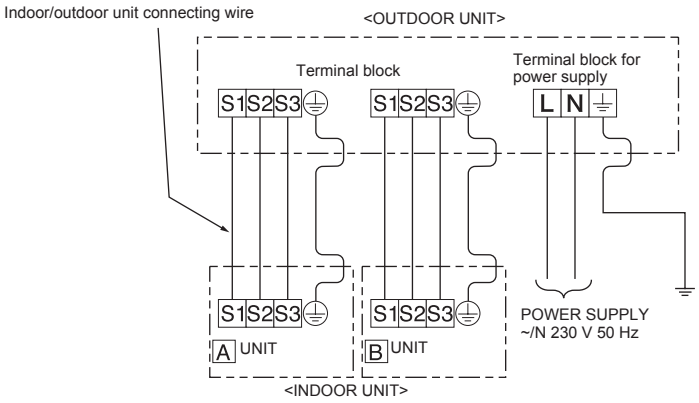
2. OUTDOOR UNIT INSTALLATION

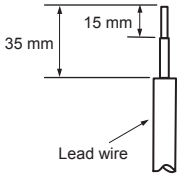
2-1. CONNECTING WIRES FOR OUTDOOR UNIT

1) Remove the service panel.
2) Loosen terminal screw, and connect indoor/outdoor unit connecting wire (B) from the indoor unit correctly on the terminal block. Be careful not to make mis-wiring. Fix the wire to the terminal block securely so that no part of its core is appeared, and no external force is conveyed to the connecting section of the terminal block.
3) Firmly tighten the terminal screws to prevent them from loosening. After tightening, pull the wires lightly to confirm that they do not move.
4) Perform 2) and 3) for each indoor unit.
5) Connect power supply cord (A).
6) Fix indoor/outdoor unit connecting wire (B) and power supply cord (A) with the cable clamps.
7) Close the service panel securely. Make sure that 3-2. PIPE CONNECTION is completed.

- After making connections between both power supply cord (A) and indoor/outdoor unit connecting wire (B), be sure to fix both cable and wire with cable clamps.







- Be sure to attach each screw to its correspondent terminal when securing the cord and/or the wire to the terminal block.
- Make earth wire a little longer than others. (More than 35 mm)
- For future servicing, give extra length to the connecting wires.

3. FLARING WORK AND PIPE CONNECTION

3-1. FLARING WORK

1) Cut the copper pipe correctly with pipe cutter. (Fig. 1, 2)
2) Completely remove all burrs from the cut cross section of pipe. (Fig. 3)
   - Aim the copper pipe downward while removing burrs to prevent burrs from dropping in the pipe.
3) Remove flare nuts attached to indoor and outdoor units, then put them on pipe having completed burr removal. (Not possible to put them on after flaring work.)
4) Flaring work (Fig. 4, 5). Firmly hold copper pipe in the dimension shown in the table. Select A mm from the table according to the tool selected.
5) Check
   - Compare the flared work with Fig. 6.
   - If flare is noted to be defective, cut off the flared section and do flaring work again.

Pipe diameter (mm)	Nut (mm)	A (mm)			Tightening torque	
		Clutch type tool for R410A	Clutch type tool for R22	Wing nut type tool for R22	N•m	kgf•cm
ø6.35 (1/4")	17	0 to 0.5	1.0 to 1.5	1.5 to 2.0	13.7 to 17.7	140 to 180
ø9.52 (3/8")	22				34.3 to 41.2	350 to 420
ø12.7 (1/2")	26			2.0 to 2.5	49.0 to 56.4	500 to 575
ø15.88 (5/8")	29				73.5 to 78.4	750 to 800

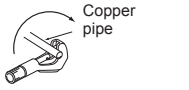


Fig. 1

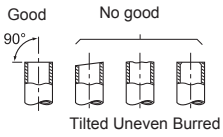


Fig. 2

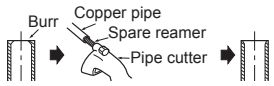


Fig. 3

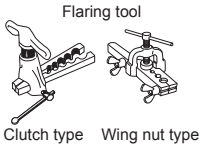


Fig. 4

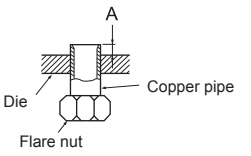


Fig. 5

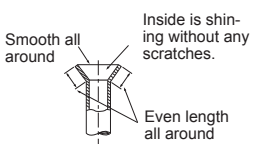


Fig. 6

3-2. PIPE CONNECTION

1) Apply a thin coat of refrigeration oil (G) to the flared ends of the pipes and the pipe connections of the outdoor unit.
2) Align the center of the pipe with that of the pipe connections of the outdoor unit, then hand tighten the flare nut 3 to 4 turns.
3) Tighten the flare nut with a torque wrench as specified in the table.
   • Over-tightening may cause damage to the flare nut, resulting in refrigerant leakage.
   • Be sure to wrap insulation around the piping. Direct contact with the bare piping may result in burns or frostbite.

⚠ WARNING

When installing the unit, securely connect the refrigerant pipes before starting the compressor.

3-3. INSULATION AND TAPING

1) Cover piping joints with pipe cover.
2) For outdoor unit side, surely insulate every piping including valves.
3) Using piping tape (E), apply taping starting from the entry of outdoor unit.
   • Stop the end of piping tape (E) with tape (with adhesive agent attached).
   • When piping have to be arranged through above ceiling, closet or where the temperature and humidity are high, wind additional commercially sold insulation to prevent condensation.

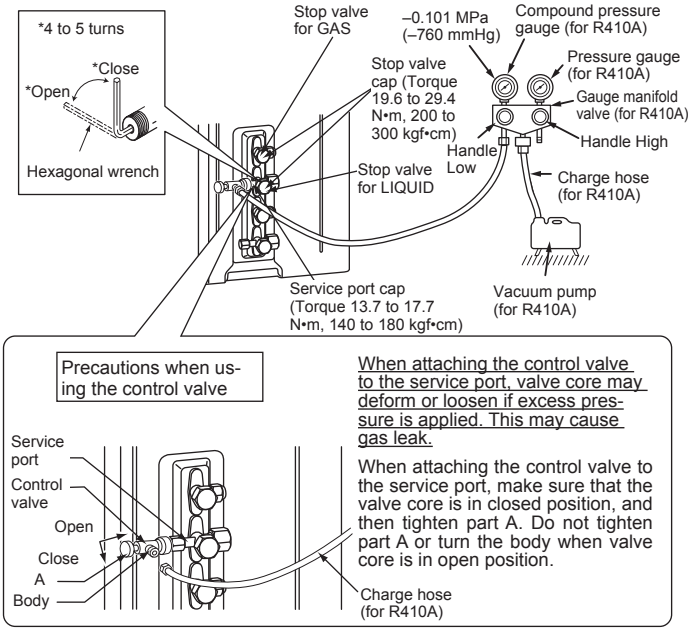
⚠ CAUTION

When there are the ports which are not used, make sure their nuts are tightened securely.

4. PURGING PROCEDURES, LEAK TEST, AND TEST RUN

4-1. PURGING PROCEDURES AND LEAK TEST

1) Remove service port cap of stop valve on the side of the outdoor unit gas pipe. (The stop valves are fully closed and covered in caps in their initial state.)
2) Connect gauge manifold valve and vacuum pump to service port of stop valve on the gas pipe side of the outdoor unit.
3) Run the vacuum pump. (Vacuumize for more than 15 minutes.)
4) Check the vacuum with gauge manifold valve, then close gauge manifold valve, and stop the vacuum pump.
5) Leave as it is for one or two minutes. Make sure the pointer of gauge manifold valve remains in the same position. Confirm that pressure gauge shows -0.101 MPa [Gauge] (-760 mmHg).
6) Remove gauge manifold valve quickly from service port of stop valve.
7) Fully open all stop valves on the gas pipe and the liquid pipe. Operating without fully opening lowers the performance and this causes trouble.
8) Refer to 1-2., and charge the prescribed amount of refrigerant if needed. Be sure to charge slowly with liquid refrigerant. Otherwise, composition of the refrigerant in the system may be changed and affect performance of the air conditioner.
9) Tighten cap of service port to obtain the initial status.
10) Leak test



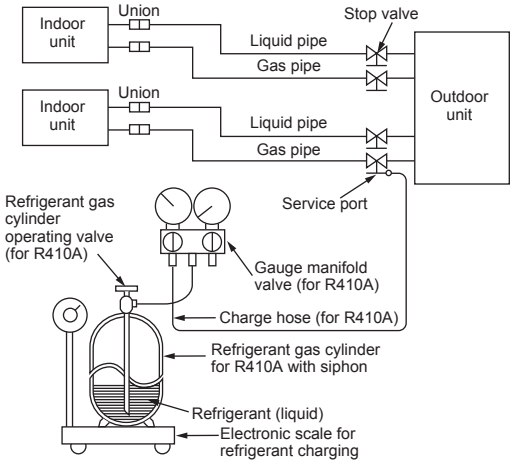
4-2. GAS CHARGE

Perform gas charge to unit.

1) Connect gas cylinder to the service port of stop valve.
2) Perform air purge of the pipe (or hose) coming from refrigerant gas cylinder.
3) Replenish specified amount of the refrigerant, while operating the air conditioner for cooling.

Note:
In case of adding refrigerant, comply with the quantity specified for the refrigerating cycle.

CAUTION:
When charging the refrigerant system with additional refrigerant, be sure to use liquid refrigerant. Adding gas refrigerant may change the composition of the refrigerant in the system and affect normal operation of the air conditioner. Also, charge the liquid refrigerant slowly, otherwise the compressor will be locked.
To maintain the high pressure of the gas cylinder, warm the gas cylinder with warm water (under 40°C) during cold season. But never use naked fire or steam.



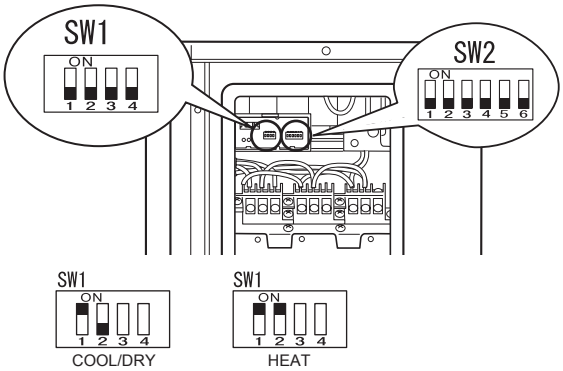
4-3. LOCKING THE OPERATION MODE OF THE AIR CONDITIONER (COOL, DRY, HEAT)

- Description of the function:
  With this function, once the operation mode is locked to either COOL/DRY mode or HEAT mode, the air conditioner operates in that mode only.

* Changing the setting is required to activate this function. Please explain about this function to your customers and ask them whether they want to use it.

[How to lock the operation mode]

1) Be sure to turn off the main power for the air conditioner before making the setting.
2) Set the "1" of SW1 on the outdoor display board to ON to enable this function.
3) To lock the operation mode in COOL/DRY mode, set the "2" of SW1 on the outdoor display board to OFF. To lock the operation in HEAT mode, set the same switch to ON.
4) Turn on the main power for the air conditioner.



COOL/DRY HEAT

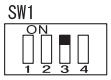
4-4. LOWERING THE OPERATION NOISE OF THE OUTDOOR UNIT

- Description of the function:
  With this function, the operating noise of the outdoor unit can be lowered by reducing the operation load, for example, during nighttime in COOL mode. However, please note that the cooling and heating capacity may lower if this function is activated.

* Changing the setting is required to activate this function. Please explain about this function to your customers and ask them whether they want to use it.

[How to lower the operating noise]

1) Be sure to turn off the main power for the air conditioner before making the setting.
2) Set the "3" of SW1 on the outdoor display board to ON to enable this function.
3) Turn on the main power for the air conditioner.



Lower the operating noise

4-5. TEST RUN

- Test runs of the indoor units should be performed individually. See the installation manual coming with the indoor unit, and make sure all the units operate properly.
- If the test run with all the units is performed at once, possible erroneous connections of the refrigerant pipes and the indoor/outdoor unit connecting wires cannot be detected. Thus, be sure to perform the test run one by one.

Make sure that the following is done.

- Power is supplied to the unit.
- Stop valves are open.

About the restart protective mechanism

Once the compressor stops, the restart preventive device operates so the compressor will not operate for 3 minutes to protect the air conditioner.

4-6. EXPLANATION TO THE USER

- Using the OPERATING INSTRUCTIONS, explain to the user how to use the air conditioner (how to use the remote controller, how to remove the air filters, how to remove or put the remote controller in the remote controller holder, how to clean, precautions for operation, etc.).
- Recommend the user to read the OPERATING INSTRUCTIONS carefully.

5. PUMPING DOWN

When relocating or disposing of the air conditioner, pump down the system following the procedure below so that no refrigerant is released into the atmosphere.

1) Turn off the breaker.
2) Connect the gauge manifold valve to the service port of the stop valve on the gas pipe side of the outdoor unit.
3) Fully close the stop valve on the liquid pipe side of the outdoor unit.
4) Turn on the breaker.
5) Start the emergency COOL operation on all the indoor units.
6) When the pressure gauge shows 0.05 to 0 MPa [Gauge] (approx. 0.5 to 0 kgf/cm^2), fully close the stop valve on the gas pipe side of the outdoor unit and stop the operation. (Refer to the indoor unit installation manual about the method for stopping the operation.)
   * If too much refrigerant has been added to the air conditioner system, the pressure may not drop to 0.05 MPa [Gauge] (approx. 0.5 kgf/cm^2), or the protection function may operate due to the pressure increase in the high-pressure refrigerant circuit. If this occurs, use a refrigerant collecting device to collect all of the refrigerant in the system, and then recharge the system with the correct amount of refrigerant after the indoor and outdoor units have been relocated.
7) Turn off the breaker. Remove the pressure gauge and the refrigerant piping.

⚠ WARNING

When pumping down the refrigerant, stop the compressor before disconnecting the refrigerant pipes. The compressor may burst and cause injury if any foreign substance, such as air, enters the pipes.

EC DECLARATION OF CONFORMITY
EG-KONFORMITÄTSERKLÄRUNG
DÉCLARATION DE CONFORMITÉ CE
EG-CONFORMITEITSVERKLARING
DECLARACIÓN DE CONFORMIDAD CE
DICHIARAZIONE DI CONFORMITÀ CE
ΔΗΛΩΣΗ ΠΙΣΤΟΤΗΤΑΣ ΕΚ
DECLARAÇÃO DE CONFORMIDADE CE
EU-OVERENSSTEMMELSESERKLÆRING
EG-DEKLARATION OM ÖVERENSSTÄMMELSE
EC UYGUNLUK BEYANI
ДЕКЛАРАЦИЯ СООТВЕТСТВИЯ НОРМАМ ЕС
CE-ERKLÆRING OM SAMSVAR
EY-VAATIMUSTENMUKAISUUSVAKUUTUS
ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ

MITSUBISHI ELECTRIC CONSUMER PRODUCTS (THAILAND) CO., LTD
AMATA NAKORN INDUSTRIAL ESTATE 700/406 MOO 7, TAMBON DON HUA ROH, AMPHUR MUANG, CHONBURI 20000, THAILAND

hereby declares under its sole responsibility that the air conditioners and heat pumps described below for use in residential, commercial and light-industrial environments:
erklärt hiermit auf seine alleinige Verantwortung, dass die Klimaanlagen und Wärmepumpen für das häusliche, kommerzielle und leicht-industrielle Umfeld wie unten beschrieben:
déclare par la présente et sous sa propre responsabilité que les climatiseurs et les pompes à chaleur décrits ci-dessous, destinés à un usage dans des environnements résidentiels, commerciaux et d'industrie légère :
verklaart hierbij onder eigen verantwoordelijkheid dat de voor residentiële, commerciële en licht-industriële omgevingen bestemde airconditioners en warmtepompen zoals onderstaand beschreven:
por la presente declara bajo su única responsabilidad que los acondicionadores de aire y bombas de calor descritas a continuación para su uso en entornos residenciales, comerciales y de industria ligera:
conferma con la presente, sotto la sua esclusiva responsabilità, che i condizionatori d'aria e le pompe di calore descritti di seguito e destinati all'utilizzo in ambienti residenziali, commerciali e semi-industriali:
με το παρόν πιστοποιεί με αποκλειστική της ευθύνη ότι οι τα κλιματιστικά και οι αντλίες θέρμανσης που περιγράφονται παρακάτω για χρήση σε οικιακό, επαγγελματικό και ελαφριάς βιομηχανίας περιβάλλοντα:
através da presente declara sob sua única responsabilidade que os aparelhos de ar condicionado e bombas de calor abaixo descritos para uso residencial, comercial e de indústria ligeira:
erklærer hermed under eneansvar, at de herunder beskrevne airconditionanlæg og varmepumper til brug i privat boligbyggeri, erhvervsområder og inden for let industri:
intygar härmed att luftkonditioneringarna och värmepumparna som beskrivs nedan för användning i bostäder, kommersiella miljöer och lätta industriella miljöer:
ev, ticaret ve hafif sanayi ortamlarında kullanım amaçlı üretilen ve aşağıda açıklanan klima ve ısıtma pompalarıyla ilgili aşağıdaki hususları yalnızca kendi sorumluluğunda beyan eder:
настоящим заявляет и берет на себя исключительную ответственность за то, что кондиционеры и тепловые насосы, описанные ниже и предназначенные для эксплуатации в жилых помещениях, торговых залах и на предприятиях легкой промышленности:
erklærer et fullstendig ansvar for undernevnte klimaanlegg og varmepumper ved bruk i boliger, samt kommersielle og lettindustrielle miljøer:
vakuuttaa täten yksinomaisella vastuullaan, että jäljempänä kuvatut asuinrakennuksiin, pienteollisuuskäyttöön ja kaupalliseen käyttöön tarkoitetut ilmastointilaitteet ja lämpöpumput:
декларира на своя собствена отговорност, че климатиците и термопомпите, описани по-долу, за употреба в жилищни, търговски и леки промишлени условия:

MITSUBISHI ELECTRIC, MXZ-2D33VA, MXZ-2D42VA2, MXZ-2D53VA2, MXZ-2D53VAH2

Note: Its serial number is on the nameplate of the product.
Hinweis: Die Seriennummer befindet sich auf dem Kennschild des Produkts.
Remarque : Le numéro de série de l'appareil se trouve sur la plaque du produit.
Opmerking: het serienummer staat op het naamplaatje van het product.
Nota: El número de serie se encuentra en la placa que contiene el nombre del producto.
Nota: il numero di serie si trova sulla targhetta del prodotto.
Σημείωση: Ο σειριακός του αριθμός βρίσκεται στην πινακίδα ονόματος του προϊόντος.
Nota: o número de série encontra-se na placa que contém o nome do produto.
Bemærk: Serienummeret står på produktets fabriksskilt.
Obs: Serienumret finns på produktens namnplåt.
Not: Seri numarası ürünün isim plakasında yer alır.
Примечание: серийный номер указан на паспортное табличке изделия.
Merk: Serienummeret befinner seg på navneplaten til produktet.
Huomautus: Sarjanumero on merkitty laitteen arvokilpeen.
Забележка: Серийният му номер е на табелката на продукта.

Directives	Direktiver
Richtlinien	Direktiv
Directives	Direktifler
Richtlijnen	Директивы
Directivas	Direktiver
Direttive	Direktiivit
Οδηγίες	Директиви
Directivas	

2014/35/EU: Low Voltage Directive
2006/42/EC: Machinery Directive
2014/30/EU: Electromagnetic Compatibility Directive
2009/125/EC: Energy-related Products Directive and Regulation (EU) No 206/2012
2011/65/EU: RoHS Directive

Issued:	**20 Apr. 2016**	**Akira HIDAKA**
THAILAND		**Manager, Quality Assurance Department**

Importer:

Mitsubishi Electric Europe B.V.
Capronilaan 46, 1119 NS, Schiphol Rijk, The Netherlands

French Branch
25, Boulevard des Bouvets, 92741 Nanterre Cedex, France

German Branch
Mitsubishi-Electric-Platz 1, 40882 Ratingen, Germany

Belgian Branch
Autobaan 2, 8210 Loppem, Belgium

Irish Branch
Westgate Business Park, Ballymount, Dublin 24, Ireland

Italian Branch
Centro Direzionale Colleoni, Palazzo Sirio-Ingresso 1 Viale Colleoni 7, 20864 Agrate Brianza (MB), Italy

Norwegian Branch
Gneisveien 2D, 1914 Ytre Enebakk, Norway

Portuguese Branch
Avda. do Forte, 10, 2799-514, Carnaxide, Lisbon, Portugal

Spanish Branch
Carretera de Rubi 76-80 - Apdo. 420 08173 Sant Cugat del Valles (Barcelona), Spain

Scandinavian Branch
Hammarbacken 14, P.O. Box 750 SE-19127, Sollentuna, Sweden

UK Branch
Travellers Lane, Hatfield, Herts., AL10 8XB, England, U.K.

Polish Branch
Krakowska 50, PL-32-083 Balice, Poland

MITSUBISHI ELECTRIC TURKEY ELEKTRİK ÜRÜNLERI A.Ş.
Şerifali Mah. Kale Sok. No: 41 34775 Ümraniye, İstanbul / Turkey

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BUILDING, 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

BH79A248H02