

## 1. Safety Precautions

- The following is intended for the person responsible for installing or servicing the Solenoid Valve Controller. Before conducting installation or electrical work, be sure to carefully read these "Safety Precautions". Follow instructions exactly in all installation or electrical work.
- The precautions given in this manual consist of specific "Warnings" and "Cautions". They provide important safety related information and are important for your safety, the safety of others, and troublefree operation of the system. Be sure to strictly observe all safety procedures. The labels and their meanings are as described below.

**Warning** This symbol refers to a hazard or unsafe procedure or practice which can result in severe personal injury or death.

**Caution** This symbol refers to a hazard or unsafe procedure or practice which can result in personal injury or product or property damage.

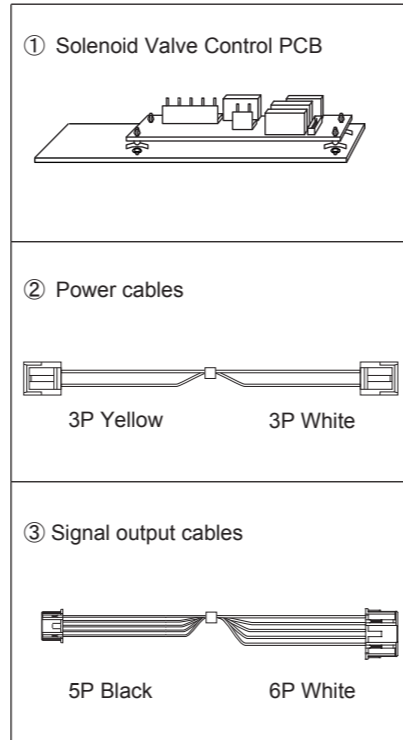
### Warning

- Be sure to arrange installation at the dealer where the system was purchased or use a professional installer. Leaks, electric shock or fire may result if an inexperienced person performs any installation or wiring procedures incorrectly.
- Be sure to turn off the power source circuit breaker of the unit before installation or wiring. High electrical voltages used in the unit may cause electric shock.
- Only a qualified electrician should attempt to install this system, in accordance with the provisions of the Technical standards for Electrical Installations, local regulations for indoor wirings and these "Installation (Electric) and Service Instructions". Be sure to use a dedicated electrical circuit.
- Insufficient electrical circuit capacity may cause electric shock or fire.
- Use the specified cables (type and wiring diameter) for the electrical connections, and securely connect the cables. Run and fasten the cables securely so that external forces or pressure placed on the cables will not be transmitted to the connection terminals. Overheating or fire may result if connections or attachments are not secure.
- Install in a location that is fully strong enough to support the weight of the unit. If it is not strong enough, the unit may fall, resulting in injury.
- Ventilate the work area if cooling gas leaks during installation. Poisonous gas can result if cooling gas comes into contact with fire.
- After installation, check to be sure that there are no gas leaks. Poisonous gas can result if cooling gas leaks into the room and comes into contact with a fan heater, stove, range, or other source of fire.

### Caution

- Do not install in a location subject to leakage of flammable gasses. Fire can result if gas builds up around the unit.

## 2. Supplied Parts



## 4. Installation

### 1. How to remove the grille

- Remove the two screw covers below the grille and open the front panel. (Fig.1)
- Remove the six screws. (Fig.1)
- Remove the terminal block cover. (Fig.1)
- Warp the lower flap to take out the pins and remove the lower flap. (Fig.2)

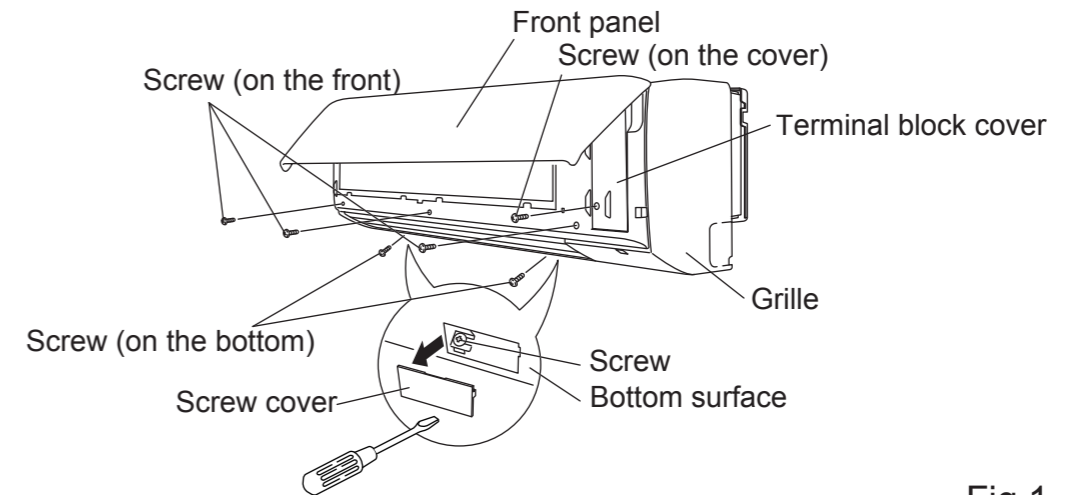


Fig.1

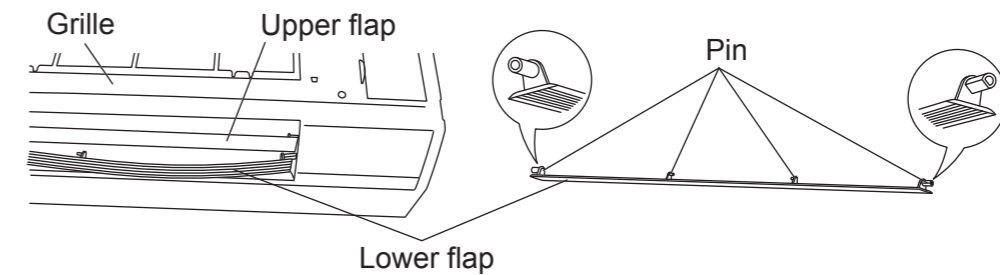


Fig.2

- Hold the both sides of the grille and pull upwards to remove from the frame. (Fig.3)
- Remove the electrical component box cover. (Fig.4)

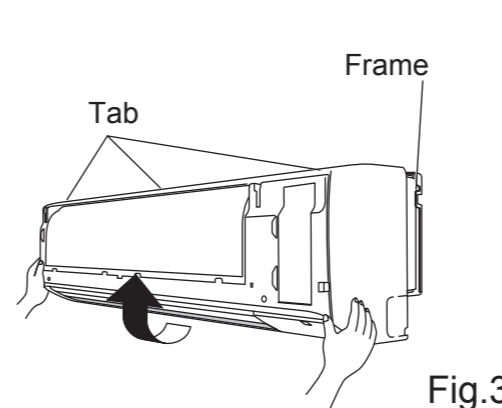


Fig.3

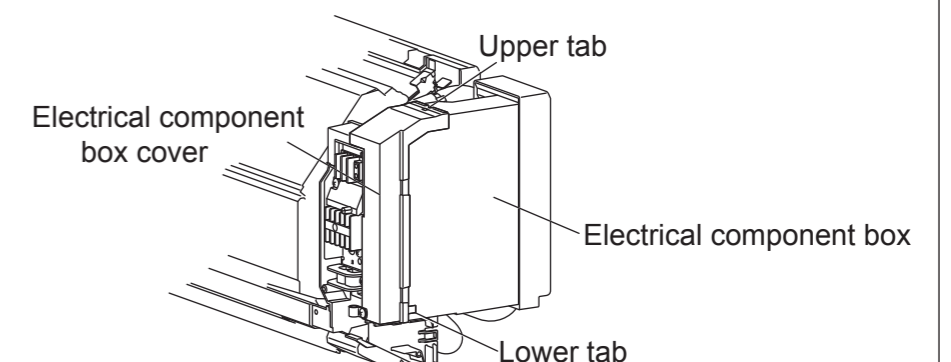
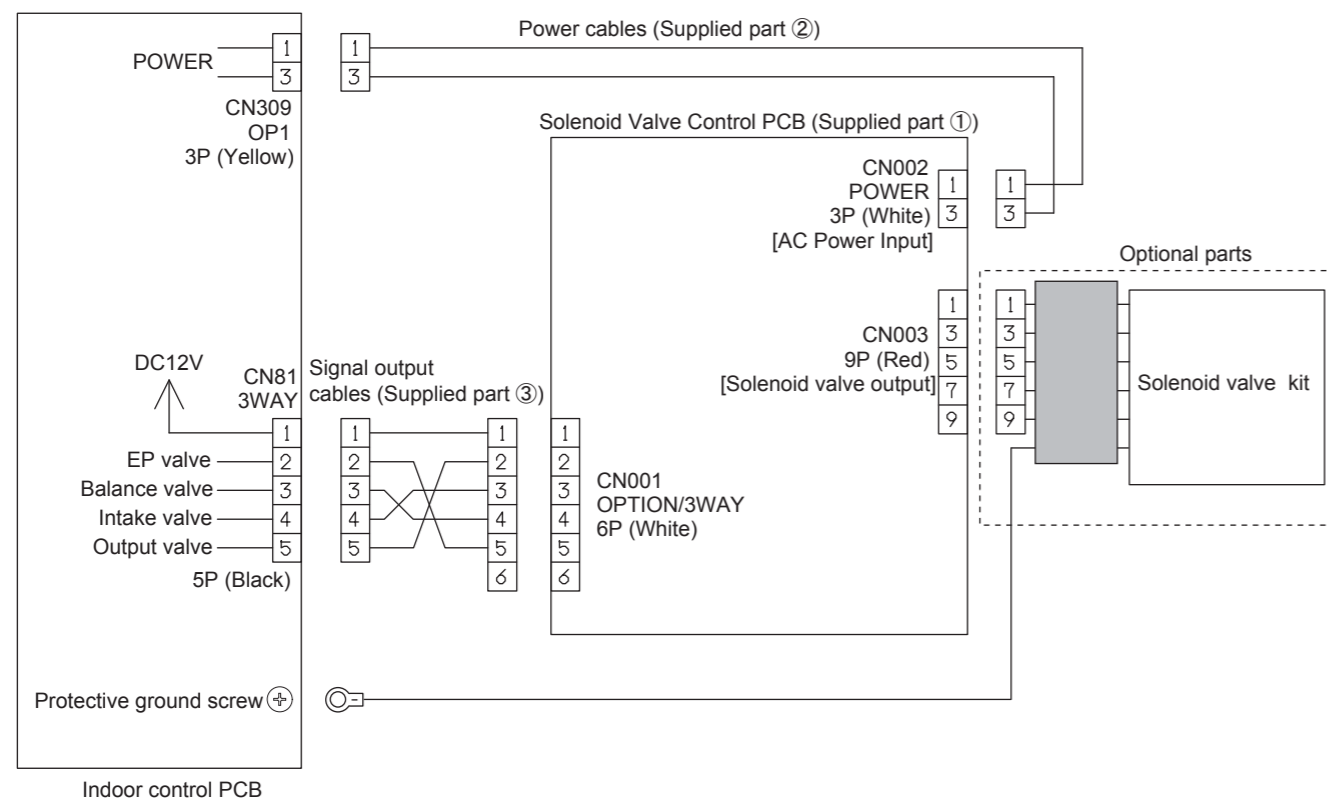


Fig.4

## 3. Wiring Diagram

- Connect to the indoor control PCB with Power cable (Supplied part ②) and Signal output cable (Supplied part ③)
- The connected solenoid valve is a solenoid valve kit.



## 2. How to install the board

- Disconnect the CN033 (White), CN103 (Green), CN102 (Red), CN100 (White), CN082 (White), CN104 (Yellow) connectors from the indoor control PCB and take out the indoor control PCB. (Fig.5)
- \* When you take out the indoor control PCB, lift the tab holding the indoor control PCB. (Fig.6)
- Connect the 3P connector (yellow) of the power cables (supplied part ②) to the CN309 OP1 connector (yellow) on the indoor control PCB. (Fig.5)
- Connect the 5P connector (black) of the signal output cables (supplied part ③) to the CN081 3WAY connector (black) on the indoor control PCB. (Fig.5)
- Connect the removed connectors to their original positions on the indoor control PCB and insert the PCB. (Fig.5)
- \* Be sure to connect all the connectors.

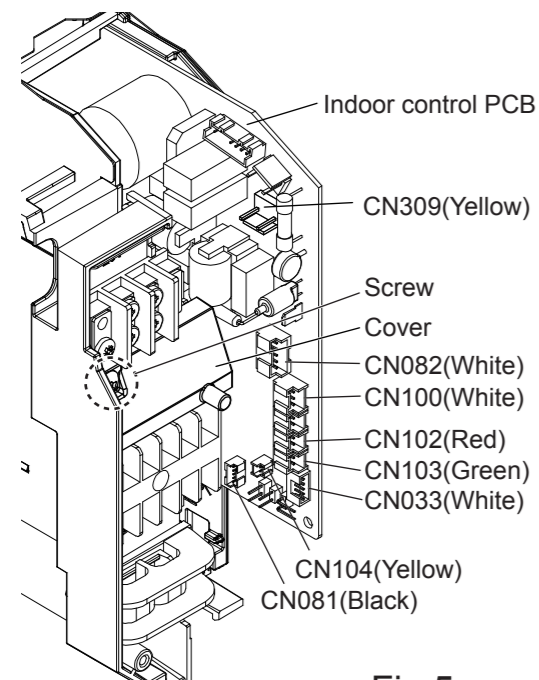


Fig.5

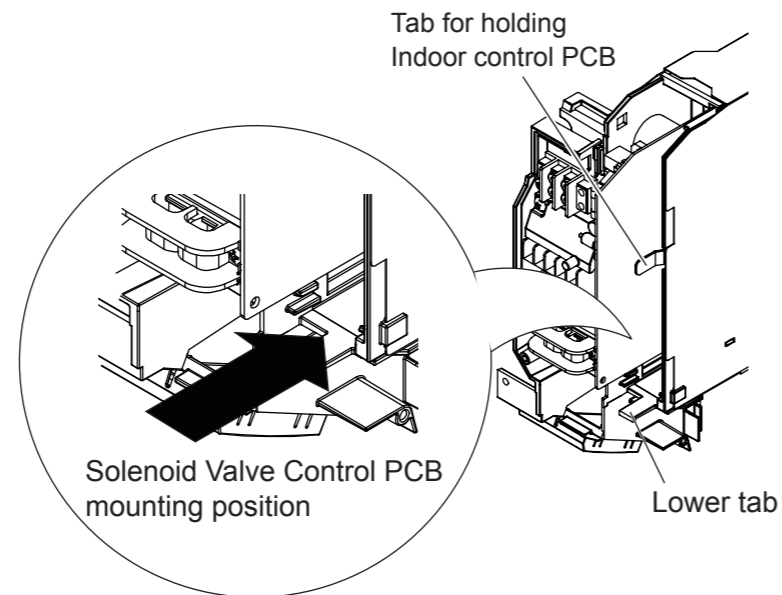


Fig.6

- Remove the screw and the cover.(Fig.5)
- Connect the solenoid valve kit ground wire to the indoor unit ground wire mounting position. Also connect the 9P connector (red) of the solenoid valve kit to the CN003 9P connector (red) on the solenoid valve control PCB. (Fig.7, 8)
- Connect the 3P connector (white) of the power cables (supplied part ②) to the CN002 POWER connector (white) on the solenoid valve control PCB (supplied part ①) (Fig.7)
- Connect the 6P connector (white) of the signal output cables (supplied part ③) to the CN001 3WAY connector (white) on the solenoid valve control PCB.(Fig.7 )
- Insert the solenoid valve control PCB into its mounting position. (Fig.6)
- \* Pay attention to the insertion direction of the solenoid valve control PCB. (Fig.7)
- Hook the upper tab of the electrical component box cover to the electrical component box first, and then fit the lower tab. (Fig.4, 6)
- \* Pay attention not to catch the wires in the electrical component box cover.
- Clamp the wiring from the solenoid valve kit. (Fig.8)
- Attach the screw and the cover.(Fig.5)

## 3. How to attach the grille

- Fit the grille to the three tabs on the upper part of the frame and attach the grille. (Fig.3)
- Press the grille to its original position.Attach six screws and two screw covers. (Fig.1)
- \* For the screws on the front, attach screws in turn from the electrical component box side.
- Warp the lower flap and fit the pins to the grooves on the grille to attach the flap. (Fig.2)
- Close the front panel. (Fig.1)

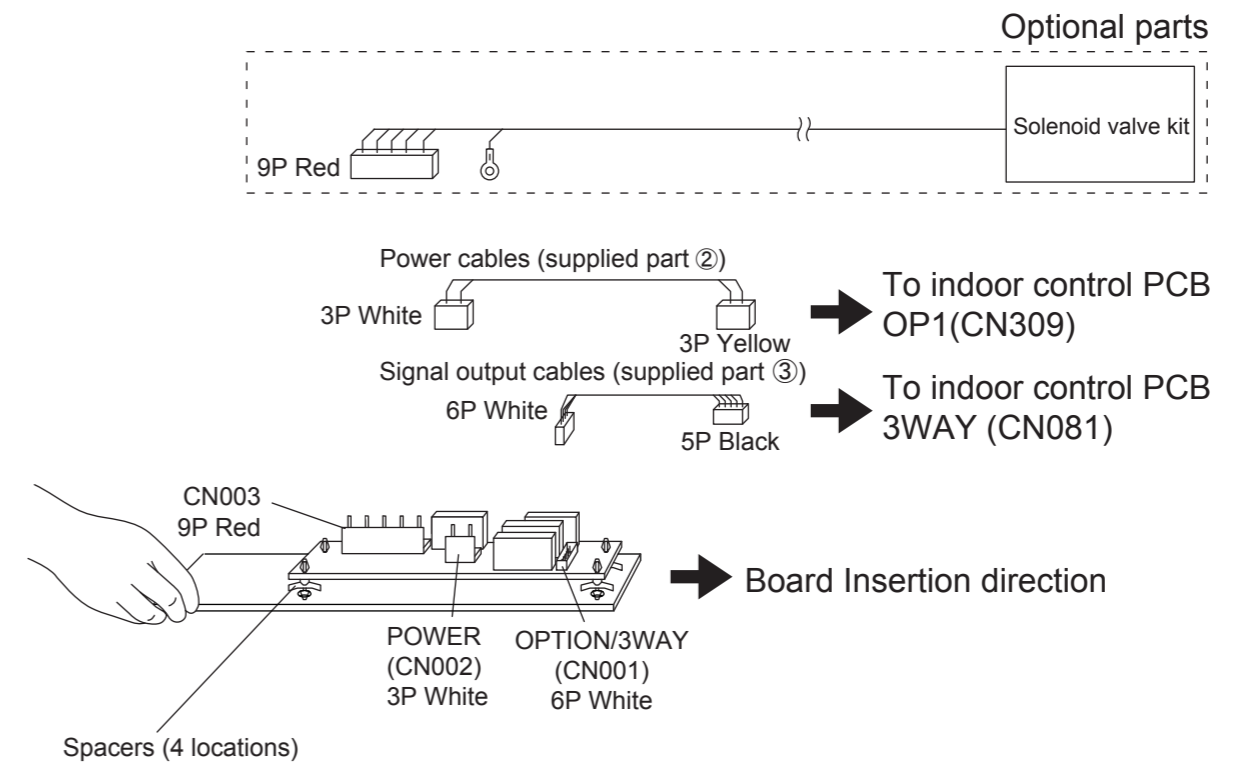


Fig.7

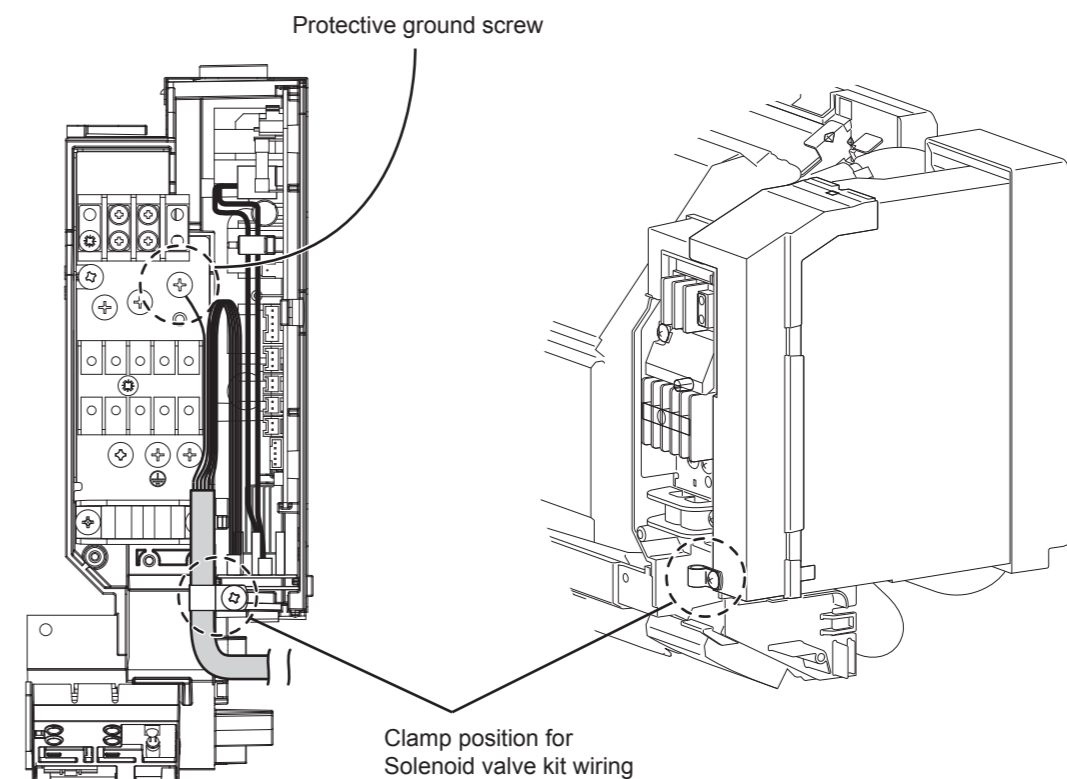


Fig.8