

SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

ROOM AIR CONDITIONER

FLOOR CONSOLE/
UNDER CEILING DUAL TYPE

(COOLING MODEL)
(HEAT & COOL MODEL)

C O N T E N T S

(1) INTAKE GRILLE REMOVAL	1
(2) COVER PLATE(R)/(L) REMOVAL	1
(3) TOP COVER REMOVAL	3
(4) PANEL REMOVAL	3
(5) FLAP BASE REMOVAL	4
(6) STEP MOTOR-H REMOVAL	5
(7) STEP MOTOR-V REMOVAL	6
(8) INDICATOR PCB REMOVAL	7
(9) DRAIN PAN REMOVAL	8
(10) PIPE THERMISTOR REMOVAL	10
(11) EVAPORATOR REMOVAL	11
(12) FAN MOTOR REMOVAL	12
(13) ELECTRIC COMPONENT BOX REMOVAL	14
(14) FLAP BASE INSTALLATION	17
(15) PANEL INSTALLATION	17

(5) How to disassemble the flap base assembly

1. Hold down the panel assembly, lift the reinforcing plate of the flap base assembly in the direction indicated by the arrow, and remove the four claws at the bottom of the panel. Figure (5)-1
2. Remove the four claws at the top of the panel. Figure (5)-2
3. Remove the flap base assembly.

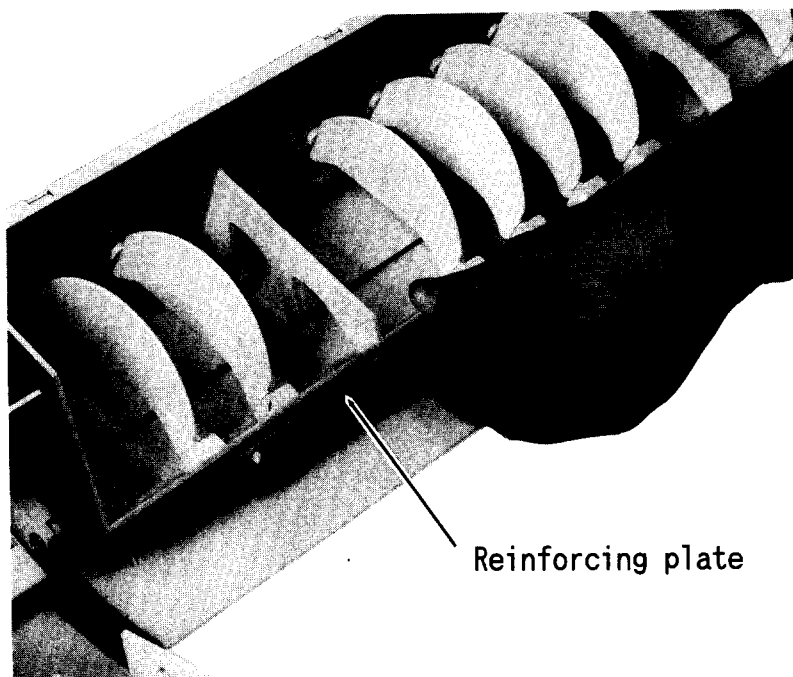


Fig. (5)-1

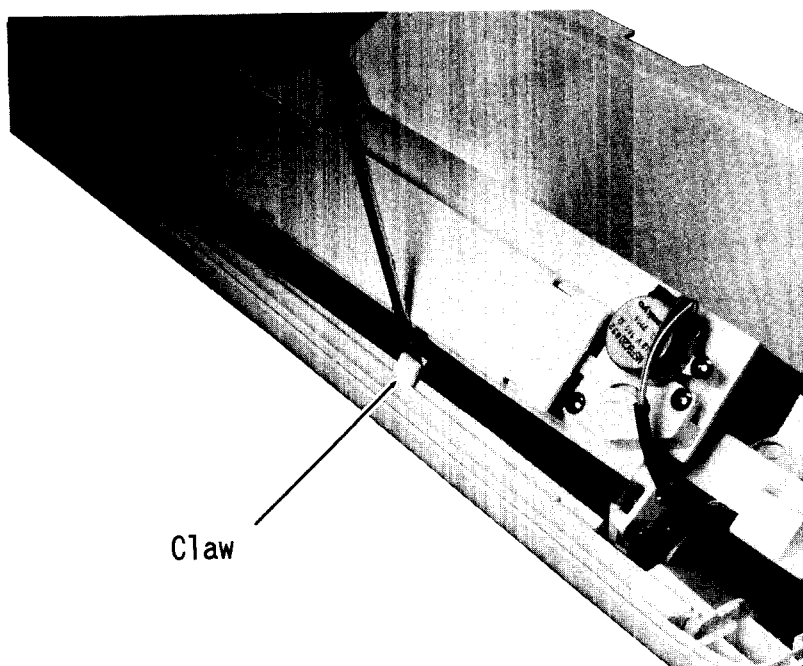


Fig. (5)-2

(6) How to disassemble step motor H

1. Remove the two louver link cover mounting screws. Figure (6)-1
2. Remove the louver link cover.
3. Remove the two step motor H mounting screws. Figure (6)-2
4. Remove step motor H from the louver link assembly.

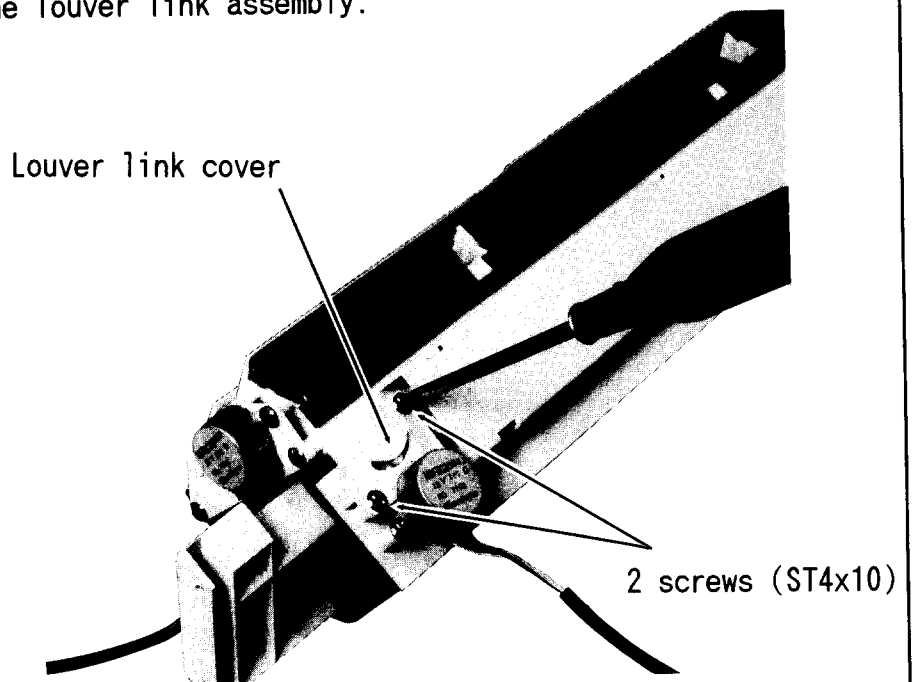


Fig. (6)-1

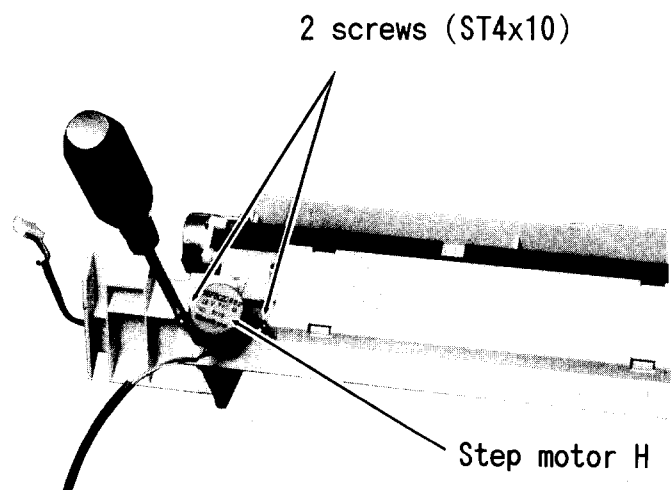


Fig. (6)-2

(7) How to disassemble step motor V

1. Remove the two motor base assembly mounting screws. Figure (7)-1
2. Remove the motor base assembly.
3. Remove the one step motor V mounting screw. Figure (7)-2
4. Remove upper flap link, lower flap link, and rod A. Figure (7)-3
5. Remove the step motor V.

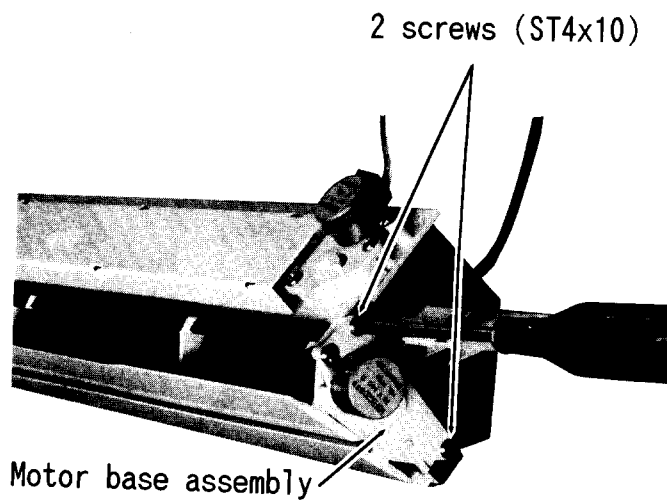


Fig. (7)-1

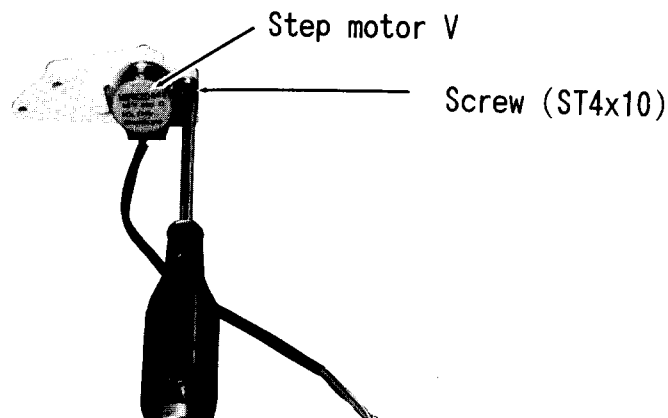


Fig. (7)-2

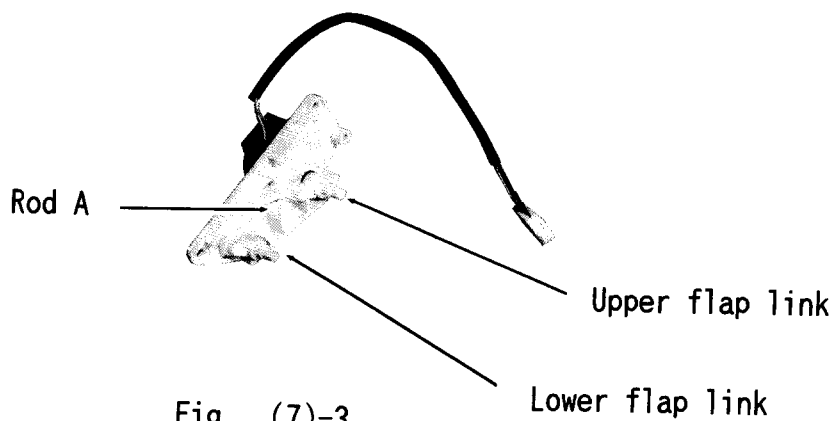


Fig. (7)-3

(8) How to disassembly the indicator p.c.board

1. Remove the three p.c.board holder mounting screws. Figure (8)-1
2. Remove the p.c.board holder claws in two places. Figure (8)-2
3. Remove the indicator p.c.board.

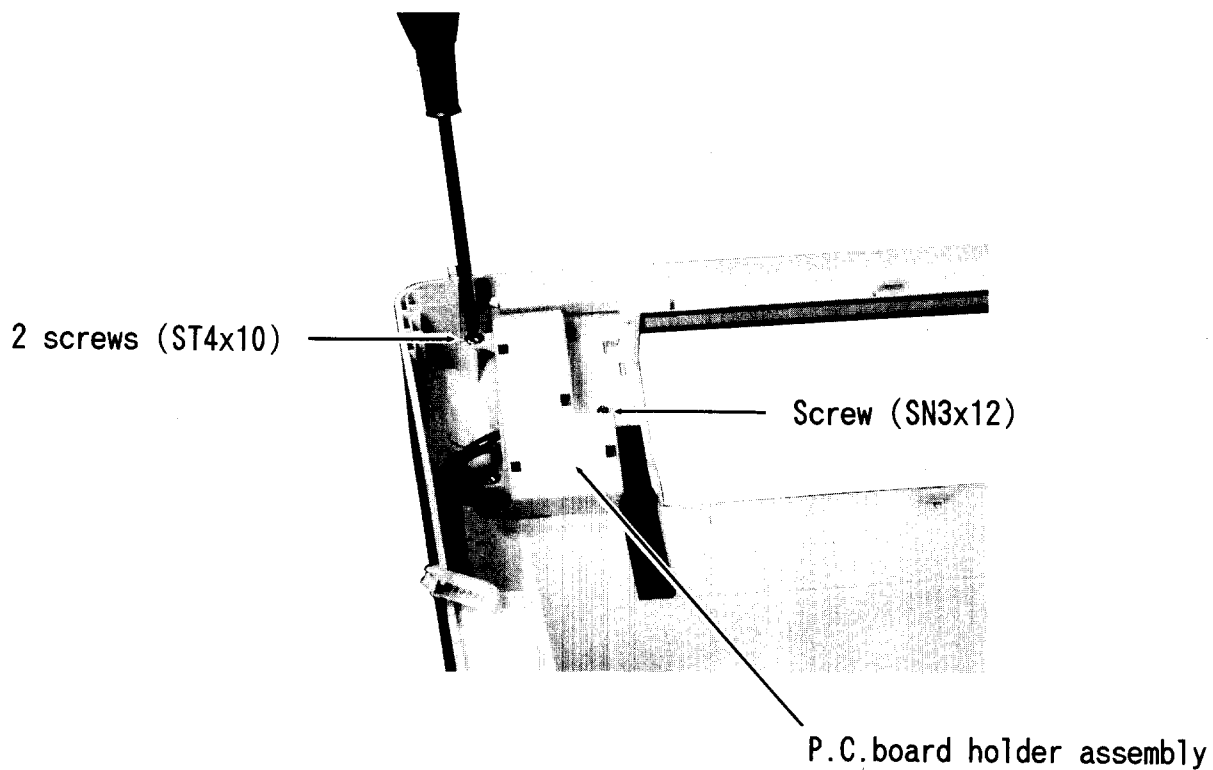


Fig. (8)-1

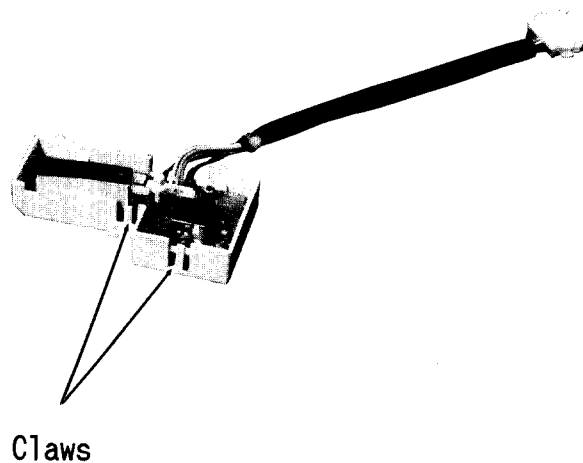


Fig. (8)-2

(9) How to disassemble the drain pan subassembly

1. Remove casing seal material C. Figure (9)-1
2. Remove the flap base insulation material. Figure (9)-2
3. Remove one screw each on the left and right of the drain pan fixing wire, and remove the drain pan fixing wire. Figure (9)-3
4. Remove the two screws each on the left and right of the partition plate subassembly and the two mounting screws of the piping unit, and simultaneously remove the partition plate subassembly and the drain pan subassembly [the protector must be removed Fig. (12)-3] Figure (9)-4, -5

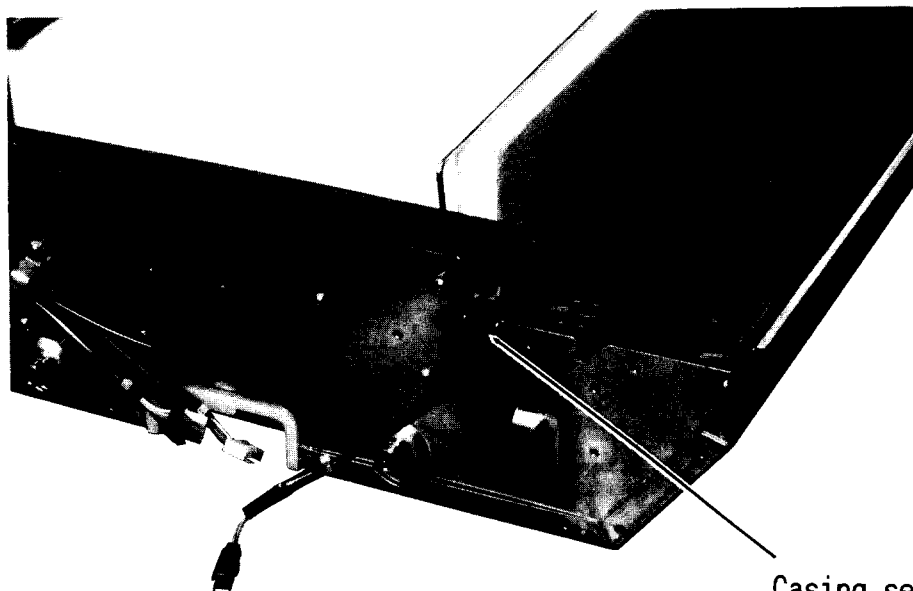


Fig. (9)-1

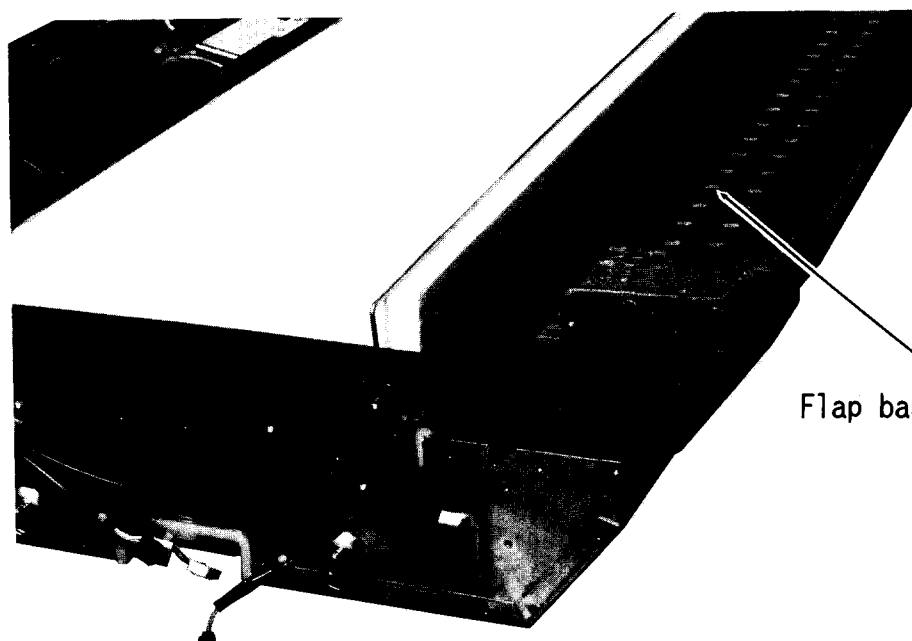


Fig. (9)-2

Fig. (9)-3

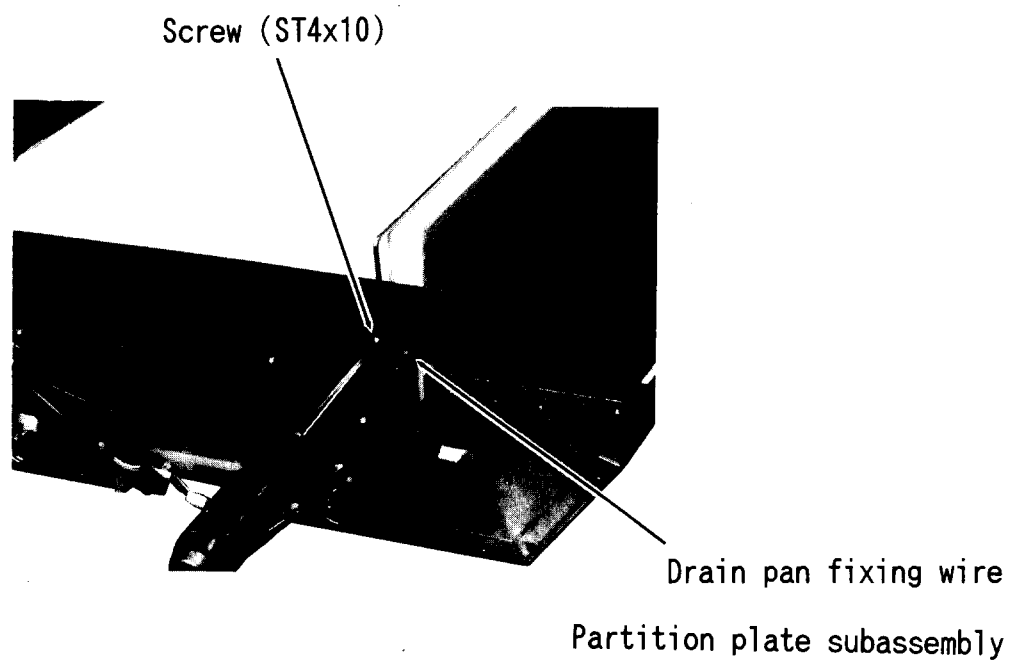


Fig. (9)-4

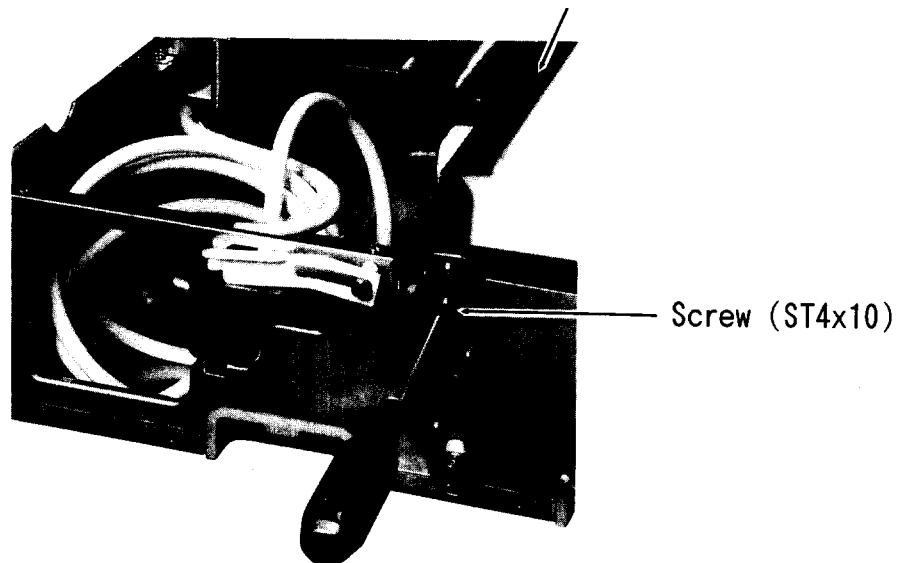


Fig. (9)-5



(10) How to remove the piping thermistor

1. Remove the four screws of the evaporator bracket (EVA) R, and remove the bracket. Figure (10)-1.
2. Remove the thermo spring, and take out the piping thermistor.

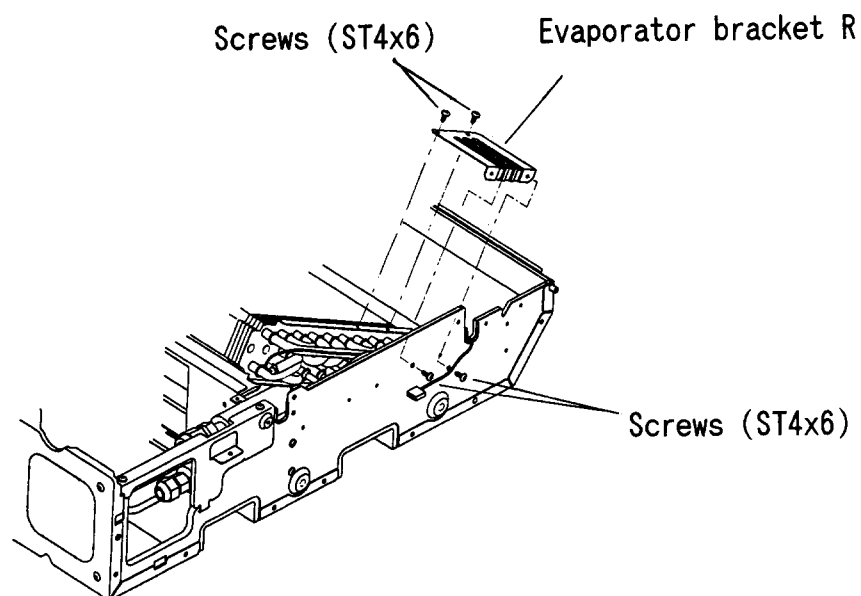


Fig. (10)-1

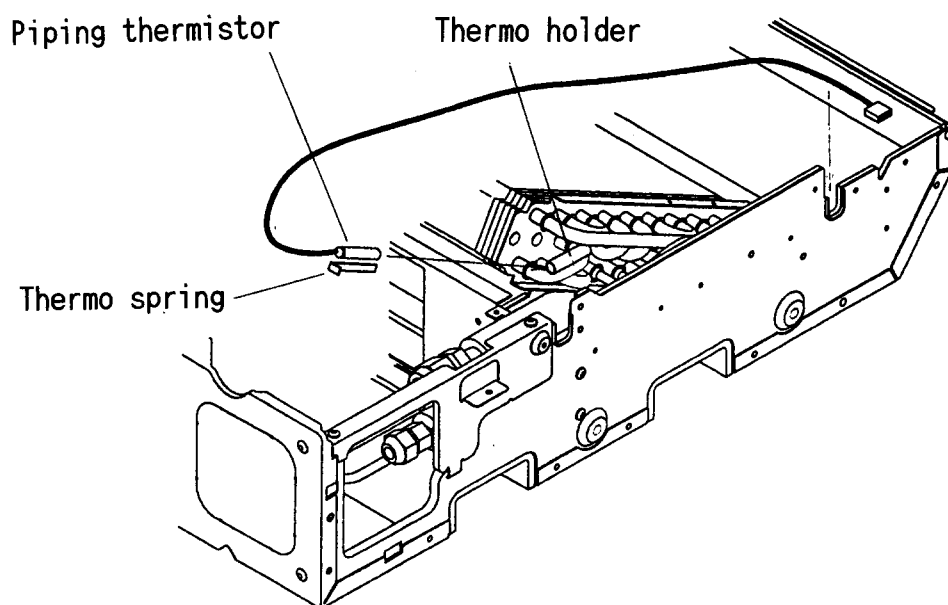


Fig. (10)-2

(11) How to remove the evaporator subassembly

1. Remove the four screws each on the left and right of the evaporator mounting brackets R and L, and remove the evaporator brackets R and L. Figure (11)-1
2. Remove one screw each on right and left of the evaporator mounting base. Figure (11)-2
3. Remove one bolt each on left and right. Figure (11)-3
4. Remove the evaporator subassembly. Figure (11)-4

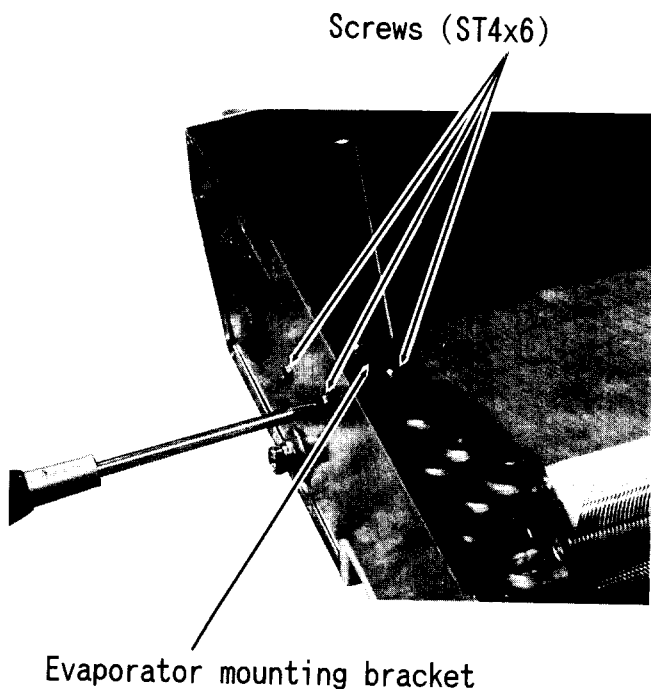


Figure (11)-1

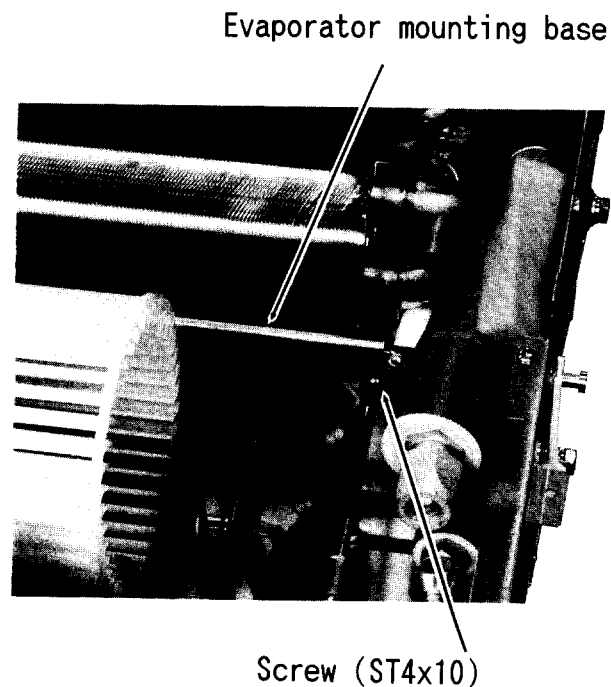


Figure (11)-2

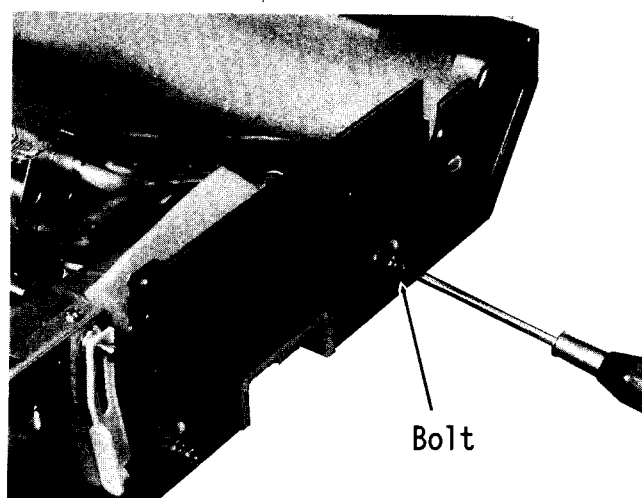


Figure (11)-3

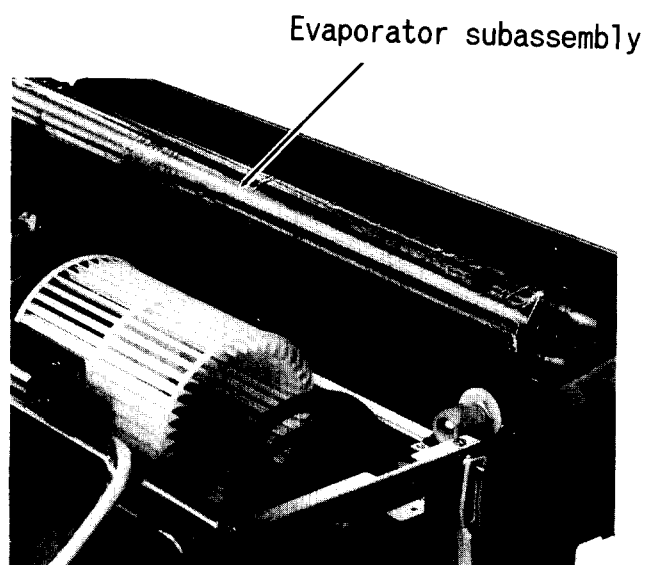
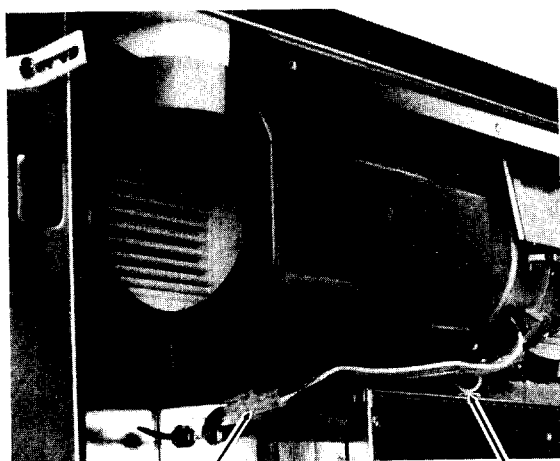


Figure (11)-4

(12) How to remove the fan motor

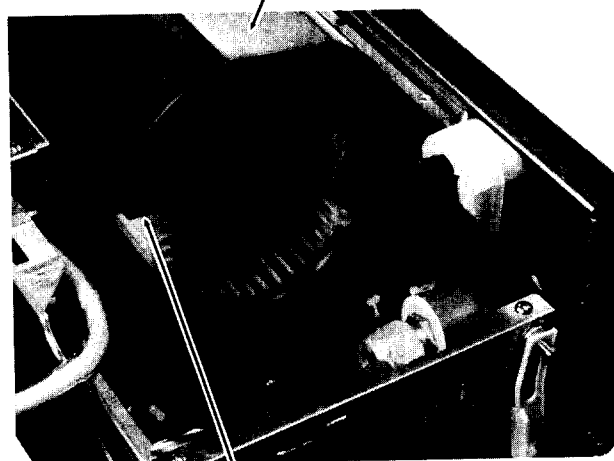
1. Unhitch the fan motor connector and free it from the clamp. Fig.(12)-1
2. Release the casing cover lock and remove the casing cover. Fig.(12)-2
3. Remove the protector's two mounting screws, and take out the protector. Fig.(12)-3
4. Remove the two mounting screws of the motor bracket, and take out the motor bracket.
5. Remove the fan motor's grounding fixing screw. Fig.(12)-4
6. Take out the fan motor.
7. Loosen the tightening screws of the sirocco fans, and take out the two sirocco fans. Fig.(12)-5



Fan motor connector

Clamp

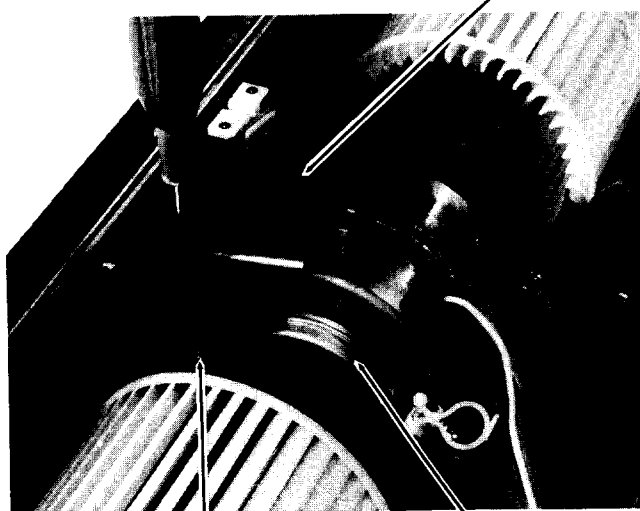
Figure (12)-1



Casing cover

Lock

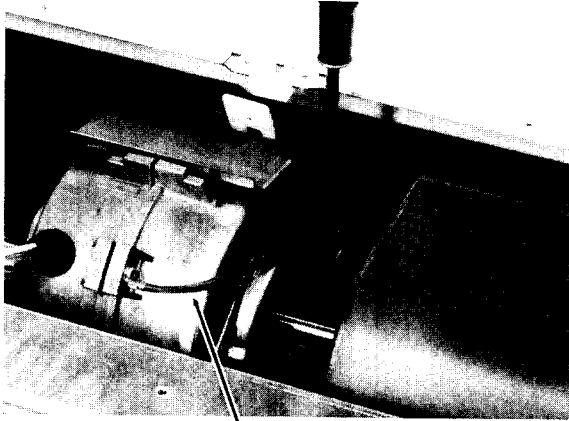
Figure (12)-2



Screw

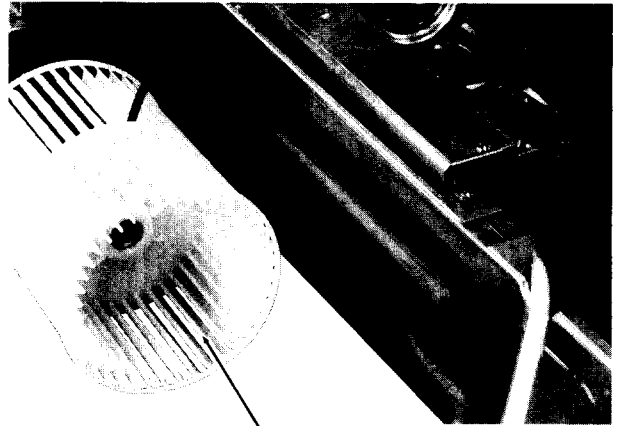
Motor bracket

Figure (12)-3



Fan motor grounding lead

Figure (12)-4

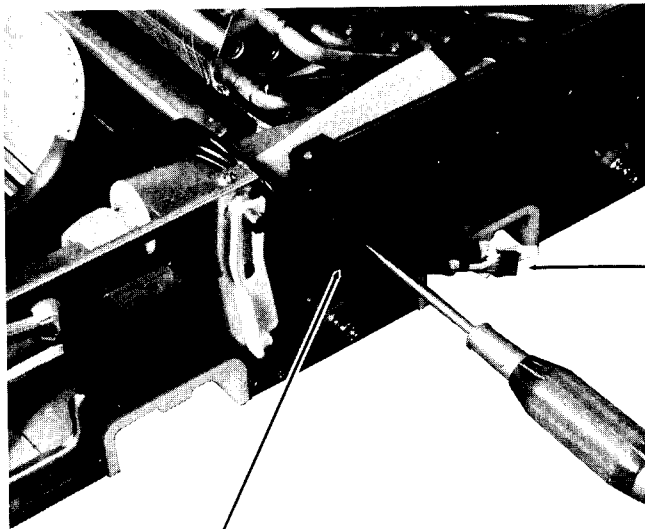


Sirocco fan

Figure (12)-5

(13) How to remove the control box subassembly

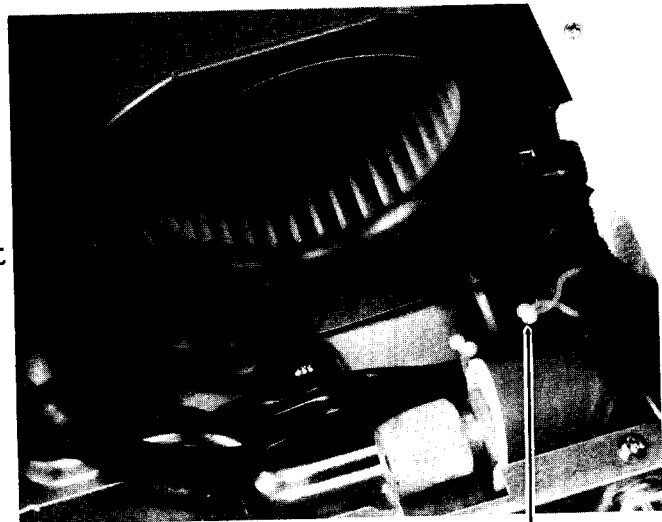
1. Remove all the connection line connectors on the right side of the main unit.
2. Remove the nylon clamp.



Connection line connector

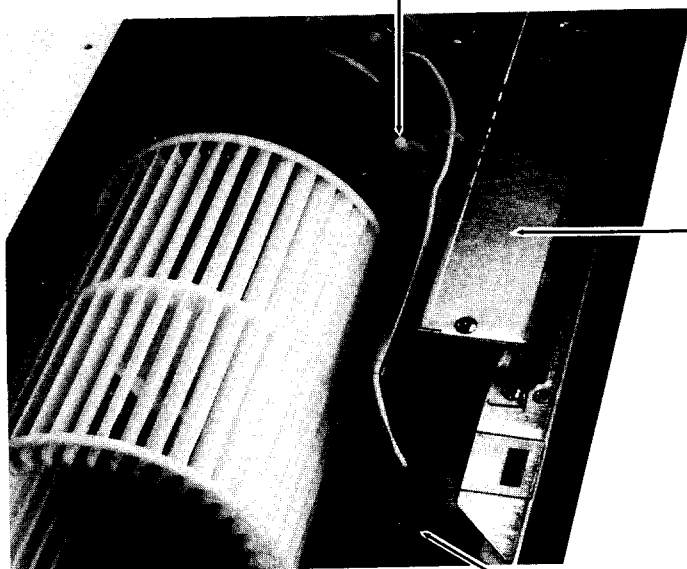
Nylon clamp

3. Remove the clamps that hold the connection lines in place.



Clamp

4. Remove the connectors with the left side of the main unit and with the fan motor.
5. Remove the clamp.

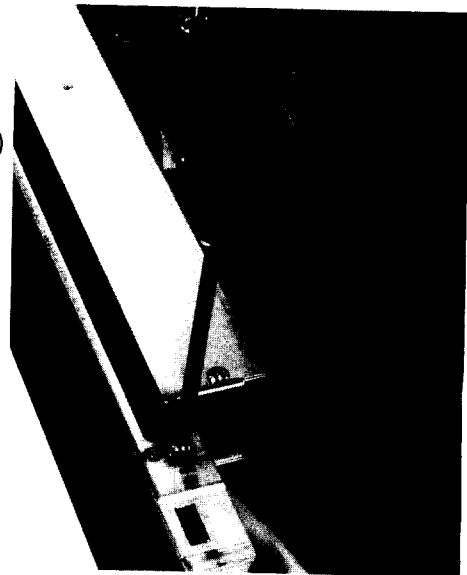
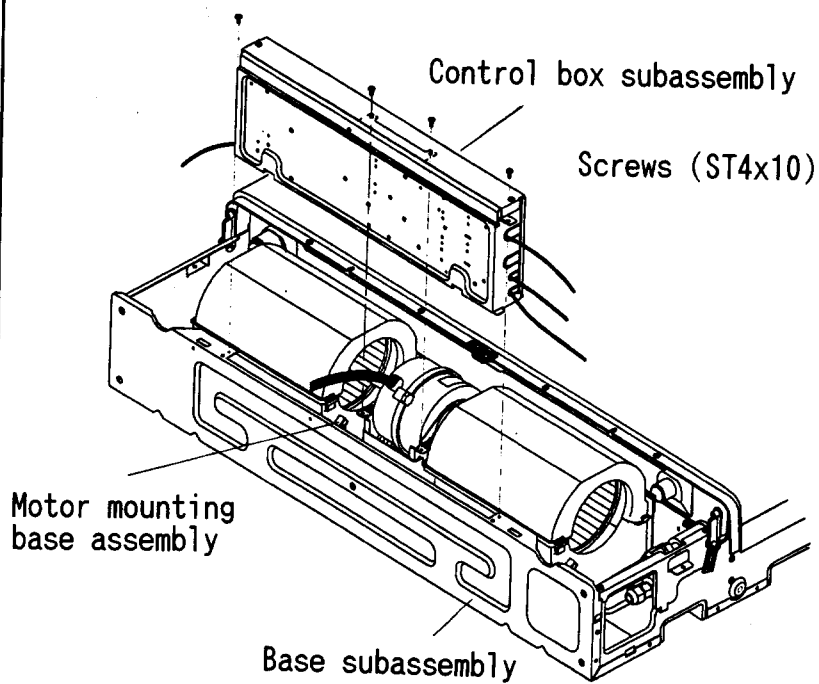


Clamp

Control box

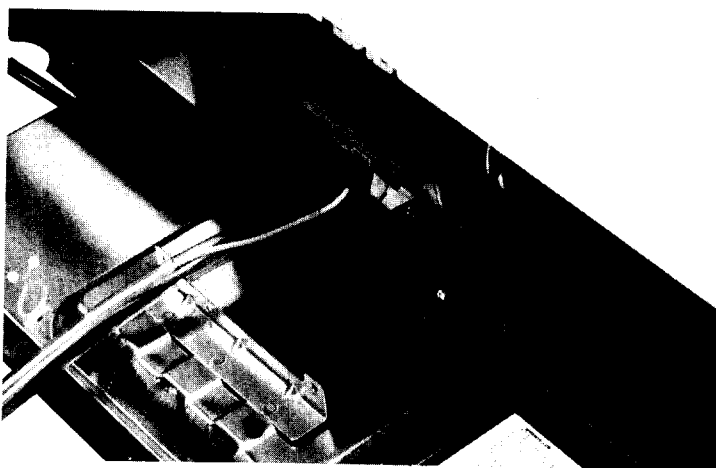
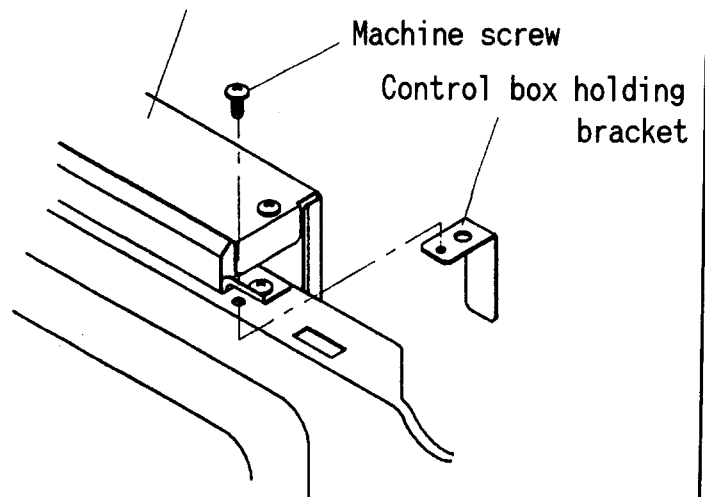
Connector

6. Remove the screws that connect the control box subassembly with the base.



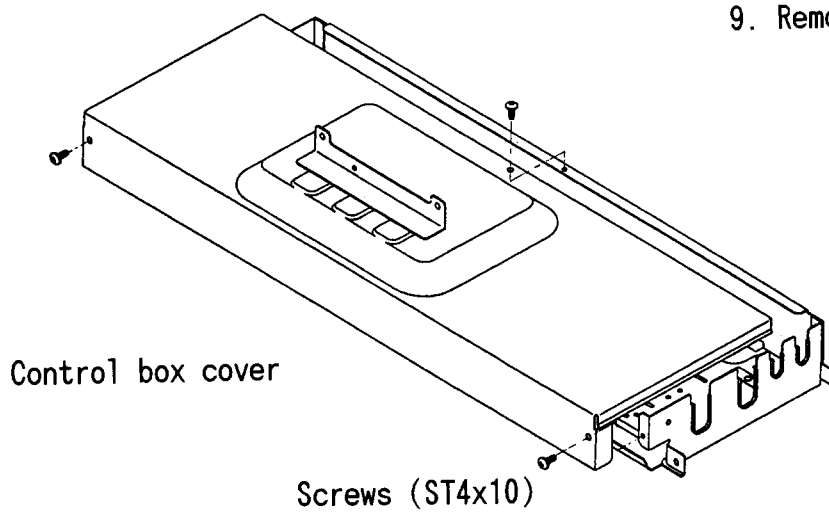
Control box subassembly

7. Remove the control box holding bracket.

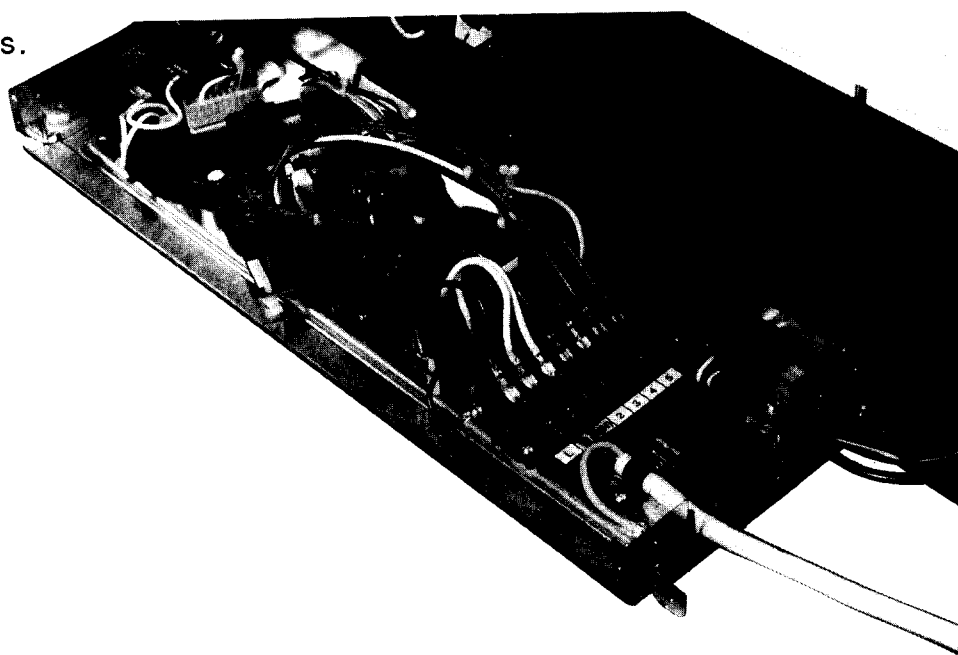


8. Pull out the control box subassembly.

9. Remove the control box cover.

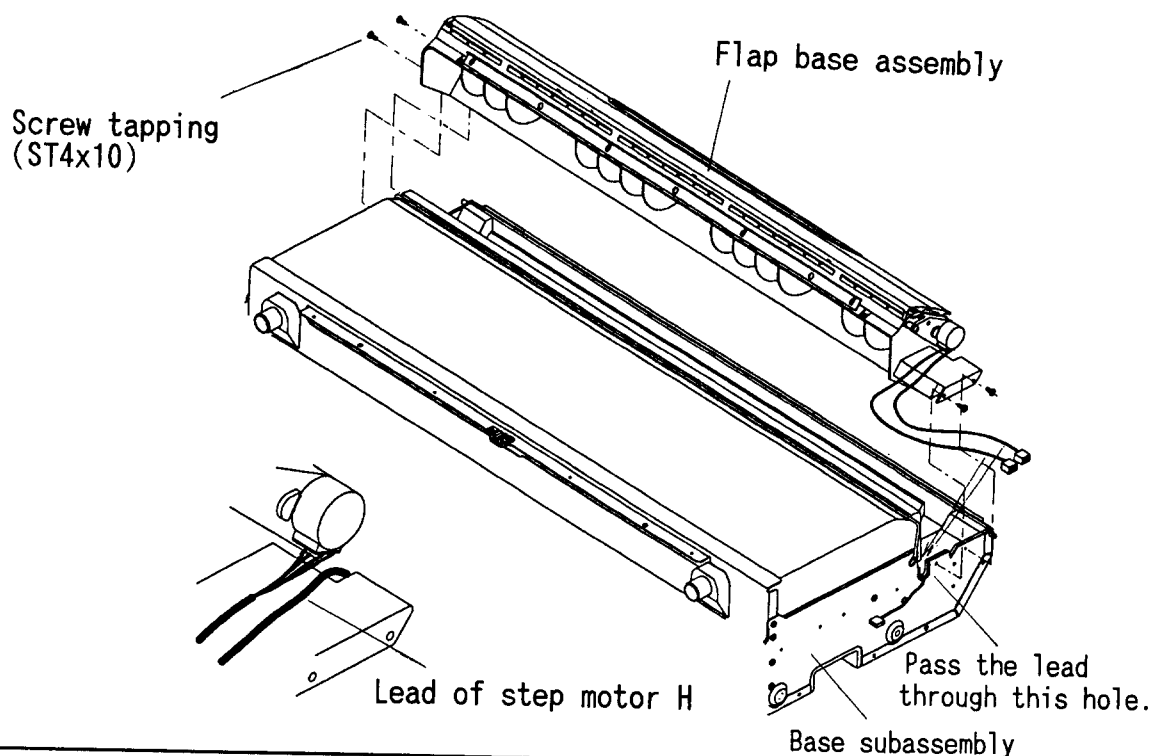


10. Remove the parts.



(14) How to attach the flap base assembly

1. Insert the flap base assembly into the base subassembly.
2. Secure the flap base assembly to the base subassembly with two screws, on left and right.
3. Wire the lead of step motor H as shown in the diagram below.



(15) How to attach the panel assembly

1. Tighten one joggled screw each on the left and right of the panel subassembly. Figure (2)-1
2. Attach the panel assembly to the base subassembly while turning it. Figure (2)-1
3. Secure the panel assembly to the base subassembly with two screws each on the left and right. Figure (2)-2
4. Secure the panel assembly to the base subassembly with four screws. Figure (2)-2
5. The lock between the panel assembly and the flap base assembly must be secure. Figure (2)-2

Refer to the following diagram.

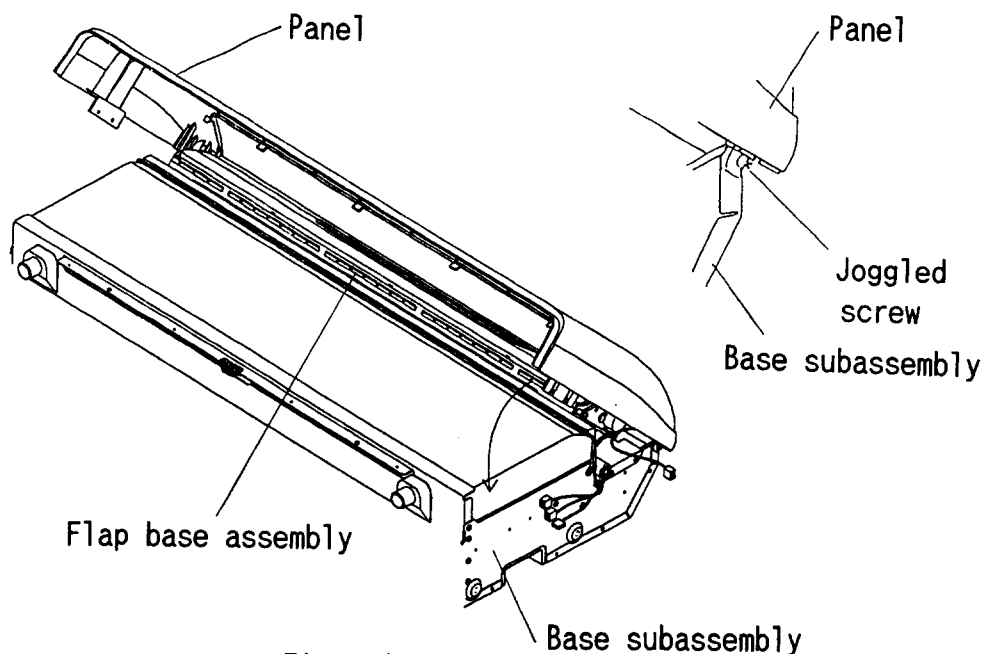


Fig. (15)-1

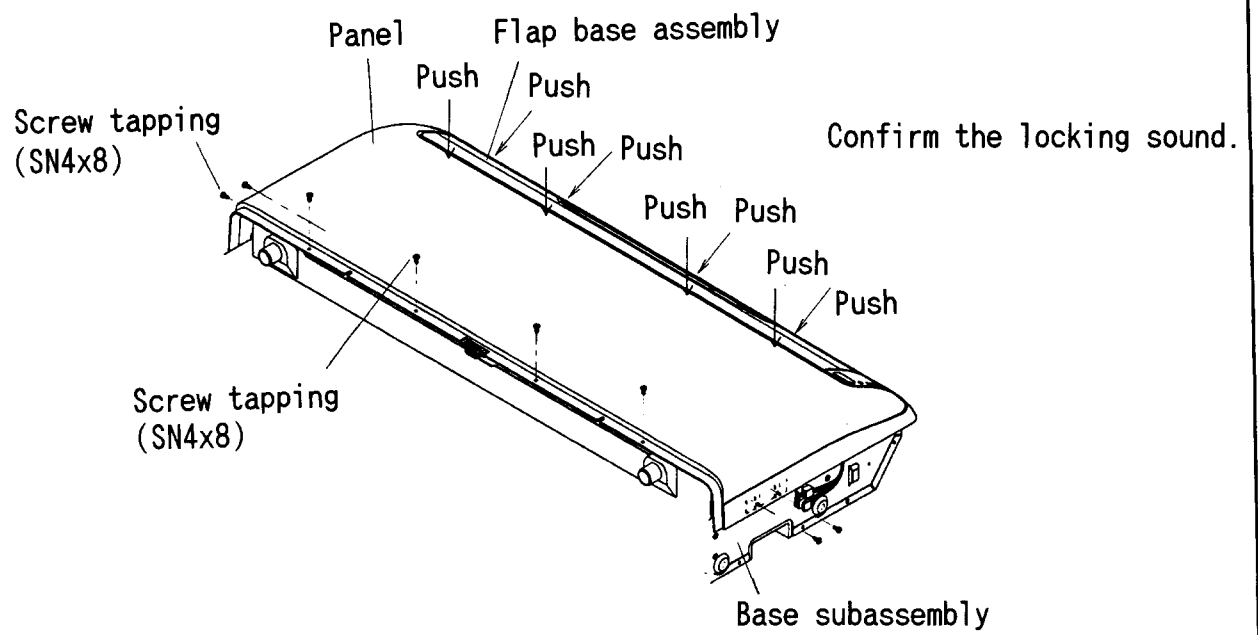


Fig. (15)-2

