

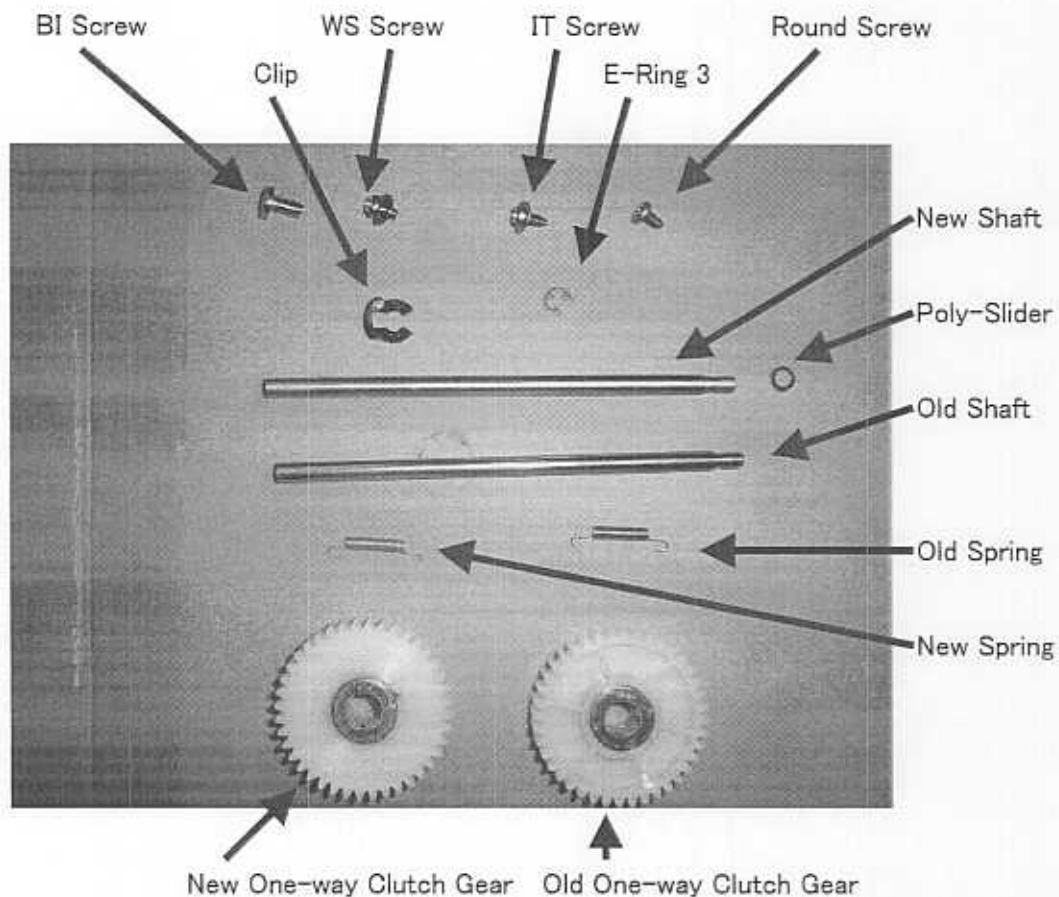
## COUNTER MEASURE FOR 24-01

### MODIFICATION OF PR5300

#### Modifications

- 1) Replacement of One-way Clutch Gear (1 piece)  
Old: having cavity      New: no cavity / with a pin
- 2) Replacement of Shaft for Printhead positioning (1 piece)  
Old: Length=114.4mm    New: Length=114.9mm
- 3) Replacement of Springs for Printhead positioning (2 pieces)  
Old: Silver color              New: Gold color
- 4) Adding Poly-slider for Printhead Positioning Shaft (1 piece)
- 5) Replacement of Ribbon LD-Sensor

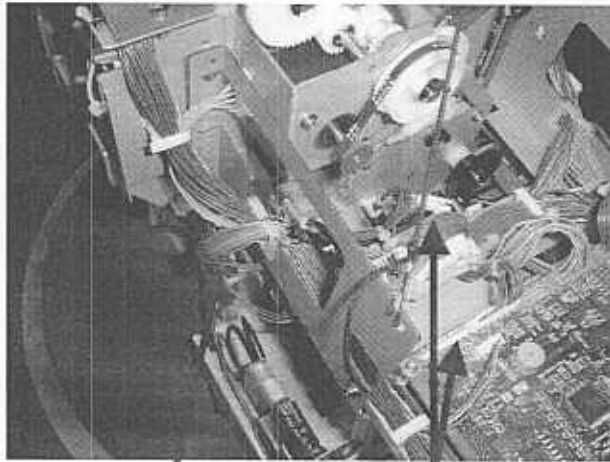
#### Parts



2. Remove Mechanical Block

2.1 Open PCB Bracket (WS Screw x 3 pcs)

2.2 Take off connectors of Ribbon Wind Unit (Connector x 2, Clamp x 3)

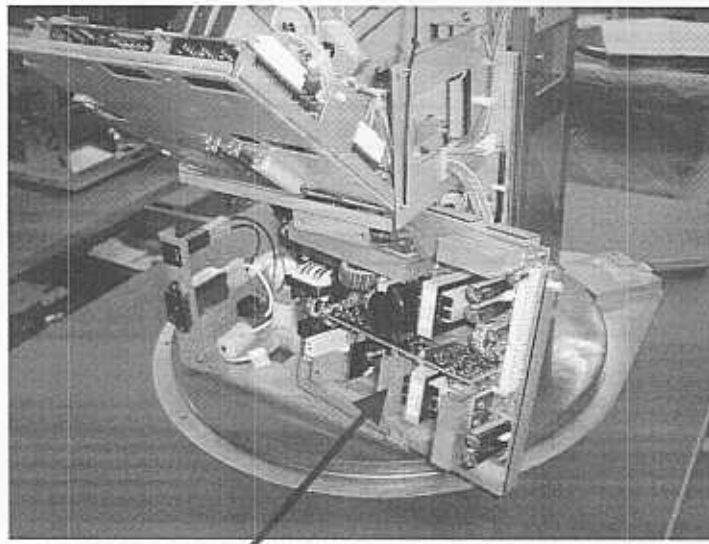


Open Clamps

Take off connectors

2.3 Remove Fan (Connector x 1, WS Screw x 2 pcs)

2.4 Remove Power Supply Unit Bracket (Connector x 3, TP Screw x 2 pcs, Round Screw x 2 pcs)



Power Supply Unit Bracket (Draw it diagonally)

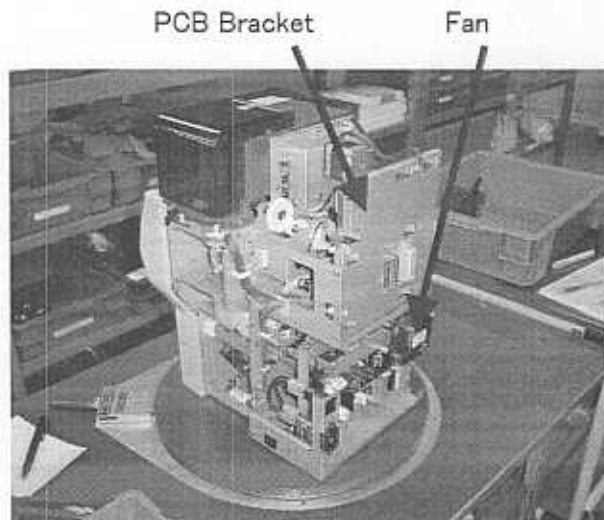
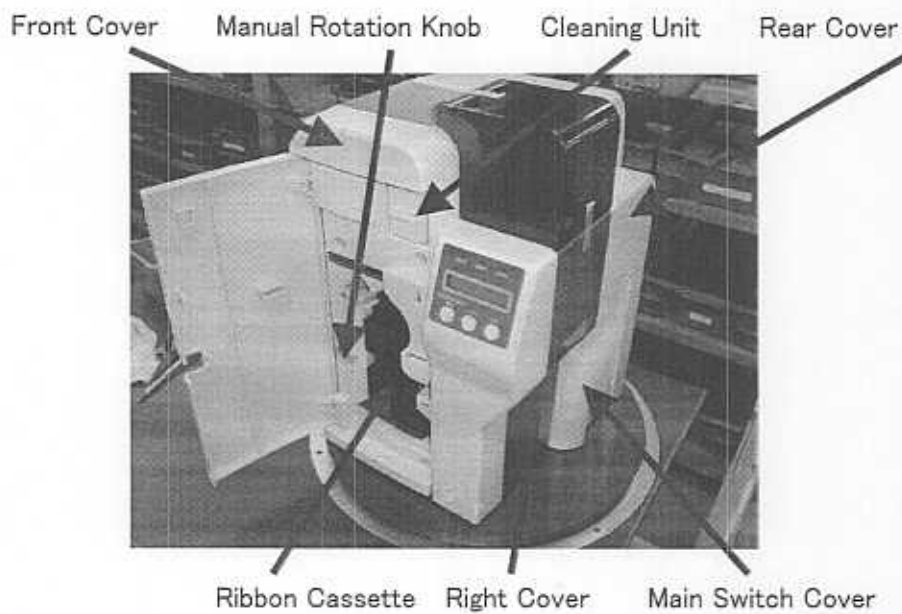
2.5 By using Support Tool, hang PCB Supporting Plate from Rear Panel

2.6 Remove screws of PCB Supporting Plate (Round Screw x 4 pcs)

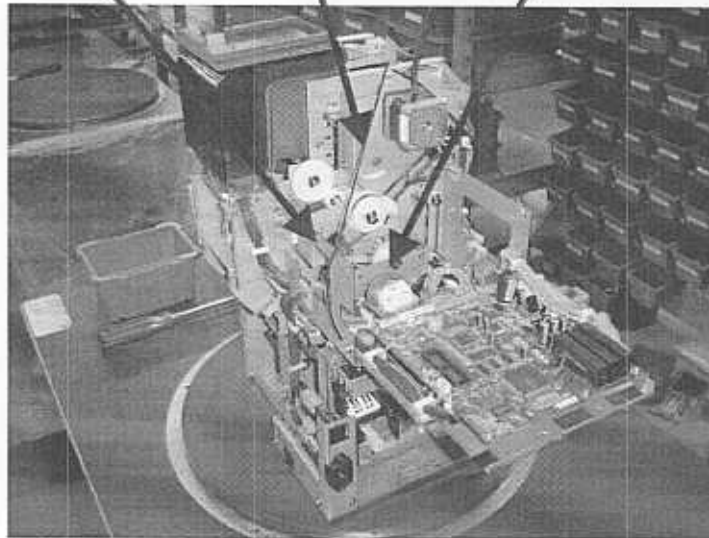
## Procedure

### 1. Remove Covers

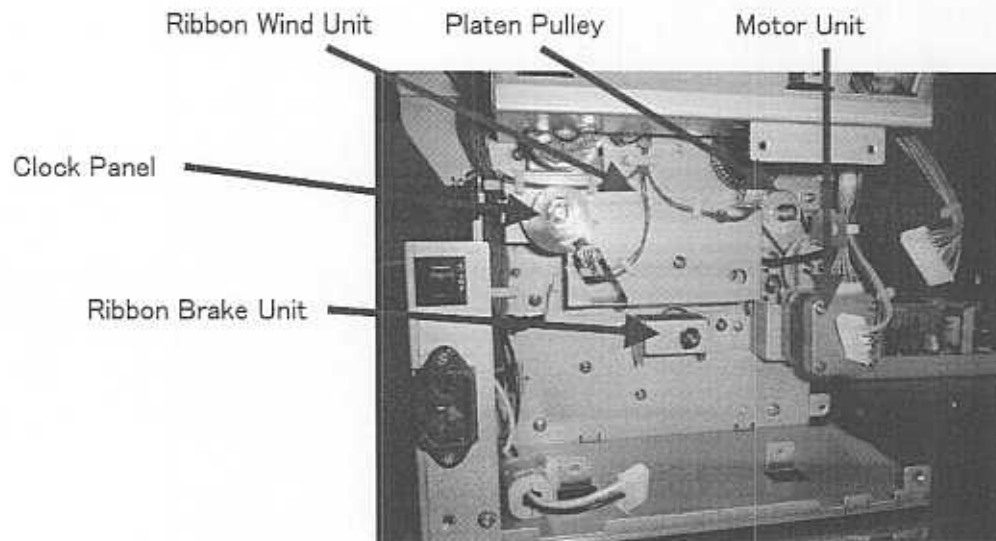
- 1.1 Remove Ribbon Cassette
- 1.2 Remove Right Cover (BI Screw x 2 pcs)
- 1.3 Remove Main Switch Cover (BI Screw x 2 pcs)
- 1.4 Remove Rear Cover (BI Screw x 4 pcs)
- 1.5 Remove Cleaning Unit
- 1.6 Remove Head Unit (Connector x 1)
- 1.7 Remove Manual Rotation Knob (WS Screw x 1pc)
- 1.8 Remove Front Cover (BI Screw x 4 pcs and Connector x 2)



PCB Supporting Plate      Support Tool      Ribbon Wind Unit



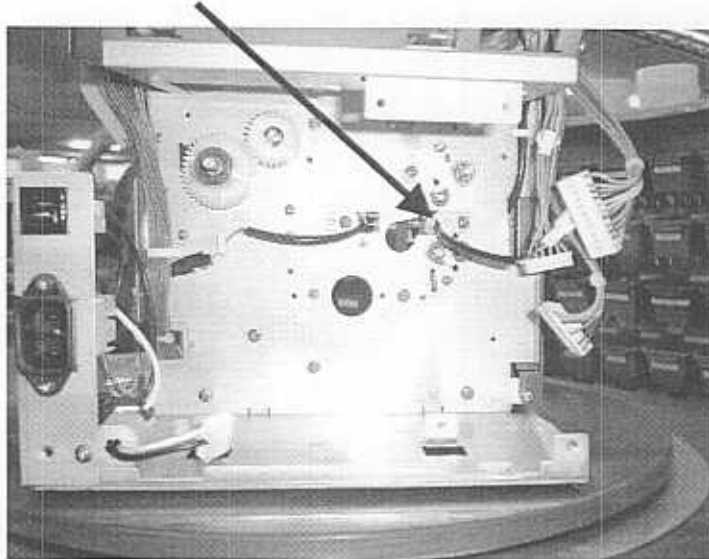
- 2.7 Remove Motor Unit (Clamp x 1, Connector x 2, Round Screw x 3 pcs)
- 2.8 Remove Platen Pulley (Belt x 1, Clip x 1)
- 2.9 Remove Ribbon Brake Unit (TP Screw x 2)
- 2.10 Remove Clock Plate (Split Plate) for Cam Position (Rotate Cams until remove position of Clock Plate then with opening clamps remove Clock Plate)
- 2.11 Remove Ribbon Wind Unit (TP Screw x 4 pcs)



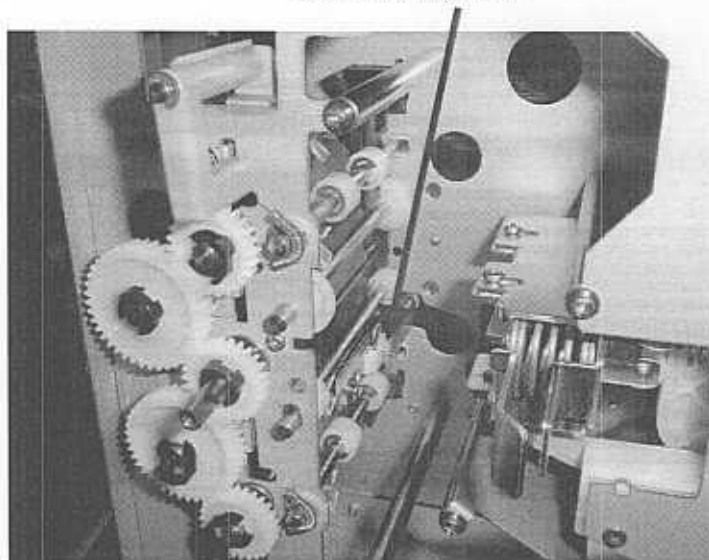
### 3. Replacement of Ribbon Sensor

- 3.1 Remove Ribbon Sensor Unit (TP Screw x 1 pce)
- 3.2 Replace Sensor Board (Connector x 1, WS Screw x 1 pce)
- 3.3 Fit Ribbon Sensor Unit (TP Screw x 1 pce)

Ribbon Sensor Unit

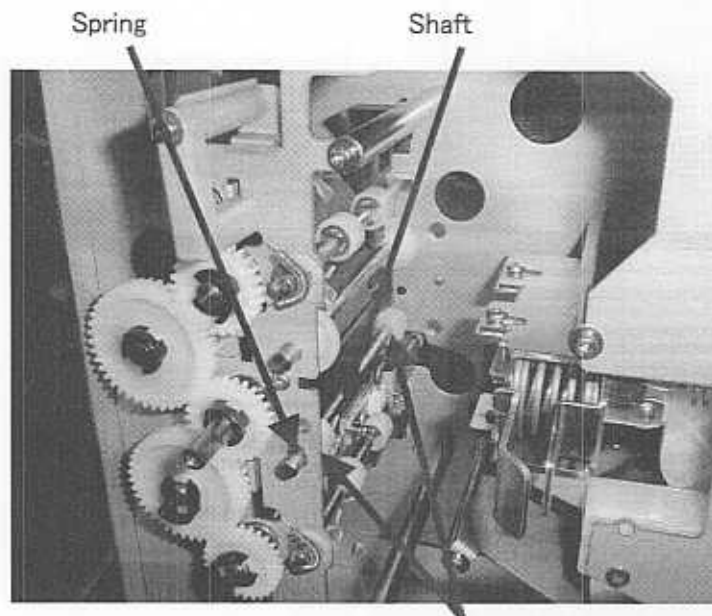


Ribbon Sensor Unit

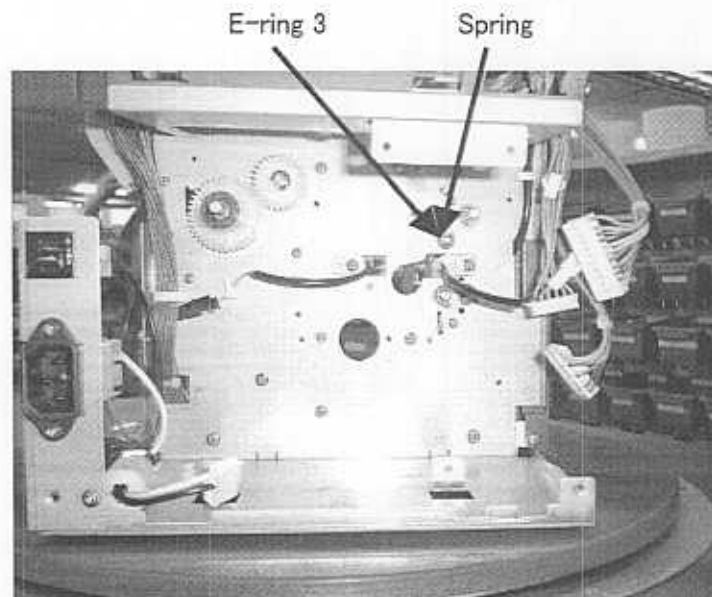


#### 4. Replacement of Head Positioning Shaft

- 4.1 Remove Springs (2 pcs)
- 4.2 Remove E-Ring 3
- 4.3 Replace Shaft (New one is longer by 0.5mm, check the narrow part position of Shaft)
- 4.4 Insert Poly-slider (In side of E-ring 3)
- 4.5 Fit E-ring 3 (Do not injure Poly-slider)
- 4.6 Fit Gold Spring

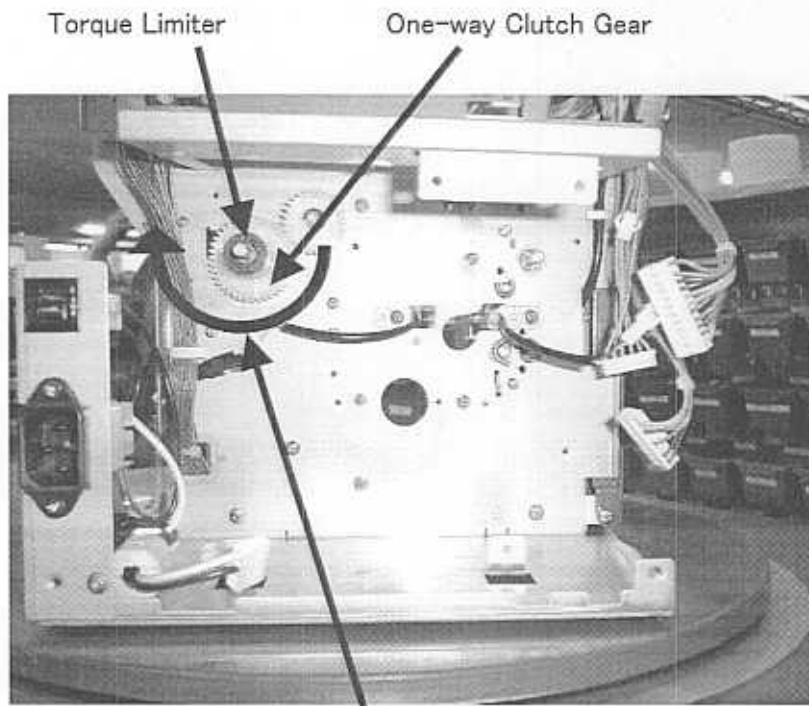


Roller to be fit at narrow part of shaft



5. Replacement of One-way Clutch Gear

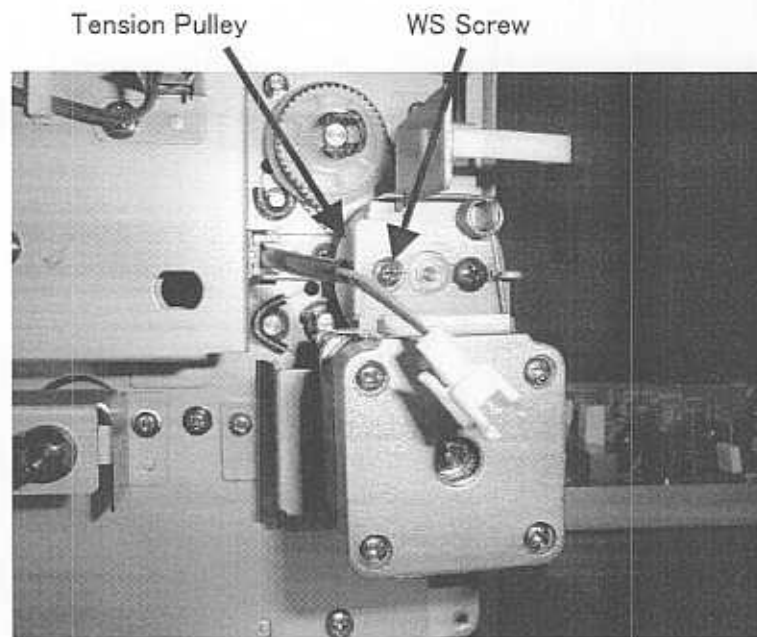
- 5.1 Remove Torque Limiter
- 5.2 Remove Spring Pin
- 5.3 Remove Clip
- 5.4 Replace Clutch Gear (New Gear has a Pin. Fit Gear with rotating clock-wise)
- 5.5 Fit Clip
- 5.6 Insert Spring Pin (Spring Pin's open position to be parallel to thrust direction of Shaft)
- 5.7 Fit Torque Limiter



\* Insert Clutch Gear with rotating Clock-wise

6. Install Mechanical Unit

- 6.1 Fit Ribbon Wind Unit (Take care clamps of Torque Limiter and set it correctly. TP Screw x 4 pcs)
- 6.2 Fit Clock Plate (With rotating Cams until setting position)
- 6.3 Fix PCB Support Plate (Round Screw x 4 pcs)
- 6.4 Join Connectors of Ribbon Wind Unit (Clamp x 3, Connector x 2)
- 6.5 Remove PCB Support Tool
- 6.6 Install Ribbon Brake Unit (TP Screw x 2 pcs)
- 6.7 Fit Platen Pulley (Clip x 1, Belt)
- 6.8 Install Motor Unit (Round Screw x 3 pcs)
- 6.9 Adjust Belt tension (Loosen WS Screw and move tension pulley, then tighten WS Screw)

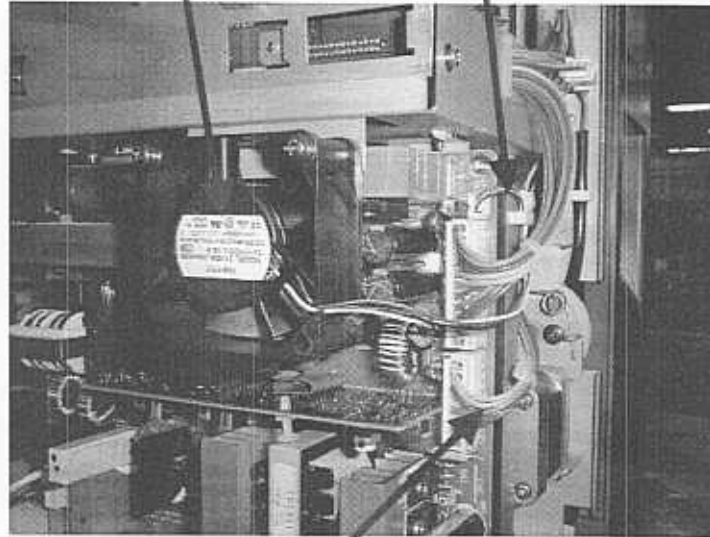


- 6.10 Join Connectors of Motor (Connector x 2, Clamp x 1)
- 6.11 Install Power Supply Unit (Lower: TP Screw x 2 pcs, Upper: Round Screw x 2 pcs and Connector x 3)
- 6.12 Fit Fan (WS Screw x 2 pcs, Connector x 1, Clamp x 1)
- 6.13 Fix PCB Bracket (Upper: WS Screw x 3 pcs, Lower: WS Screw x 2 tighten)



Take care of Fan Rotation

Fix cables



\* This cable to be fixed by Motor Bracket Clamps

## 7. Fit Covers

- 7.1 Fit Front Cover (Connector x 2, BI Screw x 4 pcs)
- 7.2 Install Head Unit (with rotating Cams, take care of harnesses)
- 7.3 Fit Manual Rotate Knob (WS Screw x 1)
- 7.4 Insert Cleaning Unit
- 7.5 Insert Ribbon Cassette
- 7.6 Fit Rear Cover (BI Screw x 4 pcs)
- 7.7 Fit Main Switch Cover (BI Screw x 2 pcs)
- 7.8 Fit Right Cover (BI Screw x 2 pcs)

## 8. Update Firmware

Update Firmware to latest version

## 9. Adjust Ribbon Sensor

- 9.1 Go to Service Mode
- 9.2 Go to Sensor Check Mode
- 9.3 Execute Auto Adjustment
- 9.4 Confirm the displayed value at PT: below 75, LD: 174 \* 264 (If not good, adjust sensors position)
- 9.5 Go out to initial