

# EDITOR BOARD

- Editor Board (model A988) is optional equipment for the model A092.
- The Editor Board is standard equipment for the model A105.

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# 1. SPECIFICATIONS

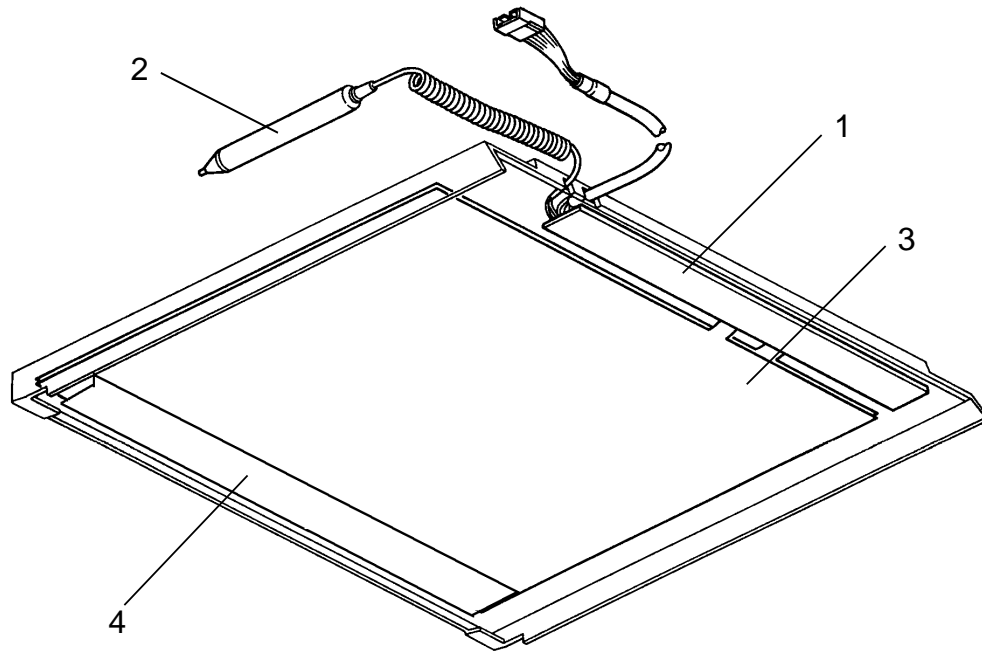
Maximum Original Size:	A3/LDG
Error Tolerance:	$\pm 4$ mm
Number of designated area	Maximum 3 areas
Functions:	<div>Edit Image</div> <div>Save Area</div> <div>Delete Area</div> <div>Letter/Photo</div> <div>Letter Mode</div> <div>Photo Mode</div> <div>Letter/Photo Mode,</div> <div>(Auto Letter Photo cannot be used)</div> <div>Color Selection</div> <div>Full Color Mode</div> <div>Single Color Mode</div> <div>Color Creation</div> <div>Color Conversion</div> <div>Highlight Color</div> <div>Paint</div> <div>When selecting the following function from</div> <div>the copier operation panel, the area will be</div> <div>designated by editor board.</div> <div>User Color Memory</div> <div>Delete Area</div> <div>Save Area</div> <div>Image Repeat</div>
Dimensions: (W x D x H)	596 mm x 532 mm x 73 mm (23.5" x 21.0" x 2.9")
Weight:	Approximately 5.3 kg (11.7 lb) (including stylus and cable)
Power Source:	5 V, less than 1A (from the copier)



Editor Board

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## 2. ELECTRICAL COMPONENT LAYOUT



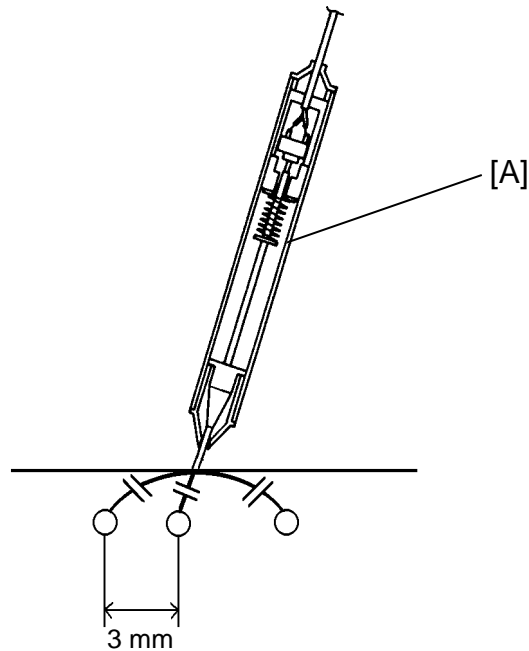
- 1. Main PCB
- 2. Stylus
- 3. Positioning Sheet
- 4. Editor Operation Panel

### 3. ELECTRICAL COMPONENT DESCRIPTIONS

<b>PCBs</b>	
Main	Controls the editor board and drives the positioning sheet
Interface unit *	Signals between the main frame (operation panel) and the editor are not directly connected, but are separated by the photo-couplers on the interface unit. (This is only for European versions.) This is one of the accessory parts.
<b>Others</b>	
Positioning Sheet	Detects the position where the stylus presses
Stylus	Used to designate areas to be edited and to activate operation keys
Editor Operation Panel	Operation keys and indicators are located here

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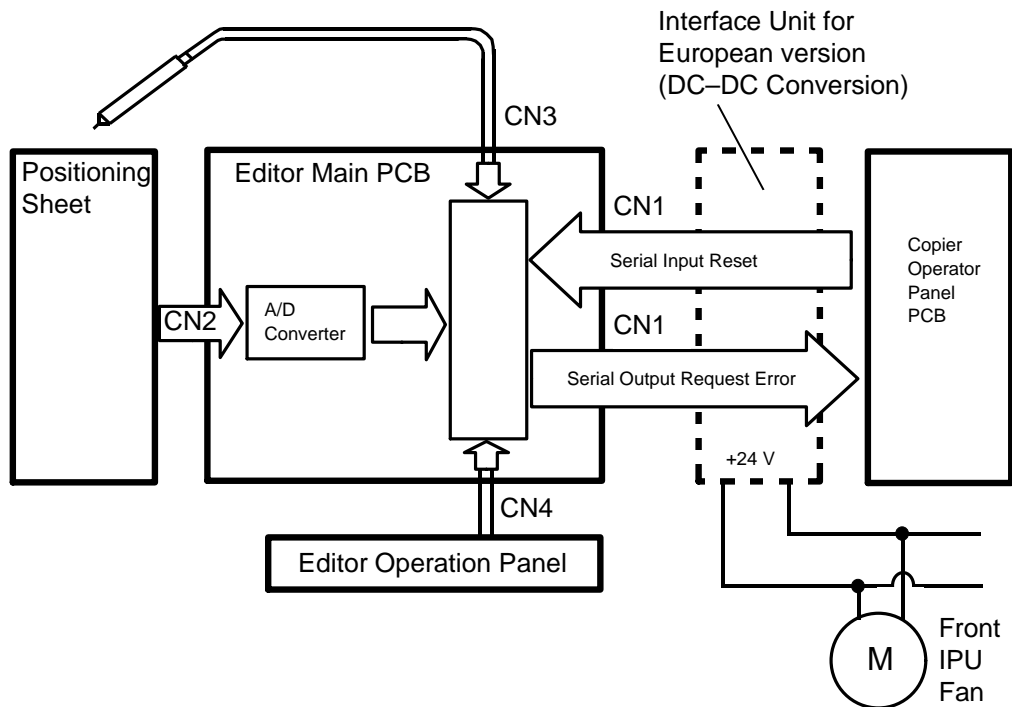
## 4. BASIC OPERATION



There are electrode lines in the positioning sheet aligned horizontally and vertically. Lines are spaced 3 mm apart. When part of the positioning sheet is pressed with the stylus pen, static coupling is generated between the stylus pen and the nearest electrode lines.

When the positioning sheet is pressed with the stylus pen [A], the switch in the stylus pen turns on and starts the detection of the coordinate point. Therefore, the voltage corresponding to the coordinate point is sent to the A/D converter. The voltage of the electrode lines near the coordinate point will be changed due to static coupling, and the coordinate point is detected by the voltage.

## 5. BLOCK DIAGRAM



The copier supplies +5 volts to the editor. The signals between the editor and the copier are as follows:

Pin No.	Signal	Name Function
1	GND	—
2	Serial Input: TXD (Copier to Editor)	Status signal of the copier.
3	GND	—
4	Serial Output: RXD (Editor to Copier)	Coordinate data and mode selection data from the editor.
5	Request (Editor to Copier)	Request to receive data (Serial Input Signal) from the copier.
6	Error (Editor to Copier)	Request to receive data (Serial Input Signal) again from the copier when the Serial Input Signal is in error condition.
7	Reset (Copier to Editor)	Resets the editor.
8	Editor Connection	Connects to GND on the editor board.
9 / 10	+5v	Source voltage.

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For the European version, +24V is supplied to the inter face unit which works as a DC-DC converter.

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## 6. INSTALLATION (Machine Code: A988)

### 6.1 SUMMARY

As the editor board is standard equipment for the model A105, for the installation refer to section 3.  
This section only describes the installation for the editor board for the model A092.

### 6.2 ACCESSORY CHECK

Check the quantity and condition of the accessories in the box according to the following list:

- 1. Installation Procedure ..... 1
- 2. New Equipment Condition Report (17 and 27 versions) ..... 1
- 3. Harness Clamp ..... 8
- 4. Harness Guard ..... 1

[–17 version only]

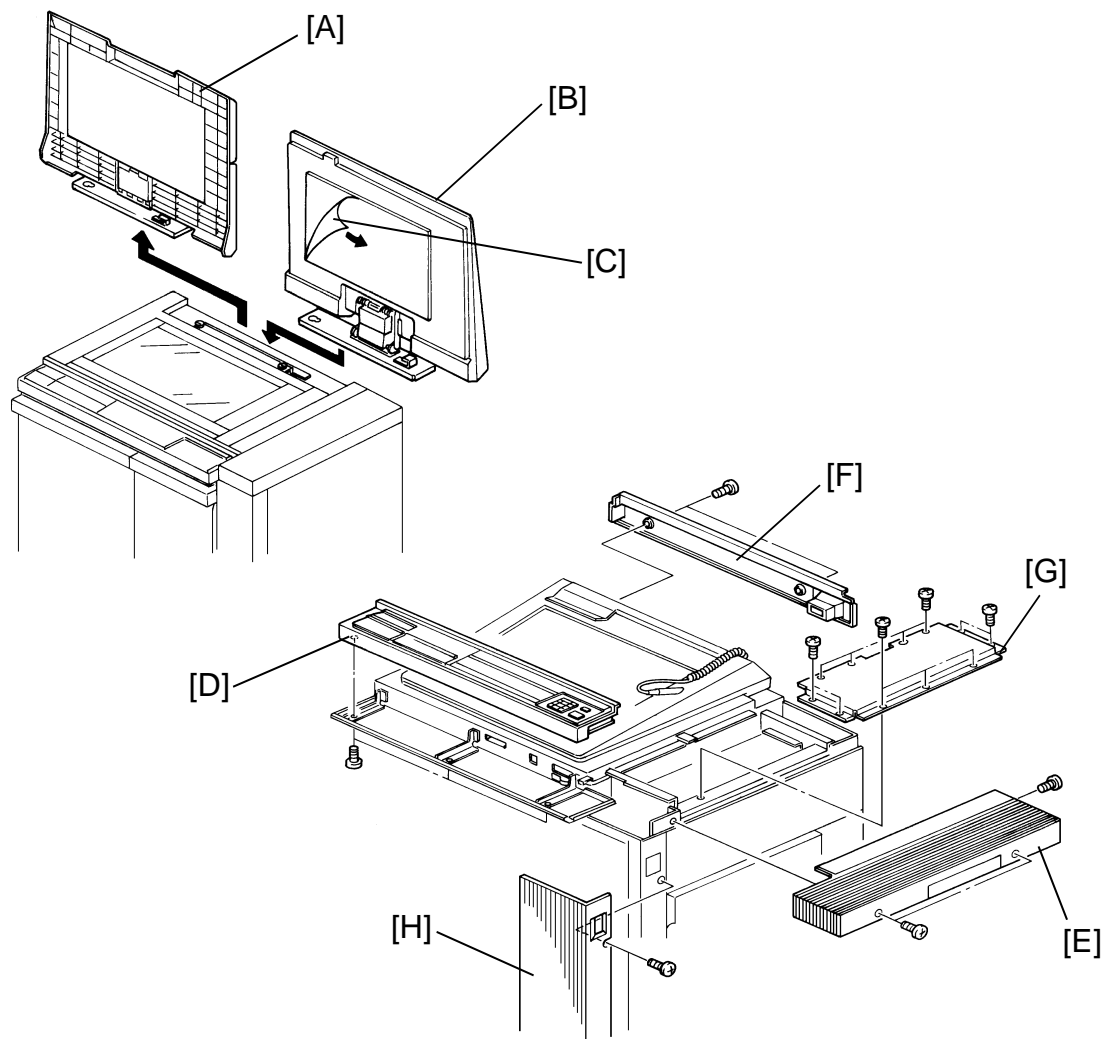
- 5. Envelope for NECR ..... 1
- 6. Interface Harness (with bracket) ..... 1
- 7. Operating Instructions (English) ..... 1

[–25 and –27 version only]

- 8. Editor Panel Sheet  
(English, German, French, Italian, and Spanish) ..... 1 each
- 9. Interface Unit ..... 1
- 10. Large Interface Harness ..... 1
- 11. Small Interface Harness ..... 1
- 12. Operating Instructions ..... 5 languages

## 6.3 INSTALLATION PROCEDURE

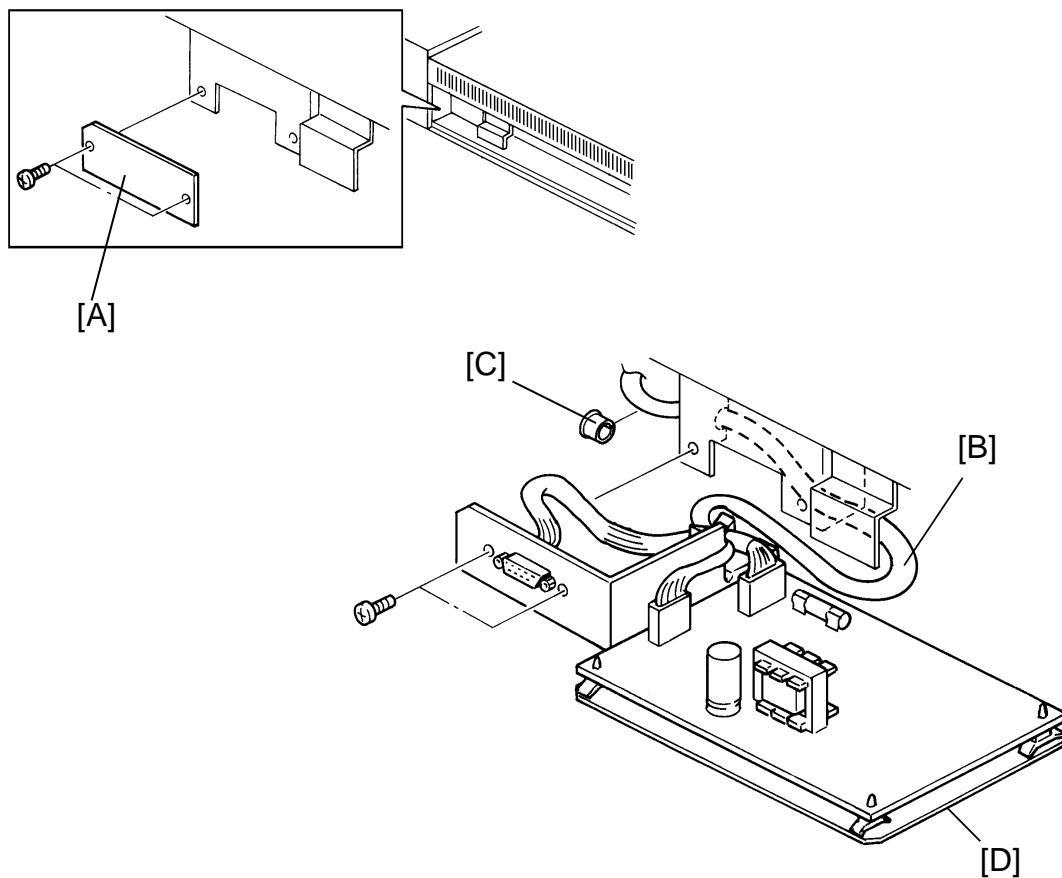
[European Version : -25 and -27]



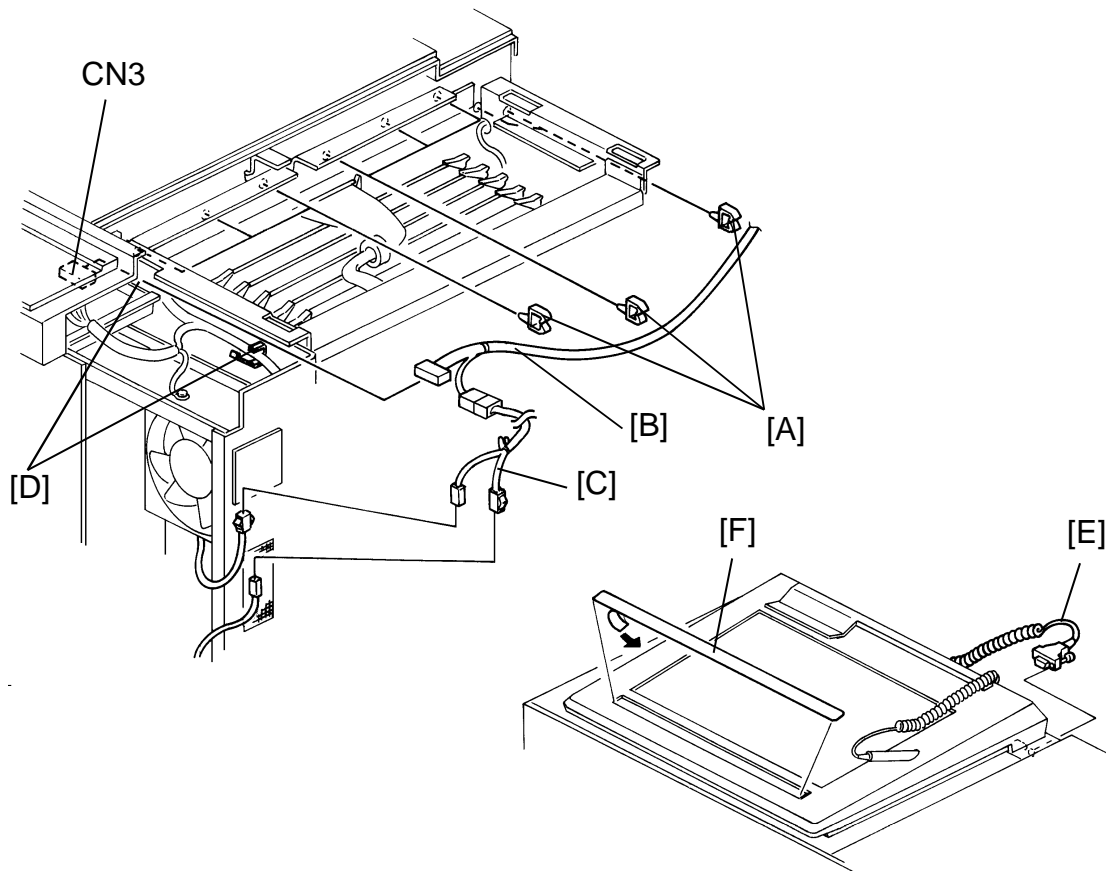
1. Remove the platen cover [A].
2. Set the editor [B] onto the platen cover bracket.
3. Peel off the protective sheet [C] on the silver platen plate.
4. Remove all external strips of tape on the editor board.
5. Remove the following ports:
  - Operation panel [D] (3 screws)
  - Top-right cover [E] (3 screws)
  - Rear-upper cover [F] (2 screws)
  - IPU cover [G] (11 screws)
  - Front-right cover [H] (3 screws)

Editor Board



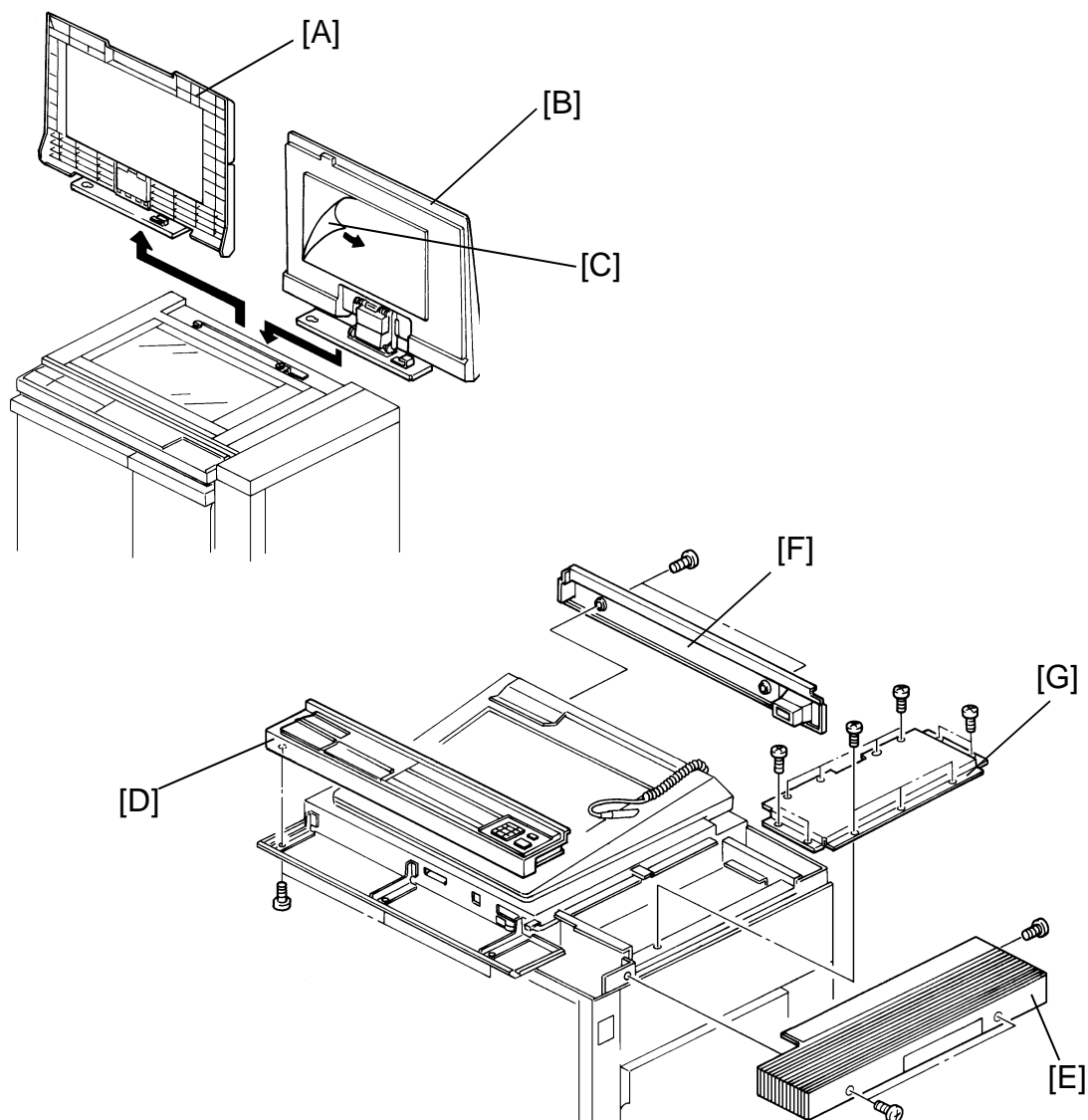


6. Remove the shielding cover [A] (2 screws).
7. Set the harness [B] as shown, and set the harness guard [C] onto the bracket together with the harness.
8. Install the interface unit [D] (2 screws). Use the 2 screws that were removed in step 6.

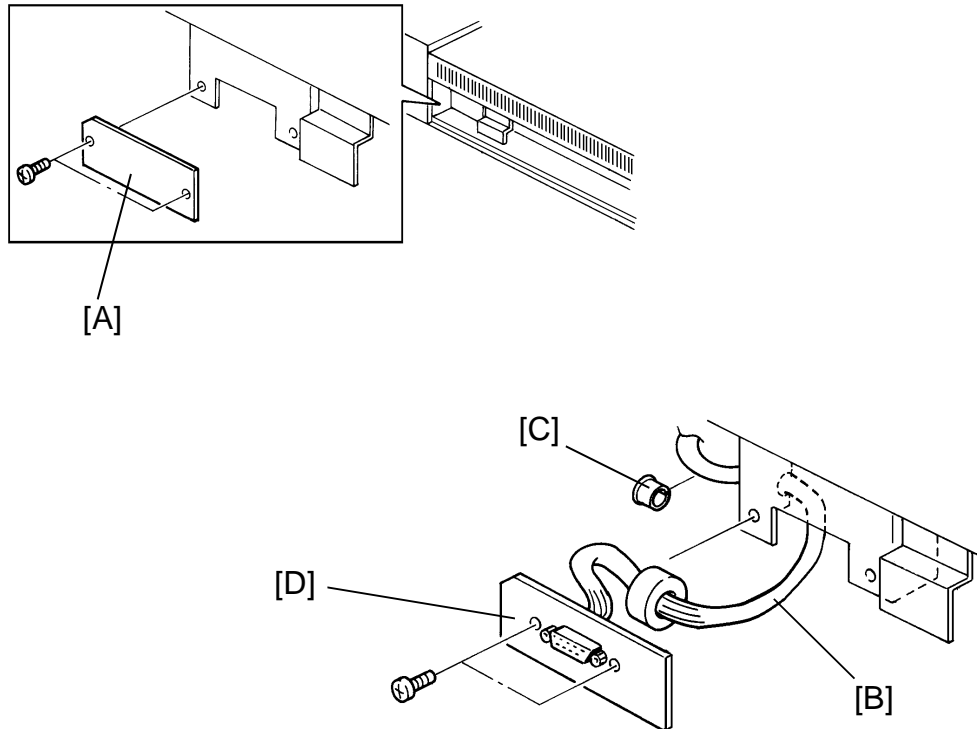


9. Install 8 harness clamps [A] on the right side of the scanner unit, as shown.
  10. Set the interface harness [B] in the clamps and connect it to CN3 (6 pins) on the operation panel.
  11. Connect the 2 pins connector of the large interface harness [B] to the small interface harness [C].
- NOTE:** From the three 2 pins connectors, use the one with the longest harness from the crossing point.
12. Set the small interface harness in two clamps [D], and route it beside the front IPU inlet fan.
  13. Disconnect the front IPU inlet fan harness and connect it to the small interface harness.
  14. Reinstall the operation panel, the top-right cover, the rear-upper cover, and the front-right cover.
  15. Connect the editor cable [E] onto the interface connector (2 screws).
  16. Install the appropriate language editor panel sheet [F].  
(Peel the back off the editor sheet and stick the sheet to the editor board.)

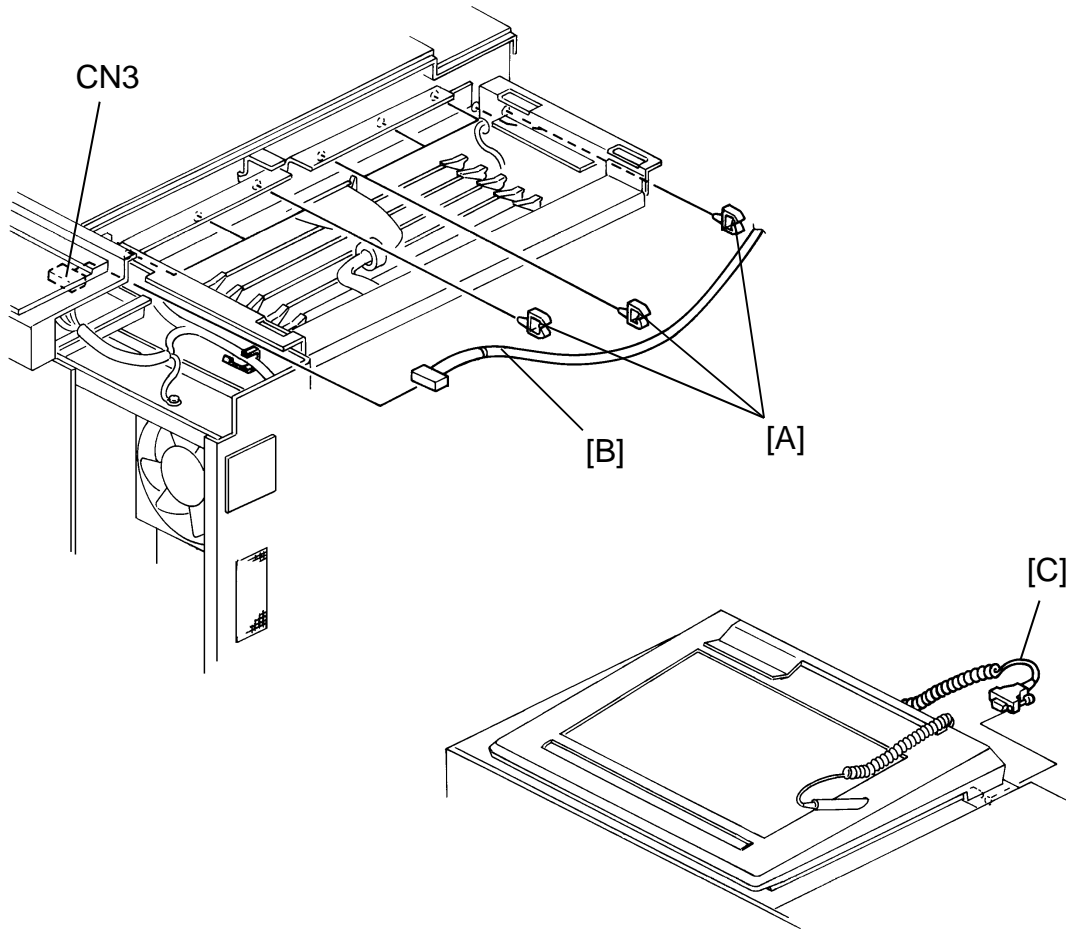
**[USA Version: -17 only]**



1. Remove the platen cover [A].
2. Set the editor [B] onto the platen cover bracket.
3. Peel off the protective sheet [C] on the silver platen plate.
4. Remove all external strips of tape on the editor board.
5. Remove the following parts:
  - Operation panel [D] (3 screws)
  - Top-right cover [E] (3 screws)
  - Rear-upper cover [F] (2 screws) IPU cover [G] (11 screws)



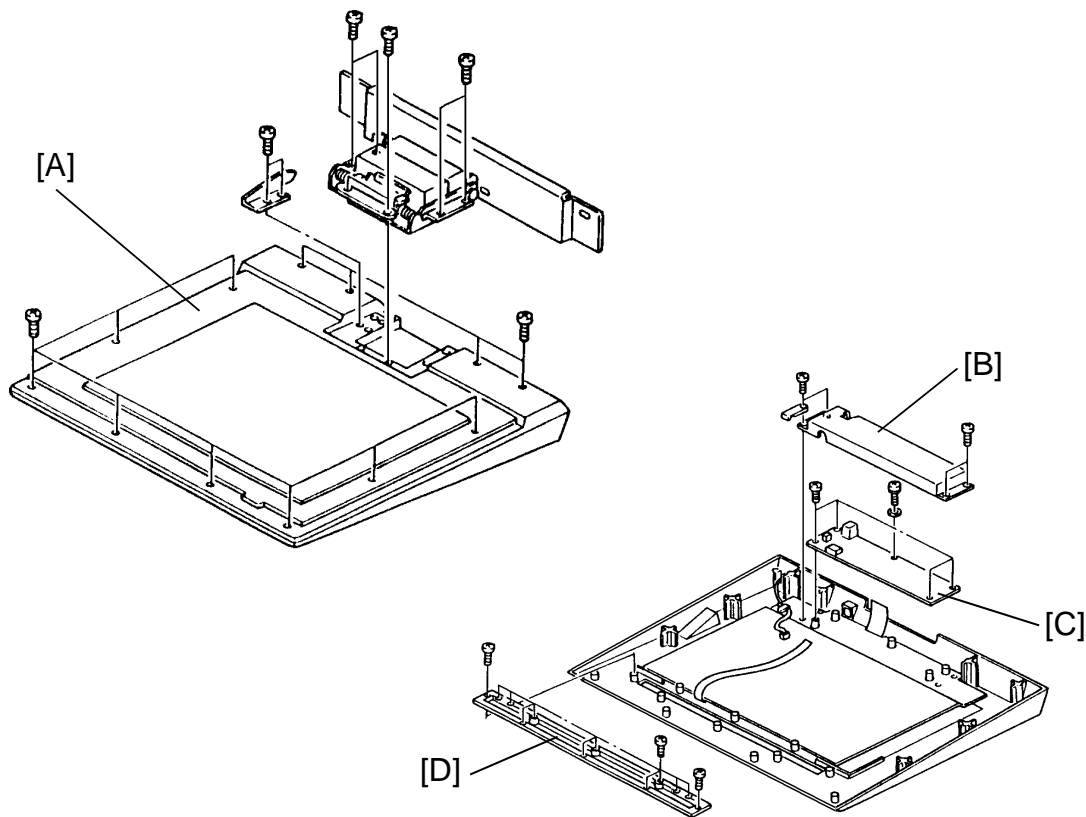
6. Remove the shielding cover [A] (2 screws).
7. Set the harness [B] as shown, and set the harness guard [C] onto the bracket together with the harness.
8. Install the harness bracket [D] (2 screws). Use the 2 screws that were removed in step 6.



9. Install 8 harness clamps [A] on the right side of the scanner unit, as shown.
10. Set the interface harness [B] in the clamps and connect it to CN3 (6 pins) on the operation panel.
11. Reinstall the operation panel, the IPU cover, the top-right cover, and the rear-upper cover.
12. Connect the editor cable [C] onto the interface connector (2 screws).

## 7. REPLACEMENT AND ADJUSTMENT

### 7.1 MAIN PCB AND EDITION OPERATION PANEL REPLACEMENT



1. Turn off the main switch of the copier.
2. Disconnect the interface cable (2 screws) and remove the editor from the copier.
3. Remove the lower editor cover [A] (12 screws).
4. Remove the PCB cover [B] (4 screws).
5. Disconnect all connectors from the main PCB [C].
6. Remove the main PCB (6 screws).
7. Remove the editor operation panel [D] (12 screws, 1 connector).

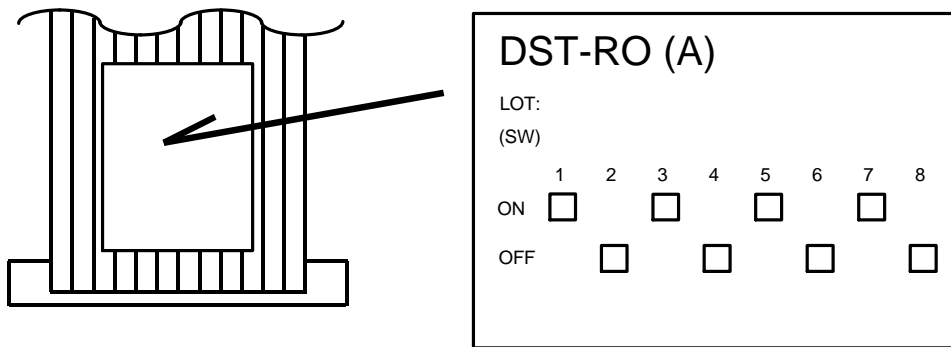
**CAUTION:** When replacing the main PCB, set the dip switch as shown in the decal on the harness. See the service table.

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## 8. SERVICE TABLE

### 8.1 DIP SWITCH

The dip switch on the editor main board should be set as shown in the decal on the cable. If it is not the same, designated areas on copies can not be processed properly.



The setting in the illustration is an example.

**NOTE:** When the positioning sheet is replaced with a new one, set the dip switch as shown in the decal on a new sheet harness.