CHAPTER 3. MECHANISM BLOCKS

[1] General description

1. Document feed block and diagram

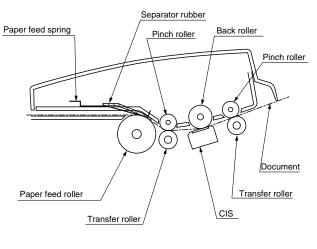


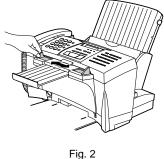
Fig. 1

2. Document feed operation

- The document placed in the hopper actuates the document sensor. After one second, the pulse motor starts to the paper feed roller. The document is automatically taken up into the mashine, and stopped at the document sensor.
- 2) When a specified number of pulses are received from the document sensor after the document lead edge is sensed.scanning is started.
- 3) When a specified number of pulses are received from the document sensor after the document rear edge is sensed. Scanning is terminated and the document is fed through.
- 4) If the document sensor is active (i.e.,another document is in the hopper), when the preceding document scanning is completed and it is fed out, the next document is taken up into the machine. If the document sensor is not active (i.e.,there is no document in the hopper), when the document is fed out, the operation is terminated.

3. Hopper mechanism

3-1. General view

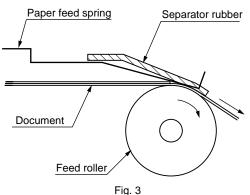


The hopper is used to align documents with the document guides adjusted to the paper width.

NOTE: Adjust the document guide after setting up the document.

3-2. Automatic document feed

- Use of the paper feed roller and separation rubber plate ensures error-free transport and separation of documents. The plate spring presses the document to the paper feed roller to assure smooth feeding of the document.
- 2) Document separation method: Separation rubber plate



3-3. Documents applicable for automatic feed

	Minimum	Maximum
Weight	45kg 52g/m² 14LB	70kg 80(81)g/m² 20(21.7)LB
Thickness	0.06mm 0.0024"	0.1(0.09)mm 0.0035"
Document size	B6(148mmx128mm) ~ LGL(216mmx355.6mm) A4(210mmx297mm) LTR(216mmx279mm)	
Capacity	B6 ~ LTR/A4	20sheets
Manual	More than 90kg(104g/m²) 1sheet Below 135kg(157kg/m²) 1sheet *One page is supported for 1m length paper max.(hold paper by hand)	

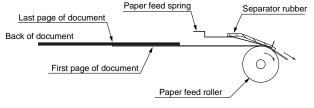
NOTE: Double-side coated documents and documents on facsimile recording paper should be inserted manually. The document feed quantity may be changed according to the document thickness.

Documents corresponding to a paper weight heavier than 64.3kg (74.3g/m²) and lighter than 135kg (157g/m²) are acceptable for manual feed.

Documents heavier than 135kg in terms of the paper weight must be duplicated on a copier to make it operative in the facsimile.

3-4. Loading the documents

- 1) Make sure that the documents are of suitable size and thickness, and free from creases, folds, curls, wet glue, wet ink, clips, staples and pins.
- 2) Place documents face down in the hopper.
 - i) Adjust the document guides to the document size.
 - Align the top edge of documents and gently place them into the hopper. The first page under the stack will be taken up by the feed roller to get ready for transmission.
- NOTES: 1) Curled edge of documents, if any, must be straighten out.
 - 2) Do not load the documents of different sizes and/or thicknesses together.



3-5. Documents requiring use of document carrier

- 1) Documents smaller than B6 (128mm x 182mm).
- 2) Documents thinner than the thickness of 0.06mm.
- Documents containing creases, folds, or curls, especially those whose surface is curled (maximum allowable curl is 5mm).
- 4) Documents containing tears.
- Carbon-backed documents. (Insert a white sheet of paper between the carbon back and the document carrier to avoid transfer of carbon to the carrier.)
- 6) Documents containing an easily separable writing material (e.g., those written with a lead pencil).
- 7) Transparent documents.
- 8) Folded or glued documents.

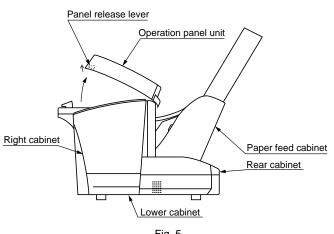
Document in document carrier should be inserted manually into the feeder.

4. Document release

4-1. General

When the release lever is pulled by hand in the direction of arrow, the latch is released and the upper document guide moves on its axis in the derection of the arrow. The feed rollers, the separation rubber plate, and the pinch rollers become free to make it possible to remove the document.

4-2. Cross section view





5. Paper feed

5-1. ASF

As a result of reception motor drive the reduction gear, idler gear, planetary gear, and paper feed gear are synchronized. Since the Pu roller rotates, the paper sensor is turned on and advanced until it engages with the feed roller, Then, the motor is inverted to feed to the print position with the feed roller.

5-2. Manual paper feed

Insert the paper, aligning with the right side of paper feed cab until the paper sensor is turned on and the feed roller catches. It is sent to the print position by the feed roller.

5-3. Print

The ink cartridge is moved from the right side to the left side by the carriage motor. At this time ink is ejected from the ink cartridge to print on the paper.

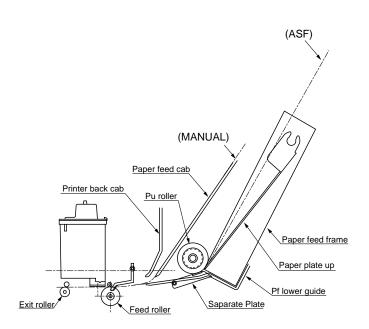


Fig. 6

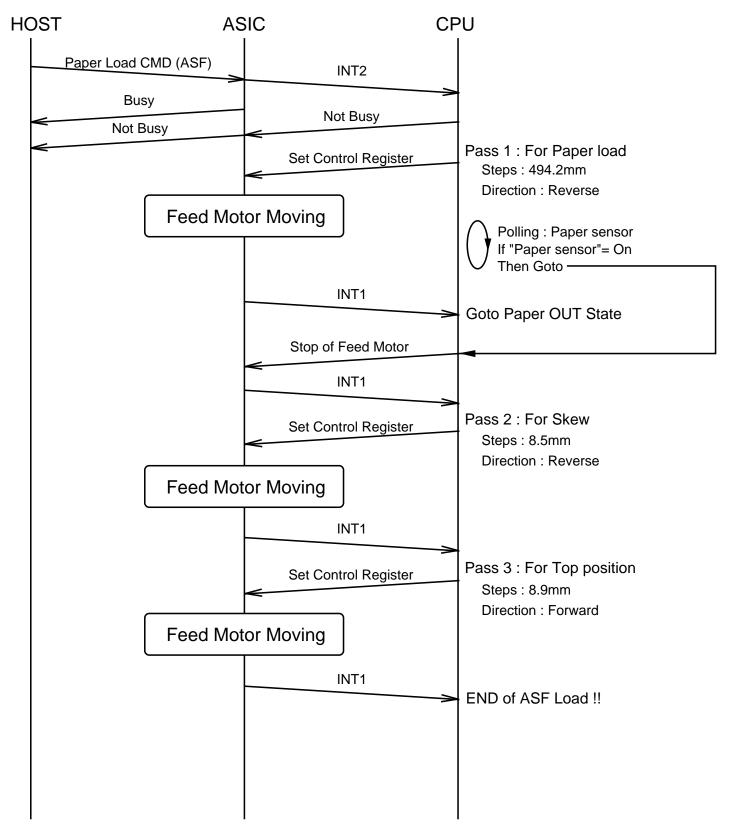
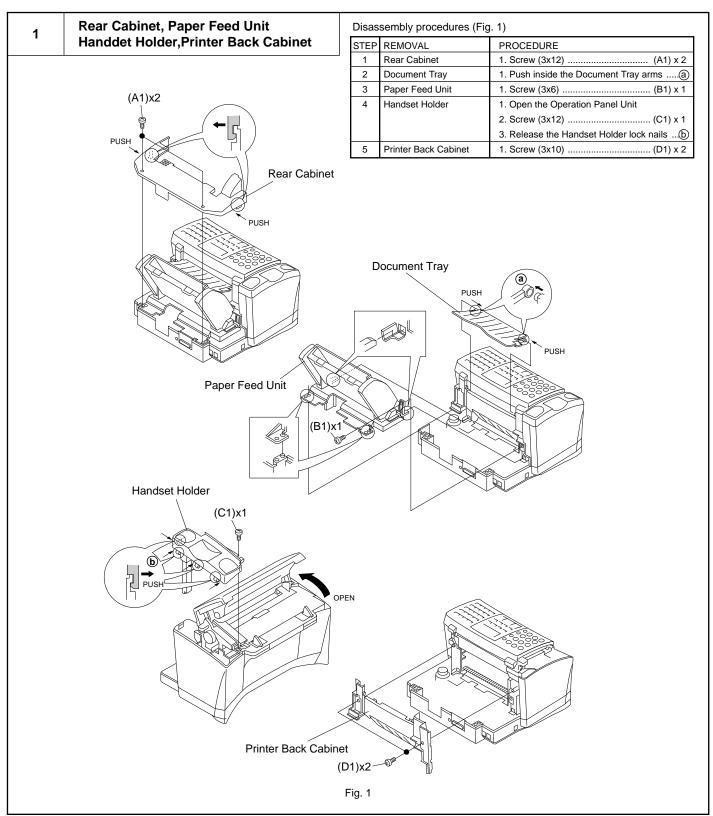
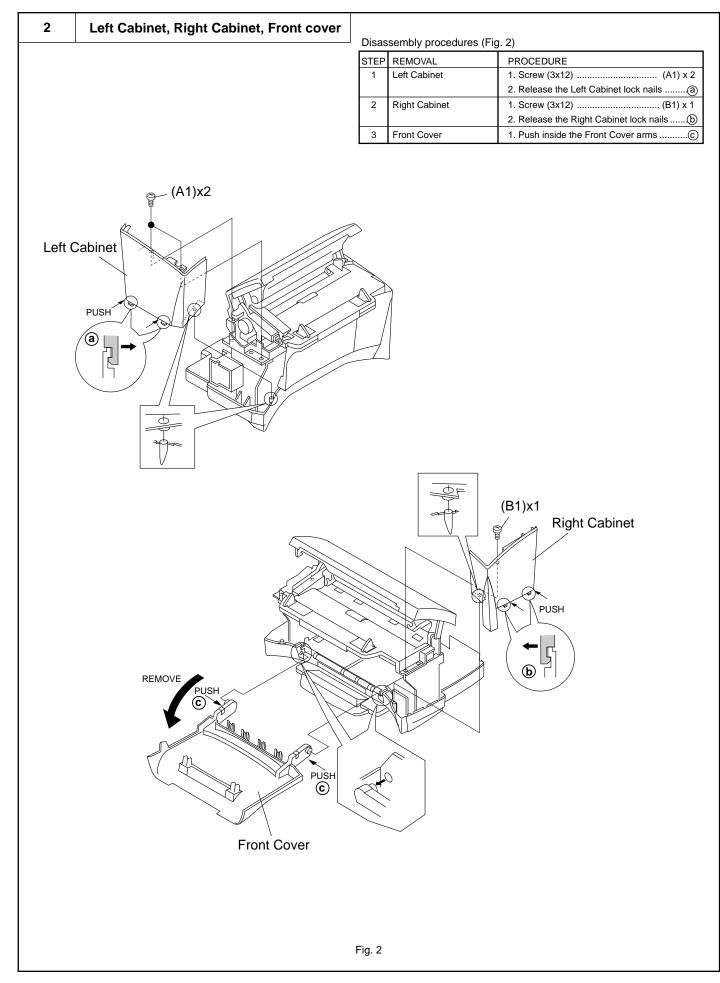


Fig. 7

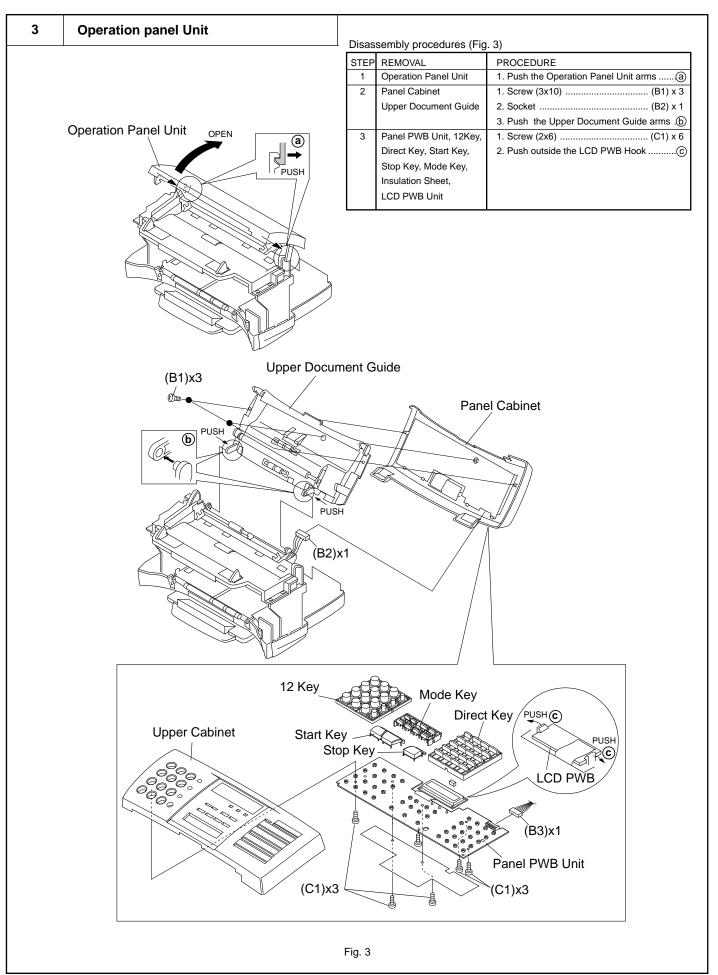
[2] Disassembly and assembly procedures

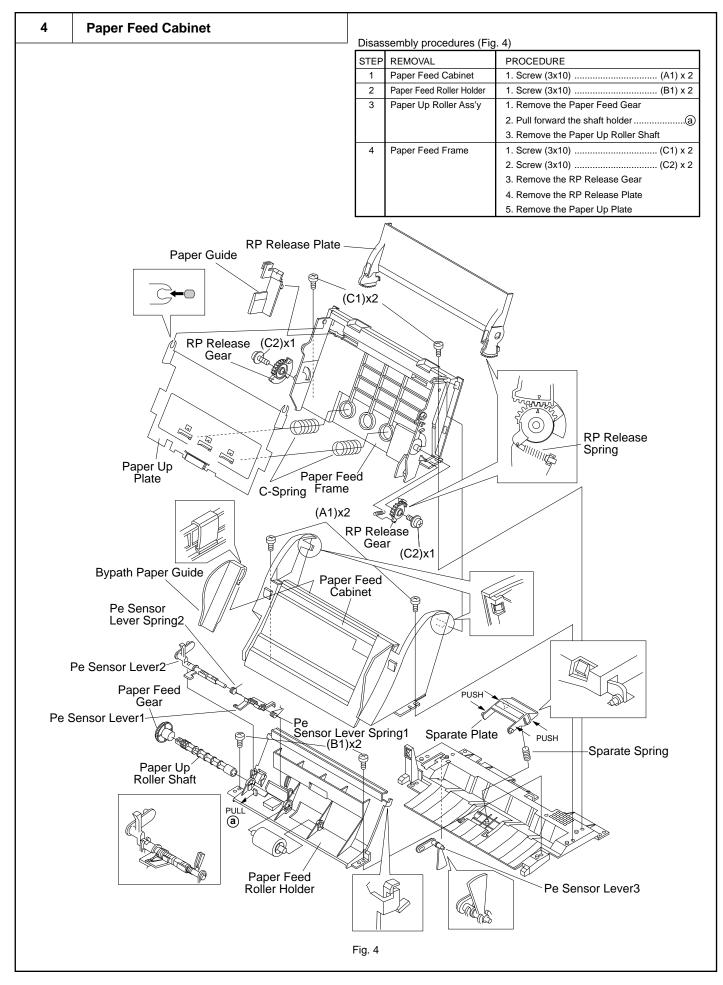
- This chapter mainly describes the disassembly procedures. For the assembly procedures, reverse the disassembly procedures.
- Easy and simple disassembly/assembly procedures of some parts and units are omitted. For disassembly and assembly of such parts and units, refer to the Parts List.
- The numbers in the illustration, the parts list and the flowchart in a same section are common to each other.
- To assure reliability of the product, the disassembly and the assembly procedures should be performed carefully and deliberately.
- Note on changing cartridges : To prevent the used print cartridge from drying out, be sure to store it in the cartridge holder.

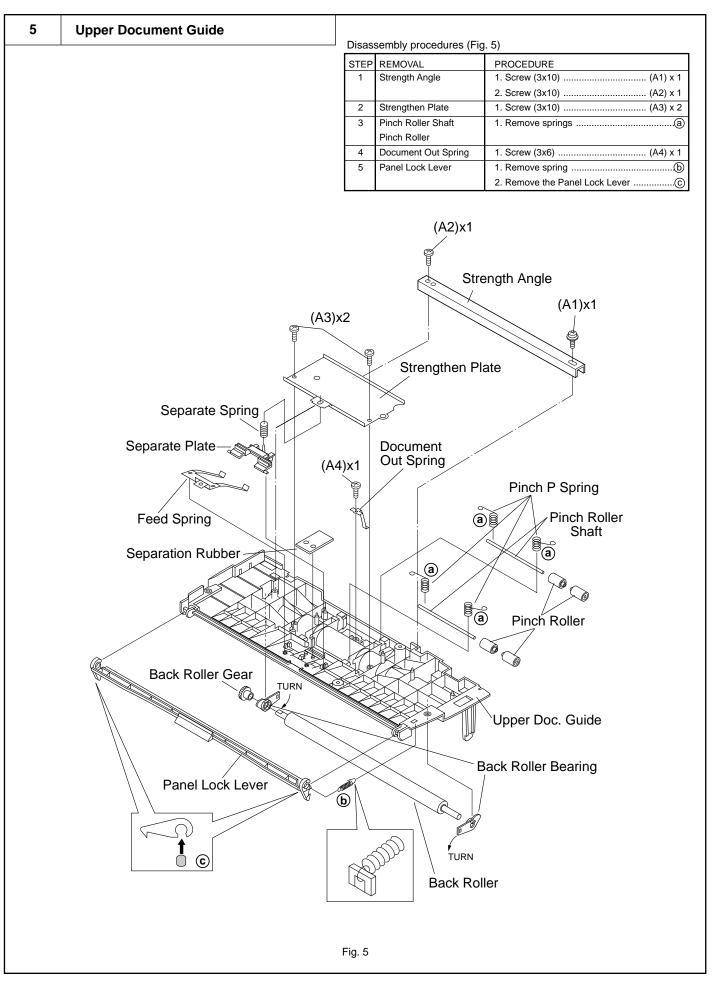


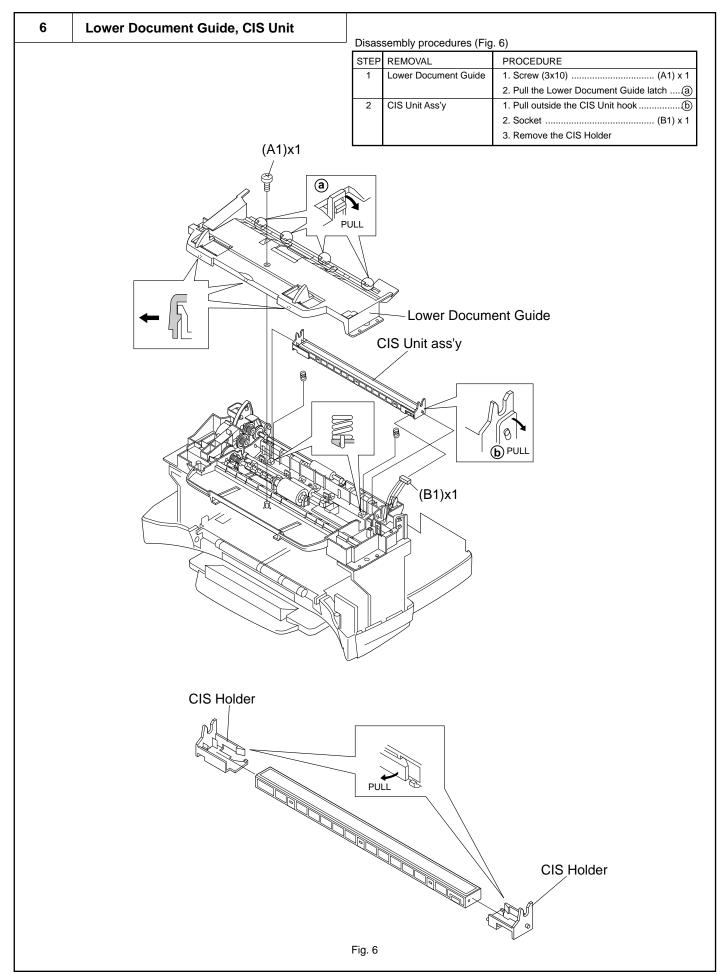


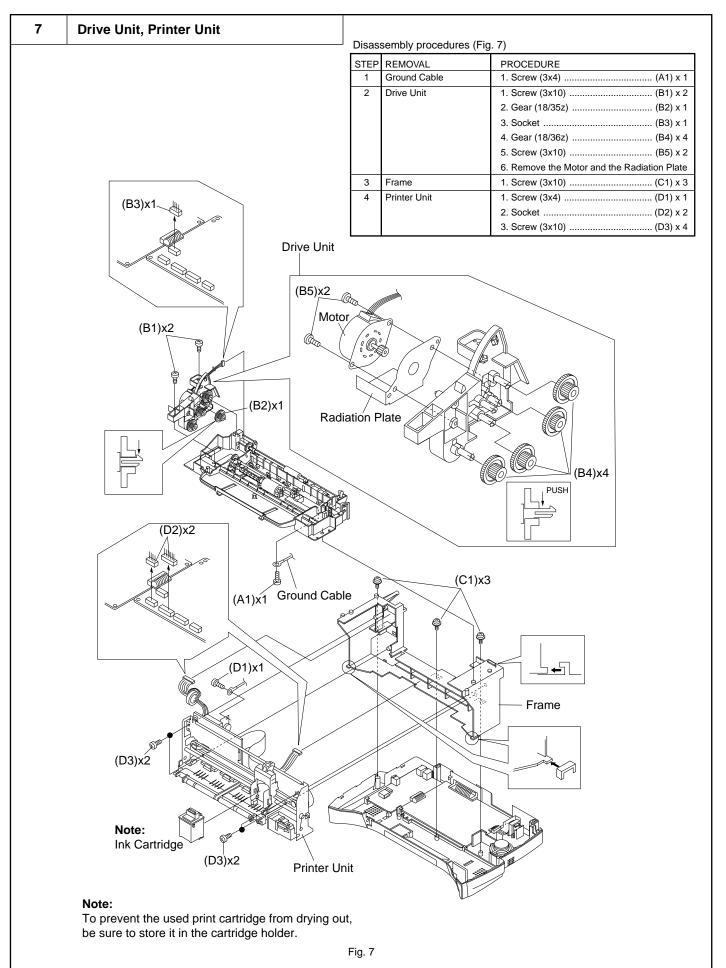
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UX-2200CMU/CMC
FO-2150CMU/CMC
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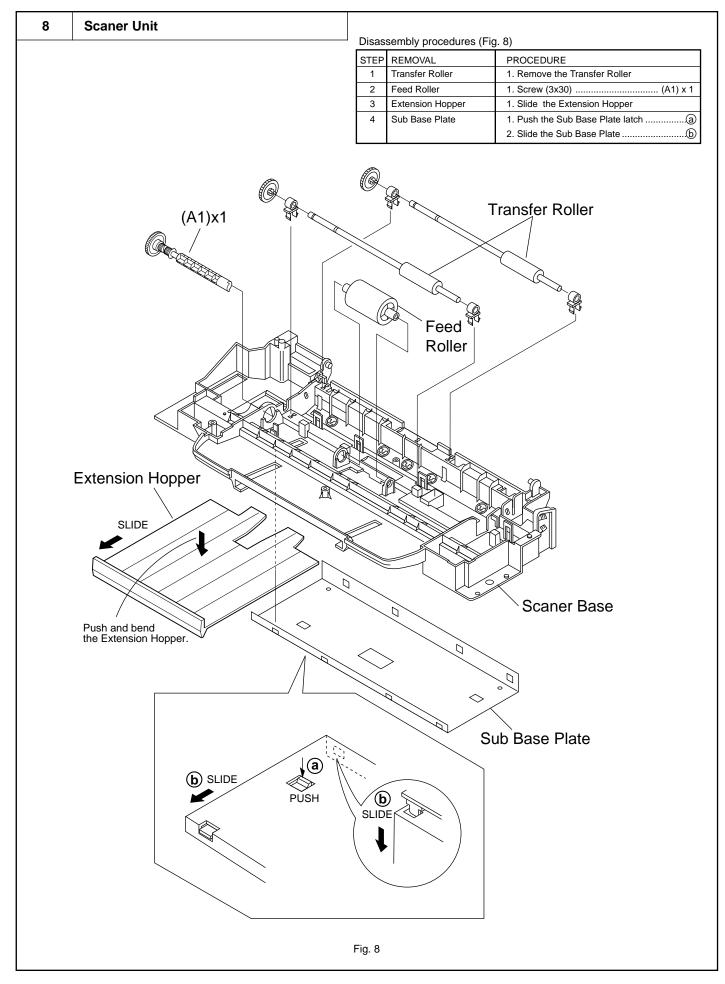












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UX-2200CMU/CMC
FO-2150CMU/CMC
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