

# GBVM CLEANING MANUAL

This manual is a cleaning manual of GBVM installed in GBRU/GBNA.



1. Application model

FUJITSU PARTS No.
KD02136-B020
KD02136-B021
KD02136-B120
KD02136-B121

2. Cleaning tools

- (1) Waste (not dirty) or Eye glasses cloth(Lens cloth)
- (2) Ethanol system solvent or Isopropyl Alcohol
- (3) Cotton swab
- (4) Spatula (made of plastic, rubber or wooden)

Note) Use only for Roller A and for a special adhesion thing .

3. Cleaning procedure

- (1) Take off GBVM from GBRU/GBNA.
  - (2) Clean each sensor(A~D) with Cleaning tools.
  - (3) Clean Transportation Guide/Roller A/Pinch Roller with cleaning tools.
  - (4) Clean Transportation Rubber Roller/Belt/Sensor E with cleaning tools.
  - (5) After cleaning, confirm cleaned places not dirty by visual inspection.
  - (6) Re-assemble GBVM in GBRU/GBNA. Don't forget re-assemble parts, screws and connector.
  - (7) Confirm "the Mechanical reset" of GBRU/GBNA in the state of ATM.
- (There is no ERROR and it ends normally).

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						DRAW. NO. <b>P3KD02136-A002</b>	
						CUST	
02	2009.03.23	M.NAKAO	K.KITANO	Y.KATOH	Item2 of cleaning tools changed		
EDIT	DATE	DESIG.	CHECK	APPR.	DESCRIPTION		
DESIG.	2009.02.25	M.NAKAO	CHECK	K.KITANO	APPR.	Y.KATOH	<b>FUJITSU FRONTECH LIMITED</b>
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4 Recommended cycle for preventive maintenance

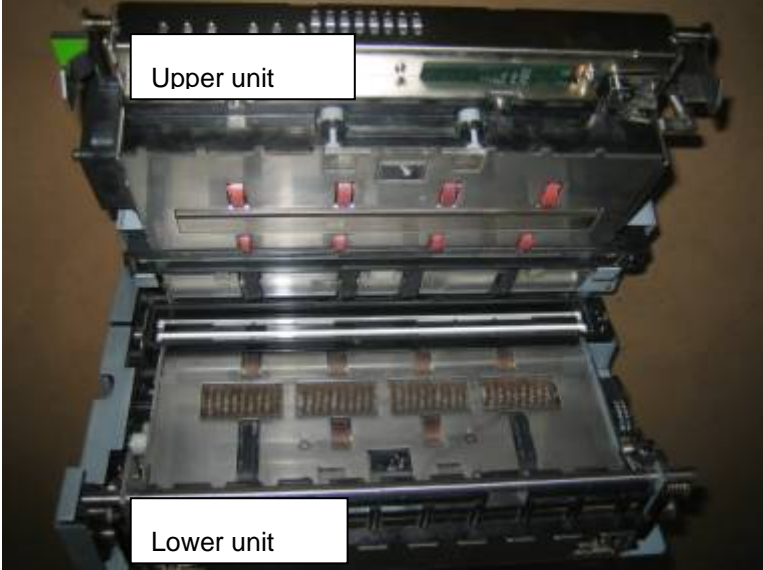
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2,000	60,000	
3,000	90,000	3
4,000	120,000	
5,000	150,000	
6,000	180,000	
7,000	210,000	2
8,000	240,000	
9,000	270,000	
10,000	300,000	

5 Cleaning part and tools

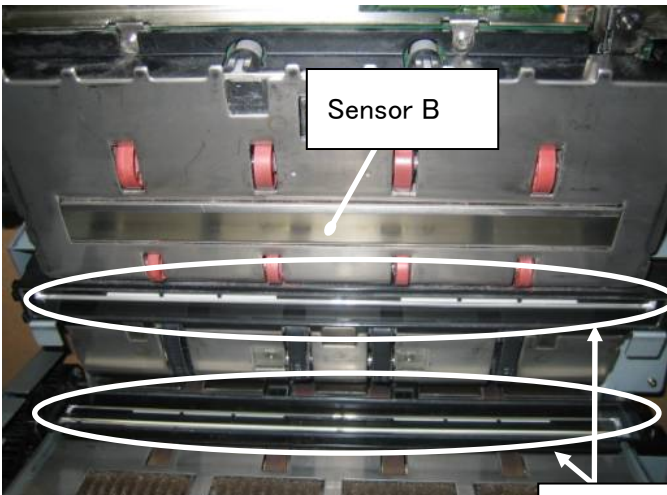
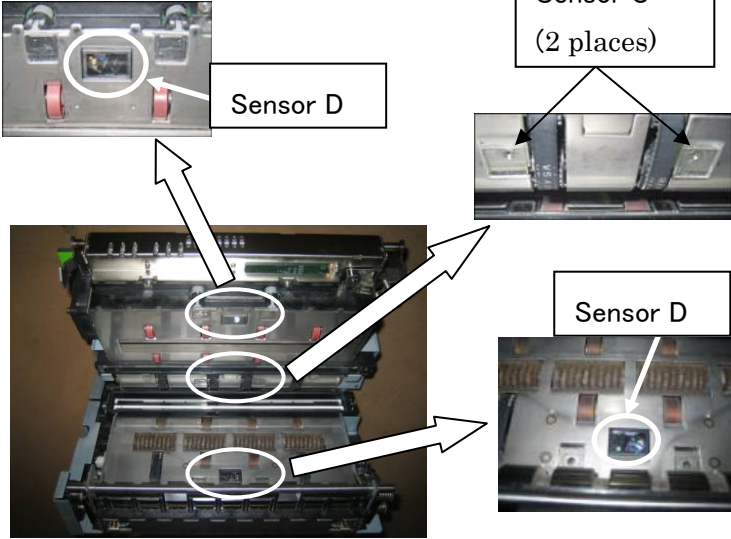
Cleaning tools	Cleaning part	Remarks
Waste(or Lens cloth) and Ethanol system solvent or Isopropyl Alcohol and Cotton swab	Sensor A	2 places
	Sensor B	1 place
	Sensor C	2 places
	Sensor D	2 places
	Transportation Guide	Lower and Upper
	Roller A	2 parts
	Transportation Pinch Roller	8 places
Waste(or Lens cloth) and Ethanol system solvent	Transportation Rubber Roller and Belt	16 places
Waste(or Lens cloth) Note) Don't use Ethanol system solvent	Sensor E	4places

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6 Cleaning details part

Cleaning part	Details
	 <p data-bbox="826 338 1029 398">Upper unit</p> <p data-bbox="826 801 1029 862">Lower unit</p> <p data-bbox="927 891 1152 972">Cleaning area</p>

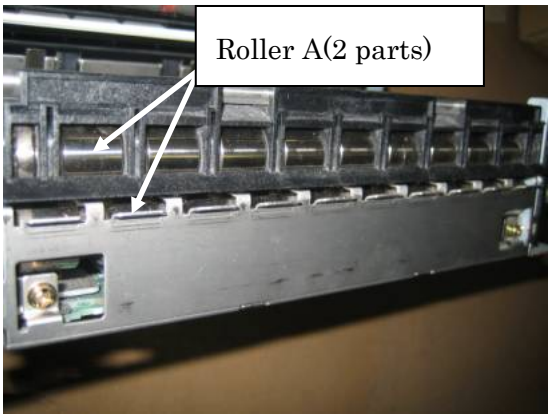
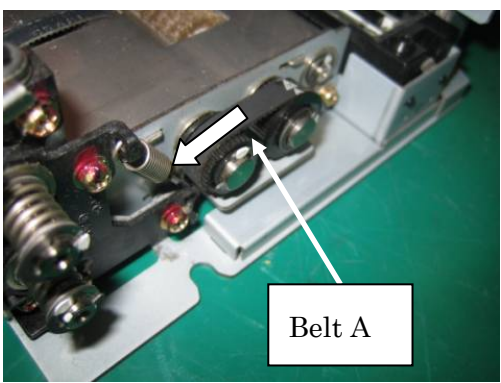
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Cleaning part	Details
Sensor A Sensor B [ Cleaning tool: Waste(or Lens cloth) and Ethanol system solvent Or Isopropyl Alcohol ]	 <p style="text-align: center;">Sensor B</p> <p style="text-align: right;">Sensor A (2 places)</p>
Sensor C Sensor D [ Cleaning tool: Waste(or Lens cloth) and Ethanol system solvent Or Isopropyl Alcohol]	 <p style="text-align: center;">Sensor D</p> <p style="text-align: right;">Sensor C (2 places)</p> <p style="text-align: right;">Sensor D</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>After cleaning, confirm cleaned places (surface of each sensor) not dirty by visual inspection</p> </div>

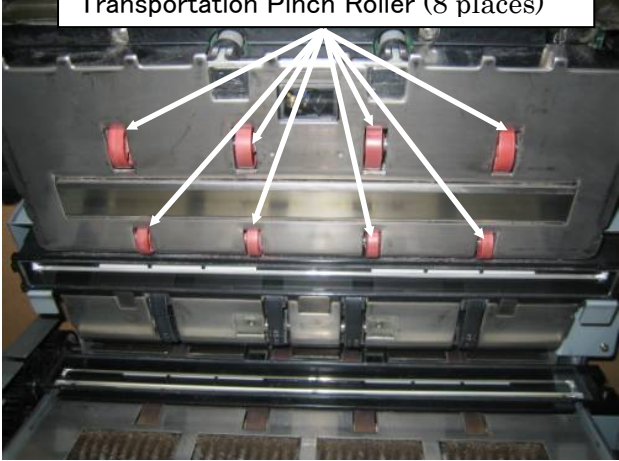
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Cleaning part	Details
<p>Transportation Guide (Lower and Upper) [ Cleaning tool: Waste(or Lens cloth) and Ethanol system solvent Or Isopropyl Alcohol ]</p>	<div data-bbox="678 250 1444 824" style="text-align: center;"> </div> <div data-bbox="686 851 1428 1048" style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>After cleaning, confirm cleaned places (surface of guide) not dirty by visual inspection</p> </div>

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Cleaning part	Details
Roller A [ Cleaning tool: Waste(or Lens cloth) and Cotton swab and Ethanol system solvent Or Isopropyl Alcohol and Spatula ] [Note]	<div data-bbox="766 224 1316 638" style="text-align: center;">  <p>Roller A(2 parts)</p> </div> <div data-bbox="638 672 1436 784" style="border: 1px solid black; padding: 5px;"> <p>Note) Clean the surface all surroundings of Roller A, While moving “belt A” by the hand in the direction of the arrow.</p> </div> <div data-bbox="790 795 1292 1176" style="text-align: center;">  <p>Belt A</p> </div> <div data-bbox="662 1198 1404 1400" style="border: 1px solid black; padding: 10px;"> <p>After cleaning, confirm cleaned places (surface of Roller A) not dirty by visual inspection</p> </div> <div data-bbox="638 1422 1228 1702" style="border: 1px solid black; padding: 10px;"> <p>[Note] Use the spatula only when you cannot remove the adhesion thing . However, use spatula (made of plastic , rubber or wooden) that doesn't damage the surface of Roller A . When the adhesion thing cannot be removed, exchange GBVM unit.</p> </div>

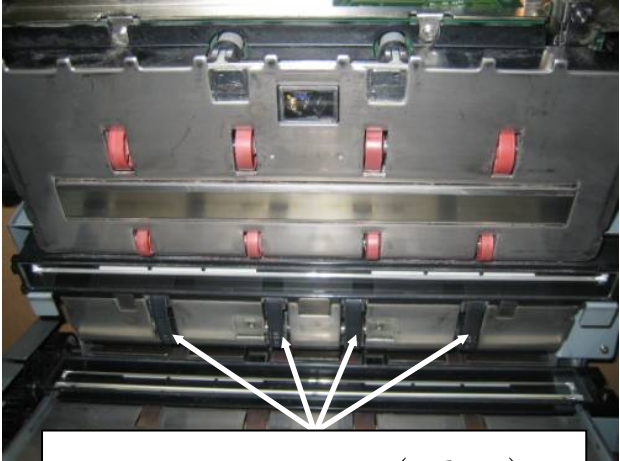
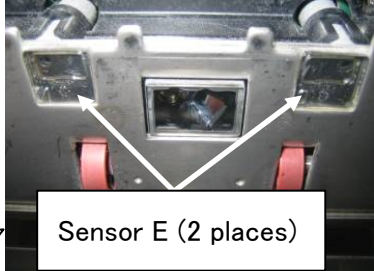
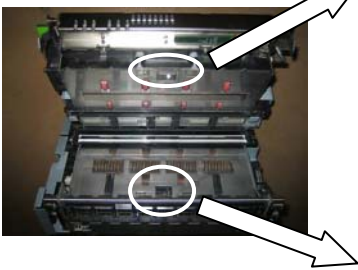
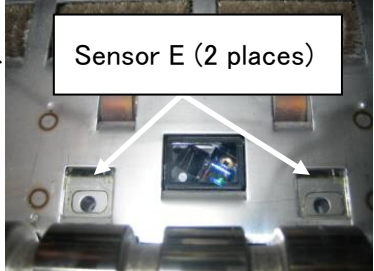
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Cleaning part	Details
Transportation Pinch Roller [ Cleaning tool: Waste(or Lens cloth) and Ethanol system solvent Or Isopropyl Alcohol]	<div data-bbox="790 241 1329 302" style="border: 1px solid black; padding: 5px; text-align: center;">             Transportation Pinch Roller (8 places)           </div>  <div data-bbox="683 761 1441 889" style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <p>Note) Clean the surface all surroundings of pinch roller, while turning pinch roller by the hand.</p> </div> <div data-bbox="694 958 1436 1160" style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <p>After cleaning, confirm cleaned places (surface of pinch roller ) not dirty by visual inspection</p> </div>

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Cleaning part	Details
Transportation Rubber Roller and Belt  Lower unit [ Cleaning tool: Waste(or Lens cloth) and Ethanol system solvent Or Isopropyl Alcohol ]	<div data-bbox="750 241 1388 772"> <p>Transportation Roller(6 places)</p> <p>Transportation Belt(2 places)</p> </div> <div data-bbox="758 801 1364 1254"> <p>Transportation Roller(4 places)</p> </div> <div data-bbox="638 1281 1452 1393"> <p>Note) Clean the surface all surroundings of rubber roller/belt, While moving "belt A" by the hand in the direction of the arrow.</p> </div> <div data-bbox="790 1393 1289 1765"> <p>Belt A</p> </div>

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Cleaning part	Details
Transportation Rubber Belt  Upper unit [ Cleaning tool: Waste(or Lens cloth) and Ethanol system solvent Or Isopropyl Alcohol]	 <p data-bbox="742 672 1284 739">Transportation rubber Belt (4 places)</p> <p data-bbox="662 750 1428 884">Note) Clean the surface all surroundings of rubber belt, while moving rubber belt by the hand.</p>
Sensor E [ Cleaning tool: Waste(or Lens cloth) ] Note) Don't use Ethanol system solvent Or Isopropyl Alcohol]	 <p data-bbox="1061 1187 1348 1265">Sensor E (2 places)</p>   <p data-bbox="1077 1456 1364 1534">Sensor E (2 places)</p>

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