

Mercury-2
IMAGE SCANNER
ILLUSTRATED PARTS CATALOGUE

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2		
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE		
							DRAW. No.	P4PA03607-B00X		CUST.
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924				
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REVISION RECORD		
Edition	Data published	Revised contents
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04	11.January.2012	P9 change P0212A00002
05	13.February.2012	P9 ,13 ,15change P0211A00924

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04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2			
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							DRAW. No.	P4PA03607-B00X		CUST.	
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HOW TO USE THIS MANUAL

ILLUSTRATION

The illustration gives an exploded view of an assembly, and separate parts and how they fit together. Each part has a number corresponding to “# in IPC column” on the parts list.

PARTS LIST

(1) INDEX NO.

The number that corresponds with a parts number in the illustration.

- When the mark ‘*’ precedes the index number, the parts is a Recommended Spare Parts or a Consumables.
- When a ‘-’ is given in this column, the part is not shown in the illustration.
- When blank, and the QUANTITY and SPECIFICATION are given, a whole of that part is not shown in the illustration or that part is illustrated for detail breakdown in the other page.

(2) COMPOSITION & QUANTITY

This column shows the relationship among units, assemblies, subassemblies, and parts. A unit indicated in a column is assembled by the parts or units indicated in the next right column. The figure is the quantity of the parts needed to assemble into the higher assembly.

(3) SPECIFICATIONS

This column shows part number of the units, or parts.

(4) DESCRIPTION

The part name, applicable device number, and other information are given in this column.

OTHERS

The parts other than the parts marked with ‘*’ in INDEX NO. column are listed in SPARE PARTS LIST REPAIR.

NOTE:

Newly added/changed parts may not be listed in RSPL or SPLR for a while as it takes a few weeks for pricing.

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2		
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE		
							DRAW. No.	P4PA03607-B00X		CUST.
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924				
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MODELS

Mercury-2		
Destination	PFU Part Number	Remark
Europe	PA03607-B001	<i>fi</i> -6110
North America	PA03607-B002	<i>fi</i> -6110
FCPA	PA03607-B005	<i>fi</i> -6110
FHK	PA03607-B007	<i>fi</i> -6110
FCPA Trade Compliant	PA03607-B015	<i>fi</i> -6110

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2			
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE			
							DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924					
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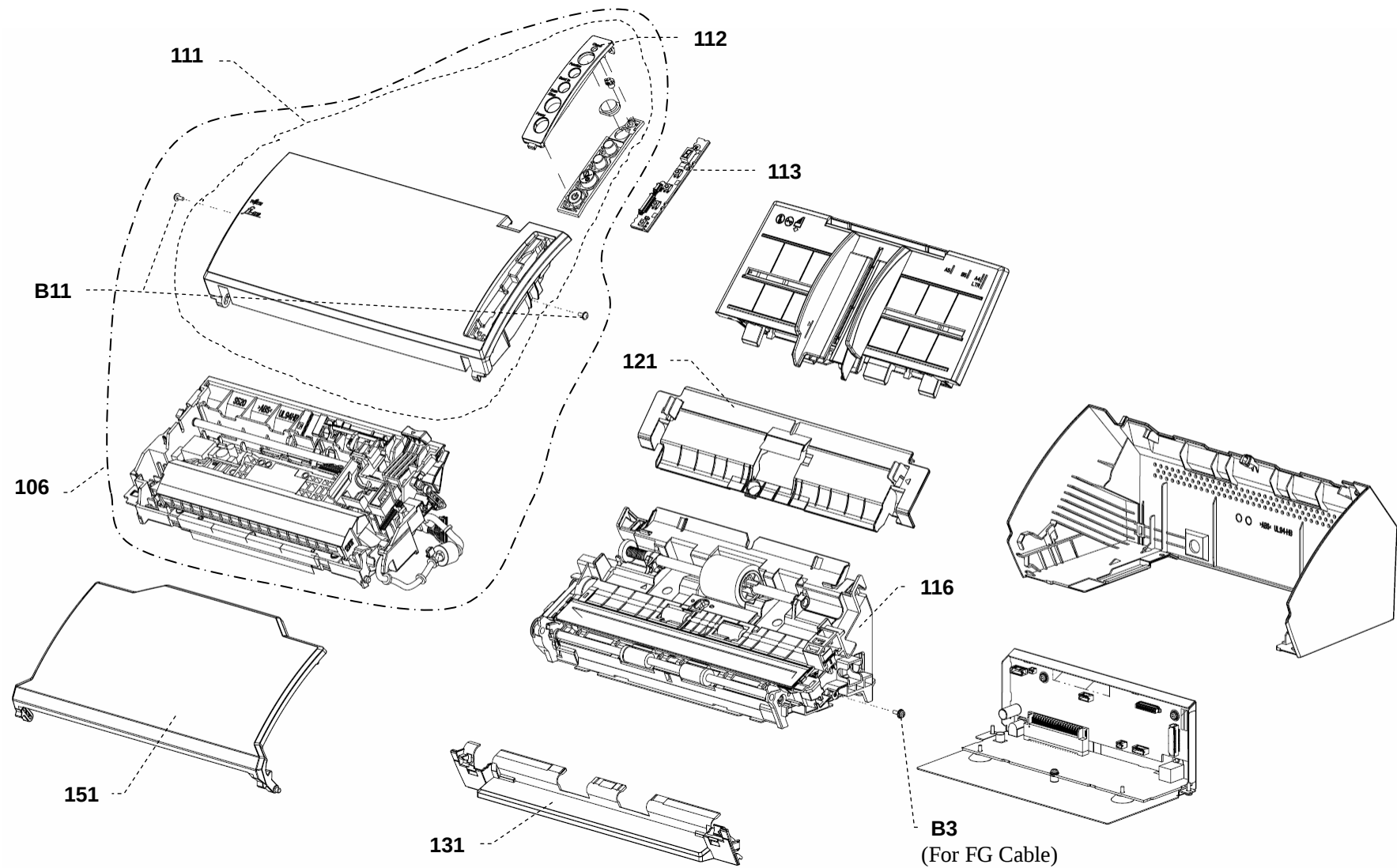
FIGURE B.5

WASHER.....

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04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2		
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE		
							DRAW. No.	P4PA03607-B00X		CUST.
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FIGURE 1. FINAL ASSEMBLY



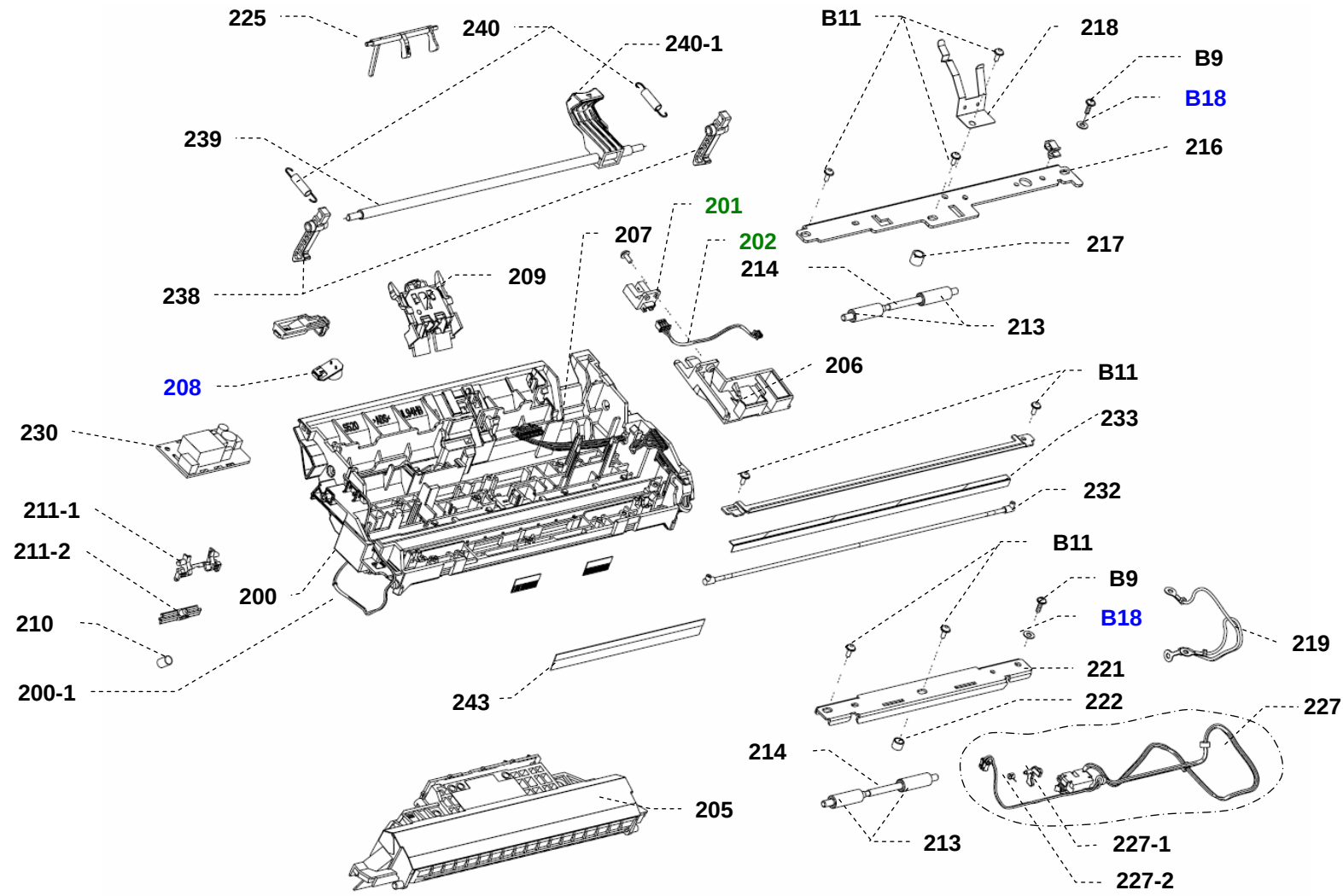
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03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087			
							DRAW. No.	P4PA03607-B00X	CUST.
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FIGURE 1-1. FINAL ASSEMBLY

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION	MODELS
					Mercury-2		
*106 *111 112	1	1	1		PA03607-D991 PA03607-D981 PA03607-Y111	REVOLVE UNIT TOP COVER ASSY TOP-COVER-LID	for -B001,-B002,-B005,-B015 for -B001,-B002,-B005,-B015 for -B001,-B002,-B005,-B015
B11		2			PA83952-2636	PT SCREW	
*106 *111 112	1	1	1		PA03607-D997 PA03607-D987 PA03607-Y117	REVOLVE UNIT TOP COVER ASSY TOP-COVER-LID	for -B007 for -B007 for -B007
B11		2			PA83952-2636	PT SCREW	
*113	1				PA03607-K980	PANEL PCA	
*116 B3	1 1				PA03607-D971 RU6SW3N3-08121	FIXED UNIT SCREW	
*121	1				PA03607-E981	GUIDE P ASSY	
*131	1				PA03607-E961	GUIDE A	
*136	1				PA03607-E951	CHUTE ASSY (See Fig.4)	
*151	1				PA03607-E941	STACKER ASSY	
* - * - * - * - * - * -	1 1 1 1 1 1				PA03586-K931 PA63112-2001 PA63113-2001 PA63115-1831 PA61001-0171 PA63118-2001	AC ADAPTER AC CABLE E AC CABLE U AC CABLE C USB CABLE AC CABLE UK	for -B001 for -B002 for -B007 for -B001
* - * - * -	1 1 1				PA03607-D960 PA03277-Y123 PA93010-Y790	ADJ-CHART-KIT TEST CHART (W) ADJUST-CHART-A4	
* -	1				PA03607-K990	ADJ SPRING 2	

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2		
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE		
							DRAW. No.	P4PA03607-B00X		CUST.
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924				
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FIGURE 2. REVOLVE UNIT



04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2			
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE			
							DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924					
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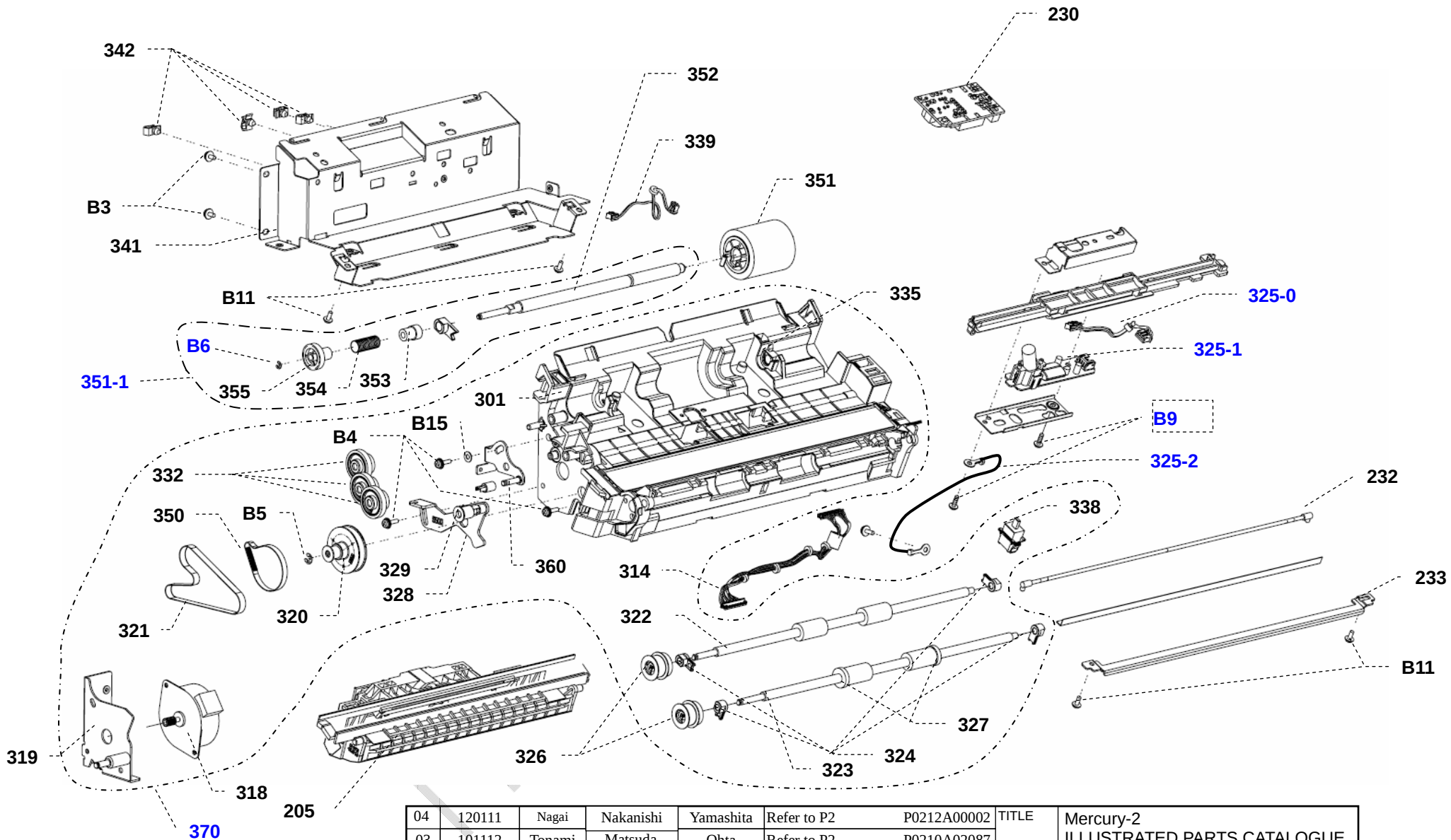
FIGURE 2-1. REVOLVE UNIT

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION
*106	1				(See Figure 1)	REVOLVE UNIT
200	1				PA03607-K970	REV FRAME ASSY
200-1	1				PA03586-K970	US-RV-HARNESS
					PA70002-5299	
*201	1					EMPTY SENSOR
*202	1				PA03607-K944	EMP-HARNESS
					PA03607-K945	
*205	1					OPTICAL UNIT
					PA03607-E911	
207	1					BS HARNESS
*208	1				PA70002-2608	US SENSOR RV
					PA03484-K905	
**209	1					PAD ASSY
					PA03586-0002	
210	1					PAD-SPRING
					PA03586-Y156	
211-1	1					PAD-PLATE
211-2	1				PA03586-Y152	PAD-PLATE-BASE
213	4				PA03586-Y153	PINCH ROLLER
					PA03360-Y002	
217	1					FEED-SPRING2
218	1				PA03360-Y036	FEED FG PLATE
B11	3				PA03586-Y103	PT SCREW
B9	1				PA83952-2636	PT SCREW
B18	1				PA83952-2638	WASHER
219	1				RU6WB3-121	FG HARNESS
					PA70002-2610	
222	1					EXIT-SPRING
					PA03360-Y005	
B11	2					PT SCREW
B9	1				PA83952-2636	PT SCREW
B18	1				PA83952-2638	WASHER
					RU6WB3-121	

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION
225			1		PA03360-Y006	EMPTY ARM
*227			1		PA03586-F917	SENSOR ASSY B3
227-1				1	PA03586-Y212	TOP ARM
227-2				1	PA03360-Y024	TOP ARM SPRING
*230			1		PA03586-K940	INVERTER
*232			1		PA03586-K946	LAMP
238			2		PA03586-Y178	LOCK-ARM2
240			2		PA03586-Y179	LOCK SPRING2
240-1			1		PA03607-Y141	LEVER
B11			2		PA83952-2636	PT SCREW
243			1		PA03586-Y173	J-SHEET
					PA03586-Y221	
*111			1		PA03607-D981	TOP COVER ASSY
B11			2		PA83952-2636	PT SCREW

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2			
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE			
							DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924					
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FIGURE 3. FIXED UNIT



04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2 ILLUSTRATED PARTS CATALOGUE		
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087				
							DRAW. No.	P4PA03607-B00X		CUST.
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924				
Rev	DATE	DESIG	CHECK	APPR.	DESCRIPTION		PFU LIMITED		PAGE	10/16
DESIGN	100301	Yoshida	CHECK	Kawata	APPR.	Yasukawa				

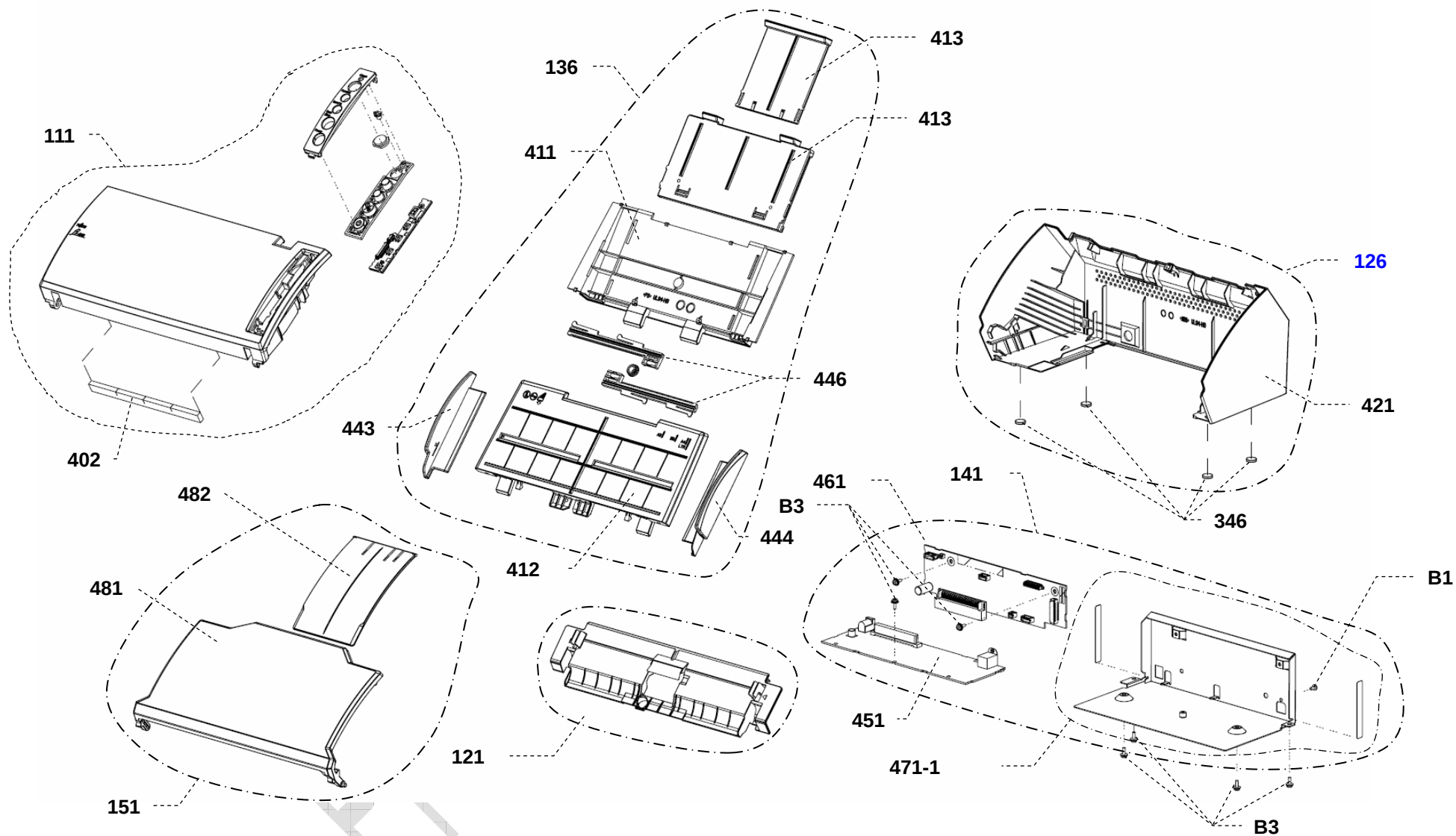
FIGURE 3-1. FIXED UNIT

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION
*116	1				(See Figure 1)	FIXED UNIT
*232	1				PA03586-K946	LAMP
B11	2				PA83952-2636	PT SCREW
*230	1				PA03586-K940	INVERTER
*205	1				PA03607-E911	OPTICAL UNIT
314	1				PA70002-5295	CCD-HARNESS-F2
*370	1				PA03586-E901	FIX SUB UNIT
300	1				PA03586-K971	FIX FRAME ASSY
					-	-
*318	1				PA03586-K981	MOTOR
320	1				PA03360-Y133	W PULLEY
B5	1				PA83952-4605	E-RING
321	1				PA03951-1031	BELT
*322	1				PA03586-K984	FEED ROLLER
*323	1				PA03586-K983	EXIT ROLLER
324	4				PA03360-Y113	BEARING M
325-0	1				PA70002-5292	US-FIX-HARNESS
*325-1	1				PA03586-K942	US SENSOR F
325-2	1				PA70002-5296	FG HARNESS
B9	2				PA83952-2638	PT SCREW
326	2				PA03360-Y103	PULLEY M
*327	2				PA03360-K941	HK RING

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION
329	1				PA03360-Y108	IDLE PULLEY
B4	3				RU6SW3N3-10121	SCREW
B15	1				RU6WM3-121	WASHER
332	3				PA03360-Y104	GEAR
338	1				PA49001-0377	SWITCH
350	1				PA03951-0931	BELT S
360	1				PA03360-Y134	IDLER S
351	1				PA03586-0001	PICK ROLLER
*351-1	1	1			PA03586-K943	PICK SHAFT ASSY
352	1				PA03586-Y091	PICK SHAFT
335	1				PA03360-Y141	PICK BEARING M
353	1				PA03360-Y107	CLUTCH
354	1				PA03360-Y106	CLUTCH SPRING
355	1				PA03586-Y061	PICK GEAR
B6	1				PA83952-4603	E-RING
335	1				PA03360-Y141	PICK BEARING M
339	1				PA70002-5293	SE-HARNESS-F2
B3	2				RU6SW3N3-08121	SCREW
B11	2				PA83952-2636	PT SCREW

04	120111	Nagai	Nakanishi		Yamashita	Refer to P2		P0212A00002	TITLE	Mercury-2			
03	101112	Tonami	Matsuda		Ohta	Refer to P2		P0210A02087		ILLUSTRATED PARTS CATALOGUE			
									DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda		Maki	Refer to P2		P0211A00924					
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FIGURE 4. PCA, COVER, CHUTER AND



04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2			
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE			
							DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924					
Rev	DATE	DESIG	CHECK	APPR.	DESCRIPTION			PFU LIMITED		PAGE	12/16
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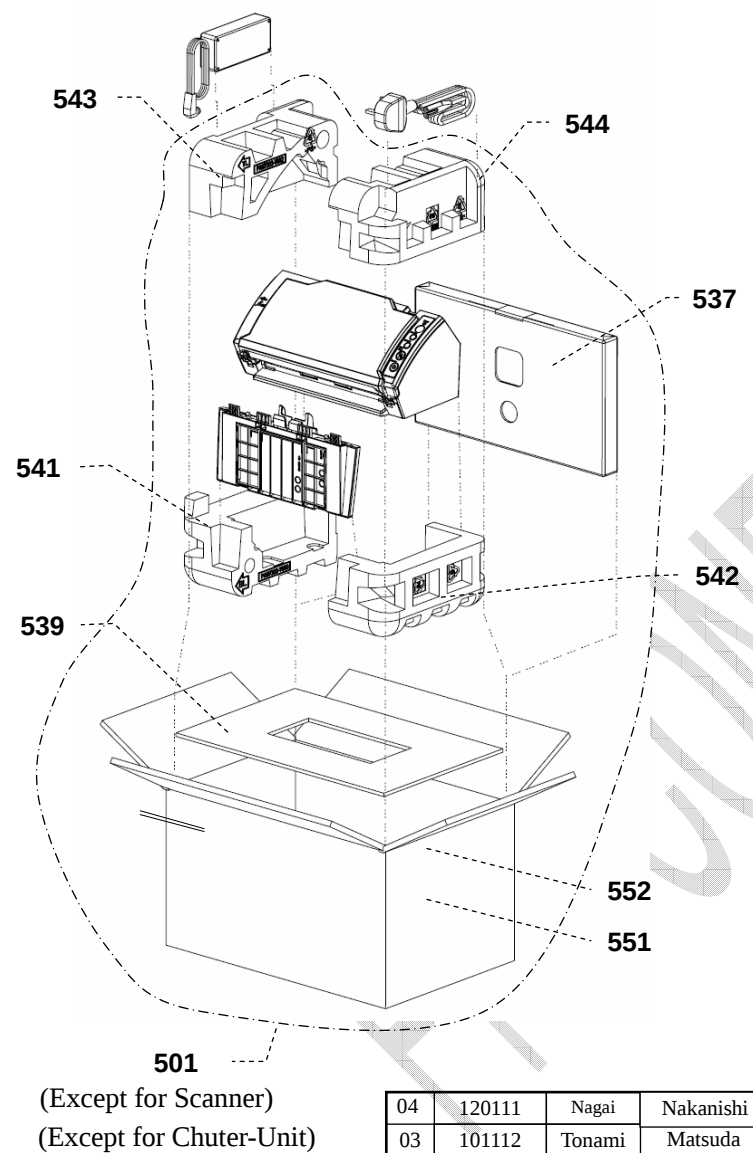
FIGURE 4-1. PCA, COVER, CHUTER AND STACKER

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION
*111		1			PA03607-D981	TOP COVER ASSY
*136	1				PA03607-E951	CHUTE ASSY
400						
413		1			PA03360-Y632	CHUTER-EXTEND1 DM
414		1			PA03360-Y633	CHUTER-EXTEND2 DM
346			4		PA03360-Y807	RUBBER
*131	1				PA03607-E961	GUIDE A
*121	1				PA03607-E981	GUIDE P ASSY

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION
*451	1				PA03607-K987	CONTROL PCA
B3	1				RU6SW3N3-08121	SCREW
B1	1				RU6SNA3-05121	SCREW
*461	1				PA03586-K989	ANALOG PCA
B3	2				RU6SW3N3-08121	SCREW
B3	4				RU6SW3N3-08121	SCREW
*151	1				PA03607-E941	STACKER ASSY
481		1			PA03586-Y241	STACKER
		1			PA03607-Y241	
482			1		PA03586-Y251	STACKER EXTEND
					PA03607-Y251	STACKER EXT
471-1	1				PA03586-F200	CT-SUB-ASSY

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2			
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE			
							DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924					
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FIGURE 5-1. PACKAGING BOX for Scanner



501
(Except for Scanner)
(Except for Chuter-Unit)

INDEX NO.	CONPOSITION & QUANTITY				SPECIFICATION	DESCRIPTION	MODELS
501	1				PA03607-K011	PACKAGE	for -B001,-B002,-B005,-B015 for -B007
501	1				PA03607-K017	PACKAGE	
537	1				PA97303-Y665	ACC-TRAY	for -B001,-B002,-B005,-B015 for -B007
539	1				PA97301-Y249	BT-BOARD	
541	1				PA97303-Y660	CUSHION BL	
542	1				PA97303-Y661	CUSHION BR	
543	1				PA97303-Y662	CUSHION TL	
544	1				PA97303-Y663	CUSHION TR	
551	1				PA97303-Y671	OUTER BOX	
552	1				PA97300-G147	OUTER BOX PACK	

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2 ILLUSTRATED PARTS CATALOGUE	
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087			
							DRAW. No.	P4PA03607-B00X	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924		CUST.	
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								14/16	

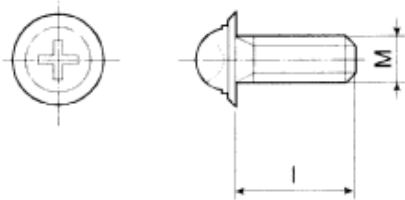
LIST OF STANDARD FASTENERS

The fasteners in the scanner are listed in Table B.1.

Table B.1 LIST OF THE FASTENER

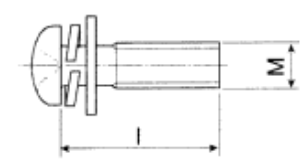
INDEX No.	PARTS NUMBER	DESCRIPTION	FIGURE
B1	RU6SNA3-05121	SCREW M3x5	Fig B.1
B3	RU6SW3N3-08121	MACHINE SCERW W/WASHER M3x8	Fig B.2
B4	RU6SW3N3-10121	MACHINE SCERW W/WASHER M3x10	Fig B.2
B5	PA83952-4605	E-RING(RoHS)	Fig B.3
B6	PA83952-4603	E-RING(RoHS)	Fig B.3
B9	PA83952-5038	PT SCREW(RoHS)	Fig B.4
Rev.05	PA83952-2638		
B11	PA83952-2636	PT SCREW	Fig B.4
B15	RU6WM3-121	WASHER M3	Fig B.5
B18	RU6WB3-121	WASHER M3	Fig B.6

FIGURE B.1 SCREW



INDEX No.	PARTS NUMBER	M	l
B1	RU6SNA3-05121	3	5

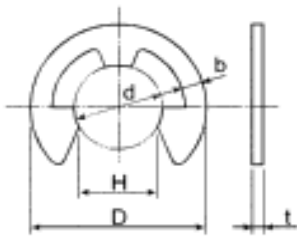
FIGURE B.2 MACHINE SCREW WITH WASHER



INDEX No.	PARTS NUMBER	M	l
B3	RU6SW3N3-08121	3	8
B4	RU6SW3N3-10121	3	10

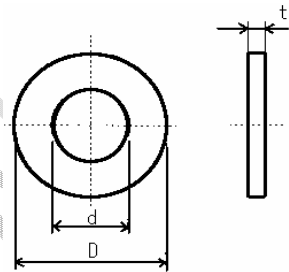
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03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE			
							DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924					
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FIGURE B.3 E-RING



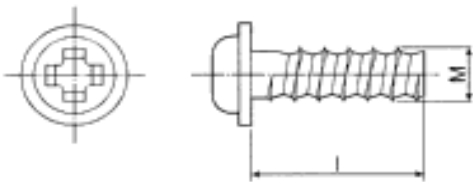
INDEX No.	PARTS NUMBER	D	d	H	t
B5	PA83952-4605	7	3	2.6	0.6
B6	PA83952-4603	5	2	1.7	0.4

FIGURE B.5 WASHER



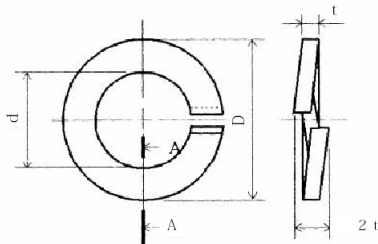
INDEX No.	PARTS NUMBER	D	d	t
B15	RU6WM3-121	7	3.2	0.5

FIGURE B.4 SELF-TAPPING SCREW



INDEX No.	PARTS NUMBER	M	l
B9	PA83952-2638	3	8
B11	PA83952-2636	3	6

FIGURE B.6 WASHER



INDEX No.	PARTS NUMBER	D	d	t
B16	RU6WB3-121	5.9	3.1	0.7

04	120111	Nagai	Nakanishi	Yamashita	Refer to P2	P0212A00002	TITLE	Mercury-2			
03	101112	Tonami	Matsuda	Ohta	Refer to P2	P0210A02087		ILLUSTRATED PARTS CATALOGUE			
							DRAW. No.	P4PA03607-B00X		CUST.	
05	120213	Yashima	Ueda	Maki	Refer to P2	P0211A00924					
Rev	DATE	DESIG	CHECK	APPR.	DESCRIPTION			PFU LIMITED		PAGE	16/16
DESIGN	100301	Yoshida	CHECK	Kawata	APPR.	Yasukawa					