

Model: Kir-C3 (Panda-C2)		Date: 6-Dec-06	No.: RB245018
Subject: Technical information for Panda-C2		Prepared by: M. Ishihara	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB shows the differences from the Kir-C3a.

## ● Overview

This model is a simple copier, with no DF, duplex, FAX, Printer or Scanner functions.

- Base model: Kir-C3a (B245-17, 19, 22, 24, 26, 27, 28, 29)
- **Model Name: RICOH Aficio MP 1800 (EDP: 413599)**
- **Code: B245-21**
- Options: Universal Handle (Accessibility Handle Type A, B272-17, EDP: 412933)

**Note:** This is the only option that can be used with this product. It is a common option with the Great Wall-C1.

## ● Differences from the Kir-C3a

### 1. Basic Specifications

- **Copy Speed: 18cpm** (15cpm for Kir-C3a)
- **Warm-up time: 25 sec.** (10 sec. for Kir-C3a)
- Options: No option except the above handle (ADF for Kir-C3a)
- **Platen cover: Standard**

### 2. Units:

- Fusing: 1 Fusing Lamp (2 Fusing Lamps for Kir-C3a)
- **Note:** The fusing solenoid was removed due to the change in warm-up time from 10 to 25 sec.
- Unique PSU (some parts were removed from the Kir-C3a PSU due to the changes in the fusing section).
- DF: Removed (there is no DF),
- Unique BiCU.
- **The original size detection sensor was removed.**
- **The paper size detection sensor for the by-pass feed table was removed.**

### 3. Differences in the Service Manual

## Installation

-Copier Installation-

Accessory Check

No.	Description	Q'ty
1	Sheet : Name : Tel : CHN	1
2	Decal : Certificate	1
3	Guarantee Sheet	1
4	Operating Instructions	1
5	Toner	1
6	Developer	1
7	Seal : Lifting Grip	1

## Troubleshooting

### SCs:

- SCs common to the Panda-C2 and Kir-C3:

Original scanning section: SC 101, 120, 121, 143, 144, 145, 193, 198

Image processing section: SC 302, 320, 321, 322, 350, 390, 391, 392, 401, 402

Paper feed/transport/fusing: SC 500, 541, 542, 543, 544, 545, 546, 547, 559, 590

Others: SC928, 981, 982

- SCs that were changed on the Panda-C2:

SC 542 Fusing Temperature warm-up error (center):

The fusing temperature rises less than 9 degrees (7 degrees for K-C3a) within 3 seconds (2 seconds for K-C3a), and this happens 5 times in a row. This fusing temperature is not detected within 35 seconds (25 seconds for K-C3) or 90 seconds (35 seconds for K-C3a) under low-temperature conditions.

SC 545 Fusing lamps overheat error (error):

After the fusing temperature reaches the target temperature, the fusing lamp does not turn off within 15 seconds (12 seconds for K-C3a).

## Service Tables

### -SP Mode Table-

- The following SPs can be accessed, but **do not change these SP values**. This is because this model is for the China market only.

- SP5-807-001 Area Selection
- SP-5-907-001 Plug & Play Setting

- SP/UP settings unique to the Panda-C2:

None (No new SPs/Ups)

- SPs that are different on the Panda-C2:

- SP1-103-001 Fusing Idling **0=No**, 1=Yes (*Reload*)

#### 1-105 Fusing Temperature Adjustment

-003 Standby-Center (160 - **175** –190)

-005 Copying-Center (160 - **175** – 190)

-007 Low Level 2-Center (0 – **60** – 100)

-009 Thick-Center (160– **185** – 195)

- SP1-107 Fusing Soft Start

-001 Warm up Soft Start 0=6 cycles, 1=10 cycles, **2=20 cycles**

-002 Other Soft Start 0=6 cycles, 1=10 cycles, **2=20 cycles**

- SP1-108-001Set – Fusing Start **0=1 sec**. 1=2 sec. 2=3 sec

- SPs common to the Panda-C2 and Kir-C3:

#### 1. Paper feed/Transport/Fusing

SP1-001-001, 002, -002-001, 005, -003-001,004, -103-001, -105-003,005,007,009, -106-001, -107-001,002, -108-001, -109-001, -110-001, -159-001, -902-001, -903-001, -911-001.

#### 2. Drum Unit

SP2-001-001,002, -101-001,002,003,004, -201-001,002, -213-001, -214-001, -220-001, -221- 001,002,003,004,005,006, -301-001,002,004, -802-001, 906-001,002, -908-001, -915-001, -921-001, -922-001, -923-001, -925-001, -926-001, -927-001, -928-001, -929-001,002, -994-001, -996-001, -998-001.

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### 3. Original scanning

SP4-008-001, -009-001, -010-001, -011-001, -012-001,002,003,004,  
 SP4-013-001, -015-001,002, -428-001, -901-002,003,004,005,006,010,011,012,  
 -902-001, -903-001, -904-001, -905-001, -921-001, -922-001, -922-001, -923-  
 001, -926-001, -927-001, -928-001, -929-001, -930-001, -931-001, -932-001,  
 -941-001.

### 4. Operation Mode/System

SP5-001-001, -104-001, -501-001, -801-002, -802-001, -803-\*\*\*, -804-\*\*\*, -807-  
 001, -811-001, -812-001,002, -824-001, -825-001, -827-001, -901-0101,  
 -902-001, -907-001, -990-001,002,003,004,005.

### 5. Logging

SP7-001-001, -401-001, -403-001, -502-001, -504-001,010,050,070,120,121,122,  
 -507-001, -801-002, -803-001, -804-001, -807-001, -808-001, -810-001,  
 -832-001, -991-001,003,004,005, -992-001,005.

### 6. History Logging

SP8-192-001, -381-001, -382-001, -391-001, -442-\*\*\*, -451-001,002, -462-\*\*\*,  
 -522-001.

## Detailed Section Descriptions

### -Fusing Unit-

Component Part	Panda-C2	Kir-C3a	Notes
Fusing Lamp	1pc	2pcs	
Thermostat	2pcs	4pcs	(The 2 center thermostats remain)
Fusing Cleaning Roller	No	Yes	
Drive Release Solenoid	No	Yes	

SP modes and SCs for fusing: See above.

**Point-to-Point Diagram:** Posted to the RISSN server on Nov.29, 2006.

(See: \New Pro\ServiceM\Model\_PD-C2\P to P)

**Parts Catalog:** Posted to the RISSN server on Dec. 1, 2006.