CANON

Color
imageCLASS
MF746Cdw

Service Guide

For Dealers

IMPORTANT

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REVISION HISTORY

Revision	Date	Section(s)	Details
—	May 2019	All	Release of the Color imageCLASS MF746Cdw Service Guide for Dealers.

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Contents

I.   Product Overview

The Color imageCLASS MF746Cdw is a compact, all-in-one, duplex, color and B&W (Black-and-White), wireless, mobile-ready device with copy, print, scan, send, and fax capabilities. This model also brings the following capabilities to users:

- Copy and print speeds of up to 28 ppm (pages-per-minute) in color or B&W using LTR (letter-sized) paper.
- Single-Pass DADF (Duplex Automatic Document Feeder) with a capacity of up to 50-sheets (LTR).
- Single-Pass 2-Sided Scanning.
- Includes a front-loading paper cassette with a capacity of up to 250 sheets (and a multipurpose tray with a capacity of up to 50 sheets (LTR, 20 lb bond (80 g/m^2)).
- Ability to attach an optional paper cassette with a capacity of 550 sheets.
- Standard 33.6 Kbps Super G3 fax capabilities.
- Includes a USB 2.0 high-speed port for printing from and scanning to USB memory.
- Meets the ENERGY STAR guidelines for energy efficiency. Approximately 0.6 W of energy is used in the Energy Saver mode.
- Standard UFR II LT, PCL 5c/6, and PostScript printing.
- Google Cloud Print capable.
- Apple AirPrint capable[1].
- Built-in network connectivity that supports network printing, scanning, and PC faxing.
- Includes Print modes such as, Watermark, Page Composer, Toner Saver, Poster, and Booklet.
- Embedded uniFLOW and NFC (Near Field Communication) capabilities
- Wi-Fi capabilities include Duplex Print, Scan, and PC Fax at speeds of up to 802.11b/g/n[2].

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1 Compatible with the iPad, iPhone, and iPod touch.
2 Wireless performance may vary, depending on terrain and distance between the printer and wireless network clients.

II.   Product Configuration, Box Contents, and Monthly Print Volume

A. Configuration and eCarePAKs

Note: All configurations shown are for reference purposes only, and are subject to change without notice. Please refer to the Price List in the CNA (Canon Network Access) Web site www.cna.cusa.canon.com for the most up-to-date item numbers.

Table 1 — Configuration

Item	Item Number[3]
Color imageCLASS MF746Cdw 	
Color imageCLASS MF746Cdw	3101C005AA
Supplies and Consumables	
Cartridge 055 Black (Yields approximately 2,300 pages (LTR), with the factory default print density setting.)	3016C001AA
Cartridge 055 Cyan (Yields approximately 2,100 pages (LTR), with the factory default print density setting.)	3015C001AA
Cartridge 055 Magenta (Yields approximately 2,100 pages (LTR), with the factory default print density setting.)	3014C001AA
Cartridge 055 Yellow (Yields approximately 2,100 pages (LTR), with the factory default print density setting.)	3013C001AA
Cartridge 055 H Black (Yields approximately 7,600 pages (LTR), with the factory default print density setting.)	3020C001AA
Cartridge 055 H Cyan (Yields approximately 5,900 pages (LTR), with the factory default print density setting.)	3019C001AA
Cartridge 055 H Magenta (Yields approximately 5,900 pages (LTR), with the factory default print density setting.)	3018C001AA
Cartridge 055 H Yellow (Yields approximately 5,900 pages (LTR), with the factory default print density setting.)	3017C001AA
Optional Accessories	
Cassette Feeding Module-AF1 (550-Sheet Cassette Pedestal)	0732A032AA

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3   Item numbers and part numbers are subject to change without notice.

Table 1 — Configuration (Continued)

Item	Item Number[3]
uniFLOW SPP (Secure Printing) License Options	
SPP Device License for CMFP – 1 Device	3575B197AA
SPP Device License for CMFP – 10 Devices	3575B198AA
SPP Device License for CMFP – 25 Devices	3575B199AA
SPP Device License for CMFP – 50 Devices	3575B200AA
SPP Device License for CMFP – 75 Devices	3575B201AA
SPP Device License for CMFP – 100 Devices	3575B202AA
SPP Device License for CMFP – 250 Devices	3575B416AA
Service Materials and Parts Catalog	
Color imageCLASS MF746Cdw Service Manual	Available for download on the e-Support Web site
Color imageCLASS MF740Cdw Series Parts Catalog	

3   Item numbers and part numbers are subject to change without notice.

Table 2 — eCarePAKs

eCarePAKs are available for purchase through an Authorized Canon Reseller or Distributor. For more information, see "eCarePAK Extended Service Plan," on p. 21.

Model	Extended Coverage Length and Type	Item Number[3]
Color imageCLASS MF746Cdw	1 Year Exchange/Carry-in	5707B050AA
	2 Year Exchange/Carry-in	5707B051AA
	3 Year Exchange/Carry-in	5707B052AA
	4 Year Exchange/Carry-in	5707B053AA

3   Item numbers and part numbers are subject to change without notice.

B. Box Contents

Note: The box contents shown below are for reference purposes only, and are subject to change without notice.

- Color imageCLASS MF746Cdw
- Power Cord
- USER Software DVD-ROM
- Telephone Cable
- Starter Cartridge 055 CMY (1,200 pages) and Cartridge 055 Black
- Starter Guide
- Warranty Card

C. Monthly Print Volume

The optimum performance range is the volume range that the equipment is intended to run on a regular basis to maintain a high-level of performance and print/copy quality.

The maximum monthly print volume is the maximum number of pages the machine can produce within a one (1) month period (based on LTR paper). It is recommended not to use the device to produce the maximum number of pages, or a greater volume, on a consistent monthly basis.

Table 3 — Maximum Monthly Print Volume

Model	Optimum Performance Range	Maximum Monthly Print Volume
Color imageCLASS MF746Cdw	750 to 4,000 pages	Up to 50,000 prints

III.   Service Authorization

To obtain and maintain authorization to provide warranty and post-warranty service, a dealer must have at least one (1) employee who has successfully completed the Color imageCLASS MF746Cdw device-training program.

IV.   Educational Training

A. Training Program Overview

The Color imageCLASS MF746Cdw/MF735Cdw online training course introduces the student to the main features and specifications of the device; reviews the device's configuration; discusses basic troubleshooting techniques, and demonstrates common servicing items for the machine.

The Color imageCLASS MF746Cdw/MF735Cdw online training course is available via the TRAINING section of the e-Support Center Web site.

Table 4 — Online Training Course

Course Name[4]	Course Code[4]
Color imageCLASS MF746Cdw/MF735Cdw Online Training	19ICMF73574600O

B. Certification

Technicians with a previous certification on the Color imageCLASS MF735Cdw are automatically certified on the Color imageCLASS MF746Cdw. However, new technicians must successfully complete the Color imageCLASS MF746Cdw/MF735Cdw online training course and pass their final assessment exam, to sell and service the Color imageCLASS MF746Cdw.

Certification includes the following devices:

- Color imageCLASS MF746Cdw
- Color imageCLASS MF735Cdw

C. Who Should Attend

It is recommended that any technician responsible for installing, servicing, and supporting the Color imageCLASS MF746Cdw machine must successfully complete the Color imageCLASS MF746Cdw/MF735Cdw online training course and pass the certification exam to receive technical support and dealer authorization to sell these products.

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4   Course names and course codes are subject to change without notice.

D. Prerequisites

There are no prerequisite courses for this product.

It is highly recommended the service technician have:

- Prior experience with Canon imageCLASS MF devices
- Experience with taking eLearning courses
- Familiarity with common hand tools to disassemble and service Canon devices

E. Course Format

The Color imageCLASS MF746Cdw/MF735Cdw online training course is self-paced, and takes approximately 2.5 hours to complete.

It is important that a quiet and undistracted learning area be available for the student to take this course.

Students should download the following resources to refer to while taking this course:

- Print version of the course
- Service Manual

F. Course Equipment

- Windows workstation with audio and access to the TRAINING section of the e-Support Center Web site
- Flash-enabled Web browser (preferably Microsoft Internet Explorer)

It is necessary to enable file downloads in Internet Explorer to download the documents supplied with the course. Internet Explorer 8 disables the file download option by default. To enable Internet Explorer 8 to download files, perform the following steps:
1. Open Internet Explorer > select the "Tools" menu.
2. Click "Internet Options".
3. Click "Security".
4. Click "Custom level".
5. Scroll down to the Downloads section, and click "Enable" under <Automatic prompting for file downloads> and under <File download>.
6. Click "OK" to close all the dialog boxes.
7. Close and reopen Internet Explorer. You should now be able to download the learning resources for the course.

V. **Software Solutions**

This chapter describes the optional software solutions that can be purchased to enhance the end user's experience and interaction with MEAP-enabled machines.

A. uniFLOW

uniFLOW is a print/output management solution that can be customized to meet the needs of an organization. uniFLOW offers an organization of any size, a way to track printing and copying costs, secure sensitive documents, and enable users to print from any available printer on the network.

B. imageWARE Enterprise Management Console and Plug-ins

iW EMC (imageWARE Enterprise Management Console) is a Web-based network device management utility that enables IT managers to control and manage all devices installed on the network from one central location. IT managers can discover devices, view device status, manage device settings, and notify users of device errors via e-mail.

The optional plug-ins are available for IT managers and dealers through http://www.imageware.com, or to the dealer only through Canon U.S.A.'s e-Support Center Web site www.support.cusa.canon.com.

VI. Servicing Notes

A. Power and Plug Requirements

The Color imageCLASS MF746Cdw device requires a NEMA 5-15 receptacle for proper operation. Before installation, confirm that a proper NEMA receptacle is available for this device. It is not necessary to have a dedicated line.

Table 5 — Power and Plug Requirements

NEMA 5-15 Receptacle
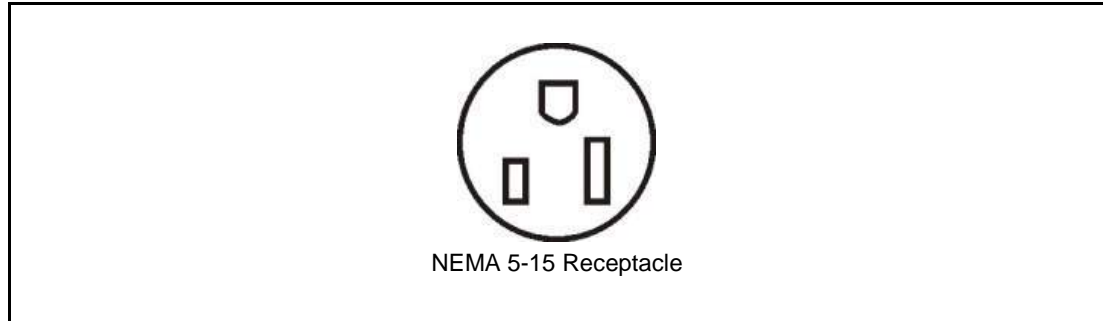
B. Installation Space Requirements

The approximate installation space requirements for the Color imageCLASS MF746Cdw are shown below. Always ensure that there is enough space for the service and operation of the device.

Table 6 — Main Unit Installation Space Requirements
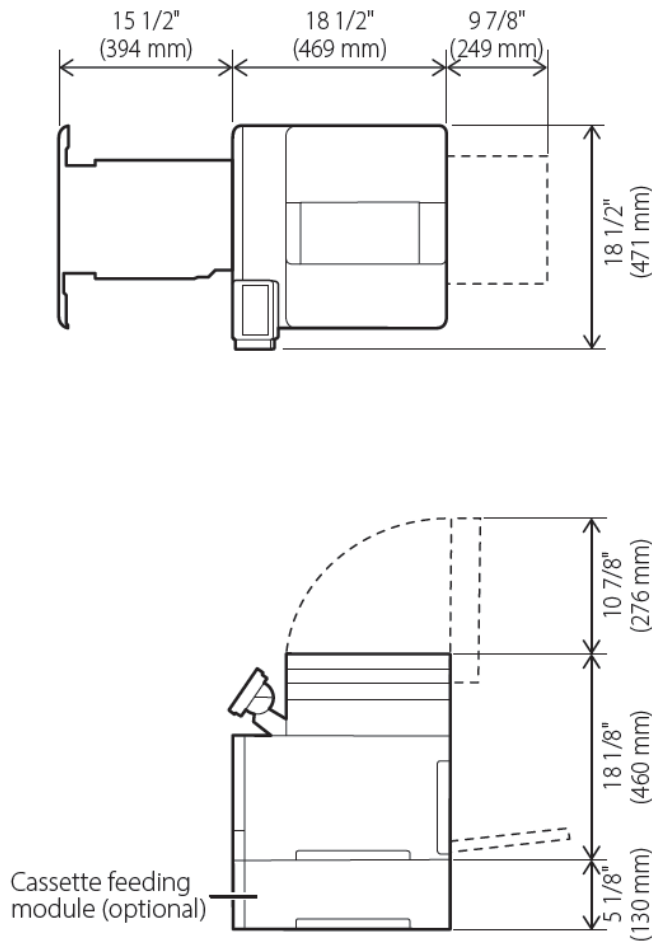
C. Estimated Installation Time

The estimated length of time needed to unpack and install the machine on a desktop or on the cassette feeder is approximately 3.1 minutes, and based on two (2) people.

D. Notes on the Wireless LAN

- The Color imageCLASS MF746Cdw Series machines are designed for indoor use, and must be kept at a close distance (approximately 16.4' (5 m)) from an access point.
- It is recommended to check if masking is found. Communications between walls and floors can deteriorate; therefore, arrange for the proper installation of the machine to reduce any deterioration in communications.
- Radio wave interference may occur if radio wave equipment, such as a microwave is near the machine, and it is in the same frequency band as the radio wave used by the wireless LAN. Keep the machine away from radio wave sources as much as possible.

E. Remote Support Services

Remote support services are systems, tools, and best practices that Canon USA provides to resellers. These services help maximize efficiency, avoid unnecessary site visits, and prepare a reseller to provide the necessary information for a site visit.

For more information about Remote Support Services, go to the Canon e-Support Web site, reference the "Tech Support" tab, and then select the "Remote Services" sub-tab.

Remote support services consist of the Remote User Interface Support Mode, imageWARE Remote, and Remote Services Suite.

1. Remote User Interface Support Mode

The Remote User Interface Support mode enables a technician, who is in a remote location to browse, change, and check settings on the machine. This can reduce device down time associated with taking the device in for servicing.

2. imageWARE Remote

imageWARE Remote is a service that collects page counter, service parts counter, and alarm, jam, and error code data from Canon devices with the eRDS (Embedded Remote Diagnostic System).

The eRDS enables a device to transmit counter and error code data to a UGW (Universal Gateway) database that the reseller can retrieve via a Web portal. imageWARE Remote provides the following benefits to customers:

- The ability to communicate meter counter information to the UGW database for review by the reseller.
- The ability to communicate device alarm, jam, and error alert notifications to the UGW database. The notification settings can be adjusted by the reseller within the UGW.

3. Remote Services Suite

The Remote Services Suite provides Web access to some of the more frequently-used UGW functions and status reports. The tools included in the suite are UGW SnapShot and Device Management Tool.

The Remote Services Suite tools provide:

- Mobile-friendly, simplified device status and information reports
- Simpler device registration, that includes bulk registration of multiple machines in one upload operation
- Ability to share credentials between e-Support and UGW

a. UGW SnapShot

SnapShot is a Web application for use on desktop PCs and mobile devices. SnapShot provides the ability to query device information from the imageWARE Remote UGW.

SnapShot is designed to perform the following functions:

- Display detailed device information, including counters, consumable statuses, firmware version, and events.
- Display summary screens of devices that are assigned to a specific customer.

b. Device Management Tools

The Device Management Tool is a Web application that replaces the Device Upload Tool for registering, managing, and unregistering devices in the UGW.

The Device Management Tool is designed to perform the following functions:

- Create customer profiles and contract information
- Register devices to a customer, either individually or in quantity
- Unregister devices from a customer, either individually or in quantity

F. Firmware Upgrade

The Color imageCLASS MF746Cdw supports two methods to upgrade the firmware.

1. UST (User Support Tool)
2. Via the Internet

1. Upgrading with the UST

Firmware is available for download on the Canon USA public Web site (http://www.usa.canon.com). When servicing the machine, make sure to go to the Canon USA public Web site, and download the most recent firmware.

Note:
- A computer and the most recent UST (User Support Tool) file are required to install upgraded firmware.
- Only the Engine Controller PCB can be upgraded using the UST.
- The UST and firmware are included in the firmware package download from the Canon USA public Web site.

2. Upgrading via the Internet

The Color imageCLASS MF746Cdw firmware can be upgraded without the use of an external PC.

IMPORTANT
- To upgrade the firmware via Internet, the Serial Number of the machine must be written on the Main Controller PCB, and the BODY number must be registered in the Service Mode.
- The machine must also be connected to a network with Internet access.

After the machine's firmware is updated, the machine restarts and installs the update. For more information on updating firmware without a PC, see the *imageCLASS MF746Cdw Service Manual*.

G. Service Support Tools

The only tools required for servicing the Color imageCLASS MF746Cdw are part of the technician's standard tool set. No special tools are required.

The solvent in the table below should also be carried to ensure the Color imageCLASS MF746Cdw is serviced properly. For more information on the solvent below, see the *imageCLASS MF746Cdw Service Manual*.

Table 7 — Solvent

Type	Item Number[3]	Usage/Remarks
Ethyl alcohol	N/A	• Cleaning metal parts, oil stains, and toner stains • Purchase locally. • Keep away from flame.

3   Item numbers and part numbers are subject to change without notice.

⊕ IMPORTANT

   Please **DO NOT** clean the photosensitive drum or the transfer roller.

H. Periodic Replacement Parts

The Color imageCLASS MF746Cdw does not have parts that require periodic replacement.

I. Consumables

Consumables are all products and materials that are consumed with regular use and cannot be reused. Such consumables include, but are not limited to, paper and toner.

A number of factors are considered to determine the approximate yield expectancy of a consumable item, including paper size and the amount of coverage per page.

Note: All consumables shown in the table below are estimates for reference purposes only, and are subject to change without notice.

Table 8 — Main Unit Consumables List

Description	Item Number[3]	Quantity	Estimated Life (prints)[5]	Remarks
Cartridge 055 Black	3016C001AA	1	2,300	Based on the ISO/IEC standard
Cartridge 055 Cyan	3015C001AA	1	2,300	
Cartridge 055 Magenta	3014C001AA	1	2,300	
Cartridge 055 Yellow	3013C001AA	1	2,300	
Cartridge 055 H Black	3020C001AA	1	6,500	
Cartridge 055 H Cyan	3019C001AA	1	5,000	
Cartridge 055 H Magenta	3018C001AA	1	5,000	
Cartridge 055 H Yellow	3017C001AA	1	5,000	

3   Item numbers and part numbers are subject to change without notice.

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5   The value is based on LTR paper with the factory default print density setting.

J. Consumable Parts

Consumable parts are parts that have a limited life, which will be reached during a customer's specific machine operation, and should then be replaced as needed by a service technician.

The Color imageCLASS MF746Cdw and accessories do not have consumable parts.

K. Soft Counters

The Color imageCLASS MF746Cdw uses soft counters to track its functional print and copy use. The table below indicates the default counter configurations of the Color imageCLASS MF746Cdw that are displayed on the Utility menu's Check Counter screen.

Table 9 — Soft Counter Configuration

Counter	Description	Default Display	Default Switch
1	101: Total 1	On	Fixed
2	108: Total (Black 1)	On	Can be changed via Service Mode setting to any available counter.
3	230: Copy (Full Color + Single Color/Small)[6]	On	
4	322: Print (Full Color + Single Color/Small)[6]	On	
5	Not displayed	Off	
6	Not displayed	Off	

The displayed counters can be changed, enabled, or disabled in the Service Mode, except for Counter 1. Counter 1 cannot be changed under any circumstances.

The Color imageCLASS MF746Cdw does not support 11" x 17" paper. The customer cannot use a double-click charge scheme.

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6   Refers to small size paper (when the paper length is 14" (364 mm) or shorter in the paper feed direction).

VII. Limited Warranty and Technical Support

A. Limited Warranty Conditions

The warranty for the Canon Color imageCLASS MF746Cdw is effective for a period of one (1) year following the delivery of the machine to the original purchaser. The service coverage period can be extended by the purchase of a Canon eCarePAK. See "Canon eCarePAK Extended Service Plan," on p. 21 for more information.

The Canon Toner Cartridge Limited Warranty is effective for a period of thirty (30) days from the date of the original purchase.

There is no warranty on any consumables, such as paper.

For detailed warranty information, refer to the Limited Warranty cards located in the Appendix.
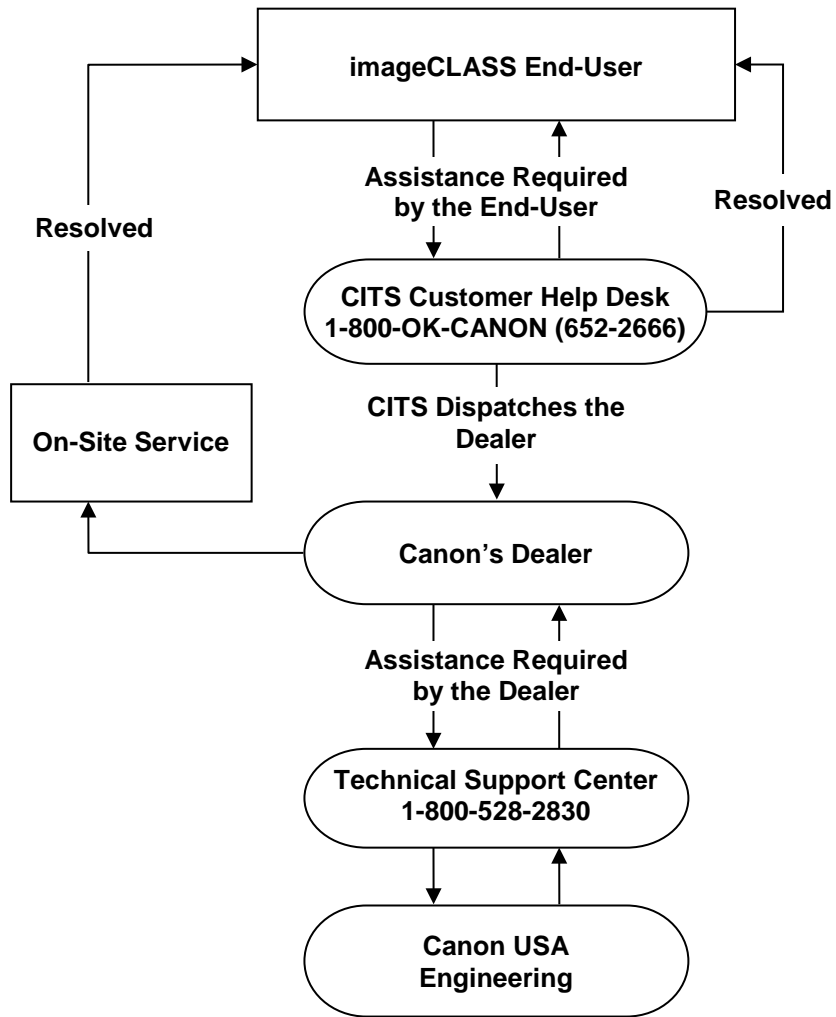
B. Warranty and eCarePAK Support Options

The Authorized Servicer/Dealer Customer Registration (ASCR) System is where the product's serial number is linked to the servicer of record. If a dealer registers the serial number through ASCR, the dealer will be the servicer of record for that product. ASCR also enables dealers to specify which support option they have selected to follow from the two available support options described below.

1. Dispatch by CITS

In this support option, the end-user calls the Canon help desk (CITS) for technical support and troubleshooting. CITS can be reached at 1-800-OK-CANON (652-2666), and is available Monday through Friday, 8 A.M. to 8 P.M. ET (Eastern Time), except for holidays. CITS first has the user perform all user-capable service remedies. If CITS determines that service is required, CITS dispatches the dealer. To obtain reimbursement for service delivered during the end-user warranty or Canon eCarePAK coverage term, you must be dispatched by CITS. For labor and parts compensation details, refer to the *imageCLASS Dealer Program Guide*.

Refer to Figure 1 for the Dispatch by CITS Escalation Procedure Call Flow.

Figure 1 — Dispatch by CITS Call Escalation Procedure Flow Chart

imageCLASS End-User

Assistance Required
by the End-User

Resolved

Resolved

CITS Customer Help Desk
1-800-OK-CANON (652-2666)

On-Site Service

CITS Dispatches the
Dealer

Canon's Dealer

Assistance Required
by the Dealer

Technical Support Center
1-800-528-2830

Canon USA
Engineering

2. Warranty Marketing Program

Some service providers may select to have their own help desk serve as the "first point of contact" other than CITS. This puts the responsibility of an effective in-warranty call avoidance process on the service provider. If the issue cannot be resolved over the phone, the dealer is responsible to dispatch a qualified technician. Service calls performed under this arrangement are not eligible for labor reimbursement, as described in the CITS dispatch option. Instead, a one-time payment is issued to the service provider for each product (serial number) they select to support in this manner. Any user calls made to CITS are referred back to the dealer.

For labor compensation and part return information, refer to the *imageCLASS Dealer Program Guide.*

IMPORTANT: Under the Warranty Marketing Program, the service provider assumes 100% of all end-user responsibility.

Figure 2 — Warranty Marketing Call Escalation Procedure Flow Chart
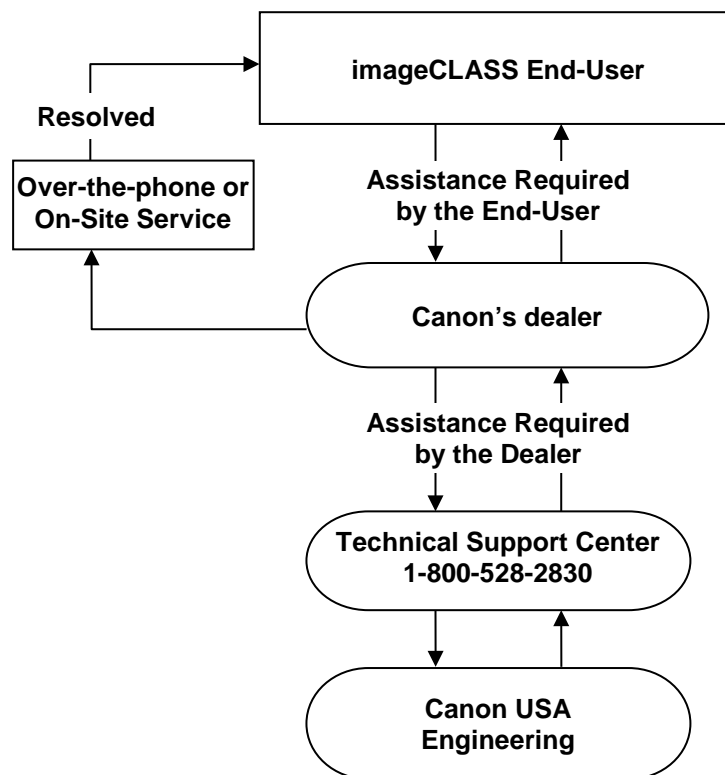
IMPORTANT: Do not enter a serial number in the ASCR System for any products that you cannot service. By entering the customer's product serial number, you agree to provide service for that product.

3. Service for Unregistered Machines

The dealer can select to be involved in the warranty support process. In the case where the machine is not registered in the ASCR System, CITS receives all user calls, and machines are serviced by Canon U.S.A.'s National Independent Service Provider or through Canon U.S.A.'s Exchange/Carry-In program.

Figure 3 — Unregistered Machine Call Escalation Procedure Flow Chart
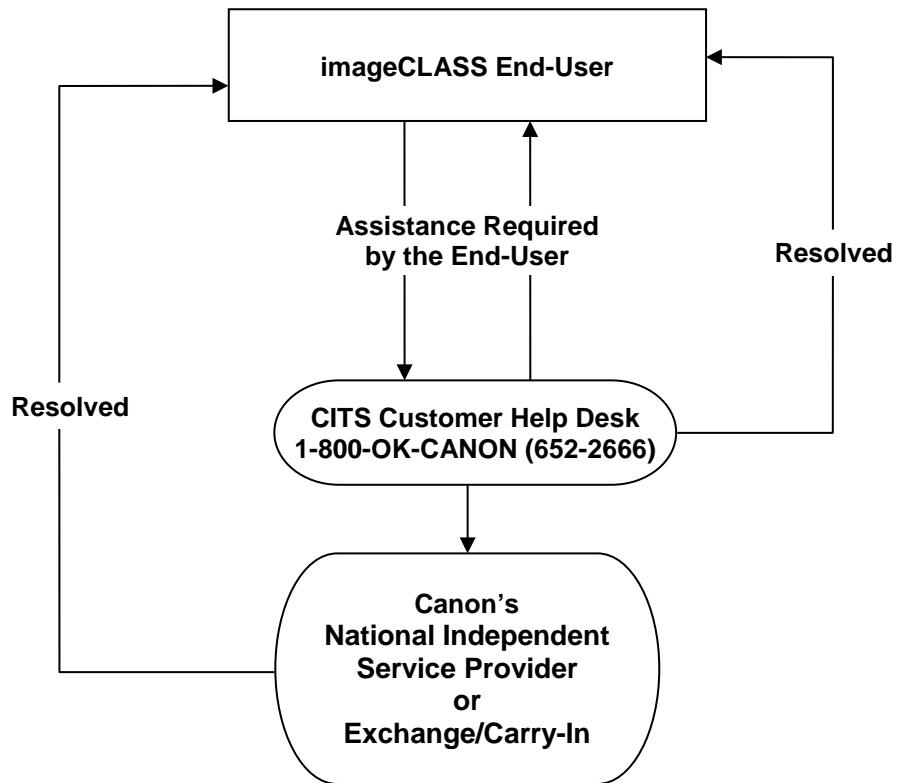
C. Canon eCarePAK Extended Service Plan

The Canon eCarePAK is a post-warranty extended service plan that can be purchased in bulk by a dealer, who then sells the eCarePAK to its customers. Extended coverage plans are available in yearly increments. See the *imageCLASS Dealer Program Guide* for details.

The eCarePAK Extended Service Plan enables the customer to extend the service coverage on their Canon product beyond the one (1) year limited warranty. It provides the customer with support that depends on the service option selected during ASCR registration (Dispatch by CITS or Warranty Marketing Program).

Note:
- eCarePAK coverage cannot be extended beyond the original term purchased.
- The eCarePAK Extended Service Plan must be purchased during the product warranty period, and goes into effect on the day the original warranty expires.
- The eCarePAK Extended Service Plan does not include coverage for any consumables, such as paper.
- Any parts reimbursement to the dealer while the eCarePAK Extended Service Plan is in effect, is through the e-Tag system.

1. Purchasing an eCarePAK Extended Service Plan

A customer (end-user) can purchase an eCarePAK Extended Service Plan from the dealer who sold them the machine. Only an authorized dealer or distributor can purchase an eCarePAK from Canon.

eCarePAK orders must contain the following information:
- Reseller's e-mail address, name, and address
- Customer's e-mail address, name, and address
- The device's model number, serial number, and purchase date

2. Registering an eCarePAK Extended Service Plan

Canon USA registers each eCarePAK, and provides the customer with the terms and conditions that pertain to their purchased eCarePAK Extended Service Plan via U.S. Mail.

Note: Ask any questions about eCarePAKs via e-mail message to ecarepak_support@cusa.canon.com.

D. Dealer Support and Program Information

Go to the e-Support or ISG Central Website for the latest version of the *imageCLASS Dealer Program Guide*. The Program Guide contains detailed information about:

- Available dealer support from Canon U.S.A., Inc.
- Warranty programs
- Parts ordering and return procedures
- The ASCR registration process
- eCarePAK
- Warranty labor and Warranty Marketing compensation
- Access to e-Support and ISG Central

VIII. Appendix

A. Specifications

Note: All specifications are for reference purposes only, and are subject to change without notice.

Table 10 — Color imageCLASS MF746Cdw Main Unit, Copy, and Print Specifications

Item		Description
Printer Type		Desktop, Full Color, Multifunction Laser
Copy/Print Speed[7]		Up to 28 ppm (Simplex, LTR) Up to 23.1 ppm (Duplex, LTR)
First Print Time	B&W	Approximately 7.5 seconds or less (LTR)
	Color	Approximately 8.5 seconds (LTR)
First Copy Time	B&W	Approximately 9.5 seconds (LTR)
	Color	Approximately 11 seconds (LTR)
Warm Up Time (at a room temp. of 68°F (20°C))[8]		After Powering ON: Approximately 13 seconds Returning from the Sleep Mode: Approximately 6.1 seconds
Printer Languages		UFR II, PCL 5c/6, PostScript
Gradation (Tones)		Up to 256
Resolution		Up to 600 dpi x 600 dpi
Magnification		25% to 400% in 1% increments
Multiple Copies		Up to 999 sheets
Acceptable Originals		Sheet, Book, Three-Dimensional Objects (up to 4.4 lb (2 kg))
Maximum Print Size		Up to 8 1/2" x 14" (Legal)
Duplex Print		Yes, Automatic
Print Modes		Toner Saver, Booklet, Poster, Page Composer, and Watermark
Print Memory		1 GB (shared)
Direct Print from USB		JPEG, TIFF, PDF
Mobile Print		Canon PRINT Business, AirPrint, Mopria Print Service, and Google Cloud Print
Memory Media Printable File Formats		• JPEG: DCF/Exif 2.21 or earlier/JFIF • TIFF: JPGE, MH, MR, MMR compression • PDF Version 1.7
Maximum Monthly Print Volume		Up to 50,000 pages
Environmental Conditions		Temperature: 50°F to 86°F (10°C to 30°C) Humidity: 20% to 80% RH (Relative Humidity) (No Condensation)
Noise	Operation	Approximately 71 dB or less

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7   The print speed is based on internal testing, and may vary, depending on the number of prints, paper size, paper type, and paper orientation selected.

8   Warm-up time may vary, depending on the environment and conditions under which the machine is used.

Color imageCLASS MF746Cdw Main Unit, Copy, and Print Specifications Continued

Item		Description
Power Requirements		120V – 127V AC, 60 Hz, 15 A
Plug		NEMA 5-15
Power Consumption	**Maximum**	Approximately 1,470 W
	Standby	Approximately 21.8 W
	During Operation	Approximately 530 W
	Sleep Mode	Approximately 0.7 W
	Power Is OFF[9]	Approximately 0.3 W or less
Dimensions (H x W x D)		Approximately 18.1" x 18.5" x 18.4" (460 mm x 471 mm x 469 mm)
Weight		Without Cartridge: Approximately 54 lb (24.5kg) With Cartridge 055: Approximately 58.6 lb (26.5 kg)

Table 11 — Feeder Specifications

Item		Description
Original Feeding Mechanism		Automatic 2-Sided Document Feeder

Original Size and Weight		Size:
		   Maximum: 8 1/2" x 14" (216 mm x 355.6 mm)
		   Minimum: 5 1/2" x 5" (139.7 mm x 128 mm)
		
		 Weight: Approximately 13 lb to 28 lb bond (50 to 105 g/m^2)

Original Tray Capacity		LTR: Approximately 50 sheets (21 lb bond (80 g/m^2)) LGL: Approximately 30 sheets (21 lb bond (80 g/m^2))
Original Scanning Speed (LTR, Sheets/Minute)	**Scanning 300 dpi**	1-Sided Scanning: Color: 14 ipm B&W: 28 ipm 2-Sided Scanning: Color: 28 ipm B&W: 53 ipm
	Copying 600 dpi	1-Sided Scanning: Color: 14 ipm B&W: 28 ipm 2-Sided Scanning: Color: 28 ipm B&W: 48 ipm

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9   Even if the machine's power is turned OFF, a slight amount of power is still consumed. To stop power consumption completely, disconnect the power plug from the AC power outlet.

Table 12 — Cassette Feeding Module-AF1

Item	Description
Paper Drawer Capacity[10]	550 sheets (21 lb bond (80 g/m^2)) x 1 640 sheets (17 lb bond (64 g/m^2)) x 1
Paper Sizes	Maximum: 8 1/2" x 14" (216 mm x 355.6 mm) Minimum: 3 7/8" x 5 7/8" (98 mm x 148 mm)
Paper Weight	16 lb bond to 60 lb cover (60 to 163 g/m^2)
Power Supply	From the main unit
Dimensions (H x W x D)	5 3/8" x 17 1/4" x 18 1/2" (136 mm x 437 mm x 469 mm)
Weight	Approximately 18.7 lb (8.5 kg)

Table 13 — Copy Card Reader-F1

Item	Specifications
Available Cards	Magnetic
Card Readout Method	Magnetic readout
Magnetic Card Reading Direction	Face up
Store/Replay	Replay
Power Source	From the main unit
Dimensions (W x D x H)	3 1/2" x 3 3/4" x 1 5/8" (88 mm x 96 mm x 40 mm) (Excludes the attachment kit and cable)
Weight	Approximately 7.1 oz (200 g) (Includes the attachment kit and cable)

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10   May vary, depending on the installation environment and paper used.

Table 14 — Paper Handling Specifications

Item		Description
Paper Source/Capacity		Paper Drawer: 250 sheet capacity[11] Multi-Purpose Tray: 50 sheet capacity[11]
Paper Output[12]		Approximately 150 sheets (face-down)[11]
Paper Weight	**Paper Drawers[13]**	Approximately 16 lb bond to 73 lb cover (60 to 200 g/m^2)
	Multi-Purpose Tray	
Media Sizes	**Paper Drawers[13]**	LGL, LTR, STMT, EXEC, Custom (3 7/8" x 5 7/8" to 8 1/2" x 14" (98 mm x 148 mm to 215.9 mm x 355.6 mm)) Envelopes: COM10, C5, DL
	Multi-Purpose Tray	LGL, LTR, STMT, EXEC, Custom (3" x 5" to 8.5" x 14" (76.2 mm x 127 mm to 215.9 mm x 355.6 mm)) Envelopes: COM10, Monarch, C5, DL
Media Types[14]	**Paper Drawers[13]**	Thin, Plain, Recycled, Color, Heavy, Coated, Labels, and Envelopes
	Multi-Purpose Tray	Thin, Plain, Recycled, Color, Heavy, Coated, Labels, and Envelopes
Envelope Types		COM10, Monarch[15], C5, DL

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11 Based on 20 lb bond (80 g/m^2) paper.
12 May vary, depending on the installation environment and paper type used.
13 Includes the optional Cassette Feeding Module-AF1.
14 Chlorine-free paper can be used.
15 Can only print Monarch envelopes from the Multi-Purpose Tray.

Table 15 — Fax Specifications

Item		Description
Line Used[16]		Public Switched Telephone Network (PSTN)
Scan Line Density	Normal (200 x 100 dpi)	8 pixels/mm x 3.85 lines/mm
	Fine (200 x 200 dpi)	8 pixels/mm x 7 lines/mm
	Photo (200 x 200 dpi)	8 pixels/mm x 7 lines/mm
	Super-Fine (200 x 400 dpi)	8 pixels/mm x 15.4 lines/mm
	Ultra-Fine (400 x 400 dpi)	16 pixels/mm x 15.4 lines/mm
Transmission Speed	Super G3	33.6 kbps
	G3	14.4 kbps
Compression Method		MH, MR, MMR, JBIG
Transmission Type		Super G3, G3
Maximum Sending Original Size		LGL
Maximum Receiving Paper Sizes		LGL
Transmission Times		Approximately 3 seconds/page with automatic fallback (ECM-JBIG, transmitting from memory at 33.6 kbps)

Table 16 — Scan Specifications

Item		Description
Type		Color Scanner
Maximum Original Scan Size		8 1/2" x 14" (215.9 mm x 355.6 mm)
Maximum Resolution		600 dpi x 600 dpi
Original Scanning Speed (LTR, Sheets/Minute)	Scanning 300 dpi	1-Sided Scanning: Color: 14 ipm B&W: 28 ipm 2-Sided Scanning: Color: 28 ipm B&W: 53 ipm
	Copying 600 dpi	1-Sided Scanning: Color: 14 ipm B&W: 28 ipm 2-Sided Scanning: Color: 28 ipm B&W: 48 ipm
Interface Speeds	USB	USB 2.0 Hi-Speed
	Wired LAN	10Base-T, 100Base-TX, 1000Base-T
	Wireless LAN	IEEE 802.11b/g/n
Supported Protocols		SMB, FTP, SMTP, MultiPass, MFNP
Output Format		TIFF, JPEG (Single-Page), PDF

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16 Depending on your locale or telephone connection, you may be unable to perform data communication. Contact your local authorized Canon dealer or the Canon help line.

Table 17 — Connectivity and Software Specifications

Item	Description
Standard Interfaces	• USB 2.0 High-Speed (A USB cable is not included.)[17] • 10BASE-T/100BASE-TX/1000BASE-T Ethernet (Network) • IEEE 802.11 b/g/n
Wireless LAN Specifications	• Frequency Range: 2.412 to 2.462 GHz • Maximum Radio Frequency Power Transmission: 15.9 dBm • Communication Modes: Infrastructure and Access Point • Security (Encryption Methods): Infrastructure Mode: - 128 (104)/64 (40) bit WEP - WPA-PSK (TKIP/AES-CCMP) - WPA2-PSK (AES-CCMP) Access Point Mode: - WPA2-PSK (AES-CCMP) • Connection Method: WPS (Wi-Fi Protected Setup and Manual Setup)
USB Functions	Print, Scan
Network Functions	Print, Scan
Embedded Web Server	Yes (Remote UI)
Web Browser Support for Remote UI	Internet Explorer 7.0 or higher on Windows XP SP3/Vista/7/8/8.1/10, Safari 4.0.5 or higher on Mac OS X 10.5.8/higher (except for Classic environment)
Print Protocols	LPD, RAW, WSD-Print
Software	Canon Printer Driver, Toner Status, e-Manual, imageWARE Enterprise Management Console, Canon Print Service Drivers are available for download from http://www.usa.canon.com/support.
Supported Operating Systems	Windows 10, 8, 7, Windows Vista Windows Server 2012 R2/2012/2008 R2/2008 Mac OS X V10.7 and higher

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17 USB 2.0 Hi-Speed requires Windows 10, 8.1, 8, 7, or Vista.

B. Warranty
1. imageCLASS Exchange/Carry-in Limited Warranty

CANON imageCLASS SERIES EXCHANGE/CARRY-IN PRODUCT LIMITED WARRANTY

The limited warranty set forth below is given by Canon U.S.A., Inc. ("Canon USA") with respect to the Canon imageCLASS Series product and accessories packaged with this limited warranty (collectively, the "Product") when purchased and used in the United States.

Cartridges for the product are covered by a separate warranty. Accordingly, this limited warranty does not cover any cartridges for the product, whether shipped with the product or purchased thereafter.

Canon USA warrants the Product to be free from defects in workmanship and materials under normal use and service for a period of one year after delivery to the original purchaser ("Purchaser") by Canon USA or its authorized Reseller. During the relevant warranty period, and in its sole discretion, Canon USA shall, or shall cause its authorized service provider ("Service Provider"), to, without charge, repair, or replace any defective part with a new or comparable rebuilt part, or exchange the Product with a new or refurbished Product. Warranty replacement shall not extend the warranty period of the malfunctioning Product. This warranty shall not extend to consumables, such as paper, as to which there shall be no warranty or replacement.

Canon USA offers assistance for installation, operation, and support* of the Product as follows:

(a) On-line troubleshooting via a searchable Knowledgebase, answers to frequently asked questions, the latest driver and firmware downloads, and email support at www.cusa.canon.com/support. (b) Toll free telephone support at 1-800-OK-CANON (652-2666), Monday through Friday from 8:00 a.m. to 8:00 p.m. Eastern Time (excluding holidays).

If Canon USA's remote assistance above cannot fix your Product's malfunction, Canon USA shall provide the contact information of the nearest authorized Canon USA Service Provider ("Service Provider") for service, or will exchange the Product, except where the malfunction involves a user replaceable item, in which case Canon USA will send you a replacement part with installation instructions. You will be responsible for installing the user replaceable items in your Product.

If the service or exchange is performed, and (1) the Product malfunction is not covered by this limited warranty, or (2) the applicable warranty period has expired or has not been sufficiently established by appropriate documentation, then you will be charged for such service at the then current service rates of Canon USA or the Service Provider, or for such exchange, as applicable.

This warranty shall only apply if the Product is used in conjunction with compatible computers, peripheral equipment, and software. Canon USA shall have no responsibility for such items except for compatible Canon brand peripheral equipment covered by a separate warranty ("Separate Warranty"). Repairs of such Canon brand peripheral equipment shall be governed by the terms of the Separate Warranty. NON-CANON BRAND COMPUTERS, PERIPHERAL EQUIPMENT AND SOFTWARE WHICH MAY BE DISTRIBUTED WITH THE PRODUCT ARE SOLD AS IS, WITHOUT WARRANTY OF ANY KIND BY CANON USA, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The sole warranty, if any, with respect to such non-Canon brand item is given by the manufacturer or producer thereof.

NO IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE. NO OTHER WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM, OR CORPORATION WITH RESPECT TO THE PRODUCT SHALL BIND CANON USA OR ANY SERVICE PROVIDER. NO WARRANTY IS GIVEN ON ANY USED PRODUCT.

This warranty shall be void and of no force and effect if the Product is damaged as a result of (a) abuse, neglect, mishandling, alteration, electric current fluctuation or accident, (b) improper use, including failure to follow operating or maintenance instructions in, or environmental conditions prescribed in, Canon USA's operator's manual or other documentation, (c) installation or repair by other than authorized service representatives qualified by Canon USA who are acting in accordance with Canon USA's service bulletins, (d) use of supplies or parts (other than those distributed by Canon USA) which damage the Product or cause abnormally frequent service calls or service problems, or (e) use of the Product with non-compatible computers, peripheral equipment or software, including the use of the Product in any system configuration not recommended in any manual distributed with the Product. Nor does this warranty extend to any Product on which the original identification marks or serial numbers have been defaced, removed, or altered.

ANY SYSTEM SOFTWARE (WHETHER FACTORY LOADED ON THE PRODUCT OR CONTAINED ON THE SOFTWARE CD-ROM'S ENCLOSED WITH, OR ACCOMPANYING, THE PRODUCT), AND ANY UTILITY SOFTWARE, DISTRIBUTED WITH OR FOR THE PRODUCT, IS SOLD "AS IS" AND WITHOUT WARRANTY BY CANON USA. THE SOLE WARRANTY WITH RESPECT TO SUCH SOFTWARE IS CONTAINED IN THE SOFTWARE MANUFACTURER'S LICENSE AGREEMENT DISTRIBUTED THEREWITH, INCLUDING ANY LIMITATIONS AND DISCLAIMERS THEREON. PLEASE CONTACT CANON USA IMMEDIATELY IF YOU HAVE NOT RECEIVED A COPY OF THE SOFTWARE MANUFACTURER'S LICENSE AGREEMENT.

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*Support options are subject to change without notice.

THIS WARRANTY APPLIES TO PRODUCTS SOLD AND USED IN THE U.S.A. ONLY.

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2. Canon Toner Cartridge Limited Warranty

CANON TONER CARTRIDGE LIMITED WARRANTY

Canon U.S.A., Inc. and Canon Canada Inc., (collectively "Canon") warrant to the original purchaser ('the Purchaser') of the Canon Toner Cartridge packaged with this limited warranty (the "Cartridge"), when used in a compatible* Canon-brand product (the "Product"), to be free from defects in workmanship and materials under normal use and service for a period of thirty (30) days from the date of original purchase. A defective Cartridge returned to Canon U.S.A., Inc., Canon Canada, Inc. or an authorized dealer (a "Dealer") of Canon U.S.A., Inc. or Canon Canada, Inc. within the thirty (30) day warranty period and proven to be defective upon inspection will be exchanged for a new Cartridge. The warranty period for any replacement Cartridge shall begin upon its shipment and will extend for no longer than the balance of the period remaining on the warranty for the defective Cartridge at the time of such shipment.

When returning any Cartridge under this limited warranty, you must pack the Cartridge in its original carton with a copy of the bill of sale (or invoice of purchase), together will a complete explanation of the problem and return it to the entity from whom you purchased the Cartridge (i.e. Canon USA, Inc., Canon Canada, Inc. or a Dealer). To obtain the shipping address of Canon U.S.A., Inc. or Canon Canada, Inc., please call the Canon U.S.A., Inc. Help Desk at 1-800-828-4040 or Canon Canada Technical Support at 1-800-OK-CANON. Shipping charges, if any, must be prepaid. If your Cartridge is covered by this limited warranty, a new Cartridge will be returned to you without charge by Canon U.S.A., Inc., Canon Canada, Inc. or the Dealer from whom you purchased the Cartridge.

NO IMPLIED WARRANTY OR CONDITION**, INCLUDING ANY IMPLIED WARRANTY OR CONDITION** OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE CARTRIDGE AFTER THE APPLICABLE PERIOD OF THE EXPRESS LIMITED WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY, CONDITION** OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON OR ENTITY WITH RESPECT TO THE CARTRIDGE SHALL BIND CANON OR ANY SERVICE PROVIDER (SOME STATES AND PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU). NO WARRANTY IS GIVEN ON ANY USED CARTRIDGE.

This limited warranty does not apply to, and does not guarantee, any particular cartridge yield (i.e., number of copies per Cartridge). Cartridge yield will vary depending on average density of originals copied and other factors. See Canon U.S.A.'s or Canon Canada's operator's manual for the Product for further information.

This warranty is void and of no force and effect if the Cartridge is damaged as a result of (a) abuse, neglect, mishandling or alteration of the Cartridge, a Product Accessory or a Product in which the Cartridge is incorporated, electric current fluctuation, exposure to light, or accident; (b) improper use, including failure to follow operating or maintenance instructions in, or environmental conditions prescribed in, the applicable operator's manual or other documentation; (c) installation or repair by other than service representatives qualified by Canon who are acting in accordance with Canon's service bulletins; or, (d) use of supplies or parts (other than those distributed by Canon) which damage the Cartridge or cause abnormally frequent service calls or service problems. Nor does this warranty extend to any Cartridge on which the original lot numbers or dating have been defaced, removed, or altered.

NEITHER CANON NOR ANY SERVICE PROVIDER SHALL BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE (UNLESS CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY SERVICE PROVIDER), LOSS OF REVENUE OR PROFIT, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, EXPENDITURES FOR SUBSTITUTE EQUIPMENT OR SERVICES, LOSS OR CORRUPTION OF DATA, STORAGE CHARGES OR OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE CARTRIDGE, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED AND EVEN IF CANON OR ANY SERVICE PROVIDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON OR ANY SERVICE PROVIDER BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE CARTRIDGE CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, THE PURCHASER ASSUMES ALL RISKS AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PERSONS AND PROPERTY OF THE PURCHASER OR OTHERS ARISING OUT OF THE POSSESSION, USE, MISUSE, OR INABILITY TO USE ANY CARTRIDGE SOLD BY CANON NOT CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY SERVICE PROVIDER. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE CARTRIDGE.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.

THIS WARRANTY APPLIES TO CARTRIDGES SOLD AND USED IN THE U.S.A. AND CANADA ONLY.

* As specified in the Product's operator's manual.
** In Canada

CAUTION:
Keep out of reach of children.
Keep from contact with oxidizing materials.
Refer to instructions for handling and storing.

Canon

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C. List of Tables

D. List of Figures