# Canon

## imageRUNNER
### ADVANCE
## 8105 / 8095 / 8085

# Service Guide

# imageRUNNER ADVANCE
## 8105 / 8095 / 8085

| IMPORTANT |
|---|
| THIS SERVICE GUIDE INCLUDES THE INFORMATION RELATING TO THE *imageRUNNER ADVANCE 8000 SERIES.* SPECIFICATIONS AND OTHER INFORMATION CONTAINED HEREIN MAY VARY SLIGHTLY FROM ACTUAL DEVICE VALUES OR THOSE FOUND IN ADVERTISING AND OTHER PRINTED MATTER. USE OF THIS SERVICE GUIDE SHOULD BE STRICTLY SUPERVISED TO AVOID DISCLOSURE OF CONFIDENTIAL INFORMATION. ALL PRICES AND SPECIFICATIONS LISTED ARE SUBJECT TO CHANGE WITHOUT NOTICE. PART NUMBERS LISTED MAY BE CHANGED WITHOUT NOTICE TO REFLECT ENGINEERING REVISIONS. |

| SERVICE GUIDE HISTORY |
|---|

| Revision | Date | Section(s) | Details |
|---|---|---|---|
| 0 | June 2010 | All | Release of the imageRUNNER ADVANCE 8000 Series Service Guide |
| 1 | July 2010 | VII | Add the Canon Refurbished Subassembly Program<br>Remove the Canon FRU Program |
| 2 | July 2010 | I | Revision to the Configuration section to remove references to the Buffer Pass |
| 3 | March 2011 | All | Release of the imageRUNNER ADVANCE 8000 Series Version 2 |
| 4 | July 2011 | All | • Addition of the Fax capabilities for the imageRUNNER ADVANCE 8000 Series Version 2<br>• Revision of the Content Delivery System Content<br>• Updated Table Fonts |

# Contents

## I. Product Overview, Configuration, and Accessories

### A. Product Overview

The imageRUNNER ADVANCE 8000 series Version 2 are high-speed, high-performance and highly integrated B&W (Black and White) digital imaging devices designed for corporate CRD (Central Reprographic Departments), Print-for-pay/Print Shops, and high-volume office environments. The imageRUNNER ADVANCE 8000 series Version 2 are successors to the imageRUNNER ADVANCE 8000 Series Version 1 devices.

**Figure 1 – The imageRUNNER ADAVCE 8000 Series with Accessories**

This imageRUNNER ADVANCE 8000 Series Version 2 (imageRUNNER ADVANCE 8000 Series) consists of the following configurations:

- imageRUNNER ADVANCE 8105 Version 2 (imageRUNNER ADVANCE 8105)
- imageRUNNER ADVANCE 8095 Version 2 (imageRUNNER ADVANCE 8095)
- imageRUNNER ADVANCE 8085 Version 2 (imageRUNNER ADVANCE 8085)

The imageRUNNER ADVANCE 8105 and imageRUNNER ADVANCE 8095 are Segment 6 devices that prints and copies B&W Letter sheets at speeds of up to 105-ppm (pages per minute) and 95-ppm respectively. The imageRUNNER ADVANCE 8085 is a Segment 5 device that prints and copies B&W Letter sheets at speeds of up to 85-ppm.

The imageRUNNER ADVANCE 8000 Series models offer as standard an 80 GB HDD (Hard Disc Drive), expandable to a 250GB HDD, and 1.5GB of RAM (Random Access Memory), expandable to 2.0GB of RAM. The imageRUNNER ADVANCE 8000 Series models feature as a standard a single pass duplexing DADF that is capable of scan speeds of up to 200 ipm (images-per-minute) in Color and B&W (Letter size originals scanned at a resolution of up to 300 dpi).

Each of the models in this series offers as standard UFR II Printing and Canon's Color Universal Send Document Distribution capabilities. High Compression PDF is included as standard with Universal Send. True Adobe PostScript and PCL description languages are available as an embedded option for all models.

Further enhancing the Canon Mail Box technology is the Advanced Box and external Memory Media support that are available as standard features for all models. This new feature allows the imageRUNNER ADVANCE 8000 Series to become more integrated into the office environment through its support for native document storage, including PDF (Portable Document Format), Microsoft Office Documents, XPS and more.
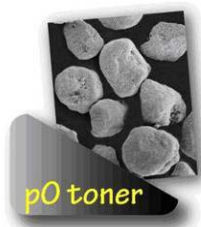
The imageRUNNER ADVANCE 8000 Series utilizes pO toner to produce high quality text and smooth halftones suitable for the high volume office and light production markets. The pO toner particle size produces higher quality text and improves the evenness of the solid blacks and halftones. The pO toner has improved fusing ability at lower temperatures, which contributes to low energy consumption at high printing speeds required for high volume office and light production markets.

A Tilt and Swivel control panel is standard on the imageRUNNER ADVANCE 8000 Series models. The highly adjustable embedded 10.4" touch screen features a Super VGA high resolution TFT display. This display provides a wider viewing angle and high contrast for increased usability. The control panel also features a tilting mechanism, providing increased accessibility.

Supported software includes the imageRUNNER ADVANCE Essentials. A software package designed to work exclusively with the imageRUNNER ADVANCE models as the core solutions package that are "essential" to enable customers to be more productive in their business. This new approach is to provide end-users with a complete out-of-the-box productivity solution package with potential for additional expansion, and expose users to the benefits and value of Canon solutions.

## B. The imageRUNNER ADVANCE 8000 Series Version 2 Feature Enhancements

The imageRUNNER ADVANCE 8000 Series Version 2 contains several feature enhancements to improve the digital imaging devices and provide options meet the requirements of light production use.

Feature enhancements included with the imageRUNNER ADVANCE 8000 Series Version 2 improve the User Interface experience, add paper handling & document feed options. Additional enhancements include improvements and expansion to the finishing features, scan & send/store options, print features, security features and energy conservation features.

In addition to the IPC (Inter Process Communication) cable to connect to serial communications finishers and accessories, the imageRUNNER ADVANCE 8000 Series Version 2 is equipped with the ARCnet (Attachable Resource Computer Network) communication cable. The ARCnet communications cable allows the imageRUNNER ADVANCE 8000 Series Version 2 to connect to ARCnet compatible finishers, which provides a reliable, efficient communication between the main unit and the accessories

without communication delay. The Booklet Finisher F1-PRO utilizes the ARCnet communications cable to meet the requirements of light production use. The Booklet Finisher-F1 PRO offers improved finishing speeds and solutions for the light production such as continuous saddle-stich booklet production, custom page size booklet making and high volume stack capability. The Booklet Finisher-F1 PRO can be connected with the external Booklet Trimmer-D1 and internal Puncher Unit-BB1.

The Document Insertion Unit-K1, Paper Folding Unit-H1 and the Professional Puncher-C1 & Professional Puncher Integration Unit-B1 were updated to support the Booklet Finisher F1-PRO. The updated accessories will continue to support the Booklet Finisher-D1 and Staple Finisher-D1. See Table 1 for accessory compatibility.

The optional Super G3 Fax enables the imageRUNNER ADVANCE 8000 Series Version 2 with fax capabilities for up to four (4) fax lines.

**Table 1 – Differences between the imageRUNNER ADVANCE Series Version 1 and Version 2**

✓ - Supported

✗ - Not Supported

| Feature | imageRUNNER ADVANCE 8000 Series | |
|---|---|---|
| | Version 1 | Version 2 |
| **Main unit** | | |
| IPC Serial Communication | ✓ | ✓ |
| ARCnet Communication | ✗ | ✓ |
| **Finishers and Accessories** | | |
| Booklet Finisher-D1 | ✓ | ✓ |
| Staple Finisher-D1 | ✓ | ✓ |
| Booklet Finisher-F1 PRO | ✗ | ✓ |
| Puncher Unit-BB1 | ✗ | ✓[1] |
| Puncher Unit-BF1 | ✓ | ✓[2] |
| Booklet Trimmer-D1 | ✗ | ✓[1] |
| Inner Booklet Trimmer-A1 | ✓ | ✓[2] |
| Document Insertion Unit-K1 (Current) | ✓ | ✓[2] |
| Document Insertion Unit-K1 (New)[3] | ✓ | ✓ |
| Paper Folding Unit-H1 (Current) | ✓ | ✓[2] |
| Paper Folding Unit-H1 (New)[3] | ✓ | ✓ |
| Professional Puncher-C1 and Professional Puncher Integration Unit-B1 (Current) | ✓ | ✓[2] |
| Professional Puncher-C1 and Professional Puncher Integration Unit-B1 (New)[3] | ✓ | ✓ |
| Duplex Color Image Reader Unit-C1 (Current) | ✓ | ✓ |
| Duplex Color Image Reader Unit-C1 (New)[3] | ✓[4] | ✓ |
| Copy Card Reader-F1 | ✓[4] | ✓ |

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[1]  Compatible only with the Booklet Finisher-F1 PRO

[2]  Compatible only with the Booklet Finisher-D1/Staple Finisher-D1. This accessory is not compatible with the Booklet Finisher-F1 PRO and cannot be upgraded.

[3]  The new accessory has the same name as the current accessory. However, the new accessory has a different Item code and serial number block, for identification, than the current accessory. See Table 3 – Optional Accessories and Compatibility.

[4]  Available for the imageRUNNER ADVANCE 8000 Series Version 1 when upgrading the firmware to v30.08.01 or later.

| Feature | imageRUNNER ADVANCE 8000 Series | |
|---|---|---|
| | Version 1 | Version 2 |
| **System Connectivity** | | |
| imagePASS-U1 (Current) | ✓ | ✓ |
| imagePASS-U1 (New)[3] | ✓[4] | ✓ |
| **User Interface Enhancements** | | |
| More Customizable User Interface | ✓[4] | ✓ |
| Display Favorite Web Pages on Main Menu | ✓[4] | ✓ |
| **Paper Handling Enhancements** | | |
| Tab Paper Pick-up from 2nd Cassette | ✓ | ✓ |
| Paper Type Assignment through Remote UI | ✓[4] | ✓ |
| **Document Feeder Enhancements** | | |
| Free Size Paper 2-side Scan | ✓[4] | ✓ |
| **Finishing Enhancements** | | |
| Booklet Folding without Stitch | ✓ | ✓ |
| Letter/ Legal Size Double Parallel-folding | ✓[4] | ✓ |
| **Scan & Store** | | |
| Preview Documents in Advanced Box/Memory Media | ✓[4] | ✓ |
| URI Send for Advanced Box | ✓[4] | ✓ |
| **Scan & Send** | | |
| PDF Version Control | ✓[4] | ✓ |
| Auto complete E-mail Address | ✓[4] | ✓ |
| Display Waiting Time for Print | ✓ | ✓ |
| Interrupt Job for Print/Fax | ✓[4] | ✓ |
| Job Hold | ✓[4] | ✓ |
| JDF Parser | ✓[4] | ✓ |
| Enable/Disable Settings for Scan/Print with Memory Media | ✓[4] | ✓ |
| **Environmental Feature Enhancements** | | |
| Energy Conservation Technology | ✓[4] | ✓ |
| **Fax Support** | | |
| Super G3 FAX Board-AF1 | ✗ | ✓[5] |
| Super G3 2nd Line Fax Board-AF1 | ✗ | ✓[6] |
| Super G3 3rd/4th Line FAX Board-AE1 | ✗ | ✓[6] |
| Remote Fax Kit-A1 | ✗ | ✓[7] |
| FAX Board Attachment Kit-A1 | ✗ | ✓[8] |

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[5]  Firmware version 40.13 or later is required to utilize the fax capabilities.
[6]  Not supported by the imageRUNNER ADVANCE 8000 Series Version 2 configured with Booklet Finisher-F1 PRO
[7]  Cannot be installed with Super G3 FAX Board-AF1
[8]  The FAX Board Attachment kit is required when Super G3 Fax Board-AF1 is installed and the Booklet Finisher-F1 PRO is installed.

## C.   Model Comparison

**Table 2 – Model Comparison**

| Feature | | imageRUNNER ADVANCE | | |
|---|---|---|---|---|
| | | **8105** | **8095** | **8085** |
| Print Speed (Letter) | BW | Up to 105 ppm | Up to 95 ppm | Up to 85 ppm |
| Scan Speed (Letter, 300 dpi) (B&W/Color) | Simplex | Up to 120 ipm / 85 ipm | | |
| | Duplex | Up to 200 ipm / 100 ipm | | |
| Scan Speed (Letter, 600 dpi[9]) (B&W/Color) | Simplex | Up to 120 ipm / 51 ipm | | |
| | Duplex | Up to 120 ipm / 51 ipm | | |
| FCOT (Platen Glass) (Approximately) | | 2.7 seconds | | |
| Warm-Up Time (Approximately) | | Up to 1 minutes | | |
| Main Memory | Standard / Maximum | 1.5 GB / 2.0 GB | | |
| HDD Memory | Standard / Maximum | 80 GB / 250 GB | | |
| DADF | Standard | Single-Pass Duplexing ADF | | |
| | Capacity | Up to 300 sheets | | |
| Multiple Copies | | 1-9,999 | | |
| Resolution | Copy | Up to 600 x 600 dpi | | |
| | Print | Up to 1200 x 1200 dpi | | |
| Upright Control Panel | | Standard | | |
| Toner Yield (@6.0% Coverage) | | Up to 70,000 (Letter) | | |
| Drum Yield | | Up to 6,000,000 (Letter) | | |
| Power Requirements | | 120V/20A | | |
| Plug Type | | NEMA 5-20P | | |
| **Paper Handling Specifications** | | | | |
| Std. / Max. Paper Capacity | | Up to 4,200 / 7,700 Sheets | | |
| Max. Paper Size | | 13" x 19.25" | | |
| Max. Paper Weight | | 256 g/m$^2$ / 140 lb Index | | |
| Available Paper Supply Options | | Letter Size Paper Deck (Up to 3,500 sheets) | | |
| | | Large Size POD Deck Lite (Up to 3,500 sheets) | | |
| **Finishing Specifications** | | | | |
| Max. Output Tray Capacity | | Up to 4,250-sheets | | |
| Max. Staple Capacity | | Up to 100-sheets | | |
| Max Saddle Capacity | | Up to 20-sheets | | |
| Hole Punch Option | | Internal 2/3 hole puncher, Professional Puncher | | |
| Post-Process Inserter Option | | 2 Tray Insertion Unit (400-sheet capacity) | | |
| Paper Folding Option | | Folding Unit: Z, Accordion Z (Letter-Fold-Out), C (Letter-Fold-In), Half (V-Fold) | | |
| Booklet Trimmer Option | | Inner Booklet Trimmer (1-way trim) | | |
| **Main Unit Configuration** | | | | |
| STORE | Mail Box | Standard | | |
| | Advanced BOX | Standard | | |
| | Memory Media Support | Standard (Scan) | | |

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[9]   Color Scanning up to 600 dpi requires Additional Memory Type B (512MB)

| Feature | | imageRUNNER ADVANCE | | |
|---|---|---|---|---|
| | | **8105** | **8095** | **8085** |
| PRINT | UFRII | Standard | | |
| | PCL | Option | | |
| | Direct Print | Std. (JPEG, TIFF) Opt. (PDF/XPS) | | |
| | Adobe PS (PostScript) | Option | | |
| | imagePASS (External) | Option | | |
| SEND | Universal Send | Standard (Color) | | |
| | PDF High Compression | Standard | | |
| | PDF Advanced Feature Set | Option[10] | | |
| | PDF Security Feature Set | Option[11] | | |
| | PDF Digital User Signature | Option | | |
| FAX | Super G3 Fax | Option (Up to 4 lines) [6, 12] | | |
| MEAP | | Standard | | |
| AMS | | Standard | | |

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[10] Includes Searchable PDF/XPS, Trace & Smooth PDFand PDF with Adobe Reader Extensions.
[11] Includes Digital Device Signature (PDF/XPS) and Encrypted PDF modes.
[12] Version 2 Hardware configuration only

**Table 3 – Optional Accessories and Compatibility**

| imageRUNNER ADVANCE 8000 Series | | |
|---|---|---|
| **Version 1** | **Version 2**<br>**With IPC Accessories** | **Version 2**<br>**With ARCnet Accessories** |
| | Serial number prefix<br>imageRUNNER ADVANCE 8105: HMU<br>imageRUNNER ADVANCE 8095: HNA<br>imageRUNNER ADVANCE 8085: HNG | |
| Paper Deck Unit-C1 | | |
| POD Deck Lite-A1 | | |
| Booklet Finisher-D1 | | Booklet Finisher-F1 PRO |
| Staple Finisher-D1 | | |
| Puncher Unit-BF1 | | Puncher Unit-BB1 |
| Tab Feeding Attachment Kit-B1 | | |
| Professional Puncher-C1 and<br>Professional Puncher Integration Unit-B1<br>(New or Old) | | Professional Puncher-C1 and<br>Pro Puncher Integration Unit-B1<br>(New Only) |
| | | Pro Puncher Integration Unit-B1<br>(New only serial number prefix HPD) |
| Document Insertion Unit-K1<br>(New or Old) | | Document Insertion Unit-K1<br>(New Only<br>serial number prefix HNY) |
| Paper Folding Unit-H1<br>(New or Old) | | Paper Folding unit-H1<br>(New Only<br>serial number prefix HPB) |
| Inner Booklet Trimmer-A1 | | Booklet Trimmer-D1 |
| N/A | Super G3 FAX Board-AF1 | |
| N/A | Super G3 2$^{nd}$ Line Fax Board-AF1 | N/A |
| N/A | Super G3 3$^{rd}$/4$^{th}$ Line FAX Board-AE1 | N/A |
| N/A | Remote Fax Kit-A1 | |
| N/A | N/A | FAX Board Attachment Kit-A1 |
| Canon PCL Printer Kit AH1/AH1e (New or Old) | | |
| Canon PS Printer Kit-AH1/AH1e (New or Old) | | |
| imagePASS-U1 | | |

## D.  Configuration

Note: All configurations shown are for *reference purposes only* and are subject to change without notice.  Please refer to the Dealer Price List on the ISG Central Website for the most up-to-date Item Numbers.

**Table 4 – Configuration**

| Item | Item Number[13] |
|---|---|
|  imageRUNNER ADVANCE 8105 as shown | |
| **imageRUNNER ADVANCE 8000 Series** | |
| imageRUNNER ADVANCE 8105 with Essentials [14, 15] | 3877B021AA |
| imageRUNNER ADVANCE 8095 with Essentials [14, 15] | 3878B020AA |
| imageRUNNER ADVANCE 8085 with Essentials [14, 15] | 3879B020AA |
| imageRUNNER ADVANCE 8105 Base Model [16, 17] | 3877B020AA |
| imageRUNNER ADVANCE 8095 Base Model [16, 17] | 3878B019AA |
| imageRUNNER ADVANCE 8085 Base Model [16, 17] | 3879B019AA |
| imageRUNNER ADVANCE 8105 Printer Model [17 18] | 3877B022AA |
| imageRUNNER ADVANCE 8095 Printer Model [17 18] | 3878B021AA |
| imageRUNNER ADVANCE 8085 Printer Model [17 18] | 3879B021AA |

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[13] Item Numbers and Part Numbers are subject to change without notice.

[14] Includes Base Model and imageRUNNER ADVANCE Essentials. imageRUNNER ADVANCE Essentials includes imageRUNNER ADVANCE   Desktop, Workflow Composer and MEAP Connectors, and imageRUNNER ADVANCE Tracker.

[15] imageRUNNER ADVANCE Desktop software ships standard with three year software maintenance. Workflow Composer, Connectors and Tracker do not have Software Maintenance.

[16] Ships standard with 2 x 1,500-Sheet Paper Drawers, 2 x 550-sheet Paper Cassettes, UFRII Printing, Color Universal Send with PDF High Compression, Access Management System, Single Pass Duplexing Automatic Document Feeder, Color Image Reader, 10/100/1000 BaseTX Ethernet, USB 2.0 high speed connectivity, Color Network ScanGear and Drum Unit. Please note Color Image Reader with Single Pass Duplexing Automatic Document Feeder is shipped separately.

[17] Requires, Staple Finisher-D1 or Booklet Finisher-D1.

[18] Ships standard with 2 x 1,500-Sheet Paper Drawers, 2 x 550-sheet Paper Cassettes, UFRII Printing, Access Management System, Printer Cover, 10/100/1000 BaseTX Ethernet, USB 2.0 high speed connectivity, and Drum Unit.  Please note Printer Cover is shipped separately.

**Table 5 – Hardware Accessories**

| Hardware Accessories | |
|---|---|
| **Description** | **Item Number[13]** |
| Paper Deck Unit-C1 [19] | 3880B002BA |
| POD Deck Lite-A1 [19] | 3692B002AB |
| Duplex Color Image Reader Unit-C1 | 3885B002AB |
| Printer Cover-B1 | 3690B001AA |
| Booklet Finisher-F1 PRO [20, 21] | 3884B006AA |
| Staple Finisher-D1 [20] | 3883B002AA |
| Booklet Finisher-D1 [20] | 3884B002AA |
| Inner Booklet Trimmer-A1 [22] | 2988B001AA |
| Booklet Trimmer-D1 [21, 23] | 2898B001AA |
| Puncher Unit-BF1 [24] | 2895B002AA |
| Puncher Unit-BB1 [21, 23] | 3109B002AA |
| Professional Puncher-C1 | 3842B001AA |
| Professional Puncher Integration Unit-B1 | 3844B003AA |
| Professional Puncher-C1 (Including the Integration Unit-B1) | 3842B005AA |
|    Plastic Comb 19-Hole Punch LTR-A1 [25] | 3028B001AA |
|    Twin Loop 21-Hole Punch LTR-A1 [25] | 3028B002AA |
|    Twin Loop 32-Hole Punch LTR-A1 [25] | 3028B003AA |
|    Color Coil 44-Hole Punch LTR-A1 [25] | 3028B004AA |
|    Velo Bind 11-Hole Punch LTR-A1 [25] | 3028B005AA |
|    Loose Leaf 3-Hole Punch LTR-A1 [25] | 3028B006AA |
|    Pro Click 32-Hole Punch LTR-A1 [25] | 3028B021AA |
|    Loose Leaf 5-Hole Punch LTR-A1 [25] | 3028B022AA |
|    High Durability Plastic Comb 19-Hole Punch LTR-A1 [25] | 3028B033AA |
|    High Durability Color Coil 44-Hole Punch LTR-A1 [25] | 3028B034AA |
|    High Durability Loose Leaf 3-Hole Punch LTR-A1 [25] | 3028B035AA |
| Document Insertion Unit-K1 [26] | 3881B006AA |
| Paper Folding Unit-H1 [21, 26] | 3882B002AA |
| Tab Feeding Attachment Kit-B1 [27] | 6793A004AA |
| Utility Tray-A1 | 3723B001AA |
| Utility Tray-A2 | 3723B002AA |
| USB Key Board (Cherry) | 1266V426 |
| Copy Card Reader Attachment Kit-A2 | 3730B002AA |
| Card Reader-C1 [28, 29] | 6575A001AB |
| Copy Card Reader-F1 [28] | 4784B001AA |
| Basic Card Set | 0500A002AC |

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[19] Paper Deck Unit-C1 and POD Deck Lite-A1 cannot be installed at the same time.

[20] Staple Finisher-D1, Booklet Finisher-D1 or Booklet Finisher-F1 PRO cannot be installed at the same time.

[21] The imageRUNNER ADVANCE 8000 Series Output Accessories training course is required to sell and/or service.

[22] Requires the Booklet Finisher-D1

[23] Requires the Booklet Finisher-F1 PRO

[24] Option for Staple Finisher-D1 or Booklet Finisher-D1.  Installs inside finisher.

[25] Optional Punch die for Professional Puncher-C1. Only one die can be installed at a time. Please check the appropriate product reference materials for information regarding life expectancy of the die.

[26] Requires Staple Finisher-D1, Booklet Finisher-D1or Booklet Finisher-F1 PRO.

[27] Additional Tab Feeding Attachment for Cassettes 3 or 4

[28] Requires the Copy Card Reader Attachment Kit-A2.

[29] Card Reader-C1, Card reader-F1 and Copy Control Interface Kit-A1 cannot be installed at the same time.

| Hardware Accessories | |
|---|---|
| **Description** | **Item Number**[13] |
| Copy Card Set 1 (1-30) [30] | 0499A004AB |
| Copy Card Set 2 (31-100) [30] | 0499A005AA |
| Copy Card Set 3 (101-200) [30] | 0499A006AA |
| Card Set-A1 [31] | 4781B001AA |
| Card Set-A2 [31] | 4781B002AA |
| Card Set-A3 [31] | 4781B003AA |
| Card Set-A4 [31] | 4781B004AA |
| Card Set-A5 [31] | 4781B005AA |
| Card Set-A6 [31] | 4781B006AA |
| Braille Label Kit-F1 | 7518A004AA |
| ADF Access Handle-A1 | 1095B001AA |
| Copy Control Interface Kit-A1 [29] | 3726B001AA |
| Convenience Stapler-B1 | 1727V838 |

**Table 6 – System Connectivity Accessories**

| System Connectivity Accessories | | |
|---|---|---|
| **Description** | **Item No** | **eLAN Item Number**[32] |
| PCL Printer Kit-AH1 [33] | 4621B001AB | 4621B008AA |
| PS Printer Kit-AH1 [33] | 4622B001AB | 4622B009AA |
| Direct Print Kit (for PDF/XPS)-H1 [34] | 3674B002AA | 3674B004AA |
| Encrypted Secure Print Software-D1 | 1337B006AA | 1337B011AA |
| Barcode Printing Kit-D1 [35] | 3999B001AA | 3999B004AA |
| Web Access Software-H1 [36] | 2738B006AA | 2738B007AA |
| Universal Send Advanced Feature Set-E1 [34] | 3405B006AA | 3405B011AA |
| Universal Send Security Feature Set-D1 [34] | 3406B002AA | 3406B006AA |
| Universal Send Digital User Signature Kit-C1 [37] | 1326B010AA | 1326B013AA |
| Universal Send Searchable PDF/XPS Kit-D1e | - | 0634B022AA |
| Universal Send PDF Encryption Kit-D1e | - | 0633B018AA |
| AA PROX V2.0 [38] | 5105B003AA | 5105B008AA |
| AA PROX V2.0 Starter Package [39] | 5105B001AA | - |
| Authorized Send Kit V4.3 (1 License) [40] | 3194B018AA | 4164B900AA |
| Authorized Send Kit V4.3 (10 Licenses) [40] | 3194B019AA | 4164B901AA |
| Authorized Send Kit V4.3 (100 Licenses) [40] | 3194B020AA | 4164B902AA |
| Secure Watermark-B1 | 1082B006AA | 1082B010AA |
| Wireless LAN Board-B1 [33, 41] | 3680B001AA | - |

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[30] Compatible with Card Reader-C1 and Copy Card Reader-F1

[31] Compatible with Copy Card Reader-F1 Only

[32] eLAN item (License Access Number is delivered via CNA System).

[33] Cannot be installed with the imagePASS-U1 controller.

[34] Tangible item requires multiple LANs to generate multiple license keys for activation. The eLAN item utilizes a single eLAN to generate multiple license keys or files for activation.

[35] Requires PCL Printer Kit-AH1. The Barcode Printing Kit-D1 and imagePASS-U1 cannot be installed at the same time.

[36] Requires the Direct Print Kit-H1 or Direct Print Kit (for PDF/XPS)-H1 when printing PDF files.

[37] SSO-H settings are required.

[38] Software only. Supported RF IDeas Proximity Card Reader is required.

[39] Starter Package includes AA-PROX V2.0 (1 License). RF IDeas Proximity Card Reader for HID Proximity Card and HID Proximity Sample Card Set (10 Cards). Device Port option is required.

[40] Authorized Send Kit V4.3 Jar file available via download only from http://www.canon.com/fau/downloads/

| System Connectivity Accessories | | |
|---|---|---|
| Description | Item No | eLAN Item Number[32] |
| USB Device Port-A1 | 3738B001AA | - |
| Multimedia Reader/Writer-A1 [42] | 3721B001AA | - |
| Additional Memory Type B (512MB) [43] | 3668B001CA | - |
| Document Scan Lock Kit-A2 | 3840B005AA | - |
| Data Erase Kit-C1 | 4002B002AA | 4002B004AA |
| HDD Data Encryption and Mirroring Kit-C2 [44] | 3910B002AA | - |
| Removable HDD Kit-AD1 | 3975B001AA | - |
| 2.5inch/80GB HDD-C1 [45] | 3713B001BA | - |
| 2.5inch/250GB HDD-D1 | 3714B001AA | - |
| IPSec Board-B2 [41] | 2906B002AA | - |
| Expansion Bus-F1 | 2905B001AA | - |
| Voice Guidance Kit-F1 | 3681B001AA | - |
| Remote Operator's Software Kit-B1 | 4001B002AA | 4001B004AA |
| imagePASS-U1 [46, 47] | 3890B001BB | - |
| SeeQuence Impose | 6596A035AA | - |
| SeeQuence Compose | 2351B003AA | - |
| SeeQuence Suite [48] | 6596A037AA | - |
| Removable Hard Disk Drive Kit-B4 | 0134B006AA | - |
| Integrated Interface & Stand-B1 [49] | 1694V354 | - |
| Super G3 FAX Board-AF1 | 3907B002AB | - |
| Super G3 2nd Line Fax Board-AF1 [6, 50] | 3908B002AA | - |
| Super G3 3rd/4th Line FAX Board-AE1 [6, 51] | 3677B002AA | - |
| Remote Fax Kit-A1 [7] | 3679B002AA | 3679B005AA |
| FAX Board Attachment Kit-A1 [8] | 5485B001AA | - |

**Table 7 – Integrated Solutions Options**

| imageRUNNER ADVANCE Essentials | | |
|---|---|---|
| Description | Item Number[13] | eLAN Item Number[32] |
| imageRUNNER ADVANCE Essentials V1.1 (Desktop 5L, WFC w/connectors, Tracker) [52] | 7494A769AA | 7494A785AA |
| imageRUNNER ADVANCE Essentials Lite V1.1 (Desktop 1L, WFC w/conn., Tracker) [52] | - | 4140B169AA |
| imageRUNNER ADVANCE Desktop 5L with 3 yrs Software Maintenance | 7494A772AA | 7494A788AA |

[41] Requires Expansion Bus-F1.
[42] Requires USB Device Port-A1.
[43] Required for 600dpi color scanning
[44] HDD Mirroring feature requires either one additional 2.5inch/80GB HDD-C1 or two 2.5inch/250GB HDD-D1 for mirroring functionality.
[45] HDD required for the HDD Data Encryption and Mirroring Kit-C2 for Mirroring functionality only, cannot be used to increase storage.
[46] Cannot be installed with PCL Printer Kit-AH1 and PS Printer Kit-AH1.
[47] Ships standard with Hot Folder V2.0 and Paper Catalog Kit.
[48] Includes 1 license each of SeeQuence Impose and SeeQuence Compose
[49] Ships with a 19" LCD monitor, keyboard and mouse.
[50] Requires the Super G3 FAX Board-AF1 installed
[51] Requires the Super G3 FAX Board-AF1 & Super G3 2nd Line Fax Board-AE1 Installed
[52] The imageRUNNER ADVANCE Desktop software ships standard with three-year software maintenance. Workflow Composer, Connectors and Tracker do not have Software Maintenance.

| imageRUNNER ADVANCE Essentials | | |
|---|---|---|
| **Description** | **Item Number**[13] | **eLAN Item Number**[32] |
| imageRUNNER ADVANCE Desktop 20L with 3 yrs Software Maintenance | 7494A773AA | 7494A789AA |
| Workflow Composer w/ MEAP Connectors 5L Pack | - | 7494A792AA |
| Workflow Composer w/ MEAP Connectors 20L Pack | - | 7494A793AA |
| imageRUNNER ADVANCE Tracker 5L Pack | - | 7494A794AA |
| imageRUNNER ADVANCE Tracker 20L Pack | - | 7494A795AA |
| MEAP Connector for SharePoint Server v1.0.5 (1 Device) [53] | 7494A757AA | 4165B036AA |
| AA Prox V2.0.1 with Essentials Lite V1.1 | - | 5105B019AA |
| AA Prox V2.0.1 with WFC & MEAP Connectors | - | 5105B020AA |
| AA Prox V2.0.1 with Tracker | - | 5105B021AA |
| imageWARE Document Server V1.1E 1L & DT 5L with 3yr Software Maintenance | - | 7494A799AA |
| imageWARE Document Server V1.1E 1L with 3 yrs Software Maintenance [54] | 7494A762AA | 4143B039AA |
| Client Access License for imageWARE Document Server v1.1 5CAL | - | 4143B046AA |
| Client Access License for imageWARE Document Server v1.1 20CAL | - | 4143B047AA |
| Client Access License for imageWARE Document Server v1.1 100CAL | - | 4143B048AA |
| imageWARE Document Server V1.0/V1.1 1L 1 yr Software Maintenance Extension [55] | 7494A696AA | - |
| imageWARE Document Server V1.1 1L & DT 5L 1 yr Software Maintenance Extension | 7494A766AA | - |
| imageRUNNER ADVANCE Desktop 1L 1yr Maintenance Extension (Essentials Lite) | 7494A752AA | - |
| imageRUNNER ADVANCE Desktop 5L 1 yr Software Maintenance Extension [55] | 7494A689AA | - |
| imageRUNNER ADVANCE Desktop 20L 1yr Maintenance Extension | 7494A751AA | - |
| imageWARE Scan Manager DS V1.0E 1L with 3 yrs Software Maintenance [54] | 7494A698AA | - |
| imageWARE Scan Manager DS V1.0EFS 1L 1 yr Software Maintenance Extension [55] | 7494A699AA | - |
| imageRUNNER ADVANCE Essentials V1.1 NFR [56] | 7494A770AA | 7494A786AA |
| imageRUNNER ADVANCE Desktop V1.1 10L NFR [57] | 7494A774AA | 7494A791AA |
| imageWARE Document Server V1.1E 1L NFR | 7494A767AA | 4143B045AA |
| Client Access License for imageWARE Document Server v1.1 10CAL NFR | - | 4143B049AA |
| imageWARE Scan Manager DS V1.0E 1L NFR [56] | 7494A700AA | - |

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[53] Workflow Composer needs to be installed. MEAP Connector for SharePoint Server 2007 does not have Software Maintenance.
[54] imageWARE Document Server and imageWARE Scan Manager DS ships standard with three year Software Maintenance.
[55] Software Maintenance Extensions can be purchased and registered up to 5 years in advance.
[56] Up to three (3) NFR packages per showroom location are available.
[57] 1 year time expiration has been implemented.

**Table 8 – Supplies and Consumables**

| Supplies & Consumables | |
|---|---|
| **Description** | **Item Number[13]** |
| Stamp Ink CRG-C1 | 1857B001AA |
| Stamp Unit-B1 | 1858B001AA |
| Staple Cartridge-H1 [58] | 6789A001AC |
| Staple-H1 (for Staple Finisher-D1 & Booklet Finisher-D1) [59] | 6790A001AA |
| Staple-G1 (for Staple Finisher-D1 & Booklet Finisher-D1) [58] | 6788A001AC |
| Staple-N1 (for the Booklet Finisher-F1 PRO) [58] | 1007B001AA |
| Staple-P1 (for the Booklet Finisher-D1 and Booklet Finisher F1-PRO) [60] | 1008B001AA |
| GPR-37/38 Drum Unit | 3765B003AA |
| GPR-37 - Black Toner | 3764B003AA |

## E.  Main Unit Box Contents

Note: Box contents shown are for reference purposes only and are subject to change without notice.

**Table 9 – Box Contents (Main Unit Only)**

- Main Unit
- Drum cartridge (Bk)
- Getting Started Guide
- e-Manual
- Quick Reference
- Frequently Asked Questions
- Drum warranty card
- Installation Check List
- UFR II User Software CD (E)
- Maintenance Guide
- How to Use the Manuals
- imageWARE Enterprise Management console
- imageWARE Access Management System
- Correction Notice
- Package
- Registration

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[58] Used for corner/double stapling only.
[59] Refills for Staple Cartridge-H1.
[60] Used for booklet finishing only.

## II.  imageRUNNER ADVANCE 8000 Series Options

### A.  Paper Feed Options

#### 1.  Paper Deck Unit-C1

The optional Paper Deck Unit-C1 accessory has a paper capacity of up to 3,500 sheets and supports paper sizes of up to 8.5"x11" in weights ranging from 14 lb bond to 80 lb cover. The Paper Deck Unit-C1 includes roller pick up & paper feed. The Paper Deck Unit-C1 cannot be installed with the POD Deck Lite-A1.

#### 2.  POD Deck Lite-A1

The optional Paper Deck Unit-A1 accessory has a capacity of up to 3,500 sheets and supports paper sizes of up to 13"x19" in weights ranging from 14 lb bond to 140 lb Index. The POD Deck Lite-A1 includes air assisted pick up & paper feed as well as roller pick up & paper feed. The POD Deck Lite-A1 cannot be installed with the Paper Deck Unit-C1.

### B.  Finishing Options

#### 1.  Booklet Finisher-F1 PRO

This optional accessory has a Saddle stitch capacity of up to 25-sheets with paper sizes of up to 13" X19".

Half fold up to five (5) sheets without stapling.

Multi-position stapling (corner stapling and double-stapling) for up to 100-sheets and supports paperweights of up to 140lb index.

The Booklet Finisher-F1 PRO has a built-in conveyor belt for continuous saddle-stitch booklet production, and can create custom page-size saddle stitch booklets. The Booklet Finisher-F1 PRO has two output trays with an output capacity of up to 5,000 sheets (Top Tray up to 3,000 sheets and Bottom Tray up to 2,000 sheets). The Booklet Finisher-F1 PRO cannot be installed with the Booklet Finisher-D1 or Staple Finisher-D1.

#### 2.  Staple Finisher-D1

The Staple Finisher-D1 is an optional accessory capable of multi-position stapling (corner stapling and double stapling) for up to 100-sheets and supports paperweights of up to 140 lb index. The Staple Finisher-D1 has three output trays with an output capacity of up to 4,250 sheets (Sample Tray up to 250 sheets, Top Tray up to 1,500 sheets and Bottom Tray up to 2,500 sheets). Internal 2/3-hole punching is available for the Staple Finisher-D1 as an option. The Staple Finisher-D1 cannot be installed with the Booklet Finisher-F1 PRO or Booklet Finisher-D1.

### 3. Booklet Finisher-D1

This optional accessory provides multiple functions.

Saddle stitch capacity of up to 20-sheets with paper sizes of up to 13" X19".

Half fold up to five (5) sheets without stapling.

Multi-position stapling (corner stapling and double-stapling) for up to 100-sheets and supports paperweights of up to 140lb index.

The Booklet Finisher-D1 has three output trays with an output capacity of up to 4,250 sheets (Sample Tray up to 250 sheets, Top Tray up to 1,500 sheets and Bottom Tray up to 2,500 sheets). The Booklet Finisher-D1 cannot be installed with the Booklet Finisher-F1 PRO or Staple Finisher-D1.

### 4. Booklet Trimmer-D1

This accessory attaches to Booklet Finisher-F1 PRO and provides front trimming of saddle-stitch bookbinding jobs. The open end of finished booklets can be trimmed up to 100 pages (approximately 25 sheets quartered) to deliver a flush, even edge. Once the booklets are trimmed, they are delivered to an output tray through a conveyor belt, in which the loading capacity is 30 books (equivalent to 750 two-sided pages).

### 5. Inner Booklet Trimmer-A1

The optional Inner Booklet Trimmer-A1 accessory has a booklet capacity of up to 30-booklets and supports one side trim adjustable from 2mm to 20mm. The Inner Booklet Trimmer-A1 has a waste capacity of up to 1,500 trimmed sheets. The Inner Booklet Trimmer-A1 is installed inside of the Booklet Finisher-D1.

### 6. Document Insertion Unit-K1

This optional Document Inserter Unit-K1 for the imageRUNNER ADVANCE gives users the ability to insert pre-printed cover sheets or insert sheets for binding. There is an upper tray and a lower tray each having a capacity of up to 200 sheets (up to 400 sheets total). The Document Insertion Unit-K1 supports paperweights of 14 lb bond to 110 lb cover and a paper size of LTR to 13"x19".

## 7. Paper Folding Unit-H1

The optional Paper Folding Unit-H1 enables the end-user to Z-fold, C-fold, Accordion Z-fold and Half-fold (V-fold) paper for businesses that require letters, invoices, or brochures to be folded. Z-fold: 11x17, LGL, LTRR, up to 30-sheet capacity, C-fold, Accordion Z-fold: LTRR, up to 40-sheet capacity, Half-fold: LTRR, up to 10-sheet capacity. The Paper Folding Unit-H1 supports paperweights of 14 lb bond to 28 lb Bond.

## 8. Puncher Unit-BB1

The optional Puncher Unit-BF1 provides 2 and 3-hole punch capability for paper stocks up to 140 lb Index. This option supports 2-hole punch for LGL and LTRR paper and 3-hole punch for 11" x 17" and LTR. The Puncher Unit-BB1 is installed inside of the Booklet Finisher-F1 PRO.

## 9. Puncher Unit-BF1

The optional Puncher Unit-BF1 provides 2 and 3-hole punch capability for paper stocks up to 140 lb Index. This option supports 2-hole punch for LGL and LTRR paper and 3-hole punch for 11" x 17" and LTR. The Puncher Unit-BF1 is installed inside of the Staple Finisher-D1 or the Booklet Finisher-D1.

## 10. Professional Puncher-C1 (With Integration Unit)

The Professional Puncher-C1 provides users with a variety of punch patterns. The punch patterns are available as die sets (easily replaced by the end-user). The Professional Puncher Unit-C1 combined with the Professional Puncher Integration Unit-A1 provides the user with the ability to create off-line plastic spiral bound books. This option supports LTR size paper only up to 80 lb Cover.

## 11. Super G3 Fax Capability

Super G3 FAX Board-AF1[61] provides a connection via a telephone line to enable traditional fax capabilities for the imageRUNNER ADVANCE. The imageRUNNER ADVANCE 8000 Series Version 2 supports up to four (4) fax lines[62] to accommodate end-users with high volume fax requirements.

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[61] The FAX Board Attachment Kit-A1 is required when the Booklet Finisher-F1 PRO is installed.
[62] Super G3 2nd Line Fax Board-AF1 & Super G3 3rd /4th Line FAX Board-AE1 are not Supported with the Booklet Finisher-F1 PRO installed

**12. Remote Fax Kit-A1**

The Remote Fax Kit-A1 enables an imageRUNNER ADVANCE device without an optional fax board installed (client device) to utilize an imageRUNNER ADVANCE with the optional fax board installed (fax server) to send and receive fax documents via the server.

The client device scans a document and forwards the electronic document file to a device designated as a fax server. The fax server sends the document file as a fax to specified destinations. When the designated fax server receives fax documents, it forwards the document file(s) to the designated client device using the job forwarding feature.

## C. Advanced Options

For demanding production environments, Canon Print Controllers feature the latest system software to enhance print productivity for multi-user environments with advanced job management features.

### 1. Canon PCL Printer Kit-AH1 and PS Printer Kit-AH1

The imageRUNNER ADVANCE 8000 Series features a Canon designed controller that utilizes the Adobe PostScript 3 print drivers and software and PCL 5c/6 description languages. The PCL Printer Kit-AH1[63] supports PCL5e/6 while the PS Printer Kit-AH1[63] supports Adobe PostScript 3. The Canon controllers enable a true print resolution of up to 1200 x 1200 dpi. Adobe PostScript (PS) Printing provides support for genuine PS/PDF users and applications with support for Adobe Genuine fonts.

### 2. Canon Direct Print Kit-H1

The imageRUNNER ADVANCE 8000 Series features the Canon Direct Print Kit-H1[63] (for PDF/XPS) files. The Direct Print Kit-H1 enables printing of PDF and XPS files directly from the Remote UI and printing of PDF files from memory media.

### 3. imagePASS-U1

The imagePASS U1 is an EFI Print Controller positioned for end-users who require Genuine Adobe PS (Postscript) with high-speed RIP and end-users who require a setup of print jobs using an EFI and Canon co-developed controller and utility software. This controller would also be suitable for users that require more advanced features and workflows available with the imagePASS controller, such as Command Workstation 5 and Impose/Compose.

### 4. Command Workstation 5

Command Workstation 5 is compatible with the imagePASS-U1 print controller and is available as a free download from EFI's website at http://www.efi.com\cws5. Command Workstation 5 includes the Job Center area; a central location to view and manage jobs sent to the Fiery server and is the main user interface for job management and set-up controls.

Command Workstation 5 offers integrated, fast, and flexible previews to help minimize print errors and waste, while making the user interface simpler and generating cohesive tool integration including color management tools, VDP resources, fonts, Virtual Printers, and job logs.

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[63] License Management System (LMS) Activation is required.

**5. MicroPress 8**

EFI/Canon MicroPress addresses the need of mid-to-high volume print-on-demand markets by providing raster-based (post RIP) digital document production system capable of efficiently producing complex, short-run color and black and white documents. The daily workload of a high-volume POD environment can be allocated across a tightly integrated network of Canon B&W and Color print devices. MicroPress 8 will provide users with enhanced make-ready tools and expanded color features.

MicroPress 8 offers a robust workflow solution with three configurations designed to meet a range of customer needs:

- MicroPress 8 Solo – Connects a single B&W or a single Color engine.
- MicroPress 8 Plus – Best suited for B&W centric configurations or B&W configurations with one Color engine. Connects up to four B&W engines or up to two color engines.
- MicroPress 8 Max – Best suited for color centric configurations that require higher processing power. Connects up to 12 B&W engines or up to five Color engines.

## D. Data Storage Options

⚠️ CAUTION

Canon U.S.A. Inc. ("Canon USA") is not liable for any failure or damages resulting from loss of data.

**1. Advanced Box**

Advanced Box is a storage area in the machine that stores scanned documents and Microsoft Office files to be used on your computer. There are two types of storage in the Advanced Box: the Shared Space and the Personal Space.

The Advanced Box can be opened to the public as an SMB (Server Message Block) server or WebDAV (Distributed Authoring and Versioning) server. The Advanced Box can be accessed from a Personal Computer (PC) to move files from the PC to the machine or vice-versa.

Note: End-users can store and share native files in the Advanced Box, however, only PDF, TIFF, and JPG files can be printed directly from the Advanced BOX. All other native files cannot be printed.

IMPORTANT

It is strongly recommended to protect the Advanced Box from viruses. If the end-user has an antivirus system in place, the Advanced Box folders should be added to its list of folders to scan and protect.

In addition, it is highly recommended that end-user customers install the HDD Encryption & Mirroring Kit-C2 and have security systems and a

back up plan available for data and data storage. Critical data, such as Inbox and Address Book content on the machine's hard drive must be backed up periodically. Similarly, data stored on a hard drive and on the Advanced Box must be secured.

For more information on backing up data, refer to the Getting Started Guide, Chapter 1, and "Before You Start Using This Machine".

2. **Removable Hard Disk Drive Kit-AD1**

The optional Removable Hard Disk Drive Kit-AD1 provides the capability to physically remove the Hard Drive out of the device and place it in a secured location. It allows the hard drive to be easily removed for secure storage on a frequent basis and easily reinstalled for normal device use. This option provides another layer of data security for government agencies and corporate enterprises that need to ensure that data stored on the hard disk is physically secured when the unit is not in use.

Customers with concerns about data security may want to consider having a Removable Hard Disk Drive Kit-AD1 available that only contains the machine system software. The technician would utilize this HDD during maintenance visits.

Data Storage Option Notes:

- The end-user should consider scanning the imageRUNNER ADVANCE HDD's and removable HDD's over the network with Antivirus software.
- Prior to any system software upgrades, the end-user should backup the HDD user data.

### E. Data Security Options

⚠️ NOTICE

Canon U.S.A. Inc. ("Canon USA") offers a variety of security features aimed at keeping data confidential, maintaining data integrity, and making data available to legitimate users. Technical Publication TP10 095 and related Technical Publications provide detailed information regarding Hard Disk Drive data integrity and security. Among the security features are:

- The Customer Accessible HDD initialization function – provides the customer or Service Technician with the ability to erase all user information stored on the HDD.
- Service Support Tool (see Upgrading (Service Support Tool) page 45) – enables the Service Technician to perform a HDD Format, which will delete the FAT Table on any or all HDD partitions.
- The TPM (Trusted Platform Module) (page 21) – a tamper-resistant open standards security chip responsible for encryption and decryption of information.
- Optional HDD Data Encryption & Mirroring Kit-C2 (page 21) – ensures all data stored on the internal HDD is protected using industry-standard algorithms.

- Optional HDD Data Erase Kit-C1 (page 22) – provides customers with the ability to configure their imageRUNNER ADVANCE to automatically overwrite the internal HDD and RAM areas as part of routine job processing.

⚠ CAUTION

Canon U.S.A., Inc. assumes no responsibility for customer decisions relating to erasing or overwriting data prior to returning the equipment to the dealer or any leasing company or otherwise disposing of the same. However, it is recommended that the dealer explain to the customer the availability of the various security functions and options described in Technical Publication TP10 095 or related Technical Publications in the course of the dealer's sales and maintenance activities.

⚠ CAUTION

Canon USA is not liable for any failure or damages resulting from loss of data.

1. **TPM (Trusted Platform Module)**

   TPM is a standard security chip (tamper resistant hardware) installed in the imageRUNNER ADVANCE 8000 Series. The TPM provides a facility for the secure generation of cryptographic keys to encrypt information stored on the internal HDD, and decrypt information read from the internal HDD. The public keys (to encrypt confidential information) are securely controlled by the TPM chip, and they can only be decrypted if the TPM releases the associated decryption key. If the HDD is removed from the machine, it will be difficult to retrieve data from the HDD without the encryption key, which is stored in a separate location within the TPM.

   ⚠ CAUTION

   Once the TPM setting is activated, if the end user fails to back up the TPM key, or if the end user loses the TPM key, it may result in permanent, unrecoverable data loss, for which Canon USA is not liable.

2. **HDD Data Encryption & Mirroring Kit-C2**

   The HDD Data Encryption & Mirroring Kit-C2 performs two functions. The encryption function encrypts image data before writing the data to the HDD.  The mirroring function provides redundancy when utilized with an additional hard disk drive (of the same capacity) to maintain system uptime and preserve company data in the instance of hard drive failure. This kit provides protection for all data including documents stored in Mail Boxes.  The HDD Data Encryption & Mirroring Kit-C2 is equipped with the Canon MFP Security Chip 1.50, which has acquired Common Criteria Certification of Evaluation Level 3 (EAL3).  Common Criteria Certification is a requirement for all government agencies that handle national security data.  Receiving Common Criteria Certification indicates that this kit has passed a "rigorous government sponsored inspection process for the safety and security of data entered, stored,

displayed, or transmitted by networked devices".

⚠️ CAUTION

If the HDD Data Encryption & Mirroring Kit-C2 is installed after the Main unit is installed then the HDD must be backed up before installing the Kit or a loss of data may occur. If this occurs, an E602 error code may appear and the System Software will need to be reloaded onto the engine.

3.  **HDD Data Erase Kit-C1**

When the HDD Erase Kit-C1 is enabled, data is automatically and completely erased when deleted from the hard disk.  This is to ensure that no trace of data remains on the hard disk.  One of the following three methods can be used to erase data from the hard disk: Overwrite Once With Null Data, Overwrite Once With Random Data, or Overwrite With Random Data Three Times.

The following data is completely erased from the hard disk:

- Image data created when copying, printing, scanning and faxing
- Image data that remained after you deleted a document in an inbox
- Spooled data
- User information, such as address book data, after deletion

Notes:

- Do not use the machine while data is being erased from the hard disk.  It may take some time until the machine becomes ready to scan once the data is completely erased.
- The performance of the machine may degrade when processing jobs.
- The Overwrite Null Data One Time method is set by default when the HDD Data Erase Kit-C1 is activated.

⚠️ CAUTION

If the HDD Data Erase Kit-C1 is installed after the Main unit is installed then the HDD must be backed up before installing the Kit or a loss of data may occur. If this occurs, an E602 error code may appear and the System Software will need to be reloaded onto the engine.

Data Security Option Notes:

- Prior to any system software upgrades, the end-user should backup the HDD user data.

## F. Customer Expectations Document (CED)

Canon USA offers dealers a Customer Expectations Document (CED) that contains features and capabilities of the Canon imageRUNNER ADVANCE 8000 Series of devices. This document was developed to assist Canon USA dealers as part of their pre-sale, and pre-installation planning process to potential customers to help clarify the requirements and responsibilities associated with owning and operating an imageRUNNER ADVANCE 8000 Series device.

It is recommended that potential customers interested in purchasing an imageRUNNER ADVANCE 8000 Series device have, and familiarize themselves with, the information in the CED prior to making their purchase.

Each model in this imageRUNNER ADVANCE 8000 Series will have its own CED. The CEDs can be found on the Canon USA e-Support center website.

## III. Features

### A. User Interface Design



The imageRUNNER ADVANCE models feature as standard a User Interface (UI) emphasizing an ease of use and customization to improve the user-friendliness and accessibility for each user.

The Upright User Interface (available as Standard) feature a 10.4" Super VGA high-resolution TFT screen with Tilt and Swivel capability and a flexible positions arm to enable the UI to move to a desired viewing position. The UI utilizes larger on-screen buttons for easier navigation, and graphics accompany text to assist users in quickly and easily identifying functions. The UI screen is capable of identifying functions separately on the main screen (e.g. the fax features are separate from the Send features), requiring fewer steps to access frequently used features.

A Quick Menu is available which allows the registration of frequently used buttons. In addition, utilizing Workflow Composer, an end-user can register one-button workflows on the Quick Menu to replace complex multi-step job tasks.

The new UI Supports a USB interface for memory media integration and Keyboard Support.

### B. Remote Support Services

#### 1. imageWARE Remote

imageWARE Remote [64] is a service that collects the page counter, service part counter, alarm, jam, and error code data from Canon devices with the Embedded Remote Diagnostic System (eRDS). The eRDS enables a device to transmit counter and error code data to a Universal Gateway (UGW) database that the dealership can retrieve via a web portal.

imageWARE Remote features:

#### a) Meter Reading

imageWARE Remote communicates the meter counter information to the UGW database for review by the dealership.

#### b) Service Monitor

imageWARE Remote communicates device alarm, jam, and error alert notifications to the UGW database. The UGW database will notify the dealership. Notification settings can be adjusted by the dealership within the UGW.

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[64] Refer to the imageWARE Remote Software Solutions Guide for more information

### c) Content Delivery System Scheduler

imageWARE Remote enables the dealership to schedule a firmware download using the Content Delivery System. The dealership schedules the content and time to download using the UGW. As the imageRUNNER ADVANCE device polls the UGW (via the eRDS), the device receives the schedule and content to download from the Content Delivery System server. imageWARE Remote is required to use the 'Scheduled Delivery' Method or the 'Full Remote' Method of the Content Delivery System. See the Content Delivery System below.

## 2. Content Delivery System

The Content Delivery System (CDS) is Canon's next generation system for the delivery and installation of firmware and MEAP (Multifunction Embedded Application Platform) applications to the imageRUNNER ADVANCE devices. Advantages of the CDS include reduced service costs (labor, travel), and improved first call resolution. Another benefit is that the latest version of firmware is always available to download and install on the imageRUNNER ADVANCE devices.

The CDS enables imageRUNNER, imageRUNNER ADVANCE, and imagePRESS end-users the option to download select MEAP applications (.jar file and license file), select client applications and related manuals from the CDS website located at: http://www.canon.com/fau/downloads.

Further the value of using the CDS is realized when updating multiple imageRUNNER ADVANCE devices. Up to 40 minutes can be saved per machine that would ordinarily be used for machine preparation, downloading, and installation.

There are three methods to deliver the firmware and applications to the imageRUNNER ADVANCE devices:

### a) 'On-site' Method

Using the 'On-site' Method, the dealer technician is not required to download the firmware to laptops, CDs, or Flash drives, as the current firmware is always available via the CDS.

With this method, the Technician visits the customer site to access the CDS from the imageRUNNER ADVANCE and download the firmware to the engine HDD. The Technician has the option to download the firmware immediately or schedule the download. In addition, the Technician has the option to manually install the firmware, or automatically install after the download is completed.

The dealer has the option to permit administrators to perform their own download and installation from the user mode. (This option is only available to update to the latest firmware only.) The Service Technician can enable this feature via Service Mode (disabled by default). This option does not require the Service Technician to visit the customer site.

**b) 'Scheduled Delivery' Method**

Using the 'Scheduled Delivery' Method the Service Technician remotely arranges for the firmware data to be downloaded to the imageRUNNER ADVANCE HDD from a distribution server. This method ensures that the firmware is downloaded and available during the next site visit.

The Technician accesses the imageWARE Remote Portal to schedule the imageRUNNER ADVANCE to download firmware (between 24 hours and 7 days following a request). The imageRUNNER ADVANCE updater receives the download schedule when the e-RDS polls the UGW for the update information. The updater schedules the imageRUNNER ADVANCE to download the appropriate application or firmware from the CDS database to the imageRUNNER ADVANCE HDD.

After the download, the Technician manually installs the application or firmware from the imageRUNNER ADVANCE HDD.

**c) 'Full Remote' Method**

The 'Full Remote' Method is a process to download firmware data to the imageRUNNER ADVANCE HDD from a distribution server and then automatically install the device firmware. The Technician is not required to visit the customer site to download or install the firmware.

The Technician accesses the imageWARE Remote Portal to schedule the imageRUNNER ADVANCE to download and install the firmware (between 24 hours and 7 days following a request). The imageRUNNER ADVANCE updater receives the download/Install schedule when the e-RDS polls the UGW for the update information. The updater schedules the imageRUNNER ADVANCE to download the appropriate application or firmware from the CDS database to the imageRUNNER ADVANCE HDD and install the downloaded file.

Content Delivery System Notes:

- To utilize the CDS on the imageRUNNER ADVANCE, the device will need to have access to the internet. The Service Technician will need to perform a communications test from the Service Mode of the imageRUNNER ADVANCE to validate the device's ability to communicate to the CDS Distribution Server.
- When using the Scheduled Delivery Method or the Full remote method The Service Technician must enable eRDS and the CDS-UGW switch on the imageRUNNER ADVANCE device(s). In addition, the imageRUNNER ADVANCE device(s) must be registered on the UGW.

- The Instruction Manual will include conditions for use and acceptance of the CDS Service. It will also contain language to help the customer understand the conditions for use and acceptance of third party software that is embedded in the hardware and controls the hardware features (these conditions will also be addressed in the Limited Warranty for Embedded Software).
- The Content Delivery System Software Solutions Guide (available on Canon USA ISG Central and e-Support websites) contains this as well as additional language that CANON USA recommends your dealership consider including in the Maintenance Agreement with your end-user customer as it pertains to the use of the CDS service.

## C. imageRUNNER ADVANCE Essentials

imageRUNNER ADVANCE Essentials is an optional integrated software suite designed to enhance the end-user experience and interaction with imageRUNNER ADVANCE models.  imageRUNNER ADVANCE Essentials includes: imageRUNNER ADVANCE Desktop, imageRUNNER ADVANCE Tracker and Workflow Composer with MEAP Connectors. imageRUNNER ADVANCE Essentials will allow end-users to access functions that will simplify their work. Users can bring imageRUNNER ADVANCE functionality directly to their desktops for one-touch workflow key creation, document publishing and management, and basic document tracking and accounting.

The imageRUNNER ADVANCE Essentials Package includes:

### 1. imageRUNNER ADVANCE Desktop

A client-based device dashboard application to operate document publishing, management, and printing operation from the end-user's PC. In addition, this desktop application can be used in conjunction with Canon's new imageWARE Document Server application in cases where customers want to share documents managed across workgroups or departments.

### 2. imageRUNNER ADVANCE Tracker

A cost recovery and usage management solution designed specifically for the imageRUNNER ADVANCE Series and based on Canon's proprietary MEAP technology.

### 3. Workflow Composer and Connectors

imageRUNNER ADVANCE workflow processes are simplified by customizing multi-step workflow functions into one-button operations. The one-button operations are available from the Quick Menu of the UI. MEAP connectors for SMB and FTP file delivery inclusive of document indexing come standard on the new models, while connectors for imageWARE Document Server and SharePoint Server 2007 are available as options.

**D.    Serviceability**

The imageRUNNER ADVANCE products are designed to improve serviceability, quality, and deliver lower service costs resulting in increased dealer service profitability.

The enhanced serviceability as part of the overall design of the imageRUNNER ADVANCE products enable a reduction in the time required to service the major components. Access to common parts and frequently used components has been improved to allow Technicians to perform tasks more efficiently.

In addition, technology improvements have reduced part pricing and improved the cost per copy. Further, the FRU Program will reduce the price of the fixing roller.

Finally, the use of Remote Support Services provides your dealership with remote meter reading and Service Monitoring capabilities using imageWARE Remote as well as the ability to maintain up to date machine firmware remotely and unobtrusively using the Content Delivery System.

Those factors will combine to reduce the overall cost per copy and will enable competitive suggested maintenance pricing and favorable margins.

## IV. Dealer Sales/Service Authorization

To become authorized and maintain authorization to sell and service the imageRUNNER ADVANCE 8000 Series, each authorized dealer location must have at least two (2) employees who have successfully completed the imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Series Training Program and received certification.

## V. Educational Training

### A. Training Program Overview

The learning path for the new imageRUNNER ADVANCE products has been designed to build the knowledge and skills of your support professionals in a way that will impact your customers in the most positive manner, both in the support of the product and the solutions you offer. The learning path (see diagram below) will start with a comprehensive blended imageRUNNER ADVANCE Systems program to build the foundation of the new user interfaces and the expanded product functionality. The learning path for the imageRUNNER ADVANCE 8000 and 6000 Series products then concludes with a blended program focused on either the knowledge and skills needed for your Technicians or the knowledge and skills needed for your System Engineer.

**Figure 2 – imageRUNNER ADVANCE Training Map**
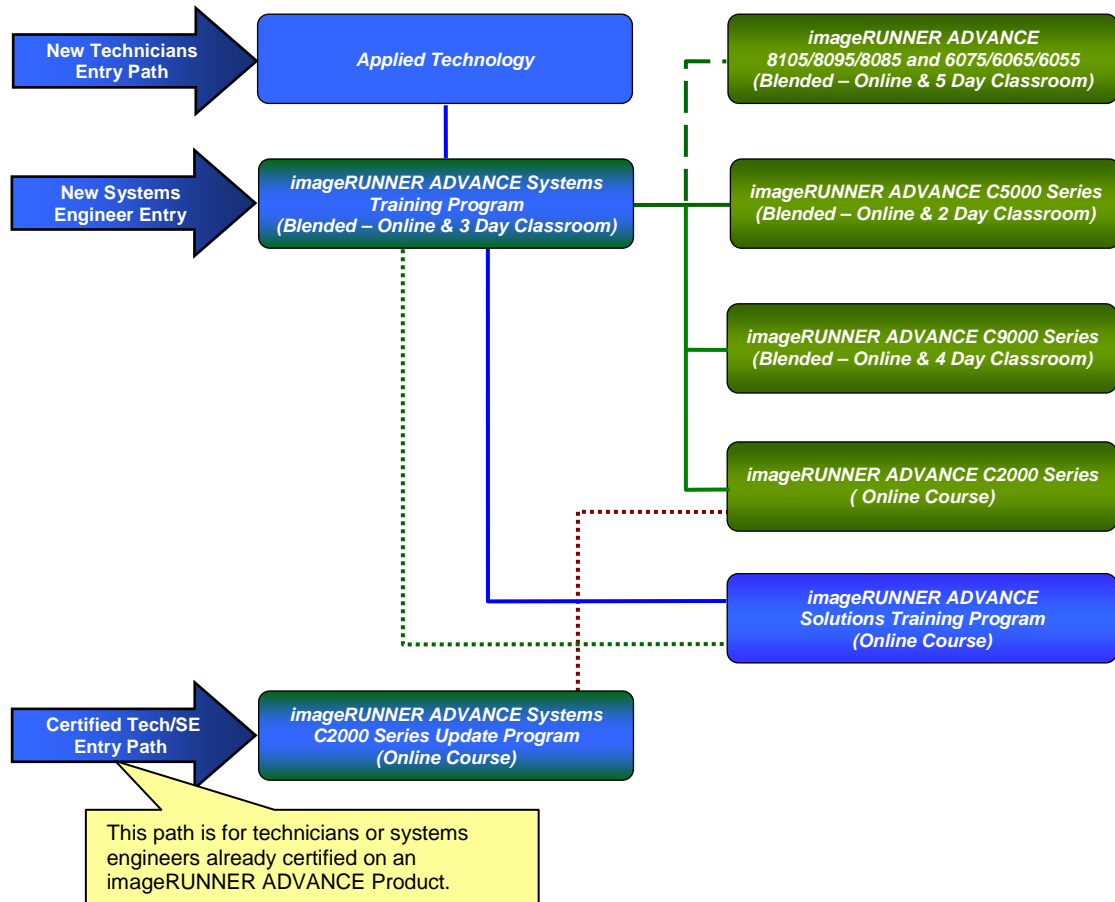
Most of the training for the imageRUNNER ADVANCE training programs is a blended format where all of the theoretical information is learned through online modules and is reinforced with a hands-on classroom experience. The learning path is designed in two distinct paths, one for Technicians and one for System Engineers:

The imageRUNNER ADVANCE Systems Training program is the foundational program, serving as the gateway course, and is required to complete either the Technician or System Engineer learning path.

Technicians and System Engineers will learn in the imageRUNNER ADVANCE Systems course everything from key operations, security, send features, network expansion and printing options.

The **imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Series Training Program** is a comprehensive blended learning program, which will educate the student in all areas of installation and support for both the imageRUNNER ADVANCE 8000 and 6000 Series. In this course, students will learn everything from installing to servicing the main unit, through connecting and configuring the unit to meet customer's needs and expectations in all areas of printing and copying environments.

imageRUNNER ADVANCE Solutions Training program will include the software solutions such as imageRUNNER ADVANCE Essentials. imageRUNNER ADVANCE Essentials includes Workflow Composer, imageRUNNER ADVANCE Desktop, imageRUNNER ADVANCE Tracker and other solutions supporting software. You must have at least one (1) system engineer per service location complete the imageRUNNER ADVANCE Solutions Training program if you wish to sell and support the imageRUNNER ADVANCE Essentials. This certification can be achieved by the Systems Engineer completing the imageRUNNER ADVANCE Solutions Online Course after completing the required prerequisite imageRUNNER ADVANCE Systems Course.

With all of these programs keep in mind that you will be required to complete all online modules prior to attending class. Failure to complete all required online courses will put you at risk of being sent home from class.

It is highly recommended that <u>all of your technicians</u> and system engineers responsible for installing, configuring, and supporting these new products <u>successfully complete the complete learning path of the training program</u>.

Note: In keeping with our current support policy, only those technicians who have successfully completed or who are enrolled in the training program will be entitled to live, phone-based support through our Technical Support Center (TSC). Self-Service Support (software downloads, knowledgebase, support forums, technical publications) will continue to be available through our e-Support website for all technicians.

### B. Certification

Technician certification for this series is required for authorization to sell this product. The technician certification will be awarded when the following online and the classroom portions of these programs are successfully completed:

- imageRUNNER ADVANCE Systems
- imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Series Training Program

### C. Technician Training

Technician training is designed for field technicians and systems engineers who will be responsible for the supporting the imageRUNNER ADVANCE 8000 Series.

#### 1. Online Courses – Technician Training

The online Systems and Hardware modules are available on e-Support. You can view the course overview of each course for more detailed information pertaining to the content of each course.  You can also view the estimated time for completion of each module on the course content page. Each of the courses below are designed to teach theory, which will be reinforced during the hands-on activities in the classroom and will provide your Technicians and Systems Engineers with the complete knowledge required for the installation, configuration, and support of the imageRUNNER ADVANCE 8000 Series.

**Table 10 – Online Modules**

| Course Name | Course Code | Required |
|---|---|---|
| Applied Technology | 07TAT00B | Yes (Prerequisite) |
| imageRUNNER ADVANCE Systems | 09IRTAS01E | Yes (Prerequisite) |
| imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Blended Series Training Program | 07IRT810500B | Yes |

#### 2. Classroom - Technician Training

Building on the eLearning modules, there is a three (3) day imageRUNNER ADVANCE Systems, and a five (5) day imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Series Training Program. These intensive three (3) and five (5) days will blend information taught online with the hands-on and practical application of the classroom. Each student will have an opportunity to practice disassembly and installation of key components as well as the practical exercises for troubleshooting many areas of the machine and accessories. This hands-on approach will focus on giving each Technician and Systems Engineer the ability to support the imageRUNNER ADVANCE 8000 / 6000 Series and meet the needs of your customers.

The Classroom courses will address the following components:

1. imageRUNNER ADVANCE Systems
   - Introduction/Overview
   - New UI & Remote UI
   - Send Options
   - Network Options
   - Print Expansion Options
   - imageRUNNER ADVANCE Security
   - imageRUNNER ADVANCE Essentials
   - UGW and CDS
2. imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Series Training Program
   - Features/Specifications
   - Image Formation
   - Paper Transport
   - Mechanical and Electrical Service Diagnostics
   - Component Removal, Identification ad Assembly
   - Service Adjustments
   - Preventative Maintenance
   - Print Controllers

3. **Prerequisites**

   Prior to enrolling into the imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Series Training Program, each student must successfully achieve Applied Technology (or equivalent) certification as well as the imageRUNNER ADVANCE Systems curriculum.

4. **Training Facilities**

   Classroom Training is available in each of the five Canon regional training centers:
   - Jamesburg, New Jersey
   - Norcross, Georgia
   - Irving, Texas
   - Itasca, Illinois
   - Irvine, California

   The online portion is located in the eLearning Center on the e-Support Center website http://www.support.cusa.canon.com.

D. **imageRUNNER ADVANCE 8000 Series Output Accessories Online Training Program**

1. **Overview**

   The online imageRUNNER ADVANCE 8000 Series Output Accessories training course will give the student a strong foundation of operational theory and general knowledge to support the imageRUNNER ADVANCE 8000 Series in various customer environments. The online

training course, available on e-Support, will prepare the Technician to install and support the:

- Booklet Finisher-F1 PRO
- Puncher Unit BB1
- Booklet Trimmer-D1

A technician will need approximately five (5) hours to complete the online course and hands-on lab exercises.

### 2. Prerequisites

Prior to enrolling into the imageRUNNER ADVANCE 8000 Series Output Accessories training course, each student must successfully complete imageRUNNER ADVANCE 8105/8095/8085/6075/6065/6055 Series Training Program.

### 3. Certification

Successful completion of the imageRUNNER ADVANCE 8000 Series Output Accessories Online Training Program Course is required to service and receive support on the imageRUNNER ADVANCE 8000 Series Output Accessories.

## E. Service Materials

Printed Service Manuals and Parts Catalogs will be provided for reference use only in class at each of the technical training program locations and are not available for general purchase.

Service Manuals will be available in electronic format via download in the eLearning course and in on the Canon USA e-Support website at http://www.support.cusa.canon.com. An electronic PDF file of Service Manuals will be made available to each student attending the class at the course completion. The student will be provided a printed TRG (Technical Reference Guide) that can be taken with them upon completion of the class.

## F. Student Feedback and Course Follow-up

All students attending the classroom course at a Canon regional training center will be asked to complete a ten 10-question feedback survey. In addition, all students completing the technical training classroom course will receive a Training Survey approximately ninety 90-days after the class concluded. The purpose of this will be to find out how well each student was prepared to apply his or her knowledge in the field. The feedback will be utilized to continue to enhance the classroom course.

## VI.  Servicing Notes

### A.  Power and Plug Requirements

Canon USA strongly suggests dedicated and properly grounded outlets for these imageRUNNER ADVANCE devices and optional accessories.  Before installation, confirm that dedicated NEMA receptacles are available for these devices.

The imageRUNNER ADVANCE 8000 Series Main Unit requires a dedicated single-phase 120V/20A NEMA 5-20R receptacle for proper operation.

Confirm that a single-phase 120V/20A NEMA 5-20R receptacle is available prior to installation.

**Table 11 – Power and Plug Requirements for Main Unit and Accessories**

| Description | Power Supply | Plug Specifications |
|---|---|---|
| imageRUNNER ADVANCE 8000 Series | 120 V/20 A outlet | NEMA 5-20 |
| Duplex Color Image Reader Unit-C1 | From the Main Unit | N/A |
| Paper Deck Unit-C1 | From the Main Unit | N/A |
| POD Deck Lite-A1 | 120 V/15 A outlet | NEMA 5-15P |
| Booklet Finisher-F1 PRO | 120 V/15 A outlet | NEMA 5-15 |
| Booklet Finisher-D1 | 120 V/15 A outlet | NEMA 5-15 |
| Staple Finisher-D1 | 120 V/15 A outlet | NEMA 5-15 |
| Booklet Trimmer-D1 | From the Finisher | N/A |
| Inner Booklet Trimmer-A1 | From the Finisher | N/A |
| Document Insertion Unit-K1 | 120 V/15 A outlet | NEMA 5-15 |
| Paper Folding Unit-H1 | From the Finisher | N/A |
| Puncher Unit-BB1 | From the Finisher | N/A |
| Puncher Unit-BF1 | From the Finisher | N/A |
| Professional Puncher-C1 and Professional Puncher Integration Unit-B1 | 120 V/15 A outlet | NEMA 5-15 |
| Canon PCL Printer Kit AH1 | From the Main Unit | N/A |
| Canon PS Printer Kit-AH1 | From the Main Unit | N/A |
| imagePASS-U1 | 120 V/15 A outlet | NEMA 5-15 |

**Table 12 – imageRUNNER ADVANCE 8000 Main Unit Power Receptacle**



imageRUNNER ADVANCE 8000 Series

NEMA 5-20 Receptacle

**Table 13 – Accessories Power Receptacle**
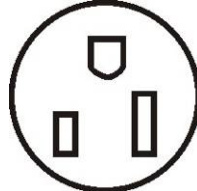


Accessories

NEMA 5-15 Receptacle

**Figure 3 – Power Requirements imageRUNNER ADVANCE 8000 Series with IPC Accessories**
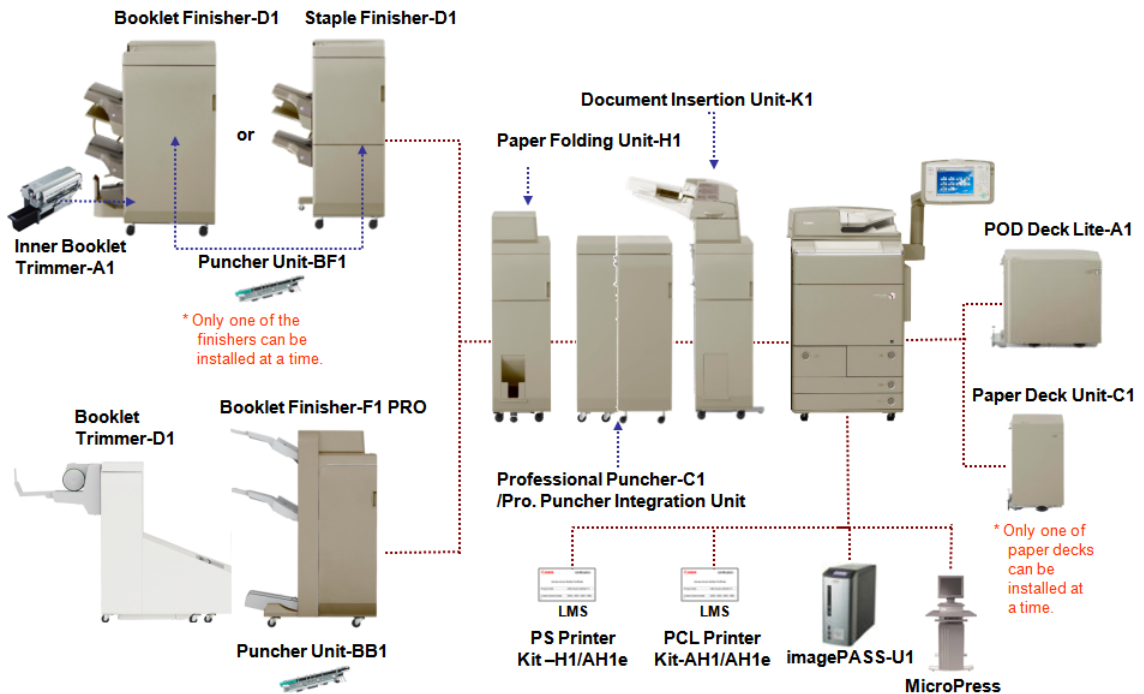
**Figure 4 – Power Requirements imageRUNNER ADVANCE 8000 Series with ARCnet Accessories**
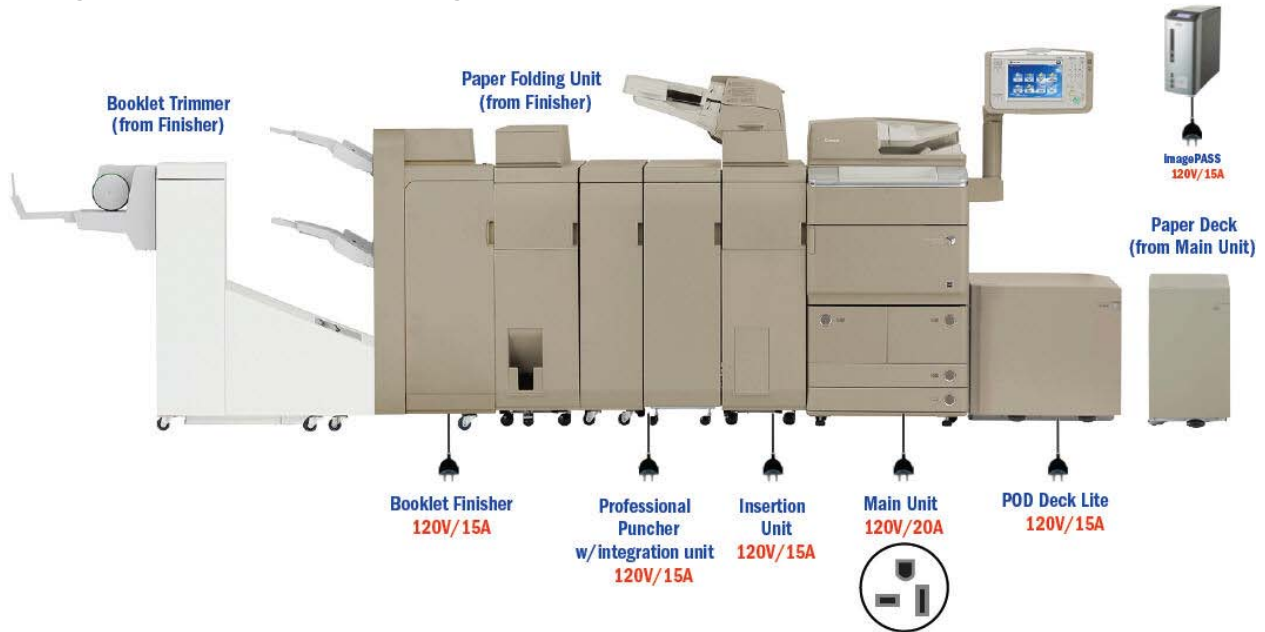


## B.  Hardware Configuration Chart

**Figure 5 – Hardware Configuration**



The Booklet Finisher F1-PRO, Puncher Unit-BB1 and Booklet Trimmer-D1 can only be installed on the imageRUNNER ADVANCE Series devices with Version 2 hardware.

### C. Installation Weight & Dimensions

The imageRUNNER ADVANCE 8000 Series approximate weight and dimensions differ depending on how it is configured with the optional accessories. The dimensions are for reference only and should not be confused with the required space for installation.

**Table 14 – Approximate Weight**

| Component | Approximate Weight | |
|---|---|---|
| Main Unit w/Duplex Color Image Reader Unit-C1 and Consumables | 534 lb | 242 kg |
| Duplex Color Image Reader Unit-C1 | 86.9 lb | 39.4 kg |
| POD Deck Lite-A1 | 110 lb | 50 kg |
| Paper Deck Unit-C1 | 81.6 lb | 37 kg |
| Document Insertion Unit-K1 | 134 lb | 61 kg |
| Paper Folding Unit-H1 | 157 lb | 71 kg |
| Booklet Finisher-F1 PRO | 392lb | 178 kg |
| Staple Finisher-D1 | 134 lb | 61 kg |
| Booklet Finisher-D1 | 238 lb | 108 kg |
| Puncher unit-BB1 | 8.4lb | 3.8 kg |
| Puncher Unit-BF1 | 8.2 lb | 3.7 kg |
| Professional Puncher-C1 & Professional Puncher Integration Unit-B1 | 264.2 lb | 120 kg |
| Booklet Trimmer-D1 | 335 lb | 152 kg |
| Inner Booklet Trimmer-A1 | 70.5 lb | 32 kg |
| Card Reader-C1 | 10.4 oz | 295 g |
| Copy Card Reader-F1 | 6.7 oz | 198 g |

**Table 15 – Dimensions**

| Unit | Height | | Width | | Depth | |
|---|---|---|---|---|---|---|
| Main Unit[65] | 49.25" | 1,252 mm | 53.375" | 1,481 mm | 30.375" | 770 mm |
| Duplex Color Image Reader Unit-C1 | 10.0" | 253 mm | 25.0" | 635 mm | 23.875" | 605 mm |
| POD Deck Lite-A1 | 22.5" | 570 mm | 23.625" | 601 mm | 24.5" | 621 mm |
| Paper Deck Unit-C1 | 22.5" | 570 mm | 12.75" | 323 mm | 23.0" | 583 mm |
| Document Insertion Unit-K1 | 55.375" | 1,407 mm | 26.375" | 746 mm | 31.25" | 793 mm |
| Paper Folding Unit-H1 | 46.875" | 1,190 mm | 13.25" | 336 mm | 31.25" | 793 mm |
| Booklet Finisher-F1 PRO | 46.5" | 1,180 mm | 31.5" | 800 mm | 31.25" | 792 mm |
| Staple Finisher-D1 [66] | 41.0" | 1,040 mm | 30.75" | 782 mm | 30.125" | 765 mm |
| Booklet Finisher-D1[66] | 41.0" | 1,040 mm | 35.25" | 896 mm | 30.125" | 765 mm |
| Puncher unit-BB1 | 5.2" | 131 mm | 3.1" | 78 mm | 25.8" | 655 mm |
| Puncher Unit-BF1[67] | 15.5" | 392 mm | 3.75" | 95 mm | 15.5" | 392 mm |
| Professional Puncher-C1 with Professional Puncher Integration Unit-B1 | 41.0" | 1,040 mm | 21.875" | 560 mm | 31.25" | 792 mm |
| Booklet Trimmer-D1 | 41.0" | 1,040 mm | 62.0" | 1,575 mm | 30.375" | 770 mm |
| Inner Booklet Trimmer-A1[67] | 15.875" | 403 mm | 9.875" | 251 mm | 24.625" | 625 mm |
| Card Reader-C1 | 1.25" | 32 mm | 3.5" | 88 mm | 4.0" | 100 mm |
| Copy Card Reader-F1 | 1.625" | 40 mm | 3.5" | 88 mm | 3.75" | 96 mm |

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[65] The height is measured to the top of the Upright Control Panel in the standard position, and the width is measured to the right edge of the Upright Control Panel in the extended position.
[66] With the auxiliary tray extended.
[67] Installed inside the optional Staple Finisher-D1 or Booklet Finisher-D1.

**Figure 6 – Dimensions with the Booklet Finisher-D1 or Staple Finisher-D1**
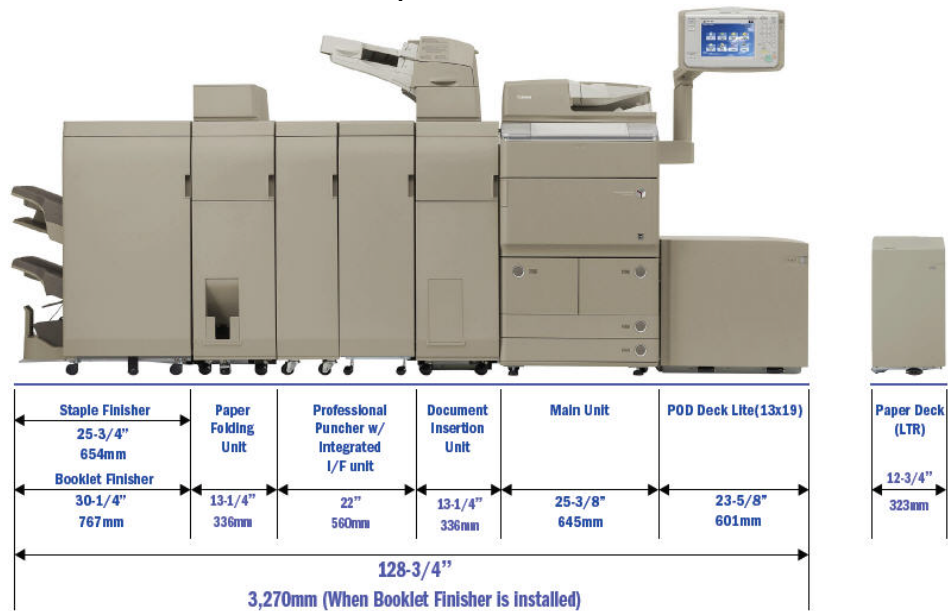


**Figure 7 – Dimensions with the Booklet Finisher-F1 PRO and Booklet Trimmer-D1**
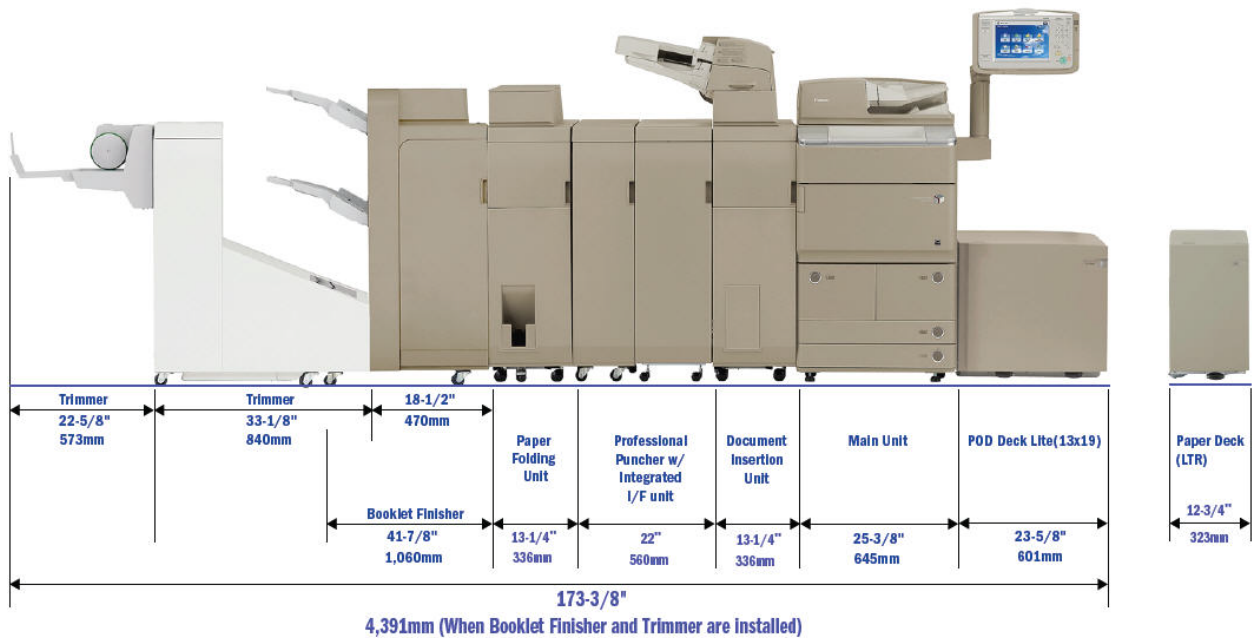
## D. Installation Space Requirements

The imageRUNNER ADVANCE 8000 Series approximate installation space requirements will differ depending on it is configuration with optional accessories.

**Table 16 – Installation Space Minimum Configuration**

| Minimum Configuration[68] |
|---|
| With the Booklet Finisher-D1 |



4"(100mm) or more

54" (1,372 mm)

19.75" (500 mm) or more     93.75" (2,382     19.75" (500 mm) or more     19.75" (500 mm) or more

| [1] Main Unit | [2] Booklet Finisher-D1 | [3] Duplex Color Image Reader Unit-C1 |
|---|---|---|

With the Booklet Finisher-F1 PRO



4"(100mm) or more

54.875" (1,393 mm)

19.75" (500 mm) or more     100.25" (2,346 mm)     19.75" (500 mm) or more     19.75" (500 mm) or more

| [1] Main Unit | [2] Booklet Finisher-F1 PRO | [3] Duplex Color Image Reader Unit-C1 |
|---|---|---|

[68] Includes opening space for the Main Unit and Accessory doors

**Table 17 – Installation Space Maximum Configuration**

| Maximum Configuration[68] | |
|---|---|
| With the Booklet Finisher-D1 | |



| [1] Main Unit | [2] POD Deck Lite-A1 |
|---|---|
| [3] Document Insertion Unit-K1 | [4] Professional Puncher-C1 |
| [5] Professional Puncher Integration Unit-B1 | [6] Paper Folding Unit-H1 |
| [7] Booklet Finisher-D1 | [8] Duplex Color Image Reader Unit-C1 |

With the Booklet Finisher-F1 PRO



| [1] Main Unit | [2] POD Deck Lite-A1 |
|---|---|
| [3] Document Insertion Unit-K1 | [4] Professional Puncher-C1 |
| [5] Professional Puncher Integration Unit-B1 | [6] Paper Folding Unit-H1 |
| [7] Booklet Finisher-F1 PRO | [8] Booklet Trimmer-D1 |
| [9] Duplex Color Image Reader Unit-C1 | |

Notes:

- Provide at least 19.75" (500mm) on the sides and the front of the device for unrestricted operation, including the opening of the main unit and accessory doors.
- With the main unit only, provide at least 4" (100mm) behind the device to the wall for unrestricted operation, including the opening of the main unit doors.
- With the accessories attached, provide at least 31.5" (800mm) behind the device to the wall for unrestricted operation, including the opening of the main unit and accessory doors.
- Do not place anything around the device. Especially, do not place anything around the breaker, as doing so may prevent access to the breaker in an emergency, possibly resulting in personal injury.

## E. Estimated Installation Times

Estimated installation times are based on an out-of-box installation of the main unit and optional accessories. Estimated installation times can be achieved only with four (4) or more service technicians experienced with the imageRUNNER ADVANCE 8000 Series. Table 18 – Estimated Installation Times are the minimum times for installation starting from an unpacked condition. It is calculated based on man-hours and is for reference purposes only.

Actual work times may differ from the estimated times shown in the table. Refer to the imageRUNNER ADVANCE 8000 Series Service Manual for further details.

**Table 18 – Estimated Installation Times**

| Description | Estimated Time |
|---|---|
| Main Body | 22 minutes |
| Duplex Color Image Reader Unit-C1 | 9 minutes |
| Booklet Finisher-F1-PRO | 15 minutes |
| Staple Finisher-D1 | 10 minutes |
| Booklet Finisher-D1 | 10 minutes |
| Professional Puncher-C1 (Including Integration Unit) | 17 minutes |
| Puncher Unit BB1 | 15 minutes |
| Puncher Unit-BF1 | 11 minutes |
| Booklet Trimmer-D1 | 30 minutes |
| Inner Booklet Trimmer-A1 | 14 minutes |
| Paper Deck Unit-C1 | 10 minutes |
| POD Deck Lite-A1 | 17 minutes |
| Paper Folding Unit-H1 | 12 minutes |
| Document Insertion Unit-K1 | 8 minutes |
| Printer Cover-B1 | 11 minutes |
| USB Device Port-A1 | 14 minutes |
| Voice Guidance Kit-F1 | 11 minutes |
| 2.5inch/80GB HDD-C1 2.5inch/250GB HDD-D1 | 9 minutes |

| Description | Estimated Time |
|---|---|
| Removable HDD Kit-AD1 | 25 minutes |
| HDD Data Encryption & Mirroring Kit-C2 | 25 minutes |
| Card Reader-C1 | 7 minutes |
| IPSec Board-B2 | 5 minutes |
| Image data Analyzer Board-A1 | 5 minutes |
| Additional Memory | 3.0 minutes |
| Copy Card Reader Attachment-A2 | 5 minutes |
| Multimedia Reader/Writer - A1 | 17 minutes |
| Copy Control Interface Kit-A1 | 7 minutes |
| PCI Bus Expansion Kit-F1 | 10 minutes |
| imagePASS-U1 | 45 minutes |
| Super G3 FAX Board-AF1 | 10 minutes |
| Super G3 2nd Line Fax Board-AF1 | 18 minutes |
| Super G3 3rd/4th Line Fax Board-AF1 | 29 minutes |

## F.    License Management System (LMS)

The License Management System (LMS) server is used to activate optional software features, preinstalled on all new devices. This replaces the need for additional hardware or dongles to activate new software.  Additionally the LMS is used to generate a license file for optional MEAP applications installed on devices using the Service Management Service.

The LMS is a server based software license program. Each purchased software application package contains a License Access Number certificate with the documentation.  The dealer must enter the license access number and the imageRUNNER ADVANCE serial number into the LMS server to generate a license Key. The LMS Server can be accessed through URL: http://www.canon.com/lms/ir/.

**Figure 8 – License Management System**
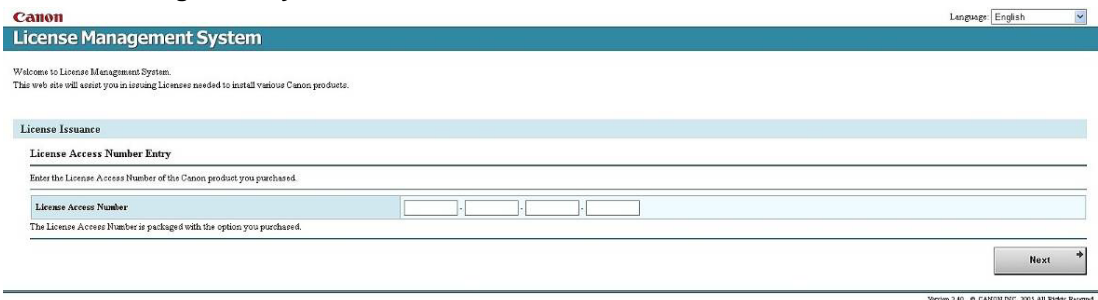


If there are activation or installation problems contact the Technical Support Center.  Be prepared to provide the product serial number, License Access Number, and license key.

Notes:

- The software is preinstalled on the imageRUNNER ADVANCE device, only a valid license key will enable the software feature (no additional packaged software is available or required).
- The License Access Number is packaged with the purchased software option.  A lost License Access Number will not be replaced.

- The imageRUNNER ADVANCE device serial number can be found in the "counter check" screen.
- Activated software programs will not be impacted by normal service activity (e.g., HDD replacement).

## G. The Content Delivery System

The Content Delivery System is an LMS-linked option for end-users to download, install and activate select MEAP applications (.jar file and license file) via the imageRUNNER ADVANCE device directly, without the need to go through the LMS and Service Management Service.

With this method, the CDS is accessed directly from the imageRUNNER ADVANCE device touch panel (User Mode) to download, register, and install MEAP applications to the imageRUNNER ADVANCE Device. The end-user/technician would enter the License Access Number of the MEAP application when prompted and follow the instructions on the touch panel to install and register the MEAP application.

Some MEAP applications include a Software License Agreement that must be agreed to before completing the installation and registration process.

Additionally imageRUNNER, imageRUNNER ADVANCE, and imagePRESS end-users have the option to download select MEAP applications, select client applications and related manuals from the CDS website located at: http://www.canon.com/fau/downloads.

**Figure 9 – Content Delivery System website**
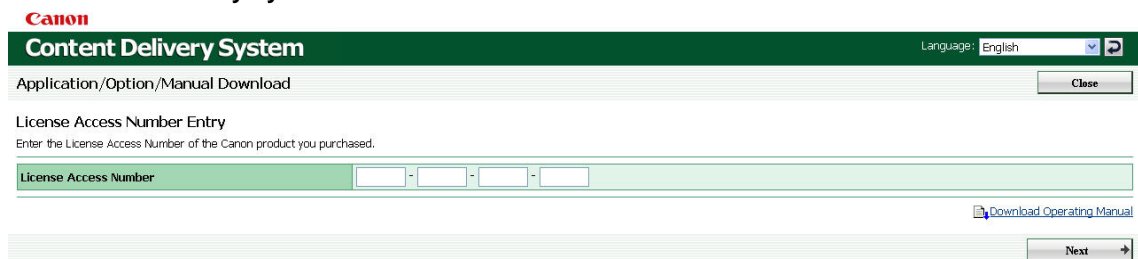


If there are activation or installation problems contact the Technical Support Center. Be prepared to provide the product serial number and license access number.

## H.  Recommended System Engineer Requirements

For a Canon copier dealership, a System Engineer[69] (SE) is recommended for working with Canon connectivity products and should have the following basic job functions:

- Systems integration (pre-sale and post-sale)
- Installation
- Education of customers and dealership personnel
- Troubleshooting

In order to successfully perform these tasks, it is crucial that the SE have strong computer skills and working knowledge in the following areas (listed in order of importance):

- The major computer platforms (IBM compatible and Macintosh)
- Computer hardware (including cabling) & software  (including drivers)
- Operating systems:
    - Windows NT 4.0 Workstation/Server
    - Windows Server 2003 (32 bit and 64 bit versions)
    - Windows XP Home/Professional (32 bit)
    - Windows XP Professional x64 (64 bit)
    - Windows 2000 Professional/Server/Advanced Server
    - Mac OS versions 10.1.5 and up (PS/PCL)/10.2.8 – 10.4.2 (UFR II)
- Network Operating Systems:
    - Novell NetWare 3.x, 4.x, 5x, and 6.x
    - Windows NT/2000/2003
    - Mac OS X
- Protocols:
    - TCP/IP
    - NetBIOS
    - IPX/SPX
    - AppleTalk
- Printing
- Scanning

Computer skills and working knowledge in the following areas may also be helpful:

- Other computer platforms (mainframe and UNIX)
- Networking
- Basic electronics

Education/Training, (listed in preferred order), of a successful Canon dealership SE are:

- Novell CNA or Novell CNE / Microsoft MCSE certification
- A Canon copier Service Technician with two years of experience centered on connectivity products.

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[69] A System Engineer (SE) is a professional title often used by hardware vendors for individuals who perform systems related tasks, such as analysis, design, and programming.  System Engineers are also often involved in pre-sales activities.

- A degree in computer science, engineering, or a computer technician with two years of experience is required in the above areas.

## I. Upgrading (Service Support Tool)

The Service Support Tool (SST) (Version 4.33 or later) is available via the Canon e-Support Center for updating the following system components:

- System Software stored on the HDD
- MEAP Cont
- Language
- HD Format
- Remote User Interface (RUI) stored on the HDD
- BootROM stored on a Flash Double Inline Memory Module (FDIMM) on the Main Controller Printed Circuit Board (PCB)

These imageRUNNER ADVANCE devices support firmware download from the SST and a USB memory stick. When the hard disk drive is replaced, the SST is used to format the new HDD and load software.

## J. Computer Requirements for Upgrading

Canon USA strongly recommends that dealers have a computer (desktop or laptop) available for use as a primary servicing tool to adequately service the imageRUNNER ADVANCE 8000 Series.

The following are the recommended Desktop PC or laptop specifications[70] to use for the download:

1. CPU: Celeron 400 MHz or higher
2. Memory: 512MB of RAM or higher
3. Free HDD Capacity: 1 GB or more of available hard disk space
4. Monitor Resolution: VGA (640x480)
5. 16 Bit Color
6. Serial Port: RS-232C (D-sub 9-pin connector)
7. Network Connection 10Base-T/10Base-TX or presence of PCMCIA slot (for Ethernet card)
8. CD-ROM Drive (If not equipped, use network to copy from CD-ROM to PC)
9. Operating System: Windows XP, Windows 2000
10. Download tool (software): SST version 4.33 or later
Necessary Cables: Cross-Over Ethernet Cable

The RS-232C cable is included with the Downloader PCB Assembly (FY9-2034-000).

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[70] Specifications are subject to change without notice.

### K. Hard Disk Drive Handling

The imageRUNNER ADVANCE 8000 Series uses a HDD for storage of the firmware and image data. The HDD is easily affected by shock, vibration, and static charge. Therefore, its handling requires special care. When transporting a HDD (which is available as a service part) it must be kept in its original package until it is installed into the main body.

Exemption clause:

Canon USA or any of its affiliates or dealers will not be liable for any damages for loss of data received or stored on the hard disk, including loss arising from lost opportunity to use such data, even if Canon is informed of the possibility of such damages. Therefore, it is recommended not to permanently store data on the HDD without having secured copies or printouts of such data. (Review the terms of the product's limited warranty for more details.)

Note: If a HDD must be replaced due to a fault, all MEAP application files stored on it will be lost, requiring reinstallation of all applications and their license files in addition to performing the normal work associated with the replacement of the hard disk. Refer to the imageRUNNER ADVANCE 8105/8095/8085 Series Service Manual for further details.

### L. Consumables

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

A number of factors are considered when the approximate yield expectancy of a consumable is determined, including paper size and the amount of coverage per page.

Note 1: All consumables shown in the below table are estimates for reference purposes only and are subject to change without notice. Actual usage may vary.

Note 2: These models contain logic (a default setting) to help the dealer control costs by only allowing a toner bottle to be replaced by the end-user customer when approximately 5% of its content remains. However, this can be disabled in Service Mode thereby allowing replacement of a bottle at any time by the end-user customer. Please see the Service Manual for details.

**Table 19 – Main Unit Consumables List**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) |
|---|---|---|---|
| GPR-37/38 Black Drum Unit | 3765B003AA | 1 | 6,000,000 |
| GPR-37 Black Toner | 3764B003AA | 1 | 70,000[72] |

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[71] Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.
[72] Estimated 6% toner coverage on LTR sized paper.

## M. Consumable Parts

Consumable parts are defined as those parts having a limited yield that will be reached during a customer's specific machine operation and should be replaced as needed. Examples of consumable parts may include but are not limited to feed rollers, cleaner blades, etc. The consumable parts provided below show an estimated yield to assist in the initial parts/supplies planning.

Note: All consumable parts shown in the below tables are for reference purposes only and are subject to change without notice.

**Table 20 – Main Unit Consumable Parts List**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Primary Charging Assembly | FM3-7288-000 | 1 | 1,000,000 | |
| Pre-transfer Charging Assembly | FM4-3149-000 | 1 | 1,000,000 | |
| Developing Assembly | FM4-0959-000 | 1 | 1,000,000 | High temperature/high humidity environment (30 deg C / 80%): 500,000 sheets |
| Drum Cleaning Blade | FL3-5187-000 | 1 | 600,000 | Blade is reversed @ 300,000 sheets |
| Drum Separation Claw | FB4-8018-000 | 3 | 500,000 | High temperature/high humidity environment (30 deg C / 80%): 250,000 sheets |
| Drum Front Side Seal | FC8-7086-000 | 1 | 500,000 | |
| Drum Rear Side Seal | | 1 | 500,000 | |
| Scraper | FC9-9153-000 | 2 | 500,000 | |
| ETB | FC8-7160-000 | 1 | 500,000 | |
| Transfer Roller | FC8-7159-000 | 1 | 500,000 | |
| Brush Roller | FC9-9022-000 | 1 | 500,000 | |
| ETB Cleaning Blade | FC6-1647-000 | 1 | 500,000 | |
| Fixing Web | FC5-2286-000 | 1 | 500,000 | |
| Fixing Roller[73] | FL3-3602-000 | 1 | 600,000 | |
| Fixing Roller Insulating Brush | FC9-8069-000 | 2 | 600,000 | |
| Fixing Roller Thrust retainer | FC6-3501-020 | 2 | 600,000 | Change simultaneously with fixing roller |
| Pressure Roller Unit | FM4-3158-000 | 1 | 600,000 | |
| Pressure Roller Static Eliminator | FC9-6170-000 | 1 | 600,000 | |
| Upper Separation Claw | FB5-3625-000 | 6 | 500,000 | |
| Cassette 3 Pickup Roller | FC5-2524-000 | 1 | 500,000 | |
| Cassette 4 Pickup Roller | | 1 | 500,000 | |
| Right Deck Pickup Roller | | 1 | 500,000 | |
| Left Deck Pickup Roller | | 1 | 500,000 | |
| Cassette 3 Feed Roller | FC5-2526-000 | 1 | 500,000 | |
| Cassette 4 Feed Roller | | 1 | 500,000 | |
| Right Deck Feed Roller | | 1 | 500,000 | |
| Left Deck Feed Roller | | 1 | 500,000 | |

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[73] The Fixing Roller is part of the Canon Refurbished Subassembly Program and can be refurbished at a reduced cost. See The Canon Refurbished Subassembly , Page 46.

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Cassette 3 Separation Roller | FC5-2528-000 | 1 | 500,000 | |
| Cassette 4 Separation Roller | | 1 | 500,000 | |
| Right Deck Separation Roller | | 1 | 500,000 | |
| Left Deck Separation Roller | | 1 | 500,000 | |
| Multi-purpose Tray Separation Roller | FC6-6661-000 | 1 | 120,000 | |
| Multi-purpose Tray Feed Roller | FB1-8581-000 | 1 | 120,000 | |

**Table 21 – Duplex Color Image Reader Unit-A1 Consumable Parts List**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Pickup roller | FC8-5577-000 | 1 | 80,000 | |
| Feed roller 1 | FL2-9608-000 | 1 | 80,000 | |
| Separation roller | FB2-7777-000 | 1 | 80,000 | |
| Dust-colleting | FC8-5633-000 | 2 | 80,000 | |
| Dust-colleting type E | FC8-5727-000 | 8 | 80,000 | |
| Stamp | FC&-5465-000 | 1 | 7,000 | |

**Table 22 – POD Deck Lite-A1/Paper Deck Unit-C1 Consumable Parts List**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Pickup Roller (Front) | FF5-7829-000 | 1 | 500,000 | |
| Pickup Roller (Rear) | FF5-7830-000 | 1 | 500,000 | |
| Feed Roller | FF6-1975-000 | 2 | 500,000 | |
| Separation Roller | FB2-7777-000 | 1 | 500,000 | |

**Table 23 – Booklet Finisher-F1 PRO Consumable Parts**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Staple | FM2-6574-000 | 1 | 500,000 times | |
| Feed belt | FB5-9103-000 | 2 | 3,000,000 | |
| belt roller | FC6-6148-000 | 2 | 6,000,000 | |
| Delivery static eliminator | FC9-3038-000 | 1 | 1,000,000 | |
| Stack delivery roller static | FC8-3249-000 | 2 | 1,000,000 | |
| Stack delivery roller static eliminator | FL2-9047-000 | 1 | 6,000,000 | |
| Saddle alignment roller | FC8-7495-000 | 4 | 5,000,000 | |
| Saddle separation roller | FL3-2010-000 | 1 | 1,000,000 | |
| Saddle inlet static eliminator | FC9-1432-000 | 1 | 3,000,000 | |
| Saddle inlet roller static eliminator | FC9-139-000 | 2 | 3,000,000 | |
| Saddle intermediate static eliminator | FL3-2005-000 | 1 | 3,000,000 | |
| Saddle feed guide lower static eliminator | FC9-1394-000 | 3 | 3,000,000 | |
| Saddle stapler | FM4-0556-000 | 1 | 300,000 times | |

**Table 24 – Booklet Finisher-D1 /Staple Finisher-D1 Consumable Parts**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Static Eliminator (Feed Guide Unit) | FC9-3335-000 | 1 | 1,000,000 | |
| Shutter Torque Limiter | FC9-3559-000 | 1 | 1,000,000 | |
| Stapler Unit | FM4-4697-000 | 1 | 500,000 | |
| Paper Holding Torque Limiter | FC9-3323-000 | 1 | 1,000,000 | |
| Tray-1 Torque Limiter | FC9-3559-000 | 2 | 200,000 | |
| Tray-2 Torque Limiter | FC9-3559-000 | 2 | 200,000 | |
| Static Eliminator (Swing Guide Unit) | FC9-3151-000 | 1 | 1,000,000 | |
| Static Eliminator (Swing Guide Unit) | FC9-3150-000 | 1 | 1,000,000 | |
| Stack Delivery Upper Roller (Front/Rear) | FC9-3148-000 | 2 | 3,000,000 | |
| Stack Delivery Upper Roller (Center) | FC9-3149-000 | 1 | 3,000,000 | |
| Sub Guide Torque Limiter | FC9-3111-000 | 2 | 3,000,000 | |
| Static Eliminator (Grate-shaped Lower Guide Unit) | FL3-2575-000 | 2 | 1,000,000 | |
| Paper Holding Rubber | FC9-3108-000 | 1 | 3,000,000 | |
| Swing Guide Solenoid | FK2-8206-000 | 1 | 1,000,000 | |
| Torque Limiter (Tray-1/2 Paper Holder) | FC9-3111-000 | 2 | 1,000,000 | |
| Paper Return Guide Roller (Front) | FC9-3436-000 | 1 | 3,000,000 | |
| Paper Return Guide Roller (Rear) | FC9-3319-000 | 1 | 3,000,000 | |
| Paper Holding Roller | FC9-3320-000 | 1 | 3,000,000 | |
| Shutter Clutch | FK2-8207-000 | 1 | 1,000,000 | |
| Side Rib | FL3-4973-000 | 2 | 200,000 | Staple Finisher-D1 Only |

**Table 25 – Paper Folding Unit-U1 Consumable Parts**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Through-feed inlet antistatic needle | FL3-3406-000 | 2 | 6,000,000 | |
| Through-feed outlet antistatic needle | FL3-3418-000 | 2 | 6,000,000 | |
| Folding front lower roller clutch 1 | FK2-4588-000 | 1 | 1,000,000 | |
| Folding front lower roller clutch 2 | FK2-4588-000 | 1 | 1,000,000 | |
| Folding/spacing solenoid | FM4-4117-000 | 1 | 1,000,000 | |
| Through/folding branching flapper solenoid | FM3-2307-000 | 1 | 2,000,000 | |
| C-fold stopper solenoid | FK2-4587-000 | 1 | 3,000,000 | |
| C-fold tray branching solenoid | FM3-2290-000 | 1 | 3,000,000 | |

**Table 26 – Document Insertion Unit-K1 Consumable Parts**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Through-pass inlet antistatic needle | FL3-3420-000 | 2 | 6,000,000 | |
| Through-pass outlet antistatic needle | FL3-3418-000 | 2 | 6,000,000 | |
| Pickup roller (upper) | 4A3-3870-000 | 2 | 100,000 | |
| Separation roller (upper) | 4A3-3868-000 | 1 | 100,000 | |
| Feed roller (upper) | 4A3-3869-000 | 1 | 100,000 | |
| Torque limiter (upper) | 4A3-3888-000 | 1 | 1,000,000 | |
| Electromagnetic clutch (upper) | 4H3-0290-000 | 1 | 1,000,000 | |
| Pickup roller (lower) | 4A3-3870-000 | 2 | 100,000 | |
| Separation roller (lower) | 4A3-3868-000 | 1 | 100,000 | |
| Feed roller (lower) | 4A3-3869-000 | 1 | 100,000 | |
| Torque limiter (lower) | 4A3-3888-000 | 1 | 1,000,000 | |
| Electromagnetic clutch (lower) | 4H3-0290-000 | 1 | 1,000,000 | |
| Reversal solenoid assembly | FL2-7191-000 | 1 | 1,000,000 | |

**Table 27 – Booklet Trimmer-D1 Consumable Parts List**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints[71]) | Remarks |
|---|---|---|---|---|
| Trimming upper blade unit | FC3-4391-000 | 1 | 500,000 sets | |
| Trimming lower blade | FC3-3043-000 | 1 | 500,000 sets | |

## N.    Periodically Replaced Parts

**Table 28 – Periodic Replacement Parts**

| Description | Part Number[13] | Quantity | Estimated Life (copies/prints) | Remarks |
|---|---|---|---|---|
| Primary Charging Wire Unit | FL3-4558-000 | 2 | 500,000 | All-in-one (Charging Wire + Spring) High temperature/high humidity environment (30 deg C / 80%): 250,000 sheets |
| Primary Charging Wire | FB4-3687-000 | AR | 500,000 | High temperature/high humidity environment (30 deg C / 80%): 250,000 sheets |
| Primary Charging Wire cleaner | FL2-0462-000 | 2 | 500,000 | |
| Pre-transfer Charging Wire cleaner holder | FL2-2720-000 | 2 | 500,000 | |
| Primary Grid Wire | FY1-0883-000 | AR | 500,000 | |
| Pre-transfer Charging Wire Unit | FL3-4559-000 | 1 | 500,000 | All-in-one (Charging Wire + Spring) High temperature/high humidity environment (30 deg C / 80%): 250,000 sheets |
| Pre-transfer Charging Wire | FB4-3687-000 | AR | 500,000 | High temperature/high humidity environment (30 deg C / 80%): 250,000 sheets |
| Pre-transfer Charging Wire cleaner | FL2-0462-000 | 1 | 500,000 | |
| Pre-transfer Charging Wire cleaner holder | FL2-2720-000 | 1 | 500,000 | |
| Main Thermistor Unit | FK2-7692-000 | 1 | 500,000 | |
| Sub Thermistor | FK2-7693-000 | 2 | 500,000 | |
| Ozone Filter | FL3-2134-000 | 2 | 1,000,000 | For exhausting from the rear lower side |
| Dustproof Filter | FC8-9564-000 | 1 | 1,000,000 | For primary charging |

## O. Periodic Maintenance

Some parts must be maintained and/or replaced on a periodic basis to ensure a specific level of machine performance. These parts are likely to affect the performance once they fail even in the absence of external change or damage. Whenever possible, plan their replacement so that it will coincide with a scheduled service visit.

**Table 29 – Main Unit Periodic Maintenance**

| Part Name | Estimated Timing[74] | | | | | | Remarks |
|---|---|---|---|---|---|---|---|
| | Every 120,000 (sheets) | Every 250,000 (sheets) | Every 500,000 (sheets) | Every 600,000 (sheets) | Every 1,000,000 (sheets) | As needed | |
| ♦:Replacement (Periodical replacement)  ●: Replacement (Consumable parts) Δ: Cleaning  ×: Lubrication □: Adjustment  ■: Inspection | | | | | | | |
| Primary Charging Assembly | | | | | ● | | |
| Primary Charging Wire | | | ♦ | | | | |
| Primary Charging Wire cleaner | | | ♦ | | | | Replace at 250,000 sheets in a high temperature / humidity environment (30 deg C/80%) |
| Primary Charging Wire cleaner holder | | | ♦ | | | | |
| Pre-transfer Charging Wire | | | ♦ | | | | |
| Grid Wire | | Δ | ● | | | | Clean with lint-free paper moistened with water. |
| Pre-transfer Charging Assembly | | | | | ● | | |
| Pre-transfer Charging Wire cleaner | | | ♦ | | | | |
| Pre-transfer Charging Wire cleaner holder | | | ♦ | | | | |
| Developing Assembly | | | | | ● | | Replace at 500,000 sheets in a high temperature / humidity environment (30 deg C/80%) |
| Drum Cleaning Blade | | | | ● | | | Reverse the blade every 300,000 sheets (single-sided) |
| Drum Separation Claw | | | ● | | | | |
| Drum Front Side Seal | | | ● | | | | |
| Drum Rear Side Seal | | | ● | | | | |
| Scraper | | | ● | | | Δ | |
| Dustproof Glass | | | | | | Δ | |
| Pre-transfer Charging Assembly Dust Collection Roller | | | Δ | | | | Clean with lint-free paper moistened with alcohol |
| Pre-transfer Charging Assembly Roller electrode area | | | Δ | | | | |

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[74] Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation: monthly copy volume, environment, type of image printed and customer handling of the equipment.

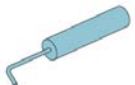| Part Name | Estimated Timing[74] | | | | | | Remarks |
|---|---|---|---|---|---|---|---|
| | Every 120,000 (sheets) | Every 250,000 (sheets) | Every 500,000 (sheets) | Every 600,000 (sheets) | Every 1,000,000 (sheets) | As needed | |
| ♦:Replacement (Periodical replacement)  ●: Replacement (Consumable parts) Δ: Cleaning  ×: Lubrication □: Adjustment  ■: Inspection | | | | | | | |
| Primary Charging Assembly Shield Plate | | Δ | | | | | Clean with lint-free paper moistened with water. |
| Pre-transfer Charging Assembly Shield Plate | | | Δ | | | | |
| Pre-transfer Charging Assembly Toner collection area | | | Δ | | | | Remove toner in the toner collection area. |
| Drum Cleaning Unit Plate | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |
| Toner collection area | | | Δ | | | | Crumb toner clusters. |
| Separation Claw Mounting Base | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |
| Patch Sensor | | | Δ | | | | Clean in the single direction with a wet and tightly wrung cotton swab. |
| Process Unit Rear Guide | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |
| Drum Sliding Assembly | | | | | | × | Apply lubricant at the Drum Sliding Assembly when abnormal sound is heard during operation. |
| Drum Face | | | Δ | | | | Using lint-free paper, clean the drum with the drum cleaning powder (CK-0429). |
| Drum Edge | | Δ | | | | | Clean with lint-free paper moistened |
| Lower side of Developing Assembly | | | | | | Δ | Remove toner scattered during the removal of the Developing Assembly. |
| Developing Roller | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |
| Developing Cylinder | | | Δ | | | | |
| Lower side of Cylinder | | | Δ | | | | |
| Toner Receptacle Tray | | | | | | Δ | Remove toner on the tray. |
| Waste Toner Container | | | Δ | | | | Clean when the message is displayed. |
| ETB | | | ● | | | | |
| Transfer Roller | | | ● | | | | |
| Brush Roller | | | ● | | | | |
| ETB Cleaning Blade | | | ● | | | | |
| ETB Driver Roller | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |
| ETB Idler Roller | | | Δ | | | | |
| Fixing Cleaning Web | | | ● | | | | |
| Fixing Cleaning Web Guide | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |

| Part Name | Estimated Timing[74] | | | | | | Remarks |
|---|---|---|---|---|---|---|---|
| | Every 120,000 (sheets) | Every 250,000 (sheets) | Every 500,000 (sheets) | Every 600,000 (sheets) | Every 1,000,000 (sheets) | As needed | |
| ♦:Replacement (Periodical replacement)   ●: Replacement (Consumable parts) Δ: Cleaning   ×: Lubrication □: Adjustment   ■: Inspection | | | | | | | |
| Fixing Roller | | | ● | | | | |
| Fixing Roller Insulating Bush | | | ● | | | | |
| Fixing Roller Thrust retainer | | | ● | | | | |
| Fixing Sub Thermistor 1(THM2) | | | ♦ | | | | |
| Fixing Main Thermistor (THM1) | | | ♦ | | | | |
| Fixing Sub Thermistor 2(THM3) | | | ♦ | | | | |
| Fixing Sub Thermistor 2(THM4) | | | ♦ | | | | |
| Pressure Roller Unit | | | ● | | | | |
| Pressure Roller Static Eliminator | | | ● | | | | |
| Fixing Inlet Guide | | | Δ | | | | Clean with solvent and lint-free paper. Remove paper lint on the Inlet Sensor Flag. |
| Fixing Oil Receiver | | | Δ | | | | Dry wiping |
| Fixing Right Stay | | | Δ | | | | Clean with solvent and lint-free paper. |
| Dowel | | | Δ | | | | |
| Dowel Holder | | | Δ | | | | |
| Fixing Inlet Sensor Flag | | | Δ | | | | |
| Inner Delivery Roller | | | Δ | | | | Clean with solvent and lint-free paper. |
| Fixing Roller Static Eliminator | | | Δ | | | | Dry wipe |
| Upper Separation Claw | | | ● Δ | | | | Clean this part when not replaced. Clean with solvent and lint-free paper. |
| Cassette 3 Pickup Roller | | | ● | | | | Actual use in terms of number of prints. |
| Cassette 4 Pickup Roller | | | ● | | | | |
| Cassette 3 Feed Roller | | | ● | | | | |
| Cassette 4 Feed Roller | | | ● | | | | |
| Cassette 3 Separation Roller | | | ● | | | | |
| Cassette 4 Separation Roller | | | ● | | | | |
| Right Deck Pickup Roller | | | ● | | | | |

| Part Name | Estimated Timing[74] | | | | | | Remarks |
|---|---|---|---|---|---|---|---|
| | Every 120,000 (sheets) | Every 250,000 (sheets) | Every 500,000 (sheets) | Every 600,000 (sheets) | Every 1,000,000 (sheets) | As needed | |
| ♦:Replacement (Periodical replacement)  ●: Replacement (Consumable parts) Δ: Cleaning  ×: Lubrication □: Adjustment  ■: Inspection | | | | | | | |
| Left Deck Pickup Roller | | | ● | | | | Actual use in terms of number of prints. |
| Right Deck Feed Roller | | | ● | | | | |
| Left Deck Feed Roller | | | ● | | | | |
| Right Deck Separation Roller | | | ● | | | | |
| Left Deck Separation Roller | | | ● | | | | |
| Multi-purpose Tray Separation Roller | ● | | | | | | |
| Multi-purpose Tray Feed Roller | ● | | | | | | |
| Feed Guide | | | Δ | | | | Remove paper lint with lint-free paper and cleaning tool. |
| Rollers/wheels | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |
| Separation Static Eliminator | | | Δ | | | | Remove paper lint (toner) with Blower. |
| Duplex Unit Cleaning Brush | | | Δ | | | | Using Blower, remove paper lint collected by the Cleaning Brush. |
| Registration Unit Magnet | | | Δ | | | | Clean with lint-free paper moistened with alcohol. |
| Scanner Sensor (Pickup Assembly) | | | | | Δ | | Using Blower, remove paper lint Left Deck Pickup Sensor 2 (PS20),Right Deck Pickup Sensor 2 (PS19) ,Cassette 3 Pickup Sensor 2 (PS21), Cassette 4 Pickup Sensor 1 (PS22) when replacing Separation Roller |
| Scanner Sensor (Feeding Assembly) | | | | | Δ | | Using Blower, remove paper lint Vertical Path Sensor 1 (PS24), the Multi-purpose Tray Last Paper Sensor (PS28), the Registration Sensor (PS29), Reverse Vertical Path Sensor (PS65), Duplex Outlet Sensor (PS64), Duplex Merge Sensor (PS67), and Duplex Left Sensor (PS66) |
| Ozone Filter | | | | | ♦ | | |
| Dustproof Filter | | | | | ♦ | | |

## P.    Special Tools

In addition to the standard tools used to service these devices, the following special tools should also be carried according to its rank when servicing an imageRUNNER ADVANCE 8000 Series.

**Table 30 – Special Tools**

| Description | Part Number[13] | Rank | Appearance | Remarks |
|---|---|---|---|---|
| Digital Multimeter | FY9-2002-000 | A | | Use for electrical checks; for adjustment of laser power in combination with the laser power checker. |
| Cover Switch | TKN-0093 | A | | |
| Tester Extension Pin | FY9-3038-000 | A | | Used as a probe extension when making electrical checks. |
| Tester Extension Pin (L Shaped) | FY9-3039-000 | A | | Used as a probe extension when making electrical checks. |
| Mirror Positioning Tool | FY9-3046-040 | B | | Used for positioning mirror mounts. |
| NA-3 Test Sheet | FY9-9196-000 | A | | Used for adjusting/checking images. |
| Electrode for checking potential sensor | FY9-3057-010 | B | | Surface potential sensor for zero-level check |
| **Rank Description** | | | | |
| A: Each service person is expected to carry one. | | | | |
| B: Each five or so service persons are expected to carry one. | | | | |

Refer to the imageRUNNER ADVANCE 8105/8095/8085 Series Service Manual for complete details.

## Q.    Solvents and Oils

**Table 31 – Solvents and Oils**

| Name | Uses | Composition | Remarks |
|---|---|---|---|
| Alcohol | Cleaning; e.g., glass, plastic, rubber; external covers. | • Fluoride-family<br>• hydrocarbon<br>• Alcohol<br>• Surface activating agent<br>• Water | • Do not bring near fire<br>• Procure locally<br>• Substitute: IPA (isopropyl alcohol) |
| Alcohol | Cleaning; e.g., metal; oil or toner stain. | • Fluoride-family<br>• hydrocarbon<br>• Chlorine-family hydrocarbon<br>• Alcohol | • Do not bring near fire<br>• Procure locally<br>• Substitute: MEK |
| Heat-resistant grease | Lubrication; e.g., fixing drive areas. | • Mineral oil-family lithium soap<br>• Molybdenum<br>• disulfide | MO-138S<br>Tool No.: CK-0427 (500 g/can) |
| Lubricating oil | | Mineral oil (paraffin-family) | Tool No.: CK-0524 (100 cc) |
| Lubricating oil | Lubrication; i.e., drive areas, friction areas. | Silicone oil | Tool No.: CK-0551 (20 g) |
| Lubricating oil (EM-50L) | Lubrication; e.g., gears. | • Special oil<br>• Special solid<br>• lubricating agent<br>• Lithium soap | Tool No.: HY9-0007 |
| Lubricating oil | Lubrication; e.g., scanner rail | Silicone oil | Tool No.: FY9-6011 (50 cc) |
| Super lube grease | Apply to the fixing assembly gears | Chemical synthesis oil | • Chemical synthesis oil<br>• Tool Number: FY9-6005 (80g) |
| Tospearl (lubricant for Photo-sensitive drum cleaning blade) | Used to prevent detachment of the drum cleaning blade. | | Tool No.: FY9-6007 |

### R. Soft Counter

The imageRUNNER ADVANCE 8000 Series uses soft counters to track its functional copy use. The control panel can display up to six (6) counters on the counter status check screen (when the counter check key button on the control panel is pressed). By default, the imageRUNNER ADVANCE 8000 Series displays six (6) counters on the counter status check screen.

The Table below indicates the default counter configurations of the imageRUNNER ADVANCE 8000 Series on the counter status check screen.

**Table 32 – Soft Counter**

| Counter | Counter Description (from Service Manual) | Default Display | Adjustability of Display |
|---------|------------------------------------------|-----------------|--------------------------|
| 1 | 101: Total 1 | On | May be Swapped to different Total Counter via Service Mode setting |
| 2 | 103: Total (Large) | On | May be Changed via Service Mode setting to any available counter |
| 3 | 201: Copy (Total 1) | On | |
| 4 | 203: Copy (Large) | On | |
| 5 | Not Displayed | Off | |
| 6 | Not Displayed | Off | |

Refer to the imageRUNNER ADVANCE 8105/8095/8085 Series Service Manual for complete details on the Soft Counter configurations.

### S. MEAP Counter

In addition to the Soft Counter function, a MEAP Application Counter counts the number of prints and scans per MEAP application. There are two methods to display the MEAP Application Counter value. The MEAP counter can be viewed from a web browser through a network connected PC with the MEAP device by logging into the SMS "Application/License Information" page.

To view the MEAP counter from the device itself, press "Counter Check" on the control panel, then from the LCD screen, press the "MEAP Counter" button.

Each MEAP application has its own counter. The number of applications that can be installed on an imageRUNNER ADVANCE 8000 Series is directly related to the number of counters available. There are twenty (20) counters available for MEAP applications. However, this device uses one (1) MEAP application counter for the optional Universal Send. Therefore, the number of additional MEAP applications that can be installed is nineteen (19).

There are three types of MEAP applications:

- Applet - a user interface for the application is on the control panel of the copier. Applet type applications used directly from the control panel are limited to nine (three tabs in each pane time's three panes).
- Servlet - a remote user interface is available for the application.
- Esplet - there is no user interface for the application.

## VII. Suggested End-User Customer Service Offerings

### A. Monthly Copy Volume

**Note:** The maximum monthly volume (print/copy) represents the maximum number of pages the machine can produce within a one-month period (based upon letter size paper). However, the device should not be used to produce this or a greater volume on a consistent monthly basis.

**Table 33 – Monthly Copy Volume**

| Model | Optimum PCV | Maximum Monthly Volume |
|---|---|---|
| imageRUNNER ADVANCE 8105 | Approximately 150,000-500,000 | Up to 1,000,000 |
| imageRUNNER ADVANCE 8095 | Approximately 100,000-450,000 | Up to 900,000 |
| imageRUNNER ADVANCE 8085 | Approximately 50,000-350,000 | Up to 750,000 |

**Table 34 – Monthly Print Copy Volume Definitions**

| Monthly PCV Type | Description |
|---|---|
| **Optimum PCV** | This is the print/copy volume range that the equipment was intended to run on a regular basis to maintain a high level of performance and print/copy quality. Running the equipment within this range ensures that no undue stress is placed on components, and it allows time for the proper servicing and maintenance of the equipment. |
| **Maximum Monthly Volume** | On occasion, the machine can produce up to the above prints/copies. However, sustained use of the machine at this level, will significantly impact the long term performance and durability of the machine. You should expect an increase in the number of service calls and down time during periods of maximum production use. |

### B. The Canon Refurbished Subassembly / Roller Return Program

The Refurbished Subassembly Program has been expanded to include the Fixing Roller of the imageRUNNER ADVANCE 8105/8095/8085. The performance of the refurbished roller will be at the same high level as an equivalent new roller.

In order to receive a refurbished imageRUNNER ADVANCE 8105/8095/8085 Fixing Roller, the worn fixing roller must be shipped to Canon Virginia Inc.

Refurbished Fixing Rollers will be provided to authorized dealerships at a cost savings vs. purchasing a NEW Fixing Roller.

The logistical details of the Refurbished Subassembly Program for the Fixing Roller and Frequently Asked Questions are available on the e-Support Center website in the Warranty section under the Subassembly Refurbishing Tab.

## C. Limited Warranty Support

### 1. imageRUNNER ADVANCE 8105/8095/8085 Series Limited Warranty

Ninety (90) days after delivery to the original purchaser or 600,000 prints/copies, or a combination of both, whichever comes first.

This limited warranty covers the product accessories. For detailed limited warranty information, please refer to the Canon imageRUNNER ADVANCE 8105/8095/8085 Series Limited Warranty, page 87.

Note: No warranty is given on any consumables or consumable parts, such as paper, toner, chemicals, or pick-up rollers.

### 2. GPR-37/38 Drum Unit Limited Warranty

| Full Credit: | 100,000 prints or copies (or a combination of both) or 30 days after delivery to the original purchaser, whichever comes first. |
|---|---|
| Prorated Credit: | 2,000,000 prints or copies (or a combination of both) or 1 year after delivery to the original purchaser, whichever comes first. |

For detailed limited warranty information, please refer to the CANON GPR-37/38 DRUM LIMITED WARRANTY, page 88.

### 3. Flat - Rate Program

The Flat-Rate Program provides a flat rate credit to Canon USA full-line dealers as compensation for warranty expenses that they may incur. Dealers who purchase an imageRUNNER ADVANCE 8105/8095/8085 device will receive Flat-Rate Program credit during the month following their purchase. This credit covers the dealer's cost of defective parts and drums with a dealer cost under $300.00 replaced during the term of the end-user limited warranty.

The Flat-Rate Program avoids the dealer of having to return each and every failed part, regardless of how inexpensive they are, and only requires the dealer to return the more expensive parts to receive reimbursement for in-warranty failures. The flat-rate credit is calculated by a percentage of your eligible machine purchases, drums and accessories. Flat-rate credits are posted monthly.

Additional information on the Flat-Rate Program is located on the Canon USA e-Support Center website as shown in the below screen shot.

**Figure 10 – e-Support: Flat-Rate Program**
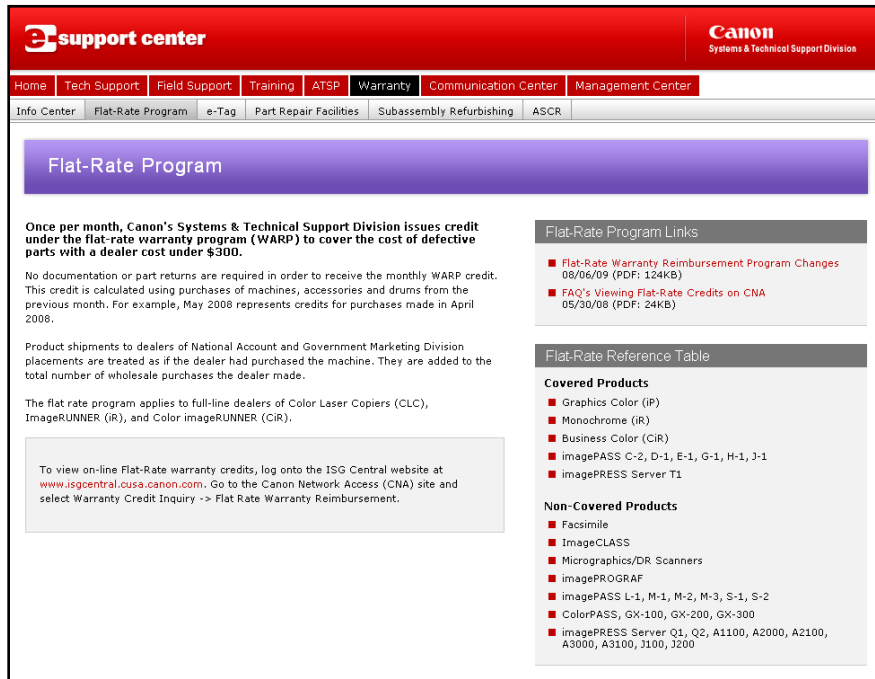


Original defective parts with a dealer cost over $300.00 replaced during the term of the end-user limited warranty are eligible to receive reimbursement credit through the e-Tag process.

To request a part reimbursement credit, complete the e-Tag limited warranty claim form that can be found in the warranty section of the Canon USA e-Support Center website.  Refer to the e-Tag section of this Service Guide for further details and instructions.

Parts that are listed on the Canon USA repairable parts list should be sent to an Authorized Parts Repair Facility (APRF) to be repaired at no-charge.  Refer to the Warranty Parts For Repair section of this Service Guide for further details and instructions.

To acquire access to the on-line limited Warranty Credit Feature, please contact your dealership's ISG Central Dealer Administrator or your Canon Regional office for assistance.

Your Regional Service Office personnel can answer questions regarding the Flat-Rate Program.

## 4. Warranty Parts For Repair

The Authorized Parts Repair Facilities (APRF) are authorized through Canon USA to repair circuit boards for various Canon products. The APRF program is designed to help your dealership reduce service costs by having circuit boards repaired instead of purchasing brand new parts. Each circuit board is live tested and updated to the latest version prior to returning it to your dealership.

Parts specified on the Canon USA Repairable Parts List must be shipped prepaid directly to one of the following Authorized Parts Repair

Facilities.

| **Hytec Dealer Services, Inc.**<br>3600 Vineland Road (Suite 121)<br>Orlando, FL  32811 | **Nation-Wide Repair Service, Inc.**<br>16151 Foster Street<br>Overland Park, KS  66085 |
|---|---|
| Telephone: 1-407-297-1001<br>Customer Service:1-800-883-1001<br>Technical Support: 1-888-883-2001<br>Fax: 1-407-297-4310 | Telephone: 1-866-655-8676<br>Technical Support: 1-800-798-1814<br>Fax: 1-913-631-8372 |

The Repairable Parts List index is located on the Canon USA e-Support Center Website in the Warranty Support Tab/Part Repair Facilities subsection.  Select from the Repairable Parts List as shown below for the most current list.

**Figure 11 – e-Support: Authorized Parts Repair Facilities**
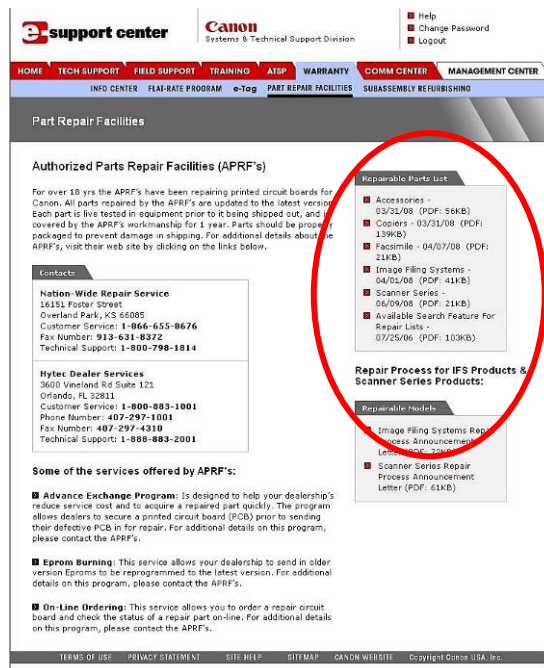


Repairable parts under limited warranty are repaired free-of-charge by an APRF.  Under normal circumstances, the turnaround time is approximately five (5) business days.  Your part will be shipped UPS Ground once it has been repaired and tested.

In instances when a part is deemed as non-repairable, the APRF will contact your dealership and the Warranty Control Section will issue a credit to your account.

To check the status of your part, please contact the APRF.

Warranty Parts over $300.00 that are not on the Repairable Parts List

All original defective parts with a dealer cost valued over $300.00, that are not specified on the Repairable Parts List, must be submitted to Canon Virginia, Inc. with a completed e-Tag limited warranty claim form and a handwritten or computer generated copy of the machine service

history.

Canon Virginia, Inc.
12000 Canon Boulevard
Newport News, VA  23606
Attention: Warranty Returns

The service history log must include the following:

- Dealer Name
- Part Description
- Machine Installation Date
- Date Part Was Removed
- Machine Serial Number
- Machine Copy Count
- Part Number
- Reason For Removal
- Work Performed (Highlight Current Service Call)

## 5. e-Tag

e-Tag is an electronic limited warranty claim form that is completed on-line, printed out and accompanied by the **original** defective part or defective drum being returned to the Warranty Control Section for warranty compensation.

The e-Tag limited warranty claim form can be found in the warranty section of the Canon USA e-Support Center website.

**Figure 12 – e-Support: e-Tag**
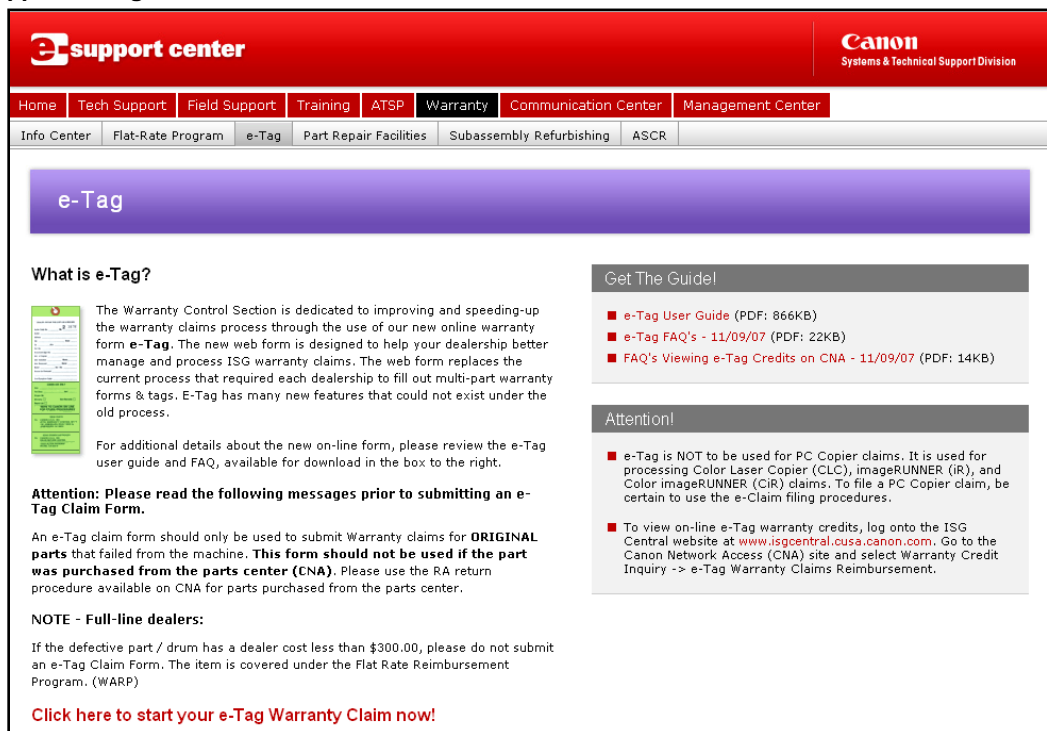
To submit an e-Tag limited warranty claim, select the type of claim from the "Submit a New Warranty Claim for" Dropdown list shown below and complete the required sections of the e-Tag limited warranty claim form.

**Figure 13 – e-Support: e-Tag Claim Selection Menu**
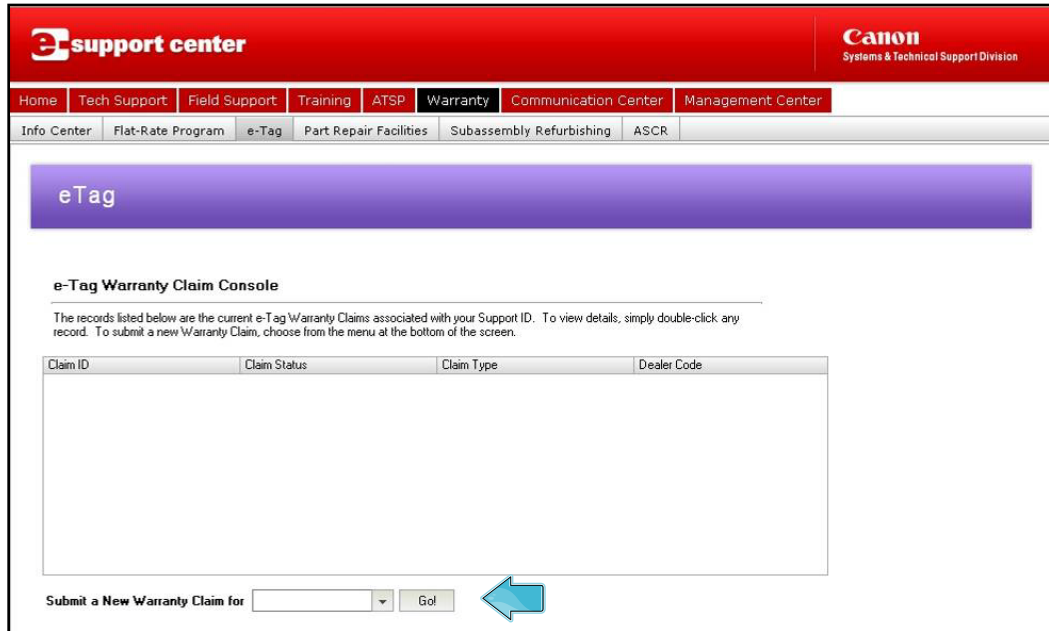


A copy of the e-Tag limited warranty claim form and the machine service history should be returned with the original defective part(s) to the address provided on the bottom of the e-Tag limited warranty claim form. The service history log can be handwritten or computer generated and must include the following:

- Dealer Name
- Machine Installation Date
- Machine Serial Number
- Part Number
- Work Performed (Highlight Current Service Call)
- Part Description
- Date Part Was Removed
- Machine Copy Count
- Reason For Removal

For defective drums, ship the drum to the address provided on the bottom of the e-Tag limited warranty claim form, accompanied by a copy of the e-Tag limited warranty claim form, machine service history log, a "before" sample copy depicting the problem and an "after" sample copy showing the problem has been resolved.

After authorization, part, drum and labor credits are posted on the CNA website on the following business day.

### 6. On-Line Limited Warranty Credit Inquiry

The On-Line Limited Warranty Credit Inquiry allows your dealership to check, download and print details of e-Tag and Flat-Rate credits on the Canon Network Access (CNA) website.

### a) e-Tag Inquiry:

To view on-line e-Tag limited warranty claim credits, log onto the ISG Central website at http://www.isgcentral.cusa.canon.com and select Canon Network Access (CNA) as shown below.

**Figure 14 – ISG Central**



On the CNA website select Warranty Credit Inquiry then select e-Tag Warranty Claims Reimbursement to perform an e-Tag Warranty claims search as shown in the following screen shots.

**Figure 15 – CNA: Warranty Credit Inquiry**
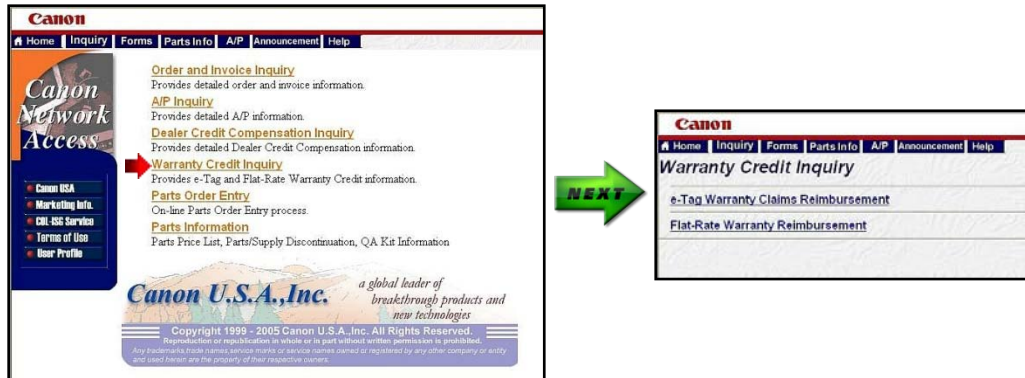
**Figure 16 – CNA: e-Tag Warranty Claims Search**



To check the status of e-Tag Limited Warranty Claims already submitted:

Go to the e-Tag "Claim Selection Menu" scroll down until you see the "e-Tag Claim Status Table" as shown at the bottom of the screen shot in Figure 16 – CNA: e-Tag Warranty Claims Search. This table allows you to check the status of your claims. To view the details of the e-Tag limited warranty claim form, highlight the claim ID number and click on the Display Details button.

Note: e-Tag limited warranty claims are connected to the e-Support ID number of the individual who entered the claim data. Therefore, it is highly recommended that only one individual enter and manage the e-Tag limited warranty claims from your dealership.

### b) Flat-Rate Inquiry:

To view on-line Flat-Rate Warranty Reimbursements, log onto the ISG Central website at http://www.isgcentral.cusa.canon.com and select Canon Network Access (CNA) as shown in Figure 17.

**Figure 17 – ISG Central**



On the CNA website select Warranty Credit Inquiry then select Flat-Rate Warranty Reimbursement to perform a search as shown in the following screen shots.
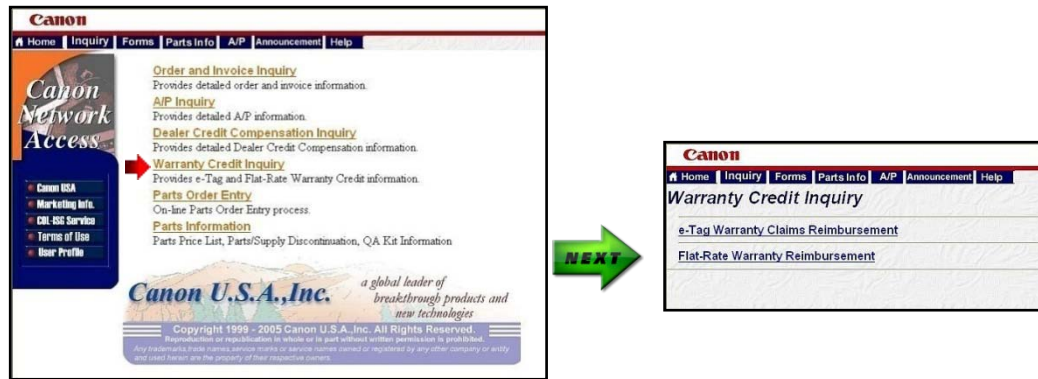
**Figure 18 – CNA: Warranty Credit Inquiry**



**Figure 19 – CNA: Flat-Rate Warranty Reimbursement Search**



## D. Service Parts Availability

Service parts ordering will be available 24 hours-a-day, 7 days a week, 365 Days to provide the quickest possible response should the need arise for such parts. Canon USA will provide service parts for the key units, assemblies and consumables to cover the entire machine function, and this is designed to avoid potential machine downtime for the customer. Various shipment options[75] currently offered include:

- Next Flight Out (NFO)
- UPS (Ground, Next Day, Early Am)
- Pickup (Rush, Spot)

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[75] Shipment options are subject to change

## VIII. Product Technical Support Offerings

### A. Dealer Support Requirements

imageRUNNER ADVANCE 8000 Series Technical Training is required to receive technical support for these imageRUNNER ADVANCE products. Refer to the Canon Technical Support Center (TSC) for further details.

In order to ensure that each dealer receives the highest level of support and in turn resolve the end user's problems quickly and accurately, here are several recommendations to maximize your technical support request.

- The dealer support personnel should check technical documentation (Manuals, Tech. Pub's, etc.) and the e-Support website (24 hours a day, 7 days a week) before calling Canon USA's Technical Support Center (TSC) since your concern may have already been addressed and documented.

- Have your Support ID Number ready when you call the TSC and prepare to be at the location where the engine or application is accessible. This dramatically improves the TSC's ability to help troubleshoot the problem and eliminate the guesswork when answering a specific question. There are many "causes" to various problems, but by being at the location when calling, it takes the speculation out of the troubleshooting process by supplying accurate answers to what the device/application is doing.

- Provide the serial number of the installed engine or application you are troubleshooting. While this is required for access to support, it will also provide the Specialist with information about previous calls for support.

- Be prepared to provide environment specific information and any other site-specific variables.

- Submit and update your profile information such as cell phone number, e-mail address, or company address. To do so, you can logon to e-Support and access the "Current Profile" section to make updates or call Canon USA's TSC. Accurate profile information will allow for quick contact if more information is required from the caller later on.

- At the completion of each call, a ticket number is provided. If the Support Specialist does not provide a number, the caller should ask for it.

- A return call from a dealer technician/systems engineer with a resolution is extremely helpful. The information Canon USA receives from you on what actually resolved the problem is sent to the Support Specialist and enables them to better assist other callers who may have the same problem just addressed.

Making certain that all of our support partners get the highest quality technical support as fast as possible makes everyone more productive and ultimately delivers better results and customer satisfaction.

Following some of these basic guidelines, and working as a team, helps everyone achieve their support goals.

### B. Canon USA Support Offerings

The following support mechanisms were established to deliver high quality, timely technical support services, and product information to imageRUNNER ADVANCE dealerships. These support services cover areas such as system and user software, networking and connectivity issues, electro-mechanical operations, and other hardware servicing.

### 1. Canon USA Technical Support Center

Canon USA provides a time sensitive call escalation process for all authorized imageRUNNER ADVANCE 8000 Series dealers. The TSC is the single point of entry for this process. Once a call is placed to the TSC and information is logged into the call management system, a case number will be assigned to the call. Every effort is made to resolve the problem during the call. Calls that cannot be resolved during the initial call and require escalation need to follow the process below. The status of all escalated cases can be viewed via e-Support or by calling the TSC.

Canon USA's TSC support responsibilities are as follows:

- All technical support for the end-user is provided solely by the contracted servicing dealer.
- The Canon USA TSC will be the central contact/escalation for the reporting of all known outstanding hardware and software issues to Canon USA's engineering and development groups.
- The Canon USA TSC will be available to all authorized dealers, Systems Engineers, and Technicians who have successfully completed the Training Program.
- The TSC will provide technical information regarding all Canon associated hardware and software products.

The TSC will deploy, as required through proper escalation procedures, all on-site Canon USA Digital Solutions Specialist and Systems Engineers.

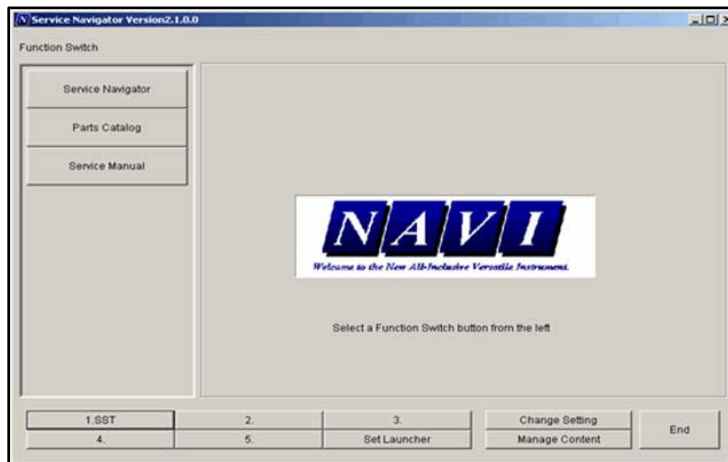**Figure 20 – Canon USA Support Escalation Flow Chart**
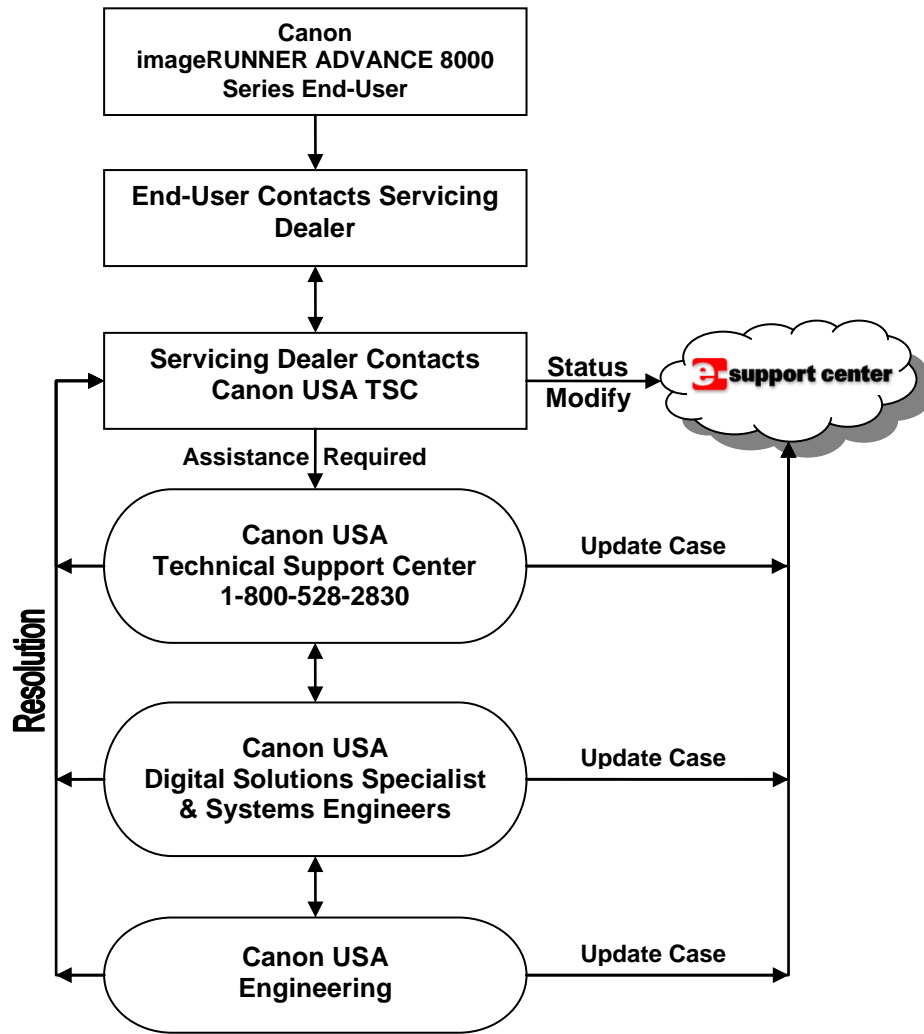
## 2. NAVI

NAVI is a computer-based program (application) designed to function as both an information resource and a diagnostic tool for Canon dealership's technicians equipped with laptops or for dealer in-house help desk environments.

**Figure 21 – NAVI Login Screen**



**Figure 22 – NAVI Screen**



### a) Benefits

This tool is designed to increase the efficiency and productivity of junior Service Technicians up to senior product specialists by:

- Improving time to resolution for the more challenging technical situations faced in the field
- Increasing customer satisfaction by increasing the number of 'first visit' problem resolutions and reducing the number of required 'second visits'
- Reducing chances of incorrect or unnecessary parts usage via the NAVI diagnostic abilities an reference information

- Enabling device 'engine' reporting as an aid to service cost forecasting

## b) Features

The NAVI tool offers the following features/functions to allow the dealership to realize these benefits:

- Detection of copier 'engine' status and researching a knowledge base or 'known problem case data' for a solution to a current copier problem when connected directly to the copier (available for the latest generation of copier engines)
- Searching the knowledge base for a solution to a problem in 'off-line' mode (connection to the copier has not been established) for all copier models supported by the NAVI tool
- Access to model servicing information (work procedures, electro-mechanical component references)
- Link capability to the Canon Technical Documentation offered to dealers for sale on CD-ROM
- Link capability to other Canon Service Tools (Service Support Tool and the PDL Downloader)
- Access to copier Service Mode via the computer running the NAVI application to enable execution of the auto reset feature (a return to initial or default values)
- Adjustable copier engine Error and Jam thresholds for efficient performance monitoring
- Web browser based replacement part lookup
- Copier engine status reporting capability
- Knowledge PAKS (located on the Canon USA e-Support website, see sample screen shot below), provide downloads for offline technical reference documents

**Figure 23 – The Knowledgebase on the Canon e-Support Center**
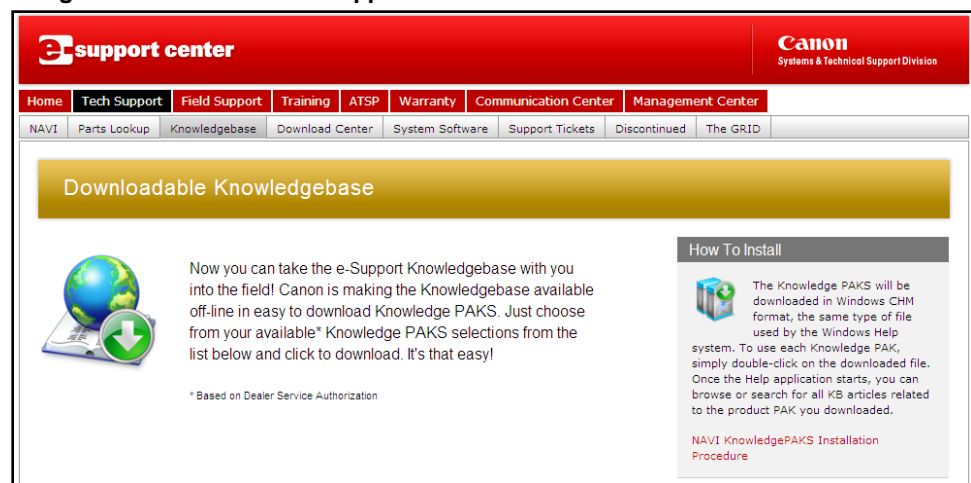
### c) Steps to Getting Started

#### (1) Participate in Training

To come up to speed quickly on the NAVI features and functions, take the NAVI eLearning course on e-Support. Technicians with the computer skills to use the Service Support Tool have the appropriate background to use of NAVI. This interactive course offers guided simulations that step them through accessing and using NAVI to service, maintain, and troubleshoot Canon devices. Technicians taking the NAVI eLearning course will learn how to make NAVI an integral part of their tool kit. After successful course completion, students will be able to begin using the tool to resolve field issues in a timely manner.

#### (2) Get the NAVI Files

There are two ways to get the files to start using NAVI:

- Download the necessary files free of charge from e-Support. It is recommended that downloading be accomplished via a high-speed Internet connection, as many of the files are large.
- Purchase the NAVI "Catch-Up" CD Set. The "Catch-Up" CD Set contains the basic NAVI program and documentation as well as the model files to add previously introduced models to a computer with NAVI installed.

#### (3) Install NAVI and start using the program. The following are the general installation steps:

- Install the Core NAVI Program and any patches.
- Add Model support as desired.
- Add update Model Case Data.
- If you have previously issued Technical Documentation on CD-ROMs, you can link those files into NAVI.

### d) Moving Forward

Continuous updates to each imageRUNNER ADVANCE model's Update Data pack will be available for download via e-Support free-of-charge.

### e) NAVI Support

For additional NAVI details and information on how to get started with this support tool, please visit the NAVI mini-home page on the Canon USA e-Support website located in the Tech Support tab.

**Figure 24 – NAVI on the Canon e-Support Center**
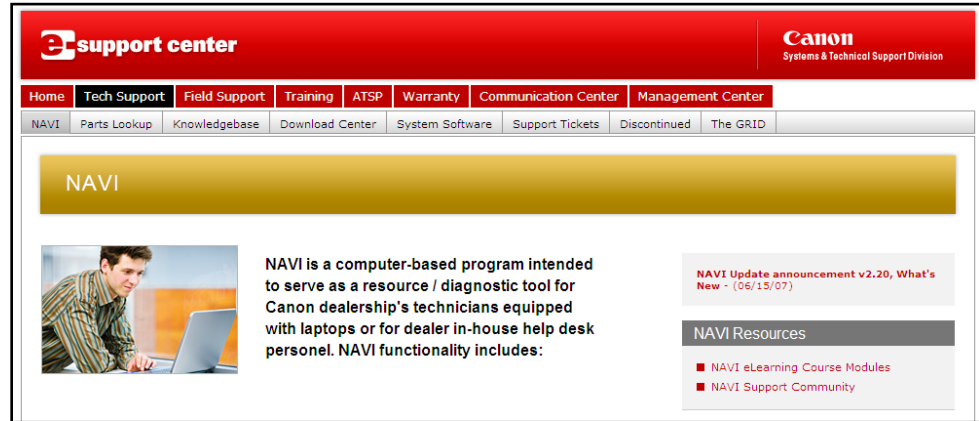


## 3. Internet Support

### a) Canon USA's e-Support Center Website

Canon USA's Systems and Technical Support Division provides high quality e-Support via the Internet and is only available for Canon USA authorized servicing dealers.

Canon USA's e-Support is designed to provide dealer Systems Engineers and Technicians access to technical support information via the Worldwide Web.

The following functions and information can be accessed:

- Proactive notification of new releases, patches, Technical Publications, and other information via e-mail
- Search for Technical Solutions with the Integrated Knowledge Management System through natural language query
- Read or download on-line documentation
- Download patches and their Readme files
- Download Firmware and Software Drivers
- Track and Modify logged Cases
- Review all open Cases

In order to access e-Support, you must first register for a Support ID. To register for a Support ID, go on-line to the Canon USA Systems and Technical Support Division's e-Support Center website at http://www.support.cusa.canon.com. Click on the "Register" button and follow the instructions for registration. This service is available at no additional charge to all authorized dealers.

**Figure 25 – The Canon e-Support Center Login**
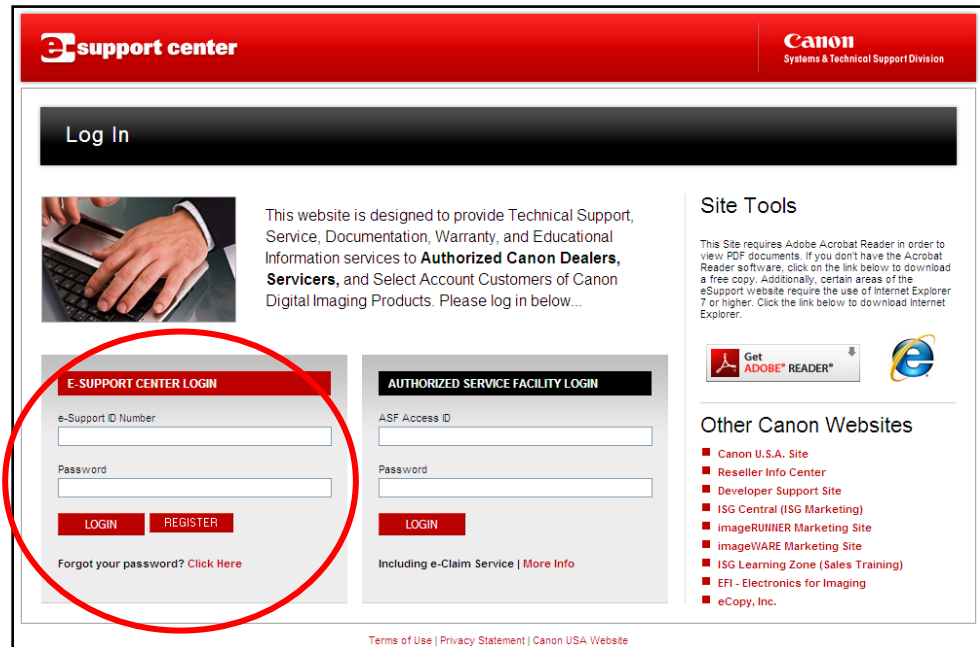


## b) Canon USA ISG Central Website

Complete versions of the Service Guides are available on the Canon USA ISG Central website (http://isgcentral.cusa.canon.com/).

Access is limited to the authorized dealer's Management staff; please contact your dealer administrator to request access to the System and Technical Support Section of ISG Central.

**Figure 26 – The Canon ISG Central Login**
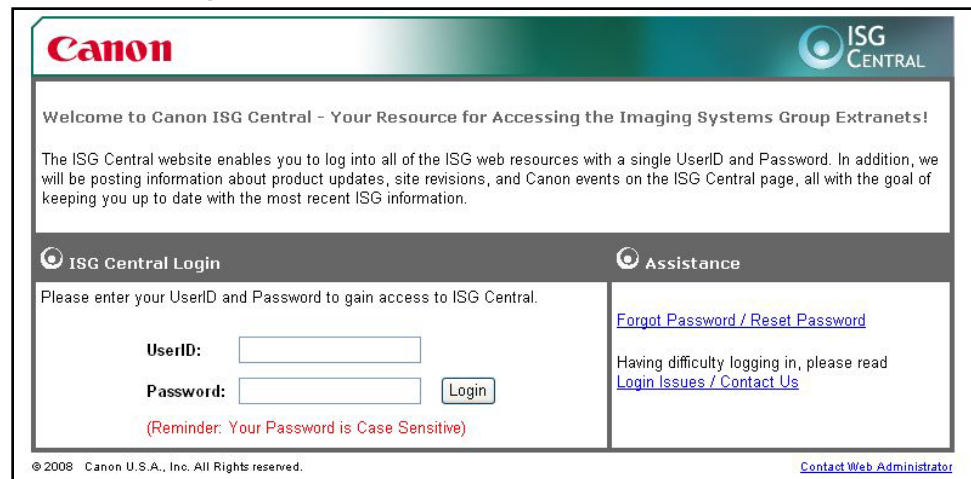


Once the Authorized Dealer's Management staff is logged into ISG Central, access to the Systems & Technical Support section is available by selecting the Systems & Technical Support button. There the authorized dealer's management staff has access to the Service Guides, Program Guides, Software Solutions Guides, Service Support Guides, and Service Revenue/Profit Calculators as shown below.

**Figure 27 – Systems & Technical Support section of ISG Central**
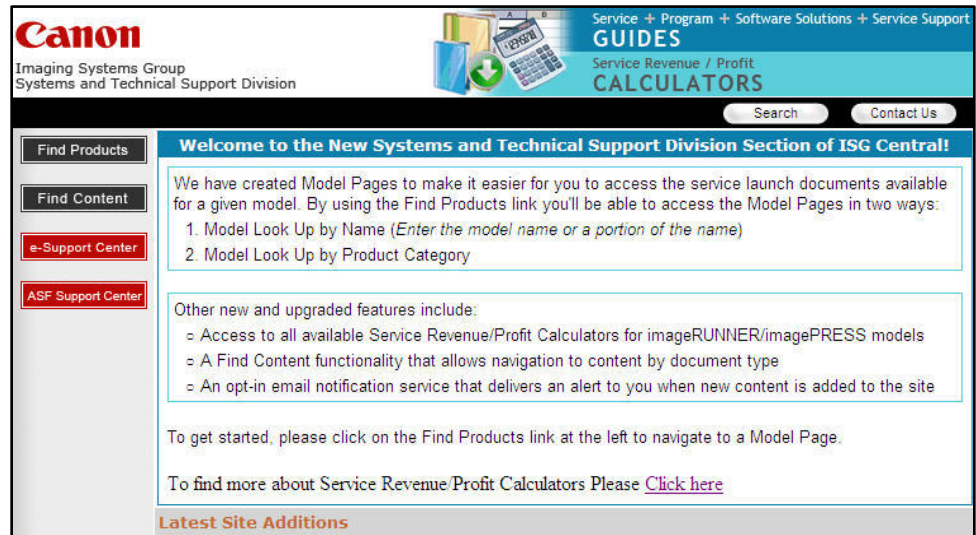
## IX.  Appendix

### A.  Specifications

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

**Table 35 – imageRUNNER ADVANCE 8000 Series Specifications**

| Item | | | imageRUNNER ADVANCE | | |
|---|---|---|---|---|---|
| | | | **8105** | **8095** | **8085** |
| Type | | | Digital Multifunction Imaging System | | |
| Copy Method | | | Laser Dry Electrostatic Transfer | | |
| Developing System | | | Dry Mono Component Toner Projection | | |
| Fixing System | | | New Induction Heating Technology | | |
| Max. Original Size | | | 11" ×17" | | |
| Max. Copy/Print Size | | | 13" × 19 1/4" | | |
| Min. Copy Size | | | 4" x 5 7/8" | | |
| Memory | | | Standard 1.5 GB RAM, Maximum 2 GB RAM | | |
| Hard Disk Drive | | | Standard 80 GB Hard Disk Drive, Maximum 250 GB Hard Disk Drive | | |
| Standard Interfaces | Network | | Ethernet 10/100 Base-TX, Ethernet 1000 Base-TX Wireless LAN (w/Optional Wireless LAN Kit) | | |
| | Others | | USB2.0 ×2 (Host), USB2.0 (Device), USB2.0 ×2 (w/Optional Device Port), SD Card, SDHC Card, Compact Flash, Memory Stick, Microdrive (w/Optional Multimedia Reader/Writer) | | |
| Copy / Print Speed (Letter) | | | Up to 105 ppm | Up to 95 ppm | Up to 85 ppm |
| FCOT () | | | Approximately 2.7 seconds or less | | |
| Warm Up Time (at room temp. of 20℃) | From Power On | | 1 minute or less | | |
| | From Sleep Mode | | 1 minute or less | | |
| | From Energy Saver Mode | | Approx. 20 seconds | | |
| Engine Resolution | | | Up to 1,200×1,200dpi | | |
| Halftone | | | 256 Gradations | | |
| Paper Capacity (20lb Bond (80 g/m$^2$)) | Standard | Paper Drawers | Up to 1,500 sheets x 2 | | |
| | | Paper Cassettes | Up to 550 sheets x 2 | | |
| | | Multi-purpose Tray | Up to 100 sheets | | |
| | Optional | Paper Deck-C1 | Up to 3,500 sheets | | |
| | | POD Deck Lite-A1 | Up to 3,500 sheets | | |
| | Maximum | | Up to 7,700 sheets | | |
| Paper Size | Paper Drawer 1, 2 (Left & Right) | | LTR | | |
| | Paper Cassette 3, 4 (Lower) | | 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"×17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size（5 1/2" x 7 1/8" to 13" x 19 1/4" (139.7 mm x 182 mm to 330.2 mm x 487.7 mm)) | | |
| | Multi-purpose Tray | | 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"×17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size(4" x 5 7/8" to 13" x 19 1/4" (100 mm x 148 mm to 330.2 mm x 487.7 mm)) | | |
| Paper Weight & Type | Paper Drawer 1, 2 (Left & Right) | | 14 lb bond - 80 lb cover (52 g/m$^2$ ∼ 220 g/m$^2$ ) / Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Bond, Letterhead | | |
| | Paper Cassette 3, 4 (Lower) | | 14 lb bond - 80 lb cover (52 g/m$^2$ ∼ 220 g/m$^2$ ) / Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Tab, Bond, Letterhead | | |
| | Multi-purpose Tray | | 14 lb bond - 140 lb Index (52 g/m2 to 256 g/m$^2$ ) / Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Bond, Letterhead | | |
| Duplexing | | | Standard Automatic Trayless Duplexing | | |
| Dimensions (H×W×D) | | | Approximately 49 1/4" x 53 3/8" x 30 3/8" (1,252 mm  x 1,481 mm  x 770 mm)<br>Note: Height to the top of the Upright Control Panel in the standard position<br>Width to the right edge of the Upright Control Panel in the extended position | | |

| Item | | imageRUNNER ADVANCE | | |
|---|---|---|---|---|
| | | **8105** | **8095** | **8085** |
| Weight (Main unit, DADF and Consumables) | | Approximately 534 lb (242kg) | | |
| Installation Space (W×D) | | Approximately 93 3/4"* x 30 3/8" (2,382 mm x 770 mm)<br>(When Booklet Finisher-D1 is attached, and the Multi-purpose Tray and auxiliary tray are extended) | | |
| Power Requirement | | 120V AC / 60Hz / 20A | | |
| Plug | | NEMA 5-20P | | |
| Power Consumption | Maximum | 1.92kW or less | | |
| | Sleep Mode | 1W or less | | |
| | Energy Saver Mode | 240Wh or less (10% is selected) | | |

**Table 36 – Duplex Color Image Reader Unit-C1**

| Item | | Specification | |
|---|---|---|---|
| Original Feeding Mechanism | | Single Pass Duplex Automatic Document Feeder | |
| Original Paper Capacity | | 300 sheets (20 lb bond (80 g/m$^2$)) | |
| Paper Weight of Originals | | 1 – Sided Scanning: B&W or Color Original 13 lb bond to 80 lb cover (50 to 220 g/m$^2$)<br>2 – Sided Scanning: B&W Original: 13 lb bond to 80 lb cover (50 to 220 g/m$^2$)<br>Color Original: 17 lb bond to 80 lb cover (64 to 220 g/m$^2$) | |
| Size of Originals | | 11" x 17", LGL, LTR, LTRR, STMT, STMTR | |
| Acceptable Originals | | Sheet, book, three dimensional objects (up to 4.4 lb (2kg)) | |
| Scan Speed (Letter) | | **Simplex** | **Duplex** |
| | Scan @ 300 dpi | 120 (B&W) / 85 (Color) ipm (300dpi) | 200 (B&W) / 100 (Color) ipm (300dpi) |
| | Copy @ 600 dpi | 120 (B&W) / 51 (Color) ipm (600dpi) | 120 (B&W) / 51 (Color) ipm (600dpi) |
| Resolution for Reading | | up to 600×600dpi | |
| Magnification | | Regular paper size: Same Ratio<br>1:1<br><br>Reduction<br>1:0.78 (LGL ➔ LTR)<br>1:0.73 (11" x 17" ➔ LGL, 11" x 15" ➔ LTR)<br>1:0.64 (11" x 17" ➔ LTR)<br>1:0.50 (11" x 17" ➔ STMT)<br>1:0.25<br><br>Enlargement<br>1:1.21 (LGL ➔11" x 17")<br>1:1.29 (LTR ➔ 11" x 17")<br>1:2.00 (STMT ➔ 11" x 17")<br>1:4.00<br><br>Copy Ratio: 25 to 400% (in 1% increments) | |
| Power Source/ Consumption | | From the main unit: Approximately 180 W | |
| Dimensions (H x W x D) | | Approximately 10" x 25" x 23 7/8" (253 mm x 635 mm x 605 mm) | |
| Weight | | Approximately 86.9 lb (39.4 kg) | |

**Table 37 – Paper Deck Unit-C1**

| Item | Specification |
|---|---|
| Paper Sizes | LTR |
| Paper Weight | 14 lb bond to 80 lb cover (52 to 220 g/m$^2$) |
| Paper Types | Thin, Plain, Heavy, Color, Recycled, Pre-Punched |
| Paper Capacity | Up to 3,500 sheets (20 lb bond (80 g/m$^2$)) |
| Power Requirement | From main unit |
| Maximum Power Consumption | Approximately 44 W |
| Dimensions (H×W×D) | Approximately 22 1/2" x 12 3/4" x 23" (570 mm x 323 mm x 583 mm) |
| Weight | Approximately 81.6 lb (37 kg) |
| Installation Space (W×D) | Approximately 93 3/4" x 31 1/8" (2,382 mm x 789 mm)<br>To the right edge of the Upright Control Panel in the extended position<br>(When the Booklet Finisher-D1 is attached and the auxiliary tray is extended) |

**Table 38 – POD Deck Lite-A1**

| Item | Specification |
|---|---|
| Paper Sizes | 13" x 19", 12" x 18", 11"×17", LGL, LTR, LTRR |
| Paper Weight | 14 lb bond to 140 lb index (52 to 256 g/m$^2$) |
| Paper Types | Thin, Plain, Heavy, Color, Recycled,  Pre-punched, Transparency, Labels, Bond, Letterhead |
| Paper Deck Capacity | Up to 3,500 sheets (20 lb bond (80 g/m2)) |
| Power Requirement | 120-127V AC, 60Hz, 5A |
| Maximum Power Consumption | 288 W |
| Plug | 120V, 60Hz, 15A / NEMA 5-15P |
| Dimensions (H×W×D) | Approximately 22 1/2" x 23 5/8" x 24 1/2" (570 mm x 601 mm x 621 mm) |
| Weight | Approximately 110 lb (50 kg) |
| Installation Space (W×D) | Approximately 93 3/4"* x 31 1/8" (2,382 mm  x 789 mm) <br> *To the right edge of the Upright Control Panel in the extended position <br> (With the Booklet Finisher-D1 is attached and the auxiliary tray is extended) |

**Table 39 – Booklet Finisher-F1 PRO**

| Item | | Specification |
|---|---|---|
| Number of Trays | | 2 |
| Paper Sizes | | 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"×17", LGL, LTR, LTRR, EXEC, STMTR, Custom/Free Size（4" x 7.125" to 13" x 19.25" (100 x 148 mm to 330.2 mm x 487.7 mm)) |
| Paper Weight | | 14 lb bond to 140 lb Index (52 to 256 g/m$^2$) |
| Paper Types | | Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated[77] |
| Paper Capacity | Tray A | LTR, LTRR, STMTR, EXEC: Up to 3,000 sheets (or 16 5/8" (423 mm) in height) <br> 11" x 17",  LGL: Up to 1,500 sheets (or 8 1/2" (216 mm) in height) |
| | Tray B | LTR, LTRR, EXEC: Up to 2,000 sheets (or 11 1/4" (285 mm) in height) <br> 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"×17", LGL: Up to 1,000 sheets (or 5 3/4" (147 mm) in height) |
| Paper Capacity of Staple Mode (20lb Bond) | Tray A | 11" x 17", LGL, LTR, LTRR, EXEC:  Up to 1,000 sheets (5 3/4" (147 mm) in height) |
| | Tray B | LTR, LTRR, EXEC: Up to 2,000 sheets (11 1/4" (285 mm) in height) <br> 11" x 17", LGL: Up to 1,000 sheets (5 3/4" (147 mm) in height) |
| Max. Stapling Capacity | | LTR, EXEC: Up to 100 sheets (20 lb bond (80 g/m$^2$) |
| | | 11" x 17", LGL, LTRR: 50 sheets (20 lb bond (80 g/m$^2$) |
| Type of Staple / Size | | Corner: 11" x 17", LGL, LTR, LTRR, EXEC <br> Double:11" x 17", LGL, LTR, LTRR, EXEC <br> Saddle Stitch: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"×17", LGL, LTRR, and Custom Size (8 1/4" x 11" to 13" x 19 1/4" (210 x 279.3 mm x 330.2 x 487.7mm)) |
| Saddle Stitching | Saddle Stitch Capacity | Up to 25 sheets (20 lb bond (80 g/m$^2$)) (including 1 cover sheet up to 140 lb Index (256 g/m$^2$)) |
| | Saddle Fold | Up to 5 sheets (20 lb bond (80 g/m$^2$)) |
| Power Requirement / Maximum Power Consumption | | 100-240V AC, 60Hz, 8A / 450 W maximum |
| Plug | | 120V, 60Hz, 15A / NEMA 5-15P |
| Dimensions (H×W×D) & Weight | | Approximately 46 1/2" x 31 1/2" x 31 1/4" (1,180 mm x 800 mm x 792 mm) <br> [46 1/2" x 31 1/2" x 41 3/4" (1,180 mm x 800 mm x 1,060 mm) When the auxiliary tray is extended] <br> 392 lb (178 kg) |
| Installation Space (W×D) | | Approximately 100 1/4" x 31 7/8" ( 2,546 mm  x 810 mm ) <br> (When the Multi-purpose Tray and the auxiliary tray are extended) |

**Table 40 – Staple Finisher-D1**

| Item | | Specification |
|---|---|---|
| Number of Trays | | 3 |
| Paper Sizes | | 13" x 19", 12" x 18", 11"×17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (4" x 5 7/8" to 13" x 19 1/4" (100 x 148 mm to 330.2 mm x 487.7 mm)) |
| Paper Weight | | 14 lb bond to 140 lb Index (52 to 256 g/m$^2$)<br>Note: Collating cannot be set for paper less than 16 lb bond (60 g/m$^2$) |
| Paper Types | | Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated[77] |
| Paper Capacity | Tray A | LTR, STMTR, EXEC: Up to 1,500 sheets (or 7 3/4" (195 mm) in height)[76]<br>13" x 19", 12" x 18", 11" x 17", LGL, LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height) |
| | Tray B | LTR, STMTR, EXEC: Up to 250 sheets (or 1 1/4" (32 mm) in height)<br>13" x 19", 12" x 18", 11" x 17", LGL, LTRR: Up to 125 sheets (or 5/8" (16 mm) in height) |
| | Tray C | LTR: Up to 2,500 sheets (or 12 3/4" (325 mm) in height)[76]<br>STMTR, EXEC: 1,250 sheets (or 6 3/8" (162 mm) in height)[76]<br>13" x 19", 12" x 18", 11" x 17", LGL, LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height) |
| Paper Capacity of Staple Mode (20lb Bond) | Tray A / C | LTR, EXEC: Up to 1,500 sheets / 100 sets (7 3/4" or (195 mm) in height)[76]<br>11" x 17", LGL, LTRR : Up to 750 sheets / 50 sets (3 7/8" (97 mm) in height) |
| Max. Stapling Capacity | | LTR, EXEC: Up to 100 sheets (20 lb bond (80 g/m$^2$) |
| | | 11" x 17", LGL, LTRR: 50 sheets (20 lb bond (80 g/m$^2$) |
| Type of Staple / Size | | Corner / 11" x 17", LGL, LTR, LTRR, EXEC<br>Double / 11" x 17", LGL, LTR, LTRR, EXEC |
| Power Requirement / Maximum Power Consumption | | 100-240V AC, 50/60Hz, 2.8A / 224 W maximum |
| Plug | | 120V, 60Hz, 15A / NEMA 5-15P |
| Dimensions (H×W×D) & Weight | | Approximately 41" x 25 3/4" x 30 1/8" (1,040 mm x 654 mm x 765 mm)<br>[41" x 30 3/4" x 30 1/8" (1,040 mm x 782 mm x 765 mm) When the auxiliary tray is extended]<br>134 lb (61 kg) |
| Installation Space (W×D) | | Approximately 89 1/4"* x 30 3/8" ( 2,268 mm  x 789 mm )<br>Installation Space to the right edge of the Upright Control Panel in the extended position (When the Multi-purpose Tray and the auxiliary tray are extended) |

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[76] Up to 1,200 sheets (or 3 7/8" (97mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m$^2$) is selected.

**Table 41 – Booklet Finisher-D1**

| Item | | Specification |
|---|---|---|
| Number of Trays | | 3 |
| Paper Sizes | | 13" x 19", 12" x 18", 11"×17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size（4" x 5 7/8" to 13" x 19 1/4" (100 x 148 mm to 330.2 mm x 487.7 mm)) |
| Paper Weight | | 14 lb bond to 140 lb Index (52 to 256 g/m$^2$)<br>Note: Collating cannot be set for paper less than 16 lb bond (60 g/m$^2$) |
| Paper Types | | Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated[77] |
| Paper Capacity | Tray A | LTR, STMTR, EXEC: Up to 1,500 sheets (or 7 3/4" (195 mm) in height)[76]<br>13" x 19", 12" x 18", 11" x 17", LGL, LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height) |
| | Tray B | LTR, STMTR, EXEC: Up to 250 sheets (or 1 1/4" (32 mm) in height)<br>13" x 19", 12" x 18", 11" x 17", LGL, LTRR: Up to 125 sheets (or 5/8" (16 mm) in height) |
| | Tray C | LTR: Up to 2,500 sheets (or 12 3/4" (325 mm) in height)[76]<br>STMTR, EXEC: Up to 1,250 sheets (or 6 3/8" (162 mm) in height)[76]<br>13" x 19", 12" x 18", 11" x 17", LGL, LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height) |
| Paper Capacity of Staple Mode (20lb Bond) | Tray A / C | LTR, EXEC: Up to 1,500 sheets / 100 sets (7 3/4" or (195 mm) in height)[76]<br>11" x 17", LGL, LTRR : Up to 750 sheets / 50 sets (3 7/8" (97 mm) in height) |
| Max. Stapling Capacity | | LTR, EXEC: Up to 100 sheets (20 lb bond (80 g/m$^2$) |
| | | 11" x 17", LGL, LTRR: Up to 50 sheets (20 lb bond (80 g/m$^2$) |
| Type of Staple / Size | | Corner / 11" x 17", LGL, LTR, LTRR, EXEC<br>Double / 11" x 17", LGL, LTR, LTRR, EXEC<br>Saddle Stitch / 13" x 19", 12" x 18", 11"×17", LGL, LTRR, Custom Size (8 1/3" x 11" to 13" x 19 1/4" (210 x 279.3 mm x 330.2 x 487.7mm) |
| Saddle Stitching | Saddle Stitch Capacity | Up to 20 sheets (including 1 cover sheet up to 140 lb Index (256 g/m$^2$)) |
| | Tray Capacity | Up to 1 to 5 sheets/25 sets<br>Up to 6 to 10 sheets/15 sets<br>Up to 11 to 16 sheets/10 sets<br>Up to 17 to 20 sheets/5 sets |
| | Saddle Fold | Up to 5 sheets (20 lb bond (80 g/m$^2$)) |
| Power Requirement / Maximum Power Consumption | | 100-240V AC, 50/60Hz, 2.8A / 185 W maximum |
| Plug | | 120V, 60Hz, 15A / NEMA 5-15P |
| Dimensions (H×W×D) / Weight | | Approximately 41" x 30 1/4" x 30 1/8" (1,040 mm x 767 mm x 765 mm)<br>Auxiliary tray extended: 41" x 35 1/4" x 30 1/8" (1,040 mm x 896 mm) x 765 mm)<br>238 lb (108 kg) |
| Installation Space (W×D) | | Approximately 93 3/4"* x 30 3/8" ( 2,382 mm  x 789 mm )<br>Installation Space to the right edge of the Upright Control Panel in the extended position<br>(When the Multi-purpose Tray and the auxiliary tray are extended) |

**Table 42 – Document Insertion Unit-K1**

| Item | | Specification |
|---|---|---|
| Paper Sizes | | 13" x 19", 12" x 18", 11"×17", LGL, LTR, LTRR, EXEC, Custom Size (7 1/8" x 7 1/8" to 13" x 19 1/4" (139.7 mm x 182 mm to 330.2 mm x 487.7 mm)) |
| Paper Weight | | 14 lb bond to 140 lb Index (52 to 256 g/m$^2$) |
| Paper Types | | Thin, Plain, Heavy, Color, Recycled, Pre-punched, Tab, Tracing, Coated[77], Bond, Letterhead |
| Number of Trays | | 2 |
| Paper Capacity | Upper Tray | Up to 200 sheets (20 lb bond (80 g/m$^2$)) |
| | Lower Tray | Up to 200 sheets (20 lb bond (80 g/m$^2$)) |
| Power Requirement / Maximum Power Consumption | | 100-240V AC、50/60Hz, 1.0A <br> 104 W |
| Plug | | 120V, 60Hz, 15A / NEMA 5-15P |
| Dimensions (H×W×D) / Weight | | Approximately 55 3/8" x 26 3/8" x 31 1/4" (1,407 mm x 746 mm x 793 mm) <br> 134 lb ( 61 kg) |
| Installation Space (W×D) | | Approximately 107 1/4"* x 31 1/8" (2,723 mm  x 789 mm) <br> To the right edge of the Upright Control Panel in the extended position <br> (When the Booklet Finisher-D1 is attached and the Multi-purpose Tray and auxiliary tray are extended) |

**Table 43 – Puncher Unit-BB1**

| Item | Specification |
|---|---|
| Paper Size | 11" x 17", LGL, LTR, LTRR, or EXEC |
| Paper Weight | 14 lb bond to 73 lb cover (52 to 200 g/m$^2$) |
| Paper Type | Thin, Plain, Heavy, Recycled, Color, Bond Paper, Tab Paper, Coated, Texture Paper, Vellum |
| Punch Hole Quantity, Hole Diameter | Two Holes: 1/4" (6.5 mm) <br> Three Holes: 3/8" (8 mm) |
| Distance Between Punch Holes | Two Holes: 2-3/4" (70 mm) <br> Three Holes: 4-1/4" (108 mm) |
| Paper Size in Which Holes Can be Punched | Two Holes: LGL, LTRR <br> Three Holes: 11" x 17", LTR, EXEC |
| Puncher Waste Tray Capacity | When approximately 6,000 sheets of paper have been punched |
| Power Source | From the finisher / Approximately 56 W (When in operation) |
| Dimensions (H x W x D) | Inside the finisher approximately 5.2" x 3.125" x 25.875" (131 mm x 78 mm x 655 mm) |
| Weight | Approximately 6.6 lbs. (3kg) |

**Table 44 – Puncher Unit-BF1**

| Item | | Specification |
|---|---|---|
| Paper Sizes | | 11"×17", LGL, LTR, LTRR |
| Paper Weight / Paper Type | | 14 lb bond to 140 lb index (52 to 256 g/m$^2$) / Thin, Plain, Heavy, Color, Recycled, Tab, Bond, Letterhead, Coated[77] |
| Punch Type | 3 Holes | 11"×17", LTR |
| | 2 Holes | LGL, LTRR |
| Punch Waste Tray Capacity | | Approximately 5,000 sheets ( 20 lb bond (80 g/m$^2$)) |
| Power Requirement / Maximum Power Consumption | | From the finisher / Approximately 56 W (When in operation) |
| Dimensions (H×W×D) / Weight | | Inside the finisher approximately 15 1/2" x 3 3/4" x 15 1/2" (392 mm x 95 mm x 392 mm) / Approximately 8.2 lb (3.7 kg) |

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[77] Coated paper can be loaded from the Document Insertion Unit only.

**Table 45 – Professional Puncher-C1/Professional Puncher Integration Unit-B1**

| Item | | Specification |
|---|---|---|
| Type | | GBC Puncher |
| Paper Sizes | | LTR |
| Paper Weight / Paper Type | | LTR (3-holes、5-holes、Velo Bind 11-holes、Plastic Comb 19-holes、Twin Loop 21-holes /32-holes、Color Coil 44-holes) : 21 lb bond to 80 lb cover (75 to 216 g/m$^2$) / Plain, Heavy, Color, Recycled , Tab, Coated[77] <br> LTR (ProClick 32-holes) :  20 lb bond to 65 lb cover (75 to 176 g/m$^2$) / Plain, Heavy, Color, Recycled , Tab |
| Punch Speed | | At machine rated speed |
| Chip Tray Capacity | | Up to 25,000 sheets |
| Punch Pattern Die Sets (optional) | | Plastic Comb (19-hole) <br> Twin Loop (21/32-hole) <br> Color Coil (44-hole) <br> Velo Bind (11-hole) <br> Loose Leaf (3/5-hole) <br> ProClick (32-hole) |
| Power Requirement / Maximum Power Consumption | Professional Puncher-C1 | From the Professional Puncher Integration Unit-B1 / 300 W maximum |
| | Professional Puncher Integration Unit-B1 | 120-127V AC/5.5A-60Hz / 130 W maximum |
| Plug | Professional Puncher-C1 | N/A attaches to the Professional Puncher Integration Unit-B1 for power |
| | Professional Puncher Integration Unit-B1 | 120V, 60Hz, 15A / NEMA 5-15P |
| Dimensions (H×W×D) / Weight | Professional Puncher-C1 | Approximately 41" x12" x 31 1/4"  (1,040 mm x 305 mm x 792 mm) 176lb ( 80 kg) |
| | Professional Puncher Integration Unit-B1 | Approximately 41" x 9 7/8" x 31 1/4"  (1,040 mm x 250 mm x 792 mm) 88.2lb (40 kg) |

**Table 46 – Paper Folding Unit-H1**

| Item | Specification |
|---|---|
| C-Fold (Paper Size/Weight/Type) | LTRR / 14 lb Bond to 28 lb Bond (52 to 105 g/m$^2$) / Thin, Plain, Coated[77], Color, Recycled, and Bond |
| C-Fold Capacity | 40 sheets |
| Z-Fold (Paper Size/Weight/Type) | 11"x17", LGL, LTRR / 14lb Bond to 28lb Bond (52 to 105 g/m$^2$) / Thin, Plain, Coated[77], Color, Recycled, Bond |
| Z-Fold Capacity (Output to Staple Finisher-D1 or Booklet Finisher-D1) | Tray A / C: Up to 30 sheets (11" x 17") , 10 sheets (LGL, LTRR) <br> Tray B: Up to 10 sheets (11" x 17", LGL, LTRR) |
| Half-Fold (Paper Size/Weight/Type) | LTRR / 14lb Bond to 28lb Bond (52 to 105 g/m$^2$) / Thin, Plain, Coated[77],  Color, Recycled, Bond |
| Half-Fold Capacity (Output to Staple Finisher-D1 or Booklet Finisher-D1) | Tray A/B/C: Up to 10 sheets |
| Accordion Z-Fold (Paper Size/Weight/Type) | LTRR / 14lb Bond to 28lb Bond (52 to 105 g/m$^2$) /   Thin, Plain, Coated[77], Color, Recycled, Bond |
| Accordion Z -fold Capacity | Up to 40 sheets |
| Power Requirement / Maximum Power Consumption | From the finisher / 140 W |
| Dimensions (H×W×D) / Weight | Approximately 46 7/8" x 13 1/4" x 31 1/4" (1,190 mm x 336 mm x 793 mm) 157 lb (71 kg) |
| Installation Space (W×D) | Approximately 107 1/4" x 32 1/8" (2,723 mm  x 817 mm) <br> To the right edge of the Upright Control Panel in the extended position <br> (When the Booklet Finisher-D1 is attached and the Multi-purpose Tray and auxiliary tray are extended) |

**Table 47 – Booklet Trimmer-D1**

| Item | Specification |
|---|---|
| Description | Upper knife reciprocating, fore-edge trimmer with delivery tray |
| Trim Amount | 0.08" to 0.78" (2 mm to 20 mm) |
| Maximum Number of Sheets | Approximately 100 sheets (20 lb bond (80 g/m$^2$))<br>Approximately 98 sheets (20 lb bond (80 g/m$^2$)) + 2 sheets (110 lb cover (300 g/m$^2$)) |
| Delivery Tray Capacity | Conveyor belt - Approximately 30 booklets<br>(or Approximately 40 sheets of an LTR booklet (20 lb bond (80 g/m$^2$)) |
| Booklet Waste Tray Capacity | Approximately 1,500 sheets of trimmed strips (LTR (20 lb bond (80 g/m$^2$), trim width 0.78" (20 mm)) |
| Acceptable Paper Sizes | 13" x 19.2", 12" x 18", 12 5/8" x 17 3/4", 11" x 17", LGL, LTRR |
| Acceptable Paper Weights | 14 lb bond to 110 lb cover (52 to 300 g/m$^2$) |
| Power Source/Maximum Power Consumption | From the finisher 300 W maximum |
| Dimensions (H x W x D) | Approximately 41" x 62" x 30 3/8" (1,040 mm x 1,575 mm x 770 mm)<br>(including conveyor belt and delivery tray) |
| Weight | Approximately 335 lbs. (152 kg) |

**Table 48 – Inner Booklet Trimmer-A1**

| Item | Specification |
|---|---|
| Trimming Method | Face Trim |
| Paper Sizes | 13" x 19", 12" x 18", 11"×17", LGL, LTRR, Custom Size（8 1/4" x 11" to 13" x 19 1/4" (210 x 279 mm to 330.2 mm x 487.7 mm)) |
| Paper Weight / Paper Types | 16lb bond to 140 lb Index (60 to 256 g/m$^2$) / Thin , Plain, Heavy, Recycled, Color, Letterhead, Bond, Coated[77] |
| Trimming Width | 1/8" to 3/4" (2 mm to 20 mm) |
| Maximum Number of Sheets Trimmed | Up to 40 sheets |
| Trimmer Booklet Waste Tray Capacity | Approximately 1,500 sheets of trimmed strip (width 3/4" (20 mm), LTR, 20 lb bond (80 g/m$^2$)) |
| Trimmed Booklet Output Capacity | Up to 30 booklets |
| Power Requirement / Maximum Power Consumption | From the finisher / 51 W (When in operation) |
| Dimensions (H×W×D) / Weight | Inside the finisher Approximately (15 7/8" x 9 7/8" x 24 5/8" (403 mm x 251 mm x 625 mm)) / Approximately 70.5 lb (32 kg) |

**Table 49 – Super G3 FAX Board-AF1**

| Item | Specification |
|---|---|
| Applicable Line | Public Switched Telephone Network |
| Number of Connection Lines (Std./Max.) | 1/4 |
| Scan Line Density | Standard: 8 pels (picture elements)/mm x 3.85 line/mm<br>Fine: 8 pels/mm x 7.7 line/mm<br>Super-Fine: 8 pels/mm x 15.4 line/mm<br>Ultra-Fine: 16 pels/mm x 15.4 line/mm |
| Transmission Time | ECM-MMR: Approximately 3.2 seconds<br>G3MR method: Approximately 13 seconds<br>G3MH method: Approximately 13 seconds<br>JBIG: Approximately 2.6 seconds |
| Transmission Speed | Super G3: 33.6 kbps, G3: 14.4 kbps |
| Transmission Type | Super G3, G3 |
| Compression Method | MH, MR, MMR, JBIG |
| Maximum Original Size | 11"x 17" to STMT |
| Receiving Paper Size | 11"x 17" to STMT |
| Memory Capacity | Approximately 8,000 pages |
| Auto Dial Function | Address Book: 1,800 destinations<br>(including destinations stored in one-touch buttons) |
| Options | Super G3 2nd Line Fax Board-AF1 [6],<br>Super G3 3rd/4th Line Fax Board-AE1 [6],<br>Remote Fax Kit-A1 [7] |

**Table 50 – Card Reader-C1**

| Item | Specification |
|---|---|
| Available Cards | Optical |
| Card Readout Method | Optical readout |
| Card Reading Direction | Inserting Direction |
| Store/Replay | Replay |
| Power Source | From the main unit |
| Dimensions (H x W x D) | Approximately 1 1/4" x 3 1/2" x 4" (32 mm x 88 mm x 100 mm) |
| Weight | Approximately 10.4 oz (295 g) |

**Table 51 – Copy Card Reader-F1**

| Item | Specification |
|---|---|
| Available Cards | Magnetic |
| Card Readout Method | Magnetic readout |
| Magnetic Card Reading Direction | Face up |
| Store/Replay | Replay |
| Power Source | From the main unit |
| Dimensions (H x W x D) | Approximately 1 5/8" x 3 1/2" x 3 3/4" (40 mm x 88 mm x 96 mm) |
| Weight | Approximately 6.7 oz (295 g) |

**Table 52 – UFR II**

| Item | Specification |
|---|---|
| Type | Embedded Print Controller |
| CPU | Canon Dual Custom Processor (Shared) |
| Memory | Standard 1.5 GB RAM, Maximum 2 GB RAM |
| Storage | 80GB (Shared) |
| Supported Resolution | Approximately 1,200 dpi ×1,200 dpi, 2,400 dpi Equivalent × 600 dpi |
| Print Drivers | Windows (Windows 2000/XP/Server 2003/Server 2008/Windows Vista/Windows 7), Citrix MetaFrame, Macintosh (OS X 10.3.9 or later), Novell Netware |
| Network Protocol | TCP/IP |
| Interfaces (to LAN) | 10/100/1000Base-T (RJ-45) |

**Table 53 – PCL Printer Kit-AH1**

| Item | Specification |
|---|---|
| Type | Embedded Print Controller |
| CPU | Canon Dual Custom Processor (Shared) |
| Memory | Standard 1.5 GB RAM, Maximum 2 GB RAM |
| Storage | 80 GB (Shared) |
| Supported Resolution | Approximately 1,200 dpi ×1,200 dpi, 2,400 dpi Equivalent × 600 dpi |
| Print Drivers | Windows (Windows 2000/XP/Server 2003/Server 2008/Windows Vista/Windows 7), Citrix MetaFrame, Macintosh (OS X 10.3.9 or later), Novell Netware |
| Network Protocol | TCP/IP |
| Interfaces (to LAN) | 10/100/1000Base-T (RJ-45) |

**Table 54 – PS Printer Kit-AH1**

| Item | Specification |
|---|---|
| Type | Embedded Print Controller |
| CPU | Canon Dual Custom Processor (Shared) |
| Memory | Standard 1.5 GB RAM, Maximum 2 GB RAM |
| Storage | 80 GB (Shared) |
| Supported Resolution | Approximately 1,200 dpi ×1,200 dpi, 2,400 dpi Equivalent × 600 dpi |
| Print Drivers | Windows (Windows 2000/XP/Server 2003/Server 2008/Windows Vista/Windows 7), Citrix MetaFrame, Macintosh (OS X 10.3.9 or later), Novell Netware |
| Network Protocol | TCP/IP |
| Interfaces (to LAN) | 10/100/1000Base-T (RJ-45) |

**Table 55 – imagePASS-U1**

| Item | Specification |
|---|---|
| Type | External Print Controller |
| Connectable Devices | imageRUNNER ADVANCE 8105 / 8095 / 8085 |
| CPU | Intel Core Duo T2500 2.0 GHz |
| System | System 8e Release 2 |
| Memory (Std/Max) | 2GB |
| Hard Disk Drive | 80GB SATA |
| Media Type | DVD-RW Drive |
| Supported PDL | Adobe PostScript 3 / PCL5c / PCL5e / PCL6 |
| Internal Fonts | 136 Adobe PS fonts installed |
| Supported Resolution | Approximately 1,200×1,200dpi, 2,400dpi Equivalent×600dpi |
| Print Drivers | Windows (Windows 2000/XP/Server 2003/Server 2008/Windows Vista), Macintosh (OS X 10.3.9 or later) |
| Network Protocol | TCP/IP |
| Interfaces (to LAN) | 10/100/1000Base-T (RJ-45) |
| Network OS | Windows XP Pro |
| Utility Software | Command WorkStation 5, Web Tools |
| Accessories | Paper Catalog Kit, Secure Erase V1.1, Impose v2.7 |

## B. Warranty

### 1. Canon imageRUNNER ADVANCE 8105/8095/8085 Series Limited Warranty

**CANON imageRUNNER ADVANCE 8105/8095/8085 SERIES LIMITED WARRANTY**

Canon U.S.A., Inc. or Canon Canada Inc. (as applicable, "Canon") warrants the imageRUNNER ADVANCE 8105/8095/8085 Series product and Canon brand options designed for use with the imageRUNNER product (collectively the "Product") to be free from defects in workmanship and materials under normal use and service for a period of 90 days after delivery to the original purchaser ("Purchaser") or 600,000 prints or copies (or a combination of both), whichever comes first. During such warranty period, Canon shall replace, without charge, any defective part with a new or comparable rebuilt part. This warranty shall not extend to consumables such as paper, chemicals, and toner as to which there shall be no warranty or replacement. Warranty replacement shall not extend the original warranty period of the Product.

This limited warranty shall only apply if the Product is used in conjunction with compatible computers, peripheral equipment and software. Canon 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 equipment that may be distributed with the Product is sold "AS IS" and without warranty of any kind by Canon, including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Canon brand items is given by the supplier or producer thereof. For further information on software, see below.

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 or environmental conditions prescribed in Canon's operator's manual or other documentation, (c) installation or repair by other than authorized service representatives qualified by Canon who are acting in accordance with Canon's service bulletins, (d) use of supplies or parts (other than those distributed by Canon) 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.

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CONDITIONS OF WARRANTY

Defective parts must be returned to Canon or an Authorized Service Provider with all necessary documentation and will become the property of Canon.

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

## 2. CANON GPR-37/38 DRUM LIMITED WARRANTY

### CANON GPR-37/38 DRUM LIMITED WARRANTY

Canon U.S.A., Inc. and Canon Canada, Inc. (collectively "Canon") warrant the GPR-37/38 Drum incorporated into the imageRUNNER ADVANCE product (the "Product") packaged with this Limited Warranty (the "Drum") to be free from defects in workmanship and materials under normal use and service, other than exterior defects, such as nicks, scratches, or dents, for 30 days after delivery to the original purchaser of the Drum or use of it to make 100,000 prints or copies, whichever comes first (the "Warranty Period"). If the Drum proves to be defective within this Warranty Period, Canon shall, at its sole option, replace it without charge.

Following the expiration of the 30-day Warranty Period and continuing for a period of one-year after delivery to the original purchaser of the Drum or use of it to make a maximum of 2,000,000 prints or copies,(or a combination of both) whichever comes first, Canon shall provide a credit ("Credit") to the original purchaser toward the purchase of a replacement Drum if the Drum fails to operate under normal use and service by reason of any defect in workmanship and materials, other than exterior defects, such as nicks, scratches, or dents. The Credit shall be a percentage of Canon's then current dealer price for the replacement Drum determined as set forth in the example below.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES AND CONDITIONS REGARDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, RELATING TO THE USE OR PERFORMANCE OF THE DRUM. NO OTHER EXPRESS WARRANTY, CONDITION OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THE DRUM SHALL BIND CANON OR ANY AUTHORIZED SERVICE DEALER. NO WARRANTY IS GIVEN ON ANY USED DRUM.

THIS WARRANTY SHALL BE VOID AND OF NO FORCE AND EFFECT IF THE DRUM IS DAMAGED AS A RESULT OF (A) ABUSE, NEGLECT, MISHANDLING, OR ALTERATION OF THE DRUM, A PRODUCT ACCESSORY OR A PRODUCT IN WHICH THE DRUM 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, CANON'S 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 DRUM OR CAUSE ABNORMALLY FREQUENT SERVICE CALLS OR SERVICE PROBLEMS. NOR DOES THIS WARRANTY EXTEND TO ANY DRUM ON WHICH THE ORIGINAL IDENTIFICATION MARKS OR SERIAL NUMBERS HAVE BEEN DEFACED, REMOVED, OR ALTERED.

NEITHER CANON NOR ANY CANON AUTHORIZED SERVICE DEALER SHALL BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE (UNLESS CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY CANON AUTHORIZED SERVICE DEALER), 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 DRUM, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED AND EVEN IF CANON OR ANY AUTHORIZED SERVICE DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON OR ANY CANON AUTHORIZED SERVICE DEALER BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE DRUM 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 DRUM NOT CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY CANON AUTHORIZED SERVICE DEALER. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE DRUM AND STATES SUCH PURCHASER'S EXCLUSIVE REMEDY.

CONDITIONS OF WARRANTY

The defective Drum must be returned to your Canon Authorized Service Dealer, with all necessary documentation (machine log, a sample copy or other documents as required from time to time) to receive the Credit or replacement Drum. Credits will be based on the then current dealer price of the replacement Drum, and will be pro-rated based on the prints or copies made, or a combination of both, as described in the Example of Credit below.

EXAMPLE OF CREDIT

Drum inoperative after: 1,000,000 prints/copies in one-year or less after delivery to original purchaser.
Calculation of the Credit may be illustrated by the following example:

Calculation: $\dfrac{2,000,000 - 1,000,000}{2,000,000} = \dfrac{1,000,000}{2,000,000}$ = 50% of the dealer price of the replacement Drum

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

**Canon**

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## C. List of Tables

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