Canon

ADVANCED TECHNICAL INFORMATION

ATI-SY-066

MODEL: General

SUBJECT: The Page Control Station (PCS Box)

Details:

This ATI provides:

- An overview of operation and basic adjustments
- Details of installation as carried out by Electroversal
- Basic fault finding guide
- Replacement procedure should either the unit or power supply fail.

The page control device is a network based device, which provides Secure printing* and copy control capabilities when used in conjunction with Printer Accounting Server (PAS) software.

When fitted to a Canon Copier/Printer it will provide the customer with the ability to disable copying and / or secure printing* until a numeric password is entered. Alternatively an optional magnetic card can be used by the customer instead.

This will enable the software, PAS to monitor and produce accounting statistics for each user or department connected.

* Requires Secure Document Release Module

Typical Installation

< Basic Adjustments Available >

- IP Configuration
- Screen Contrast
- Test CCB
- Test Keyboard
- Query Version

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To make any adjustments you must first enter *'Management Mode'*

To enter Management Mode:

1. Ensure network and power cable connection is removed.

2. Reconnect power to unit to enable 'boot up' sequence.

3. During boot up you will see a set of asterisks appear on the screen.

4. Press the first soft key underneath the first asterisk on the display. You will be prompted with **'Enter Admin PIN'.**

   The **default PIN is 2468**. Press Enter. If the device has been set up with PAS there is a possibility that this number has been changed by the System Administrator. If it has been, seek help.

   In either event this number must **not** be disclosed to anyone other than the System Administrator.

5. If the Admin PIN is entered successfully you will be provided with five options for adjustment.

   (a) Network configuration (IP automatic or manual).

   (b) Screen contrast.

   (c) Test CCB (enables copying and tests the counter function).

   (d) Test keyboard

   (e) Query version (firmware versions and MAC address).

Navigate through each option by pressing **NEXT,** do not alter any setting unless asked specifically by the administrator.

> **Note**: If Option 'C' is selected normal copying is enabled, this will allow test copies to be made if required

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Electroversal Installation

The PCS box will be fitted in such a position as to safely allow the user to either enter a PIN number on the keyboard or 'swipe' a magnetic card on the reader head.

The positioning of the PCS is predetermined, and depending on model will either be fitted on the right hand side of the machine utilising the operators manual holder, or on top of the machine (space allowing).

The electrical connections comprise the following:

- **10 BT** Ethernet connection to the customers network
- Low voltage power supply input to box
- Signal lead interface with copier
- Internal connection of power supply to mains wiring of host copier

Details:

The Ethernet cable links the unit to the customers network and should never require attention by Canon, this is the customer's responsibility, IP addressing is set at time of installation and is the Network Administrator's responsibility. Any connectivity problems on this cable are purely the customer's responsibility (unless our service contract specifies otherwise).

The low voltage power supply (5v) is pre wired by Electroversal and should not require any maintenance. Should this lead become damaged, a new power supply will be required which will be fitted on site by Canon, (see fault finding for details of how to obtain new unit).

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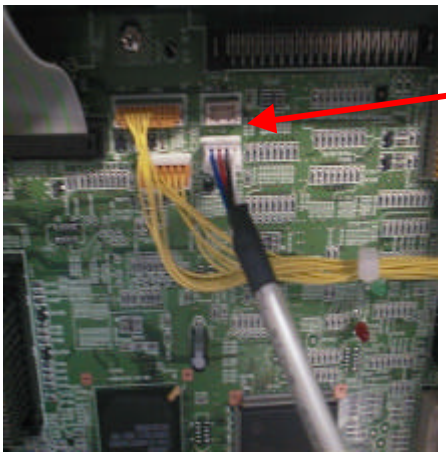
The signal lead interface has been pre wired by Electroversal and should not require any maintenance, should this lead become damaged a new cable will be fitted on site by Canon, (see fault finding for details of cable required).

The Internal connection of the Power Supply to the host copiers mains supply has been carried out by Electroversal. This ensures that the PCS box is only powered up when the copier is switched on. Should a fault develop in this connection, (however unlikely), it is the responsibility of Electroversal to repair or make good, on no account should a Canon technician interfere or try and repair this connection please contact Electroversal.

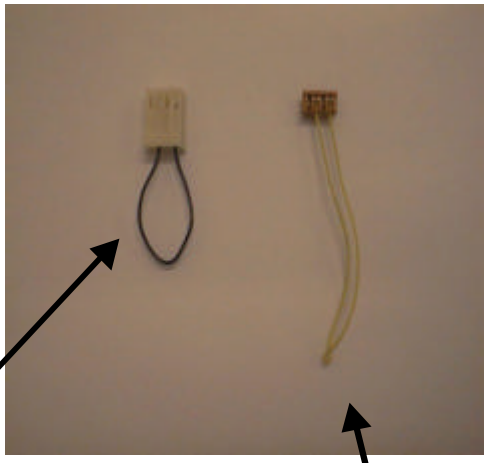
Basic Fault Finding

< Machine >

If it is suspected that the unit is interfering in any way with the host machine, it can be disconnected from either the CCV connector which is standard on most products, including the iR5000 Lite, or if the unit is attached to an iR2800/3300/8500 it must be disconnected from J1060 on the main controller. In either case once this disconnection is undertaken the 'jump' lead/s must be reconnected to either the CCV connector, or main controller in the case of the iR2800/3300.



Connector attachment
on Main Controller



Control Card V/IV type 'jump' connector as used on all NP and iR5000 Lite versions

J1060 'jump' connector as used on iR2200/2800/ 3300 and iR8500 etc.
Part Number FG6-7284

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PCS Box

If the unit fails to power up after power is connected, and 5 volts output from the PSU has been confirmed, the unit will require replacement.
Note: the unit is quite slow to 'boot', please allow at least three minutes for testing.

Once the unit has powered up you can test if it is receiving copy counts by entering 'Management Mode' as previously described, and selecting Option 'C' 'Test CCB'. When copies are produced the unit will receive and display meter clicks, if this does not happen and the cable has been checked for continuity the unit is faulty.

Ethernet connection can be checked by using the 'Ping' command from a PC on the same network.

Replacement Procedure

Should any components fail the following procedure should be followed:

1. Reorder and fit component.

2. Return faulty part/s to:-

   Product Co-ordination at Woodhatch,
   FAO Angela Johnson/Bill Bailey

   PCS Box + Power Supply Part Number 0120V631…

   Cable (for iR2800/8500 etc)…… .0029T58

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