

Welcome To Card Concepts Inc. **X-  
Changer**  
Over View Manual and Parts List

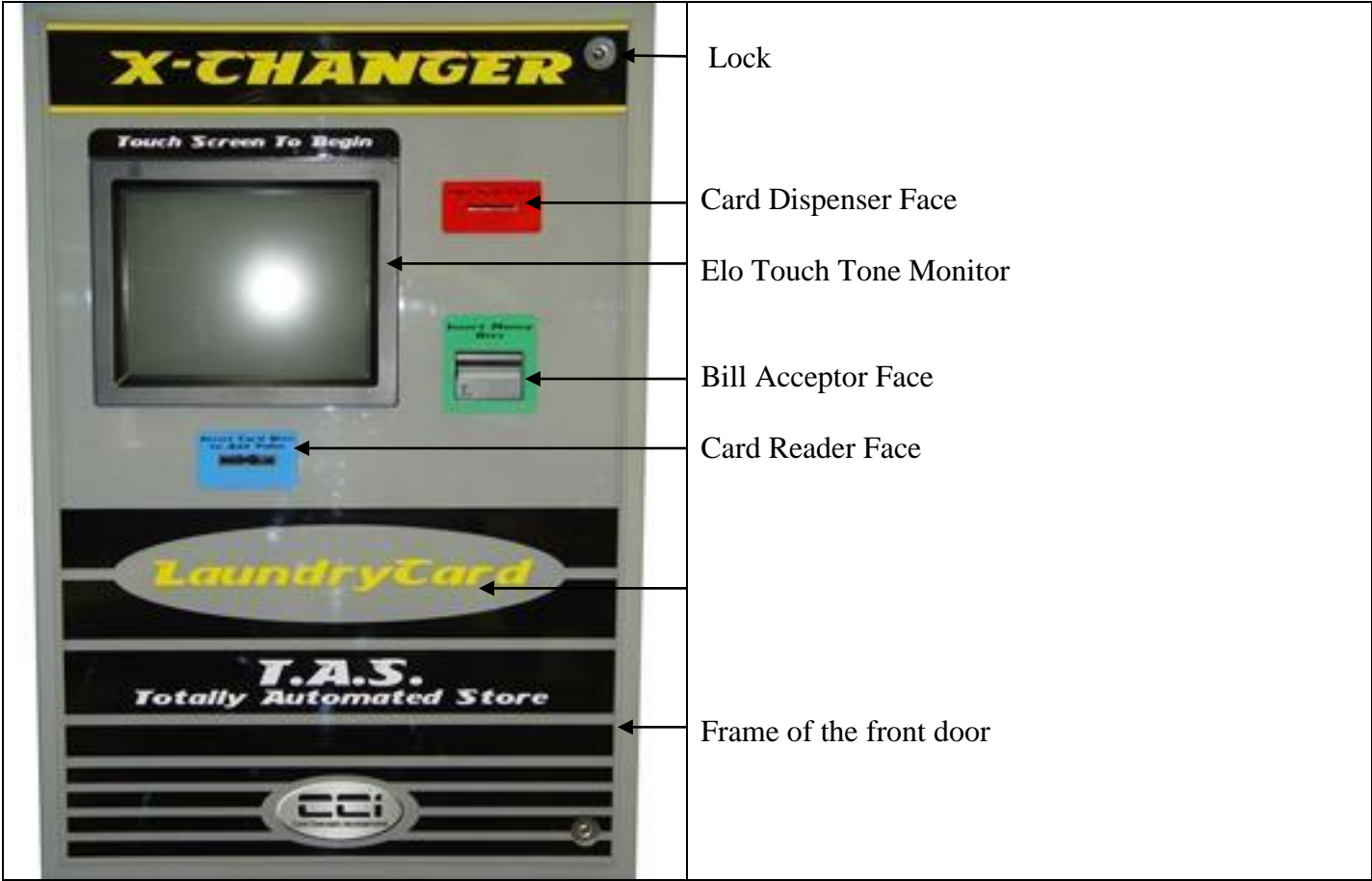


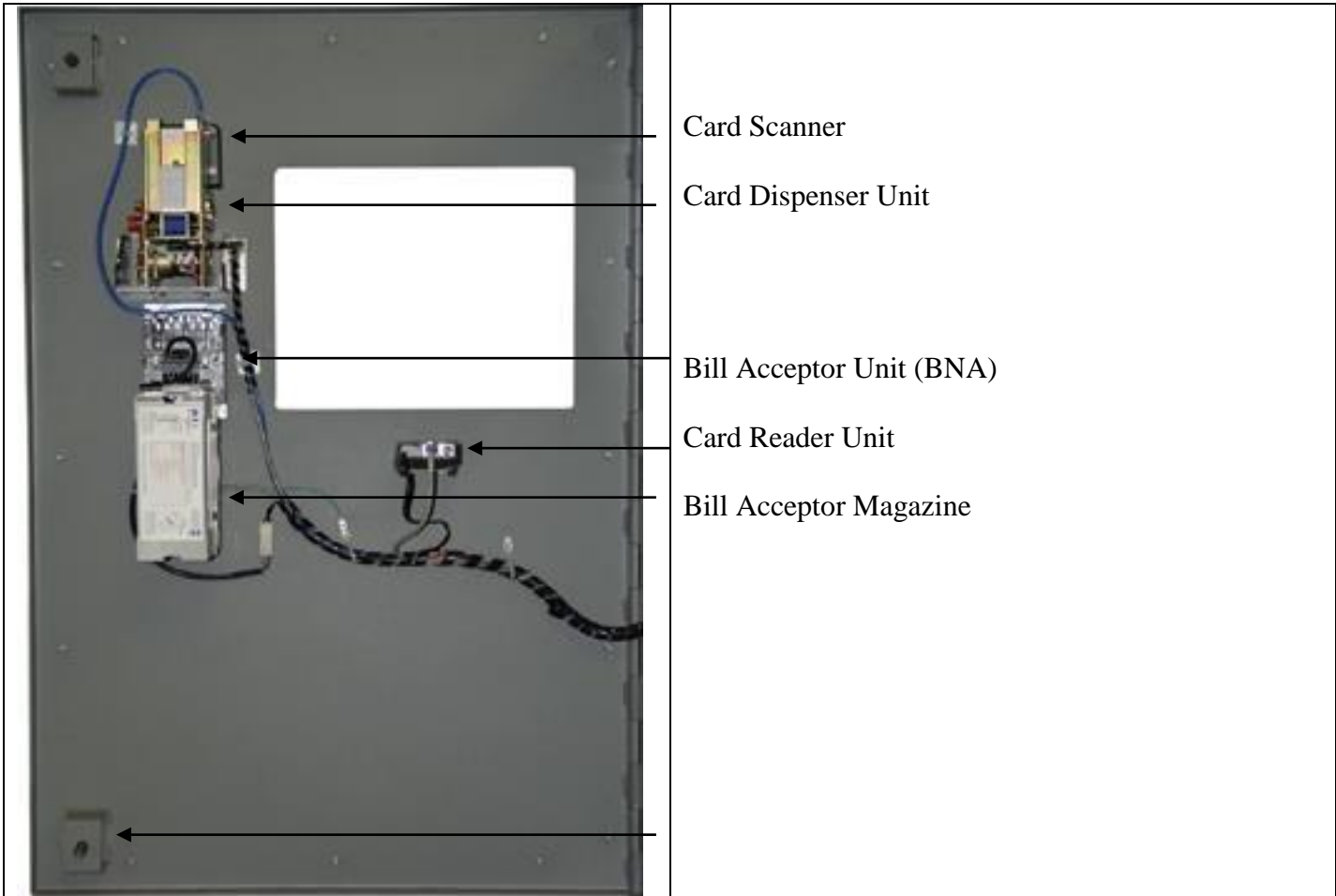
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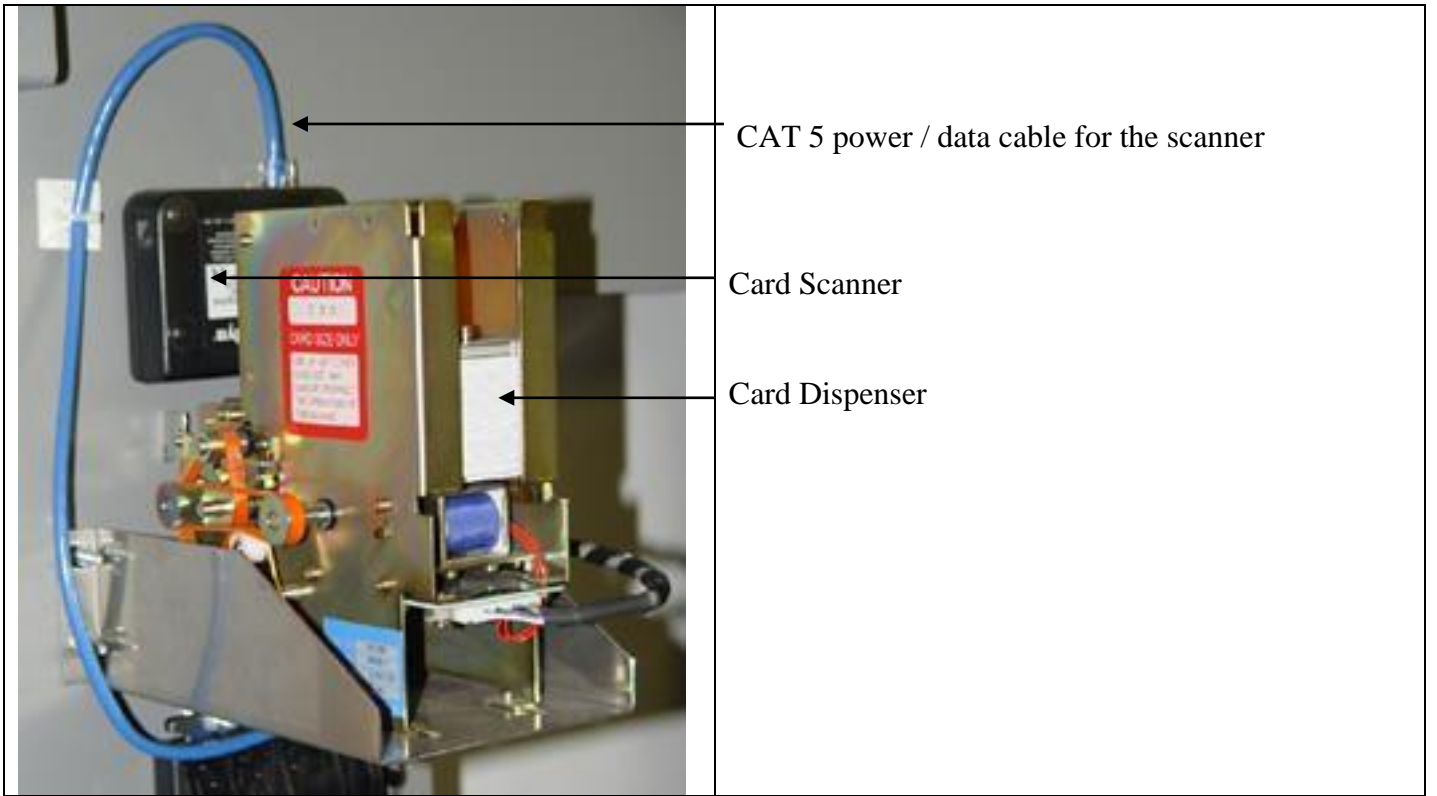
# The X-Changer

## Front door and components





## Card Dispenser Unit

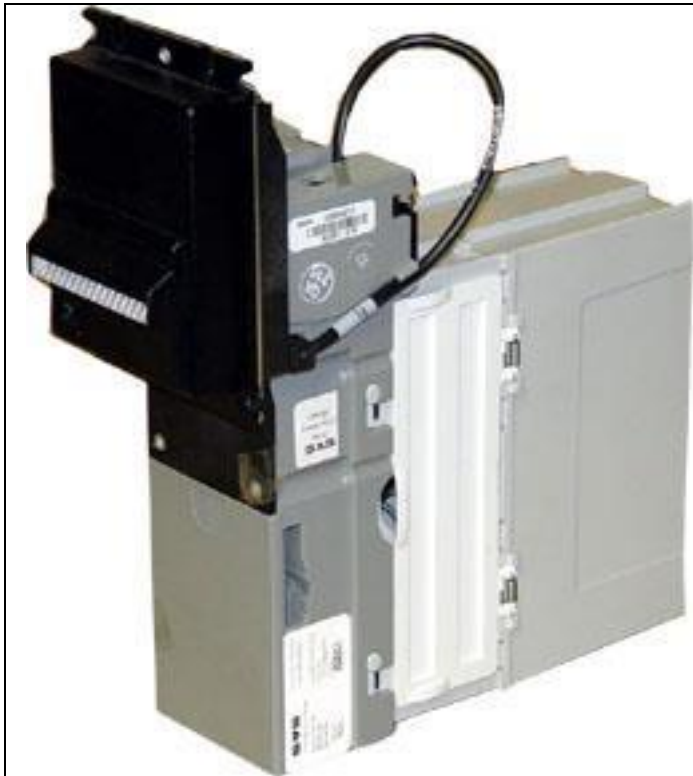


Bill Acceptor Unit (BNA)



Bill Acceptor Unit (BNA)

Power / data cable for the Bill Acceptor



Front view of the Bill Acceptor



Rear view of the Bill Acceptor



This picture shows the Bill Acceptor without the money magazine and also displays how the feeding mechanism can be removed from the unit for maintenance.

Simply push the chrome bar that goes across the unit down, grab the cable and the pcs. it connects to and pull it out.

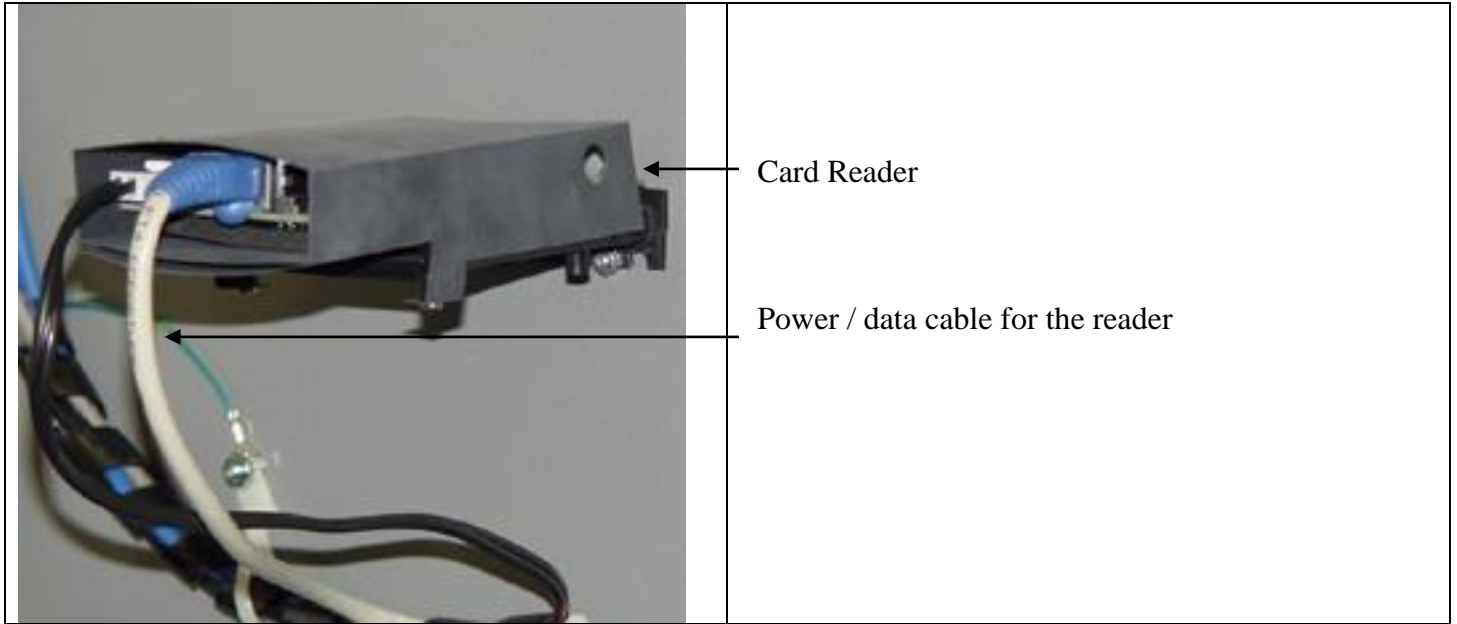
By pulling out this part, it will allow a user to have access to critical part of the acceptor, which should be cleaned on regular bases in order to get maximum performance.



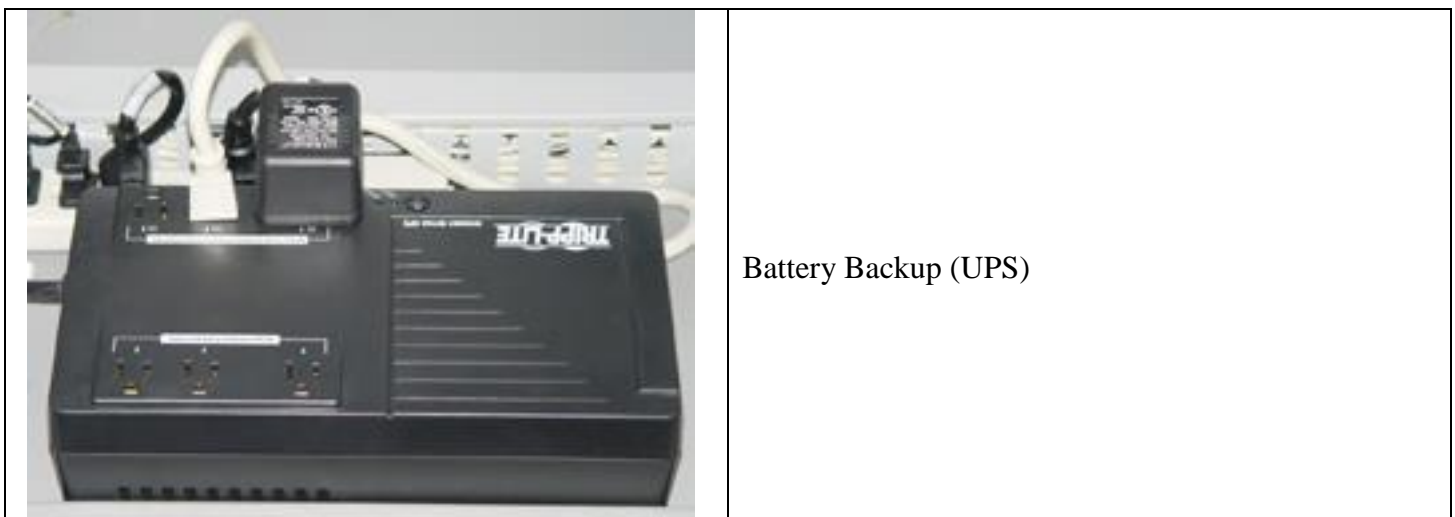
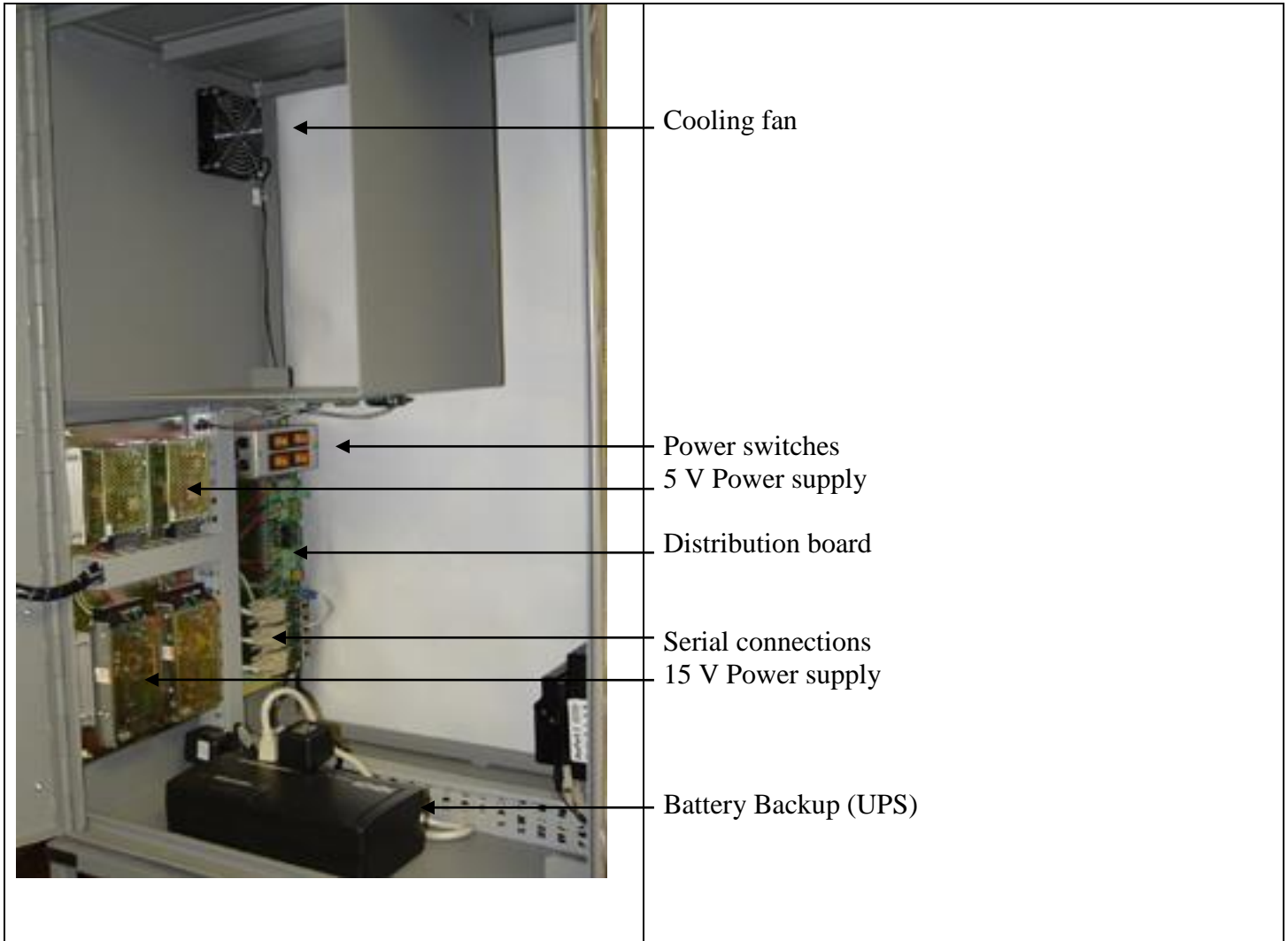


Here is another close up of the unit after the part has been removed. After the unit was serviced, simply take the pcs. attached to the wire and push it back it. Make sure you hear a click.

Card Reader Unit



Inside, left side of the X-Changer





Power switches

Distribution board

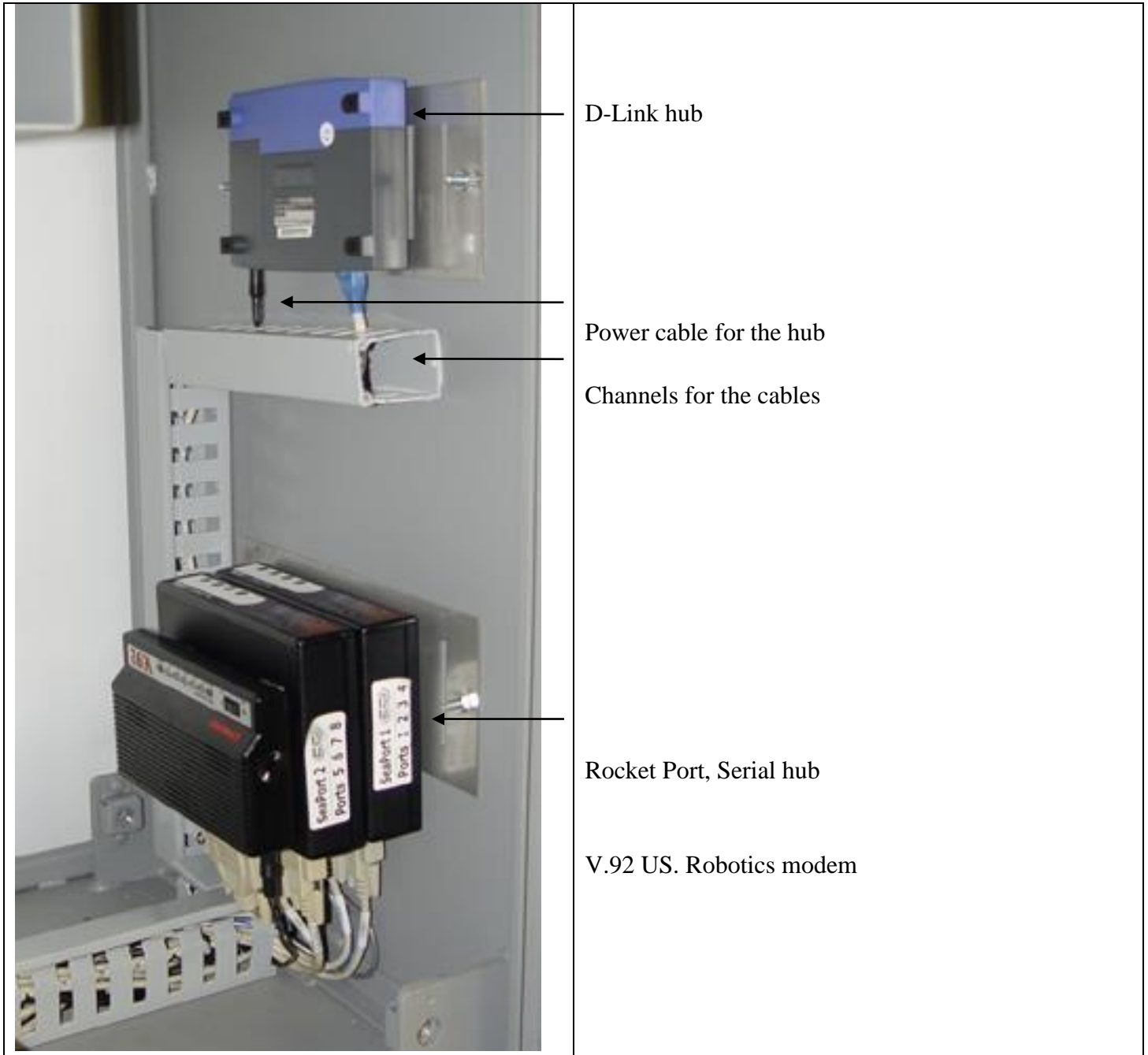
Line terminations

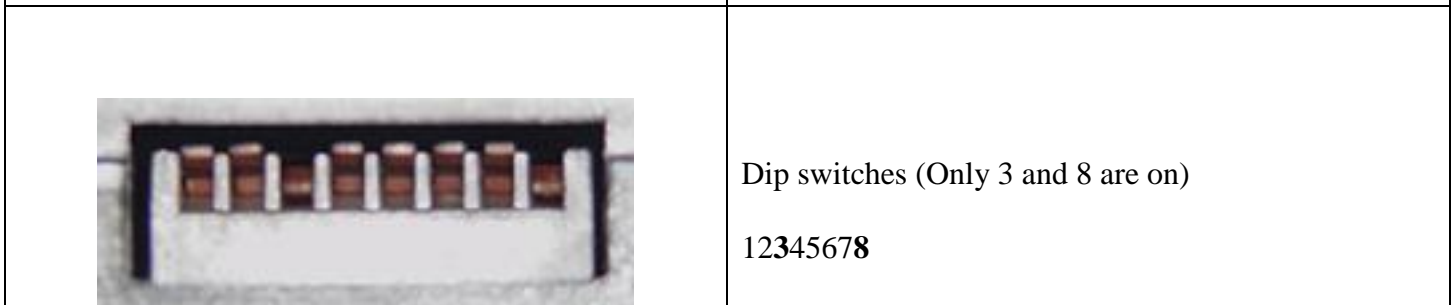
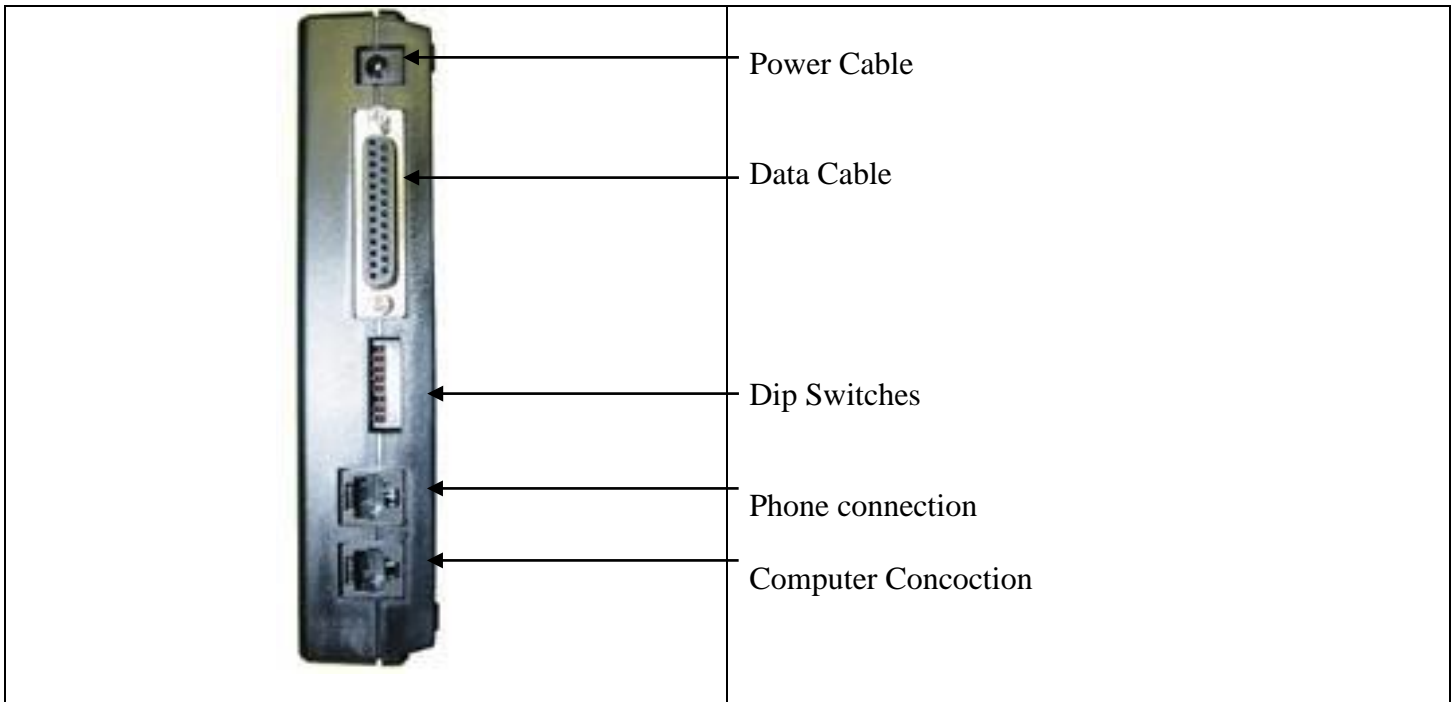
Serial connections  
15 V power supply



Another view of the above components

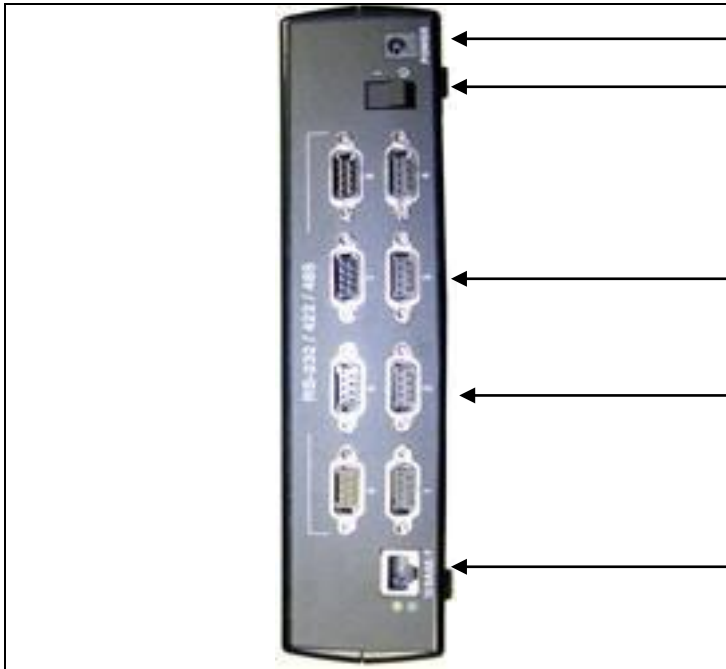
Left side of the X-Changer







Rocket Port, Serial hub



Power connection  
Power On/OFF switch  
Female, 9 pin serial connections  
Female, 9 pin serial connections  
Ethernet connection



Front view of Sea Level 4 port hub



Rear view of the Sea Level port hub



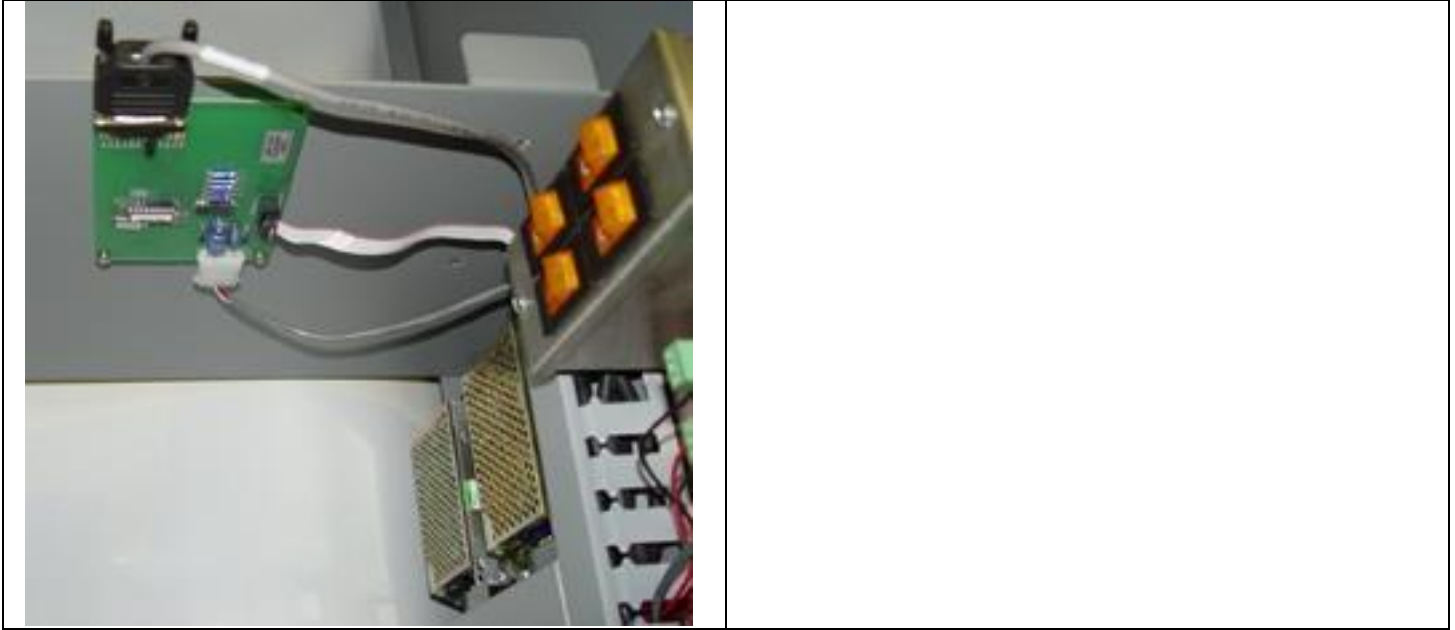


Front view of a 8 port Sea Level serial hub



Rear view of a 8 port Sea Level serial hub

Card dispenser board, located under the monitor

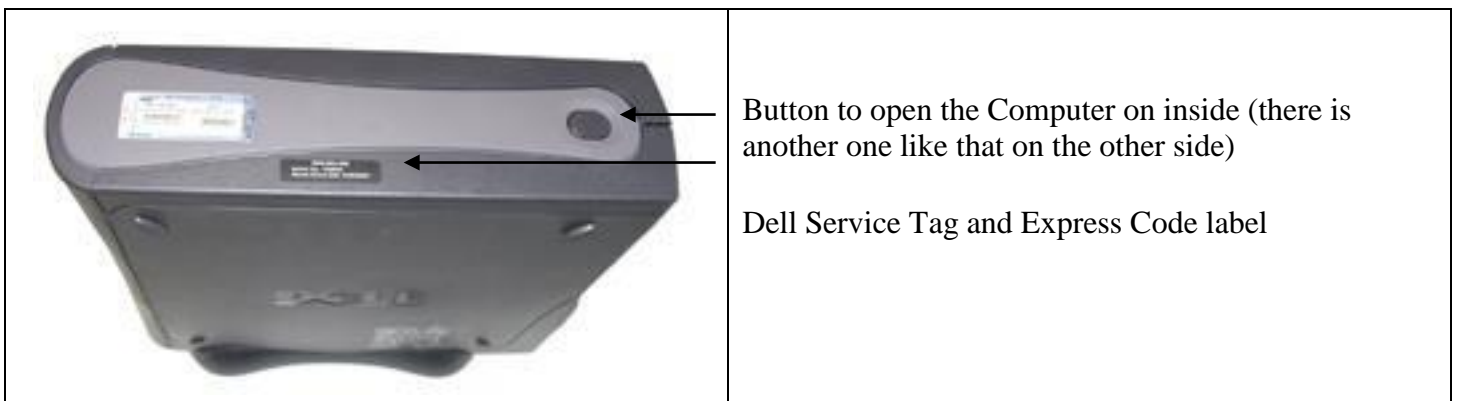


#### Computer

This section provides information about different Dell computer models and the ports layout used by Dell. The Dell models used in the X-Changers are GX150, GX260 and GX270. They all look alike from the front.



Other important details are, Dell Service Tag Number and Express Code, located on the top of the computer.



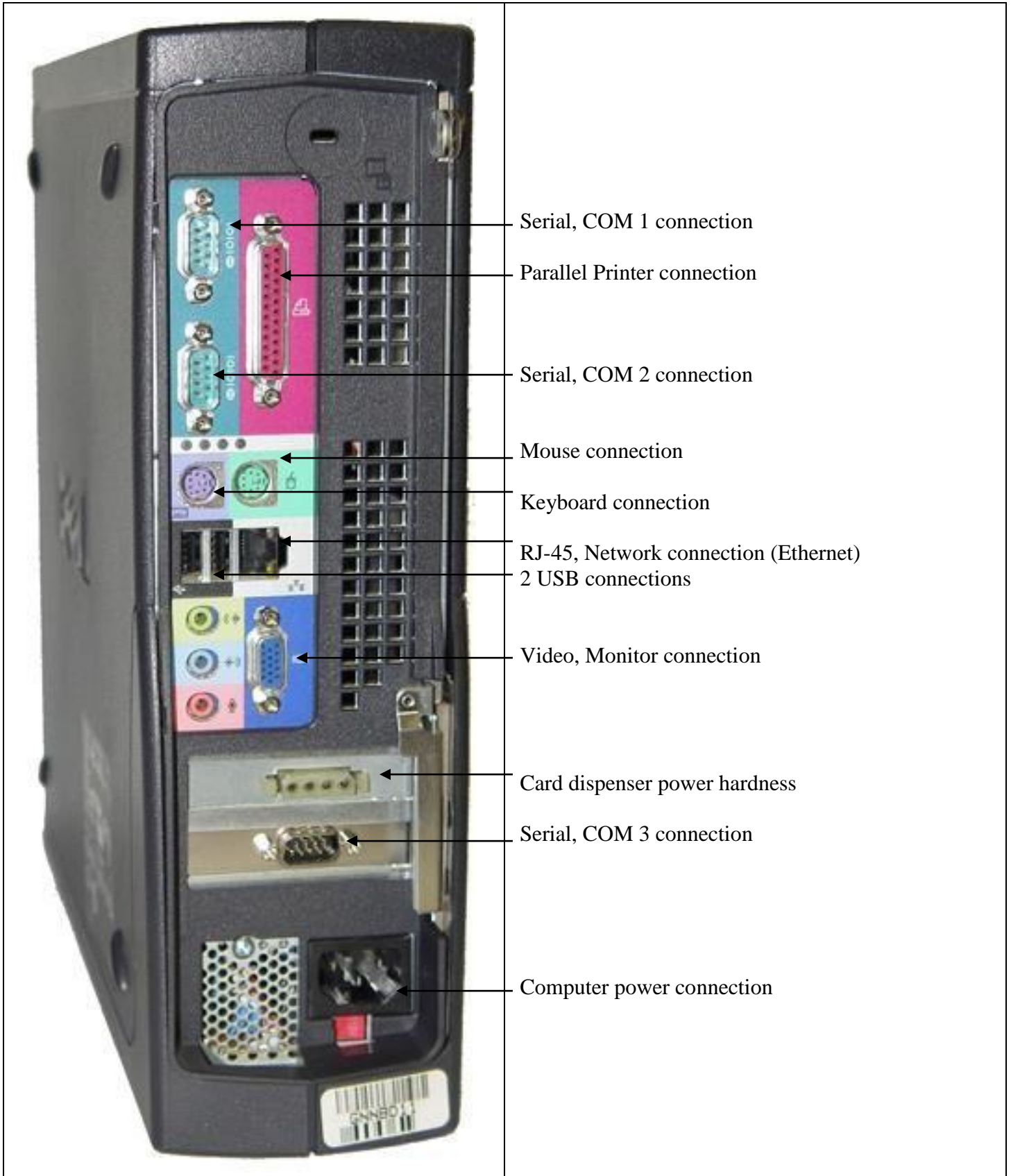
**WWW.DELL.COM**

**Service Tag: H7W2431**

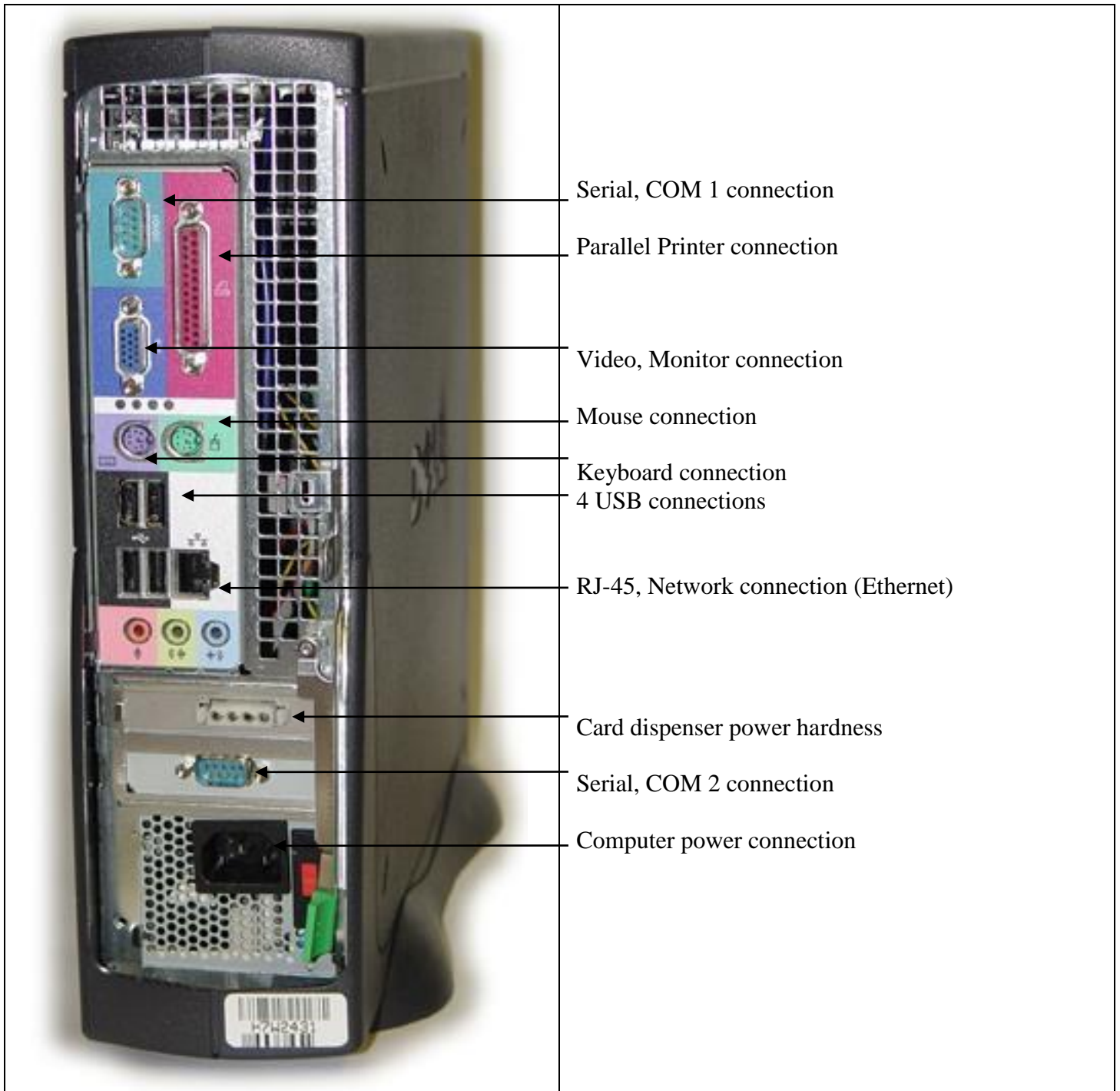
**Express Service Code: 37482409261**

All 3 models of Dell GX150, GX260 and GX270, vary somewhat with the ports layouts on the back.

**GX150**



GX260



Serial, COM 1 connection

Parallel Printer connection

Video, Monitor connection

Mouse connection

Keyboard connection

4 USB connections

RJ-45, Network connection (Ethernet)

Card dispenser power hardness

Serial, COM 2 connection

Computer power connection

## Connectors

Different connectors commonly used with computers and other computing peripherals.

 A black USB Type-A connector with a silver metal shield and a black plastic housing.	<p><b>USB Connector</b> – This end connects to the computer</p>
 A black USB Type-B connector with a silver metal shield and a black plastic housing.	<p><b>USB Connector</b> – This is the other end and this site connects to the device using the USB connection.</p>
 A black power cable with a three-pronged AC power plug.	<p><b>Power Cable</b> – This end connect to the power outlet in the wall.</p>



**Power Cable** – This end connects to the computer.



**RJ 11** – Typical phone connector.

**RJ 45** – Network connector.



**Serial connector** – There are 4 types of serial connectors. 9 pin male, 9-pin female, 15 pin male, and 15-pin female.





**9 pin male**



**9 pin female**



**15 pin male**



**15 pin female**



Front over view of the Brother printer



This is where you find the ink cartage for the printer, all models are the same.



This is the printer ink cartage



This is where you load the paper.



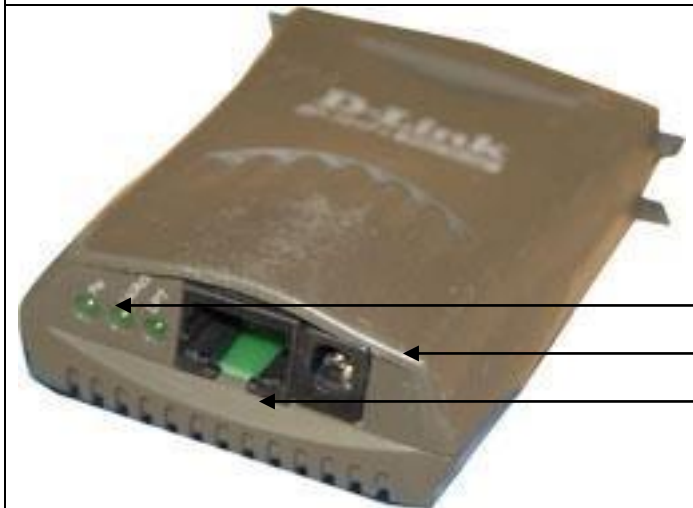
This is the rear view of the printer



This is where you connect D-Link print server on the printer. Right into the parallel connector and then you have to lock it with to lock arms located on each end of the unit.



D-Link, print server front over view



D-Link, print server rear over view.

3 green lights indicating the communication  
Power supply connection  
Ethernet connector

# CCI Parts List



**C-0010**

**Grey Bezel for CR Assy**



**C-0011**

**Neoprene card reader Gasket**



**C-0012**

**Lens for CR Bezel**

	<p><b>C-0013</b></p> <p><b>Neoprene/EPDM/SBR Spacer</b></p>
	<p><b>C-0014</b></p> <p><b>Lens cover graphic</b></p>
	<p><b>C-0015</b></p> <p><b>Reader Cover Graphic</b></p>
	<p><b>C-0016</b></p> <p><b>Card Reader Insulation</b></p>
	<p><b>C-0018</b></p> <p><b>Card reader cover</b></p>



**C-0020**

**1/2 Card Reader Part**



**C-0030**

**Instruction panel-Cont.**



C-0031

Instruction Panel-Dexter



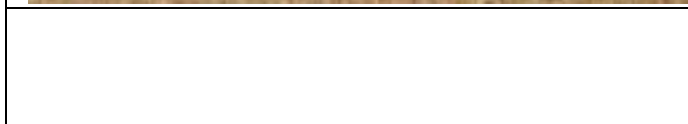
C-0032

ADC Coin Drop Label



C-0033

Alliance Stack Dryer Label



C-0035

Alliance TL Cover Label



	<b>C-0050</b> <b>Personalized Laundry Cards</b>
	<b>C-0080</b> <b>Card Reader Micro.</b>
	<b>C-0090</b> <b>Card Reader Board w/ read head &amp; Display</b>



<b>C-0100</b> <b>Card Reader</b>
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<b>C-0100VC</b> <b>Value Station Card Reader</b>
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**C-0100RR**

**Rep./Reworked Card Reader**

**C-0101**

**Card Reader Assy. - V2**

**C-0101-INV**

**Inverted Card Reader Mod.**

**C-0101RR**

**CARD READER, RECONDITIONED**





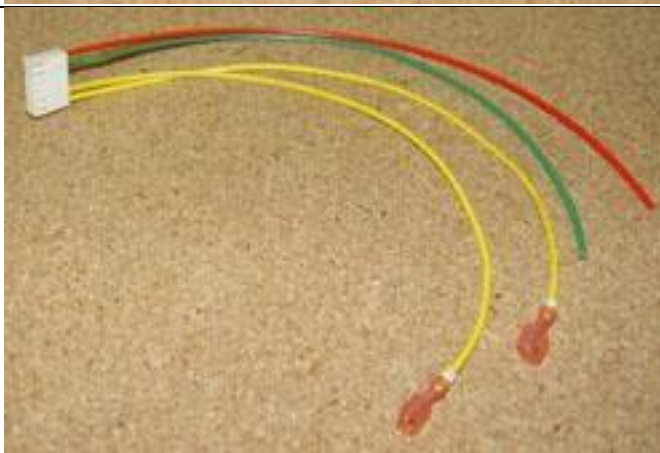
**C-0104**

**MDB Interface Board**



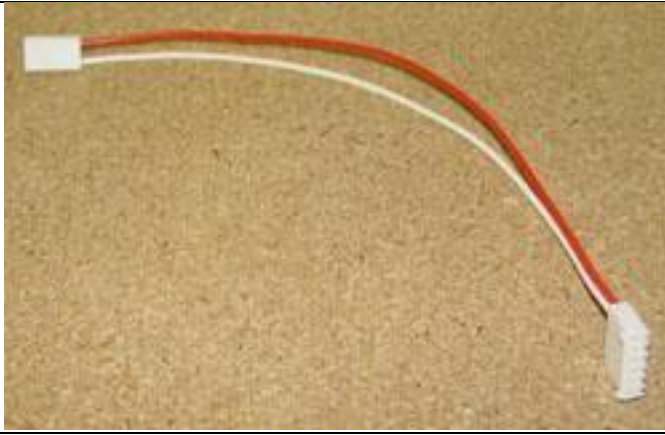
**C-0105**

**Vendrite Roayl200 Harness**



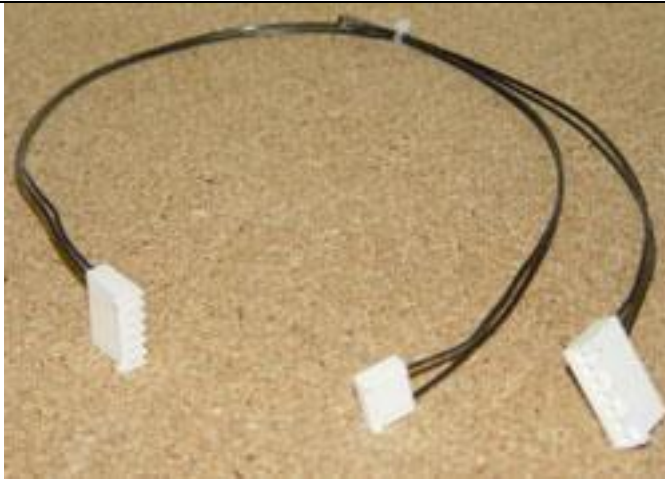
**C-0108**

**Aurora Start Harness**



**C-0109**

**Heubsch FL Micro Harness**



**C-0110**

**Alliance MDC Start Harness**

**C-0111**

**Wasco Emerald6 & TD Harness**



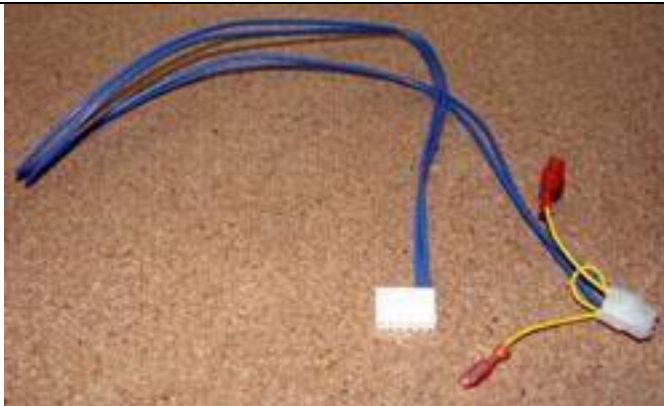
**C-MP01**

**Mouse Pad**



**C-BR01**

**Brochure**



**C-0112R1**

**Alliance EDC Start Harness**



**C-0113**

**2 Wire Harness Cont.**

**C-0114**

**4-Wire Harness**

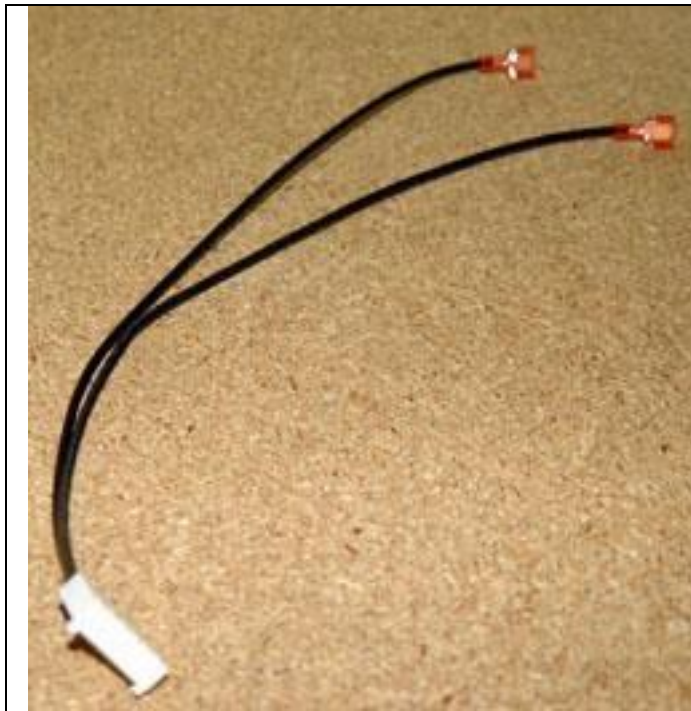


**C-0114R1**

**4 Wire Fused Harness - Cont**

**C-0115**

**4 Wire Harness Wasco**



**C-0116**

**2-Wire Harness**



**C-0116F**

**Whirlpool 2 Wire Fused Harness**



**C-0117**

**Maytag Interface Harness**



**C-0118**

**ADC Interface Harness**



**C-0119R1F**

**Wasco Gen6 Rotary Harness**



**C-0120**

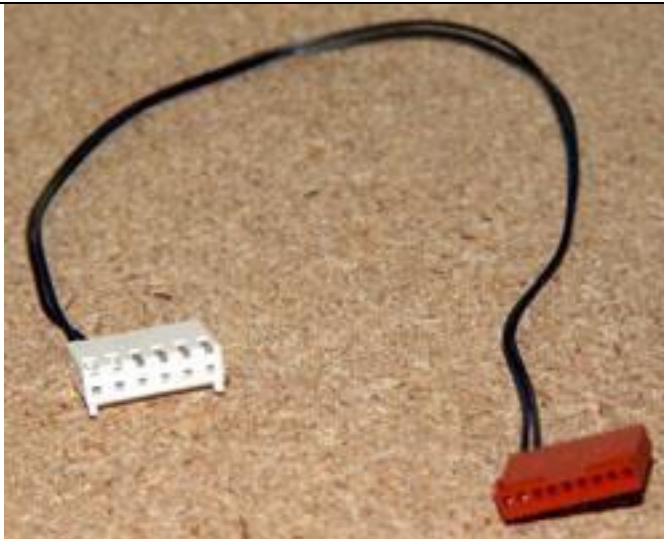
**RJ45 Coupler**

**C-0121**

**P3200 Dbl Ctd PE Foam Tape**


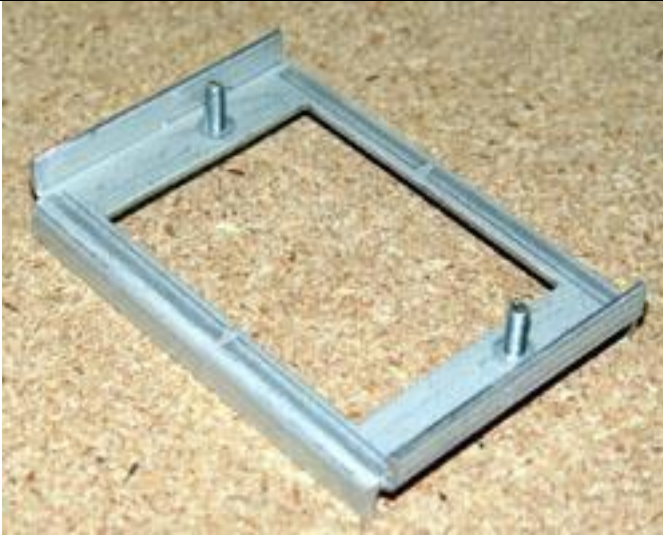




**C-0122**

**Wire Spade Taps**



**C-0123**

**MDB Vend Harness - Single**

	<p><b>C-0124</b></p> <p><b>MDB Output Harness</b></p>
	<p><b>C-0130</b></p> <p><b>Mounting bracket for Sq Box</b></p>
	<p><b>C-0130A</b></p> <p><b>Mounting bracket for Sq Box (Used)</b></p>
	<p><b>C-0131</b></p> <p><b>8-32 x 2 3/4 Hex Stand Off</b></p>
	<p><b>C-0132</b></p> <p><b>8-32 x 2 Standoff</b></p>
	<p><b>C-0133</b></p>



	<b>8-32 x 1-1/2 Stand Off</b>
	<b>C-0134</b> <b>8-32 1" F-F Stand Off</b>
	<b>C-0140</b> <b>Cap Screw 8-32 Thread x 3/4"</b>
	<b>C-0141</b> <b>Cap Screw 8-32 Thread x 1-1/2</b>
	<b>C-0142</b> <b>Cap Screw 10-32 Thread x 1.5"</b>
	<b>C-0143</b> <b>8-32 x 2-1/4 Phillips</b>



**C-0150**



**C-0151**



**C-0174**

**3FT UTP CAT5 Cable**



**C-0175**

**7Ft. UTP Cat5 Cable**



**C-0176**

**10Ft. UTP Cat5 Cable**



**C-0177**

**14Ft. UTP Cat5 Cable**



**C-0178**

**25Ft. UTP Cat5 Cable**



**C-0179**

**50Ft. UTP Cat5 Cable**




**C-0180**

**75Ft. UTP Cat5 Cable**



**C-0181**

**100ft. UTP Cat5 Cable**

	<p><b>C-0301</b></p> <p><b>Topload Mounting Bolt</b></p>
	<p><b>C-0500</b></p> <p><b>Distribution PCB</b></p>
	<p><b>C-0501</b></p> <p><b>Slave Distribution Board</b></p>
	<p><b>C-0503</b></p> <p><b>Aluminum Male-Female</b></p>
	<p><b>C-0505</b></p> <p><b>2 position Terminal Block</b></p>
	<p><b>C-0506</b></p> <p><b>3 Position Terminal Block</b></p>



**C-0510**

**6 Outlet Surge Strip**



C-0520

256mb RAM Upgrade for L



C-0521

256mb RAM Upgrade -150/240



C-0522

256mb RAM Upgrade -GX260





**C-0597**

**GX150 Optiplex Computer**



**C-0598**

**GX240 Optiplex Computer**



**C-0599**

**GX260 Optiplex Computer**



**C-0600**

**GX270 Optiplex Computer**



**C-0600HD**

**GX - Optiplex Hard Drive**



**C-0605**

**US Robotics External Modem**



**C-0606**

**6' Modem Cable 9F-25M**



**C-0607**

**Card Dispenser Interface**



**C-0608**

**CECB1 Board**

	<p><b>C-0609</b></p> <p><b>Special Kit for CECB1 - Mars</b></p>
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	<p><b>C-0610</b></p> <p><b>CECB1 Adapter Cable</b></p>
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	<p><b>C-0611</b></p> <p><b>BNA RS232 Interface Cable</b></p>
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	<p><b>C-0612R1</b></p> <p><b>Card Dispenser Cntl Cable</b></p>
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	<p><b>C-0620</b></p> <p><b>D-Link Ethernet Print Server</b></p>
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	<p><b>C-0622</b></p> <p><b>3Com 10/100 Managed PCI NIC</b></p>
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**C-0625**

**Ethernet HUB**



**C-0650**

**Brother HL-1240 Printer**



**C-0651**

**HL-1440 Brother Laser Printer**



**C-0655**

**Receipt Printer**



**C-0660**

**IEEE Printer Cable 10'**



**C-0700**

**Door Mounting Plate**



**C-0800**

**Door Mounting Plate**



**C-0900**

**Continental Coin Drop Cover**



**C-0902**

**Cont. Aurora Mounting Plate**



**C-0905**

**Dexter STK Dryer Coin Cover**



**C-0907**

**Wascomat TD 3030**

**C-0910**

**Whirlpool TL Cover "Old"**



**C-0911**

**Whirlpool TL Cover "New"**



**C-0912**

**Maytag Metercase Cover**

**C-0915**

**Unimac Coin Drop Cover**

**C-0920**

**Mounting Insert - Wascomat**



**C-0925**

**Insert/Bracket - American330**



**C-0925A**



**C-0925B**



**C-0926**

**Coin Drop Cover - American330**

**C-0927**

**ADC 235 EZ Adapter**

**C-0929**

**ADC Vault Service Lock**

**C-0930**

**Mont Bracket Unimac/American50**





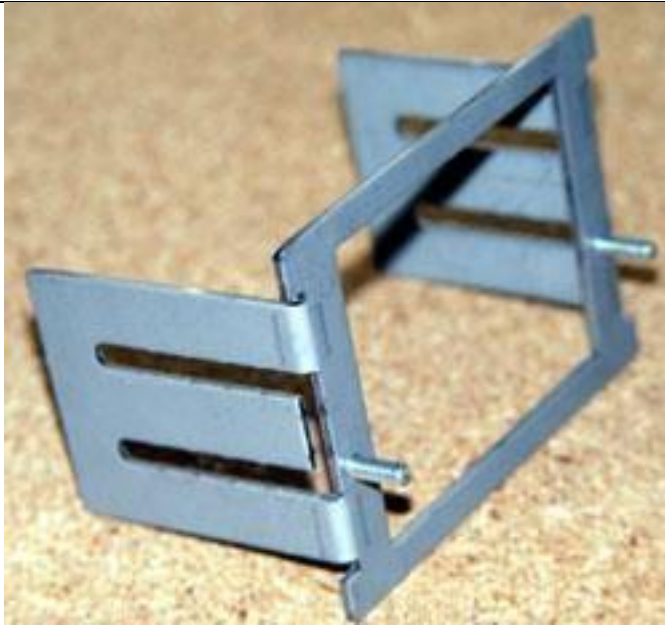
**C-0932**

**Alliance Topload Mount**



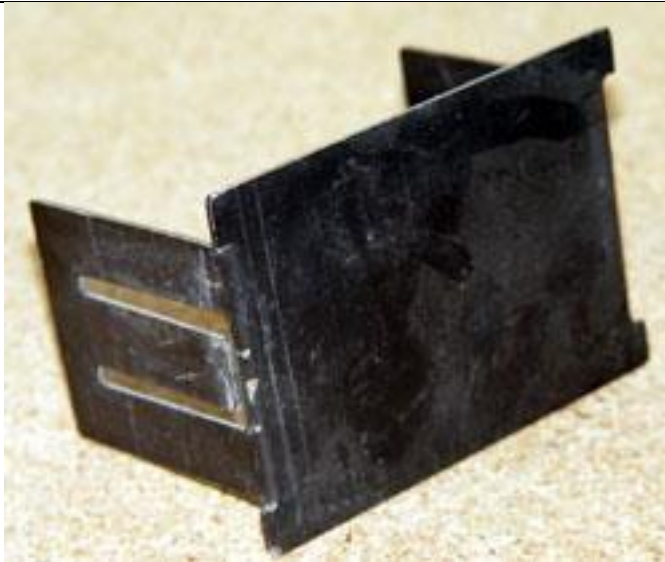
**C-0935**

**Alliance FL Washer Mounting**



**C-0936**

**Alliance Tumbler Mount**



**C-0938**

**C-0940**

**Coin Vault Cover Kit**



**C-0959**

**Optiplex GX260 Computer**



**C-0960**

**Face Plate Ipso**



**C-0961**

**Ipsos Jam ring**



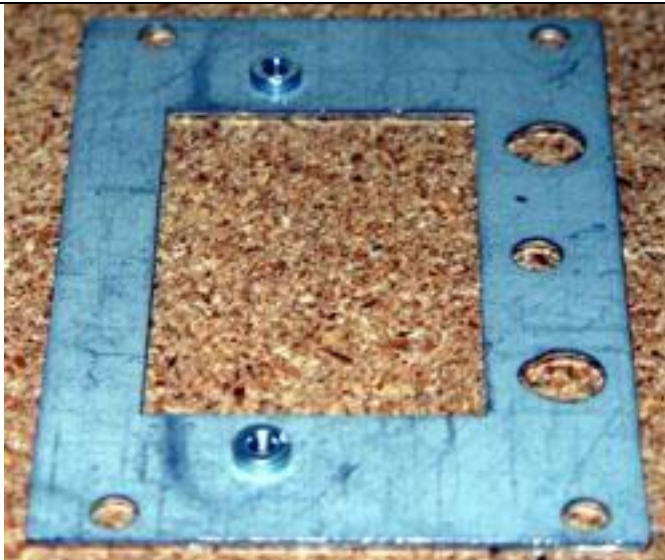
**C-0965**

**TD30-30 Mounting Plate**



**C-0966**

**TD3030 SS Cover Plate**



**C-0970**

**Heubsch Stack Dry - Bracket**

**C-0971**

**Alliance Stack Dry Vault Mount**



**C-0990**

**Galvanized mounting bracket**

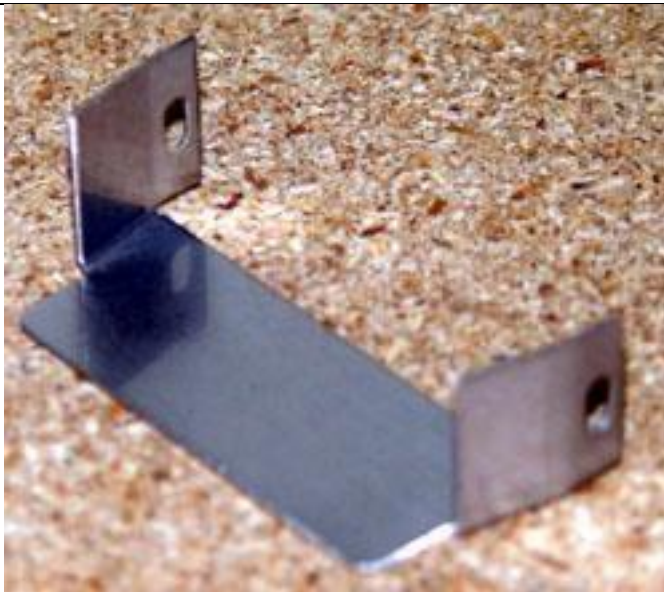


**C-0991**

**Dispenser Card Slide Bracket**

**C-0992**

**Dispenser Card Slide Brkt V2**



**C-0993**

**Dispenser Card Guide - Asahi**

	<p><b>C-0995</b></p> <p><b>Card Dispenser shelf</b></p>
	<p><b>C-0999</b></p> <p><b>8-32 Phil 2" Screw</b></p>
	<p><b>C-1000BILL MEG</b></p>
	<p><b>C-1002</b></p> <p><b>Mars AE2831-D10E BNA</b></p>
	<p><b>C-1002R</b></p>
	<p><b>C-1003</b></p> <p><b>RS232 Series 2000 Cable</b></p>



**C-1004**

**Re-built Mars LE3800**





**C-1005**

**Mars Validator LE3811-DL**

**C-1005R**

**Mars Validator, LE3811**



**C-1006**

**600 Bill Magazine**



**C-1007**

**1000 Bill - NLC. Removable**

**C-1008**

**Upgrade to LE3900 w/ Lockable 600 Bill Cassettes**

**C-1010**

**Welch Allyn 37000 Fixed Mount**



**C-1012**

**6-32 x 1/4 Philips Kep**

	<b>C-1013</b>
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	<b>6-32 Kep Nut</b>
--	---------------------



<b>C-1014</b> <b>6-32 Philips Kep - 3/4"</b>
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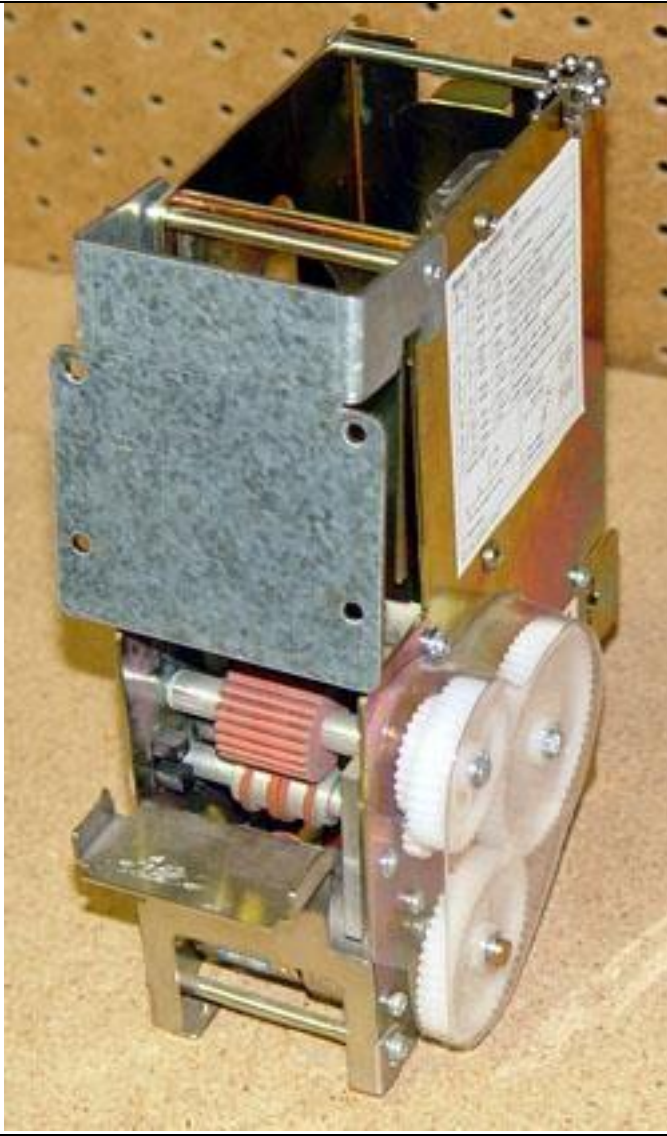
<b>C-1015</b> <b>Special #6 Washer</b>
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<b>C-1018</b> <b>5v - 15v Cross Over Cable</b>
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**C-1020**

**Model 100 12v Card Dispenser**





**C-1025**

**Asahi Seiko Card Dispenser**



**C-1026**

**SIIG Low profile PCI serial**



**C-1027**

**RS-232/422/485 Interface**



**C-1028**

**8 Port SeaPort**



**C-1029**

**Single Port USB to RS232**



**C-1030**

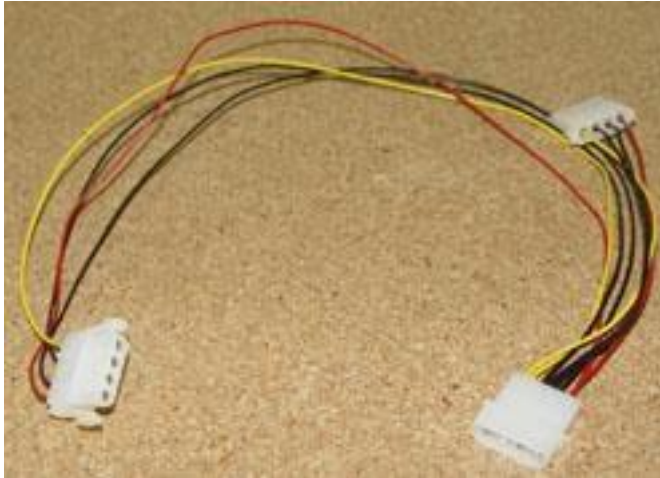
**Rocketport Serial Hub Si8P**





**C-1031**

**4 Port RS-232/422/485**



**C-1032**

**Y-Harness/Disp. Power**



**C-1033**

**Optiplex Power Harness Blank**



**C-1034**

**CD Power Harness**



**C-1035**

**DB9 - RS232 Cables**



**C-1036**

**25' DB15HD M-M Cable**



**C-1036A**

**6' DB15 M-M Xover Cable**



**C-1037**

**BNA Power Cable**



**C-1037R1**



**C-1038**

**Barcode Scanner/Power Cable**



**C-1039**

**XCP Interface Cable**



**C-1039A**

**6' RS232 Cable F-F**

	<p><b>C-1040</b></p> <p><b>APC Back-UPS Pro 420</b></p>
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	<p><b>C-1041</b></p> <p><b>Tripp-Lite Internet Off. 500</b></p>
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	<p><b>C-1042</b></p> <p><b>8-32 Kep Nut</b></p>
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**C-1042N**



**C-1043**

**8-32 Flat Head, Philips 1-3/4**

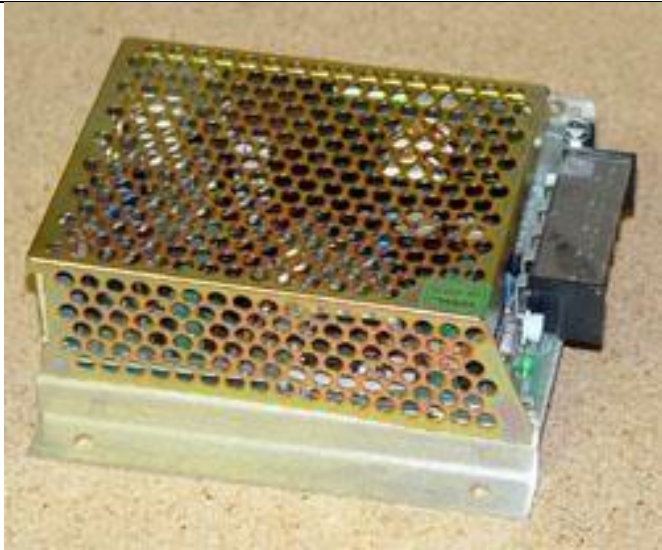


**C-1044**

**M3 x 8mm Philips Hd Screw**

**C-1044N**

**M3 Kep Nut**



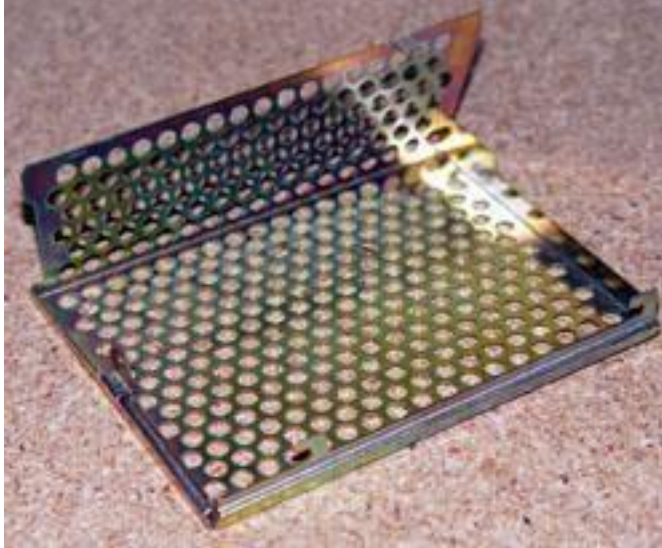
**C-1045**

**5v 10a Power Supply**



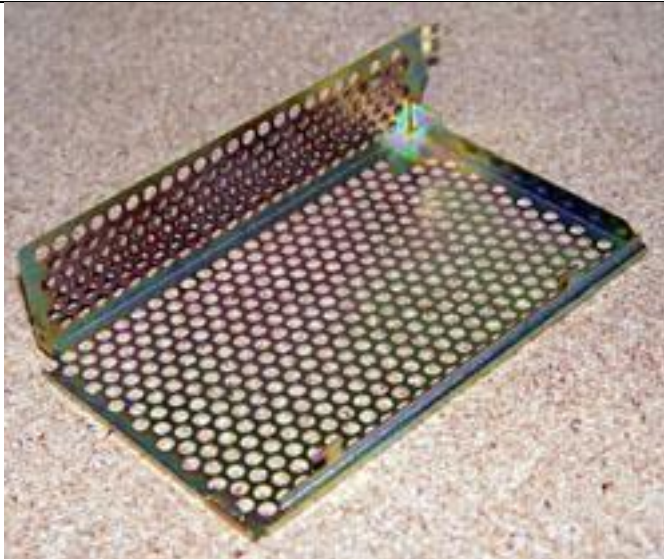
**C-1046**

**15v 7a Power Supply**



**C-1047**

**R100 Power Supply Cover**



**C-1048**

**R50 Power Supply Cover**



**C-1050**

**ELO Touch Monitor 15"**



**C-1052**

**ELO 15" Rear Mount - USB**

**C-1057**

**15" LCD Rear Mount Touch Scr**





**C-1059**

**10-32 Keps Nut, Zinc**

**C-1060**

**M3 Keps Nuts**



**C-1061**

**1/2 x 1 Hex Socket Bolt**

**C-1062**

**4-40 Keps Nut**





**C-1063**

**8-32 x 3/8 Philips Kep**



**C-1064**

**#8 Washer 1/2" OD - Zinc**



**C-1065**


**1/2 x 1-1/2 Hex Socket Bolt**



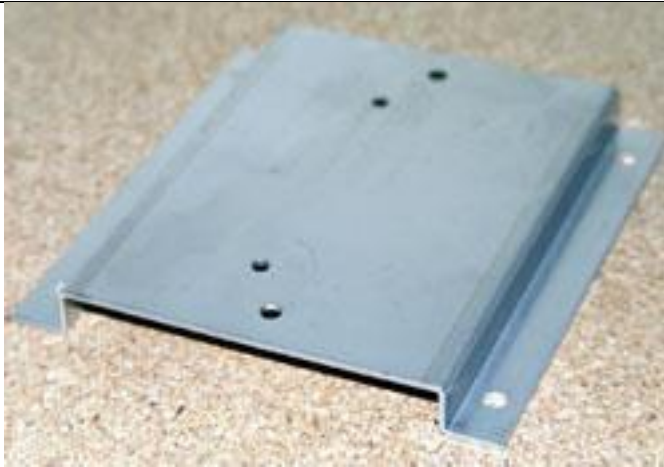
**C-1067**

**4-40 3/8" Phil-Pan Screw**

	<b>C-1070</b> <b>1/4 x 1-1/4 Hex Lag Screw</b>
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	<b>C-1105</b> <b>Thermal Circuit Breaker, 5A</b>
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	<b>C-1205</b> <b>Sub Panel</b>
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	<b>C-1206</b> <b>Power Supply Bracket</b>
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**C-1207**

**Circuit Breaker Enclosure**



**C-1208**

**Hub Mounting Plate**



**C-1210**

**1/4" Kep Nut**

**C-1250**

**Medeco Plug Lock**



**C-1251**

**Lock Cores w/Keys**



**C-1252**

**Conical Compression Spring**



**C-1275**




**Orion Cooling Fan**



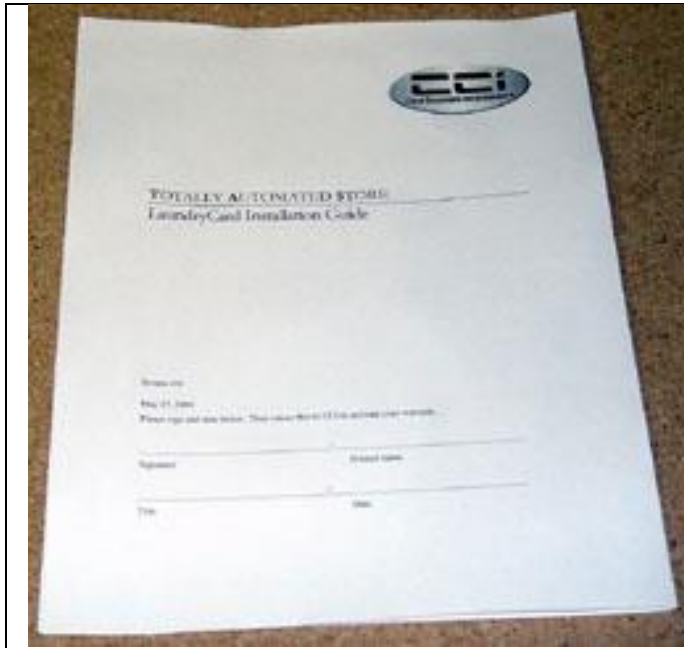
**C-1276**

**48" AC Cord for Cooling Fan**

	<p><b>C-1277</b></p> <p><b>Finger Guard/Cooling Fan</b></p>
	<p><b>C-1280</b></p> <p><b>AC Power Cord 6'</b></p>
	<p><b>C-1370</b></p> <p><b>Cable Duct &amp; Cover</b></p>
	<p><b>C-1400</b></p> <p><b>Steel security cabinet</b></p>
	<p><b>C-1400-05</b></p> <p><b>Long Graphic Frame</b></p>
	<p><b>C-1400-06</b></p> <p><b>Short Graphic Frame</b></p>
	<p><b>C-1403</b></p> <p><b>Graphic Brkt - Set (4pieces)</b></p>

	<p><b>C-1405</b></p> <p><b>Cabinet Lock Handle</b></p>
	<p><b>C-1412</b></p> <p><b>Plexi .187 front door</b></p>
	<p><b>C-1414</b></p> <p><b>Plexi .063 front door</b></p>
	<p><b>C-1415</b></p> <p><b>Lexan Silk Screening w/ 2mil Laminate Film Cover</b></p>
	<p><b>C-2000</b></p> <p><b>Personalized Laundry Cards</b></p>
	<p><b>C-2MANAGECARD</b></p> <p><b>Manager Card</b></p>
	<p><b>C-2PROGRAM</b></p> <p><b>Program Card</b></p>





	<p><b>C-5000</b></p> <p><b>Onsite setup &amp; config</b></p>
	<p><b>C-7120</b></p> <p><b>Flat Panel Touchscreen</b></p>
	<p><b>C-7125</b></p> <p><b>15" Desktop Touchscreen</b></p>
	<p><b>C-7127</b></p> <p><b>15" LCD Touch Screen w/MSR</b></p>
	<p><b>C-7130</b></p> <p><b>15" Monitor</b></p>



**C-7140**  
**Mag Stripe Wedge**



**C-7150**  
**4 Channel DVR**

**C-7160**  
**Color Dome Camera**

**C-7165**  
**Color Dome Camera w/ Varifocal Lens (f4~8mm)**

**C-7170**  
**Clr Impact Outdoor Camera**



**C-7200**

**4 Channel Power Supply**



**C-7210**

**8 Channel Power Supply**



**C-7506**

**RG59U coax with 18/2 Siamese**

**C-7600**

**S Video To VGA Converter**

**COUPLER**

**15 Pin F-F Coupler**