Price List

Brunswick Electronic Repair

U.S. Prices*

*For International Pricing, please contact your local Brunswick Distributor.

Revised June 2021

Brunswick Electronic Repair U.S. Price List

©June 2021 by Brunswick Bowling Products, LLC. All rights reserved.

Frameworx, Vector & GS-X are registered trademarks of Brunswick Bowling Products.

Notice: If available, updates to this manual can be found on-line at www.brunswickbowling.com.

Confidential proprietary information. All information contained in this document is subject to change without notice.

Brunswick Bowling Products 525 West Laketon Avenue P.O. Box 329 Muskegon, MI 49441-2601 U.S.A.

231.725.4966



Since 1968

We Appreciate Your Business

From the Brunswick Electronic Repair Center Team

Committed to Service

We sincerely thank you for trusting Brunswick to repair your electronic bowling equipment. Our advantage of having direct access to the designers and manufacturers of our scoring systems is clearly to your benefit. We have access to supplies of obsolete components and assemblies enabling us to repair your items for many years after they were last manufactured. The goal is to quickly respond to your needs with the least cost solution—and Brunswick does just that.

Our Work is Guaranteed

Our goal is to ship you a high-quality, ready to use assembly. We back it up with a 90-day warranty on our rebuilt assembly materials, workmanship, along with technical support if you have issues with your assembly when it arrives. We trust you won't need it.

Contacting ERC

Here, when you need us!

In North America – Brunswick Electronic Repair

Brunswick Bowling Products
Electronic Repair: 8:00 a.m.-4:30 p.m. Eastern
525 West Laketon Avenue
Muskegon, MI 49441
Toll free - 1(800) 937-2695
Direct dial - 1(231) 725-3370

Fax: (231) 725-4778

E-mail: ERC@brunswickbowling.com

Website:

https://brunswickbowling.com/bowling-centers/service-and-support/electronic-repair

In Canada - French/English spoken

Striker Bowling Solutions #9 – 505 Iroquois Shore Road Oakville, ON Canada L6H 2R3 Toll free - (800) 232-2369 ext. 5

Fax: (866) 789-2695

Brunswick Technical Support:

Toll free - 1-800-937-2695 Direct dial - 1-231-725-4966

Always Troubleshoot FIRST

Making sure it's actually defective

It's important to determine if your assembly is truly defective. Why? Because we must charge you the exchange price - even if it is in working condition. The standard procedure for troubleshooting an electronic assembly is to place the suspect unit in a known good system. This verifies you have identified the proper assembly as having failed because the symptom will move with the suspect assembly.

Here are two methods that might help:

- 1. Read the Brunswick Service Manual for your system. It normally contains the theory of operation and troubleshooting information you will need.
- 2. If an issue occurs with this part within the warranty period contact Brunswick Technical Support for assistance in determining if the warranty part is the cause of the issue.



Since 1968

Need an Assembly Repaired? We have 3 options!

Need a replacement right away? Use our **Pre-Ship** Option!

Pre-Ship can be requested for most items in our inventory. Our goal is to ship it to you within one and a half business days, if we have it in stock – we'll tell you. Just call, fax, or e-mail us to get the process started.

With Pre-Ship, there is a non-refundable charge of US \$60.00 for administration and handling fees. This is not covered under manufacturer's warranty. You must return your defective assemblies within 15 days or you will be charged the "full price" of the item.

When you have returned the items that have failed within the Brunswick Electronic Repair 90-day warranty, we will credit you the pre-shipment charges after the defective item(s) are returned.

Need to send in a spare for repair? Use our Exchange Option!

Exchange is the most commonly used method used by our customers. You simply send the unit to our offices, and we take an already refurbished unit from our stock and ship it right to you.

Have an older assembly that can't be Pre-Shipped? Use our Repair & Return Option!

Brunswick is committed to providing quality repairs on system components for as long as part availability allows us. For products on our list that are marked as <u>No Preship</u>, you will need to send the unit to our offices for repair. A technician will repair your unit back to factory specifications and send the unit back to you.

Assembly not on the list?

Please contact our offices directly. We will work with you to determine if the unit can be repaired.

Packaging your assembly for shipment to Electronic Repair:

- 1. Complete the Electronic Assembly Repair Traveler (located at the end of this document). This document must be included with the shipment to ensure timely repair.
- 2. If you'd like your assembly returned with priority shipping, you may note this on the Traveler. The added freight cost of the shipment will be an additional charge to your order that is <u>not covered under Brunswick</u> warranty.
- 3. Carefully package your assembly so it cannot be damaged in shipment. Take special care with fragile, computer hard drive assemblies. All assemblies must be covered by a static-protective bag or material prior to placing in a shipping box. If your assembly arrives damaged from shipping, we will return it to you unrepaired.
- 4. Label the package with one of the shipping locations shown one page 1. Print your return address on the outside of the box.
- 5. If you are returning a **Pre-Ship** assembly, indicate this on the Repair Traveler form. Include a copy of your invoice.
- 6. Take the package to your preferred carrier, insuring your shipment for the replacement value of the item(s) and request delivery tracking information. If the item is damaged or lost during shipping, you must make a claim to the carrier. Brunswick does not arrange for pickup on Electronic Repair items.



Since 1968

Electronic Repair Center Policies

Restrictions on Repair

- <u>Physical Damage/Missing Parts</u> All assemblies submitted to ERC for repair must arrive in repairable condition. Units with severely damaged components, missing parts (connectors, fuses, etc.), or damage from improper packaging are generally not considered repairable. At their discretion ERC will either inform you of additional fees due to the damage incurred or inform you that the unit cannot be repaired and must be replaced. Broken screens are one example of a situation where additional fees may be incurred.
- <u>90-day Repair Warranty</u> Brunswick Electronic Repair offers a 90-day warranty on all rebuilt assemblies, regardless of manufacturer's warranty. If an issue occurs with this part within the warranty period contact Brunswick Technical Support for assistance in determining if the warranty part is the cause of the issue. The 90-day repair/exchange warranty begins as soon as we send it back to you, not when you put it into service.

From Brunswick's Technical Support Team: Units received from ERC should be put into service <u>immediately</u>. The repair assembly should be exchanged with one currently in use in the system. This allows you to have a known-good working spare, and allow for the repaired unit to operate through the 90-day warranty period. —Daniel Viquez, Technical Support Manager

• <u>Warranty Restrictions</u> – The warranty on your Brunswick components was provided as part of your Brunswick Sales Contract. If you need a copy of the Warranty Schedule for your installation, please contact your Brunswick Sales Representative.

The Brunswick Warranty policy does not cover the following conditions:

- Damage from product abuse, acts of god, and other conditions as described in your warranty policy.
- Repairs, replacements, or modifications made by anyone other than Seller or a Seller-certified installer.
- Abuse, misuse, accident, alteration, tampering, neglect, or lack of reasonable care, water, moisture, atmospheric conditions, storms, lightning, power surges, or from other causes over which Seller has no control.
- o Buyer's failure to maintain products in accordance with applicable product manuals and service bulletins. Please refer to www.brunswickbowling.com for current publications.
- LCD/LED Overhead Monitors Broken screens are not repairable by ERC for repair or under the Brunswick Warranty.

Assemblies that fail under the warranty period but are ineligible for warranty coverage will either be repaired for the current repair costs, or as noted above for extreme cases will require purchase of a new assembly.



Since 1968

Electronic Repair Center Invoice

Reading Your Invoice

There are several types of charges that could appear on your Brunswick Invoice.

- Exchange Price This is the amount charged to exchange the defective board with a rebuilt assembly of the same model. The part numbers have an -8xx extension.
- <u>Full Price</u> If you had an item pre-shipped, and you fail to return the defective assembly within 15 days of receiving that item, you will be charged the full price of the item. These part numbers have a -7xx extension.
- Pre-shipment Fee This is the non-refundable fee.
- Freight The cost of shipping the assembly to your bowling center.

Payment Options

Brunswick offers **4** payment options for your convenience. If you are unsure regarding your center's current payment setup with ERC please give us a call to confirm.

- Open Account The easiest method of payment is through an open account with Brunswick.
 Note: If your account is overdue, you will be notified to contact your credit manager to address the situation before the repaired assembly can be shipped.
- <u>Check</u> Include a Cashier's Check for the invoice when sending your assembly to us. It is recommended to contact ERC prior to shipping the assembly to make sure the check is sent for the correct amount to prevent delays in shipping. ERC can also process an e-check over the phone.
- <u>Credit Card</u> An ERC representative will contact you at time of shipment to obtain payment information and authorization.
- <u>Purchase Order</u> Many companies are required to provide Brunswick a purchase order number. Put this number on your Repair Traveler form.

Electronic Repair Center Traveler Form

A key element to the Brunswick Electronic Repair Business is the sharing of resources. When one customer sends us an electronic circuit board to repair, they usually receive someone else's repaired unit as an exchange. This process allows quick turnaround as we carry an inventory of repaired units.

Since we share the pool of exchange units, it is in everyone's best interest to indicate as much information about the failure as possible. We request that you complete the Electronic Assembly Repair Traveler form (back cover) in as much detail as possible. Failure information helps the technician properly test the unit to the extent of the failure reported. Better failure data means our repair technicians have a better chance of detecting and repairing the issues in an expedient manner.



Since 1968

Obsolete Assemblies - 01/01/2021

In the past year many additional repair components have become obsolete. Every year, the speed of obsolescence in electronics is more rapid. The older a component is, the more difficult it is to procure replacement parts. Our ability to repair electronic assemblies is directly related to the age of the product's design. As a result, the types of older items we are still able to repair and the cost to repair them changes continuously.

Brunswick does everything possible to stretch the life of your electronic product investment by maintaining qualified and well-inventoried repair services. The best way to do this is to purchase obsolete products and assemblies when they are discontinued. This is a sizeable investment that has a time and financial limit. Please look closely at the list of items Brunswick repairs to see if you can still exchange them with us. If you have the need to repair a repairable electronic assembly that is not listed in the price pages, please contact us. If we can help you, we will simply charge you time and materials to repair it.

The list below serves as official notice of the "discontinuation of service" for these products. We no longer offer repairs or exchanges on the items in this list. You can contact your Brunswick Capital Equipment Sales Representative for exciting information on our newest Brunswick Scoring and Management System, Sync

57-215310-810	13" Ceronix PCB (1492)
57-861631-800	13" Ceronix PCB (1493-4152)
57-300895-800	13" Ceronix PCB (1493-4203/4233)
57-215806-800	Ceronix Remote Adjustment PCB
57-300041-800	FW Video Receiver PCB
57-300123-810	FW TV-Only PCB
57-300120-800	FW & Vector 27" Ceronix PCB
57-860787-800	FW & Vector 27" CRT Only (w/Yoke)
57-300539-800	FW 27" Overhead w/o Shell (Ceronix)
57-300540-800	FW 27" TV Only w/o Shell (Ceronix)
57-860922-800	FW 27" Overhead Monitor-Complete
57-500291-800	Vector Overhead Display Interface PCB
57-500316-810	Vector TV-Only Monitor PCB
57-301027-810	FW & Vector 36" Ceronix PCB
57-500032-800	Vector 27" Overhead (Ceronix)
57-500322-810	Vector 27" TV Only (Ceronix)
61-860160-800	Computer Lane Monitor

If an item is not listed in the price pages, we do not offer standard repair and/or exchange services. However, if you call us by telephone at 1-800–YES-BOWL we can tell you if we are able to repair your assembly on a time and materials basis.

Brunswick and the Brunswick Electronic Repair Center reserve the right to modify prices without notice.

We reserve the right to discontinue support of any assembly without written or verbal notice.



Since 1968

Discontinuation of Computer Lane Monitor Repair and Support

Brunswick has provided a solution to the industry for verifying lane pattern integrity since the 1980's when the black box was first introduced. However, due to increasingly difficult supply chains and the increasing costs of supporting aging technology - Brunswick has officially ended support for the Computer Lane Monitor program and products.

In November of 2019, it was announced that Brunswick will be discontinuing the Computer Lane Monitor program and products. All remaining inventory will continue to sell until inventory expires, but it will not be restocked. Electronic Repair and Support was extended through the end of the year 2020 and is no longer available.

There is still a large amount of inventory left, but it is first come, first serve. If you are a user of the CLM in your daily needs, it is recommended that you stock up on your items to support your long-term needs.

Current inventory levels as of 2/22/2021:

Part #	Description	Available
		Stock
11900070000	UV Pick-Up Tape	4568
61100057000	White Label Tape	440
61860162000	Calibration Kit	243
61860155000	Lane Recorder	86
61100261000	Rubber Roller	55
61860225620	Computer Lane Reader 220V	18
61860273400	Software - CD V1-01	9
61860225600	Computer Lane Reader 110V	7
61100055004	Rubber Wheel Assembly	5
61100060000ER	UV Bulb	37
61100055003	Tape Hub	0
61100055016	Foot Pad Small	0
61860273401	Software - CD V2.00	0
61100060000	UV Bulb	0
61100055018	Foot Pad Large	0

If you wish to purchase parts for the Computer Lane Monitor, please contact Brunswick Customer service at (800)937-2695, Option 2, 2.

Electronic Repair Part Number	Description	Exchange Price	Full Price
ver Monitor Video As	semblies - Frameworx, Vector		
57-300060-800	FW 15" LCD Replacement for CRT Monitor	\$250	\$788
57-300070-800	FW 15" LCD Touchscreen Replacement for CRT Monitor	\$275	\$912
57-861850-810	FW 13" LCD Flatscreen Touchscreen Monitor (Use w/Brick)	\$440	\$1,500
57-861892-800	FW 13" LCD Flatscreen Touchscreen Monitor (Use w/o Brick)	\$440	No Preship
57-500242-800	Vector LCD Flatscreen Power Supply	\$100	\$400
57-500363-800	Vector LCD Flatscreen Console Control PCB	\$100	\$250
57-500312-810	Vector 13" LCD Flatscreen Touchscreen Monitor (Sanyo)	\$440	\$1,500
57-500413-810	Vector 13" LCD Flatscreen Touchscreen Monitor (Sharp)	\$440	\$1,500
57-500476-800	Vector 13" LCD Flatscreen Touchscreen Monitor (Magic)	\$440	\$1,500
57-500718-800	Vector 13" LCD Flatscreen Touchscreen Monitor (Magic w/bright)	\$440	\$1,500
57-501026-800	Vector 13" LCD Flatscreen Touchscreen Monitor (Magic w/bright) RoHS	\$440	\$1,500
57-300877-800	LCD Inverter PCB	\$50	\$50
57-862084-800	Brick to Brickless Conversion Kit	\$275	\$275
X Pinsetter Assembl 47-142666-800	GS-X Nexgen LCD Display Assy	\$75	\$150
47-142708-800	GS-X Nexgen ESD I/O PCB	\$99	\$200
47-142750-800	GS-X Rear Display Assy	\$200	\$500
47-142736-820	GS-X Nexgen CPU PCB	\$305	\$500
47-142977-800	GS-X Nexgen to AS-90 Interface PCB	\$100	\$150
47-862852-810	GS-X Nexgen HV PCB (Mod)	\$212	\$500
nners & Pin/Ball Sen	sing Assemblies		
53-520927-800	Intellishield Controller Assy	\$285	\$460
53-520905-801	Intellishield Transmit PCB	\$75	\$150
53-520905-802	Intellishield Receive PCB	\$75	\$150
57-860407-800	CCD Camera Assembly	\$351	\$1,000
57-860408-800	CCD Processor Assembly (Software Version)	\$357	\$1,000
57-860376-800	CCD Camera Tester No LCD Replacement	\$313	No Preship
57-860376-801	CCD Camera Tester W/LCD Replacement	\$400	No Preship
57-300667-800	VPS Ball Detect	\$75	No Preship
57-300710-800	VPS Camera Only	\$100	No Preship
57-300704-800	VPS Assembly - Video Pin Sensor (Software Version)	\$332	No Preship

Electronic Repair Part Number	Description	Exchange Price	Ful Price
NC Scorer Assemblies	8		
57-863838-800	SYNC i5 Display Controller (Blue)	\$500	\$1,200
57-863732-800	SYNC Display Controller (Black)	\$500	\$1,200
57-863811-800	S5 SYNC Tablet	\$599	\$650
17-400665-800	(2) SYNC Tablet Screen Protectors	NA	\$38
17-400665-801	(1) MAX (ERC) Tablet Screen Protector	NA	\$20
57-501303-800	SYNC Touchpad	\$235	\$400
57-501366-800	SYNC Touchpad PCB	\$159	\$200
57-501265-800	SYNC Pinfall Camera	\$300	\$650
57-501348-800	Peripheral Controller	\$585	\$1,000
57-501292-800	S5 Interface PCB SYNC Dual Pedestal	\$75	\$150
57-501295-800	S5 Interface PCB SYNC Single Pedestal	\$45	\$90
tor Scorer Assemblie	s		
57-500156-810	Vector Distribution PCB 5.0 (Software Version)	\$159	\$250
57-500729-810	Vector Distribution PCB 6.0 (Software Version)	\$159	\$250
57-500203-800	Vector Camera Only	\$125	\$200
57-500204-800	Vector Camera Assembly - v1	\$250	\$450
57-500587-800	Vector Camera Assembly - v2	\$275	\$450
57-500842-800	Vector Camera Assembly - v3	\$275	\$450
57-501088-800	Vector Camera Assembly - v4	\$275	\$450
57-500887-800	Vector BNC Camera PCB	\$100	\$150
57-501059-800	Vector Ball Detect v2 - (1) Only (w/o plate assembly)	\$52	\$150
57-501060-800	Vector Ball Detect v2 - (2) w/plate assembly	\$99	\$200
57-300883-800ER	Vector Keypad Mounting Plate (No Kypd)	NA	\$84
57-500367-810	Vector Keypad Interface PCB	\$159	\$200
57-500304-800	Vector Keypad & Mounting Plate (No PCB)	\$150	\$300
57-500371-810	Vector Keypad Assembly (Complete)	\$292	\$500
57-500861-800	Vector Keypad Interface PCB-ESD	\$159	\$200
57-500862-800	Vector Keypad Assembly-ESD (Complete)	\$292	\$500
57-500229-800	Vector 3com Ethernet PCB 10/100	\$50	\$150
57-501072-800	Vector Scoring Computer Power Supply ATX12V V2.X	NA	\$134
57-500248-800	Vector LCD Interface PCB	\$150	\$300
57-500283-800	Vector Video 3 PCB	\$423	\$1,000
57-500329-800	Vector Primary Patch Panel PCB w/sound	\$250	\$500
57-500703-800	Vector Primary RJ-45 Panel PCB (used w/ 57-500709-800)	\$285	\$450
57-500826-800	Vector Combined Secondary RJ-45 Panel	\$200	
57-500709-800	Vector Primary Differential Video Processor (used w/ 57-500703-800)	\$159	\$400
57-500763-800	Vector Primary Sub-D Panel PCB (used w/ 57-500770-800)	\$200	\$400
57-500767-800	Vector Secondary Sub-D Panel PCB	\$200	\$400
57-500770-800	Vector Primary Single-Ended Video Processor (used w/ 57-500763-800)	\$100	\$300
57-500269-800	Vector Motherboard v1 - CS65EC or GCS65E	\$500	No Preshi
57-500742-800	Vector Motherboard v2 - G4S601-B-G	\$500	No Preshi
57-501075-800	Vector Motherboard v3 - BL630-D	\$500	\$90
57-863762-800	Vector Motherboard v4 - HD630	\$650	\$1,25
57-500295-810	Vector SSD w/bracket & SATA cable v1 MB CRT Overhead	\$165	\$40
57-500295-820	Vector SSD w/bracket & SATA cable v1 MB LCD Overhead	\$165	\$40
57-500748-800	Vector SSD w/bracket & SATA cable- v2 MB/CRT Overhead	\$165	\$40
57-500748-810	Vector SSD w/bracket & SATA cable- v2 MB/LCD Overhead	\$165	\$40
57-500751-800	Vector SSD w/ "L" bracket & SATA cable - v2 MB/CRT Overhead	\$165	\$40
57-500751-810	Vector SSD w/ "L" bkt & SATA cable- v2 MB/CRT Overhead embedded XP	\$165	\$40
57-500845-800	Vector SSD w/ "L" bkt & SATA cable - v2 MB/LCD Overhead	\$165	\$40
57-500845-810	Vector SSD w/ "L" bkt & SATA cable - v2 MB/LCD Overhead embedded XP	\$165	\$40
57-501237-800	Vector SSD - v2 W/L bkt & SATA cable embedded XP	\$205	\$40
57-501090-850	Vector SSD - v3 MB LCD Overhead & SATA cable	\$205	\$40
57-501097-800	Vector SSD - v3 MB CRT Overhead & SATA cable	\$205	\$40
57-501138-800	Vector SSD - v4 & SATA cable	\$215	\$40
57-500347-810	Vector Scoring Computer LCD Lowers	\$1,500	No Preshi
57-500348-810	Vector Scoring Computer Keypad Lowers	\$1,500	No Presh

Electronic Repair Part Number	Description	Exchange Price	Full Price
Vector Scorer Assemblie	es - Continued		
57-863548-800	Vector HD Display Controller	\$500	\$1,200
57-501128-800	Vector HD Display Controller Power Supply	\$75	\$200
57-500818-800	RS 232/485 Converter	\$120	\$120
Vector/Frameworx LCD	Overhead Video Assemblies		
57-500436-800	Vector Synch Separator PCB	\$100	\$250
57-500441-810	Vector Serial Communications Controller PCB	\$100	\$250
57-500454-800	Vector Bridging Tapoff Amplifier PCB	\$55	\$75
57-500469-800	Vector Triple Output Power Supply Assy	\$100	\$200
57-500700-800	Vector VGA Adapter Module	\$100	\$200
57-500847-810	Vector Big Box Direct I/F Assy	\$300	\$600
57-301187-800	FW LCD OH Interface PCB Assy	\$125	\$500
57-501000-800	FW LCD Interface PCB Assy	\$350	\$1,000
57-301208810	FW LCD Interface PCB	\$175	\$325
57-500921-810	AS80/90 LCD Interface PCB	\$100	\$250
57-500964-810	Octal VGA Converter Assy	\$300	\$750
57-863033-800	Vector 40" NEC LCD4010 Monitor	\$500	No Preship
57-863048-800	Vector 32" NEC LCD3210 Monitor	\$400	No Preship
57-863574-800	Samsung 40" LED Monitor	\$500	\$1,000
57-863718-800	Samsung 48" LED Monitor	\$550	No Preship
57-863359-801	Samsung 46" LCD Monitor	\$500	No Preship
57-863355-801	Samsung 40" LCD Monitor	\$500	No Preship
57-863582-800	Samsung 32" LED Momitor	\$500	\$1,000
57-863356-801	Samsung 32" LCD Monitor	\$400	\$900
57-863327-800	Vector 42" Olevia LCD Monitor	\$400	\$1,000
57-863328-800	Vector 37" Olevia LCD Monitor	\$350	\$1,000
57-863329-800	Vector 32" Olevia LCD Monitor	\$300	\$1,000
Vector Vector Plus, and	Frameworx Center Management Systems Assy Front D	esk and Back Offic	ce
57-300183-800	FW Cms Handset PCB	\$90	\$150
57-300184-800	FW Cms Intercom/Handset	\$155	\$275
57-300361-800	FW Cash Drawer Adaptor PCB Assy	\$125	\$350
57-301174-810	Vector A/V Box Assy	\$209	\$500
57-300490-810	FW Cms A/V Box Assy.	\$209	\$750
57-300490-811	FW Cms A/V Box Transformer Assy	\$75	\$125
57-300487-810	FW Cms A/V Audio PCB	\$90	\$300
57-300080-800	FW Cms A/V Composite/RGB PCB (Analog)	\$75	\$250
57-300956-800	FW Cms A/V Composite/RGB PCB (Digital)	\$100	\$500
57-300400-800	FW Cms Beep Speaker Assembly	\$80	\$200
57-861017-800	Okidata 320 Turbo Printer	\$250	No Preship
57-861017-810	Okidata 320 Turbo Printer w/USB	\$250	No Preship
57-861410-800	Cm Receipt Printer (220V) (White or Black)	\$335	\$968
57-863408-800	Cm Receipt Printer (110V) (White or Black)	\$335	\$968
57-863527-800	CTS-2000 Receipt Printer	\$315	\$500
37-003327-000	BIXOLON SRP275-III W/ETHERNET Receipt Printer	ΨΟΤΟ	ψ500
57-862079-800	(Replaces the Epson TM-U220B and TM-U230 Printers)	\$315	\$989
57-861662-800	Elo 17" LCD Flatscreen Monitor	\$530	\$1,500
57-863195-800	Elo 19" LCD Flatscreen Monitor	\$530	\$1,500
57-863195-850	Elo Power Supply	\$75	\$1,500
57-862062-802	VX805 CREDIT ONLY PINPAD with Mercury Encryption	\$285	\$500
57-863629-800	RF Amplifier	\$75	\$200
37-003029-000	Tru Ampilier	φ/5	φ∠∪∪

Electronic Repair Part Number	Description	Exchange Price	Full Price
Frameworx Scorer Asser	mblies		
57-300044-810	FW I/O PCB (1995-2001)	\$135	\$400
57-300671-800	FW I/O PCB (2001+ w/lane ID Switch)	\$159	\$400
57-300106-810	FW Console Video PCB	\$135	\$400
57-861167-810	FW Remote Video PCB	\$135	\$400
57-301081-800	FW Remote Video PCB 2002+	\$135	\$500
57-300160-800	FW Primary Power Supply Assy	\$150	\$150
57-300278-800	F/X Secondary Power Supply	\$125	\$200
57-300392-810	FW 3Com Lan Card (Scorer)	\$53	\$200
57-300391-800	FW 486 CPU PCB w/16MB Ram	\$335	\$1,200
57-300164-810	FW Console Audio PCB (Standard)	\$105	\$200
57-300164-820	FW Console Audio PCB (Modified)	\$105	\$200
57-300195-810	FW Console Control PCB	\$105	\$200
57-300192-810	FW Console Option PCB (Except LCD Flatscreen)	\$86	\$200
57-300249-800	FW Console Option PCB LCD Flatscreen)	\$86	\$200
57-300377-800	FW Microtouch Controller	\$200	\$500
57-300815-800	FW Touchworx Power Supply PCB (In Brick)	\$74	\$125
57-300856-800	FW Touch Control Unit (Brick)	\$325	\$900
57-300368-800	FW Sound Card PCB	\$125	\$250
57-300478-810	FW CMOS Maintenance PCB	\$75	\$100
57-300178-810	FW Pinsetter I/O PCB Only	\$118	\$250
57-300199-810	FW HDLC Converter PCB (Pinsetter Interface Add-On)	\$100	\$200
57-300554-810	FW HDLC Pinsetter Interface PCB	\$80	\$500
57-300565-810	FW Pinsetter Interface Box (GS Single Board)	\$100	No Preship
57-860950-810	FW Pinsetter Interface Box Assy. (A-2)	\$175	No Preship
57-860951-810	FW Pinsetter Interface Box Assy. (GS)	\$175	No Preship
GS-10/GS-92/GS-96/GS-9 47-142806-800	8 Silver Box, Smart Shark and Consolidated Electronics As GS-92 Gamesetter CPU PCB	ssemblies \$250	No Preship
47-142815-800	GS-92 Gamesetter I/O PCB	\$250	No Preship
47-142839-800	GS-92 Gamesetter Assy	\$400	No Preship
47-142807-810	GS-92 Smart Shark CPU PCB	\$250	No Preship
47-142825-800	GS-92 Smart Shark Gamesetter I/O PCB	\$250	No Preship
47-862711-800	GS-92 Smart Shark Gamesetter	\$400	No Preship
47-172903-800	GS-92 Universal Common Box PCB	\$195	No Preship
47-162809-800	GS-92 High Voltage PCB	\$230	No Preship
47-162839-800	GS-92 Smart Shark High Voltage PCB	\$110	No Preship
47-142530-800	GS-98 Consolidated I/O PCB	\$270	No Preship
47-142533-810	GS-98 Consolidated CPU PCB - Indirect (Software Version 2.4)	\$340	No Preship
47-142533-820	GS-98 Consolidated CPU PCB - Direct (Software Version 3.0)	\$340	No Preship
47-142781-800	GS-98 Consolidated Rear Display PCB	\$125	\$200
String Pin, 5 Pin String, 8			
55-860064-800	StringPin, Controller,Slide Out	\$685	\$1,200
55-143008-830	StringPin High Voltage PCB 230V	\$182	\$260
55-143008-880	StringPin High Voltage PCB 380V	\$182	\$260
57-215213-810	Model "M" 5 Pin PCB Assy	\$175	No Preship
57-215235-810	Model "S" Duckpin PCB Assy	\$175	No Preship
57-215299-810	Model "P" 5 Pin PCB Assy	\$175	No Preship
57-215299-811	Model "P" 5 Pin PCB Assy (Modified)	\$175	No Preship
57-215587-810	Model "CA-1" 5 Pin PCB Assy	\$225	No Preship
57-500902-800	String Pinsetter Interface PCB 24-48V	\$150	\$300
57-500911-800	String Pinsetter Interface Assembly 24-48V	\$250	\$500
57-500911-810	String Pinsetter Interface Assembly 5-15V	\$250	\$500
55-200775-800	SES String HV PCB Assy 208V 3 Phase	\$550	\$950
55-200752-800	SES String HV PCB Assy 400V 3 Phase	\$550	\$950
55-200753-800	SES String CPU PCB Assy	\$550	\$950

Electronic Repair	Description	Exchange	Fu
Part Number		Price	Pric
efoul / Ball Detect / El	ectronic Triggering /Lightworx / Miscellaneous Assemblies		
12-752400-810	Universal Electronic Trigger PCB	\$125	No Presh
12-752408-810	Universal Electronic Trigger PCB	\$80	No Presh
12-862585-810	Universal Diagnostic Trigger PCB	\$80	\$2
12-862890-800	Time Delay PCB	\$98	\$2
17-300237-800	ABW Control Center	\$250	\$7
17-300226-800	PBW Automated Bumper Controller PCB	\$125	\$2
84-860803-800	PBW II Automated Bumper Controller ASSY	\$150	\$2
53-600173-800	S.S. Telefoul PCB	\$114	\$2
53-600177-800	Infrared Telefoul Assy - Narrow	\$96	\$4
53-600177-803	Infrared Telefoul Sensor Block	\$53	\$1
53-600179-801	Infrared Telefoul PCB - Narrow	\$193	\$4
99-087140-800	Ball Detect Assy V2	\$59	\$1
57-861237-800	Dual Output Ball Detect	\$106	\$3
84-200292-800	Lightworx Addressable Lane Module	\$55	\$
84-200330-800	Lightworx Control Center	\$275	\$6
thority22 Lane Machir	ne Electronic Assemblies		
14-100089-800	A22 Motor Controller PCB Assy	\$212	\$6
14-100110-800	A22 Machine Controller PCB Assy (Software V0.33 or V1.01)	\$395	\$1,0
14-100129-800	A22 Injector Driver PCB	\$100	\$(
14-100154-815	A22 Electrical Control Enclosure Assy 115V	\$895	\$2,5
14-100154-830	A22 Electrical Control Enclosure Assy 230V	\$895	\$2,
14-100157-800	A22 Power Supply-Meanwell SP-500 Series	\$199	\$4
14-100157-800	Keypad-Graphics User Interface (A22/Envoy)	\$139	\$
14-100357-800	A22 LCD Module	\$295	
14-100176-800	UPS Assy - GUI (A22/Envoy)	\$150	\$4
14-100177-800	A22 Viper PC104 PCB - V2.3	\$295	\$9
14-100179-800	A22 Inverter PCB	\$150	\$!
14-100179-800		\$150	\$!
	A22 Adapter PCB for Viper A22 Ethernet PCB	\$150	
14-100181-800			\$
14-100285-815	A22 Regenerative Drive - 115V	\$317	\$4
14-100285-830	A22 Regenerative Drive - 230V	\$317	\$
14-100362-800	A22 Graphical User Interface Assy (New Style: Software V1.03 or V2.0)	\$1,095	\$5,0
14-100466-800	A22 Machine Controller PCB Assy (Software V1.01)	\$395	\$1,5
14-100596-800	A22 Motor Controller PCB Assy 2	\$250	\$1,0
14-100971-800	A22 Machine Controller PCB Assy 2	\$395	\$1,
	almosts Assembles		
voy Lane Machine Ele		1	
14-100583-800	Envoy Injector PCB Assy	\$100	\$6
14-100610-800	Envoy Motor Controller PCB Assy	\$212	\$6
14-100750-810	Envoy Machine Controller PCB Assy	\$420	\$1,0
14-100775-810	Envoy Electrical Enclosure	\$895	\$2,5
14-100822-800	Envoy Variable Speed Motor Control PCB Assy	\$425	\$4
14-100177-800	UPS Assy - GUI (A22/Envoy)	\$150	. \$4
14-100842-810	Envoy Graphical User Interface (GUI)	\$1,095	\$5,0
14-101843-800	Envoy+ Tablet with Mounting Bracket and Cables	\$819	\$1, ⁻
14-100857-810	Envoy Avantech PCB Assy	\$395	\$9
14-100908-800	Envoy GUI Compact Flash V.3.05	\$195	\$4
14-100934-800	Envoy Inverter-LCD	\$150	\$!
14-100984-800ER	Envoy Inverter-LED	\$150	\$!
14-100948-800	Envoy 24V/50A Output Power Supply Assy	\$250	\$8

MAX Lane Machine Electronic Assemblies

Electronic Repair Part Number	Description	Exchange Price	Full Price
14-101842-800	MAX Tablet with Mounting Bracket and Cables	\$819	\$1,165
17-400665-801	(1) MAX Tablet Screen Protector	NA	\$20
14-101014-800	Max Electrical Enclosure	\$995	\$2,500
14-101102-800	MAX Lane Machine Controller PCB	\$450	\$1,130
14-101610-800	MAX Motor Controller PCB	\$335	\$710

Discontinued 01/01/2021

Lower Monitor Video Assemblies - Frameworx, Vector

LOW	el Mollitol Video A33	emblies - I famework, vector
	57-215310-810	13" Ceronix PCB (1492)
	57-861631-800	13" Ceronix PCB (1493-4152)
	57-300895-800	13" Ceronix PCB (1493-4203/4233)
	57-215806-800	Ceronix Remote Adjustment PCB
	57-300041-800	FW Video Receiver PCB
	57-300123-810	FW TV-Only PCB
Ove	rhead Monitor Video	Assemblies - Frameworx, Vector
	57-300120-800	FW & Vector 27" Ceronix PCB
	57-860787-800	FW & Vector 27" CRT Only (w/Yoke)
	57-300539-800	FW 27" Overhead w/o Shell (Ceronix)
	57-300540-800	FW 27" TV Only w/o Shell (Ceronix)
	57-860922-800	FW 27" Overhead Monitor-Complete
	57-500291-800	Vector Overhead Display Interface PCB
	57-500316-810	Vector TV-Only Monitor PCB
	57-301027-810	FW & Vector 36" Ceronix PCB
	57-500032-800	Vector 27" Overhead (Ceronix)
	57-500322-810	Vector 27" TV Only (Ceronix)
Tele	foul / Ball Detect / Ele	ctronic Triggering /Lightworx / Miscellaneous Assemblies
	61-860160-800	Computer Lane Monitor
	•	

Discontinued 04/01/2021

Vector, Vector Plus, and Frameworx Center Management Systems Assy. - Front Desk and Back Office

101, 100101 1 100, 01101	ramon or a contact management cyclome recept a ront zoon a
57-861591-800	3Com 905B-Tpo Ethernet Lan Card
57-861657-800	Siig 2-Db9 Serial Port PCB



SERVICE AND SUPPORT - Getting you up and running fast with Pre-Ship exchange, assembly exchange & assembly repair

Electronic Repair Center Assembly Traveler Form