Price List

Brunswick
Electronic Repair
U.S. Prices*

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

Revised October 2024

Brunswick Electronic Repair U.S. Price List

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

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

231.725.4966

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.

Need an Assembly Repaired? We have 4 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 No Preship, 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.

*Are you a **Sync One** customer?*

As a Sync One customer, many of your electronics are covered under warranty as part of your subscription agreement. The Brunswick Warranty team is here to assist you in processing your claim and providing you with the parts you need to keep your center running. The quickest way to file a warranty claim is to use our online form located here:
https://brunswickbowling.com/bowling-centers/service-and-support/warranty/file-a-claim

Please make sure to fill out the form with as much detail as possible to ensure there are no delays in processing your request. Sync One customers should select Capital for the claim type, make sure you have your contract number and installation date available. Once you have submitted the form your claim will be automatically entered into our warranty system.

A Warranty Administrator will process your claim, once complete you will receive an email that will include a Warranty Claim Summary. The summary will provide the claim number assigned to your request, a list all

products requested, show the claim status, along with any special circumstances such as back orders, and include instructions for returning the defective product if required.

Questions? Once your warranty claim is submitted online, please feel free to reach out to the warranty department via email at bbwarranty@brunswickbowling.com.

Toll Free: 800-937-2695
Email: bbwarranty@brunswickbowling.com

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 not covered under Brunswick 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 un-repaired.
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.

Electronic Repair Center Policies

Restrictions on Repair

- Physical Damage/Missing Parts – 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.

- 90-day Repair Warranty – 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 immediately. 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. –

- Warranty Restrictions – 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.

  - 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.

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.
- Full Price – 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.

- Check – 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.

- Credit Card – An ERC representative will contact you at time of shipment to obtain payment information and authorization.

- Purchase Order - 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.

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.

Discontinued – 04/01/2021

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

57-861591-800	3Com 905B-Tpo Ethernet Lan Card
57-861657-800	Siig 2-Db9 Serial Port PCB
57-300667-800	VPS Ball Detect
57-300710-800	VPS Camera Only
57-300704-800	VPS Assembly - Video Pin Sensor (Software Version)

Discontinued 07/01/2022

57-861662-800	Elo 17" LCD Flatscreen Monitor
57-863195-800	Elo 19" LCD Flatscreen Monitor

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 9/1/2022:

Part #	Description	Available Stock
11900070000	UV Pick-Up Tape	2419
61100057000	White Label Tape	435
61860162000	Calibration Kit	194
61860155000	Lane Recorder	85
61100261000	Rubber Roller	54
61860225620	Computer Lane Reader 220V	18
61860273400	Software - CD V1-01	8
61860225600	Computer Lane Reader 110V	1
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.

BRUNSWICK ELECTRONIC REPAIR
October 2024

Electronic Repair Part Number	Description	Exchange Price	Full Price
SYNC Scorer Assemblies			
57-864166-800	Display Controller, IPC 2 HDMI 12 GEN	$850	$1,475
57-864096-800	Display Controller, IPC DUAL HDMI	$850	$1,475
57-863985-800	Display Controller, Industrial PC	$850	$1,475
57-863838-800	SYNC i5 Display Controller (Blue)	$850	$1,475
57-863732-800	SYNC Display Controller (Black)	$850	$1,475
57-501128-800	HD Display Controller (Blue/Black) Power Supply	$75	$200
57-863811-800	S5 SYNC Tablet	$599	$650
57-863981-800	S6 SYNC Tablet	$619	$800
57-864111-800	S6.1 SYNC Tablet	$639	$950
57-501345-800	SYNC Lower Power Supply	$125	$210
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
57-500201-800	SYNC Camera Only	$150	$250
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
57-864122-800	NITRO Server, w/ NITRO app	$850	$1,475
Spark Node			
57-863873-800	Spark Node Single BenQ	$2,095	$3,100
57-863873-801	Spark Node Single OPTOMA	$2,095	$3,100
Vector Scorer Assemblies			
57-500156-810	Vector Distribution PCB 5.0 (Software Version)	$159	$250
57-500729-810	Vector Distribution PCB 6.0 (Software Version)	$159	$250
57-500204-800	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
57-500203-800	Vector Camera Only	$125	$200
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	$500
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 Preship
57-500742-800	Vector Motherboard v2 - G4S601-B-G	$500	No Preship
57-501075-800	Vector Motherboard v3 - BL630-D	$500	$900
57-863762-800	Vector Motherboard v4 - HD630	$650	$1,250
57-500295-810	Vector SSD w/bracket & SATA cable v1 MB CRT Overhead	$165	$400
57-500295-820	Vector SSD w/bracket & SATA cable v1 MB LCD Overhead	$165	$400

Vector Scorer Assemblies - continued

BRUNSWICK ELECTRONIC REPAIR
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Electronic Repair Part Number	Description	Exchange Price	Full Price
57-500748-800	Vector SSD w/bracket & SATA cable- v2 MB/CRT Overhead	$165	$400
57-500748-810	Vector SSD w/bracket & SATA cable- v2 MB/LCD Overhead	$165	$400
57-500751-800	Vector SSD w/ "L" bracket & SATA cable - v2 MB/CRT Overhead	$165	$400
57-500751-810	Vector SSD w/ "L" bkt & SATA cable- v2 MB/CRT Overhead embedded XP	$165	$400
57-500845-800	Vector SSD w/ "L" bkt & SATA cable - v2 MB/LCD Overhead	$165	$400
57-500845-810	Vector SSD w/ "L" bkt & SATA cable - v2 MB/LCD Overhead embedded XP	$165	$400
57-501237-800	Vector SSD - v2 W/L bkt & SATA cable embedded XP	$205	$400
57-501090-850	Vector SSD - v3 MB LCD Overhead embedded XP	$205	$400
57-501097-800	Vector SSD - v3 MB CRT Overhead embedded XP	$205	$400
57-501138-800	Vector SSD - v4 embedded XP	$215	$400
57-500347-810	Vector Scoring Computer LCD Lowers	$1,500	No Preship
57-500348-810	Vector Scoring Computer Keypad Lowers	$1,500	No Preship
57-863548-800	Vector HD Display Controller	$850	$1,475
57-501128-800	HD Display Controller (Blue/Black) Power Supply	$75	$200
57-500700-800	Vector VGA Adapter Module	$100	$200

Frameworx Scorer Assemblies

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
57-300557-800	FW Motherboard Pushbuton Relay	$54	$75

Lower Monitor Video Assemblies - Frameworx, Vector

57-300060-800	FW 15" LCD Replacement for CRT Monitor	$591	$788
57-300070-800	FW 15" LCD Touchscreen Replacement for CRT Monitor	$663	$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

Lower Monitor Video Assemblies - Frameworx, Vector - continued

57-501026-800	Vector 13" LCD Flatscreen Touchscreen Monitor (Magic w/bright) RoHS	$440	$1,500
57-300877-800	LCD Inverter PCB	$50	$50

BRUNSWICK ELECTRONIC REPAIR
October 2024

Electronic Repair Part Number	Description	Exchange Price	Full Price
Video Assemblies - Frameworx, Vector			
57-500441-810	Vector Serial Communications Controller PCB	$100	$250
57-500454-800	Vector Bridging Tapoff Amplifier PCB	$55	$75
57-500436-800	Vector Synch Separator PCB	$100	$250
57-500469-800	Vector Triple Output Power Supply Assy	$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
57-500921-810	AS80/90 LCD Interface PCB	$100	$250
57-500964-810	Octal VGA Converter Assy	$300	$750
Vector, Vector Plus, and Frameworx Center Management Systems Assy. - Front Desk and Back Office			
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
57-300400-800	FW Cms Beep Speaker Assembly	$80	$200
57-863195-850	Elo Power Supply	$75	$150
57-863629-800	RF Amplifier	$75	$200
Slide Out Pinsetter Assemblies - GS NXT / GSX 360 / StringPin			
47-143021-800	Slide Out GS NXT Controller	$925	$1,225
47-142007-800	Slide Out, GSX 360 Controller	$925	$1,225
47-143003-820	GS-NXT Motor Control PCB 200-220 VAC	$213	$320
47-143003-840	GS-NXT Motor Control PCB 380-400VAC	$213	$320
55-860064-800	StringPin, V1 Controller, Slide Out	$395	No Preship
55-860072-800	StringPin, V2 Controller, Slide Out	$925	$1,225
55-143120-800	Boost ST, Slide Out	$925	$1,225
55-143008-830	StringPin High Voltage PCB 230V	$182	$260
55-143008-880	StringPin High Voltage PCB 380V	$182	$260
GS-X Pinsetter Assemblies (NexGen)			
47-142666-800	GS-X Nexgen LCD Display Assy	$122	$174
47-142708-800	GS-X Nexgen ESD I/O PCB	$164	$234
47-142750-800	GS-X Rear Display Assy	$456	$652
47-142736-820	GS-X Nexgen CPU PCB	$656	$937
47-142977-800	GS-X Nexgen to AS-90 Interface PCB	$100	$150
47-862852-810	GS-X Nexgen HV PCB (Mod)	$417	$596
GS-98 Consolidated Electronics Assemblies			
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 Assemblies			
57-500902-800	String Pinsetter Interface PCB 24-48V	$150	$300
57-500911-800	String Pinsetter Interface Assembly 24-48V	$250	$500

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Electronic Repair Part Number	Description	Exchange Price	Full Price
Telefoul / Ball Detect / Electronic Triggering /Lightworx / Miscellaneous Assemblies			
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
12-752400-810	Universal Electronic Trigger PCB	$125	No Preship
12-752408-810	Universal Electronic Trigger PCB	$80	No Preship
12-862585-810	Universal Diagnostic Trigger PCB	$80	$200
12-862890-800	Time Delay PCB	$98	$200
17-300237-800	ABW Control Center	$250	$750
17-300226-800	PBW Automated Bumper Controller PCB	$125	$250
84-860803-800	PBW II Automated Bumper Controller ASSY	$150	$250
53-600191-800	Intellifoul Assy *(replacement for 53-600045-800)*	$359	$501
53-600190-800	Intellifoul PCB Programmed	$225	$350
53-600045-800	Tel-E-Foul - Assy	$359	$501
53-600023-800	Tel-E-Foul PCB Programmed	$225	$350
53-600173-800	S.S. Telefoul PCB	$114	$250
53-600177-800	Infrared Telefoul Assy - Narrow	$96	$400
53-600177-803	Infrared Telefoul Sensor Block	$53	$100
53-600179-801	Infrared Telefoul PCB - Narrow		No Preship
99-087140-800	Ball Detect Assy V2	$59	$150
57-861237-800	Dual Output Ball Detect	$106	$300
84-200292-800	Lightworx Addressable Lane Module	$55	$190
84-200330-800	Lightworx Control Center	$275	$600
Scanners & Pin/Ball Sensing 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
57-860408-800	CCD Processor Assembly (Software Version)	$357	$1,000
57-860376-800	CCD Camera Tester No LCD Replacement	$313	No Preship
57-860407-800	CCD Camera Assembly	$351	$1,000
53-300188-800	1ST/2ND Ball LED PCB	$50	$75
Authority22 Lane Machine Electronic Assemblies			
14-100129-800	A22 Injector Driver PCB	$100	No Preship
14-100154-815	A22 Electrical Control Enclosure Assy 115V	$895	No Preship
14-100154-830	A22 Electrical Control Enclosure Assy 230V	$895	No Preship
14-100157-800	A22 Power Supply-Meanwell SP-500 Series	$199	No Preship
14-100357-800	Keypad-Graphics User Interface (A22/Envoy)	$139	No Preship
14-100176-800	A22 LCD Module	$295	No Preship
14-100177-800	UPS Assy - GUI (A22/Envoy)	$150	No Preship
14-100178-800	A22 Viper PC104 PCB - V2.3	$295	No Preship
14-100179-800	A22 Inverter PCB	$150	No Preship
14-100180-800	A22 Adapter PCB for Viper	$150	No Preship
14-100181-800	A22 Ethernet PCB	$150	No Preship
14-100285-815	A22 Regenerative Drive - 115V	$317	No Preship
14-100285-830	A22 Regenerative Drive - 230V	$317	No Preship
14-100362-800	A22 Graphical User Interface Assy (New Style: Software V1.03 or V2.0)	$1,095	No Preship
14-100089-800	A22 Motor Controller PCB Assy	$212	No Preship
14-100110-800	A22 Machine Controller PCB Assy (Software V0.33 or V1.01)	$395	No Preship
Authority22 Lane Machine Electronic Assemblies - continued			
14-100466-800	A22 Machine Controller PCB Assy (Software V1.01)	$395	No Preship
14-100596-800	A22 Motor Controller PCB Assy 2	$250	No Preship
14-100971-800	A22 Machine Controller PCB Assy 2	$395	No Preship
Envoy Lane Machine Electronic Assemblies			
14-101843-800	S5 Envoy+ Tablet with Mounting Bracket and Cables	$819	$1,165

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Electronic Repair Part Number	Description	Exchange Price	Full Price
14-101843-810	S6 Envoy+ Tablet with Mounting Bracket and Cables	$839	$1,185
14-100750-810	Envoy Machine Controller PCB Assy	$420	$1,000
14-100610-800	Envoy Motor Controller PCB Assy	$212	$600
14-100775-810	Envoy Electrical Enclosure	$895	$2,500
14-100822-800	Envoy Variable Speed Motor Control PCB Assy	$425	$425
14-100177-800	UPS Assy - GUI (A22/Envoy)	$150	$400
14-100583-800	Envoy Injector PCB Assy	$100	$600
14-100842-810	Envoy Graphical User Interface (GUI)	$1,095	$5,000
14-100857-810	Envoy Avantech PCB Assy	$395	$900
14-100908-800	Envoy GUI Compact Flash V.3.05	$195	$400
14-100934-800	Envoy Inverter-LCD	$150	$500
14-100984-800ER	Envoy Inverter-LED	$150	$500
14-100948-800	Envoy 24V/50A Output Power Supply Assy	$750	$900

MAX Lane Machine Electronic Assemblies

14-101842-800	S5 MAX Tablet with Mount Bracket and Cables	$819	$1,165
14-101842-810	S6 MAX Tablet with Mount Bracket and Cables	$839	$1,185
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

While Supplies Last

57-500316-810	Vector TV-Only Monitor PCB	$125	$250
57-500291-800	Vector Overhead Display Interface PCB	$150	$300
57-863574-800	Samsung 40" LED Monitor	$500	$1,000
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

Discontinued 04/01/2023

57-215213-810	Model "M" 5 Pin PCB Assy
57-215235-810	Model "S" Duckpin PCB Assy
57-215299-810	Model "P" 5 Pin PCB Assy
57-215299-811	Model "P" 5 Pin PCB Assy (Modified)
57-215587-810	Model "CA-1" 5 Pin PCB Assy
57-863033-800	Vector 40" NEC LCD4010 Monitor
57-863048-800	Vector 32" NEC LCD3210 Monitor

Discontinued 02/01/2023

57-863327-800	Vector 42" Olevia LCD Monitor
57-863328-800	Vector 37" Olevia LCD Monitor
57-863329-800	Vector 32" Olevia LCD Monitor
47-142806-800	GS-92 Gamesetter CPU PCB
47-142815-800	GS-92 Gamesetter I/O PCB
47-142807-810	GS-92 Smart Shark CPU PCB
47-142825-800	GS-92 Smart Shark Gamesetter I/O PCB
47-172903-800	GS-92 Universal Common Box PCB
47-162809-800	GS-92 High Voltage PCB
47-162839-800	GS-92 Smart Shark High Voltage PCB

Brunswick Bowling Products

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

Electronic Repair Center Assembly Traveler Form

Center Information

Name _____

Address _____

City _____ State _____ Zip _____

Customer No. _____ Install Date _____

Ship To:

Brunswick Bowling Products
Electronic Repair Center
525 West Laketon Avenue
Muskegon, MI 49441-2601
email: erc@brunswickbowling.com
Telephone: 231-725-3370
Fax: 231-725-4778

_____
Sent By

Part Name _____ **Serial No.** _____ **Part No.**_____

Lanes Affected ___ Odd ___ Even ___ Both **Malfunction** ___ Constant ___ Intermittent - How often? _____

Lightning Strike / Power Surge? _____

Failure Type (Check all that apply. Please be specific.)

Tablets / Consoles / Keypads / Bricks

___ Broken screen
___ No intercom audio to scorer
___ No intercom audio to desk
___ No communication to scorer
___ Console will not reboot
___ Hard drive failure
___ No power
___ No or wrong keyboard entry
___ No console video
___ Local LAN failure

Pinsetter Interface

___ Pinsetter will not turn on
___ Local LAN failure

Foul Units

___ Continuous foul
___ Continuous buzzer
___ No foul

A & A-2 Pinsetter

___ No trigger, first ball
___ No trigger, second ball
___ Wrong time delay

GS-Series Pinsetter

___ Gamemaker / Gamesetter trouble code
___ Solenoid malfunction
___ Motor malfunction

Pinball Wizard

___ No Communication
___ No Bumpers

LCD Flat Screen Displays

___ Broken bracket
___ Broken touch screen
___ Broken LCD display
___ No video display
___ No touch screen action
___ No power

Lane Machine

___ GUI battery dead
___ No communication
___ No power to GUI
___ Burnt traces on circuit board
___ No forward
___ No reverse
___ No duster motor
___ No buffer motor
___ White screen issues

Scanners & Cameras

___ All LEDs lit (locked up)
___ No new pin solenoid operation
___ No foul signal
___ Failed to score
___ Incorrect score
___ No take data signals
___ Blurry pins
___ Trips circuit breaker
___ Impact damage
___ No video on tester
___ No power
___ Constant ball detect
___ No ball detect signal
___ No data from scanner
___ Unable to calibrate/align
___ Can't adjust gain/bias pots
___ No scanner start
___ Incorrect motor operation

Hard Drives

___ Lock up / No Operation
___ Unable to Update
___ No Boot / Reboot

Additional Detail of Problem Observed: _____

_____

_____

_____

_____

This form may be copied or you may call the Repair Center for additional forms. rev 02/2019