

# LIFELONG WORLDWIDE BOWLING

## 2022 High Performance Catalog

(PDF VERSION)

Over a Thousand Genuine OEM replacement parts  
in center section priced below distributor cost!

Humpback Ball Return.....	2
Electronic Start Switch.....	4
Belt Saver "Green Thing".....	5
Belt Tension System .....	6
Hingless Front Roller.....	7
Rocket Rails .....	8
Duro Rings .....	9
Light Ball Clutch.....	10
Specialty Parts .....	11
Foul Light Unit .....	12
Ball Trigger .....	13
C2A Tester .....	14
ASU-70 .....	15
Lane Minder 2.....	16
Lane Minder 2 Plus.....	17
Lane Minder Shutdown .....	18
Auto Switch Kit.....	19
Track Saver Gear.....	20
Price Sheet.....	21

The OEM product insert in the middle of this manual is listed  
by part number only and shows no pictures of our items.  
Our prices are listed wholesale, so look up the part in any retail book then  
call us for the order

and

## SAVE BIG TIME DIRECT!

---

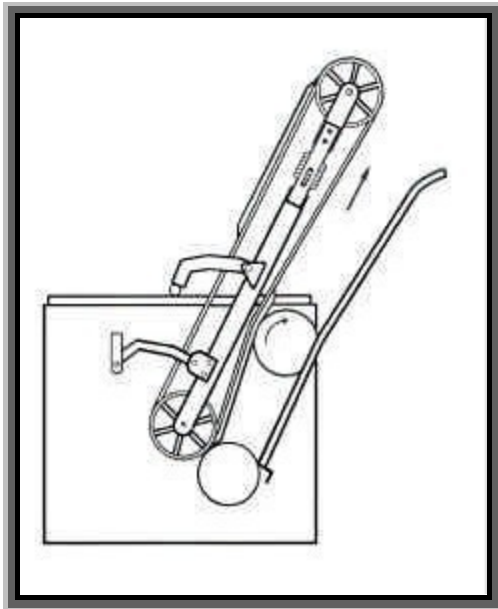
[www.bowlingproducts.com](http://www.bowlingproducts.com)

TOLL FREE 1-877-235-8300

# Tired of Ball Calls?



## Get A Humpback!



So good it's patented!

***The Humpback gets the Ball Back,  
EVERYTIME!***

- Installed in 46 states and 11 other Countries.
- Eliminates the need for kickers and PBL's.
- Completely eliminates all ball calls due to lane oil.
- Belt and paddle are the only moving parts.
- Low Maintenance, Repairs, and Downtime.
- Toll Free number for technical support.
- Easy Installation.

Order Part No. **HBK**

## Exclusive Humpback Features

- **Adjustable Lower Support** ensures perfect alignment of your ball lifts.
- **Red Wing Paddle** Specialty Paddle designed for use with any machine.
- **10-Year Warranty.**
- **30 Day Money Back Guarantee.**






*Guaranteed to work better than any other Ball Return System on the Planet!*



## HUMPBACK BALL RETURN PARTS

*HIGH PERFORMANCE SPECIALTY ITEM*



PART #	DESCRIPTION		PART#	DESCRIPTION	
LL 300-001	Humpback 300 Belt		LL 300-008	Rear Support Bracket	
LL 300-002	Adj. Lower Support		LL 300-009	Rear Filler Bracket	
LL 300-003	Lift Assembly		LL 300-012R	Red Wing Paddle	
LL 300-004	Rail Bracket		LL 300-015K	Hardware pack	
LL 300-005	Duro- Ring RH		LL 300-017	Delta Spacer	
LL 300-006	Duro- Ring LH		LL 300-021	Rear Bracket Spacer	
LL 300-007	Shock Spacer		LL 300-022	Rail Cover Ends	

# Electronic Start Switch

There are BIG differences in this start switch!



ONE TYPE SWITCH FOR ALL YOUR MOTORS!



- For Back End AND Front End Motors
- Electronic Start AND Stop
- Does Away With ALL Internal Motor Switches
- Needs No Internal Centrifugal Mechanism
- Everything is now an "External Plug in Device"
- One Quick replacement – "Plug in Unit" Does it all
- Cuts Power if Klaxon Fails – "Internal Thermal Fuse"
- Saves: Time, Money and Labor
- Ultra Reliable Electronics – Heavy Duty Type
- SIMPLY PUT, it works better than anything else!

Order Part No. LL 300-401

These parts are obsolete and no longer needed!

## Motor Switches



## Centrifugal Mechanisms



Replacement for all current Start Switches, Potential Relays – AND – all Mechanical Parts.

# Belt Saver The “*Green Thing*”

Worlds first system that dramatically helps prevent ball lift belts from popping off as it controls down rail speed.



- Designed in 2 separate halves to accommodate any size V.
- Roller guides prevent the belt from twisting and walking off the pulley.
- Ability to adjust ball speed coming off the aril and onto the down sweep.
- Reduces spinning by applying more pressure on the ball against the uprails.
- Prevents belt from skidding on the pulley as ball passes, “dramatically” reducing wear on the V.
- Allows ball lift to raise higher creating wider spaces between up coming balls, reducing underlanes.
- Patent Pending.

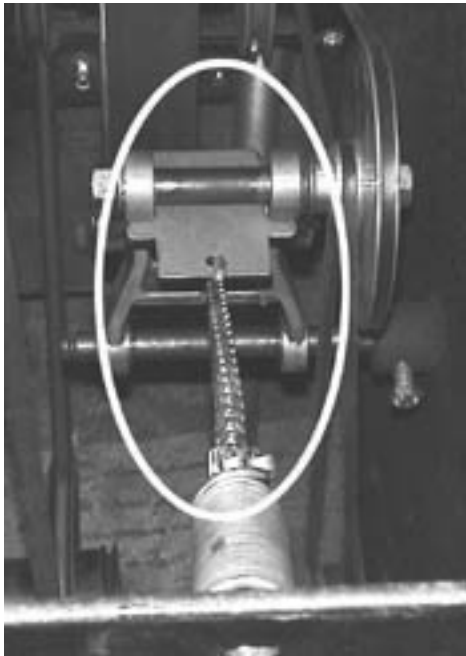
Part # LL 300-275

Manufactured By:



[www.bowlingproducts.com](http://www.bowlingproducts.com)  
1-877-235-8300

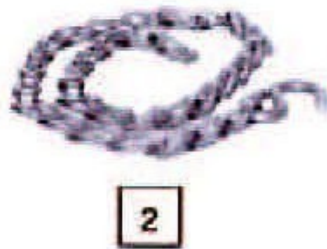
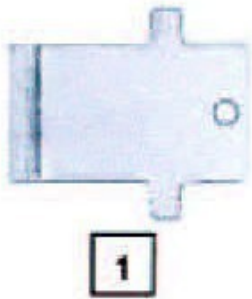
## Belt Tension System



- Easy Installation – Clips Right in place without having to remove unit.
- Designed to pull up and out, providing even tension of both rudder drive belts.
- Amount of tension is easily adjusted.
- Tension bracket is zinc plated for long life.
- Comes with Chain Assembly, Support Bracket, and Tension Bracket.

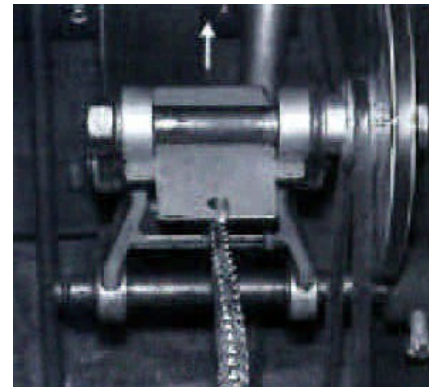
**Part # LL 300-322**

**HIGH PERFORMANCE SPECIALTY ITEM**



Item	Part#	Description	Item	Part #	Description
1	LL 300-322-001	Tension Bracket	2	LL 300-322-002	Chain Assembly
	LL 300-322	Belt Tension System (complete)	3	LL 300-322-003	Support Bracket

1. Install support bracket onto the back of kickback assembly.
2. Insert S-hook of the chain assembly into the hole in the tension bracket.
3. Insert your tension bracket into belt tensioner as shown.
4. Hook a kicker spring from the end of the chain assembly into the center hole of the support bracket.
5. Tension can be adjusted by moving the kicker spring up or down the links of the chain.



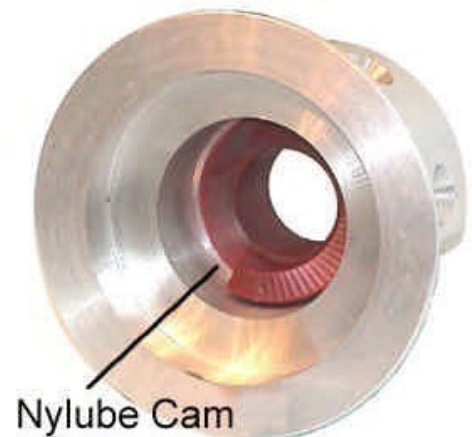


## The World's First **Hingeless Front Roller**

- No links or hinges to wear out.
- True tracking with any carpet belt.
- Carpet will always track toward the ball exit.
- Dramatically extends carpet life.
- Automatically actuates to each carpet drift.
- Even old carpets with trimmed edges will track towards the exit.
- Cuts labor and parts cost.
- Uses your existing front roller body.
- Comes with everything you need to convert an odd or even machine.
- Patent Pending.



Part #  
LL 300-301



### ***How It Works***

Our new roller moves around and back and forth without the need for hinges or bearings. Our Front Roller can do this because we use a material called Nylube (oil impregnated nylon). This industrial type nylon is so strong it outwears steel!

The roller may look like the old style on the outside, but is very different inside. Instead of hinges, we use a solid piece that runs from one kickback to the other. There are two solid steel pieces that sit in the bearing supports instead of bearings. The center section doesn't move at all.

Each end of the roller uses a Nylube core with a machined end that inclines to 90 degrees of its rotation. This incline acts as a cam, and it's the cam that pushes the roller away from the exit as the carpet drifts. The stationary core has a cam follower on it. The carpet is allowed to drift toward the exit until the Nylube cam contacts the cam follower, and then gets pushed away. It's that simple and it doesn't rely on the carpet pushing against the edge of the roller to make it work. This is a tremendous advantage for extended carpet life.

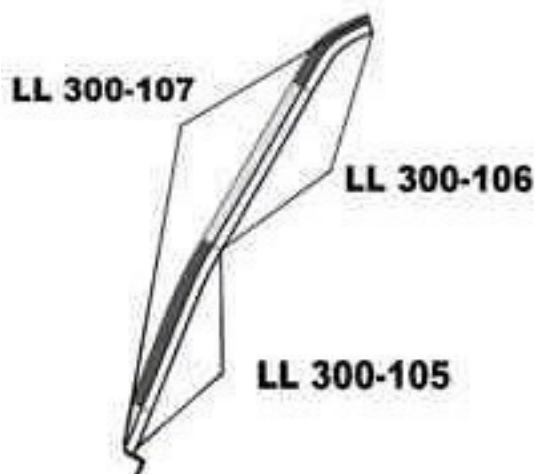
**HIGH PERFORMANCE SPECIALTY ITEM**

# High Performance **ROCKET RAILS**

By  
Lifelong Worldwide, Inc.



- Concave design creates 1 1/4" surface area.
- Textured surface allows for additional grip.
- Reduces oil accumulation.
- Material repels oil and has the grip rubber and the durability of urethane.
- Open back eliminates the difficulty in reinstalling rails due to kickback being in the way.
- Specially designed to self-center as ball goes up, The stay aligned.
- LL 300-105 will match up to existing covers, allowing use of current covers to reach from the bend up to the down sweep.
- Bottom section is tapered for easy transition and is less likely to split.
- All sections have molded openings, so it is not necessary to remove rails to change the covers.
- Inside texture grips uprail and secures with wire ties.
- The ONLY uprail covers with an "active oil control system" allowing for optimum oil emulsification.
- Patent pending.
- Covered by a 1-year warranty!



## HIGH PERFORMANCE SPECIALTY ITEM

Part#	Description	Application
LL 300-107	Rocket Rails - Complete set	Covers entire track
LL 300-105	Rocket Rails - lower set	Covers from bottom to bend in track
LL 300-106	Rocket Rails - Upper set	Covers from bend to the top

Other covers are made from off the shelf material that is used for a variety of applications. The material in Rocket Rails was designed specifically for one application in mind – A better running machine with less ball calls.

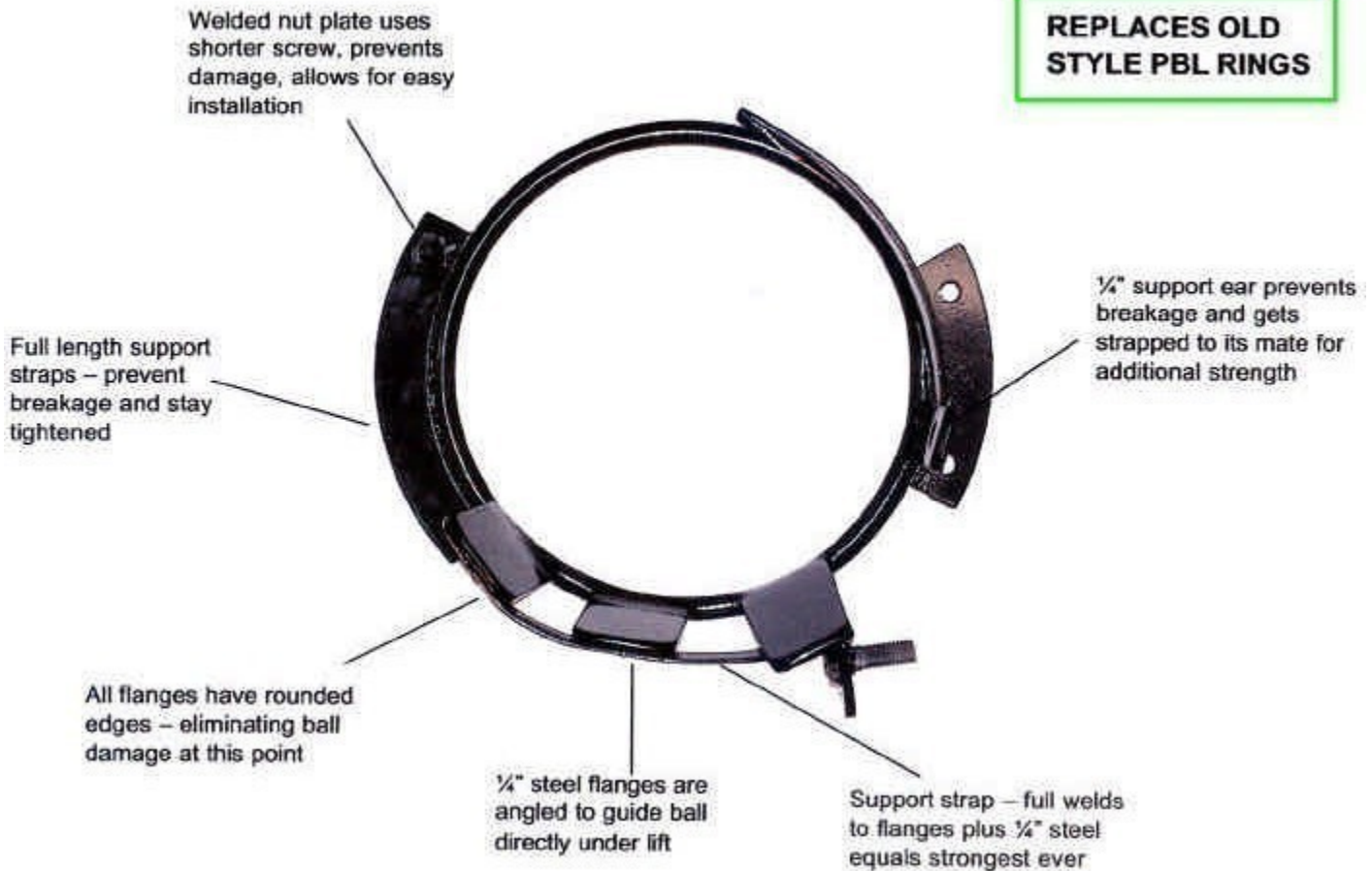


1-877-235-8300



# The "DURO-RING"

## *The Toughest Door Weldment Ever!*



Part #	Description
DURO	Duro-Ring (Set)
LL 300-005	Duro-Ring (odd)
LL 300-006	Duro-Ring (even)



**Lifelong  
Worldwide  
Bowling  
Inc**

*Leaders in high performance Specialty Parts*

**1-877-235-8300**

**SO TOUGH IT'S BACKED BY A 10 YEAR WARRANTY!**

# ***Light Ball Clutch***

*From*



**Lifelong  
Worldwide  
Bowling  
Inc**

*Leaders in high performance Specialty Parts*

**www.bowlingproducts.com  
1-877-235-8300**



***Replaces Light ball Sensors and Spring Shocks!***

- Eliminates all light ball problems.
- No more pins in the door.
- Fewer moving parts.
- No more expensive light ball sensor repairs.
- No more delays or kickouts which are common with spring shocks.
- Made from precision machined aluminum and cold finish steel for durability.
- Shafts and hub assemblies are nickel plated for longevity.
- Little or no maintenance required.
- Two models available to replace hydraulic and spring shocks or light ball sensors.
- Patent Pending.

## **HIGH PERFORMANCE SPECIALTY ITEM**

<b>Part #</b>	<b>Description</b>
LL 300-201	Replaces spring or hydraulic shocks on Kickers, Humpbacks, and Mini-PBL's
LL 300-202	Replaces the light ball sensors on PBL's

# High Performance Specialty Parts



From

**Lifelong  
Worldwide  
Bowling  
Inc**

*Leaders in high performance Specialty Parts*

## Adjustable Lower Support



LL 300-002

- Newly redesigned. You can make your adjustments in minutes right on the machine!
- Achieve the perfect "tweaked" angle on your ball lift.
- Enables you to apply more pressure on the uprails.
- Replaces part # 070-011-002.

## Reduction Pulley



LL 000-022-063  
LL 030-008-689

- Slows down paddle speed to allow extra time for light balls to enter.
- "V" of the pulley is narrower than standard pulleys allowing belt to wedge in and reducing slippage.
- Version for both 82/70 (shown) and 82/30.

## Duro-Ring



LL 300-005 RH  
LL 300-006 LH

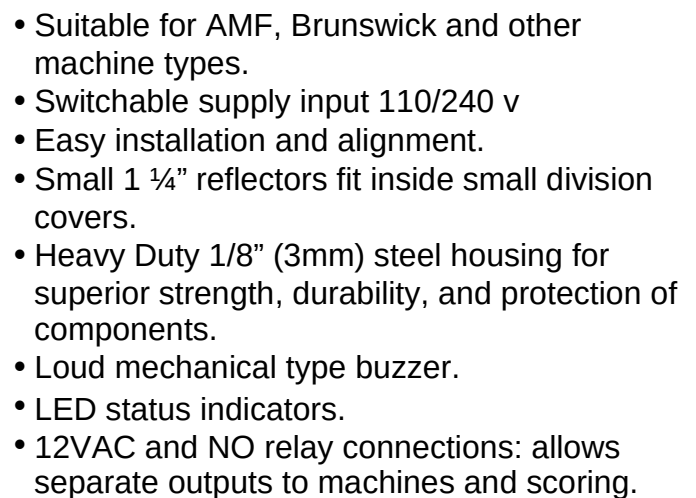
- The most heavy-duty weldment on the market today – **Period.**
- Easy to install.
- Special baked on finish to prevent ball damage.
- 10-year warranty.



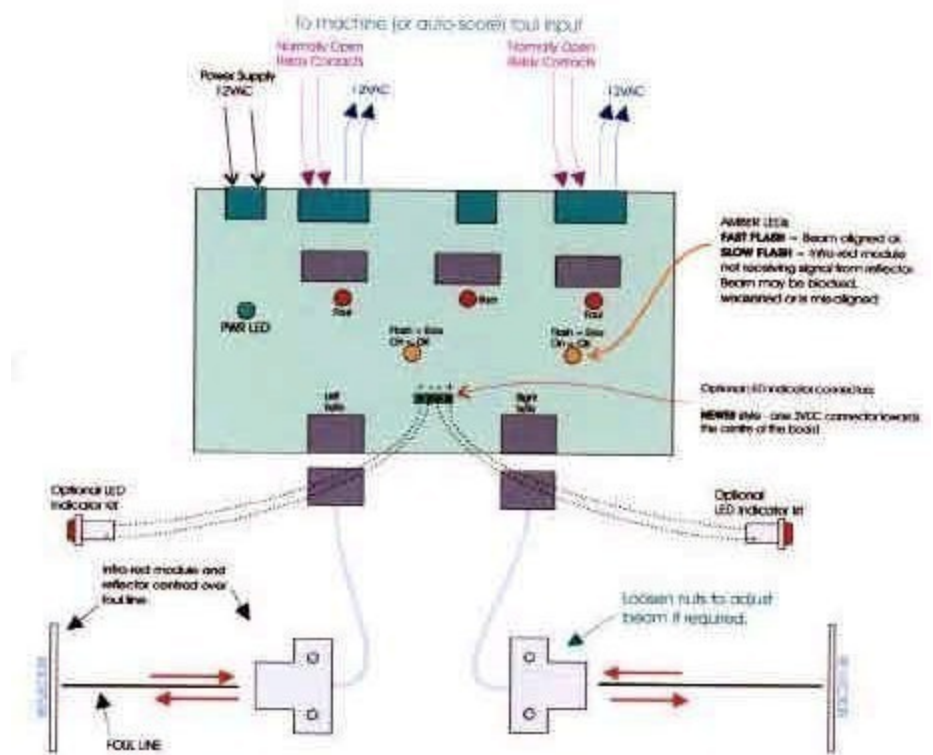
**Lifelong Worldwide, Inc.**

Toll Free 1-877-235-8300

# Infra-Red Foul Light Unit



All parts and components  
are available separately.



12



# LIFELONG WORLDWIDE BOWLING

## Infra-Red Ball Trigger

For AMF Pinspotters

(Also suitable for Brunswick A machines without electronic time delay)



**BREAKOUT BOX**

- Mounts on curtain wall.
- Connects to CYCLE terminals in A&MC box.
- Daisy chains 12VDC power from previous unit to the next unit.

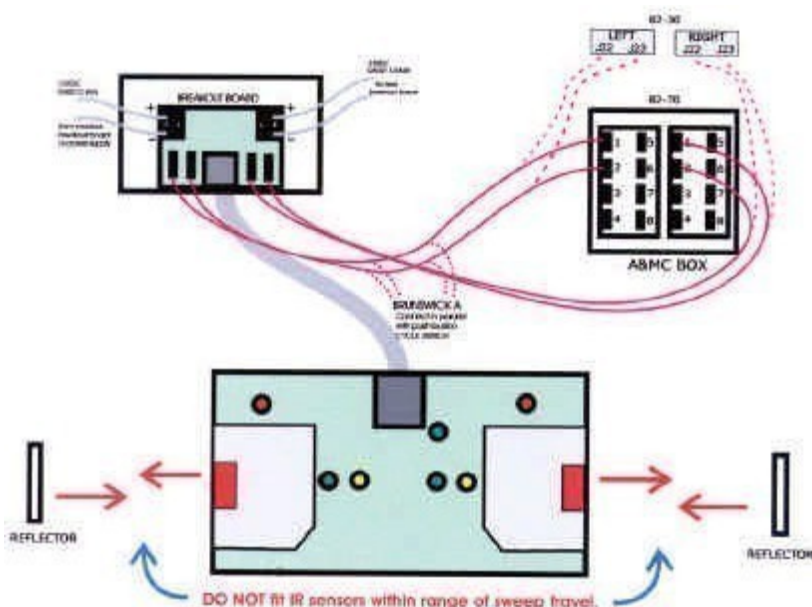
The infrared ball trigger will cycle the machine when the cushion SS won't.

It is sensitive to very slow ball speeds and will eliminate many customer complaints. This will free up staff to do the more important things and give those very young patrons (and their parents) a much more positive bowling experience.

**Simple Design - Budget Priced - Easy Installation**



- Microprocessor Controlled.
- Plugging in a new chip can easily change timing and other functions.
- Modular design – everything plugs in
- Quick and easy to install.
- One single 12V supply required to run an entire center of units. (sold separately)



### Safety Feature –

The unit will not trigger if the beam is broken for longer than a slow ball pass.

In most circumstances a lane machine or person will NOT trigger the machine.

*Time delay is determined by ball speed  
Slower ball – longer delay  
Faster ball – shorter delay*

Proudly manufactured for LIFELONG by cybernetic solutions. For more information, go to [www.tenpintech.com](http://www.tenpintech.com)

# LIFELONG WORLDWIDE BOWLING

Order Part # **LL-C2A**

## C2A Tester

Order Part # **LL-C2A**

For AMF 82/70 Pinspotters

The C2A Tester is essentially is a continuity tester which, by way of it's innovative design, can test most of the low voltage circuits of the AMF 82-70 Pinspotter simultaneously.

### TESTING PROCEDURE:

#### Turn off power to machine and disconnect Russell-Stoll connector

Unplug C1 and C2A plugs from machine chassis.

Install 9 V battery in rear compartment of C2A tester.

Plug C2A Tester into C2a wiring harness plug.

Several LEDs on front panel of C2A Tester will light up

Lit LED'S indicate a complete (closed) circuit

To fully test all switches simply, operate each switch on the machine and monitor the LED's on the C2A Tester  
To verify that all wiring is intact and that NO and NC Contacts (where appropriate) work correctly.



CB (larger white switch on Backend Control Box) has two circuits going through it connected to terminals A&B and C&D.

MGR CTRL is Managers Control. The circuit is normally switched from the front counter (these days often by computer interface)

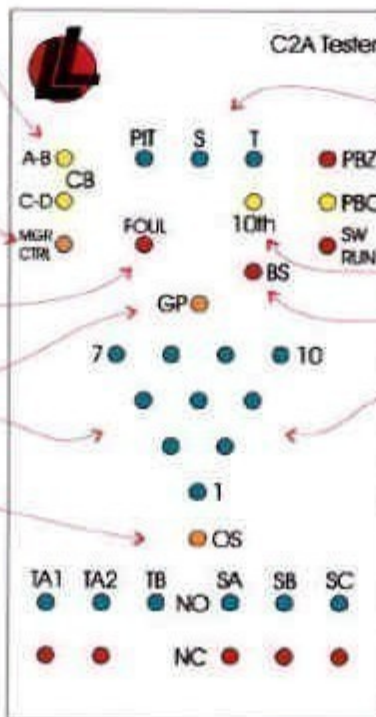
FOUL - this indicates the signal from foul unit. Go up front and commit a foul to make this indicator light up. If require the foul lights to be turned on. The tester uses the foul light power to light up the indicator.

GP is Gripper Protection switch

1 to 10 are the GS (Gripper Switches) all are found on the table

OS is Off Spot switch located on front inside of machine frame.

TA1 cam switch senses table at 180 and 300 degrees  
TA2 cam switch senses table at 240 and 300 degrees  
TB cam switch senses table between 105 and 255 degrees (Interlock)



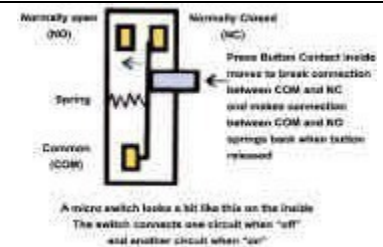
With the exception of MGR CTRL, FOUL and 10th (frame), all indicators are positioned on the C2A Tester relative to where they are located on the actual 82-70 Pinspotter

Backend Control Box switches  
PBZ (Push Button Zero)  
PBC (Push Button Cycle)  
SW RUN (silver toggle switch)

10th is the 10th Frame (reset) switch on the ball return  
BS is the Bin Switch located under the lower of the 9 pin position on the bin.

The wires from each switch go to the Table Plug which is near the back right of the table (when looking from the back) the Table Cable then runs up from the Table Plug into the front wireway of the machine.  
The wires plug into a terminal strip there. Another bunch of wires connects the terminal strip to the C2A Plug.

SA cam switch senses sweep of 0 and 270 degrees  
SB cam switch senses sweep of 66 and 186 degrees  
SC cam switch senses sweep between 86 and 243 degrees (Interlock)



#### Additional Notes:

**TA1 and TA2:** in some places around the world. It has become common to swap the wires between these two switches on machines with SS chassis and AMF accucam installed. If this has occurred on machines being tested, the T1a LED will light the T2A cam switch is activated, and vice versa.

**Interlock:** Both SC and TB will always light together since they are connected in the machine wiring.

**Foul:** To test the foul circuit, turn on the foul lights and have someone step on the foul line to simulate a foul condition. The 12 VAC signal from the foul unit will cause the FOUL LED to light

Longer Cable available **ONLY** from Lifelong International Bowling



# LIFELONG WORLDWIDE BOWLING

## ASU-70

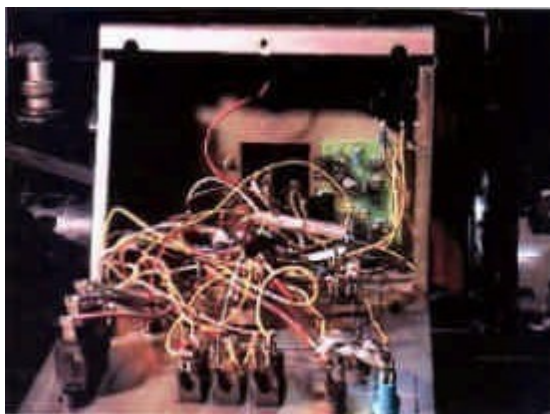
Automatic Switch Unit



**Automatically shuts off power to backend motor and/or ball return of the AMF 82-70 Pinspotter after a user programmable time of bowler inactivity**



- Saves Electrical power.
- Saves wear and tear on machine parts.
- Reduces unnecessary noise in the pit area



Microprocessor Controlled.

Can be fitted either inside the chassis or inside the rear control box.

Works with MP chassis.

Quick field installation.

Incorporates independent on-off circuits for backend and ball return.

12-month warranty.

Solid-state components.

High intensity LEDs supplied – can be fitted to control box or chassis to warn that machine is in “standby mode”.

Audible warning before backend and ball return motors start up.

Includes a fitting kit.

Can be easily set to continuous run for maintenance purposes.

Wiring harness plugs into top of board for easy fitting or removal.

# LIFELONG WORLDWIDE BOWLING

## LaneMinder 2

The tenpintec LaneMinder2 is an infrared system designed to warn center staff when an unauthorized person enters the lane area.



**Standard unit spans up to 40 lanes!**

- Microprocessor controlled.
- Visual and audible warning when safety beam is broken.
- Fitted with override buttons to enable staff to carry out maintenance duties – automatic re-activation after an adjustable elapsed time.
- High quality Dual beam infra-red units reliably cover up to 40 lanes.
- Easy installation – new simplified wiring using RJ45 connectors.

**Additional external wiring units (visual and audible) can be connected.**

### LaneMinder2 – Standard

Single beam warning system. Triggers loud built-in electronic buzzers and high intensity LED array to alert staff and patrons that a person has entered the lane area. Additional buzzers and warning lights can be easily added.

### LaneMinder2 – Plus

Two beam, 2 stage warning and machine safety shutdown system. First stage beam warns when a person enters a lane area. Second stage beam, situated just in front of the mask unit line, will shut down all machines if the person continues down the lanes to the end.

### LaneMinder2 – Standard kit contains

- Control Box – to be situated at control counter, fitted with electronic buzzer, High brightness flashing LED array for warning when the system has been triggered. Also has temporary time-out control buttons.
- Power supply (12VDC) – to run system.
- Transmit Unit – situated at one end of the lane area. Fitted with electronic buzzer and beam status LED.
- Receive Unit – situated at the other end of the lane area. Fitted with electronic buzzer and beam status LED.
- 100 meters of Cat-5 cable to connect components. (2 X 30meters and 2 X 20 meters) Plug in joiners are also supplied so that the main wiring simply “clicks” together.

IR units are fitted with push button over-ride switches to enable staff to pass by without setting off the alarm. Auto resets system after 20 seconds (or 40 seconds with a LaneMinder 2 Plus)



✦ The Transmit and Receive Units can be wall or pole mounted



Laneminder 2 uses standard Cat-5 cable with pre-fitted RJ-45 plugs to connect the main components of the system, making installation quick and simple

Proudly manufactured for LIFELONG by cybernetic solutions. For more information, go to [www.tenpintech.com](http://www.tenpintech.com)

# LaneMinder 2 Plus



## LaneMinder 2 – Plus Kit contains:

- A LaneMinder 2 – standard kit as described in page 1.
- Plus:**
  - A second Transmitter and a second Receiver unit to be mounted on the side walls near the mask unit line.
  - 180 meters of cat-5 cable to connect components. (9 pcs. X 30 meters)
  - Cutout Control Module – Described in detail on page 3. Required for use with cutout-2 Modules.
  - Cutout-2 or Cutout-8 Modules as determined by the number of lanes. Modules are supplied with a pre-made Cat-5 cable to daisy chain them together.
  - A second 12VDC power supply to run all the cutout modules.

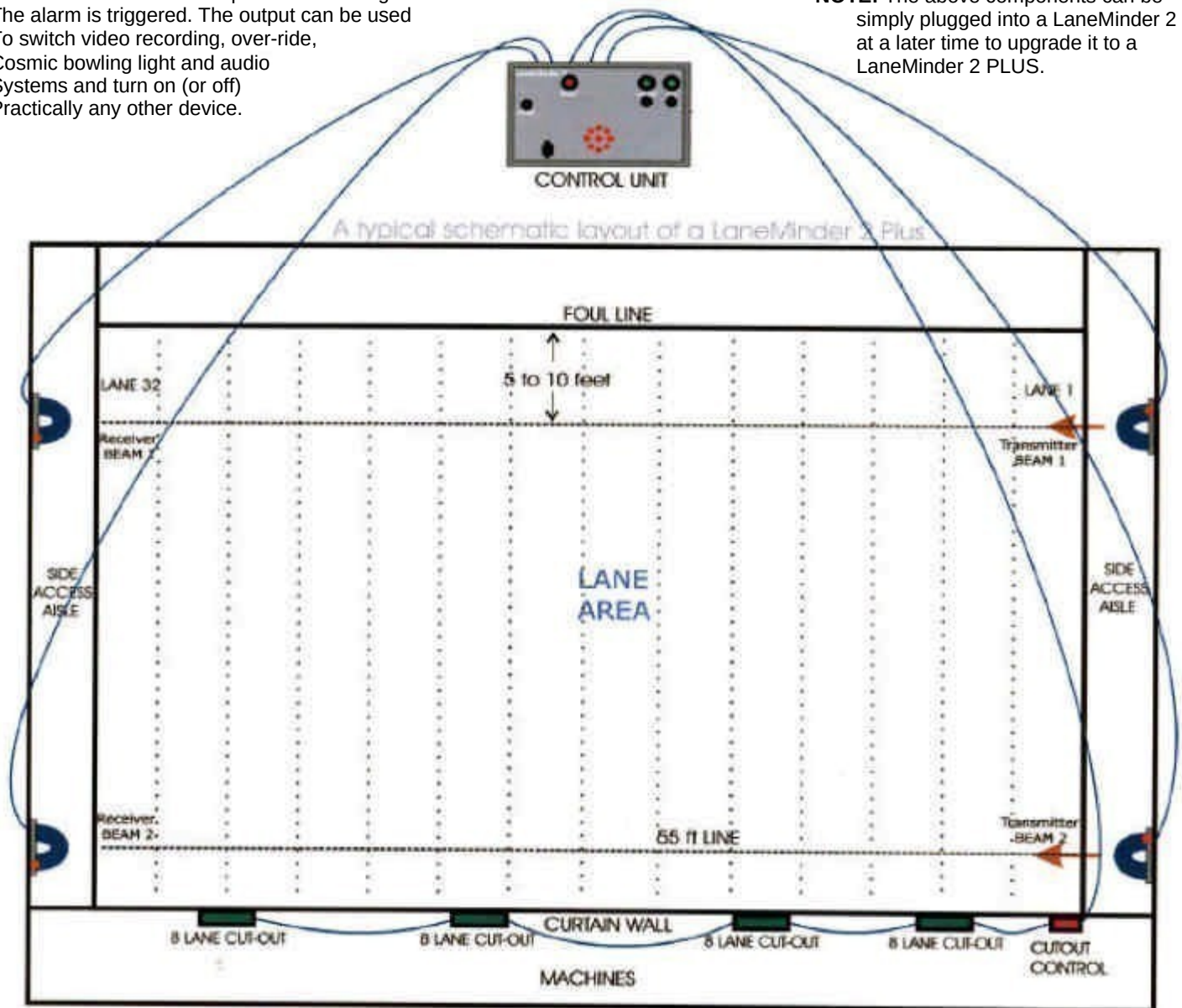
### What do the buttons do?

**RESET** – resets all functions to zero Turns lanes back on after a cutout event.

**LANES** – Auto reset time delay. Disables LaneMinder II for approximately 30 minutes allowing staff to walk down lanes to retrieve stray pins etc...

The LaneMinder 2 also outputs a 12VDC signal when The alarm is triggered. The output can be used To switch video recording, over-ride, Cosmic bowling light and audio Systems and turn on (or off) Practically any other device.

**NOTE:** The above components can be simply plugged into a LaneMinder 2 at a later time to upgrade it to a LaneMinder 2 PLUS.





# LaneMinder 2 Machine Shutdown System



## Cutout-2 Module

One module per pair of lanes is required to shut down the machines when the LaneMinder2 beam is broken in sequence after beam 1.

Vertical male ¼" push-on terminals on the board make it easy to connect either the managers control or mask switch wires.

The cutout-2 module is powered from the 12Vdc, which is present in the Cat-5 cable. No additional power source is needed.

## Cutout-2 or Cutout-8? Which is right for you?

Cutout-2 module will control a pair of lanes – or anything else you may want turn off while the LaneMinder is triggered.

**OR**

Cutout-8 has been designed for use in those centers where the Managers Control Circuits have an 8 lane block can be conveniently found in junction boxes often mounted on the machine side of the curtain wall.

## Cutout Control module

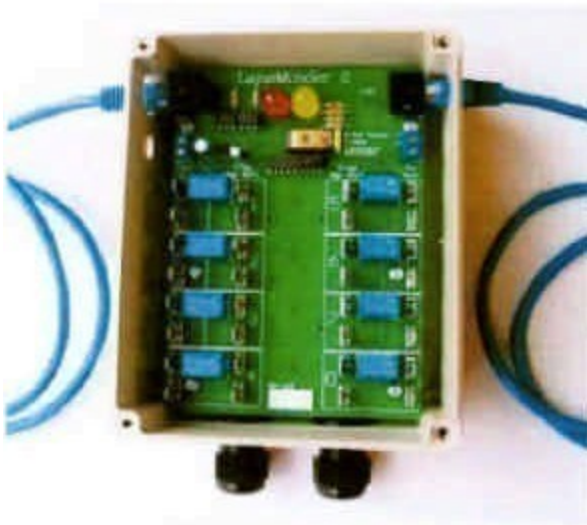
One module required for LaneMinder installation where more than one cutout-2 module is used.

A suggested mounting place for this module is adjacent to the most often used door between the back end and the lane area. The cutout control Module is the first module in the cutout daisy chain from the main control module.

It is powered by 12Vdc down the line via the Cat-5 cable AND from the regulated 12Vdc power supply which comes with the cutout kit.

**YELLOW LED** – indicates STANDBY, where the machines are allowed to run normally.

**RED FLASHING LED** – Indicated LaneMinder second alarm has been activated and cutout circuit has been energized. Pinsetters and Pinpotters also have been shut down.



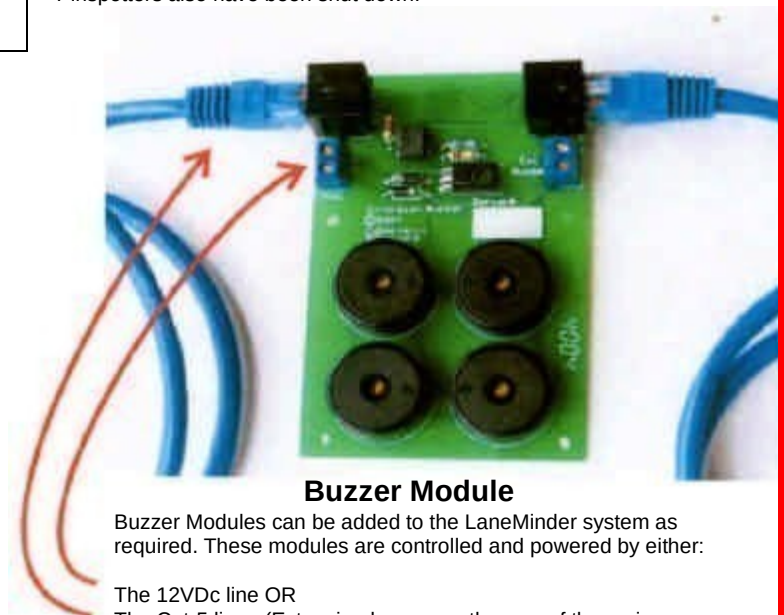
## Cutout-8 Module

One module per 8 lanes is required to shut down the machines when the LaneMinder2 beam is broken in sequence after beam 1.

A cutout control Module can be added to the circuit to enable a remote RESET and LANE button to be added

This module is most suitable where there are existing 8 lane Managers Control distribution boxes mounted on the curtain wall. The module can be mount adjacent or even replace the distribution box.

Each cutout-8 module is powered by a 12Vdc power supply included. The power cable is daisy chained from unit to unit along with the Cat-5 communication cable.



## Buzzer Module

Buzzer Modules can be added to the LaneMinder system as required. These modules are controlled and powered by either:

The 12Vdc line OR

The Cat-5 line. (Extension buzzer on the rear of the main LaneMinder 2 control module]

Remote Control

2 function

LANE and RESET

Receiver unit plugs into Circuit Control module

comes with 2 keychains.



# LIFELONG WORLDWIDE BOWLING

## Auto Switch

The  
"Auto Switch Kit"  
For All 82/30 Machines



By Lifelong Worldwide  
[www.bowlingproducts.com](http://www.bowlingproducts.com)

Saves Wear and Tear on :

Back End Motor–Pin Elevator–Distributor–Carpet–Rollers and "ALL" Ball Return Parts

"Electrical Savings"

BY

"Electrical Savings"

**Automatically shutting off the motor during inactivity**

Three  
Position  
Switch



Original Mode

Allows for normal motor operation – Red light off and Backend on constant.



Lockout Mode

Feature to lock out the other two modes and shuts down motor.



Automatic Mode

Adjustable timer with normal settings of 1 to 2 minutes. Turns motor off until sweep triggers motor and red light on.

*This product is constructed of heavy-duty relays and switches and No electronics. Easy understanding and hookup makes this perfect for maintaining and operating for the longer life of your machine. All while saving electricity and cutting down noise*

# LIFELONG WORLDWIDE BOWLING

[www.bowlingproducts.com](http://www.bowlingproducts.com)

Toll Free 1-877-235-8300



Toll Free 1-877-BELT-300

## “Track Gear Saver”

Order #



LL 300-432

## For 82/30 Distributors

**This Gear replaces Part Number  
000-026-863 Gear, Head Drive**

**The limited availability of good 82/30 Distributor Tracks,  
PLUS the cost of a new one make this product a MUST  
BUY for every unit in the house!**

**The heat-treated ultra durable urethane will NEVER wear  
out the distributor track like the steel gears!**

**ORDER PART NUMBER LL 300-432**



# LIFELONG'S HIGH PERFORMANCE AND SPECIALTY ITEMS

High performance parts are items that are improved on in one way or another from the original designed equipment, original parts were designed between the 1930's and 1970's. With the advent of new materials and methods of manufacturing, great improvements have been made to many of our items.

These improvements last longer, work better, and cut down on the overhead by reducing part replacement, labor, and down time. They sometimes cost a little more, but you get what you pay for. When something lasts many times longer, and works better, the slightly higher cost is insignificant. Lifelong is recognized as the industry leader in high performance parts.

## Hingeless Front Roller

LL 300-301	Front Roller	\$397.75
LL 300-301-001	Support Collar	\$8.04
LL 300-301-002U	Left Hand Cam	\$42.83
LL 300-301-003	Cam Housing	\$101.04
LL 300-301-004	Cam Shaft	\$10.51
LL 300-301-005	Shaft	\$44.00
LL 300-301-006	Connecting Angle Iron	\$12.99
LL 300-301 RE	Roller End With Cam	\$165.08
LL 300-301-007	Cam Silencer	\$7.16

## Belt Saver "Green Thing"

LL 300-275	The Green Thing	\$69.00
LL 300-275-001	Adjuster Plate	\$14.00
LL 300-275-002	Large Brass Spacer	\$12.70
LL 300-275-003	Roller Guide	\$23.10
LL 300-275-004	Small Brass Spacer	\$10.87
LL 300-275-005	Shaft	\$13.10

## C2A Tester

LLC2A	C2A Tester	\$175.00
-------	------------	----------

## Rocket Rails

LL 300-101	3" Rail	\$7.16
LL 300-102	19" replacement R.R. section	\$42.17
LL 300-103	11" section for Rocket Rails	\$25.45
LL 300-105	Rocket Rails (1/2 set lower)	\$135.56
LL 300-106	Rocket Rails (1/2 set upper)	\$144.93
LL 300-107	Full Set for AMF	\$238.80
LL 300-024	Textured Rail Cover	\$6.13
LL 300-022R	Rubber Tapered Rail Cover (set of 2)	\$12.02
LL 300-109	Rocket Rails for Brunswick	\$197.57
LL 300-109WT	Package of 81 wire ties	\$ 19.85

## Adjustable Lower Support

LL 300-002	Adjustable lower Support	\$71.33
------------	--------------------------	---------

## Belt Tension System

LL 300-322	Belt Tension System	\$24.67
LL 300-322-001	Tension Bracket	\$17.90
LL 300-322-002	Chain Assembly	\$4.80
LL 300-322-003	Support Bracket	\$10.00

## Light Ball Clutch

LL 300-201	Light Ball Clutch	\$224.11
LL 300-202	Light Ball Clutch (replace LBS)	\$189.21
LL 300-210	Crank Pulley for LBC	\$43.26
LL 300-212	Torsion Spring	\$4.75
LL 300-213	7/16 Spring Collar	\$12.29
LL 300-214	Brass Spacer	\$3.30
LL 300-215	5/8 Spring Collar	\$8.89
LL 300-216	F. Crank for (LBC 201)	\$38.80
LL 300-217	M. Crank for LBC	\$33.07
LL 300-219L	Rod End LH	\$13.79
LL 300-219R	Rod End RH	\$13.79
LL 300-220	Threaded Rod Link	\$12.88
LL 300-221	F. Crank for 300-202	\$33.71
LL 300-222	Urethane Stop for LBC	\$6.75
LL 300-223	Tube for LBC	\$29.10
LL 300-225	3/8" Jam Nut	\$0.50
LL 300-226	7/16 Fiber Washer – Pkg of 4	\$1.29
LL 300-229	Crank Plate	\$39.29

## Door Weldment Rings

DURO	Duro Ring Full Set L/H & R/H	\$287.00
LL 300-005	Duro Ring RH (even)	\$147.00
LL 300-006	Duro Ring LH (odd)	\$147.00
LL 300-014	Hardware Package	\$11.95

## Pulleys

LL 000-022-063	Red. Pulley 82/70 (1/4" Belt)	\$33.99
LL 030-008-689	Red. Pulley 82/30 (1/4" Belt)	\$43.26
LL 070-011-131	Red. Pulley 82/30 (3/8" Belt)	\$39.55

## Paddle

LL 300-012	Humpback Paddle	\$45.42

## Distributor Gear

LL 000-026-862	Gear, Head Drive	\$24.66
----------------	------------------	---------

***This is a special urethane distributor head gear for 82/30 distributors. It is Durable, Inexpensive, and will never wear out the distributor track around the ten pin***

LL 300-401	Electronic Start Switch	49.90
LL 300-432	Gear, Head Drive	24.97
LL 300-501	PBL Fix Kit	265.00
LL 300-010	Bracket Assembly	443.85
LL 300-015K	Hardware Package (HBK)	25.00
LL 000-022-063	Reduction Pulley 82/70	33.00

## Humpback Ball Return System

HBK	Humpback Ball Return System	\$919.85
LL 300-001-COG	Humpback Belt - COG	\$375.00
LL 300-001F	DURO Belt Flat	\$225.00
LL 300-002	Adjustable Lower Support	\$71.33
LL 300-003	Lift Assembly	\$144.00
LL 300-003P	Spare Pad for Lift Assembly	\$27.48
LL 300-004	Rail Bracket	\$66.00
DURO	SET OF DURO RINGS	\$287.00
LL 300-005	Duro-Ring - ODD SIDE	\$147.00
LL 300-006	Duro-Ring - EVEN SIDE	\$147.00
LL 300-007	Shock Spacer	\$4.90
LL 300-008	Rear Support Bracket	\$74.40
LL 300-009-F	Rear Filler Bracket	\$22.44
LL 300-012	LIFELONG PADDLE	\$45.42
LL 300-015P	Hardware Package (HBK)	\$25.00
LL 300-016	Installation Template	\$54.93
LL 300-017	Delta Spacer	\$32.12
LL 300-021	Rear Bracket Spacer	\$5.37
LL 300-022R	Soft Tapered Rail Cover (Set of 2)	\$12.02
LL 300-024	1 " Textured Rail Cover (Set of 2)	\$8.00
LL 300-101	3" Open Backed Rail End	\$13.97
LL 300-102	19" Repl Sect for Rocket Rails	\$42.17
LL 300-103	11" Repl Sect for Bruns. Rocket Rails	\$25.45
LL 300-104	11" Section for AMF Rocket Rails	\$25.45
LL 300-105	Rocket Rails(1/2 set lower non HBK)	\$135.56
LL 300-106	Rocket Rails(1/2 set upper)	\$144.93
LL 300-107	Full Set AMF	\$248.80
LL 300-108	Rocket Rails (1/2 set lower HBK)	\$133.80
LL 300-109	Rocket Rails for Brunswick A-2's	\$197.57
LL 300-109WT	Pkg of 81 wire ties	\$19.85
LL 300-201	Light Ball Clutch	\$199.19
LL 300-202	Light Ball Clutch (Replace LBS)	\$164.29
LL 300-210	Crank Pulley for LBC	\$53.00
LL 300-212	Torsion Spring	\$4.75
LL 300-213	7/16 Spring Collar	\$12.29
LL 300-214	Brass Spacer	\$3.30
LL 300-215	5/8 Spring Collar	\$8.89
LL 300-216	Female Crank Shaft (for LBC)	\$38.80
LL 300-217	Male Crank Shaft for LBC	\$25.70
LL 300-219L	Rod End LH	\$12.26
LL 300-219R	Rod End RH	\$12.26
LL 300-220	Threaded Rod Link	\$12.88
LL 300-221	Female Crank for LBC	\$33.70
LL 300-222	Urethane stop for LBC	\$6.75
LL 300-223	Tube for LBC	\$29.10
LL 300-225	3/8" Jam nut	\$0.50
LL 300-226	7/16 Fiber Washer	\$1.25
LL 300-229	Crank Plate	\$29.40
LL 300-275	The Green Thing	\$64.76
LL 300-275-001	Adjuster Plate	\$13.60
LL 300-275-002	Large Brass Spacer	\$10.00
LL 300-275-003	Roller Guide	\$18.72
LL 300-275-004	Small Brass Spacer	\$9.00
LL 300-275-005	Shaft	\$10.30

# ELECTRONICS

Solid State Start Switch – Combination Motor	\$43.00
Solid State Start Switch – Combination Backend Motor	\$43.00
IR Foul unit (complete without cover)	\$376.20
IR Foul Upgrade Kit	\$247.00
IR Foul Replacement Circuit board	\$136.04
IR Foul Replacement TX/RX module	\$52.44
IR Foul Cover Indication Kit	\$22.04
IR Foul Reflector Kit (repair)	\$22.80
Foul Unit Replacement Buzzer (Mechanical Type)	\$16.34
ASU-70 Pit Cut-out for AMF 82/70	\$74.86
C2A Tester for 82/70	\$143.64
C2A Tester Extension Cable 2mm	\$128.44
LaneMinder 2 Standard	\$676.40
LaneMinder 2 Plus (price dependant on number of lanes)	Call
LaneMinder 2 Beam 2 Kit	\$448.40
LaneMinder 2 Cutout-8 Module	\$120.84
LaneMinder 2 Cutout-2 Module	\$37.24
LaneMinder 2 Cutout Control (required for multiple cutout)	\$60.04
LaneMinder 2 Remote Control Module	\$105.64
IR Ball Trigger- AMF Repair Kit	\$342.00
IR Ball Trigger- Brunswick (Single Kit)	\$220.40
IR Ball Trigger- Brunswick Time Delay Board Only	\$143.64
IR Ball Trigger- Replacement Reflector	\$15.12
LED Mask Display – Sierra	Call
LED Mask Display - 82/70	\$60.04
Warning Sticker - Glow in the Dark (hands)	\$3.42
Warning Sticker - Glow in the Dark (Do not cross)	\$8.28
Warning Sticker - Glow in the Dark (Do not walk)	\$9.04
Brunswick Chassis	Call
Ball return Control Box	\$353.40
Ball Booster/ Accelerator Control Box	\$201.40
PIT Signal Module	\$144.40
PIT Signal Power Supply	\$52.44

# ELECTRONICS

Solid State Start Switch – Combination Motor	\$43.00
Solid State Start Switch – Combination Backend Motor	\$43.00
IR Foul unit (complete without cover)	\$376.20
IR Foul Upgrade Kit	\$247.00
IR Foul Replacement Circuit board	\$136.04
IR Foul Replacement TX/RX module	\$52.44
IR Foul Cover Indication Kit	\$22.04
IR Foul Reflector Kit (repair)	\$22.80
Foul Unit Replacement Buzzer (Mechanical Type)	\$16.34
ASU-70 Pit Cut-out for AMF 82/70	\$74.86
C2A Tester for 82/70	\$143.64
C2A Tester Extension Cable 2mm	\$128.44
LaneMinder 2 Standard	\$676.40
LaneMinder 2 Plus (price dependant on number of lanes)	Call
LaneMinder 2 Beam 2 Kit	\$448.40
LaneMinder 2 Cutout-8 Module	\$120.84
LaneMinder 2 Cutout-2 Module	\$37.24
LaneMinder 2 Cutout Control (required for multiple cutout)	\$60.04
LaneMinder 2 Remote Control Module	\$105.64
IR Ball Trigger- AMF Repair Kit	\$342.00
IR Ball Trigger- Brunswick (Single Kit)	\$220.40
IR Ball Trigger- Brunswick Time Delay Board Only	\$143.64
IR Ball Trigger- Replacement Reflector	\$15.12
LED Mask Display – Sierra	Call
LED Mask Display - 82/70	\$60.04
Warning Sticker - Glow in the Dark (hands)	\$3.42
Warning Sticker - Glow in the Dark (Do not cross)	\$8.28
Warning Sticker - Glow in the Dark (Do not walk)	\$9.04
Brunswick Chassis	Call
Ball return Control Box	\$353.40
Ball Booster/ Accelerator Control Box	\$201.40
PIT Signal Module	\$144.40
PIT Signal Power Supply	\$52.44