



Lane Care Manual

Manual Lane Maintenance

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Manual Lane Maintenance Lane Care Manual

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Section 1: SAFETY!

NOTES & WARNINGS

Throughout this publication, “Warnings”, and “Cautions” (accompanied by one of the International HAZARD Symbols) are used to alert the mechanic to special instructions concerning a particular service or operation that may be hazardous if performed incorrectly or carelessly. They are defined below. **OBSERVE AND READ THEM CAREFULLY!**

These “Safety Alerts” alone cannot eliminate the hazards that they signal. Strict compliance to these special instructions when performing the service, plus training and “Common Sense” operation are major accident prevention measures.

 **NOTE or IMPORTANT!** Will designate significant informational notes.

 **WARNING!** Will designate a mechanical or nonelectrical alert which could potentially cause personal injury or death.

 **WARNING!** Will designate electrical alerts which could potentially cause personal injury or death.

 **CAUTION!** Will designate an alert which could potentially cause product damage.

 Will designate grounding alerts.

SAFETY NOTICE TO USERS OF THIS MANUAL

This manual has been written and published by the Service Department of Brunswick Bowling and Billiards to aid the reader when servicing or installing the products described.

It is assumed that these personnel are familiar with, and have been trained in, the servicing or installation procedures of these products, which includes the use of common mechanic’s hand tools and any special Brunswick or recommended tools from other suppliers.

We could not possibly know of and advise the reader of all conceivable procedures by which a service might be performed and of the possible hazards and/or results of each method. We have not attempted any such wide evaluation. Therefore, anyone who uses a service procedure and/or tool, which is not recommended by Brunswick, must first completely satisfy himself that neither his nor the product’s safety will be endangered by the service procedure selected.

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of publication.

It should be kept in mind, while working on the product, that the electrical system is capable of violent and damaging short circuits or severe electrical shocks. When performing any work where electrical terminals could possibly be grounded or touched by the mechanic, the power to the product should be disconnected prior to servicing and remain disconnected until servicing is complete.

Section 2: Lane Maintenance

Lane maintenance is performed to protect the lane surface and to create an appropriate environment for rolling a bowling ball down the lane. The lane surface and related equipment should remain clean. The lane surface must also be oiled sufficiently to minimize wear and extend the useful life of the lane.



NOTE: A complete lane maintenance schedule is located at the end of this manual.



CAUTION! Be careful to use only approved products that are designed for Brunswick synthetic lanes.

- The synthetic bowling lane must be oiled sufficiently to protect the lane surface. Failure to follow these guidelines will void the warranty for the lane surface.
- Avoid abrasive powders such as Easy Slide, Baby Powder, or Boric Acid. These substances should not be used on bowler's shoes or on the approach surface. Many of these powders are abrasive or caustic to lane surfaces, which over time will damage the surface layer.
- Use only bowling industry approved products for synthetic lanes. Other oils, lubricants, and cleaning supplies may damage your synthetic lanes and void your warranty.
- Always follow directions supplied by the manufacturer of all conditioners and cleaners.
- If there is any question as to whether or not a new lane maintenance product can be used, contact your Brunswick Service Representative.
- Abrasive sanding and buffing pads should not be used on synthetic surfaces.

LANE CLEANING

The lane surface is covered in conditioner which will collect dust and dirt from the surrounding environment. The approach surface will also collect dirt from bowlers' shoes. A regular maintenance routine is very important. Refer to the following cleaning instructions.

1. After bowling, lane conditioner will be spread over the entire length of the bowling lane. To remove excess conditioner, use the Easy Scrub Express Mop Tool (71-860141-000) with the Easy Scrub Plus Flat Mop (71-860143-000 loop mop w/o green scrub strips). Dry mop up the majority of the oil present on the entire length of the lane. If the cloth becomes completely dirty, where no more dirt and conditioner can be absorbed, replace the Easy Scrub Plus Flat Mop with another clean one. Repeat as needed until the lane has most of the dirt and conditioner removed. The Easy Scrub Plus Flat Mops can be washed and reused.
2. Attach an Easy Scrub Flat Mop (71-860144-000 white pad with green scrub strips) to the Easy Scrub Express Mop Tool. Mix the Squeaky lane cleaner (62-860054-005) in a 4 parts water to 1 part cleaner dilution. Fill the Easy Scrub Express Bottles (71-860142-000) with the diluted cleaner and cap with the bottle top. Insert one of the bottles into the base of the Easy Scrub Express Mop Tool. On the lane, squeeze the bottle at the base of the mop tool to apply the cleaner solution to the lane. Use the Easy Scrub Flat Mop to wet mop the entire length of the lane. Apply liberal amounts of the Squeaky cleaning solution to the lane as needed. The Easy Scrub Flat Mop will collect the remaining conditioner and dirt. Once the cloth is completely dirty, where no more dirt and conditioner can be absorbed, replace the Easy Scrub Flat Mop with a fresh, clean one. The Easy Scrub Flat Mops can be washed and reused.

3. Next, replace the wet Easy Scrub Flat Mop with a dry Easy Scrub Plus Flat Mop (white pad with green scrub strips). Use the mop tool to dry mop the entire lane and remove any excess cleaning solution.



NOTE: Do NOT use any of the Easy Scrub Flat Mops on the approach area. These mops should only be used on the lane surface to prevent contamination of the approaches, reducing the sliding characteristics.

LANE CONDITIONING

Lane conditioner is a lubricant that is used to protect the bowling lane from the impact of the bowling ball. Without proper conditioning, the surface of the lane can become severely damaged, shortening its useful life and voiding product warranty. Lane conditioner is also referred to as “lane oil.”

Lanes must be conditioned regularly. For most locations twice a week is often enough, but some busy locations will need to condition daily. Lane conditioner is applied to the lane surface after the lane has been cleaned.

1. Fill the high capacity spray bottle (71-100159-000) with Brunswick Authority W22 Lane Conditioner (62-860205-001) to the “full line” indicated on the bottle.
2. On the Easy Scrub Express Mop Tool, install a clean, dry Easy Scrub Plus Flat Mop (loop mop w/out green scrub strips). These mops can be washed and reused.
3. Spray 3-5 pumps of the lane conditioner on to the middle of the first lane panel lane. Do not apply all of the pumps to the same exact spot. Too much lane conditioner is a bad thing, so start with a small amount and apply more if needed.
4. Spread the conditioner using the mop tool. Ideally, the conditioner should coat the lane surface in a very thin film, starting from about a foot beyond the foul line and extending from side to side and down approximately 2/3 of the overall lane distance.
5. Apply more conditioner if needed.



CAUTION! Do not get conditioner onto the approach area. Immediately clean up any conditioner on the approach area with IPA 99 Synthetic Approach Cleaner (61-860254-000) and a clean, dry terry cloth towel. Clean any overspray on the gutters and capping with a terry cloth towel and IPA 99.

CLEANING GUTTERS AND CAPPING

Dust gutters and capping weekly, or more often if needed.

1. Sweep the gutters with a broom to remove surface dirt and debris.
 2. Clean the gutters and capping as needed. Use a soft rag and warm water.
 3. Wipe up any excess liquid (do not allow to evaporate).
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SPECIAL CARE FOR THE APPROACH AREA

All bowlers should use non-marking shoes to avoid excessive marking in the approach area. Bowling shoes are recommended.

Contaminants can be transferred to the approach surface by the bowler's shoes or by the bowling ball itself. If bowlers drop the ball in front of the foul line the ball will usually leave a mark. It may also transfer oil from the ball to the approach surface. Other not so obvious sources of contamination are floor wax transferred from floor tiles and carpet treatments such as ScotchGuard®.

Atmospheric conditions also may affect the approach surface. Sudden changes in temperature of the lane surface or the conditioned air flowing across it can cause water to condense on the approach surface. Relative humidity in the building should be maintained at a constant level no higher than 50%. The more constant the temperature of the lane surface, the better. A relative humidity of $45\% \pm 5\%$ is ideal at a constant indoor temperature of your choice.

APPROACH CARE

These items should be done daily – or at least every day the lanes are used.

1. Dust the approaches using the approach dust mop (62-860095-000). Start at the front edge of the approaches closest to the bowlers and push the dust mop towards the lane, turning and returning back towards the bowlers area. When going around the ball hood and rack, it is important to also dust the approaches under the ball rack. When all approaches have been dusted, shake the dust mop out and sweep up the dust and debris removed from the mop. The mop head can be washed and reused, as needed.
2. Spot clean the approaches using IPA 99 (61-860254-000). Walk the entire approach area looking for any contamination such as shoe scuffs, spills, oil from conditioning the lane or from bowlers walking out on the lane and back on the approach. Any area of the approaches that has lane conditioner on it needs to be cleaned by spraying IPA 99 onto the affected area and wiping with a clean, dry terry towel. If there is a spill or contamination that is sticky, such as dried soda or candy – the area should first be cleaned with the same mixture of lane cleaner that is used to clean the lanes and a different terry cloth towel than the one used with the IPA 99. You must then remove the cleaner residue by spraying IPA 99 onto the affected area and wiping with a clean, dry terry cloth towel.



NOTE: *Prolonged exposure to high humidity, over time, can cause synthetic lanes to expand beyond their intended design. Relative humidity must be maintained at all times to provide maximum performance, reliability, and dependability.*

LANE MAINTENANCE SCHEDULE

The following guidelines cover the major components of the Brunswick Lane system. It may be necessary to perform this maintenance more often for locations that have an exceptional amount of use on the lanes. Construction projects or other sources of dust will also mean that frequent cleaning is necessary.

Daily

- Dust approaches
- Spot clean approaches

Twice a Week

- Clean lanes and approaches
- Condition lanes

Weekly

- Dust capping and gutters
- Dust ball hood and rack
- Clean hoods and rack
- Clean and polish house balls, as required

Monthly

- Clean flat gutters
- Clean kickbacks
- Vacuum pit area
- Clean capping and gutters

Every 3 months

- Check for any unusual wear & tear in the pit area. This includes the rubber curtain and pit board (ball stop). Replace any equipment as needed.
- Check for any unusual wear on the lane surface