



Air Hockey Training Camp

Care and repair of your Air Hockey Playfield

The playfield is the single most expensive part of your Dynamo Air Hockey table. Proper care will keep your table attractive and functional for your players, and bring them back for more games.

CLEAN YOUR PLAYFIELD AT LEAST ONCE A WEEK.

- ◆ Get some isopropyl alcohol (this is simply regular rubbing alcohol available at any drug store) or window cleaner.
- ◆ Turn the table on prior to cleaning, the air from the blower allows the alcohol to evaporate more quickly and prevent damage to the playfield, and helps avoid pushing dirt into the holes.
- ◆ Apply the cleaner to a clean paper towel or rag and wipe down the playfield. **NEVER apply the cleaner directly to the playfield.** Minimize the amount of liquid on the playfield.
- ◆ **DO NOT** use cleaners, silicones or protectants that leave a film, such as Pledge or Armor All. Your playfield will look really nice at first, but the film left on the table will cause it to get dirty much more quickly and dramatically slow down the play on the table. Worse yet, the film is difficult or impossible to ever clean off. Just use alcohol or glass cleaner—it does the job best.
 - ◆ DO YOU WANT IT SHINY, OR DO YOU WANT IT CLEAN?



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DON'T CLEAN the rails where the puck hits. The buildup of dust and dirt there actually HELPS the puck bank properly and stay on the **TABLE. WE WOULDN'T TELL YOU NOT TO CLEAN WITHOUT A GOOD REASON WHY.**

Never allow drinks to be placed on the table. Liquids spilled on the surface must be wiped up immediately. Large amounts of any liquid will seep down the holes and into the wood, which will warp the playing surface. Prohibit drinks from being placed on the table at any time. [Side shields \(part# 030400260\)](#) are effective in discouraging customers from putting drinks on the table. They will also help keep pucks from leaving the table, and cost less than a new playfield.



ANNUAL CLEANING : Once a year or so, check the condition of the air holes. To remove debris from the air holes, turn the blower ON and use a Dremel Moto-tool or equivalent, with a 1/32" drill bit. Slowly and carefully insert the rotating drill bit into the hole—no deeper than about **3/8"**. This will cause the debris to "ride" up the grooves on the drill bit and out onto the playing surface. *Do not use a pushpin to simply push the debris down into your table.*



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REPAIRS TO YOUR PLAYFIELD—It is tempting to just opt to **REPLACE THE PLAYFIELD... UNTIL YOU FIND OUT HOW MUCH THEY COST! (AND SHIPPING A 4-FOOT BY 8-FOOT BOX COSTS A BIT TOO)** Before buying a new playfield, try these inexpensive repair methods and maybe you can avoid a replacement for now:

SMALL DENTS can be repaired using clear epoxy. Fill the dent with epoxy to the surface level and allow it to harden. Sand off the filled area, if necessary, so it is level with the surrounding surface. Use a fine grade of sandpaper to avoid marring the surrounding surface. Any air holes plugged during the repair process can be drilled out with a 1/32" drill bit to reestablish air flow. You may use a colored marker for touchup, if needed.

LARGER HOLES that actually open the air channel can often be repaired by inserting a common plastic drinking straw lengthwise into the air channel before repairing the surface. This will prevent the epoxy from filling the air channel and blocking the air flow.



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HOW TO REPLACE A PLAYFIELD IN 22 EASY STEPS, BRING 1 TO 3 HELPERS FOR THE HEAVY LIFTING

1. Remove the 2 Goal end metal covers and the 4 plastic corner covers (if used on your table)
2. Remove the 12 mounting screws. These are located just below the metal rails on the outside of the table.
3. Open the Access door on the side of the table.
4. Inside the service area on the upper left corner you will find 3 Molex connects. All three have the same color wires installed (White, Green, and Black), only one of the wire harnesses goes behind the wall and has a serial number label on it. Disconnect this harness. If you are not sure you can disconnect all three.
5. Just inside the access door on the bottom side of the playfield you will see 1 green wire held on with a screw. Remove this screw.
6. On the logic board you may find a connector on the left side of the board marked MIC; if present, disconnect this from the logic board and..
7. With a helper or two, Start on the front side that has the coin door and the access door. With one person standing on each side of the access door, lift that side of the playfield 15 to 30 centimeters and locate the microphones and disconnect the wire harnesses. Lower the playfield back.
9. Repeat step 8 on the opposite side of the table.
10. This step requires 2 to 4 people. Place the cardboard box top from the new playfield flat on the floor next to a wall. With either 1 person at each end of the table if you only have 2 people or 1 person at each corner of the table. Lift the playfield up at least 45 centimeters, carry (DON'T DRAG) the playfield and place it either flat upside down on the cardboard top you laid down or lean it against the wall with the blower motor facing out.
11. Remove the Blower motor, Microphones (IF PRESENT) and on each corner the green wire and screws that hold them.
12. Lay the playfield down flat or flip it over, and remove the screws that hold on the top rails.
13. Transfer the top rails to your new playfield.
14. Flip your playfield over or lean it against the wall with the bottom facing out. Install the blower motor, microphones, and the green wires on the corners.
15. Carry (DON'T DRAG, EVER!!) the playfield and place it back into the table.
16. Again, if your playfield has microphone, start on the front side that has the coin door and the access door. With one person standing on each side of the access door, lift that side of the playfield 15 to 30 centimeters and locate the microphones and reconnect the wire harnesses. Lower the playfield.
17. Repeat step 16 on the opposite side of the table.
18. Inside the service area on the upper left corner you will find 3 Molex connects. All three have the same color wires installed (White, Green, and Black), only one of the wire harnesses goes behind the wall and has a serial number label on it. Reconnect this harness. If you were not sure and disconnected all 3, please reconnect all 3.
19. Just inside the access door on the bottom side of the playfield you will see 1 green wire held on with a screw. Install this screw and wire.
20. On the logic board you will find a connector on the left side of the board marked MIC; reconnect this from the logic board.
21. **This is an important step. Install the 2 goal ends** so that the playfield will be aligned correctly.
22. Install the 12 mounting screws. These are located just below the metal rails on the outside of the table. Install the 4 plastic corner covers if your table uses them.

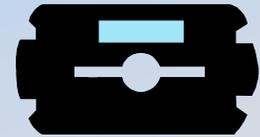


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Care and repair of your Air Hockey Puck

DELAMINATION due to a spill or long-term use in a humid area can sometimes be repaired. You will need:

- ◆ DRILL with a 5/64" bit
- ◆ SYRINGE
- ◆ RAZOR BLADE
- ◆ WHITE WOOD GLUE (ELMERS)
- ◆ NON-ADHESIVE MATERIAL (Wax paper)
- ◆ A FLAT WEIGHT (Large and heavy enough to cover + hold down the area).





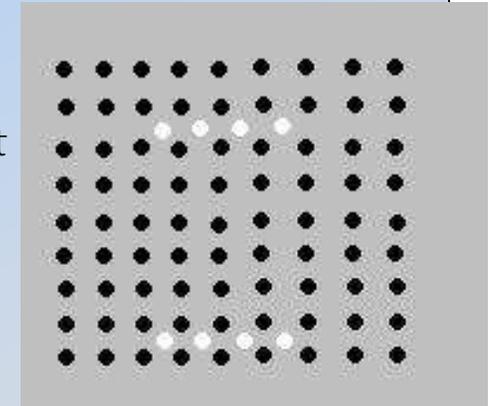
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DELAMINATION

Locate the center of the rise. Using the 5/64" drill bit, begin at the center of the rise by drilling into the wood between the rows of air holes. Drill holes in a lengthwise pattern approximately every 6 inches of the affected area.

On the illustration, the black dots represent the approximately once-every-inch air holes in your playfield. The white squares are where the holes should be drilled. BETWEEN the air holes so you actually drill the wood and not the air channels, and about SIX INCHES apart. For larger areas, use more holes.



Using the syringe, inject glue into the new holes between the playfield and wooden backing. **Aim** toward the goal ends. This way the glue does not get into the air channels, and actually works to repair the playfield.

Use the flat weight to hold down the area, with the non-adhesive material between the weight and the surface. Allow 24 hours for the glue to set before removing the weight.

Slightly overfill the drilled holes with glue and allow to dry. Carefully use a razor blade to remove all excess glue after drying. Touch up the surface with a marker if needed.



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ABOUT PLAYFIELD SECONDS: Occasionally, we receive playfield surface laminates that may not be in good enough condition to **INSTALL ON A BRAND NEW CUSTOMER TABLE. THIS DOESN'T MEAN THEY ARE UNUSABLE**, just not first-quality. If a location has a table with a severely damaged or worn playfield in need of replacement, this is a way to get it up and running again at a good price.

Dynamo Playfield Seconds typically have:

- ◆ *light surface scratching in the clearcoat finish,*
- ◆ *slight indentations due to mishandling*
- ◆ **NO DAMAGE** that affects play,
- ◆ **NO DAMAGE** to the top laminate
- ◆ *a price close to 20% less than the cost of a first-quality playfield.*

Seconds ARE NOT used, just not the best we can do (and discounted accordingly). Availability is occasional, and limited.