

**BEFORE YOU START:**

Your two best resources for Dynamo Air Hockey are the [Photos of Air Hockey Parts](#) which includes photos of all available goal ends, and the revised for 2010 [Air Hockey Parts Breakdown](#). Both are full of information. The IDENTIFIERS on the exploded drawing could refer to several different PART NUMBERS. There is no such part as an “A3”. Save time and find the actual part number you need.

**BEFORE YOU CALL:** To solve any particular functional or wiring questions, open the SERVICE DOOR on the side of your table and check to see the VERSION (v#.##) of the Controller PC Board. This will almost always be the first question Tech Support will ask you, so be prepared, and save even more time.

**A WORD ON PARTS AVAILABILITY:** The basic coin-operated and “Pro Style” professional grade products have changed little over the years. In most cases, the biggest changes will be cosmetic, and though a part or decal may no longer be available in a particular color or pattern, there is a current part that should fit. For older-model standard 8-foot or 7-foot tables, you should be able to find current legs, down corners, playfields, goal ends, playfield trim, overhead brackets, corner covers and decals that may not match, and may need some minor modifications, but they will fit.

**Parts NO LONGER available with NO replacement are...**

**Any part specific to Four-Player Tables**

**Any part specific to small 6-foot Tables**

**All parts for “Dual Tube” overheads**

**Parts for Tornado Branded Coin-operated tables**

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- WHAT DOES THIS TROUBLE CODE MEAN?
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- CAN I ADD A BILL ACCEPTOR TO MY TABLE?
- NEW – HOW DO I CHANGE THE PRICE PER GAME?
- THE SIDE AND END DECALS ON MY AIR HOCKEY TABLE ARE WORN, WHAT REPLACEMENTS ARE AVAILABLE?
- HOW DO I TOUCH UP THE FLUORESCENT YELLOW TRIM PIECES ON MY HOT FLASH II AIR HOCKEY?
- HOW CAN I MOVE MY TABLE, AND SHOULD I DISASSEMBLE IT?
- CAN I GET PARTS FOR THE HELICOPTER-STYLE LIGHT ON MY ARENA AIR HOCKEY?
- WHAT KIND OF LIGHT BULBS GO IN THE ARENA OVERHEAD?
- WHAT KIND OF LIGHT BULBS GO IN THE EMERGENCY BEACONS ON THE ARENA OVERHEAD?
- WHAT KIND OF LIGHT BULBS GO IN THE BLUE STREAK/PRO STYLE OVERHEAD?
- WHERE CAN I FIND BLACKLIGHT BULBS FOR MY HOT FLASH OVERHEAD?
- I REPLACED A GOAL END ON MY TABLE AND SCORES NO LONGER REGISTER ON THAT SIDE. WHAT HAPPENED?
- HOW CAN I CHANGE MY OLD TABLE TO THE “CHEAT PROOF” MAGNETIC COIN SWITCH?
- CAN I CHANGE MY QUICK-ENTRY GOAL ENDS TO THE HINGED STYLE THAT USES LOCKS?
- HOW DO I GET THE NEW STYLE CORNER PROTECTORS TO FIT ON MY OLDER DYNAMO TABLE?
- I HAVE A TORNADO AIR HOCKEY TABLE, CAN I STILL GET PARTS?
- NEW - I HAVE AN ARCTIC STAR AIR HOCKEY TABLE, CAN I STILL GET PARTS?

**HOW OLD IS MY TABLE?** Serial numbers on Dynamo Air Hockey tables were not tracked very well. Also, as tables have been modified and updated through the years, the version of PCB in your table, coin mechanism, scoring mechanism or even the cosmetic appearance will not reveal the age.

If your table has mechanical scoring switches in the goals, it was probably built before 1993.

**DOES IT HELP THAT MY AIR HOCKEY TABLE IS A MODEL “DH-100”?**

Technically, every U.S. Dynamo Air Hockey table, whether a home model, professional-grade home tables, or coin operated, is a model DH-100. What’s important to know when looking for any parts are if the table is or is not coin operated, and if any Model Name is shown or known. Again, the Parts Breakdown and Parts Photos links at the top of this page are your most valuable resource.

**HOW DO I CLEAN MY PLAYFIELD?** The simple explanation is to turn the blower on and use only Isopropyl (rubbing) Alcohol. It will clean and evaporate quickly. NEVER use water as it will warp the playfield. Never use furniture polish or protectants as the wonderful shine they give leaves a film that will slow play, collect grime even faster and possibly never completely come off. Our [Playfield Care Service Bulletin](#) will give details on all aspects of playfield care and repair.

**MY PLAYFIELD IS CLEAN, BUT THE GAME PLAY IS STILL SLOW.**

Microscopic dents over time will interfere with the air cushion. Replace your pucks and mallets, or sand the pucks and mallets with 240 grit sandpaper.

**WHAT MAKES DYNAMO PUCKS AND MALLET'S SPECIAL?** We use our own proprietary plastic formula. Our HEAVIER pucks tend to stay on the table and not fly off, but our pucks and mallets also have some FLEXIBILITY for better playing action. Imagine the difference between hitting a baseball with your bat, or a rock. The baseball has more give, won't hurt to hit it, and you won't mind playing longer. Do our pucks and mallets cost a little more? Yes. Are they better? We think so. Dynamo pucks are available in 3¼" size for coin operated and Pro-Style tables, and 2½" for smaller consumer model tables.

**MY PLAYFIELD IS DAMAGED BEYOND ANY HOPE OF REPAIR, CAN I PURCHASE A REPLACEMENT?** The answer is yes for coin-operated and Pro Style 8-foot and 7-foot tables, no for 6-foot tables. Contact your nearest Dynamo Distributor, [Click here](#) to access our Distributor Locator. Playfields are the most expensive part of the table, and they are expensive to send because they weigh over 150 pounds and must be shipped flat. Be forewarned: an Air Hockey table that is "in great shape, but just needs a new playfield" might not be as good a deal as it sounds.

**COULD I CUT DOWN A LARGER PLAYFIELD TO FIT A 6 FOOT TABLE?**

No, you would end up removing the outer framing. The rail bolts would lack a solid anchor, and the inner air chambers would be opened. It would be like taking a foot off the outside of a house to make it smaller. You'd have to build all new walls, the sizes of the rooms would be all messed up, and you would probably cause even more problems than would be solved. Consider replacing a 6-foot table in need of a new playfield with a new 7-foot Blue Streak or Pro Style table.

**I KNOW THIS IS A COIN-OP/PRO STYLE FAQ PAGE, BUT ARE PLAYFIELDS AVAILBLE FOR THE CONSUMER TABLES SUCH AS THE ARCTIC FLASH, ARCTIC STAR, AND ARCTIC WIND?** Replacing the playfield on these tables would require disassembling them to a point that they would lose their structural integrity and could never be correctly reassembled again. Threaded nails and wood adhesives are used to build the cabinets. We do not offer playfields for the Consumer Grade tables and would

recommend replacing the table if the playfield is sufficiently damaged to require replacement.

**WHAT DOES IT MEAN WHEN MY TABLE DISPLAYS THIS CODE?** We are working on an updated Troubleshooting list for some of the older boards, but these handy tips may be very helpful

- A display flashing “01” or “22” indicates a problem with the LEFT goal end sensor
- A display flashing “10” or “11” indicates a problem with the RIGHT goal end sensor

Remove the cover and look for a foreign object or puck stuck in the goal area

- A display flashing “08” indicates a problem with a Coin Switch – [contact us](#) for more information.

**WHY DOES MY TABLE SHUT DOWN AUTOMATICALLY?** The v7.01 PCB currently used defaults to a 7-point game, it can be set as low as a 2-point game or as high as a 9-point game. It also has a timer built in that defaults to a 7-minute game. The times can be set to as high as a 16-minute game, or even to play only by score without regard to time. Both features are built in to keep your table from running for hours if the players wander off. The [v7.0 Programming Parameters](#) and [v9.0 Programming Parameters](#) links will show the available settings and how to change them. On new tables these instructions are attached to the inside of the Service Door.

**DO YOU REPAIR FAILED AIR HOCKEY BOARDS? We do not.** Many tables starting with the v2.4 board can be upgraded to the current v7.01 PCB, and that way you get the most current part with all the latest features and no “Repair history.” Contact your Distributor and order part number 880400125. Using the v7.01 PCB will require replacing your 12v Transformer with a 10v Transformer, so order part # 880400715 as well. [Valley-Dynamo Tech Support](#) will be able to help with the specifics. **The PCB on your Air Hockey table is almost certain to have the version number stamped on it.**

**I DON'T SEE ANY PART NUMBERS LISTED FOR THE ELECTRICAL COMPONENTS ON THE BOARD, DO YOU SUPPLY THEM?** We do not stock board-level repair components, not even for current production PC boards. As technology has progressed you are likely to find that components for older boards are now difficult or impossible to get from the usual suppliers. If you choose to attempt repairs, you can find board schematics at [this link](#).

**MY TABLE HAS A COIN DOOR WITH ROLL DOWN MECHS, AND IT LOOKS LIKE THERE IS SPACE ON THAT DOOR FOR A BILL ACCEPTOR. CAN I ADD ONE?** Yes, contact your distributor to order the DBA wire

Harness, part # 730400020, and we recommend the ICT 500-bill 110v DBA, part # 880100200.

**CAN I ADD A BILL ACCEPTOR TO A TABLE WITH A PUSH CHUTE COIN MECH?** No.

**HOW DO I CHANGE THE PRICE PER GAME ON MY TABLE?**

For **PUSH CHUTE** tables, [the complete instructions can be found here](#). You can use blanks to change a push chute table to free play.

For **ROLL DOWN** tables, the [v7.0 Programming Parameters](#) and [v9.0 Programming Parameters](#) links will show the available settings and how to change them. On new tables these instructions are attached to the inside of the Service Door.

**THE SIDE AND END DECALS ON MY AIR HOCKEY TABLE ARE WORN, WHAT REPLACEMENTS ARE AVAILABLE?** The Dynamo Air Hockey Parts Photos – All Products link will have photos of the decals currently available. Helpful tip: the end (short) decal for the 8-foot Photon table is all black.

**HOW DO I TOUCH UP THE TRIM PIECES ON MY HOT FLASH II AIR HOCKEY?** The UV reactive paint is applied to these items by our vendor using a special process. Flaws in the paint that may not be noticed under normal light are very obvious when the black light is used.

The problem when trying to touch up is that a finish that looks good under normal light can look bad under the black light and a finish that looks good under the black light can look bad under normal light.

Unfortunately, the best solution will be to replace any paint-damaged rail or goal end. Obviously that is expensive but it will be the only complete solution with no guesswork or unknown problems. If you choose to try to find some sort of touch-up paint (we do not stock the paint), decide if it is more important that the part looks good under the black light, or in normal light. If black light is more important, you must get "UV reactive" paint and use care when painting as even the slightest flaw or change in paint thickness will be very obvious under the black light.

**HOW CAN I MOVE MY TABLE, AND SHOULD I DISASSEMBLE IT?** It is preferable to simply remove the legs and overhead and move the table intact. When moving the table on a truck, move the table on its side, strapped to the wall of the truck, with thick cardboard wedged beneath to provide support. No matter how you move the table, always place something between the rail and floor to prevent damage, and ALWAYS take great care to protect the playfield from scratches or dents. The playfield is the most expensive part of the table and while we really like selling replacement playfields, you won't like paying for one if damaged in an avoidable accident. The playfield can be removed, contact us for detailed instructions.

Further disassembly is **STONGLY DISCOURAGED**. The wood sections are secured with wood glue **AND** staples **AND** glued spiral nails. Dynamo Hockey tables are sturdy and solid with good reason. We don't recommend trying this, but the table was designed to be dropped from shoulder height without falling apart. Again, please don't go do this on a dare or to prove a point; and be advised that dropping the table from shoulder height is not covered under Warranty, no how, no way, not in anyone's wildest dreams.

If you absolutely insist on taking it apart or have no other choice (such as the rec room was built around the table and now you have to get it out—yes, it's happened), to have any hopes of putting it back together you will need a pry bar, rubber mallet, large hammer, grinder, and all new wooden cleats. Having some Bondo handy to fill in the plywood that comes apart will help also. It's a full day's work if done correctly. We have no official directions or guide for doing this so you are pretty much on your own. Take good notes and don't lose any parts.

**CAN I GET PARTS FOR THE HELICOPTER-STYLE LIGHT ON MY ARENA AIR HOCKEY?** The older Arena "Helicopter" style light is an "American DJ H-450L" Helicopter Light and you should be able to find something comparable. Approximate retail price of that unit is close to \$100. We did not stock repair parts for the light, and were unable to obtain any repair documentation.

**WHAT KIND OF LIGHT BULBS GO IN THE ARENA OVERHEAD?** Use a 24 watt "2G11" Base Compact Fluorescent lamp, available from your Dynamo parts dealer as part # 880404540.

**WHAT KIND OF LIGHT BULBS GO IN THE EMERGENCY BEACONS USED ON THE ARENA OVERHEAD?** Use a 25 watt, 120v T-8 "25T8C" Clear Tube Bulb. We do not stock this bulb but many specialty lighting suppliers do.

**WHAT KIND OF LIGHT BULBS GO IN THE BLUE STREAK/PRO STYLE OVERHEAD?** Use 15 watt "T-8" 18-inch Fluorescent bulbs, also available at many hardware stores and specialty lighting suppliers.

**WHERE CAN I FIND BLACKLIGHT BULBS FOR MY HOT FLASH OVERHEAD?** This is simply a standard 48" Fluorescent lamp in a Blacklight. Many hardware stores, and even some discount stores, carry these lamps. Though Blacklight lamps with purple coating tend to work better, any "UV" or "Ultraviolet" lamp ought to bring out the glow.

**I REPLACED A GOAL END ON MY TABLE AND SCORES NO LONGER REGISTER ON THAT SIDE. WHAT HAPPENED?** The Optical Scoring sensor needs a black background to "see" the puck pass by. Contact your

distributor and order part # 850400470—the self-adhesive Scoring Opto-Shield.

**HOW CAN I CHANGE MY OLD TABLE TO THE “CHEAT PROOF” MAGNETIC COIN SWITCH?** Contact your Distributor and order part # 030400500, the Coin Switch Modification kit. It will include the magnets and all the necessary hardware.

**SOME DISHONEST PLAYERS AT ONE OF MY LOCATIONS DISCOVERED HOW TO CHEAT THE “CHEAT PROOF” COIN SWITCH. WHAT CAN I DO TO STOP THEM?** [Valley-Dynamo Tech Support](#) will be able to help with the specifics. Posting too much here might “give folks ideas.”

**MY QUICK-ENTRY GOAL ENDS HAVE A BOLT IN EACH LOWER CORNER, BUT THE REPLACEMENTS HAVE A SINGLE BOLT IN THE MIDDLE, WILL THEY WORK?** Definitely, you will simply need to install a threaded insert in the middle of the existing puck drop or table apron so the goal end’s single bolt has a solid attachment point.

**CAN I CHANGE MY QUICK-ENTRY GOAL ENDS TO THE HINGED STYLE THAT USES LOCKS?** This is a very labor-intensive and difficult operation, and if done incorrectly can result in serious (possibly irreparable) damage to your table. We do not recommend this.

**WHY WON'T THOSE NEW STYLE CORNER PROTECTORS FIT ON MY OLDER DYNAMO TABLE?** The corner covers introduced on the Dynamo Arena® are now used on all Dynamo tables, and the Arena® uses the same style of down corner and rails as all other tables. Seriously, nothing they attach to is any different and they will fit. [Click Here for complete instructions.](#) The old-style corner covers (part # 860400010) were discontinued in 2008 and are no longer available.

**I HAVE A TORNADO AIR HOCKEY TABLE, CAN I STILL GET PARTS?** Before Valley and Dynamo merged, a Tornado-branded Air Hockey was sold. The line was discontinued at the time of the merger. Dynamo pucks and mallets will work on a Tornado table. A Dynamo Blower Motor will *probably* work in a Tornado Air Hockey table. Because the Tornado and Dynamo tables were developed independently by competing companies, no other parts are available.

**I HAVE AN ARCTIC STAR AIR HOCKEY TABLE, CAN I STILL GET PARTS?** The Arctic Star was an imported table and was not part of our sale to Champion Shuffleboard. While we have a limited selection of parts, no more will be available when they are gone.

**WHO IS MY LOCAL DISTRIBUTOR?** Click here to access our [Distributor Locator](#).