



See the full Valley Dynamo product line at
www.valley-dynamo.com



7115 Belton St.
 Richland Hills, TX 76118
 972.595.5300
sales@valley-dynamo.com

For International Sales:
international@valley-dynamo.com



Valley-Dynamo Companies



VD/AdTemp.Rev.07/2013



Valley-Dynamo warrants its new products to be free from defects resulting from faulty manufacture or faulty components under the following terms and conditions:

WARRANTY LENGTH

One year on Dynamo® Hockey tables. **90 days** on Replacement Parts

FOR WARRANTY SERVICE

Valley-Dynamo will, at its sole option, repair, upgrade or replace this product in the event of any defect in materials or workmanship during the warranty period. This shall be Valley-Dynamo's sole obligation, and the customer's sole remedy, for any warranty claim.

Valley-Dynamo will request and you must provide the **complete Model Number & Serial Number of the unit** (not just the last 5 digits), or other proof of purchase such as an invoice or receipt.

OPERATORS AND END USERS – While our Tech Support staff is available to assist with diagnosis and troubleshooting of your problem, contact your Distributor for Warranty Service on your equipment.

DEALERS AND DISTRIBUTORS – To obtain replacement and an RMA number, contact Valley-Dynamo referencing the Model number and Serial number of the unit and the nature of the problem. Valley-Dynamo will, at its discretion, send replacement parts and/or issue an RMA for the return of failed parts. To avoid billing issues, request an RMA when the failed part is present or readily available. Credit will be issued only

upon receipt and inspection of the RMA. Valley-Dynamo may send replacement parts or issue an account credit. **NO REFUNDS.** Valley-Dynamo reserves the right to cancel outstanding RMAs 30 days after issue. Items returned without an RMA will not be inspected or credited and may be refused or returned at Customer Expense.

REPLACEMENT PARTS COVERAGE – Valley-Dynamo warrants replacement parts for 90 days from the date of purchase. To obtain a replacement and an RMA number, contact Valley-Dynamo referencing the nature of the problem and provide proof of purchase. Valley-Dynamo will, at its discretion, send replacement parts and/or issue an RMA for the return of failed parts. To avoid billing issues, request an RMA when the failed part is present or readily available. Upon receipt and inspection of the RMA, Valley-Dynamo may send replacement parts or issue an account credit. **NO REFUNDS.** Valley-Dynamo reserves the right to cancel outstanding RMAs 30 days after issue. Items returned without an RMA will not be inspected or credited and may be refused or returned at Customer Expense.

SCOPE OF COVERAGE

Note that our warranty is not an unconditional guarantee for the duration. Dynamo products are made to our exacting standards and known for their durability, but are not indestructible and may require periodic maintenance in order to function properly. The following are not covered by the warranty.

- 1) Shipping or transport damage
- 2) Normal wear and tear
- 3) Damage or deterioration resulting from neglect, misuse, accident, liquid spills, improper installation, abuse, pets or mishandling. *See our full warranty at www.valleydynamoparts.com for special notes regarding Air Hockey Playfields, and take special care during this installation to avoid damaging your playfield*
- 4) Incidental or consequential damage (except at Valley-Dynamo's discretion).
- 5) Removal or installation charges.
- 6) Shipping charges except at Valley-Dynamo's discretion.
- 7) Unauthorized modification of the product.
- 8) Use of this product with unapproved parts, conversion kits or accessories.
- 9) Damage from fire, flood, lightning or other acts of nature
- 10) Bulb breakage or failure

EXCLUSION OF DAMAGES

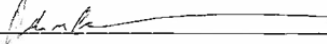
Valley-Dynamo's sole obligation and liability under this warranty is limited to the repair or replacement of a defective product at our option. Valley-Dynamo shall not, in any event, be liable for any incidental or consequential damages resulting from interruption of service, loss of business or revenue, or for liability in tort relating to this product or resulting from its use or possession.

LIMITATIONS OF IMPLIED WARRANTIES

There are no other warranties, expressed or implied, including but not limited to those of merchantability, revenue generation, or fitness for a particular purpose. The duration of implied warranties is limited to the period specified in the Warranty Length section above.

TO OBTAIN TECHNICAL SUPPORT

Please check the resources available at www.valleydynamoparts.com or contact TECHHELP@valley-dynamo.com.

<p>EU Declaration of Conformity in accordance with ISO/IEC 17050</p>
<p>Valley Dynamo DoC#: 0001</p>
<p><i>Manufactured and Distributed by:</i> Valley-Dynamo LLP 7115 Belton Street Richland Hills, TX 76118</p>
<p>Amusement Machine, Model DH-100 Air Hockey Table, is compliant with the CE directives and standards listed below.</p>
<p><u>Directives:</u> Electromagnetic Compatibility (2014/30/EU) Low-Voltage (2014/35/EU)</p>
<p><u>Standards:</u> EMC Immunity: EN/IEC 61000-6-1:2016 EMC Emissions: EN/IEC 61000-6-3:2011 Appliance Safety: EN/IEC 60335-1:2014 Amusement Machine Safety: EN/IEC 60335-2-82:2017</p>
<p><i>This product was tested by an ISO 17025 accredited laboratory and was manufactured using an internal quality system.</i></p>
<p>By  Signature _____ Date <u>9-11-19</u></p>
<p>Mike Prendergast Technical Manager Valley-Dynamo LLP, USA</p>



Warnings and Notices

USE OF NON-DYNAMO PARTS OR CIRCUIT MODIFICATIONS MAY CAUSE SERIOUS INJURY OR EQUIPMENT DAMAGE! USE ONLY GENUINE DYNAMO AUTHORIZED PARTS.

- For safety and reliability, substitute parts and modifications are not recommended.
- Substitute parts or modifications may void FCC type acceptance.
- Use only authorized components and parts. Failure to do so will void warranty and may result in incorrect and/or unsafe operation.

WARNING

- Plug this game into a properly grounded outlet to prevent shock hazards and assure proper game operation.
- Do not use an adapter plug to defeat the power cord's grounding pin.
- Do not cut off ground pin.

Information in this manual is subject to change without notice. Dynamo reserves the right to make improvements in the equipment function, design or components as process in the engineering or manufacturing methods may warrant.

FOR GENUINE DYNAMO PARTS AND SERVICE CONTACT YOUR LOCAL AUTHORIZED DYNAMO DISTRIBUTOR.

PARTS CAN ALSO BE ORDERED AT WWW.VALLEYDYNASMOPARTS.COM



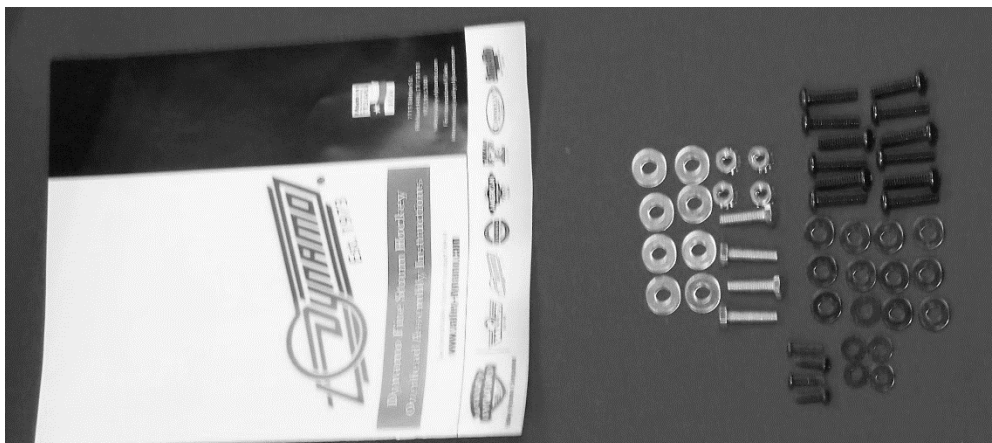
Parts and Tools

Before proceeding, we recommend having these tools:

- Socket Wrench with a 7/16" Socket
- Phillips Screwdriver
- Tape
- Pliers – regular or needle-nose (preferably one of each)

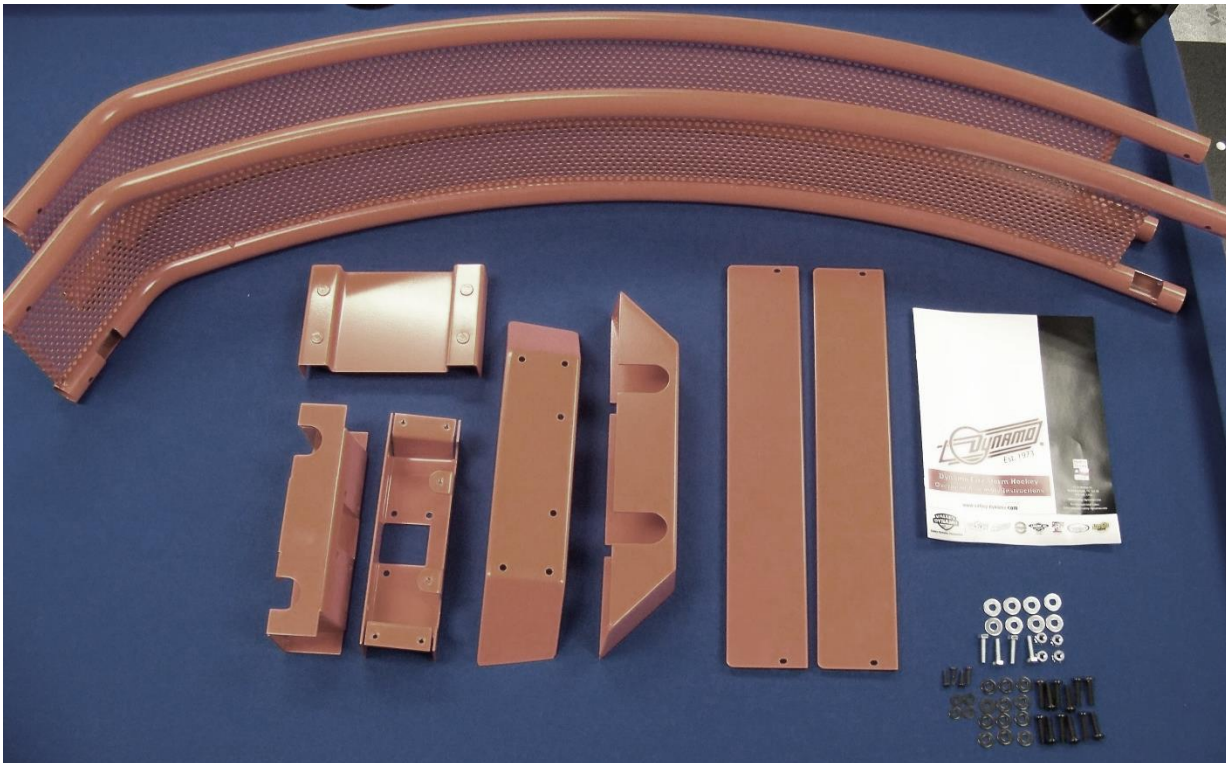
... this hardware included in your kit

• ¼"-20 Kep Nuts (870052105)	4
• ¼" Flat Washers (870048105)	8
• ¼" Black Washers (870060105)	12
• ¼"-20 x 1" Hex Head Bolt	4
• ¼"-20 x 1" Black Bolt (870012307)	12
• #10 Black Washer (870046103)	4
• 8-32 x 5/8" Pan-head Phillips self tapping screw	4
• This instruction booklet (850404376)	1



...and these parts

- | | |
|---|---|
| • Complete Overhead Housing | 1 |
| • Overhead Housing Mounting Bracket (800450110) | 1 |
| • Diffuser Bracket (800450060) | 2 |
| • Overhead Tube (800450080) | 2 |
| • Side Mounting Bracket (800450100) | 2 |
| • Side Mounting Bracket Cover (800450090) | 2 |





Assembly Instructions

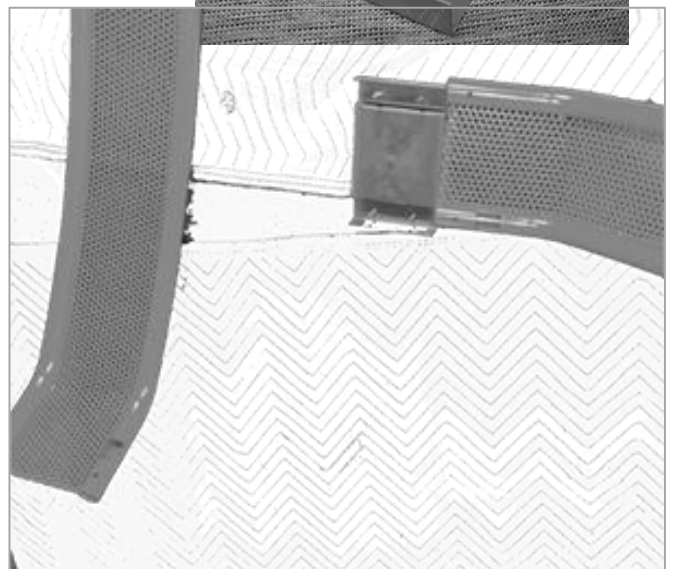
BE SAFE:

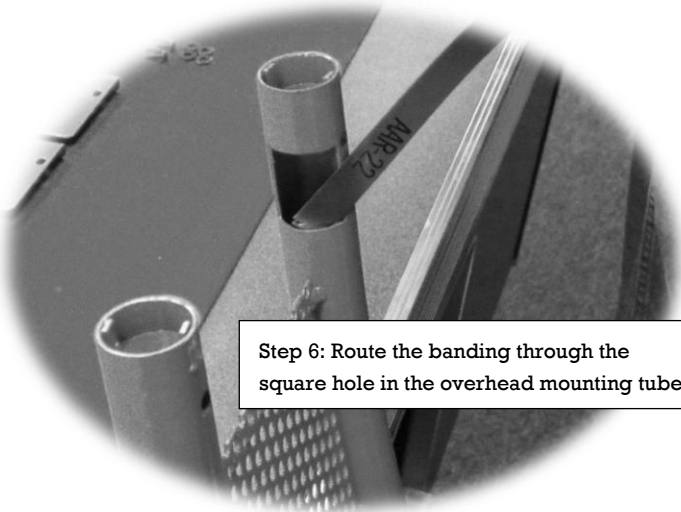
We recommended that you have at least two people involved in the setup of this overhead. Seriously. You do not want to drop the overhead on the playfield.

BE PREPARED:

Contact your Distributor immediately if any parts listed on the prior page are missing from your overhead or your bulbs arrived broken

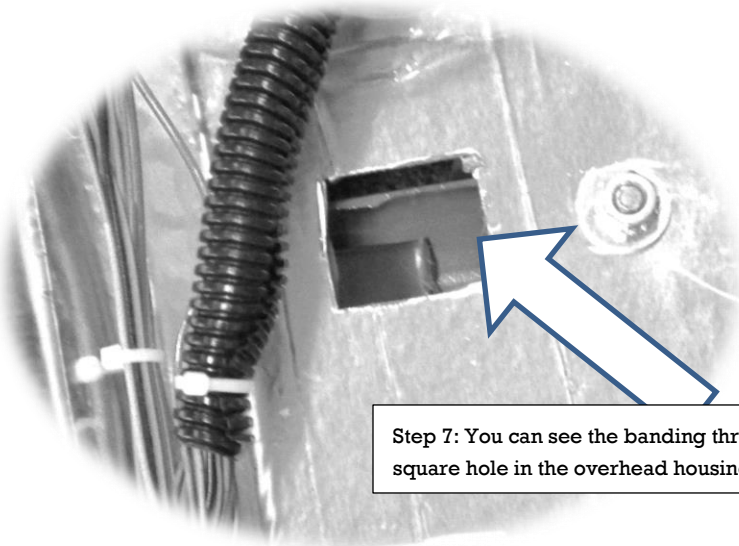
1. To reduce the chance of accidental bulb breakage: remove the safety diffuser screen and light bulbs from the overhead housing.
2. Install the 3-piece shield set as noted in your table's instruction manual. Use care when installing the overhead unit to avoid scratching or damaging the shields.
3. Place the Overhead Housing Mounting Bracket on the floor with its threaded bolts facing up.
4. Place the mounting tubes into the bracket channels, making sure the threaded bolts in the housing go all the way through.
5. Place the Overhead Housing on top of the bracket and tubes, aligning the 4 holes with the bolts. Secure using the ¼" nut and washers





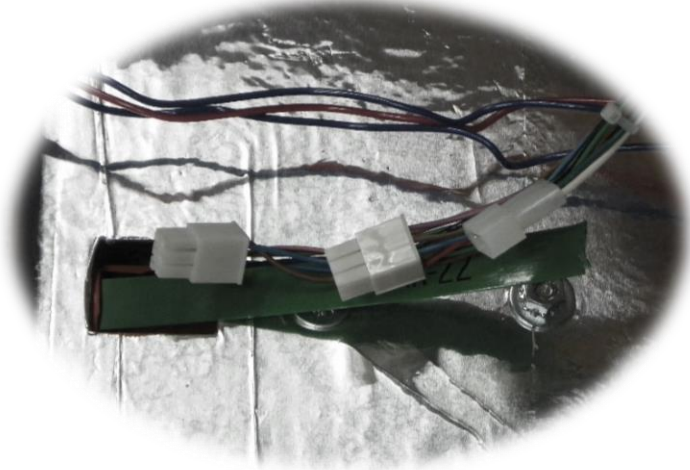
Step 6: Route the banding through the square hole in the overhead mounting tube.

6: The Fire Storm overhead's unique design has narrower-diameter tubes than the standard overhead and it can be a challenge to feed the Overhead Wire Harness from the housing through the tube. We suggest taking a piece of the nylon banding used to box your overhead (or table). Insert the nylon banding into the SQUARE hole at the base

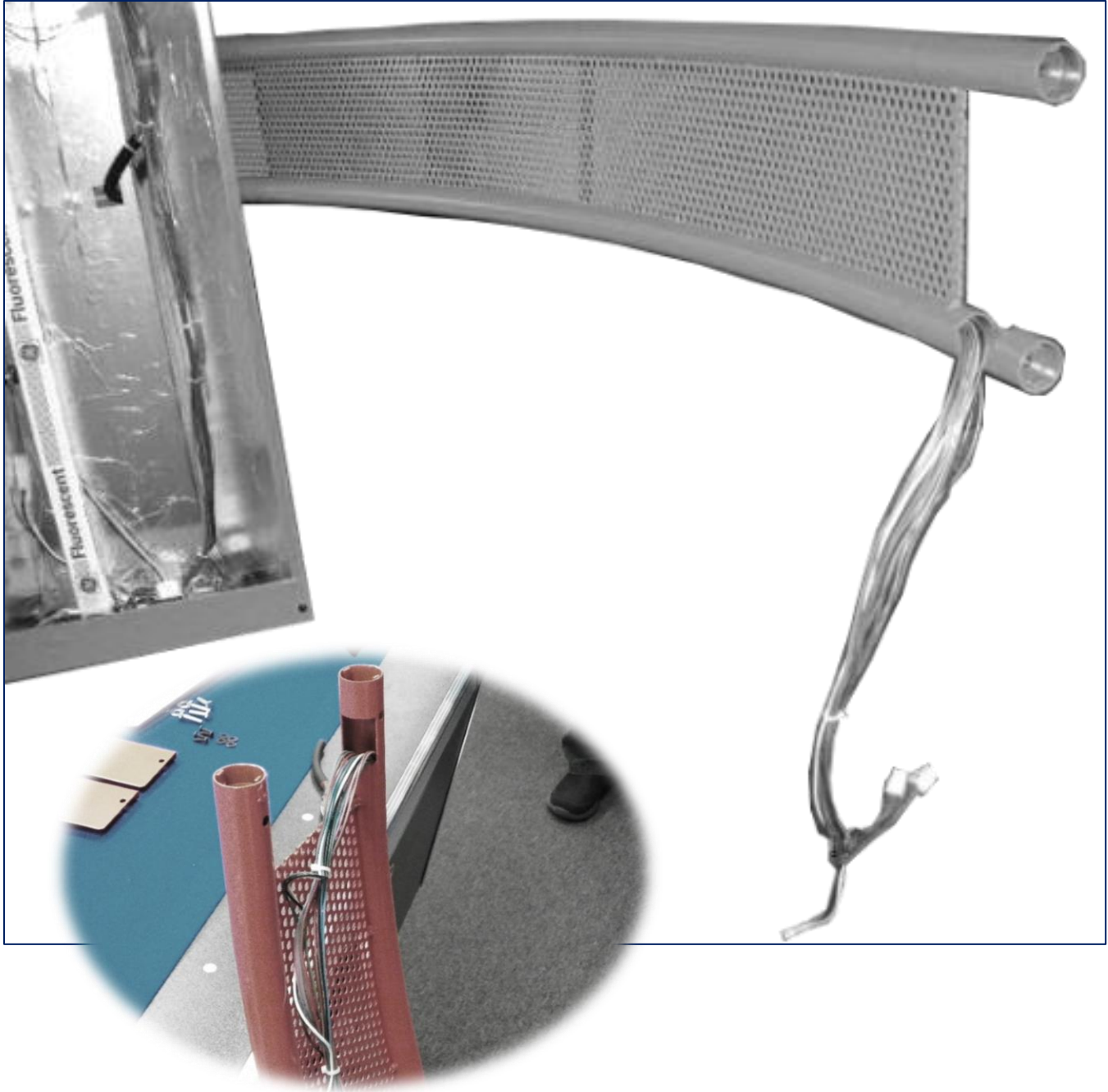


Step 7: You can see the banding through the square hole in the overhead housing.

7 ... and route it through the square hole in the top of the overhead housing

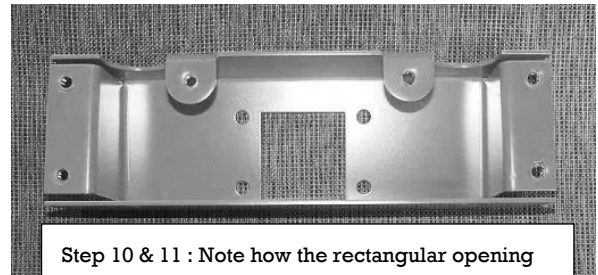


8 Securely tape all three components of the wire harness to the nylon strap (tape them one by one to the strap, obviously all three cannot pass through the narrow tube together) carefully pull the nylon strap back through the rectangular hole at the base of the overhead tube to route the connectors from the Overhead Scoring Unit to the table.



9. Now the Overhead Wire Harness has been routed through the overhead mounting tube and can be accessed on either side for connection
10. On the Front Side wall of the table (containing the long door secured with two locks) remove the four screws and washers found at the center of the table.

11. Secure a Side Mounting Bracket using the screws and washers removed in the prior step. This part is tapered to follow the angled side on the table and should be installed with the LARGE holes UP, and the two SMALL holes facing DOWN. Make sure this bracket is parallel to the top rail or your overhead will be crooked.

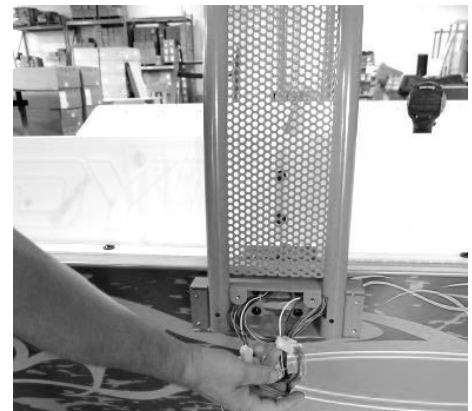


Step 10 & 11 : Note how the rectangular opening and four bolt holes on the side of the table match the rectangular opening and four bolt holes found in the Side Mounting Bracket. Always install this bracket large holes UP, small holes DOWN

12. Slide a Side Mounting Bracket Cover in place. For now, secure the bracket with one screw and washer in each corner. Thread just enough to hold the cover loosely to the bracket.

13. On the Rear Side Wall of the table (no service door, wire harness for overhead is secured) cut the wire tie holding the harness in place. Remove the 4 screws and washers as on the Front Side Wall.

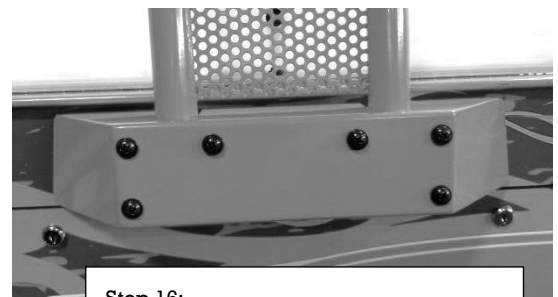
14. Feed the wire harness through the opening on the Side Mounting Bracket and secure using the four screws and washers from the previous step.



Step 14: On REAR side wall, feed the wire harness through the bracket opening.

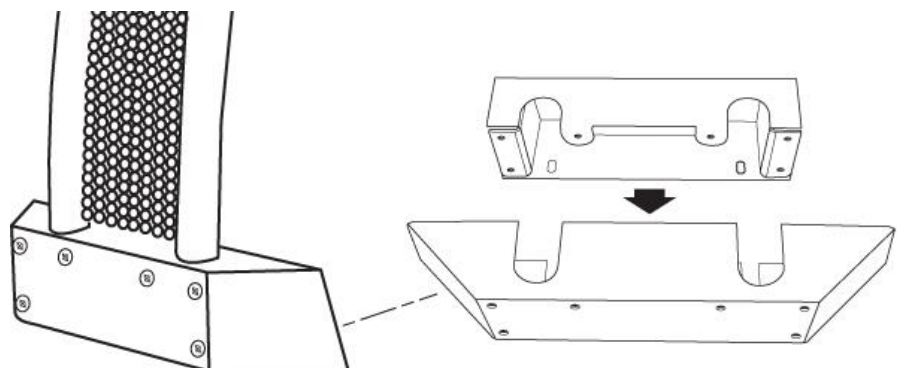
15. Have at least two people bring the assembled overhead to the table. Orient the side with the wire harness toward the Rear Side Wall.

16. Slide the overhead tubes into the Front Side Wall Side Mounting Bracket and tighten the four corner screws on the Mounting Bracket Cover enough to stabilize and hold the overhead. You will fully tighten this bracket in a later step.



Step 16:
On FRONT side wall above the service door. Don't fully tighten the bolts yet.

17. On the Rear Side of the table, have one person hold and stabilize the overhead, and another person connect the wire harness from the table to the overhead and install the Mounting Bracket Cover. Thread all six 1/4" Black Bolts using the included washers and then tighten fully.



18. Install the two hex head bolts through the

BOTTOM of the Rear side Wall Side Mounting bracket. Make sure they thread into the bottom of each tube as these are the primary attachment for the overhead. If these cross-thread, come loose or are otherwise not secure, your overhead will not be secure. Fully tighten these bolts.

19. Install the remaining two black bolts into the Front Side Wall Mounting bracket and you may now fully tighten all six bolts.

20. Now install the two hex head bolts through the **BOTTOM** of the Front side Wall Side Mounting bracket. Make sure they thread into the bottom of each tube as these are the primary attachment for the overhead. Fully tighten these bolts.

21. You may now reinstall the fluorescent overhead light bulbs, make sure they are properly seated and lock into place.

22. Apply power to the table. Both bulbs should illuminate immediately. If either or both bulbs do not illuminate, check to make sure they are seated to the sockets as described in step 21. If the bulbs still do not illuminate, contact Valley-Dynamo Tech Support.

23. Reinstall the safety diffuser, secure the diffuser brackets using the $\frac{5}{8}$ " Phillips screws and #10 black washers.



Step 18:
View from beneath the overhead bracket. These bolts actually attach the overhead, so make absolutely sure they are solidly threaded, and fully tightened.



Step 23:
Secure the diffuser brackets once the lights are functional and the diffuser grid has been installed.



Closing Notes

Just as with the disks and instructions sent with that brand new Computer, Phone, Television, Printer, practically ANY electronic device these days, information can and will change between the time this was printed and the time you reached for the manual. Sometimes between printing and actual purchase.

The most current and complete troubleshooting, technical and parts breakdown information can be found at any time at

www.valleydynamoparts.com

For additional assistance:

Email anytime: techhelp@valley-dynamo.com

**During business hours (Central US Time): call 972.595.5300
and follow the prompts for Tech support**

We hope your proudly American-built Dynamo Hockey table provides decades of trouble-free enjoyment. Thanks again for considering Dynamo.

May2021 version

