



Dynamo Pool Online Service Manual and Instructions

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



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Valley-Dynamo Companies





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Warranty Details

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® Pool tables. **90 days** on Original Equipment Batteries and 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 via ground freight 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 with the failed part 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, burns or mishandling
- 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

SPECIAL NOTE REGARDING BATTERIES – Battery failures due to a Manufacturer’s Defect will show up almost immediately. Regular and complete charging of your table’s battery is crucial for long functional battery life. Battery failures after the first 90 days almost always result from not charging the battery fully or regularly. The current Dynamo electrical system allows for a full battery charge in just 6 to 8 hours. Your location may TELL YOU they charge the battery. Are you certain?

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.



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 FOR ELECTRONIC/DBA TABLES

- 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.VALLEYDYNAMOPARTS.COM



Assembly Instructions

Congratulations on purchasing a Dynamo Pool table

BE SAFE: Pool tables are VERY HEAVY. We strongly recommend that you have no less than two people for the setup, at least three, and preferably 4 for an 8-foot table.

Lay the box flat on the floor, mindful of the marking "This Side Up." Cut the banding straps and remove the top portion of the box completely. Lower the sides of the box bottom by cutting or tearing vertically at all of the corners. Remove all staples to prevent scratching the table.

Open the coin door and remove the cash box lid, and the cash box with its contents.

The keys to open the coin door and ball view/clean out/trapdoor will be taped to the push chute

The table should now be carefully lifted onto its side (the coin housing assembly is on the opposite side, and will be pointing towards the ceiling when the table has been lifted). This procedure should be accomplished by two people tilting the table from the short **ENDS, not lifting from one long side. This very heavy table could land on you and probably cause injury if you lose your grip while lifting the table from its side.**

Removal of the legs and set up.

1. Using a #106 (BVD/COD/TD) key, open the trapdoor on the bottom of the table.
2. Remove the large wing nut that secures the legs during shipping.
3. Pull the legs on the right side out of their holding bracket. Then pull one leg out at a time from the left side. Next remove both right legs.
4. Replace the wooden block and bolt that secured the legs for future use.
5. Replace the trap door and lock it.
6. Bolt the legs onto the bottom of the table using a ½" socket wrench or straight slot screw driver.
7. Screw the leg leveler completely into the legs and turn the table upright.
8. Position and level the table, using an adjustable wrench.

For removal and storage of the legs follow steps 1-6 in reverse order.



DBA Table Batteries

The battery on the Dynamo Sedona DBA is 12 volts, 18 amps, and a 3amp charger allows for faster charges. The battery and charging point are relocated to the end of the table, away from the secure area of the cash boxes, and accessed by an enlarged Clean Out Door. If your locations are involved in the battery charging process, this eliminates the need for them to have access to the cash box area while maintaining the battery.

Battery Voltage Quick Check

Table should be in the Normal Pricing mode.
Press and hold down the Start button for 10 seconds.
Display will show

- current time
- version of software
- current voltage

To Exit Press and release the Start Button.

**To get a true voltage reading the table charger cannot be plugged in.
The Quick Check function will not work on a table currently in Happy Hour.**

BATTERY QUICK CHECK
Display shows time, software version
Battery voltage
At 12.84v this table's battery is sufficiently charged



Battery on the floor of the table,
charger to the left, Clean Out Access panel
wing nut at upper right

Charging the battery:

Make sure your battery has a full charge prior to placing your table into service. Even though your battery is fully charged when it leaves our facility, just sitting in the table during warehousing and transport will allow some discharge from the battery.

Please be sure to FULLY charge a new battery prior to installing it in the table. This process takes at least 6 hours (*using our 3amp charger*) if the battery is not hooked up to the table,

- WE RECOMMEND A 6 HOUR INITIAL CHARGE.
- If the table is in play mode, we recommend a 7-hour initial charge.
(*figures based on use of our 3-amp charger*)

You cannot “top off” your battery if it is a volt or two low. Plugging it in for a quick one-hour charge will not do the job. Your battery performs best with a full charge.

Make the time!!

- Not charging your battery completely will eventually damage the battery. Maybe not today, maybe not next week, but a lot sooner than you’d like.
- By not charging the battery completely, eventually you will **never** be able to charge it completely no matter how long you leave it plugged in.
- Your battery will be damaged if significantly discharged—imagine if running your car down to ¼ tank caused **permanent damage** to your engine.
- A lead-acid battery cannot be overcharged with our charger. Don’t worry that you have left it plugged in for too long. **It doesn’t care.**

RECHARGE THE TABLE’S BATTERY REGULARLY EVERY TWO WEEKS

Low Battery Warning and Battery Protect mode:

When the voltage on your battery drops to 12.3 volts or lower, the Sedona DBA will show a “Low Battery – Please Charge” warning on the table’s LCD Display. Have your location notify you immediately if this warning appears so that you may take action to prevent permanent damage.

At 12 volts, the message changes to “Low Battery – DBA Off.” Your Bill Acceptor will not function at this point and games can be vended only by using coins. Customers will notice.

At 11.8 volts, the display shuts off completely and will not return until the battery is charged, or replaced with a charged battery. Games can only be vended using the manual push chute.

If the battery is allowed to drop below 10.5 volts, it will become damaged and will no longer hold a full charge. Never. Not even if you plug it in for a month. It may even show 12+ volts, but will no longer be capable of generating enough amps to keep your system going for more than a couple days before going dead again.

More often than not, a battery that will “no longer hold a charge” was not the battery’s problem. It was not charged regularly, or sufficiently, or at all.

Battery Warranty Reminder

Your Dynamo table is covered by a one-year Warranty to be free of defects, but the Warranty coverage on the Battery is limited to 90 days. Proper battery care is *critical* to guarantee a long life for your battery.

Not charging the battery completely or regularly is guaranteed to shorten battery life.

It will become clear within the first few days or weeks if a battery is defective. Battery failures several weeks or months into a pool table’s service life are rarely a result of a manufacturing defect.

On occasion we have received calls that after three months in a location, every table’s battery is suddenly defective. Not a single battery will hold a charge. This is not a defective battery issue, it is a charging issue.

**Do you trust your locations to collect for you?
Why trust them to charge your battery?**

BATTERY DISPOSAL:

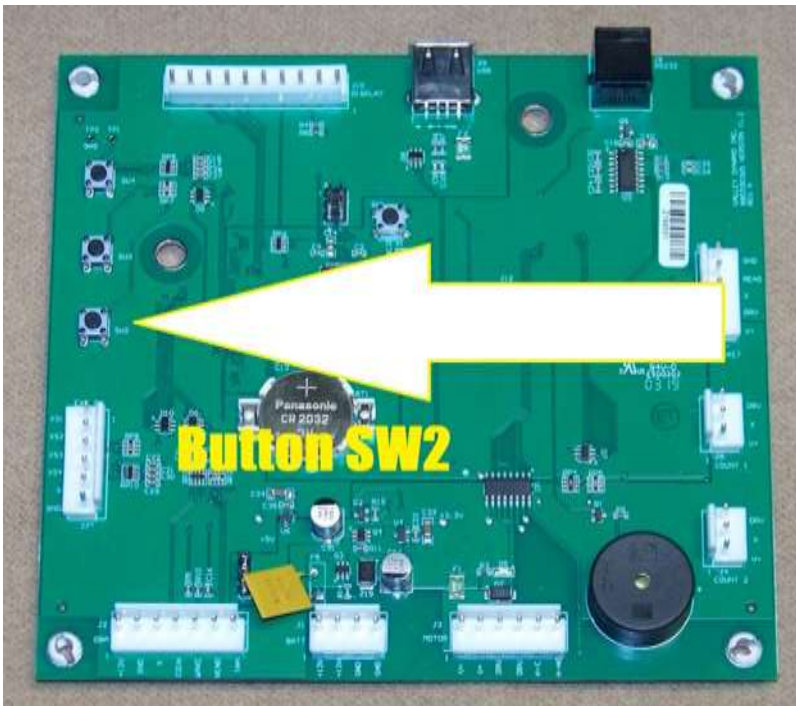
Lead-acid batteries should never be discarded by just tossing them in the trash. Make sure your batteries are disposed of properly and safely. For more information, call 888-USA-4001 or visit www.interstatebatteries.com (check the “Recycling” link) to learn about Battery Recycling





Programming Basics

To begin programming, open the table's DBA Coin door and locate button "SW2" on the main PCB



To go into program mode hold down the SW2 switch as the display counts down from 5, release after your display shows



After entering program mode, most of your programming will be done using the buttons mounted on the coin door.



Use the **Start** button (top) to enter a program group or increase the option.

Use the **Speed Pool** button (bottom) to decrease the option.

Use the **Select** button (middle) to navigate to the next option.

If selecting the "No" option on any "Yes/No" choice, the program skips forward to the next Sub Group or program group.



Programming Basics

RACK COST – The base price per game for your Sedona DBA. This dollar amount should match the table's push chute value.

CREDIT LEVEL OPTIONS – Up to 3 bonus pricing options available. Use these options to award extra games for a larger buy in. If the normal Rack Cost is \$2.00/game, use a Credit Level option to offer 5 games for \$5.00.

TIME PLAY – Use the **TIME COST** and **TIME MINUTES** settings to charge based on a time period rather than per game. The clock and Speedpool functions of the Sedona DBA can give you more promotional options in a location.

TIME BONUS – Just as with Credit Level bonus pricing, you have the option to award extra time for a larger buy in. If the normal Time Play rate is \$5.00 for 30 minutes, you can offer 70 minutes for a \$10.00 buy in.

If Time Play is not appropriate for your location, this feature can be turned off.

HAPPY HOUR – The Sedona DBA can offer as many as 3 “Happy Hours” daily. You can program the table's internal clock to offer reduced pricing to stimulate additional business at slow times, or increase pricing during peak hours, or even schedule free play during league hours and avoid leaving a key to the table with that location. Happy Hour pricing is available for both Rack Play and Time Play

COMPLETE PROGRAMMING INSTRUCTIONS, DBA DETAILS AND WIRING SCHEMATICS CAN BE FOUND AT WWW.VALLEYDYNAMOPARTS.COM



Set the clock

After you have entered program mode, use the **Speed Pool** and **Select** buttons to scroll to the Time-Day program group. (although Time-Day should be the first option to appear when entering program mode).

```
PROGRAM GROUP:  
TIME-DAY
```

Press the **Start** button to enter this Program Group.

SET HOUR - Press the **Start** button to advance to the correct hour or the **Speed Pool** button to go backwards.

```
SET TIME:  
16 HRS
```

The clock is on 24H/Military time. 4 PM would be 16
Once the Hour is set correctly, press the **Select** button

SET MINUTE - Press the **Start** button to advance the minutes or the **Speed Pool** button to go backwards. Once the Minutes are set correctly, press the **Select** button

SET DAY - Press the **Start** button to advance the day. Once the Day has been set correctly, press the **Select** button to exit this Program Group.

```
SET DAY:  
FRIDAY
```

At this point you may continue with additional programming by selecting another group, or use the **Speed Pool** and **Select** buttons to scroll to the EXIT PROGRAM option.

The PCB has a battery dedicated to clock function. A loss of power no longer means resetting the clock or reentering all your daily programming.



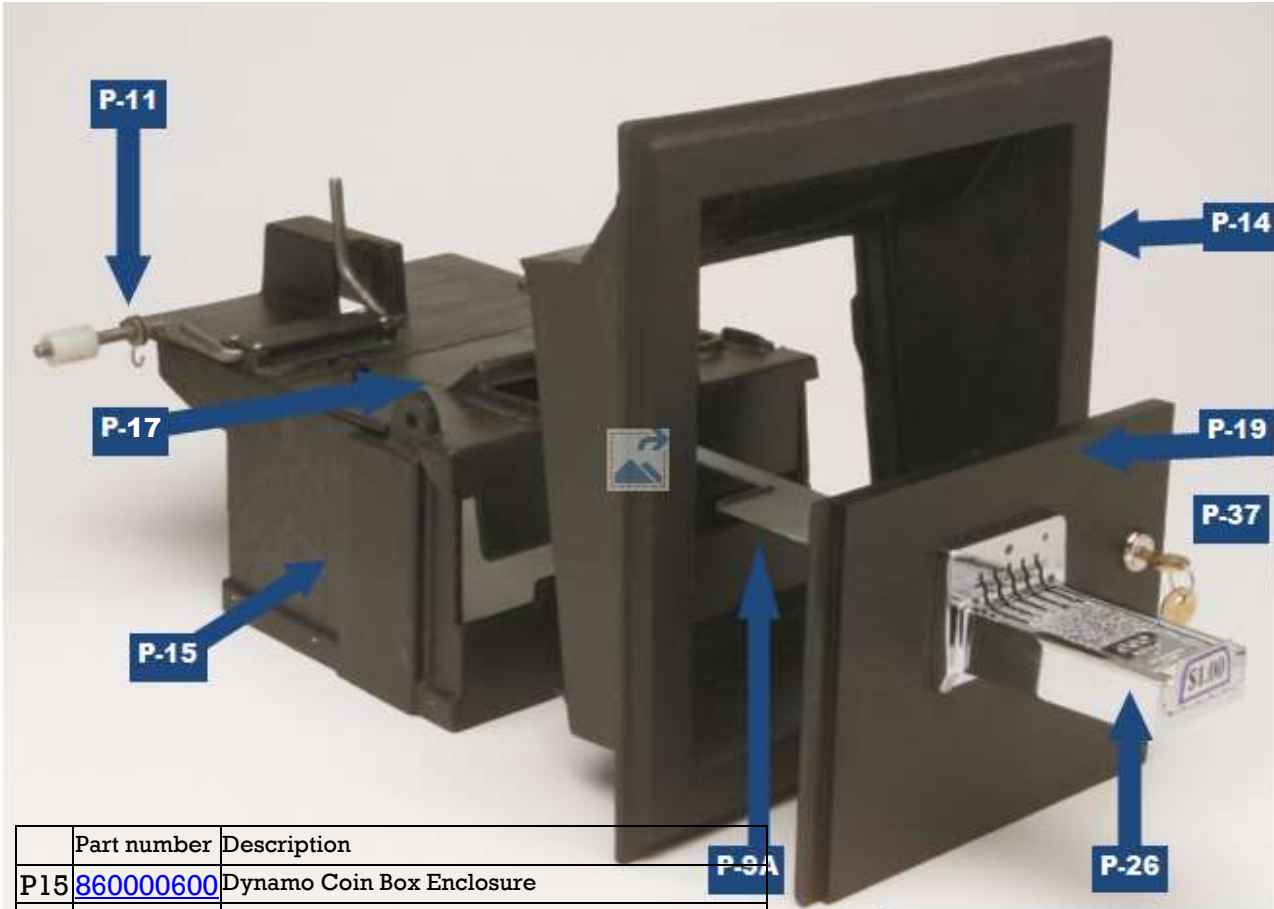
ESD Push Chute

All Dynamo Sedona and Sedona DBA tables are equipped with a push chute. If the battery protection measures and reminders to keep the battery charged all still result in a dead battery, your Sedona DBA can still be used. Setting the dollar value of your table is not fully complete until you set the push chute to match.

[Click on this link for complete directions](#)



Coin Housing Breakdown



	Part number	Description
P15	860000600	Dynamo Coin Box Enclosure
P17	860000900	Dynamo Coin Box Lid
P11	800204010	Dynamo Tripper Rod (for door-mounted counter)
P14	860000402	Dynamo Coin Door Frame (Black)
P14	860000405	Dynamo Coin Door Frame (Red - closeout)
P19	860001900	Dynamo Coin Door (Black)
P26	890000630	V8 Push Chute— can be set up to \$1.75
P26	890000620	V5 Push Chute—can be set up to \$1.25
P9A	20600046	Push Chute Extension
P37	980000355	Coin Door Lock



Selected Parts List

Part Number	Item Description
NI20200020	CUSHION RAIL BOLT (¼-20 x 4½")
NI20200030	LEG BOLT (5/16-18 x 1½")
20607560	LEG LEVELER
20900016	ARAMITH BALL SET W/DURAMITH MAGNETIC CUE BALL
20900046	CUE BALL, DURAMITH WITH PURPLE LOGO
21700022	BALL STOP
030000130	KEY #106
710200400	POCKET LINER SET (6 PIECES)
720200400	CASTING, CORNER (CHROME)
720201037 or 1835	SIDE TRIM, MODEL 38 (7 FOOT)
720201047 or 1850	SIDE TRIM, MODEL 48 (8 FOOT)
720201737	END TRIM, MODEL 38 (7 FOOT)
720201747 or 1845	END TRIM, MODEL 48 (8 FOOT)
800200200	BALL FLAP
860000300	DOWN CORNER
860001325	BLACK DYNAMO LEG
860200100	CUE BALL RETURN RING
710200700	GULLEY BOOT SET (6 PIECES)
960201538	COVERED CUSHION RAIL SET, MODEL 38 (7 FOOT)
960201548	COVERED CUSHION RAIL SET, MODEL 48 (8 FOOT)
960202537	UNCOVERED CUSHION RAIL SET, MODEL 38 (7 FOOT)
960202547	UNCOVERED CUSHION RAIL SET, MODEL 48 (8 FOOT)



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 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, and parts for your table, 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 table provides decades of trouble-free enjoyment. Thanks again for considering Dynamo.





THE PERFECT COMPANION PIECE TO DYNAMO POOL

Perhaps you've heard we make a pretty good hockey table too. Dynamo offers a full line of hockey tables with a wide range of sizes, features and price points. All Dynamo products are proudly built in Richland Hills TX USA.

Contact your distributor today, or check out the full Dynamo line as valley-dynamo.com.