



OWNER'S MANUAL

Perfect Pitch Mechanical Pitching Machines

Applicable for Perfect Pitch 45 MPH (HC129) & 50 MPH (PP149)

www.HeaterSports.com

Model No's. HC129 & PP149

Serial No. _____

Write the serial number in the space above for reference.

ACTIVATE YOUR WARRANTY

To register your product and activate your warranty, call 1-800-492-9334

CUSTOMER CARE

For customer service inquiries, please call our toll free line at 1-800-492-9334.

⚠ CAUTION

Read all precautions and instructions in this manual before using this product. Keep this manual for future reference.

Instructions Date: 12/2018

Version: 00001



DO NOT RETURN TO STORE, CALL 1-800-492-9334

WARNING LABELS & CAUTION

CAREFULLY READ ALL WARNINGS & CAUTIONS BEFORE OPERATION.



WARNING

- Adult operation and supervision required at all times.
- Machine may cause serious bodily injury if used incorrectly.
- Make sure ball path is clear before pitching balls.
- Never stand directly in front of machine.
- Always test ball flight before using.
- Batters must wear helmets.
- Throw only recommended balls. Do not throw other objects.
- To avoid injury, disconnect spring when not in use.
- Never operate the machine when not working properly. Call 1-800-492-9334.

IMPORTANT

Step on Foot Pedal with foot and hold until after ball is released.

Questions? Call: 1-800-492-9334

- **UNDERSTAND YOUR PITCHING MACHINE.** Read this Owner's Manual carefully and understand how your machine operates prior to use.
- **INSPECT MACHINE BEFORE EACH USE.** Always check machine prior to each use. If machine is damaged or you have questions, contact Heater Sports and a technician will help you (800-492-9334). Using the machine while in damaged condition could cause serious bodily injury.
- **DO NOT ALLOW CHILDREN TO OPERATE MACHINE. ALL OPERATORS MUST BE 18 YEARS OR OLDER.** Adult supervision is required at all times. This machine is not a toy and if used improperly, could cause bodily harm. Never allow children to operate or be near machine when in use. Doing so may result in serious bodily injury.
- **MAKE SURE BALL PATH IS CLEAR BEFORE PITCHING BALLS.** Always make sure no person or object is in the path of the throwing arm or ball path. Failing to do so could result in serious bodily injury.
- **NEVER STAND DIRECTLY IN FRONT OF MACHINE.** Never allow anyone to stand directly in front of the machine's throwing arm. The throwing arm can be under extreme pressure and if released can cause serious injury. Always keep body parts and objects out of the path of the machine.
- **ALWAYS TEST TRAJECTORY OF PITCH BEFORE PITCHING TO BATTER.** ALWAYS test the pitch location and speed before allowing a batter to step in front of the machine.
- **BATTERS MUST WEAR HELMETS.** ALWAYS use an NOCSE approved batting helmet when batting and use an L-Screen or Protective Net when pitching to batter.
- **THROW ONLY RECOMMENDED BALLS. DO NOT THROW OTHER OBJECTS.** Never throw any foreign objects with the machine. Some may wish to throw balls such as lacrosse, tennis, or other balls - make sure balls fit on machine properly before using.

• **TO AVOID INJURY, DISCONNECT SPRING WHEN NOT IN USE.** To extend the life of your spring and to ensure no injury can occur when not in use, always disconnect the spring from the foot pedal. In addition, Heater Sports recommends replacing your spring every season to ensure you get the most accurate pitching and best performance.

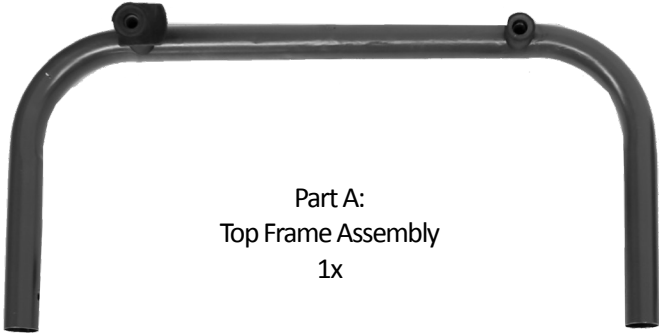
• **DO NOT USE MACHINE OUTSIDE WHEN THE WEATHER IS WET OR COLD.** Using the machine in a wet environment will ruin the machine. Water may not only damage the machine but also the operator or batter. Temperatures below 65 degrees may effect the durability of the spring. Always make sure machine is used in warm and dry temperatures to prevent this from happening.

• **STORE MACHINE IN A CLEAN, DRY AREA.** When storing, be sure to keep machine clear of any area containing moisture. Any area where moisture is present may cause the spring to break. Heater Sports recommends using a cover to prevent moisture & dirt from affecting machine. Remove spring from machine for safety when not in use.

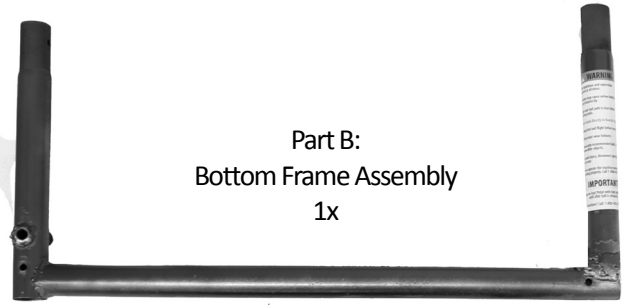
• ***IMPORTANT: STEP ON FOOT PEDAL WITH FOOT AND HOLD UNTIL BALL IS RELEASED.** When stepping on foot pedal to pitch, always keep foot on pedal until the throwing arm has stopped in motion. Failing to do so could result in the machine or pedal bouncing and cause injury. Only push foot pedal with your foot, nothing else.

• ***IMPORTANT: ALWAYS USE STAKES WHEN PITCHING ON GRASS OR DIRT.** To have the most accurate pitches, always use the provided ground stakes. For indoor use, use sand bags (sold separately) to provide added stability.

ASSEMBLY PARTS



Part A:
Top Frame Assembly
1x



Part B:
Bottom Frame Assembly
1x



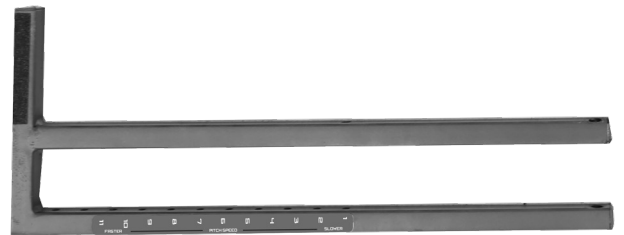
Part C:
Front Leg
1x



Part D:
Back Leg
1x



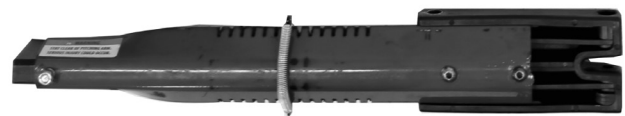
Part E:
Ball Release Arm
1x



Part F:
Foot Pedal
1x



Part G:
Ball Protector
1x



Part H:
Throwing Arm Assembly
1x



Part I:
Spring Attachment Assembly
1x



Part J:
Height Knob
1x



Part K:
Leg Tips
3x

HARDWARE (Actual Sizes Shown)

Use This Page To Measure Hardware



Part L: (Longest): Throwing Arm Bolt 1x
(M10 x 140, 1.50 Pitch)



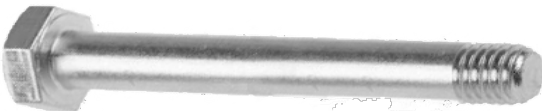
Part M: (Middle): Release Arm Bolt 1x
(M10 x 120, 1.50 Pitch)



Part N: (Shortest): Foot Pedal Bolt 1x
(M10 x 110, 1.50 Pitch)



Part AF: Front Base Bolt 1x
(M8 x 45, 1.25 Pitch)



Part O: Spring Bolt 1x
(M8 x 70, 1.25 Pitch)



Part P: Frame Bolt 3x
(M6 x 40, 1.00 Pitch)



Part Q: Ball Protector Screw 2x
(M6 x 30, 1.00 Pitch)



Part R:
Fender Washer
3x
(M10)



Part S:
Rubber Washer
2x
(3/8" ID, 1 1/4" OD)



Part T:
Large Flat Washer
6x
(M10)



Part U:
Large Lock Washer
2x
(M10)



Part V:
Flat Washer
3x
(M8)



Part W:
Frame Washer
6x
(M6)



Part X:
Small Lock Washer
2x
(M6)



Part Y:
Large Lock Nut
3x
(M10 - 1.50)



Part Z:
Mid-size Lock Nut
2x
(M8 - 1.25)



Part AA:
Frame Lock Nut
3x
(M6 - 1.00)



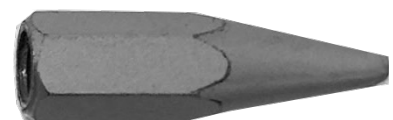
Part AB:
Acorn Nut
2x
(M6 - 1.00)



Part AC: Stake Carriage Bolt 2x
(M10 x 60, 1.50 Pitch)



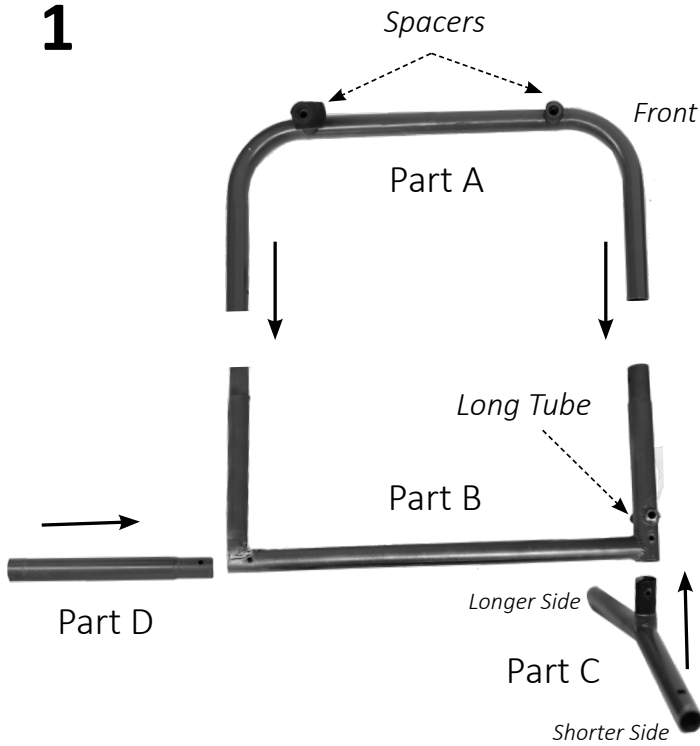
Part AD: Stake Spacer 2x



Part AE: Stake Spear Nut 2x
(M10 - 1.50)

ASSEMBLY INSTRUCTIONS

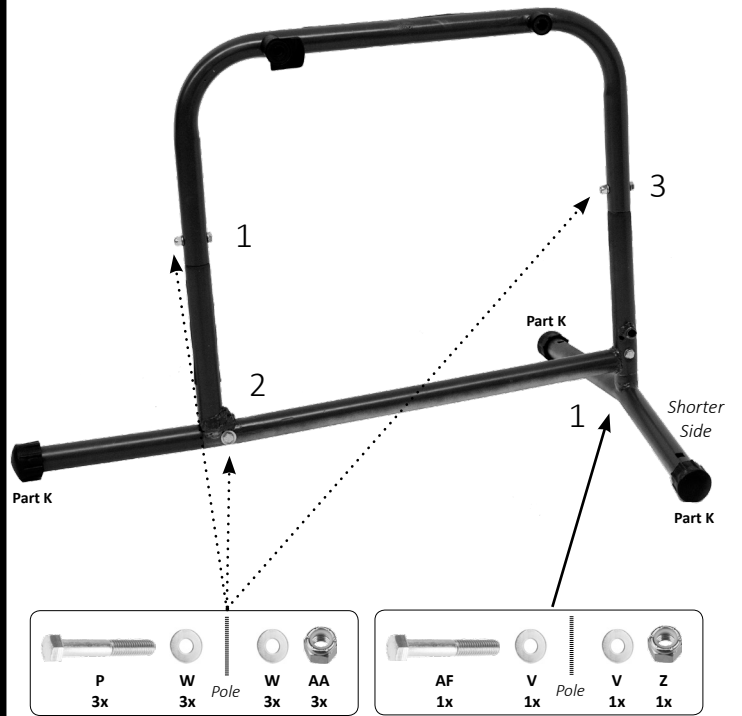
1



Slide Part A into Part B - making sure the shorter plastic spacer on A is in front and the small horizontal tube on B is also in front.

Then, slide Part D into the back of assembled frame (rotate 180 degrees if holes don't align) followed by sliding part C into the bottom of the frame. Make sure the shorter side of Part C is on the same side as the plastic spacers as shown.

2

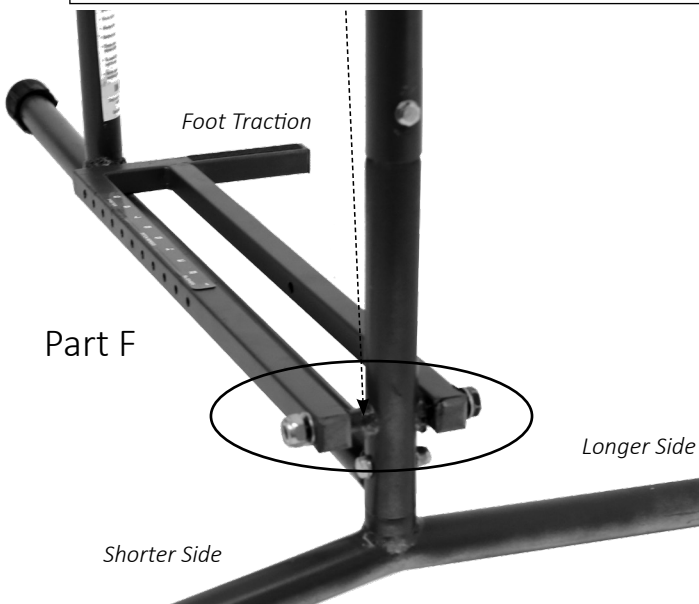
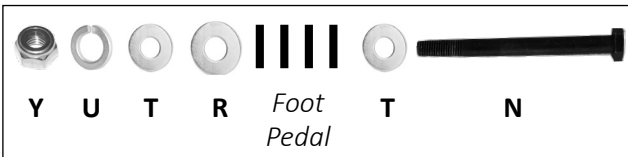


Secure Hardware Very Tightly!

Attach Part P, W, W, and AA hardware into the 3 locations as shown. Then, insert AF, V, V, Z in front base. **Front Base Holes Are Designed For a Tight Fit, You May Need a Ratchet to Screw Bolt Through Frame, Then Secure Nut Tightly.**

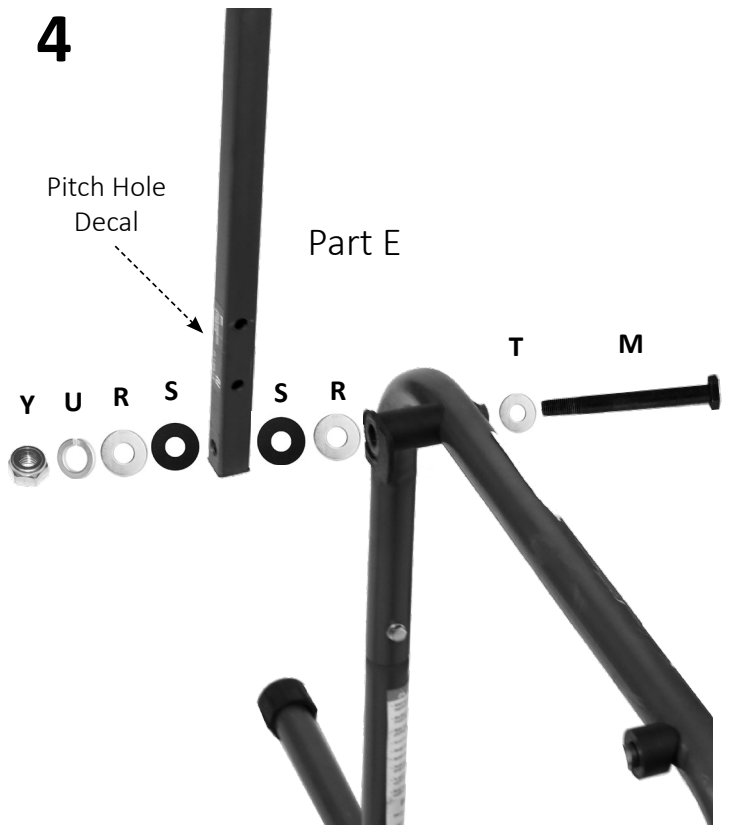
Add Part K leg tips to each of the 3 legs as shown.

3

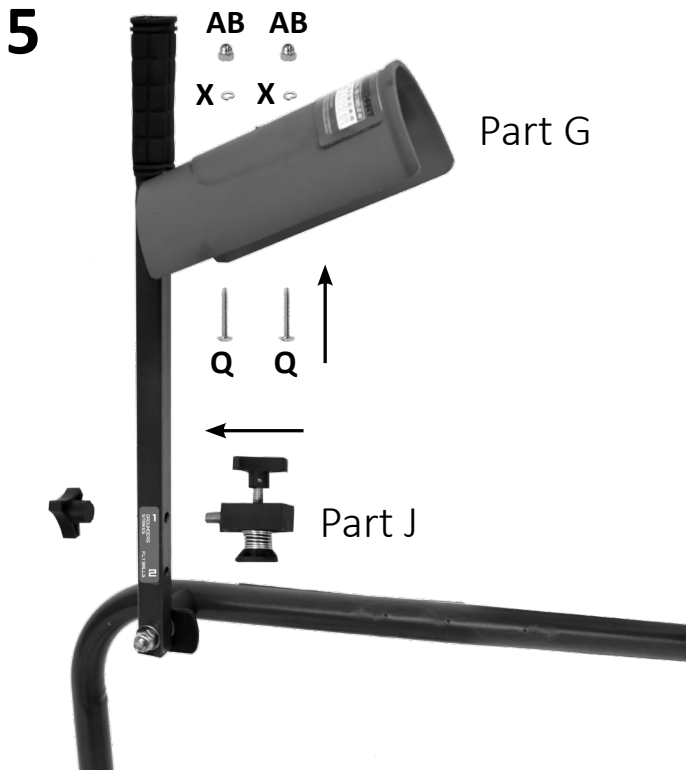


To attach Foot Pedal to Frame, follow the image instructions above. Tighten the Foot Pedal so it doesn't move side to side - but not too tight that it can't move up and down freely. Make sure Foot Pedal is attached as shown (Pedal foot traction should be on the same side as the warning label).

4

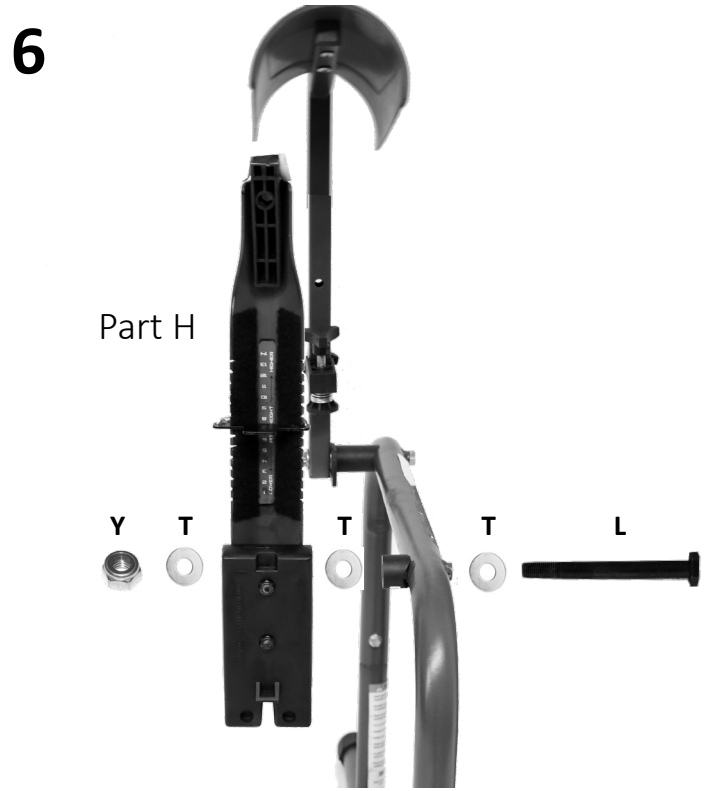


To attach Release Handle to Frame, follow image instructions above and tighten the Lock Nut to the Bolt securely so the handle is tight when moving forward or backward. Make sure handle is facing forward when attaching.

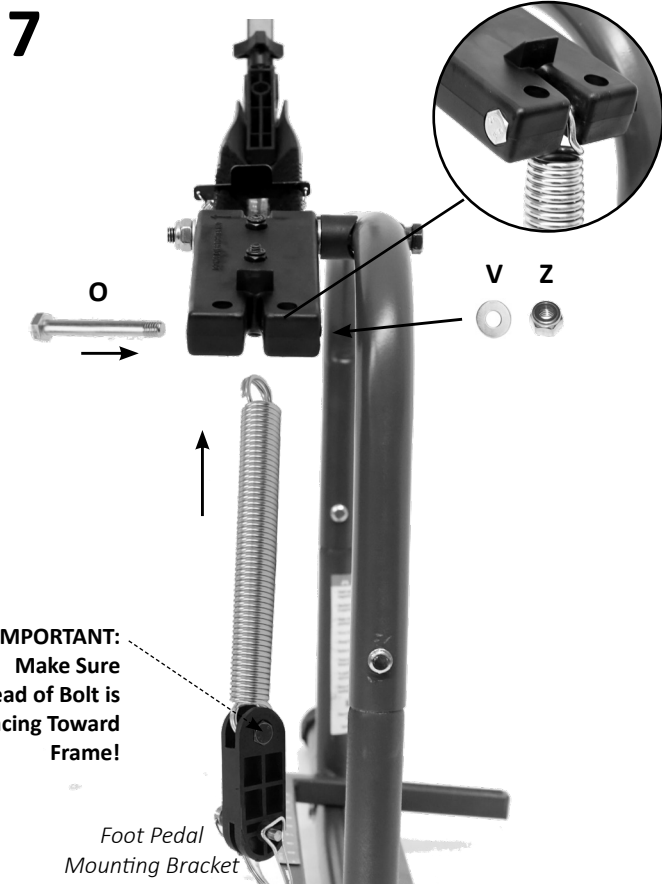


Attach Part G Ball Protector to Release Handle by inserting Q screws through the pole and the Protector. Secure with X washers and AB acorn nuts.

Then, insert Part J through Hole 1 on Release Handle for pitching.

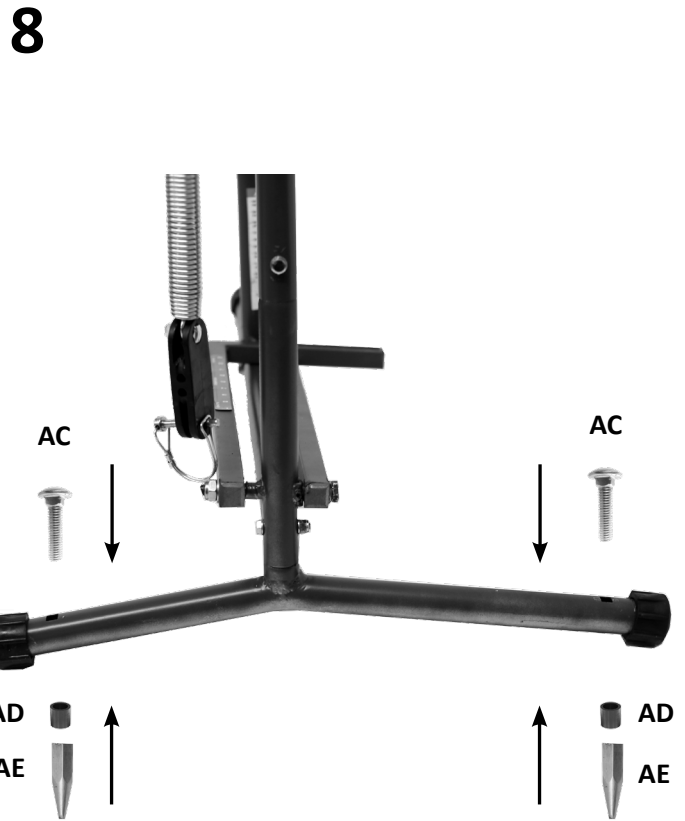


Locate Part H Throwing Arm Assembly and assemble to frame by securing with Hardware shown in image. **IMPORTANT: WHEN TIGHTENED, THROWING ARM SHOULD SWING FREELY SO THERE IS NO FRICTION OR TENSION. OVER-TIGHTENING WILL NOT ALLOW THE ARM TO SWING AS DESIGNED.**



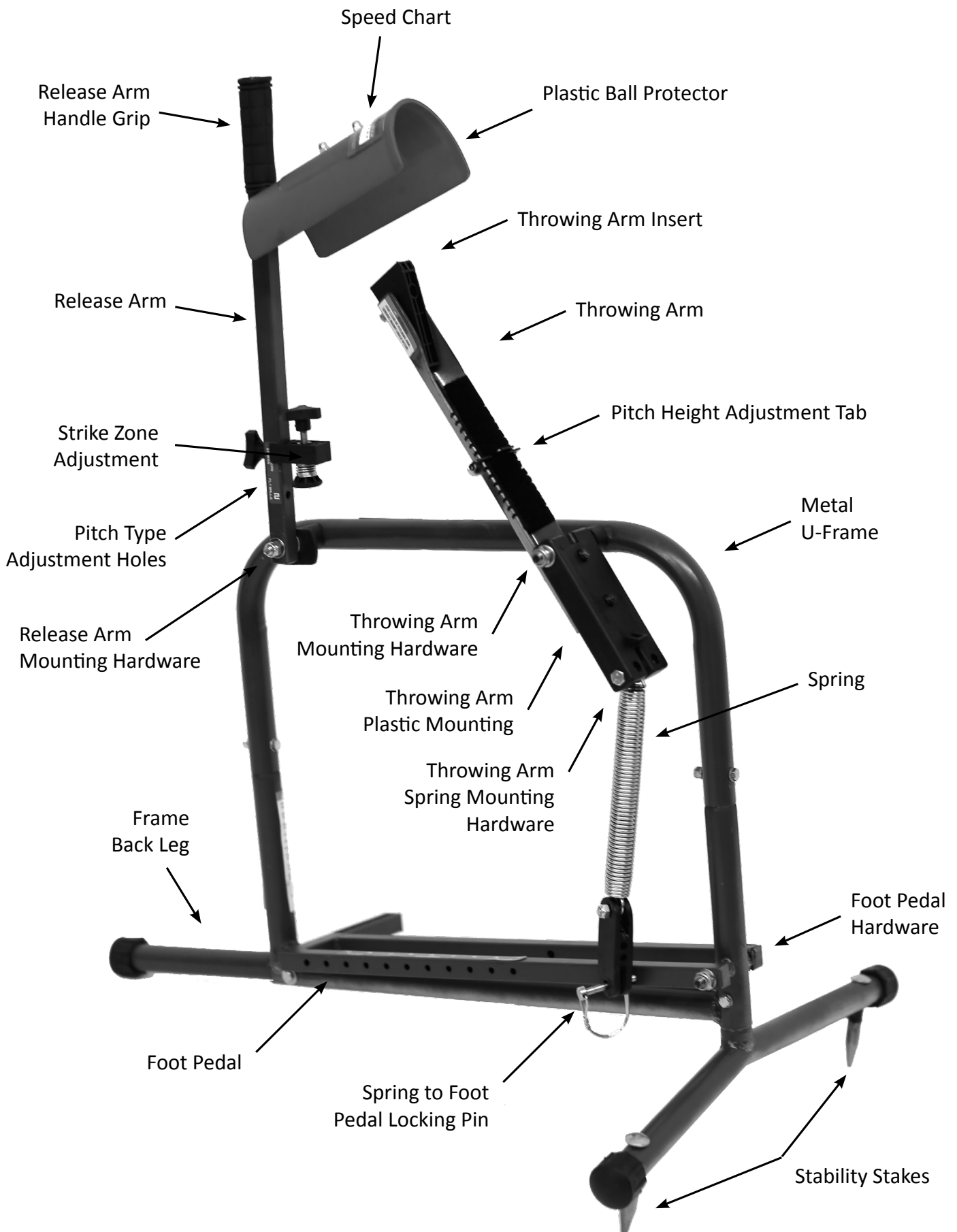
***IMPORTANT: Make Sure Head of Bolt is Facing Toward Frame!**

To assemble Spring to Mounting Arm, insert Spring into slot, then slide O Bolt to secure Spring. Use V washer and Z lock nut to secure assembly. **IMPORTANT: MAKE SURE THE SPRING IS INSERTED SO THE BOLT HEAD ON THE FOOT PEDAL MOUNTING BRACKET IS FACING TOWARDS THE FRAME AS SHOWN IN IMAGE ABOVE.**



When using machine on sand, dirt, grass, or any soft ground you should ALWAYS use the provided ground stakes to ensure the machine pitches accurately. Insert stakes into front leg of machine as the image above illustrates. If using machine on hard surface, do not use provided stakes, but use sand bags (sold separately) to help secure the machine. Never allow the machine to bounce or jump while using.

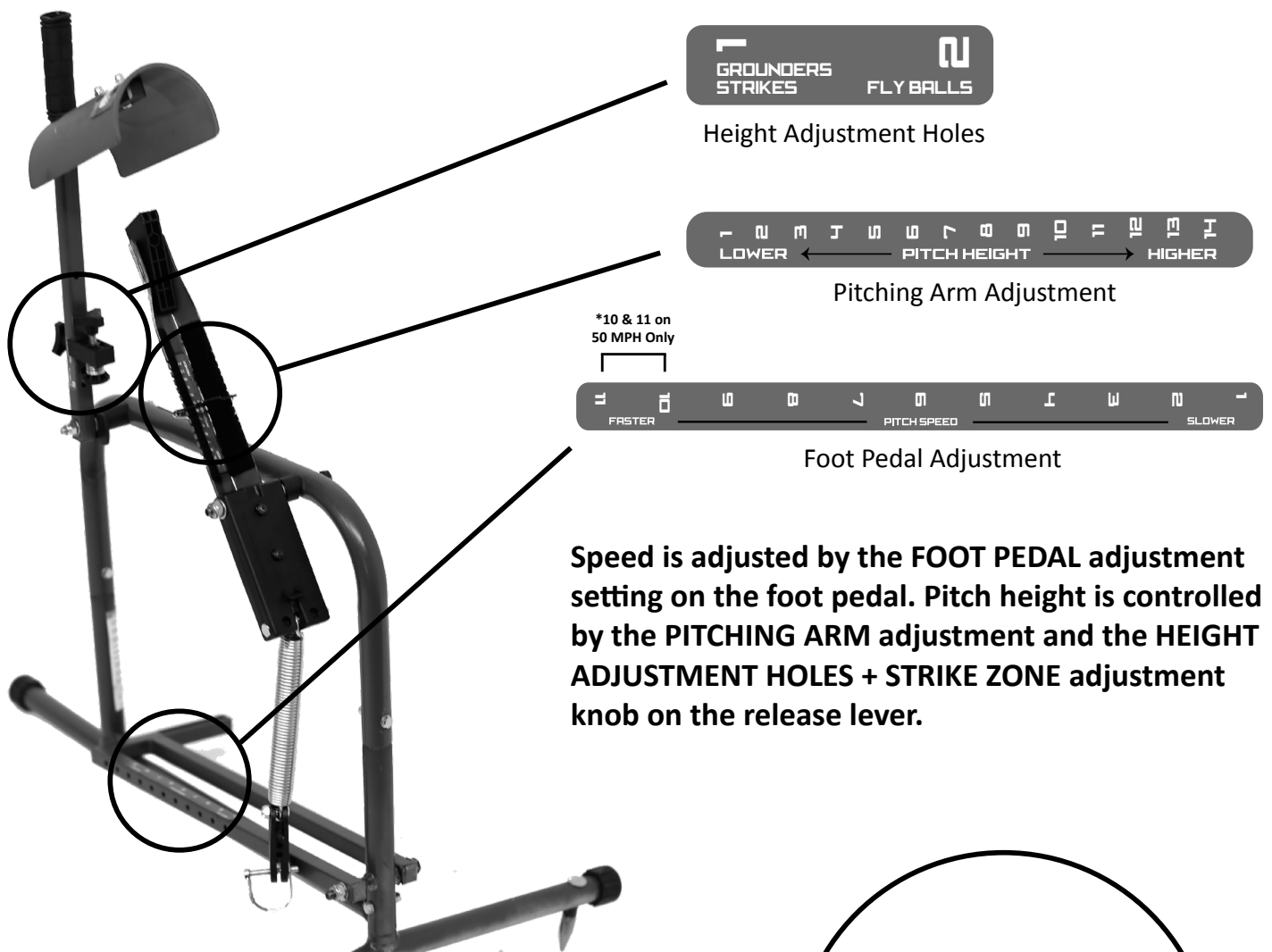
ASSEMBLED PRODUCT IMAGE



OPERATIONS MANUAL

Step 1: If using machine on grass, dirt, or soft ground, secure included Ground Stakes to front leg for added stability. If using indoors or on solid surface, remove ground stakes and if needed, use sandbags (sold separately) to add weight to the machine. Machine should not be able to wiggle or jump when pitching. If it does, this will affect the accuracy.

Step 2: Determine the speed and height of your pitch. Refer to the speed chart on the machine to set the machine as needed.



Speed is adjusted by the FOOT PEDAL adjustment setting on the foot pedal. Pitch height is controlled by the PITCHING ARM adjustment and the HEIGHT ADJUSTMENT HOLES + STRIKE ZONE adjustment knob on the release lever.



When locking SPRING to FOOT PEDAL, make sure safety hook is secured to ensure pin is completely secure in FOOT PEDAL. Failure to do so could result in serious bodily injury.

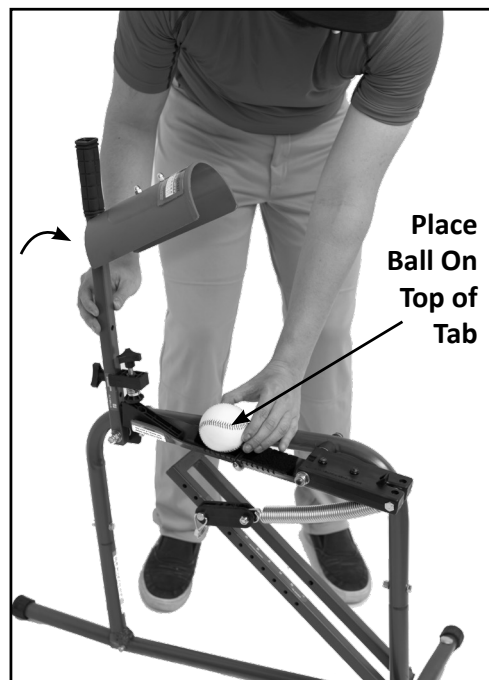


Foot Pedal

Step 3: Set Throwing Arm & Load a Ball



Pull Release Handle Back to allow Throwing Arm to be set in position.



Push Release Handle forward to lock the Throwing Arm in place. Then, place a ball on Throwing Arm.

Step 4: Step on Foot Pedal and Release



While pushing the Release Handle forward, step down on the Foot Pedal until it touches the bottom frame.



Slowly pull Release Handle Back to release ball. Hold foot on Foot Pedal until ball is released. Gently raise foot to reset.

NOTE: Strike Zone Adjustment located on Release Arm allows you to fine-tune pitches.



NEVER LOAD OR PITCH A BALL IF SOMEONE IS STANDING NEAR THE MACHINE OR IN THE PATH OF ANY BALL OR MOVING OBJECTS ON THE MACHINE.

Heater

PERFECT PITCH 45 SPEED CHART

BASEBALL - FOR STRIKES AT 46'

MPH	20	25	30	35	40	45
Foot Pedal	1	2	3	5	7	9
Pitch Arm	14	12	10	8	7	7

12" SOFTBALL - FOR STRIKES AT 40'

MPH	15	20	25	30	35	40
Foot Pedal	2	3	4	5	7	9
Pitch Arm	14	12	9	5	4	3

**45 MPH Machine
Model# HC129**

*For fly balls, set the Pitch Arm Stopper to 14 and adjust the Foot Pedal strength to the distance you desire.

This chart is a recommended starting setting. Your machine may differ slightly from the chart so YOU MUST TEST THE SETTINGS OF EACH MACHINE IN A SAFE AND SECURE AREA BEFORE EACH USE. MAKE SURE YOUR FOOT IS HOLDING DOWN THE FOOT PEDAL UNTIL THE THROWING ARM HAS COMPLETELY STOPPED MOVING. FOR QUESTIONS, CALL HEATER SPORTS AT 1.800.492.9334.

Heater

PERFECT PITCH 50 SPEED CHART

BASEBALL - FOR STRIKES AT 46'

MPH	25	30	35	40	45	50
Foot Pedal	1	3	5	7	9	11
Pitch Arm	14	10	8	7	7	7

12" SOFTBALL - FOR STRIKES AT 40'

MPH	20	25	30	35	40	45
Foot Pedal	2	3	4	6	8	11
Pitch Arm	14	9	5	4	3	3

**50 MPH Machine
Model# PP149**

*For fly balls, set the Pitch Arm Stopper to 14 and adjust the Foot Pedal strength to the distance you desire.

This chart is a recommended starting setting. Your machine may differ slightly from the chart so YOU MUST TEST THE SETTINGS OF EACH MACHINE IN A SAFE AND SECURE AREA BEFORE EACH USE. MAKE SURE YOUR FOOT IS HOLDING DOWN THE FOOT PEDAL UNTIL THE THROWING ARM HAS COMPLETELY STOPPED MOVING. FOR QUESTIONS, CALL HEATER SPORTS AT 1.800.492.9334.

Fly Balls:

To throw fly balls, set the Strike Zone Adjustment located on the Release Handle to hole "2". Then, set the Pitch Arm setting to "14" and set the Foot Pedal to the distance you desire. For a higher fly ball, position the machine on an incline such as a pitchers mound so the angle of the pitch is higher.

Guarantee & Warranty:

Heater Sports is happy to extend to you a 30 Day Money-Back Guarantee + 1 Year Parts and Labor Warranty on your Perfect Pitch Mechanical Combo Pitching machine.

Replacement Parts:

Replacement parts can be purchased from Heater Sports, by calling 800-492-9334. Please have your model# and proof of purchase ready to place an order.

Contact:

Please contact Heater Sports with any questions or suggestions for your pitching machine. We can be reached the following ways:

Online: www.HeaterSports.com

Toll Free: 1-800-492-9334

Email: MoreInfo@HeaterSports.com

