



SETUP GUIDE

SHOCKROCKET™

Launch. Land. Repeat.

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01 FIND A SUITABLE LOCATION

 *****Whether mounting a ShockRocket indoors or outdoors, try to find a level area as your target area. Making sure the base of the ShockRocket is level is most critical to its proper function.*****

a. INDOORS

- Ceiling - must anchor hook into a stud. The winches keeping the guide lines taught exert about 60lbs of force and will rip anchors out of the drywall.
- Pipe or other round object. Use the included top attachment with a worm gear. Purchase an appropriately sized worm gear from a hardware store. You will find worm gears in the plumbing section.

b. OUTDOORS

- Tree limb - Only a substantial tree limb will work. A smaller branch/limb will sway in the wind and cause damage to the ShockRocket. Choose wisely.
- Roof soffit - Make sure to use an appropriate anchor or find a stud
- House gutter - Not a good idea. Don't ask me how I know this.
- Structural pipe - You can purchase structural modular pipe from Lowes/Home Depot and build a frame. Then use the included top attachment with a worm gear. Purchase an appropriately sized worm gear from a hardware store. You will find worm gears in the plumbing section.

02 INSTALL TOP HOOK



03 USE PLUMB GUIDE TO FIND BASE LOCATION.

******Don't be tempted to place the ShockRocket base on the ground and use the plumb bob to locate the tip of the air pipe. If the ShockRocket is initially placed on an uneven surface, the tip of the air pipe will drastically change after the base is leveled causing major alignment issues.******

- Hang a plumb bob from the top hook.
- Mark the ground where the plumb bob indicates.



- Remove the plumb bob from the top hook and center the ShockRocket base over the plumb bob mark.



04 LEVEL THE BASE

*****This is the most critical setup step. If the base is not level, the head popper will not smoothly nor properly reseal onto the air pipe during landing.*****



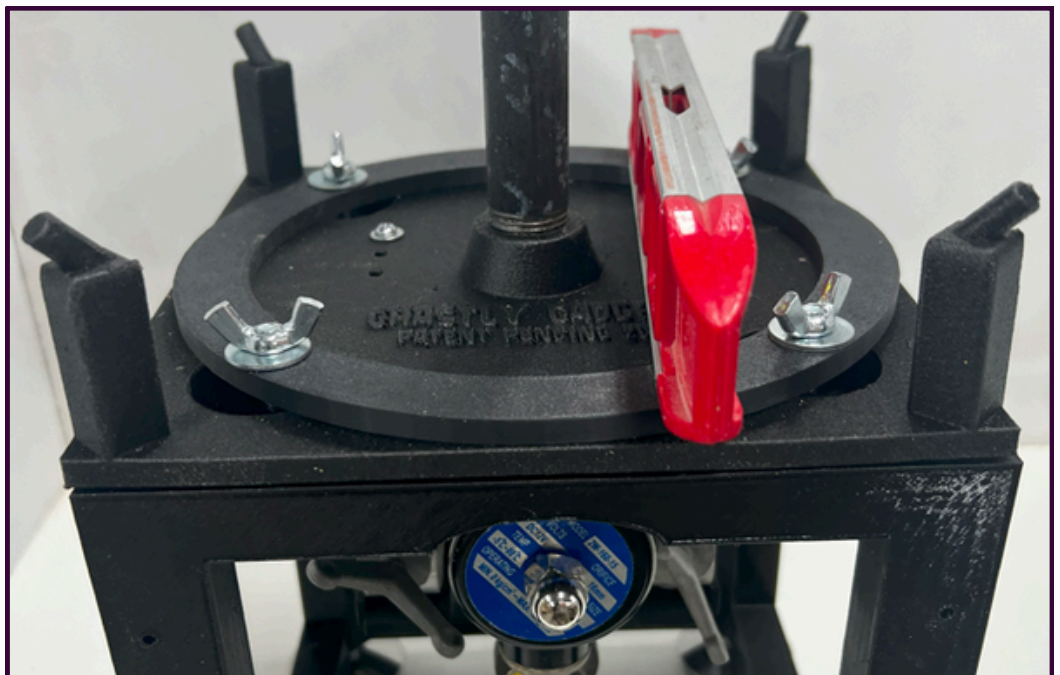
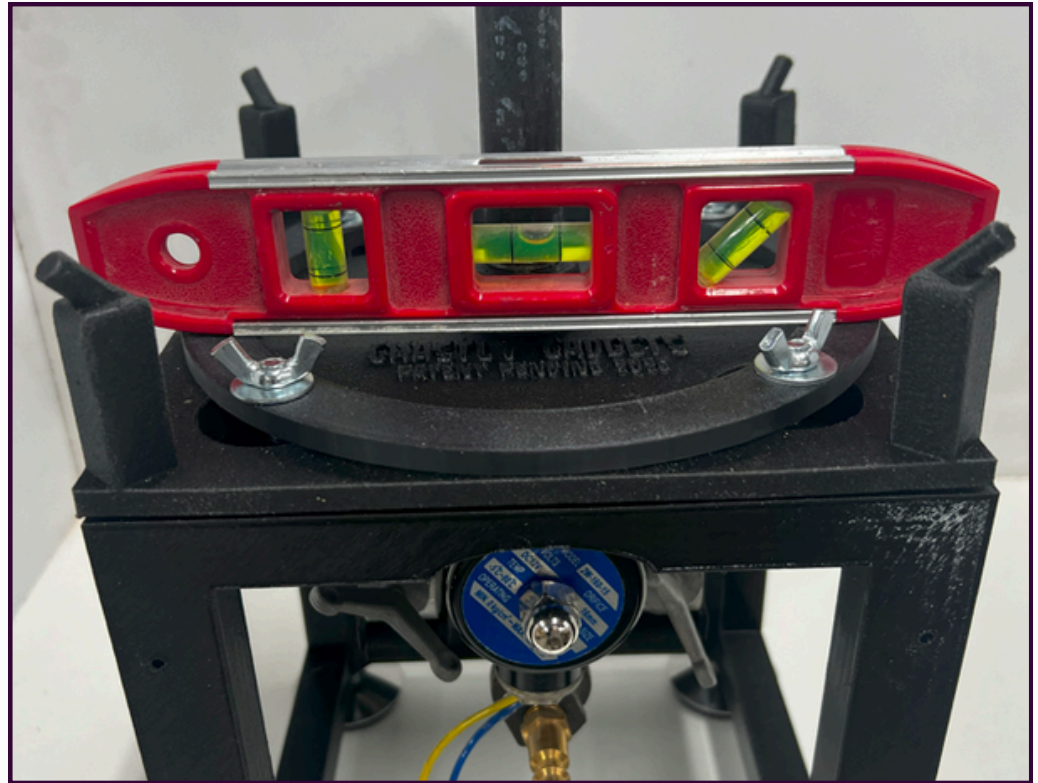
- Indoors on a floor - use the leveling feet to adjust level.
- Outdoors - use a combination of the leveling feet and digging adding/removing dirt.
- Use a torpedo level on both the X and Y axis.



04 LEVEL THE BASE

*****This is the most critical setup step. If the base is not level, the head popper will not smoothly nor properly reseal onto the air pipe during landing.*****

- Take your time...don't rush this step.



05 RECHECK ALIGNMENT

- After leveling it is a good idea to do a sanity location check. This time, use the plumb bob to locate the tip of the air pipe on the leveled base.



- Make small adjustments to position/level as needed.
- Take your time...don't rush this step.

06 SECURE BASE

a. INDOORS ON CONCRETE FLOOR

- Use concrete anchors or purchase the weight base.

b. INDOORS ON WOODEN FLOOR

- Use substantial lag bolts with washers (not included).

c. OUTDOORS IN EARTH

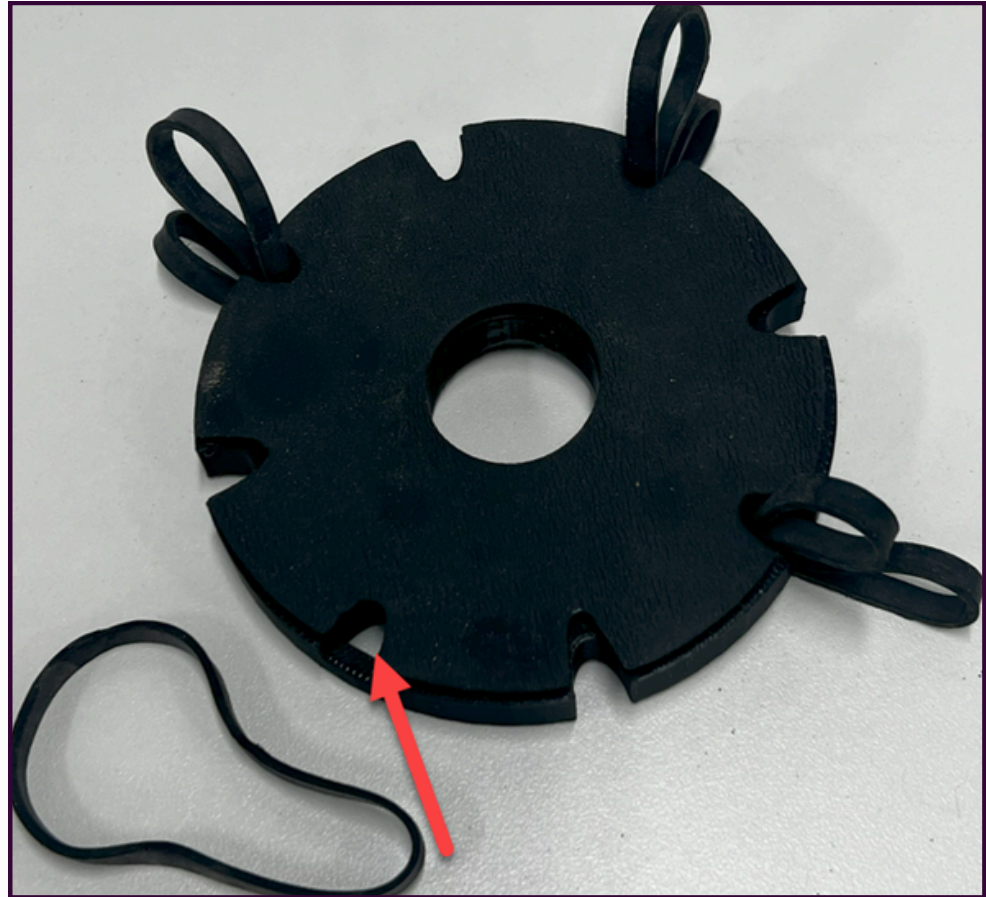
- Purchase the optional ground anchor spikes.

07 INSTALL THE BOUNCE PLATE

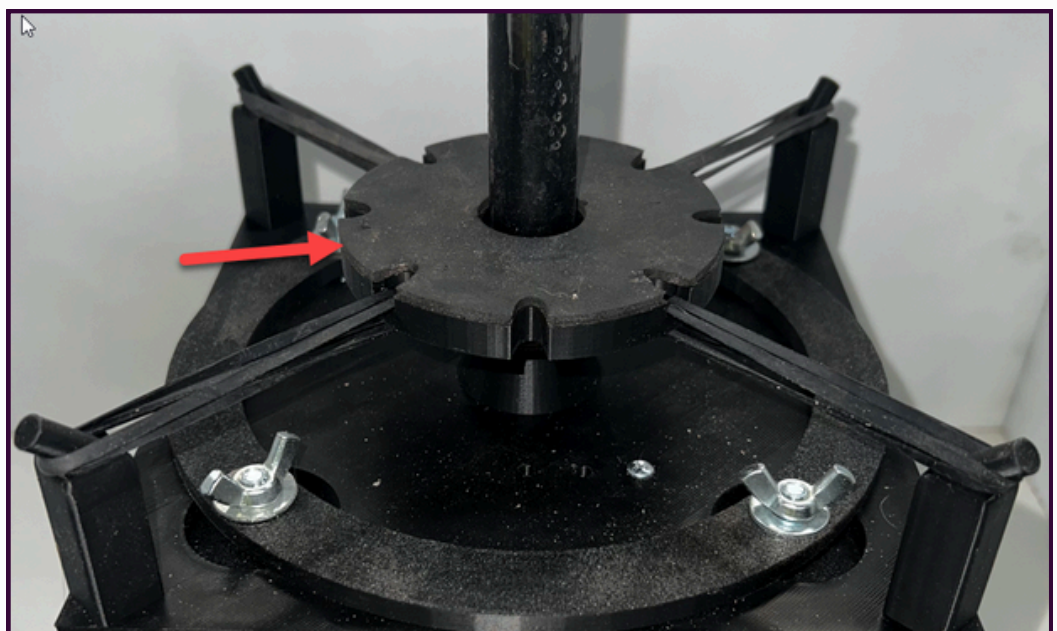
- Feed the four rubber bands through the eyelets of the bounce plate.



07 INSTALL THE BOUNCE PLATE



- Stretch the rubber bands over the top base posts. Make sure to orient the bounce plate with the soft neoprene cushion face up.



08 INSTALL TENSION BOX



09 INSTALL GUIDE WIRES

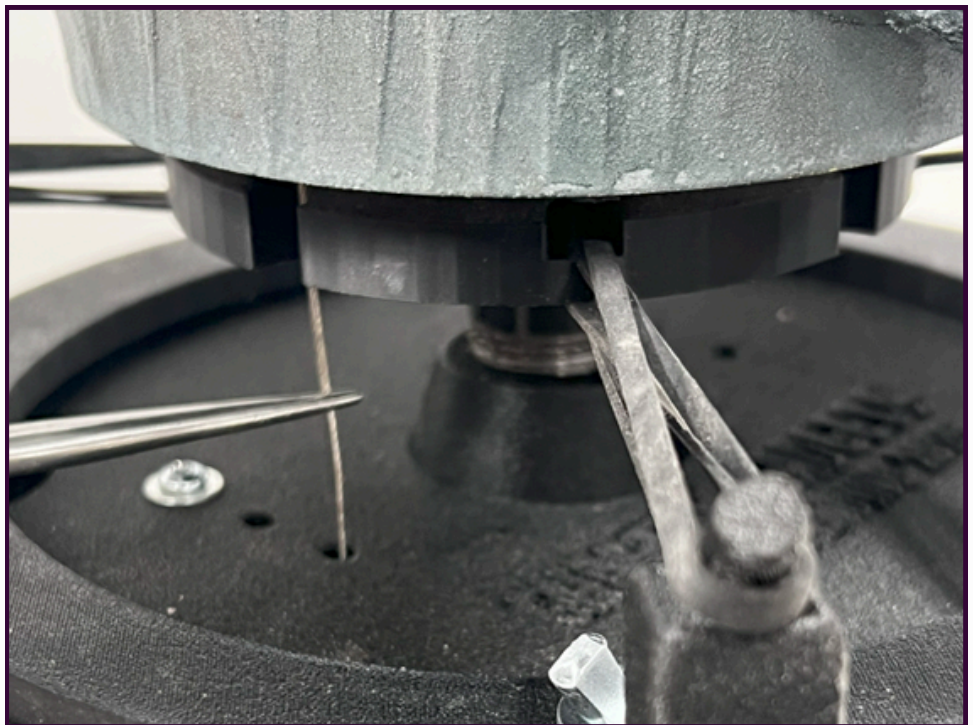
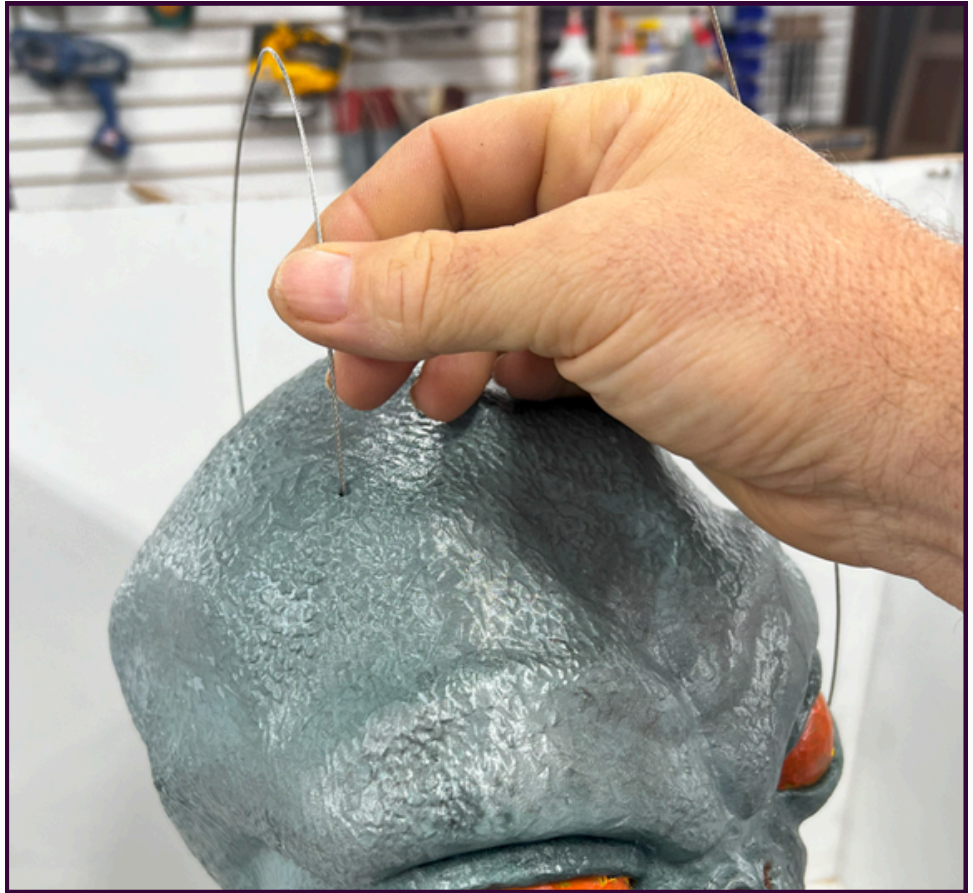
- Hook the guide lines over the hooks of the tension box.



- Place the ShockRocket head on the air tube.

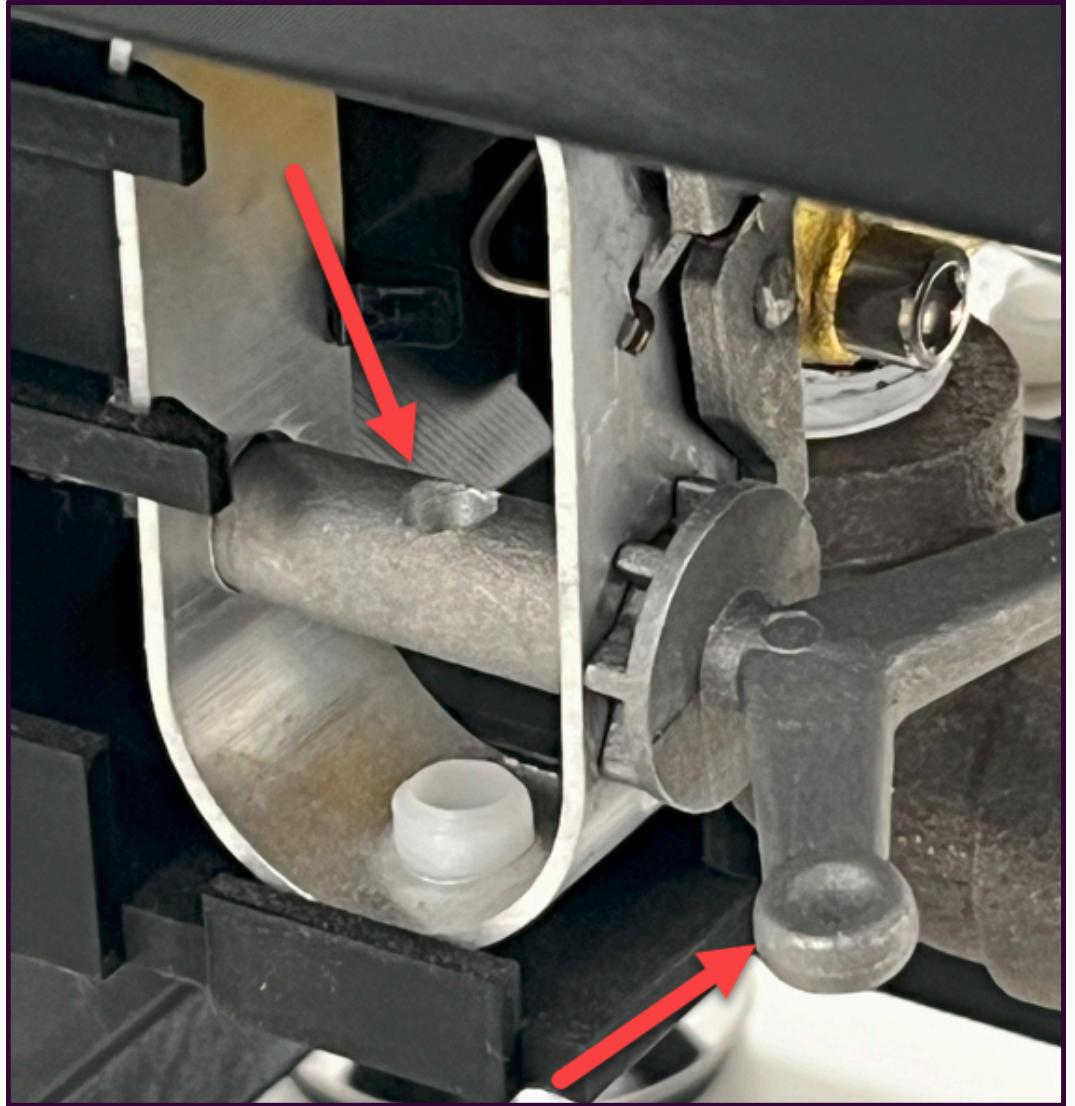
09 INSTALL GUIDE WIRES

- Carefully feed the guide wires through the head and into the base.



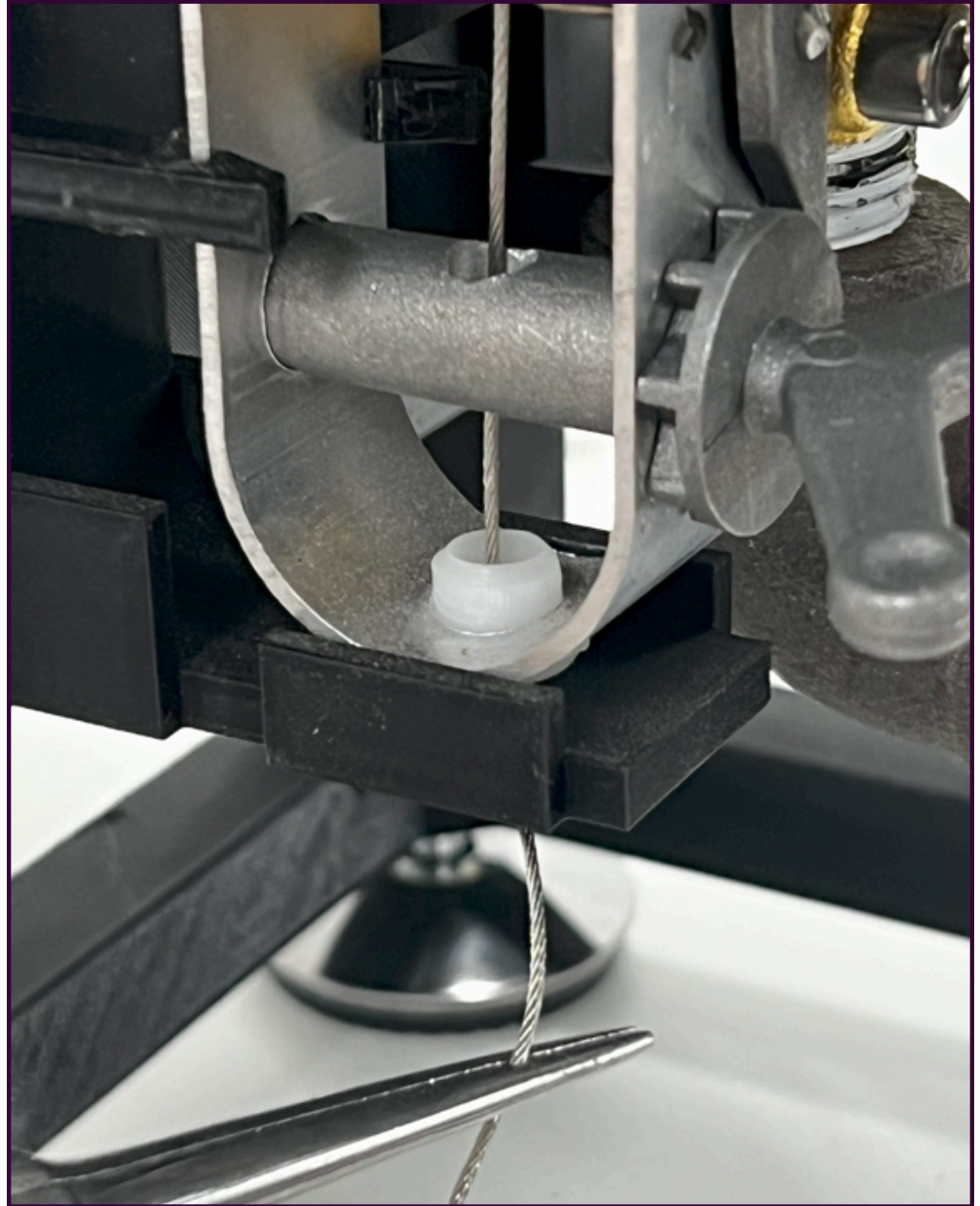
09 INSTALL GUIDE WIRES

- The winch handles should be aligned in a horizontal position so the hole in the winch axle is vertical.



09 INSTALL GUIDE WIRES

- Continue feeding the guide wires through the winch axle and then out the bottom of the winch. A pair of needle nose pliers will come in handy for this step.

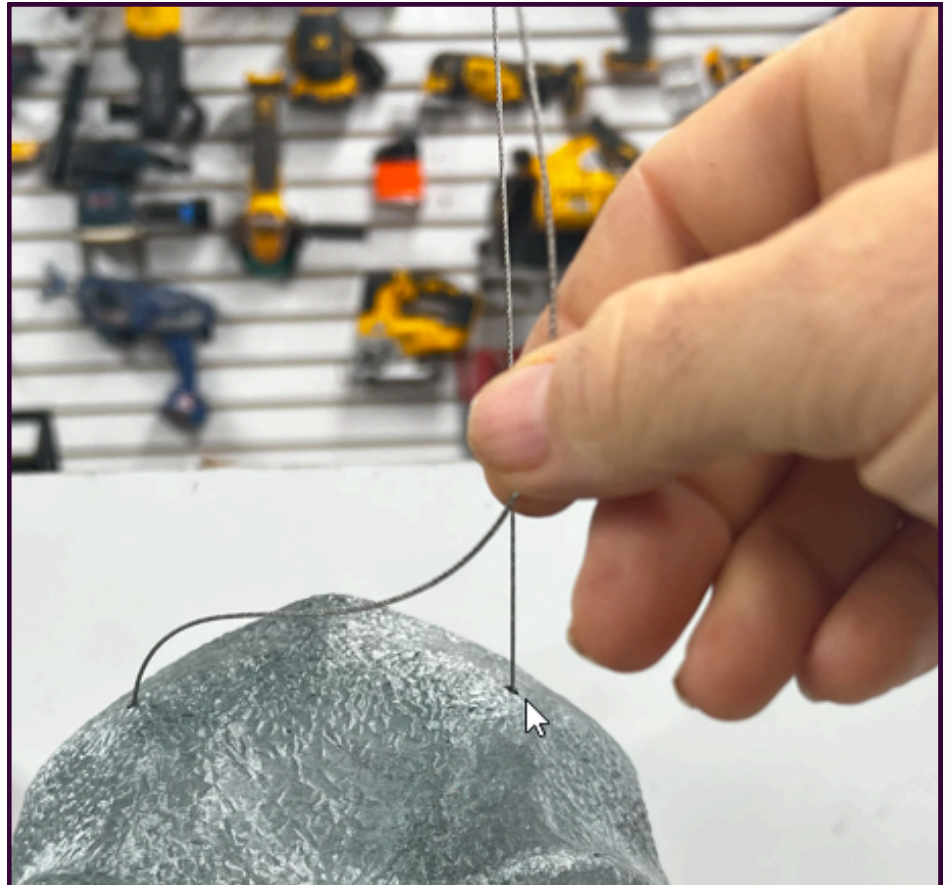


10 TENSION GUIDE WIRES

***** In order for the winches to achieve proper grip on the guide wires, several windings of the guide wires must be present around the winch axle.*****



- Do not begin to tighten the winches with the guide wires in a taught position. You will be unable to get enough windings on the winch axle to keep the guide wires taught.
- Pull back about six (6) inches of guide wire slack above the head before initial winch tightening.

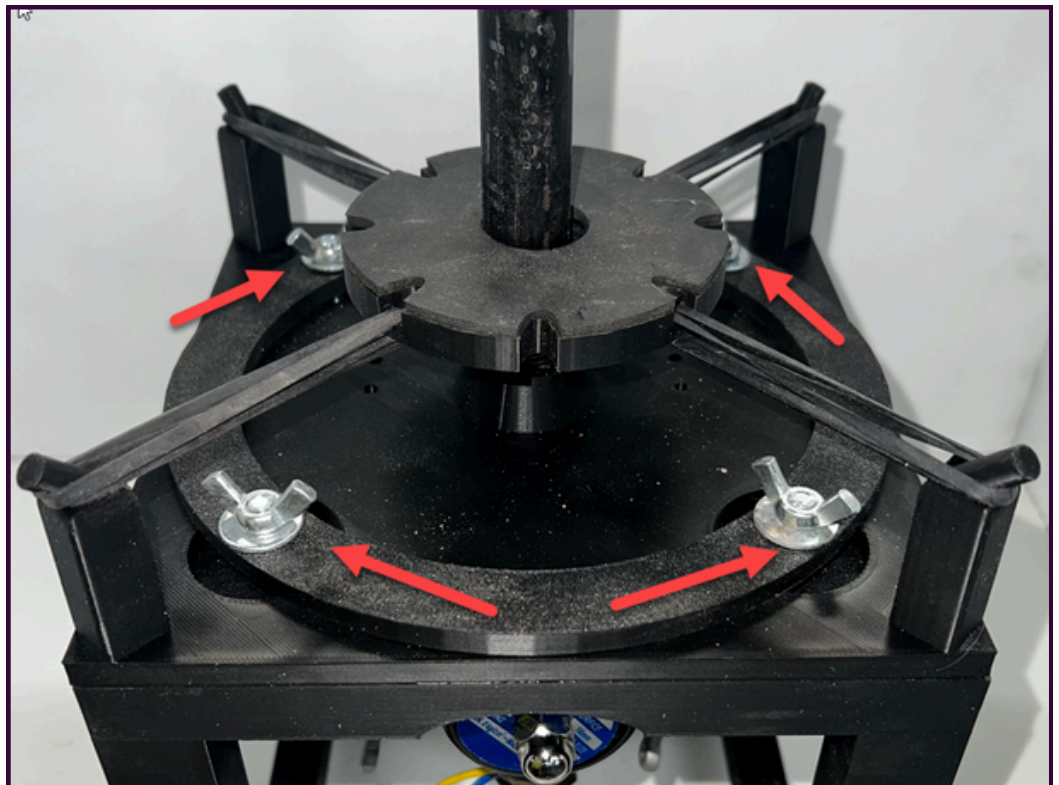


- Tighten each winch until the guide wires are taught.
- Do not over tighten. When it becomes difficult to turn the winch handles, the guide wires have been tensioned properly.
- Each hook protruding from the tension box should travel the same distance.
- The tension box should be hanging level at proper tension.

11 ATTACH THE AIR LINE, TRIGGERS, ETC..

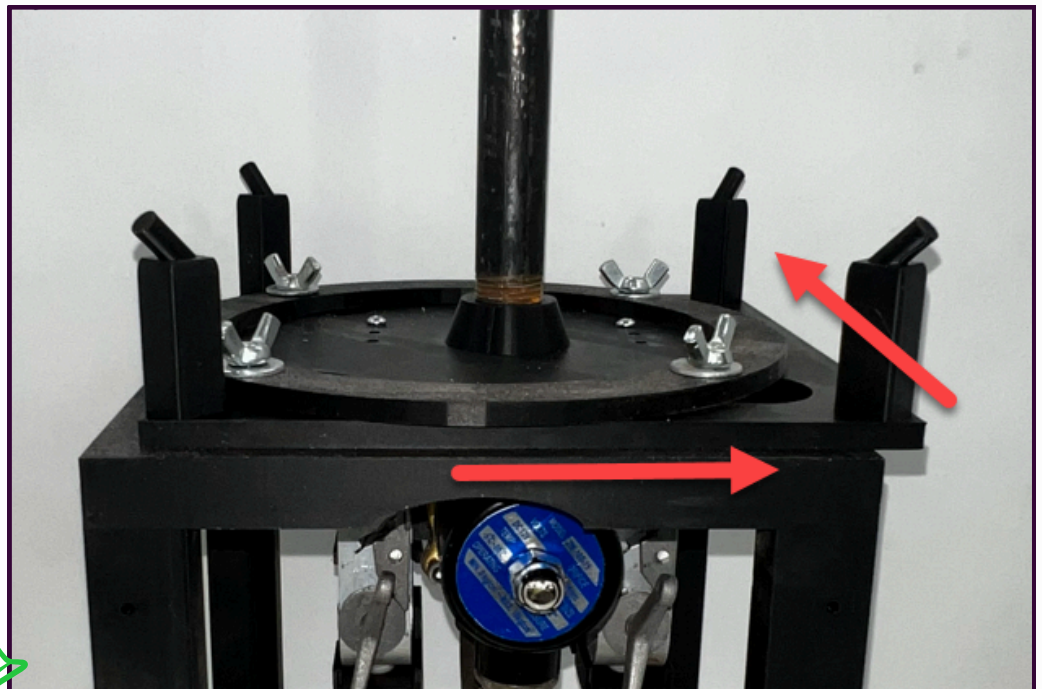
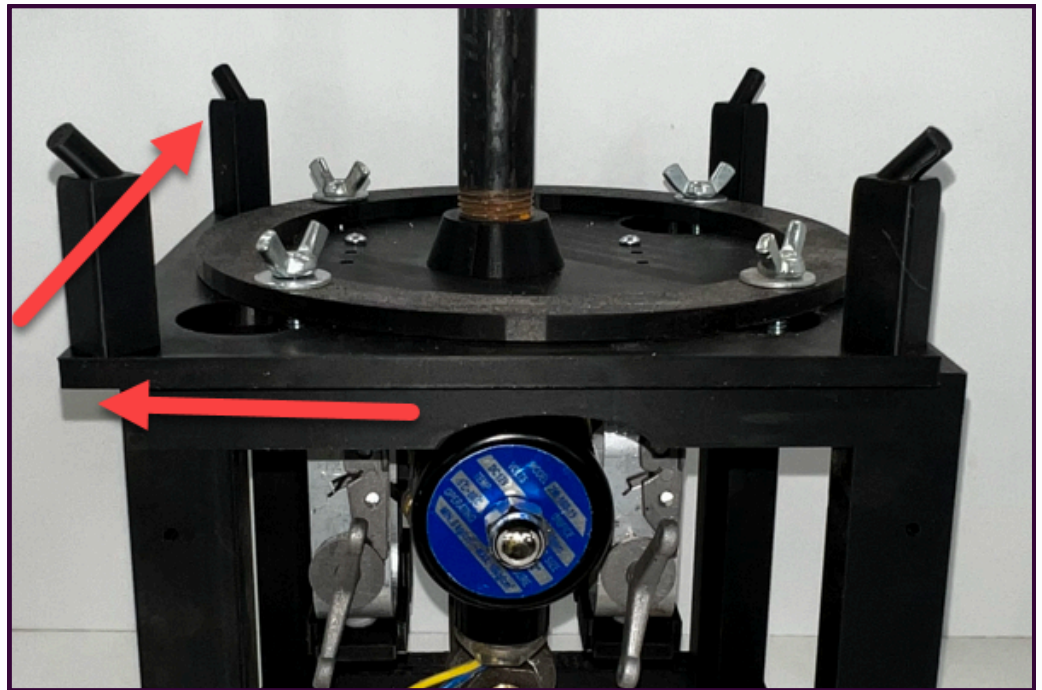
12 FINE TUNE ALIGNMENT

- Slightly loosen the four (4) wing nuts until the base top plate can be moved. It should not move easily as it is under tension from the guide wires.



- While triggering the ShocketRocket, make small adjustments until the landing head drops smoothly onto the air pipe.

12 FINE TUNE ALIGNMENT



- The landing will never be silent, but you should not hear the pipe hitting the head during landing. With proper alignment you will hear only the sound of the head landing on the bounce plate. The launch is violent. This is great for a startle scare. The violence does introduce a shimmy in the head as it falls. This is normal. Sometimes with the ShockRocket in perfect alignment, the air pipe will still strike head during landing. This is unavoidable and normal.
- Tighten the wing nuts to lock the top base plate into position.

13 CHECK GUIDE WIRE TENSION.

- It is not uncommon for the guide wires to loosen a bit after the first few launches.
- It may be necessary to tighten the winches an additional click at this point.

DIMENSIONS

- ShockRocket head popper measures approximately 10"x10"x20"
- ShockRocket head popper with weight base measures approximately 10"x11.5"x26.5"

QUESTIONS?

Contact our crew of gadgeteers and email
support@ghastlygadgets.net

