
AUTOMATIC THROWER BREAKING CLAYS

For all Do All Automatic Throwers



AUTOMATIC THROWER BREAKING CLAYS

**Listed below are the reasons
clay birds can break:**

Clays

Horseshoe

Loading Clays

Spring Tension

Plunger Spring

Rubber Strip

Feeder Brushes

Plunger Bearing

Timing of the Machine

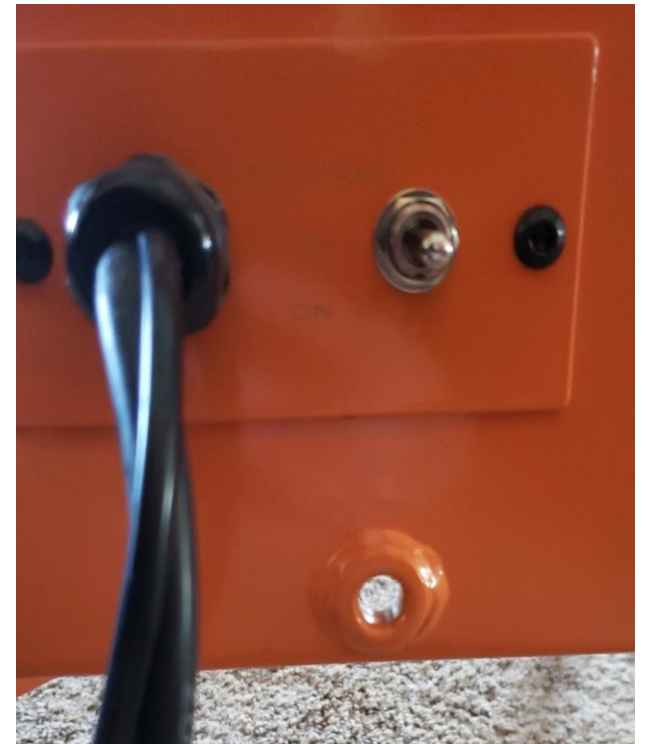
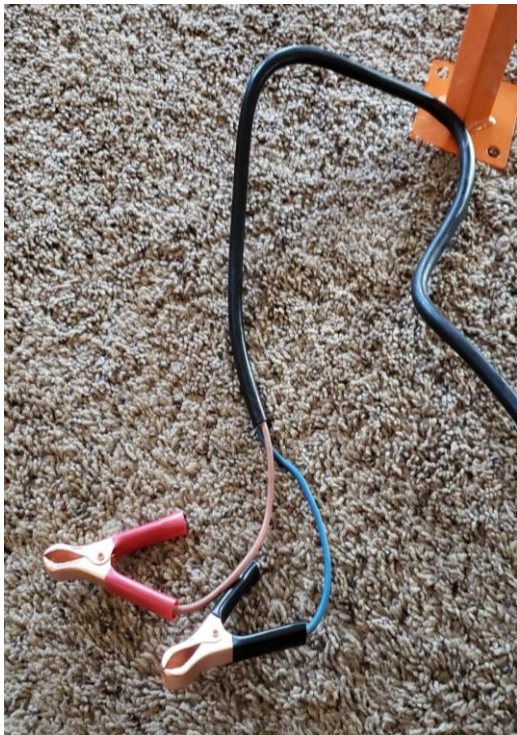
Bent Arm / Feeder Tray

Slide Tray for Aerial Assault and
White Quails

**CONTINUE FOR
DETAILS ON EACH
REASON.**

BEFORE YOU START.....

Make sure to disconnect the battery clamp cables and remove the main spring before performing any checks on your automatic thrower.



CHECK THE FOLLOWING THINGS REGARDING YOUR CLAYS

How old are your clays?

Avoid using clays over a year old.

What size clays are your using?

The auto thrower holds standard size clays.

What Brand of clays are you using?

We recommend using the White Flyers.

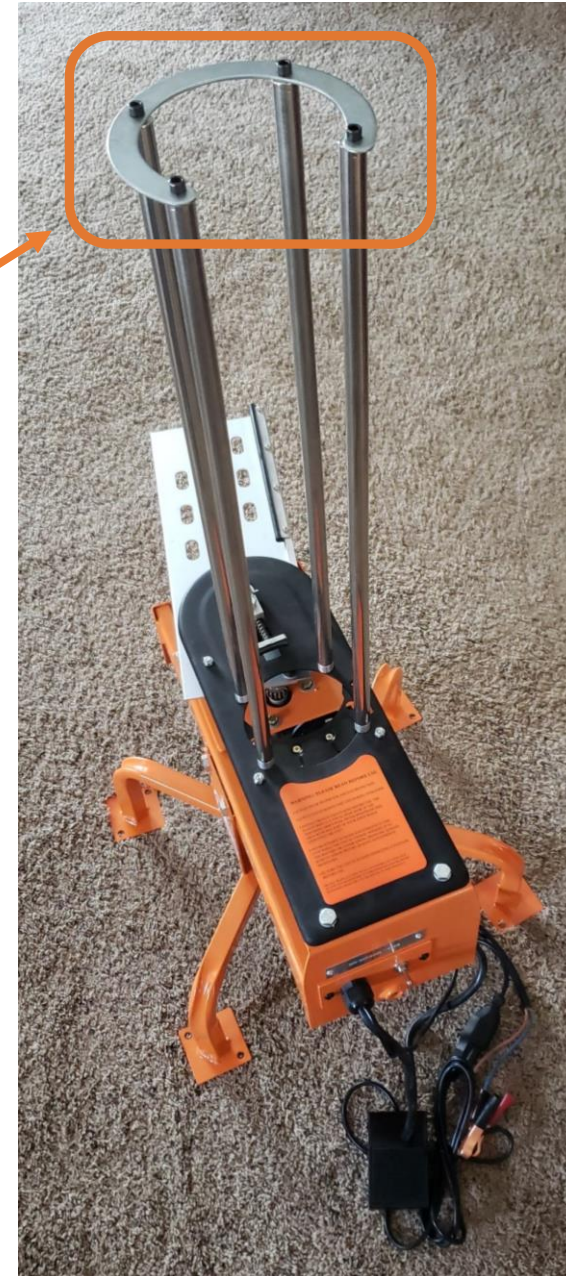
What shape are the clays in?

Check and make sure your clays are not fractured or have chunks missing out of them.



HORSESHOE

Your horseshoe needs to look like this with the opening toward the back of the machine. (Open toward the on/off switch)



If the horseshoe is on backwards it can cause birds to break.

LOADING CLAYS

Make sure when you are loading clays your arm is in the 12 o'clock position, not the 6 o'clock cocked position.



To load clays you must disarm your machine and get the arm in this position.

If you load the clays in the 6 o'clock cocked position can cause birds to break and not load properly.



SPRING TENSION

How tight do you have the spring?

You do not want to go more than $\frac{3}{4}$ of the way up the threaded spade bolt.



Make sure you have 3 to 4 threads showing.



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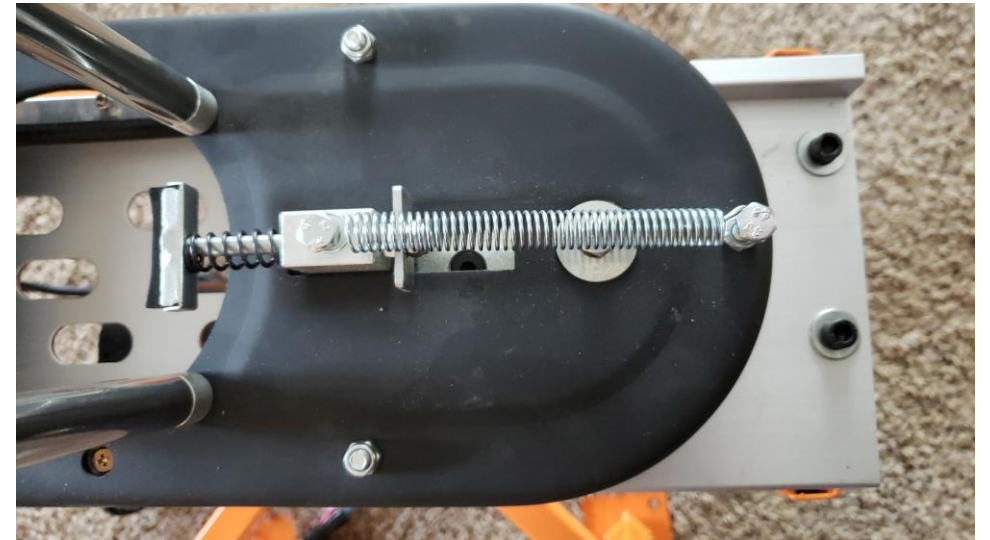
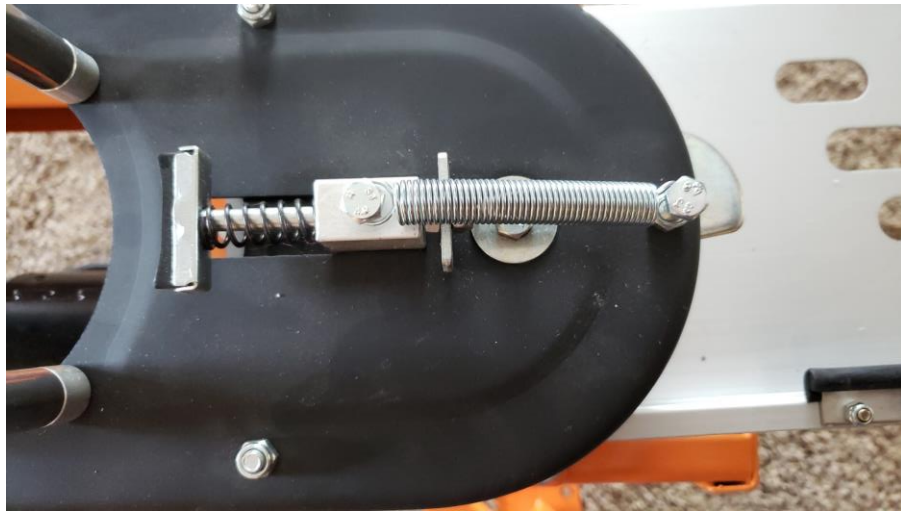
If your spring is too tight it can cause birds to break.



The green box represents the area you want to stay in when tightening the spring. Make sure you have at least 3-4 threads showing from the end of the spade bolt.

PLUNGER SPRING

Make sure the plunger spring isn't too stretched out.



If your plunger spring is too stretched out it can cause bird breakage.

You can purchase a new plunger spring at www.doalloutdoors.com

RUBBER STRIP

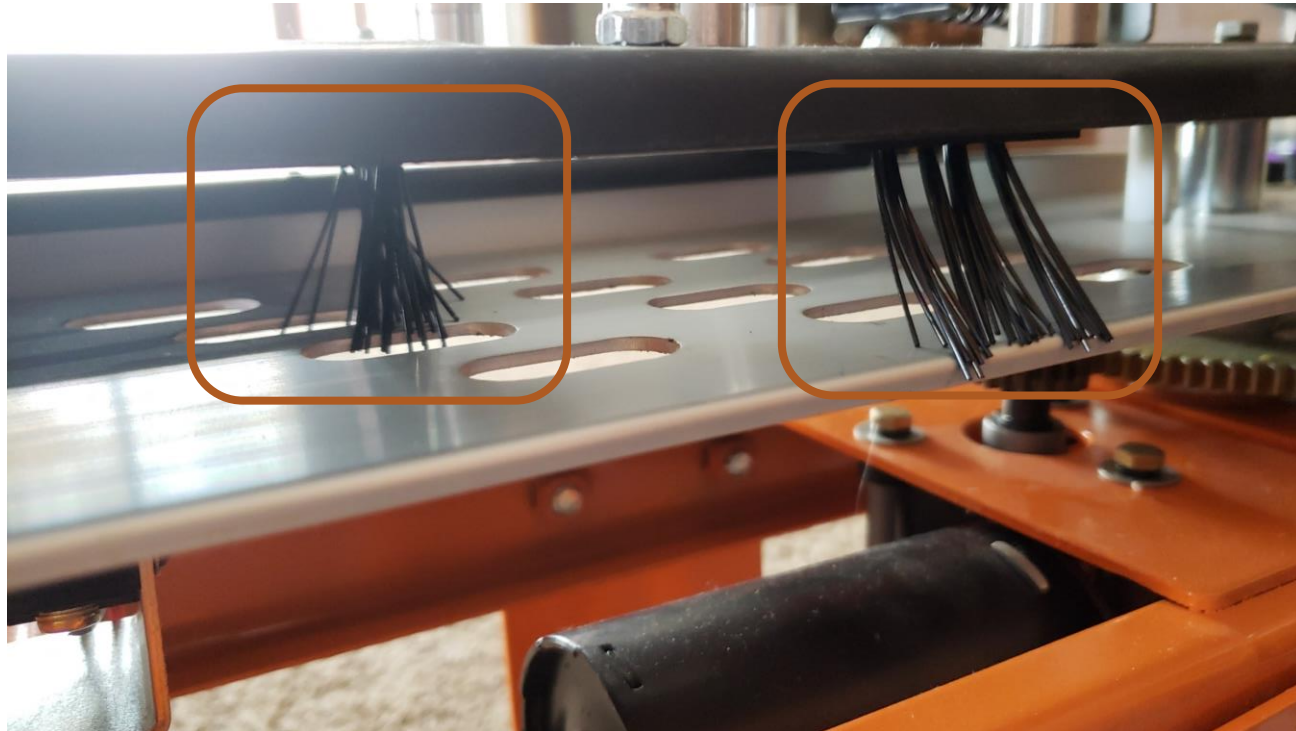
Be sure the rubber strip on the throwing arm is in good shape and free of any serious nicks, burs or voids that could damage the clays as they are being launched.



You can purchase a new rubber strip at www.doalldoors.com

FEEDER BRUSHES

Check your feeder brushes ensure they are not dry rotted or really fanned out.



You can purchase new feeder brushes at www.doalldoors.com

PLUNGER BEARING

Make sure your plunger bearing is working properly opening and closing the slide tray and moving the plunger back and forth.



If your plunger bearing is missing or not opening your slide tray and plunger it can cause the thrower to break clays and not load properly.

Make sure the slide tray and plunger are opening and closing

TIMING OF THE MACHINE

The throwing arm does not need to be completely parallel with the feeder tray when it is cocked. You need to make sure it that when a clay drops on the throwing arm it is no more than 1 ¼ inch away from the rubber strip. If when a bird drops, and it is further away than 1 ¼ inch away from the rubber strip you need to adjust the limit switch, so the arm comes in further before stopping.



Arm should look like this when in the cocked position.

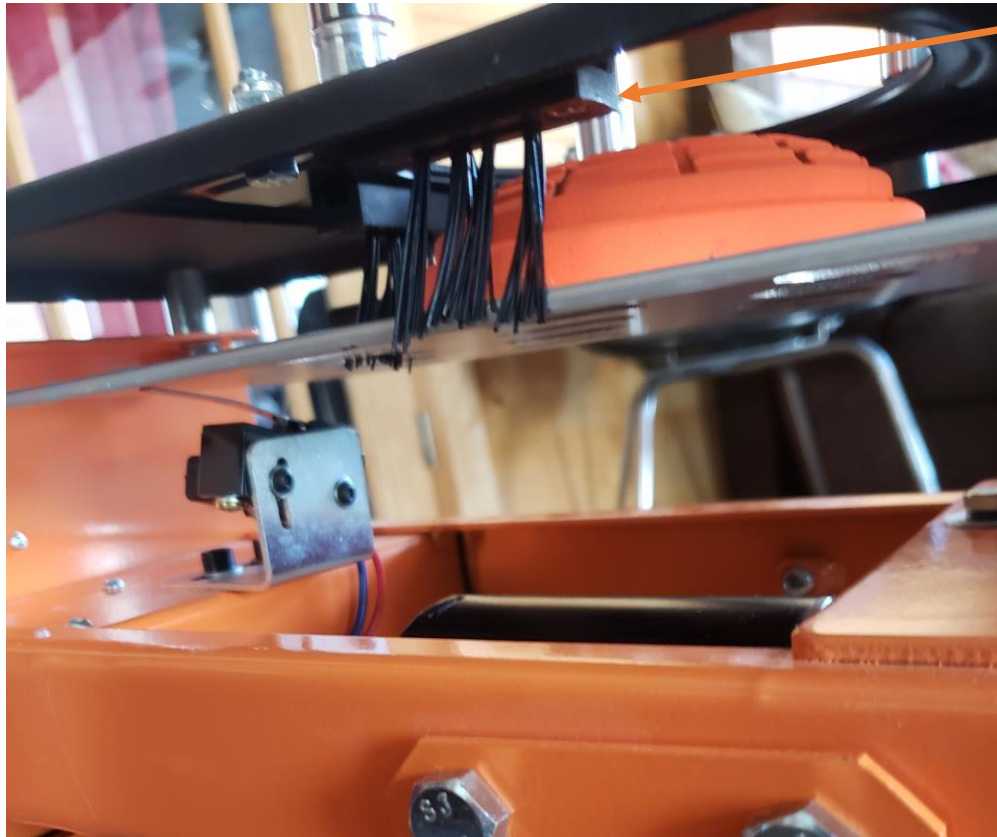


Arm should not look like this when in the cocked position.

If you need to adjust the limit switch, please check out our YouTube channel or other trouble shooting PDF's. Also, if you adjust the limit switch too much you can cause the machine to auto fire.

BENT ARM / FEEDER TRAY

Check to see if the top of the bird is engaging the mounting bracket for the feeder brushes. If the bird is hitting the feeder brushes, you have a bent feeder tray or a bent arm.



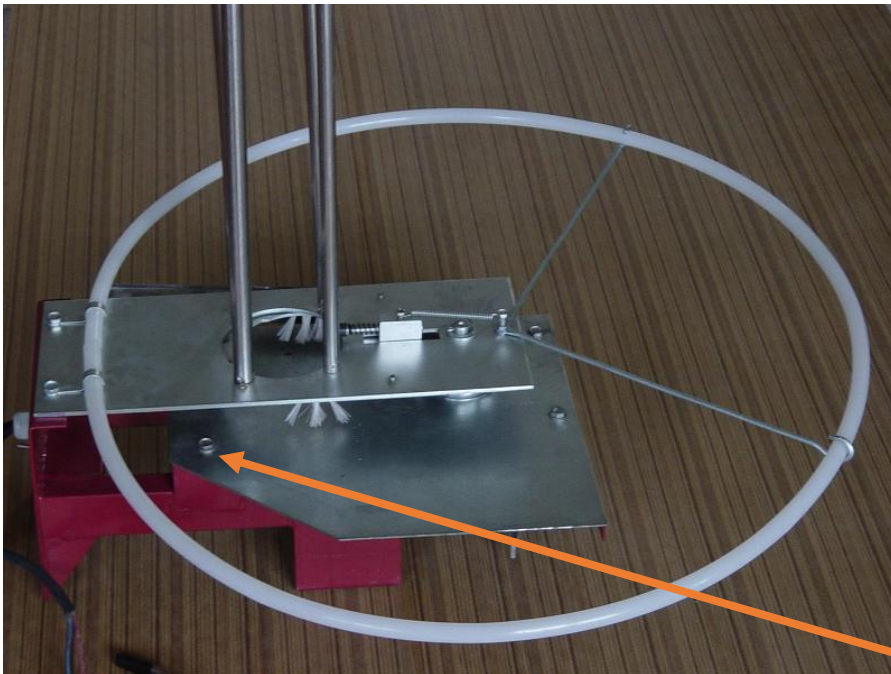
Make sure the top of the bird is not hitting the feeder brush mounting bracket.

If the birds do come out wobbly out of the thrower your arm is bent.

Replacement arms and feeder trays are available, please contact us at customerservice@doalldoors.com.

FOR AERIAL ASSAULTS 1.0/2.0 AND WHITE QUAIL 1.0 ONLY

- Check where the arm is hitting the bird. If the arm/rubber strip is hitting higher on the bird, you will need to adjust the slide tray up using the leveling bolt.



Leveling bolt for adjusting



Arm/rubber strip should be hitting this part of the bird.

**IF YOU ARE STILL HAVING ISSUES,
PLEASE CONTACT US AT:**

CUSTOMERSERVICE@DOALLOUTDOORS.COM

**VISIT OUR WEBSITE FOR REPLACEMENT
PARTS: WWW.DOALLOUTDOORS.COM**

