

# IncuTurn™ Turner for HovaBator Incubator

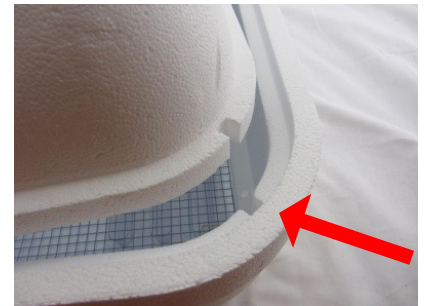
By IncubatorWarehouse.com



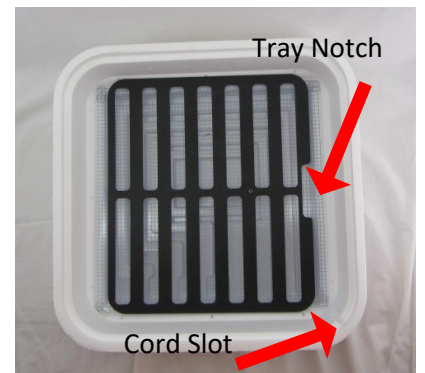
- Eggs roll on their sides, just like in nature
- Universal Egg Rack works for any size egg
- Flat turner tray does not have to be removed for hatching
- Simple clip on installation

## Installation Instructions

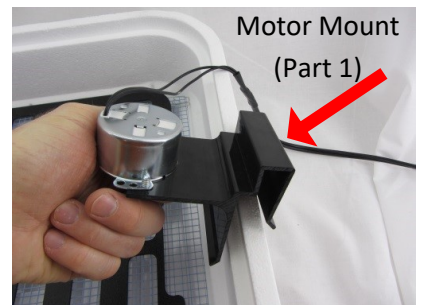
1. Remove all items from the incubator shell.
2. Turn the incubator base so the corner with the cord slot is in the bottom right-hand position (Picture 1). This will make it easier to understand how all of the parts go together.
3. Place the clear plastic humidity tray in the base of the incubator. If the numbers appear backwards on the tray, turn the tray over (it's upside down). Place the plastic mesh on top of the clear tray.
5. Place the black turner tray (Part 2) in next. There is a smooth side and a rough side. Place the rough side facing up. See Picture 2 for correct orientation. Notice the turner tray notch on the right hand side of the incubator.
6. Align the motor mount (Part 1) in the center of the right side foam wall. Carefully slide the motor mount over the side wall of the incubator (Picture 3).
7. Put the hole of the lever arm onto the small screw in the turner tray (Part 2). Hold it in place with the nut. Tighten just enough to keep the nut from coming off (Picture 4).
8. Place the turner cord in the slot in the foam (lower right-hand corner) and ensure the lid fits over the cord and turner mount (Pictures 5 & 6)
9. Be sure to test your incubator and allow it to fully stabilize before placing eggs in the turner.



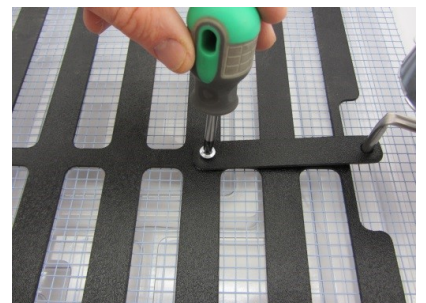
Picture 1 - Cord Slot



Picture 2 - Turner Tray (Part 2) Orientation



Picture 3 - Motor Mount



Picture 4 - Lever Arm

10. When setting the eggs inside the turning tray, align the eggs parallel to the channels to ensure proper turning (Picture 7). Note: Eggs may roll end over end or “walk” in the turning tray. This is acceptable and imitates how eggs are turned in nature. If the eggs become bunched up, simply spread them back out.



Picture 5 - Cord in Slot

11. To turn on the turner motor, plug the power cord into a power outlet. To turn it off, unplug the power cord. Note: The egg turner motor is geared to continuously turn at a rate of one full revolution every four hours. This will slowly turn the eggs back and forth six times per day.



Picture 6 - Lid

12. When it is time to stop turning the eggs (2-3 days before hatch), unplug the turner’s power cord to turn the motor off and leave the tray in place during the hatching period. Or you may remove the tray and motor mount. If you choose to remove the tray, be sure to handle the eggs carefully.

13. When you are finished, unscrew the nut to detach the tray from the lever arm and hand-wash the tray, allow it to fully dry and store for future use. Be sure not to allow water to contact the motor.



Picture 7 - Egg in Tray

## NOTE ABOUT TURNING SMALL EGGS:

Do small eggs such as quail get turned enough in the IncuTurn? The short answer is YES. We conducted a side by side test incubating small eggs in the rocking style turners vs the IncuTurn and the IncuTurn outperformed the rocking style turners.

Ok now here’s the long answer. The key to understanding this question is to know that the amount of rotation an egg needs is much more important than how far the egg travels. Because the egg slots are narrower than the small egg, the tray travels much of its distance without rotating the smaller egg. This is ok because, a larger egg needs to roll farther than a small egg to achieve the same amount of egg rotation. The diagram below shows that in order to achieve the same amount of rotation the larger egg must travel almost twice the distance as the small egg.

