

TURBOMATE 2® INSTALLATION GUIDE

Sephnos

Assembly and Installation procedure

To install on the metal feed tube, it is necessary to make sure that the tube has already been prepared with the correct round hole in the center on the underside between automatic feeders. This extra hole will supply the feed that will go through the novel TURBOMATE 2®.

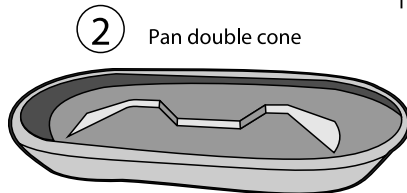


Reference Graphic

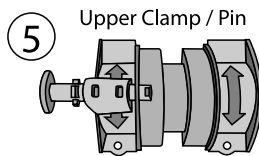
Once the round hole is located, we can continue with assembly. First you will need to identify the pieces for assembly.

1. Hopper with windows
2. Pan with double cone
3. Short shutter A
4. Long Shutter B
5. Upper Clamp with a Pin
6. Lower Clamp with sliding feed dispenser
7. Nuts and Bolts 2 short Bolts (sides), 1 long bolt (center), 3 nuts and 3 washers.

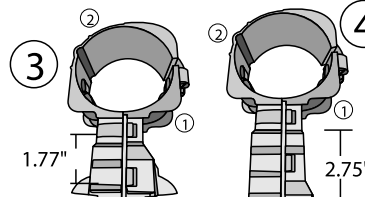
Each box contains 22 sets of Turbomate 2.



2 Pan double cone

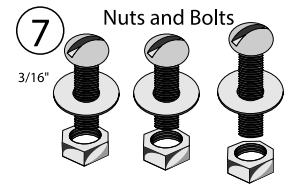


5 Upper Clamp / Pin

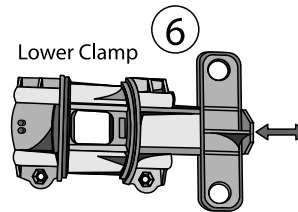


Short Shutter A

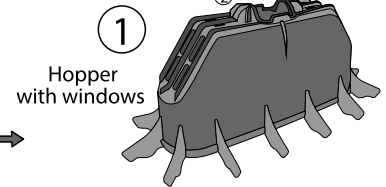
Long Shutter B



We recommend the use of a manual screwdriver or drill in low power/torque position when tightening bolts/washers. (above) and nuts (below). Overtightening will cause damage to the TURBOMATE 2®.



Lower Clamp



Hopper with windows

STEP 1 CLAMPS

Place clamp with sliding dispenser on the bottom of the feed metal tube with feed tube hole centered in the slide opening. Place clamp with arrows in the same direction where are the bolts washers and nuts on top of the feed tube.

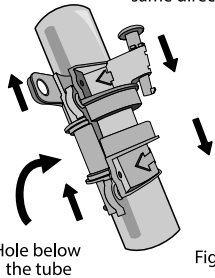
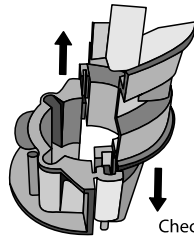
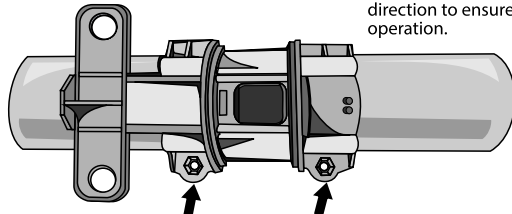


Figure 1



Join the clamp sections together by sliding the "T" shaped tabs on the upper clamp into the corresponding channels on the lower clamp. (Figure 1)

Check that all clamps are installed in the same direction to ensure proper operation.



Make sure the clamps are slid together so that the bolt holes line up. Secure the clamps together with a bolt with washer and nut in the indicated sites.

STEP 3 HOPPER AND PAN

Insert the hopper's wings into the internal lip of the pan using slight pressure to join (Figure 4). We recommend starting at one of the ends and the sides and at the end insert the last wings at the other end.

Not much force is required. Make sure all wings are properly inserted inside the pan to prevent it from coming loose.

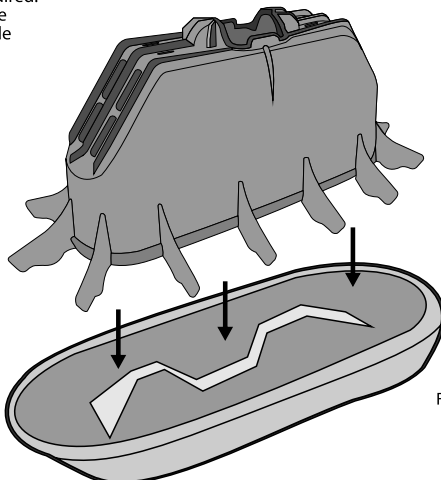


Figure 4

STEP 2 SHUTTER

Without joining them, place shutter 1 and shutter 2 inside the upper mouth of the hopper (Figure 2). Make sure the numbers on the shutters coincide with the numbers 1 and 2 marked on the upper section of the hopper. Join the sections from the bottom of the hopper until they click, making sure that they are properly assembled. Once the two pieces are joined they will not separate (Figure 3).

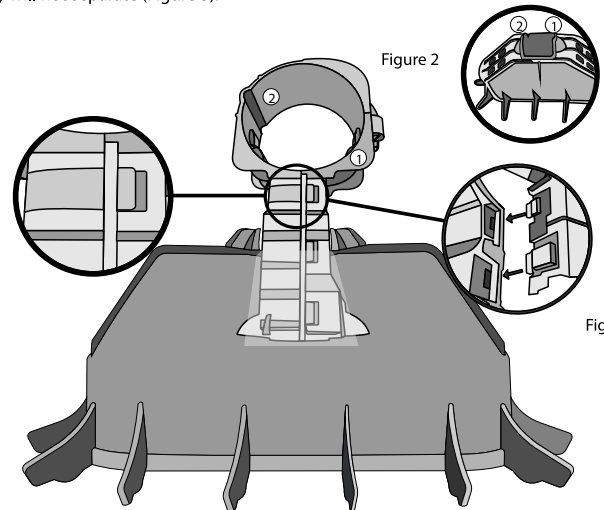


Figure 2

Figure 3

STEP 4 SHUTTER AND CLAMP

Slightly open the shutter and place around the clamp. Make sure it is placed in the center of the sliding channel. Fasten together using a bolt with a washer on the top and the nut in the bottom (Figure 5).

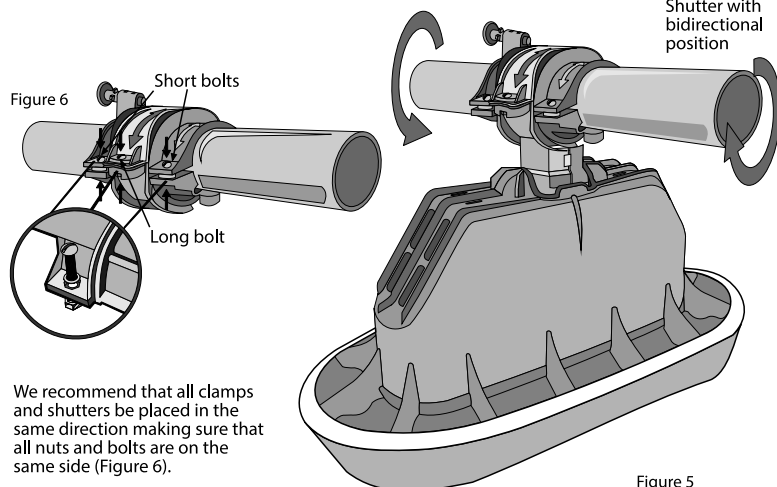


Figure 6

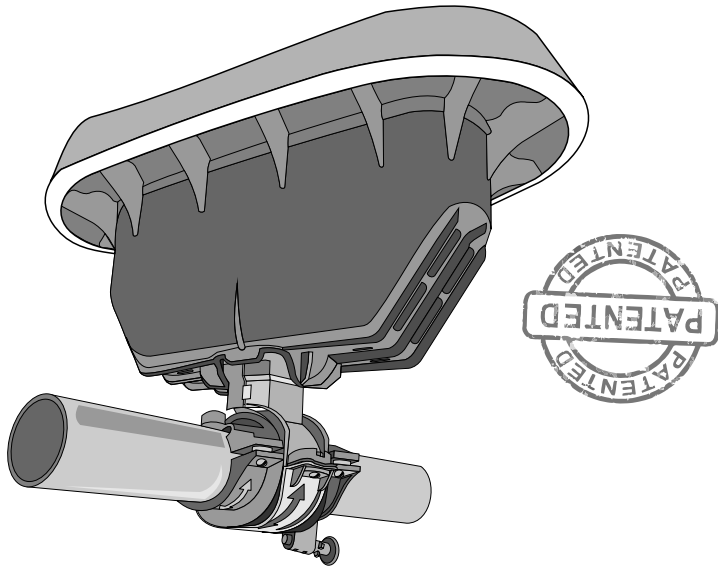
Short bolts

Long bolt

Shutter with bidirectional position

We recommend that all clamps and shutters be placed in the same direction making sure that all nuts and bolts are on the same side (Figure 6).

Figure 5



Automatic Feeder for Baby Chicks

Turbomate 2

RECOMENDATIONS

Before installing TURBOMATE 2°, make sure all feedline holes are aligned with each other and pointing straight down. If not, make adjustments to prevent future twisting issues. If the feed line tube does not have additional extra holes for installing the TURBOMATE 2° please do the following:

Materials:

1. Hammer and center punch
2. 1/4" drill bit for steel to make a hole to guide perforation.
3. 7/8" or 1" stepped conical drill bit.
4. Heavy duty variable speed drill.

Steps:

1. Make sure auger is not inside the feed tube.
2. Make a mark centered between the existing feed tube holes on the underside of the feed tube.
3. Using the hammer and center punch, make a small indentation on the previously marked spot.
4. With the 1/4" drill bit, perforate the tube making sure not to drill through the top side of the tube.
5. Using the 7/8" or 1" stepped conical drill bit, increase the diameter of the hole up to the edge also making sure not to drill through the top side of the tube.

NOTE: For new installations, request that the equipment supplier (Chore-Time, Cumberland, Roxel, ValCo, Big Dutchman, Plasson, INDIV provide a tube with ready-made perforations.

OPERATION

1. At the beginning of each flock, place the feeder in the DOWN position "ON" and open the feed dispenser to allow the auger to fill the TURBOMATE 2°.
2. As the height of the feedline is increased, the TURBOMATE 2° will remain at the proper height for chicks to continue feeding. It will have a height very similar to that of automatic feeders.
3. When the TURBOMATE 2°, is ready to be stored, slide the feed dispenser into the "OFF" and let the chicks eat the remaining feed from the pan.
4. After all the feed has been eaten, rotate the TURBOMATE 2°, into the up position. "OFF" position above the chicks head +/- 170°. This will free up space between automatic feeders allowing the chicks to move more freely from one side to the other.
5. When feed lines are raised at the end of the flock, avoid hitting the roof structure with the TURBOMATE 2°. You can choose if the TURBOMATE 2° stays up or down in the ON position.

www.turbomate.com

Sephnos thanks you for purchasing the TURBOMATE 2°, our exclusive automatic feeder for starting chicks. In this manual, you will find practical advice that will ensure proper function and performance of the product.

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CLEANING AND DESINFECTION

When the poultry house is to be cleaned and disinfected, we recommend the following:

1. Make sure that the TURBOMATE 2°, automatic chick feeder in the "ON" position. Too, can also be placed in the "OFF" position.
2. Check that the dispenser slide is in the "OFF" position to prevent dust and water from coming into the feed line.
3. If pressurized water is used, it must be at the lowest possible pressure using the widest fan nozzle. High pressure water will cause damage to the TURBOMATE 2°, the hopper window will allow for deeper washing and disinfection.
4. Once cleaning is complete and feeders are allowed to dry, they can be placed back into the "ON" position.

TUBE TURNING

In certain situations, TURBOMATE 2°, may cause the feed line to twist. This can have an effect on the augers ability to fill the regular feeders.

In order to prevent this problem, we recommend the following:

1. Use an appropriate metal clamp on the joint between each section of the feed metal tube. These clamps should not be overtightened to the point where the feed tube collapses inward.
2. Installed programmable feeder suspension accessories named "D-Hangers". Those are recommended when using ribbed feed tube. When whole house brooding, programmable hangers should be installed every 30'. When half house brooding, programmable hangers should be installed every 20'.
3. When TURBOMATE 2° is in the up position "OFF", we recommend that the direction of each feeder is alternated in order to balance the load on each side of the feedline.

