

AVITEC

Tumbler Composter

Instruction Manual & Parts List

Model 110105



Read and understand this entire manual before assembling, installing, operating, or servicing this product.

SAVE THIS MANUAL

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IMPORTANT SAFETY INFORMATION

This is a **SAFETY ALERT** symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE indicates important information which, if not followed, may cause damage to equipment.

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions. The manual offers important information on how to assemble, use and maintain this product.

Write the product's model number and purchase date on the cover page of this manual.

Keep this manual (and your purchase receipt) in a safe place.

UNPACKING

The shipment should be thoroughly inspected as soon as it is received. The signed "bill of lading" is acknowledgement by the carrier of receipt in good condition or shipment covered by our invoice. For your own protection, if any of the goods called for on the bill of lading are shorted or damaged, do not accept them until the carrier makes a notation on the freight bill of the shorted or damaged goods.

Notify AVITEC immediately if any hidden loss or damage is discovered after receipt.

Definition of Symbols




WARNING concerning Risk of Eye Injury. Wear ANSI approved eye protection.






WARNING concerning Risk of Hearing Loss. Wear hearing protection.



IMPORTANT SAFETY INSTRUCTIONS

1.  **Read and understand all safety warnings and instructions.** Failure to follow the warnings and instructions may result in serious injury or death. Save all warnings and instructions for future reference.

2. Personal and Work Area Safety

- A.  **Always wear ANSI approved safety goggles.**
- B.  **Always wear hearing protection when working in noisy environments.** Prolonged exposure to high intensity noise can cause hearing loss.
- C.  **Use safety equipment.** Safety shoes, dust mask, hard hat and work gloves must be used for applicable conditions.

D. **Dress appropriately.** Never wear loose fitting clothing or jewelry when working. Contain long hair, and keep hair, clothing and gloves away from moving parts.

E. **Use common sense when working.** Stay alert and concentrate when assembling and using the Tumbler Composter. Never work while under the influence of alcohol, drugs or medications.


Personal and Work Area Safety (continued)

F. **While assembling and using the Tumbler Composter, keep work area clean and well lighted. Keep spectators and children out of the work area.**

3. Use of the Tumbler Composter

A. Do not modify this product and do not use this product for purposes that it was not designed for.

B. This product is designed to cure food scraps and other household waste into compost. Compost adds nutrients and organic matter back to the soil which benefits agriculture, reduces the need for fertilizers and improves the soil's water retention.

C.  **WARNING** This product is not a toy and should be located in an area away from children and out of reach of children. Small hardware components such as bolts and nuts can be accidentally swallowed by children at play.

D. Complete assembly of this product is required. If you are not experienced or capable of doing this type of assembly work safely, the Tumbler Composter should be assembled by qualified service technicians. This product is best assembled by two people.

E. Save packaging information, warnings and this manual. They contain important information and must always remain readable. Contact AVITEC for replacements.

Keep in mind that the warnings previously discussed cannot cover all possible conditions or situations that could occur. It is important that the person setting up and using this product understand that common sense and caution are factors which cannot be built into this product, and must be supplied by the person(s) using this product.

Limited Warranty

AVITEC warrants to the original retail purchaser that the product is free of defects in material and workmanship at the time of shipment. This Tumbler Composter is warranted for 90 days from the date of purchase. This warranty is expressly in lieu of all other warranties, express or implied. Proof of purchase is required for warranty transactions; a copy of the original invoice or sales receipt is required.

Assembling and Using the Tumbler Composter

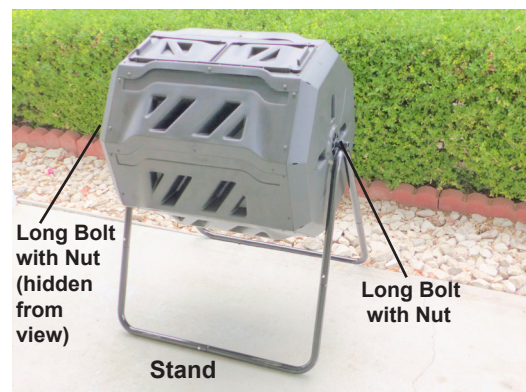


Always wear ANSI approved safety goggles when assembling this product.

Refer to the photos below and on Pages 4 and 5 when assembling the Tumbler Composter.

A. Read and adhere to all Personal and Work Area Safety Warnings on pages 2 and 3 before assembling and using this product.

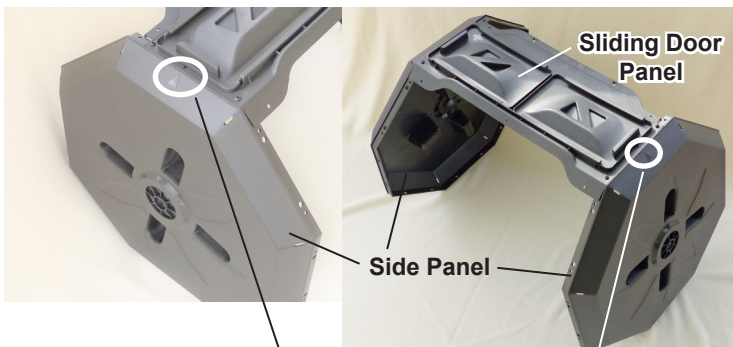
B. Find a convenient and safe working area (away from children and pets) for the assembly of this product.



C. Lay out and identify all components. Note that the 2 longer Bolts with matching Nuts are used to secure the Tumbler to the Stand (this will be last assembly step).

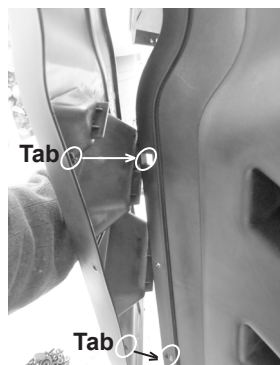
All of the other included Bolts and Nuts are of the same size and are used to assemble the various plastic panels of the Tumbler together.

First connect the Sliding Door Panel to the two Side Panels using 4 Bolt/Nut sets.



Note: Connection is made where two triangle marks meet

For easier Panel assembly, stand the assembled Side Panel/Sliding Door Panel vertically as shown below.

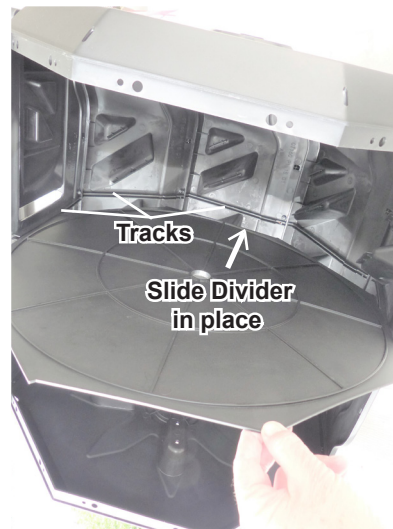


All Panels are of the same design. Attach this Panel first to the Sliding Door Panel.
Note: See 2 tabs inside each Panel. These tabs fit inside the rectangular opening of the adjoining Panel. Connect each Panel using 7 Bolt/Nut sets.

Next, assemble this Panel.
 Then, assemble one more Panel.

Assembling the flat, center Divider inside the Tumbler:

In Photo below, see how the Divider rests between the 2 tracks on inside of each Panel. Slide Divider in place.



This is a good time to make sure that all previously assembled Bolts/Nuts are tight, before adding the final 3 Panels to close up the Tumbler.

After adding each of last 3 Panels, double check that the Divider is resting in the tracks, before tightening the Bolts/Nuts.

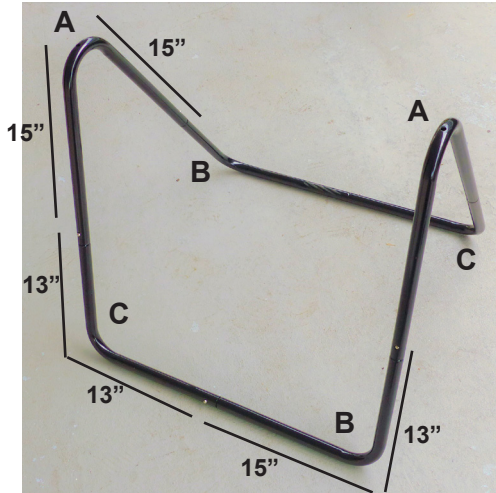
Attaching last Panel to Sliding Door Panel:

In Photo below see how lip of last Panel slides underneath edge of Sliding Door Panel, before Bolts/Nuts are tightened in place.



Assembling Stand

Per the Photo, fit Stand parts A, B, and C together.



Connecting Tumbler to Stand

Slide Tubular Axle through center section of Tumbler. While holding each end of the Tubular Axle, lift Tumbler to top of Stand. With assistance, insert the 2 Large Bolts through mounting holes in Axle and top of Stand. Secure Bolts with Nuts to lock the Tumbler in place. See Photo below.



The Tumbler should rotate smoothly while on the Stand.

SPECIFICATIONS

Maximum Capacity of Tumbler	42 Gallons
Dual Chambers	One for maturing compost; one for new waste
Composition	Recycled plastic Tumbler; Powder coated steel Stand

No replacement parts are available for this product

Using the Tumbler Composter

1. The Tumbler Composter should be positioned in a level, dry location (preferably near the garden). The Tumbler Composter should be in an area that is free of children and animal traffic.
2. Composting turns kitchen scraps and light yard debris into food for the soil. Compost adds organic matter and nutrients to the soil which helps reduce the need for fertilizers, and improves the soil's water retention. Compost can be made in as little as 2 to 4 weeks.
3. Composting works best by combining moist green materials (rich in Nitrogen) with dry brown materials (rich in Carbon). The best ratio is: 2 parts green materials to 1 part brown materials.
Examples of green materials: grass clippings, kitchen food scraps, house and garden plants, and vegetable waste.
Examples of brown materials: mulched up twigs, saw dust, leaves and straw or hay.

Never attempt to compost meat, bones, fats, dairy products, trash/plastics, wood ashes or invasive plants (poison ivy).

Loading the Tumbler/Composter

Rotate Tumbler so that the Sliding Doors are on top. Open one Sliding Door. Add new raw material to this chamber. Close Sliding Door. Every other day the Tumbler should be rotated 3 to 5 times to mix the contents. Continue to add new raw materials to this chamber until it is full. Continue to rotate the Tumbler.

Checking the contents: After several days, the mix should be getting warm/hot. This confirms that the mix is decomposing. Squeeze a handful of compost to make sure the contents are not drying out. If it feels like a damp rag, the water content is fine. If too dry, add just a small amount of water. If the contents are too wet, add more dry, brown materials.

When one chamber is full, now add new raw material to the second chamber and start the curing process with this new material. Repeat the steps mentioned above with this second batch.

Finished compost: After several weeks, when the composting process is complete, the material can be removed from the chamber. Place a tarp or plastic sheet on the ground under the Tumbler. Rotate the Tumbler so that the Sliding Doors are facing the ground, and slowly open the Door of the first chamber (with finished compost), to remove the compost. Make sure the other Sliding Door remains closed.

The finished compost will consist of coarse and fine material. This finished compost can be sifted and used in a potting mix. More coarse material can be spread around outdoor plants, or mixed directly into the soil.

Additional thoughts:



Some individuals may be particularly sensitive to some organisms in com-

post. Different species of molds and fungi in an active compost process can cause allergic responses. To minimize potential risk, wear common OSHA approved dust masks in dry and dusty conditions and when the Tumbler is rotated.

If you notice an ammonia smell from the mix, this indicates the presence of too much Nitrogen (green materials). To correct, add more brown dry material.

A mix smelling of rotten eggs or a putrid smell indicates mix is too wet with not enough Oxygen. To correct, add more brown dry materials and rotate the Tumbler more frequently.

Insects and flies are attracted to uncovered food scraps. Mix and cover food scraps with dry brown materials.

Since rodents are attracted to meat and fatty foods, never include these items in the composting mix.

Additional Information: A search of the internet will find many sources of good information regarding composting. Recommended: U.S. Environmental Protection Agency website www2.epa.gov/recycle/composting-home

Maintaining the Tumbler Composter

A. The general condition of this product should be checked periodically. Make sure that all hardware is tightened. Make sure that the Sliding Doors are in good condition.

B. Keep the product clean and keep the area around the Tumbler Composter clean of debris to discourage interest from insects, flies and rodents.

Manufactured for and distributed by: Avitec Towing and Garage Equipment Camarillo, CA 93012, U.S.A

www.avitecusa.com

Customer service hours 9:00 am-4:00 pm, Monday-Friday, PST., 1-805-385-9888