

MOLE CHASER WINDMILL

Model 47987

ASSEMBLY and OPERATING INSTRUCTIONS



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For technical questions and replacement parts, please call 1-800-444-3353

Specifications

Overall Dimensions	19-1/2" L x 18-1/2" W
Blade Dimensions	18" L x 2-1/2" W
Weight	2.3 Lbs.

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using tools and this product, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Keep work area well lighted.
3. **Keep children away.** Children must never be allowed in the work area. Do not let them handle Windmill.
4. **Use the right product for the job.** There are certain applications for which this Windmill was designed. Do not modify this Windmill and do not use this Windmill for a purpose for which it was not intended .
5. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically nonconductive clothes and nonskid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
6. **Use eye protection.** Always wear ANSI approved impact safety goggles during assembly.
7. **Do not overreach.** Keep proper footing and balance at all times.
8. **Maintain tools with care.** Keep Windmill clean for better and safer performance. Follow instructions for lubricating.
9. **Stay alert.** Watch what you are doing, use common sense. Do not assemble the Windmill when you are tired.
10. **Check for damaged parts.** Before using Windmill, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.

11. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool.
12. **Do not assemble Windmill if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not assemble the tool.
13. **Maintenance.** For your safety, maintenance should be performed regularly by a qualified technician.
14. **Location.** Choose a safe location away from power lines to install the Windmill.

Caution: If setting up the Windmill on a roof surface, extreme care must be taken when working on a sloped, slippery roof surface; this type of work on a roof should only be done by an experienced worker who is capable of handling the physical demands of this type of job.

15. **Extreme Weather Conditions.** Be aware that the Windmill is not designed to withstand extreme weather conditions; the product may break or fail under extreme weather conditions resulting in property damage and/or personal injury. Locate the product in an area that is clear of passing people or animal traffic.

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Unpacking

When unpacking, check to make sure the parts listed on page 5 are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual as soon as possible.

Assembly and Operation

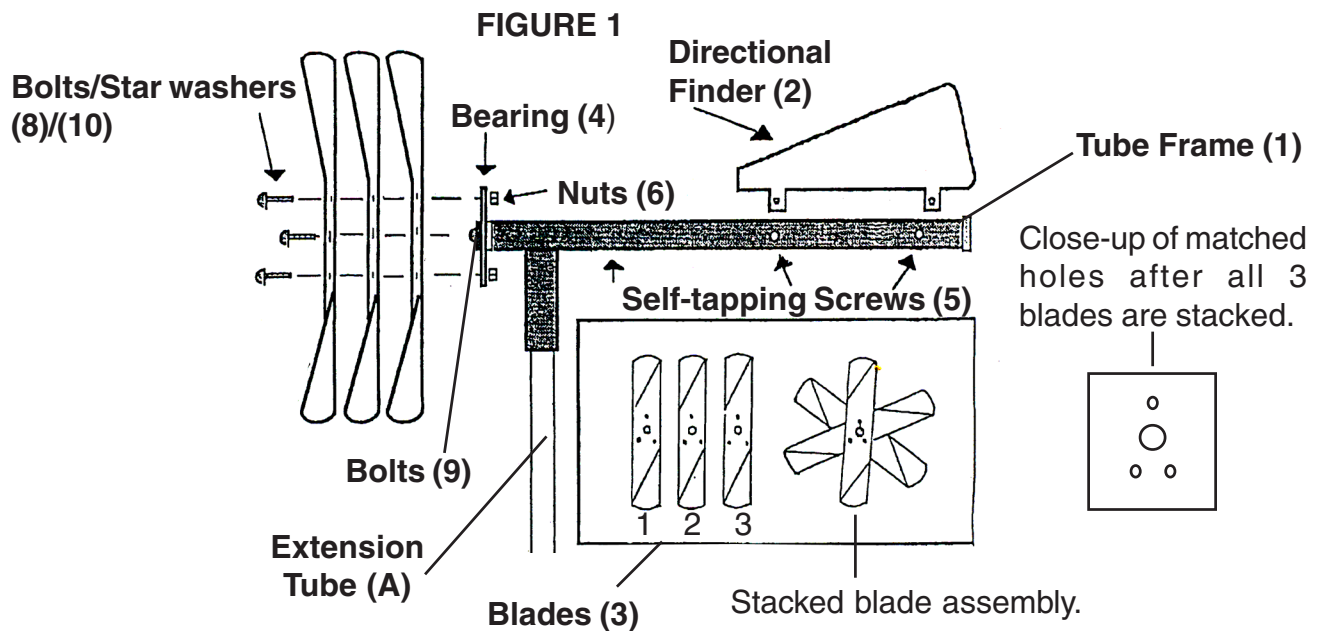
Refer to FIGURE 1 below, and the Assembly Drawing on page 5.

Warning!! Before setting this Windmill in the ground, contact your local utility company to make sure there are no buried cables or pipes in the desired location. If locating the Windmill on a rooftop, read and adhere to the warnings on page 3.

1. Stack the **Blades (3)** so that they resemble the pattern in the box in **FIGURE 1**, making sure the fins face out, toward the wind. Lay number 2 over number 1 so that the holes match. Then, lay number 3 over number 2 so that all four holes match evenly.
2. Lubricate the **Bearing Assembly (4)** prior to assembly, using a lightweight grease.
3. Using three **Bolts (8)** and three star **Washers (10)**, attach the blade assembly to the **Bearing Assembly (4)** and secure with three **Nuts (6)**.
4. Attach the **Directional Finder (2)** to the **Tube Frame (1)** with two **Self-tapping Screws (5)**. Thread in the **Bolt (9)** to secure the **Bearing Assembly (4)**. See Figure 1.
5. Tap **Extension Tube (B)** into the ground. Make sure it is securely in place and insert **Extension Tube (A)** onto **Tube (B)**.

Operation Notes:

1. A rattling sound in the tube is normal.
2. Just a few turns in a 24 hour period will effectively rid the area of moles.
3. Keep the unit lubricated. See Maintenance section below.

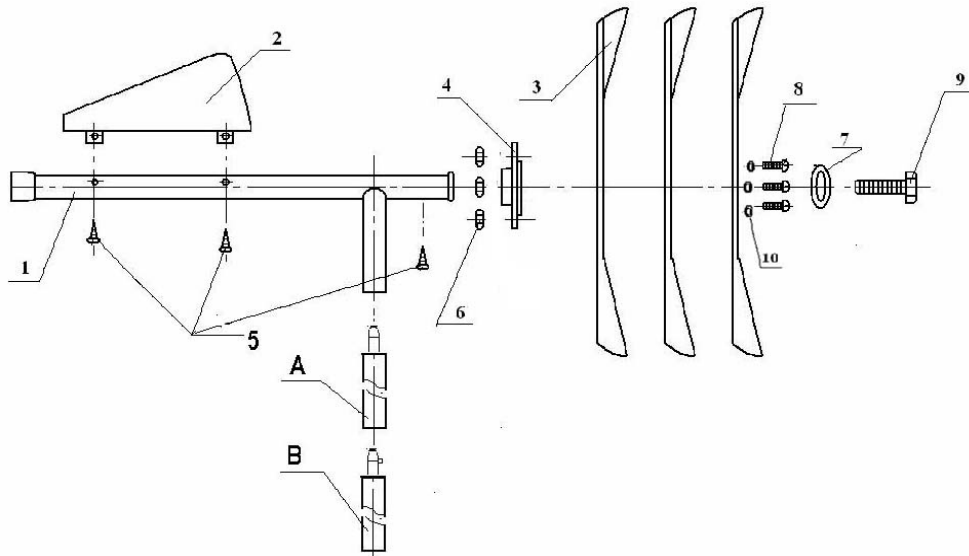


Maintenance

1. The **Bearing Assembly (4)** is not grease-packed, it will require lubricating periodically.
2. Check the pole stability periodically. If it seems loose, remove the Windmill and pound in the pole. Replace the Windmill.
3. Keep the **Blades (3)** clean of dirt and debris.

Parts List and Assembly Drawing

Part No.	Description	Qty
1	Tube Frame	1
2	Direction Finder	1
3	Blade	3
4	Bearing Assembly	1
5	Self-tapping screw	3
6	Nut	3
7	Washer	1
8	Bolt	3
9	Bolt	1
10	Star-washer	3
A	Extension Tube	1
B	Extension Tube	1



PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.