

CEN-TECH™

MAGNETIC BASE

WITH FINE ADJUSTMENT

Model 5645

ASSEMBLY & OPERATING INSTRUCTIONS



Visit our website at: <http://www.harborfreight.com>



**Read this material before using this product.
Failure to do so can result in serious injury.**

SAVE THIS MANUAL.

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

REV 05h, 09i

THANK YOU for choosing a **HARBOR FREIGHT TOOLS** product. For future reference, please complete the owner's record below:

Model _____ Serial No. _____ Purchase Date _____

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.

Technical Specifications

Product Name:	Magnetic Base
Item Number:	5645
Magnetic Pull:	45 Lbs.



IMPORTANT SAFETY INSTRUCTIONS!



READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT!

Safety Warnings and Precautions

WARNING: When using 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 product!

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
3. **Store idle equipment.** When not in use, products must be stored in a dry location. Always lock up the Airplane and keep out of reach of children.
4. **Do not force product.** It will do the job better and more safely at the rate for which it was intended. Do not use inappropriate attachments in an attempt to exceed the tool capacity.
5. **Use the right product for the job.** Do not attempt to force a small product or attachment to do the work of a larger industrial product. There are certain applications for which this product was designed. Do not modify this product and do not use this product for a purpose for which it was not intended.
6. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Wear restrictive hair covering to contain long hair.
7. **Check for damaged parts.** Before using, 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.
8. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Approved accessories are available from Harbor Freight Tools.

9. **Do not use this product 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 operate the product.
10. **Use eye protection.** Always wear ANSI approved impact safety goggles.

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.

Assembly

Your Magnetic Base will require some assembly as described in the following steps. To assist you with assembly and operation please refer to the Parts List located on the last page of this manual.

- Step 1) Thread the Upright Post with Lock Nut (#2) onto the Base (#1).
- Step 2) The Upright Post Swivel (#3) should be slid into place on the Upright Post with Lock Nut (#2). Turn the Upright Post Swivel clockwise to secure it in place. Insert the Snug Gauge Rod (#4) through the Upright Post Swivel (#3).
- Step 3) Slide the Indicator Clamp (#5) onto the Snug Gauge Rod (#4).

Operation

Settings and Adjustments

When making adjustments, make certain that all thumbscrews are fully tightened and Swivels are secure when adjustments are complete.

The Magnetic Base can be attached to flat or round surfaces. For use on a Q.A. table, it can reach out 12". It can be set to many different positions.

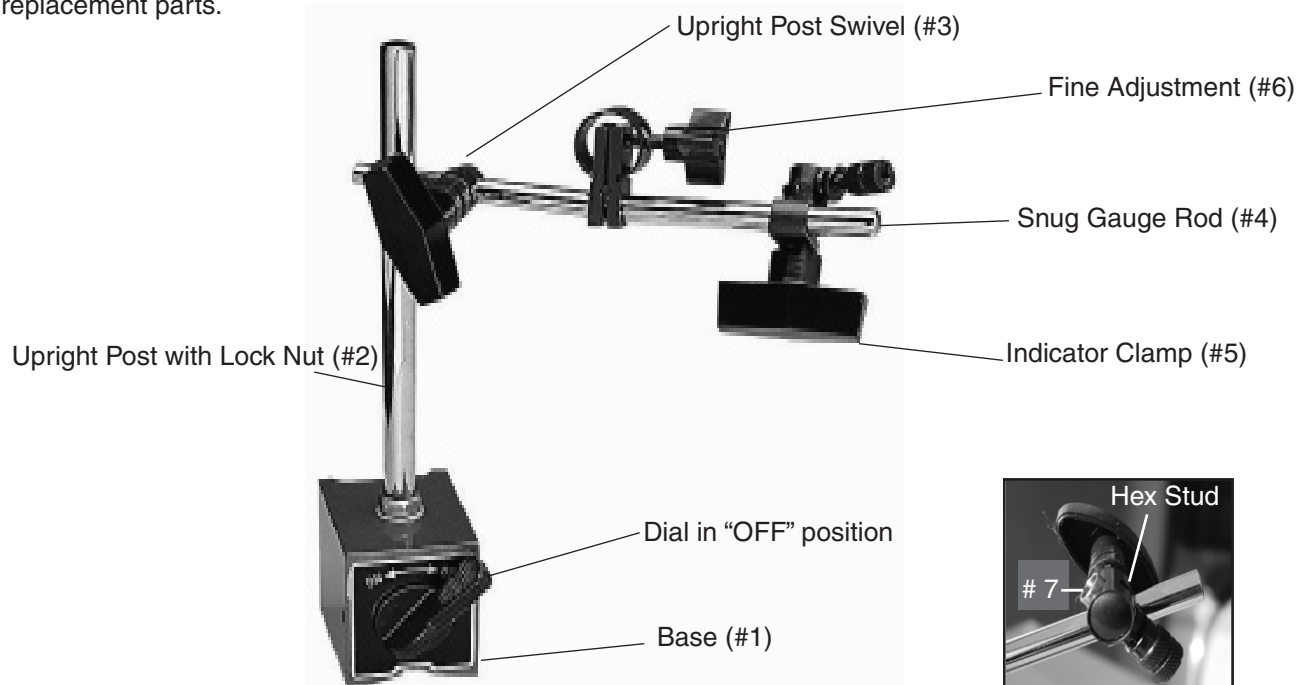
- Step 1) Set the Base (#1) in the desired position. Turn the Dial counterclockwise to "ON" to engage the Magnet.
- Step 2) Loosen the thumbscrew on the Upright Post Swivel (#3) and move the Upright Post Swivel (#3) and the Snug Gauge Rod (#4) to the desired location.
- Step 3) Position the Indicator Clamp (#5) as desired.
- Step 4) Turn the Fine Adjustment (#6) knob to fine tune the position of the Snug Gauge Rod (#4).

Unpacking

When unpacking your Magnetic Base, check to make sure the following parts are included. If any parts are missing or broken, please call **HARBOR FREIGHT TOOLS** at **1-800-444-3353**.

Part #	Description	Quantity
1.	Base	1
2.	Upright Post with Lock Nut	1
3.	Upright Post Swivel	1
4.	Snug Gauge Rod	1
5.	Indicator Clamp	1
6.	Fine Adjustment	1
7.	5/16" Adjustment Bushing	1

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



Note: Part# 7 (5/16" Adjustment Bushing) fits into part# 5. It will allow you to clamp 5/16" stem dial indicators. Without the bushing it will clamp 3/8" stem dial indicators. The bushing is held in place with a small hex stud.

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.