

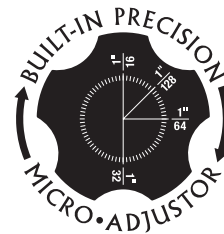
MULTI-FENCE SYSTEM™

with **MICRO-ADJUSTOR**

Fence Rail Installation Guide

HTC-800
Contractor Version

HTC-900
Commercial Version



HTC Products, Inc.
P.O. Box 839
Royal Oak, MI 48068-0839
800-624-2027

U.S. and Worldwide Patents Pending.

Thank You and Congratulations!

The HTC Contractor and Commercial Multi-Fence Systems are designed to give you years of dependable service. An extension table should be used on both the 30" or 50" systems. Extension table support legs with leveler glides (part #2677) should also be installed to support the table, and to maintain fence rail parallelism. In addition, the install requires a minimum table edge thickness of 1 1/2". Designed for easy installation on most saws, occasional field adjustments may be required to achieve satisfactory application.

General Product Safety Warning

As with all products there are certain hazards involved with their operation and use. Using any product with respect, caution, and common sense will considerably lessen the possibility of personal injury. Safety is a combination of staying alert, knowing how the product works, and knowing how to properly use the product. To use any product safely you should plan ahead and practice the proper steps prior to actually using the product. If safety rules and instructions are overlooked or ignored, personal injury to the operator or other people in the area may result. Safe operation of any product requires that you read and understand the product instructions and all labels affixed to the product.

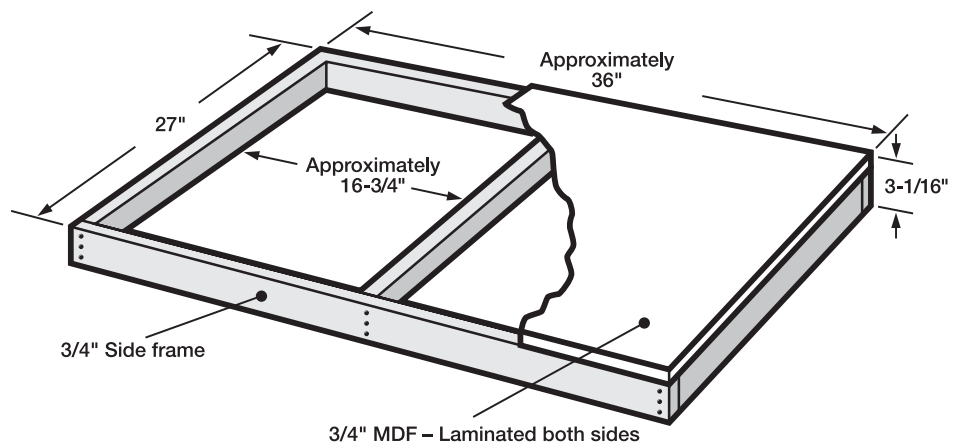
Always read and follow all instructions and safety rules carefully.

This product is designed for certain uses only. This product or any of its parts shall NOT be altered, changed, or modified in any way and/or used for any other use than it's designed for. If you have any questions about its proper care or use DO NOT use the product until you have written HTC and we have advised you in writing.

HTC Products, Inc. – Technical Support
P.O. Box 839
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248-399-6185 • 800-624-2027

8:00 AM to 5:00 PM EST/EDT Monday – Friday

Typical Shop Built Extension Table



Installation

Fence Rail installation

1. Bolt the front rail to the main saw casting with two $\frac{1}{4}$ " – 20 x $1\frac{1}{4}$ " hex bolts and two $\frac{1}{4}$ " flat washers through the front side of the rail, followed by two $\frac{1}{4}$ " flat washers, two $\frac{1}{4}$ " lock washers, and two $\frac{1}{4}$ " – 20 hex nuts on the back side (under the table). Do not tighten at this time.
 - A). Front rail size on a Commercial system – $2\frac{1}{2}$ " x $2\frac{1}{2}$ " x $\frac{1}{4}$ "
 - B). Front rail size on a Contractor system – $1\frac{1}{2}$ " x 2" x $\frac{3}{16}$ " with slotted holes in both legs.
2. Set a combination square at $\frac{9}{16}$ " if installing a Commercial rail or at $\frac{7}{8}$ " if installing a contractor rail. Use the square to position the fence rail on the saw below the table surface. (Figure 1).

Note: It is more important to have the rail parallel to the table surface, than to be exactly $\frac{9}{16}$ " below the table (Commercial) or $\frac{7}{8}$ " below the table (Contractor).

3. When the rail is parallel and as close as possible to the dimension noted for your system, tighten the two bolts.
4. Secure the rail to both extension wings using $\frac{1}{4}$ " – 20 x $1\frac{1}{4}$ " hex bolts, washers, lock washers and hex nuts, as in Step 1. If required, secure the machine On/Off switch at this time as well.
5. Bolt the rear rail to the main saw casting using $\frac{5}{16}$ " – 18 x $\frac{3}{4}$ " hex bolts, lock washers, and flat washers, threaded into the tapped holes in the casting. If the thread holes in your saw are different than noted, use the appropriate size. (May require local purchase).
6. Check to be certain the rail clears the miter slots (Figure 2), and is relatively parallel with the table surface. Secure the bolts installed in Step 5.
7. Secure the rear rail to the extension wings using $\frac{1}{4}$ " – 20 x $1\frac{1}{4}$ " hex bolts, flat washers, lock washers and hex nuts as in Step 1.

Install Extension Table before attaching Guide Tube

1. Place your shop built or purchased extension table upside-down on work bench or table saw.
2. Position extension table support legs onto the outboard end of table. Mark the mounting hole locations, using the leg bracket as the template.
3. Pre-drill the marked holes with $\frac{3}{16}$ " drill bit approximately $\frac{1}{2}$ " deep. Exercise caution to prevent drilling through the table top or frame.
4. Mount both legs to your extension table with supplied hardware. (Figure 3).
5. Position the extension table between the front and rear rails. Use 2 or more clamps to hold in position.
6. Using a straight edge, level the extension table with the saw table.
7. Using the holes in the front and rear rails as a guide, drill through the extension table frame with a $\frac{1}{4}$ " bit (Figure 4) . Minimum 2 holes front, 2 holes rear.
8. Attach the extension table to the fence rails with $\frac{1}{4}$ " – 20 x $1\frac{3}{4}$ " hex bolts, flat washers, lock washers and hex nuts as in Step 1 of previous section.



Figure 1

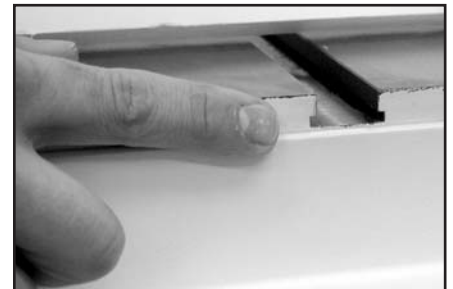


Figure 2



Figure 3



Figure 4

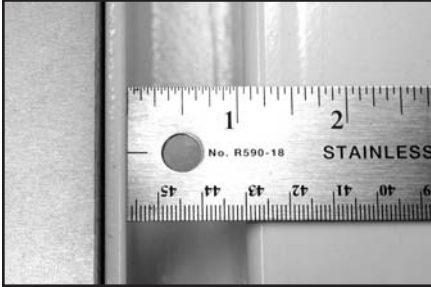


Figure 5

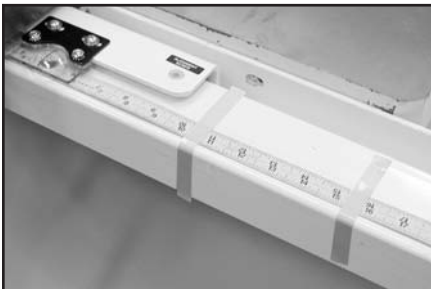


Figure 6

Hardware List	Qty.
1/4" – 20 x 1 1/4" Hex Bolt	6
1/4" Flat Washer	20
1/4" Lock Washer	16
1/4" – 20 Hex Nut	10
5/16" – 18 x 3/4" Hex Bolt	2
5/16" Flat Washer	2
5/16" Lock Washer	2
1/4" – 20 x 1 3/4" Hex Bolt	4
1/4" – 20 x 3/4" Hex Bolt	6
Gauge Tape	1
Tube Plugs	2

Attach the Guide Tube

1. Position the guide tube over the fence rail, matching tapped holes in tube with slotted holes in the rail. Try to position the mounting bolts in the center of the rail slots. Secure with 1/4" – 20 x 3/4" hex bolts and lock washers.

Note: Measure distance between table and tube. Adjust to maintain parallelism over the entire length. (Figure 5).

Caution: Do not over tighten these fasteners.

2. Install the tube plugs on each end of the guide tube.

Installing Gauge Tape

1. Follow the instructions for adjusting and tuning the Multi-Fence head, found in the instruction manual accompanying that component.
2. Adjust the cursor on the fence clamp "T" to the center of the adjustment slot.
3. Move the fence to within approximately 5" to the right of the blade and lock in place. Do not lock the Micro Adjustor.
4. Make a test cut using scrap material. Record the exact measurement of the cut piece for the next step.
5. Without unlocking the fence, slip the gauge tape under the fence clamp "T" and under the Micro Adjust saddle.
6. Position the gauge tape under the cursor to the measurement recorded in Step 4. Temporarily secure the gauge tape to the guide tube with masking tape. (Figure 6).
7. Unlock and remove the fence.
8. Starting from the end closest to the blade, carefully peel the adhesive backing off the first 1" – 2" of the gauge tape and tear off. Secure this section to the fence tube. You can now carefully remove the masking tape installed in Step 6. Peel remaining backing off the gauge tape and adhere to the guide tube.
9. Once the gauge tape is fully installed onto the guide tube, repeat the test cut procedure. Fine tuning can be accomplished by adjusting the cursor, or if necessary by moving the guide tube left/right along the mounting rail.

LIMITED LIFETIME WARRANTY

Products manufactured by HTC Products, Inc. are guaranteed to be free from defects in material and workmanship under normal use and service. HTC's obligation under this warranty shall be limited to repairing or replacing for the original owner, at our option, any part of said equipment which HTC's examination shall disclose to its satisfaction to be thus defective.

Any product or component claimed to be defective is to be sent prepaid to: HTC Products, 332 E. Lincoln, Royal Oak, MI, 48067 Attn: Warranty Department, together with a copy of the original, dated sales receipt. Call for authorization number before shipping.

This warranty does not apply to damages resulting from shipping, accident, misuse, abuse or alteration.

Wear items (wheels, bearings, bushings, rubber feet, etc.) are warranted for a period of 1 year. Consumable items (fence faces, saw guard shields) are warranted for a period of 60 days.



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