

# MULTI-FENCE SYSTEM™

with **MICRO-ADJUSTOR**

## Operators Manual



**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!

Thank you for your recent purchase of an HTC Multi-Fence System. This product is manufactured in the USA by craftsmen dedicated to making high quality, reliable products. For this product, HTC combines a patent-pending T-square fence design with micro-adjust, quick-change fence faces, and jig capabilities to complete an accessory for your saw that is truly a "Multi-Fence System"!

### Purchaser's Record

Model Number: \_\_\_\_\_

Purchased From: \_\_\_\_\_

Address: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

This information becomes your permanent record of a valuable purchase. It should be filled in promptly then kept in a safe place along with your purchase receipt to be referred to as necessary for insurance purposes or when corresponding with HTC Products. Fill out and return the enclosed warranty card.

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

# General Safety Rules

The following general safety rules are supplied as an aid for the safe use of many products. This is NOT a complete list of all possible safety rules. Safe use of a product includes but should NOT be limited to the following safety rules.

1. **For your own safety, read instruction manual before operating the tool. Know the tool.** Read and understand the owner’s manual and labels affixed to the tool.
2. **Keep work area clean.** Cluttered areas and benches invite accidents and create fire hazards.
3. **Wear proper apparel.** Do not wear loose clothing, gloves, neckties, bracelets, drawstrings, necklaces, ornaments, rings, wristwatches, or jewelry of any kind. They can get caught and pull you into moving parts.
4. **Avoid dangerous environment.** Keep alert to potential hazards in the working environment. Do not use tool in situations such as damp or wet locations or in the presence of highly combustible materials, dust, and flammable liquids, fumes, vapors or gasses.
5. **Keep children and visitors away.** All visitors should be kept a safe distance from work area.
6. **Wear safety goggles.** Wear safety goggles (not glasses) at all times. All eye protection must comply with the ANSI Z87.1 standard for eye protection. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
7. **Drugs, alcohol, medication.** Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired, upset, ill, or while under the influence of drugs, alcohol, or medication.
8. **First aid.** Have at least one person with first aid training and first aid kits approved by American National Red Cross available at all times.
9. **Fire extinguisher.** Familiarize yourself in the use of portable fire extinguishers. Post the telephone number of the local fire department. Also develop and know emergency procedures in case of fire.
10. **Smoke Detector.** To increase protection against fire, install smoke detectors. For proper selection and installation guidelines contact your local fire department.
11. **Use right tool.** Don’t force tool or attachment to do a job it was not designed for. Don’t use tool for purpose not intended – for example – do not use circular saw for cutting tree limbs or logs or do not use a lawnmower to trim bushes or hedges.
12. **Don’t force tool.** It will do the job better and safer at the rate for which it was designed.
13. **Secure work.** Keep hands well away from moving parts, saw blades, and other cutting tools. Use a push stick or push block to hold or guide the work when working close to cutting tool. Use jigs, fixtures, miter gauge, clamps or vises to hold work when practical. Use a featherboard when an applicable guard cannot be used or for added safety. Loose workpieces are a hazard.
14. **Never leave tool running unattended.** Turn power off. Don’t leave tool until it comes to a complete stop.
15. **Keep guards in place.** Be sure that guards, hold-downs, and antikickback devices are in working order, and positioned properly, and are in proper adjustment and alignment.

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16. **Remove adjusting keys and wrenches.** Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning the tool on.
17. **Cutting tool exposure.** Adjust the tool for minimum exposure of cutting tool necessary to perform the operation.
18. **Direction of feed.** Feed work into a blade or cutting tool against the direction of rotation of the blade or cutting tool only.
19. **Don't overreach.** Keep proper footing and balance at all times.
20. **Never stand on tool.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
21. **Avoid accidental starting.** Make sure switch is in the "OFF" position before plugging in tool. Do not carry a plugged in tool with finger on switch.
22. **Inspect workpiece.** Always inspect workpiece to make sure there aren't any nails or foreign objects in the part of the workpiece to be worked on.
23. **Plan ahead.** Mentally plan ahead to protect your eyes, hands, body, face and hearing. Do layout, assembly, setup work, material handling, and planning before using tool.
24. **Disconnect tools.** Always turn tool "OFF" and disconnect the cord from the power source before tool is serviced or when installing or removing accessories such as blades, bits, or cutters etc.
25. **Maintain tools with care.** Inspect tool before each use. It is recommended that the general condition of any tool be examined before it is used.
26. **Check damaged parts.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function.
27. **Ground all tools.** Make sure wiring codes and recommended electrical connections are followed and that tool is properly grounded.
28. **Outdoor use extension cords.** When tool is used outdoors, use only extension cords marked "suitable for use with outdoor appliances – store indoors when not in use."
29. **Ground Fault Circuit Interrupters - (GFCI's)** provide additional means to reduce serious electrical shock while using a power tool.

## Table Saws Are Very Dangerous

All Table Saws are inherently dangerous and should never be used by anyone who is not thoroughly trained and experienced.

It is the responsibility of those making the set-up on a table saw to first determine if there is not a safer way to accomplish the desired result.

# Applications

The HTC Multi-Fence System is designed to fit **current** table saw fence rails from the following manufacturer's fence systems: Jet Exacta, Powermatic Accu-Fence, Biesemeyer Commercial. Compatibility with other similar rail systems is possible, and can be determined by measuring the distance from the table surface to the top of the rail tube as shown in Figure 1. For compatibility, this measurement must be  $\frac{5}{8}$ " for the HTC-800, and  $\frac{13}{16}$ " for the HTC-900.

## Adjustments / Set-up

Before using your new Multi-Fence System, a few adjustments will need to be made to insure proper operation. Follow the simple steps detailed below.

### Square the fence face to the saw table

1. Lightly engage the main fence lock. Simply snugging the fence to the rail at this point is fine. The nylon set screws shown in Figure 2 should be resting on the fence rail.
2. Place a square on the table against the fence face. The fence should be  $90^\circ$  to the table. Figure 3.
3. If adjustment is necessary, unlock the fence and adjust the nylon set screws until the fence is  $90^\circ$  to the table.
4. Re-engage the main fence lock and check the setting.

### Leveling

1. Lightly engage the main fence lock. Sight along the bottom edge of the fence face and compare the distance between the table surface and the bottom of the fence face. This should be a constant  $\frac{1}{32}$ " front to back. Figure 4.
2. Should adjustment be necessary, unlock the main fence lock.
3. Raise or lower the nylon set screws shown in Figure 2. Rotate both the set screws the same amount to prevent disturbing the square adjustments made in the previous step.
4. Re-engage the main fence lock and check the setting.

### Parallelism and Clamp Pressure

Adjusting for parallelism and clamp pressure is best accomplished at the same time.

1. Place the fence next to the outside edge of the right miter slot, and engage the main fence lock. Figure 5.
2. Before making any adjustments, note the location of the fence face in relation to the miter slot. It should be parallel with the miter slot.
3. Main fence lock should engage fully onto flat machined in the fence lock cam. This should engage securely but not be overly tight. Figure 6.
4. Should adjustment for clamp pressure or parallelism be required. Remove the fence and turn over. Figure 7.
5. Adjust one or both screws shown in Figure 7 until clamp pressure and parallelism with miter slot is satisfactory.

Note: Tighten both the set screws (clockwise) to increase clamp pressure. Tighten one side in, the other side out, to adjust for parallelism.

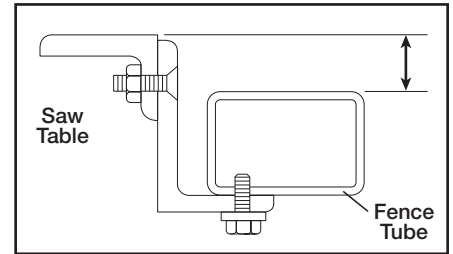


Figure 1

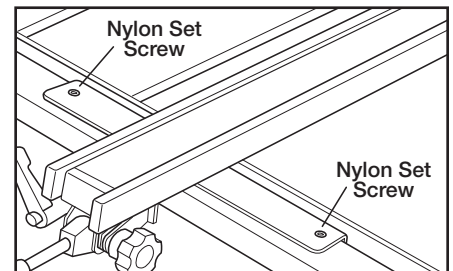


Figure 2

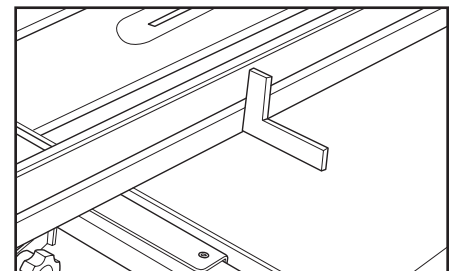


Figure 3

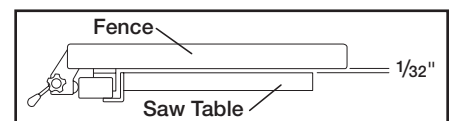


Figure 4

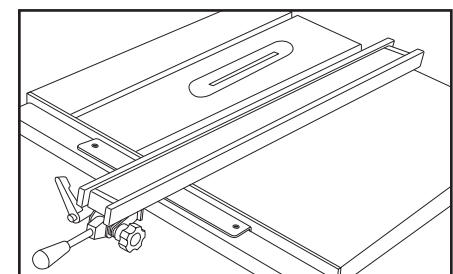


Figure 5

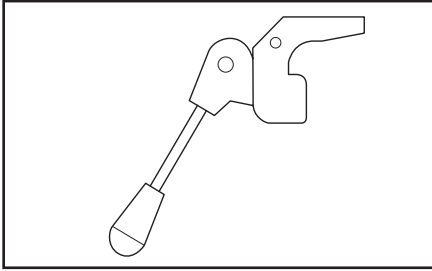


Figure 6

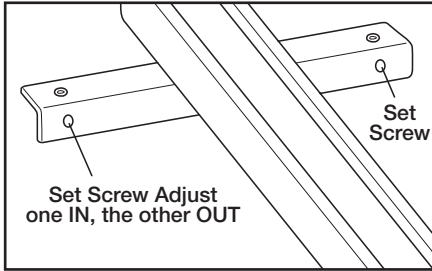


Figure 7

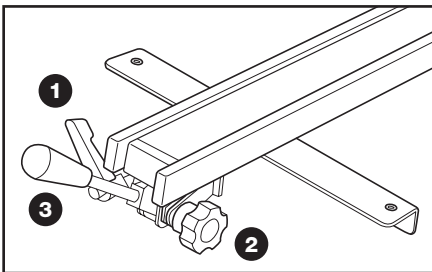


Figure 8

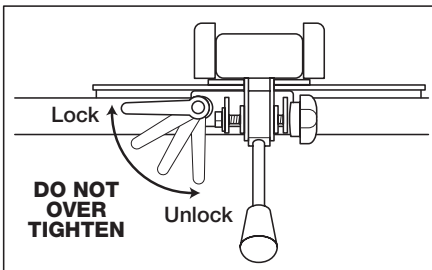


Figure 9

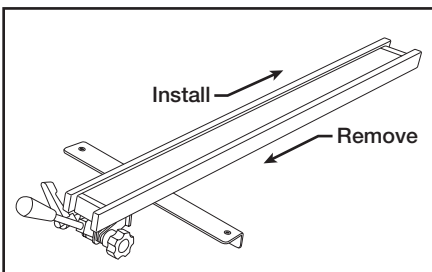


Figure 10

### Cursor Adjustment/Setting

1. Raise the saw blade above the table top. Be sure power has been disconnected.
2. Unlock the fence and slide it to approximately 4" from the blade. Engage the main fence lock.
3. Measure the distance between the blade and the inside of the fence face.
4. Adjust the cursor to read the distance just measured and tighten the cursor assembly to the fence.
5. Make a test cut to confirm the setting.

Note: This adjustment must be checked whenever a different blade is installed.

### Micro-Adjust Use

1. Position fence to approximate location for the cut being planned. Main fence lock **3** can be very lightly engaged to square the fence. Figure 8.
2. Secure the Micro-Adjust quick lock lever **1**. This lever is spring loaded for speed and ease of use.
3. Rotate Micro-Adjust knob **2** to move fence to desired position. Use the fence cursor and rail measuring tape as your guide.
4. Fully engage the main fence lock **3** to secure the fence for the cut.

ROTATION	ADJUSTMENT	
☉ 1/8 Turn	1/128"	0.0078"
☉ 1/4 Turn	1/64"	0.0156"
☉ 1/2 Turn	1/32"	0.0313"
● Full Turn	1/16"	0.0625"

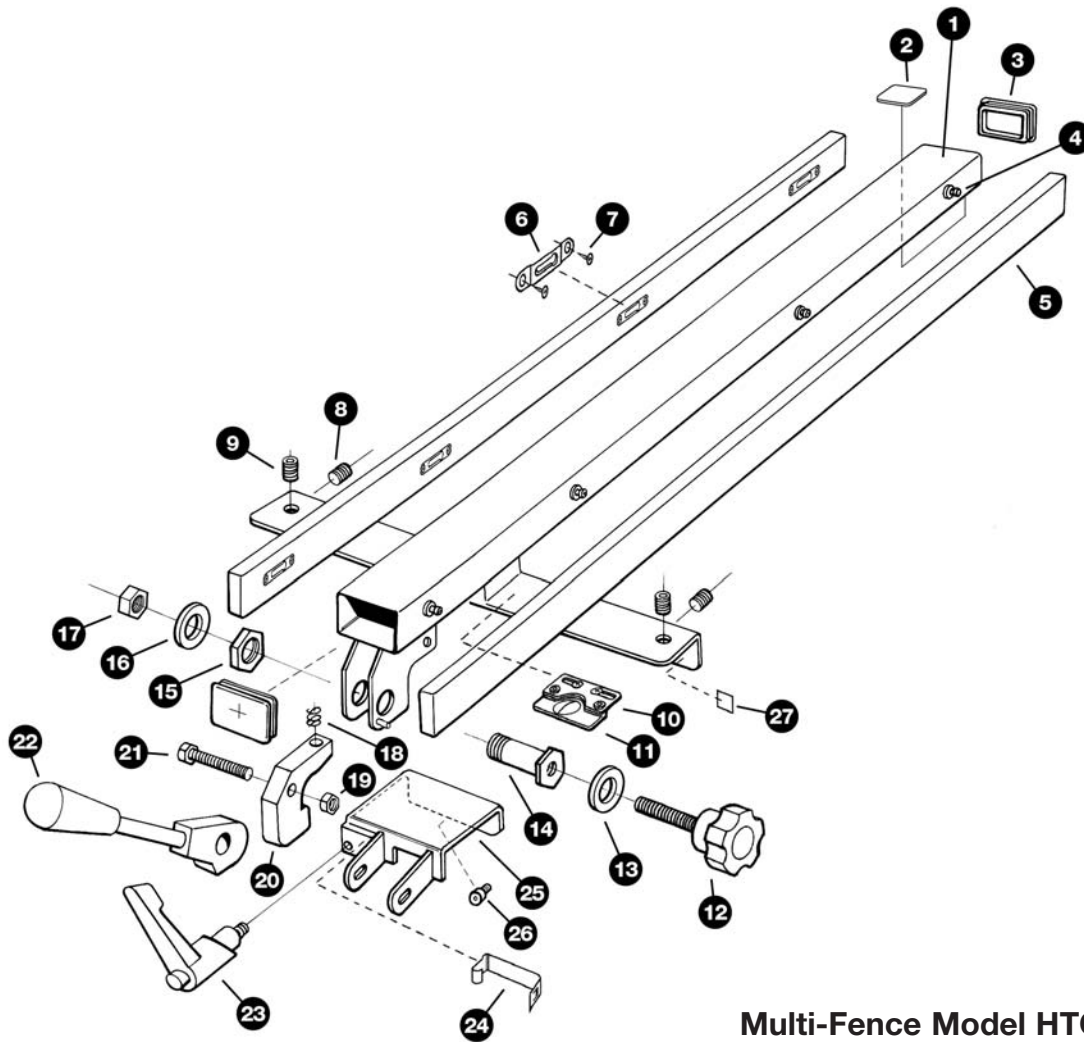
**TIP: Adjust the quick lock knob so the Micro-Adjuster is locked, with the handle positioned as shown in Figure 9. A 1/4 rotation of the handle will then be all that is required to unlock the Micro-Adjust saddle.**

### Fence Face Removal

The fence faces on your Multi-Fence System are easily removed by lightly tapping the outfeed end of the fence face with a rubber mallet. Figure 10.

To reinstall, simply align the key hole shaped fasteners in the fence face, over the screws in the fence tube, and tap into the locked position from the infeed end.

# Parts



## Multi-Fence Model HTC-800

Description	Part #	Qty.
1 Fence Body	5085	1
2 Wear Pad	A109	1
3 Dust Cap	G511	2
4 Stud	C104	8
5 Side Face	2833	2
6 Mounting Clip	F102	8
7 Screw	D316	16
8 5/16" – 18 x 3/8" Adjustment Screw	C225	2
9 1/2 – 13 x 1/2" Adjustment Screw	A107	2
11 Cursor	A306	1
12 Micro Adjust Knob	G303	1
13 Spacer	2852	1
14 Pivot Bolt	2811	1
15 Nut	2812	1
16 3/8" Spring Washer	C422	1
17 3/8" – 16 Nut L.H.	C419	1
18 Spring	2834	1
19 1/4" – 20 Nyloc Nut	D912	1
20 Clamp	2818	1
21 Bolt 1/4" – 20 x 1-1/2"	D133	1
22 Lock Handle with Cam	5085B	1
23 Micro Adjust Lock Lever	C103	1
24 Wear Plate	2837	1
25 Micro Adjust Saddle	5086A	1
26 10 – 32 x 1/4" Retainer Bolt	D207	1
27 Friction Spacer (Saddle)	A110	1
27 1/2" x 7/8" Wear Pad	A111	2

## Multi-Fence Model HTC-900

Description	Part #	Qty.
1 Fence Body	5080	1
2 Wear Pad	A108	1
3 Dust Cap	G510	2
4 Stud	C104	8
5 Side Face	2816	2
6 Mounting Clip	F102	8
7 Screw	D316	16
8 5/16" – 18 x 3/8" Adjustment Screw	C225	2
9 1/2 – 13 x 1/2" Adjustment Screw	A107	2
10 Cursor Bracket	A305	1
11 Cursor	A304	1
12 Micro Adjust Knob	G303	1
13 Spacer	2852	1
14 Pivot Bolt	2811	1
15 Nut	2812	1
16 3/8" Spring Washer	C422	1
17 3/8" – 16 Nut L.H.	C419	1
18 Spring	2834	1
19 1/4" – 20 Nyloc Nut	D912	1
20 Clamp	2089	1
21 Bolt 1/4" – 20 x 1-1/2"	D133	1
22 Lock Handle with Cam	5080B	1
23 Micro Adjust Lock Lever	C103	1
24 Wear Plate	2837	1
25 Micro Adjust Saddle	5084A	1
26 10 – 32 x 1/4" Retainer Bolt	D207	1
27 Friction Spacer (Saddle)	A110	1
27 1/2" x 7/8" Wear Pad	A111	2

## 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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Part No. P-138