

# MODEL M1010 BENCHTOP METAL BENDING SET



## INSTRUCTION MANUAL

Phone: 1-360-734-3482 · On-Line Technical Support: tech-support@shopfox.biz

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### **Contents**

INTRODUCTION	2
Woodstock Technical Support	
About Your New Benchtop Metal Bending Set	
Specifications	
Controls and Features	
SAFETY	
Standard Safety Instructions	
Safety Steps for Benchtop Metal Bending Set	
, , , , , , , , , , , , , , , , , , , ,	
SET UP	
Inventory	
Installation	
OPERATIONS	
General	
Bend Tool	9
Twist Tool	12
Scroll Tool	13
MAINTENANCE	14
General	14
Lubrication	
PARTS	
Bend Tool	
Twist Tool	
Scroll Tool	
Parts List	
WARRANTY	ZU



### INTRODUCTION

### Woodstock Technical Support

We stand behind our machines! In the event that a defect is found, parts are missing or questions arise about your machine, please contact Woodstock International Technical Support at 1-360-734-3482 or send e-mail to: **tech-support@shopfox.biz**. Our knowledgeable staff will help you troubleshoot problems, send out parts or arrange warranty returns.

If you need the latest edition of this manual, you can download it from <a href="http://www.shopfox.biz">http://www.shopfox.biz</a>.

If you still have questions after reading the latest manual, or if you have comments please contact us at:

Woodstock International, Inc. Attn: Technical Support Department P.O. Box 2309 Bellingham, WA 98227

### About Your New Benchtop Metal Bending Set

Your new SHOP FOX® Benchtop Metal Bending Set has been specially designed to provide many years of trouble-free service. Close attention to detail, ruggedly built parts and a rigid quality control program assure safe and reliable operation.

When mounted to a secure work bench, and with a complete set of jigs, your Benchtop Metal Bending Set can make an incredible array of bent and twisted metal shapes with round, square, or rectangular metal. These shaped metal pieces can be welded or fastened together to make ornate railings, supports, or framework for metal furnature.

Woodstock International, Inc. is committed to customer satisfaction in providing this manual. It is our intent to make sure all the information necessary for safety, ease of assembly, practical use and durability of this product be included.

### **Specifications**

Bend Tool for Mild Steel	
Maximum Angle Range	60° to 90°
Maximum Round Stock Diameter	3/8" x 40"
Riveting Capacity (1/8" x	( 1-1/4"), (3/16" x 1-1/4"), (1/4" x 1-1/4")
Twist Tool for Mild Steel	
Rectangular Metal Bar	
Square Metal Bar	3/8" x 40"
Round Metal Bar	3/8" x 40"
Scroll Tool for Mild Steel	
Rectangular Metal Bar	1-1/4" x 1/4"
Square Metal Bar	3/8" x 3/8"
Round Metal Bar Diameter	
Approximate Tool Weight	233 lbs.

### **Controls and Features**

This section summarizes the basic functions of each metal bending tool.

#### **Bend Tool**

Used to bend metal at precise angles ranging from 0-60° and 0-90°, depending on which side of the bending block is used (see **Figure 1**).

Used to roll metal, make curves of various degrees, diameters and shapes.

Used to clamp and rivet two pieces of metal together.



Figure 1. Bend tool.

#### **Twist Tool**

Used to make decorative types of metal simply by holding one end of the metal and turning, or rotating the other end until the desired twist is achieved (see **Figure 2**).

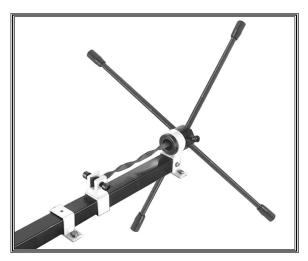


Figure 2. Twist tool.

#### **Scroll Tool**

Used to make ornamental and useful type scrolls. The scroll tool comes with two dies to expand the capacity of the scroll effect (see Figure 3).



Figure 3. Scroll tool.



### **SAFETY**

# READ MANUAL BEFORE OPERATING TOOL. FAILURE TO FOLLOW INSTRUCTIONS BELOW WILL RESULT IN PERSONAL INJURY.

### **▲**DANGER

Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

### **A**WARNING

Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

### **A**CAUTION

Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.

### **NOTICE**

This symbol is used to alert the user to useful information about proper operation of the equipment, and/or a situation that may cause damage to the machinery.

### Standard Safety Instructions

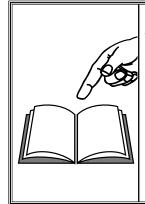
- 1. Thoroughly read the Instruction Manual before operating your tool. Learn the applications, limitations and potential hazards of this tool. Keep the manual in a safe and convenient place for future reference.
- 2. Keep work area clean and well lighted. Clutter and inadequate lighting invite potential hazards.
- **3.** Wear eye protection at all times. Use safety glasses with side shields or safety goggles that meet the appropriate standards of the American National Standards Institute (ANSI).
- **4.** Ensure all levers, pins, pivots, dies, and mountings are securely in place and in working condition.
- 5. Keep work area clean, free of clutter, grease, etc.
- **6. Keep children and visitors away.** Visitors must be kept at a safe distance while bending metal.
- 7. Childproof your workshop with padlocks, master switches or by removing starter keys.
- 8. Do not force tool. The tool will do a safer and better job at the rate for which it was designed.
- 9. Use correct tool. Do not force tool or attachment to do a job for which it was not designed.
- **10. Wear proper apparel.** Do not wear loose clothing, neck ties, gloves, jewelry, and secure long hair away from moving parts.



- 11. Keep proper footing and balance at all times.
- **12. Perform tool maintenance and care.** Follow lubrication and accessory attachment instructions in the manual.
- **13.** If at any time you are experiencing difficulties performing the intended operation, stop using the tool! Then contact our technical support or ask a qualified expert how the operation should be performed.
- **14. Habits—good and bad—are hard to break.** Develop good habits in your shop and safety will become second-nature to you.



### Safety Steps for Benchtop Metal Bending Set



### WARNING

READ and understand this entire instruction manual before using these tools. Serious personal injury may occur if safety and operational information is not understood and followed. DO NOT risk your safety by not reading!

### **A**CAUTION

USE this and other tools with caution and respect. Always consider safety first, as it applies to your individual working conditions. No list of safety guidelines can be complete—every shop environment is different. Failure to follow guidelines could result in serious personal injury, damage to equipment or poor work results.

- 1. **FALLING HAZARD!** Do not operate Benchtop Metal Bending Set unless it is bolted to a sturdy workbench.
- 2. UNCONTROLLED MOVEMENT HAZARD! Be aware that certain metals can snap or shear rather than bend, causing a lever to unexpectedly move to a maximum distance causing injury. Always have a stable footing and anticipate unexpected metal breakage.
- 3. OVERLOAD HAZARD! Never use a cheater pipe or crowbar to increase leverage, or you will break the tool.
- **4. AMPUTATION HAZARD!** Never position fingers in or near the mechanism or between dies when using the tool.
- 5. EYE HAZARD! Always wear safety glasses when using metal bending tools.
- **6. GENERAL SAFETY HAZARD!** Do not modify any metal bending tool for a task other than what it is designed for.
- 7. BREAKAGE HAZARD! Heat can weaken hardend metal. Never apply heat or weld on any metal while it is installed in the tool, and never apply heat or weld on any metal bending tool, pivot pin, shaft, lever or die.
- **8.** LACK OF KNOWLEDGE HAZARD! If at any time you are experiencing difficulties performing the intended operation, stop using the tool! Then contact our technical support or ask a qualified expert how the operation should be performed.



### **SET UP**

### **Inventory**

Refer to the list below and use **Figure 4** to inventory your package. If you notice the tool has been damaged or is missing parts, contact your dealer or Woodstock International Technical Support at 1-360-734-3482 or send e-mail to: tech-support@shopfox.biz

Α.	Bending Tool Assembly	1
В.	Twist Tool Assembly	1
C.	Scroll Tool Assembly	1
D.	Handle and Hardware Bag	
	-Twist Tool Handles	4
	-Scroll Tool Handles	4
	-Hex Wrenches 8mm, 10mm	2



### **AWARNING**

SUFFOCATION HAZARD!

Immediately discard all plastic bags and packing materials to eliminate a choking and suffocation hazard for children and animals.

### Installation

To install the metal bending set, do these steps:

- 1. Thread the four handles into the twist tool hub as shown in Figure 5.
- 2. Attach the hand lever to the bottom of the scroll tool base as shown in Figure 6.
- 3. Before mounting the M1010 metal bending set to the work surface, make sure the mounting surface is solid enough to hold the tool and the work material.
- 4. Place each tool onto the work surface and make sure adequate work room has been given on all sides as shown in Figures 5, 6, and 7.
- **5.** Using a pen or pencil, transfer the hole locations to the mounting surface.
- 6. Drill and mount the tool to the work surface using 5/16" bolts, washers, and nuts. Avoid using lag screws as screws may pull out of the work surface.

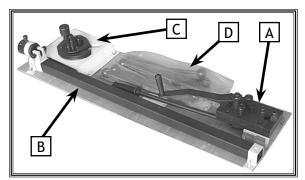


Figure 4. Inventory.

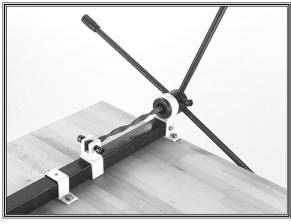


Figure 5. Twist tool.



Figure 6. Scroll tool.

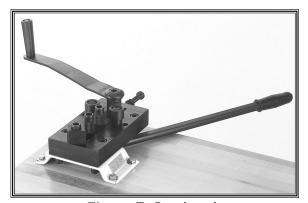


Figure 7. Bend tool.



### **OPERATIONS**

### General

With the set of dies, your Benchtop Metal Bending Set can make an incredible array of bent and twisted ornate metal shapes. These round, square, or rectangular metal shapes can then be welded or riveted together to make ornate railings, supports, or framework for metal furniture. **Figure 8** shows the basic bends listed below.

- A Twisted Bar
- **B** Large Roll
- C Small Roll
- D 45° Angle Bend
- E 60° Angle Bend
- F Scroll

Covered in this **Operations** section are the basic functions that you can do with each tool.

#### **Bend Tool**

Depending on which side of the bending block is used, the bend tool can bend metal at precise angles ranging from 0-60° and 0-90°.

This tool can also roll metal, and make curves of various degrees, diameters, and shapes.

There are two positions for the guide rollers. To bend metal for smaller diameters and shapes, use the inner set of holes. To bend larger diameters and shapes, use the outer set of holes.

Riveting is another function that can be done to join two pieces of metal together using rivets.

#### Twist tool

Use this tool to make decorative types of twisted metal bars. Hold one end of the metal and turn the levers at the other end until the desired twist is achieved.

#### Scroll tool

Use this tool to make ornamental and useful type scrolls. The scroll tool comes with two dies to expand the capacity of the scroll effect.

### **AWARNING**



Always wear safety glasses when operating the Benchtop Metal Bending Set. Failure to comply may result in serious personal injury.

### NOTICE

NEVER use a cheater pipe or a prybar for additional leverage while bending metal with these tools. If you ignore this notice, you may break or bend the tool and void your warranty.

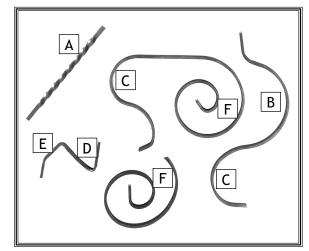


Figure 8. Basic metal bends and twist.



### **Bend Tool**

The bend tool produces many different sharp bends in metal depending on the position of the bending block.

The roll feature can produce many different shapes and sizes of arcs, or radii of metal.

Riveting is another function that this tool can perform.

All three functions are covered in this procedure.

#### To bend metal to a particular angle, do these steps:

1. Select the appropriate bending block position.

**Note:** The bending block (**Figure 9**) has two main positions. In one position the block can bend the metal at a minimum angle of 60° (**Figure 10**), and in the other position the block can bend metal at a minimum angle of 90° (**Figure 11**).

- 2. Place the workpiece between the bending block and the guide rollers (Figure 9).
- 3. With the desired angle of the bending block facing the guide rollers, move the square handle until the desired angle is reached. For more angle, move the square handle farther and for less angle do not move it as far.
- **4.** Once the desired angle is reached, back off of the bending block by moving the square handle the opposite direction. When there is enough clearance remove the workpiece.

**Tip:** Use the time-saving adjustment screw shown in **Figure 12**. This screw is a stop or a reference point that can be locked in place to ensure repeatability of a bend.

**5.** After bending the workpiece to the desired angle, turn the adjusting screw until it is tight against the slide block, then tighten the lock nut.

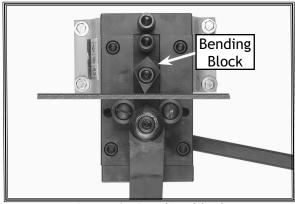


Figure 9. Bending block.

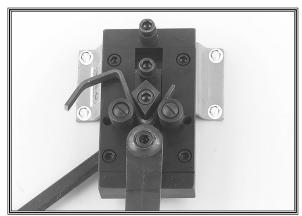
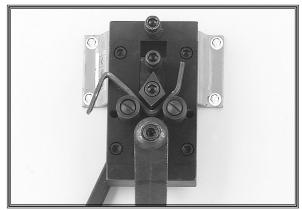
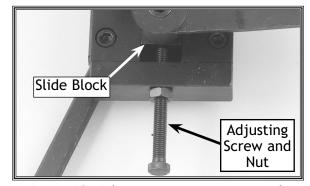


Figure 10. Bending block positioned for a 60° bend.



**Figure 11.** Bending block positioned for a 90° bend.



**Figure 12.** Adjustment screw against the slide block.



#### To roll metal into a particular radii, do these steps:

1. With the hand lever, move the slide block so the bend tool opens up and can accept the metal between the feed roller and the guide rollers (Figure 13).

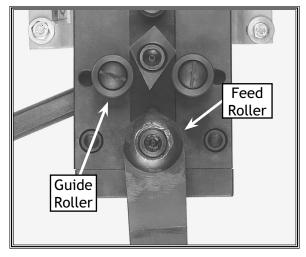
**Note:** If the adjustment screw is stopping the slide block from moving, back off the adjustment screw until the slide block opens all the way.

- **2.** Select and move the guide rollers to the appropriate set of holes.
  - To bend metal for smaller radii, use the inner set of holes (Figure 14).
  - To bend metal for larger radii, use the outer set of holes (Figure 15).
- **3.** Place the workpiece between the feed roller and the guide rollers.
- **4.** Using the hand lever, squeeze the workpiece between the feed roller and the guide rollers.
- 5. Rotate the crank to start to form the workpiece. The more you move the hand lever, the smaller the radius will become.
- **6.** Keep rotating the crank until the desired radius is achieved.

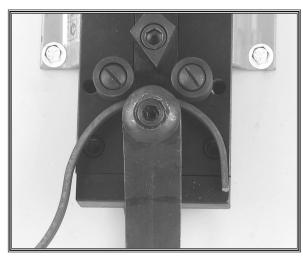
**Tip:** Use the time-saving adjustment screw shown in **Figure 12.** This screw is a stop or a reference point that can be locked in place to ensure repeatability of a bend.

#### To use the adjustment screw, do these steps:

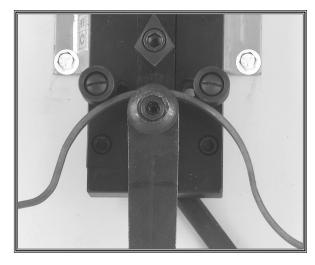
1. When the desired radii is achieved, do not release pressure on the hand lever until the adjustment screw is snug against the slide block (Figure 12).



**Figure 13.** Bend tool open and ready for the workpiece.



**Figure 14.** Guide rollers positioned in the inner location for smaller radii.



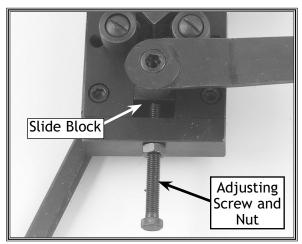
**Figure 15.** Guide rollers positioned in the outer location for larger radii.



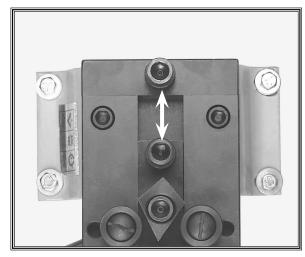
- 2. Tighten the adjustment nut until it is in contact with the rear block (Figure 12).
- 3. Move the hand lever to take pressure off of the adjustment screw, back the adjustment screw out, allowing the feed roller to move away from the guide rollers.
- 4. Insert another workpiece to be rolled.
- **5.** Tighten the adjustment screw until the adjustment nut contacts the back block to reference the workpiece.

#### To use the riveter, do these steps:

- 1. Mark the hole location.
- 2. Punch or drill the holes for the size rivet being used.
- 3. Move the hand lever to open the area between the press rollers (Figure 17).
- **4.** Place the two pieces of metal to be riveted together (with the punched or drilled holes aligned) into the space between the press rollers.
- **5.** With the holes aligned, place the rivet in the hole and center the rivet between the press rollers.
- **6.** Move the square handle to squeeze the rivet between the press rollers. The rivet must be squeezed to expand enough to lock the two pieces of metal together.
- **7.** When the rivet is set, release the pressure on the rivet, and spread the press rollers apart to remove the riveted workpiece.



**Figure 16.** Adjustment nut against the back block.



**Figure 17.** Riveter open and ready for the workpiece.

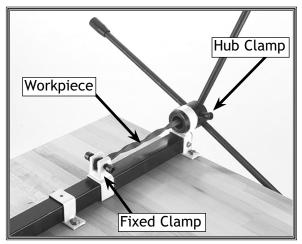


### **Twist Tool**

The twist tool allows you to produce twists or spirals in metal by holding one end and twisting the other.

#### To twist a metal bar or rod, do these steps:

- 1. Insert the workpiece through the hub clamp until the desired portion of the workpiece is shown, and tighten the cap screws down on the hub clamp to hold the workpiece (Figure 18).
- 2. Slide the fixed clamp bracket down the body of the twist tool until it is in the proper location to clamp the workpiece.
- **3.** Lock the workpiece down tightly with the cap screws located in the fixed clamp (**Figure 18**).
- **4.** Retighten the cap screws in the hub clamp to ensure that the workpiece is locked in place.
- **5.** Using the handle bars, rotate the hub clamp until the desired twist in the workpiece is acheived.
- **6.** Loosen the cap screws on the hub clamp and the fixed clamp to remove the workpiece.



**Figure 18.** Workpiece inserted through the hub.



### **Scroll Tool**

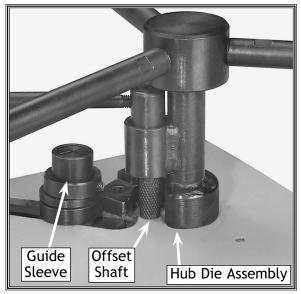
The scroll tool is designed to wrap the workpiece around the dies to make a spiral or a "scroll" shape.

#### To create a scroll shape, do these steps:

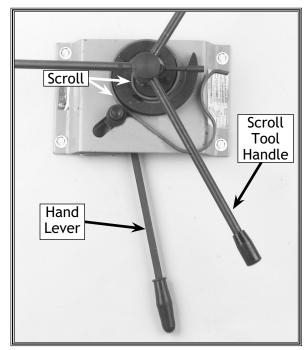
- 1. Choose the desired workpiece to scroll.
- 2. Slide the workpiece between the offset shaft and the hub die assembly (Figure 19).
- **3.** Rotate the hand lever to lock the workpiece (**Figure 20**).
- **4.** Push the scroll tool handles clockwise to turn the hub die assembly and start the scroll (**Figure 20**).
- 5. Use the hand lever to move the guide sleeve (Figure 19).

**Note:** You can manipulate the size of the scroll while rotating the hub die assembly if so desired. For larger scrolls, add the small and large dies in this order as needed to reach the desired size scroll.

**6.** Once the workpiece has the desired look, loosen the hand lever and remove the workpiece.



**Figure 19.** Workpiece placement for scroll the scroll operation.



**Figure 20.** A finished scroll wrapped around the dies.



### **MAINTENANCE**

### General

Regular periodic maintenance on your **SHOP FOX**® Model M1010 will ensure its optimum performance. Make a habit of inspecting your metal bending tools before you use them.

Check for the following conditions and repair or replace when necessary:

- Loose mounting bolts.
- Worn or cracked pins, levers, handles, and fasteners.
- Any other condition that could hamper the safe operation of this machine.

### Lubrication

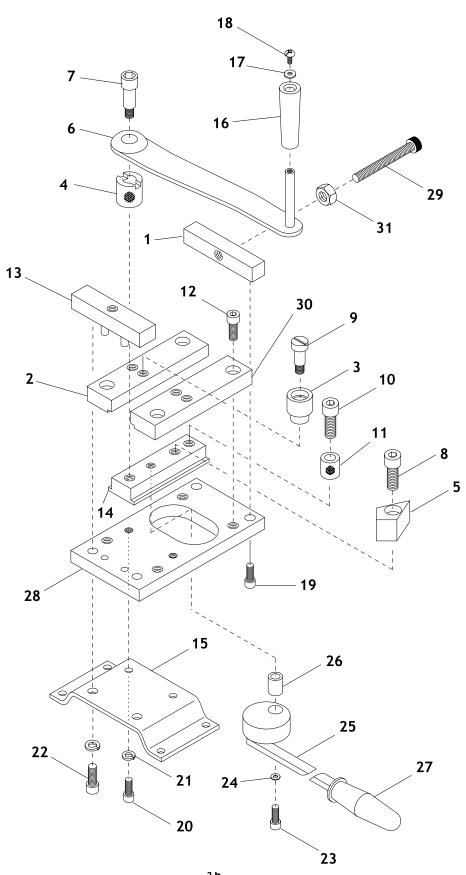
Periodically put a drop of light machine oil at all pivot points to ensure unbinding operation.

Flat metal surfaces can be kept rust-free with regular applications of a product like SLIPIT®.

For long term storage you may want to consider a product like Boeshield T-9™.

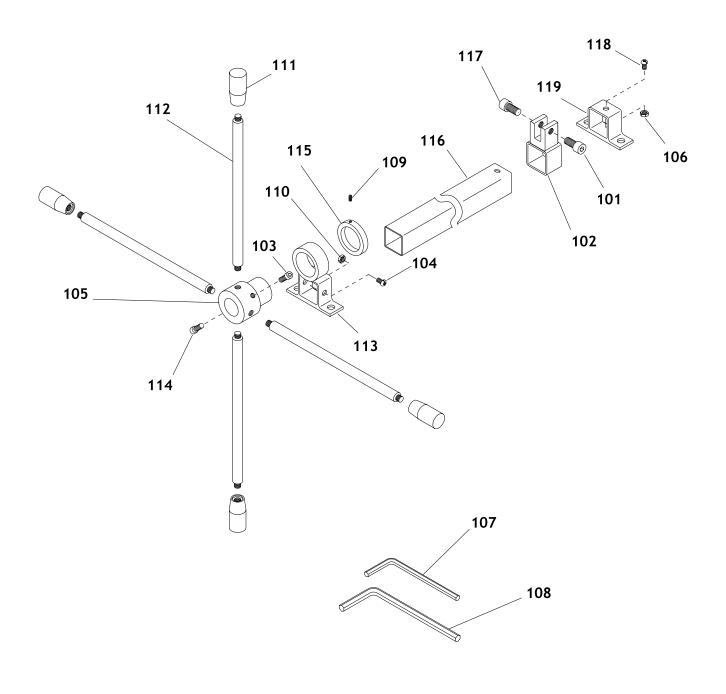


### **Bend Tool**



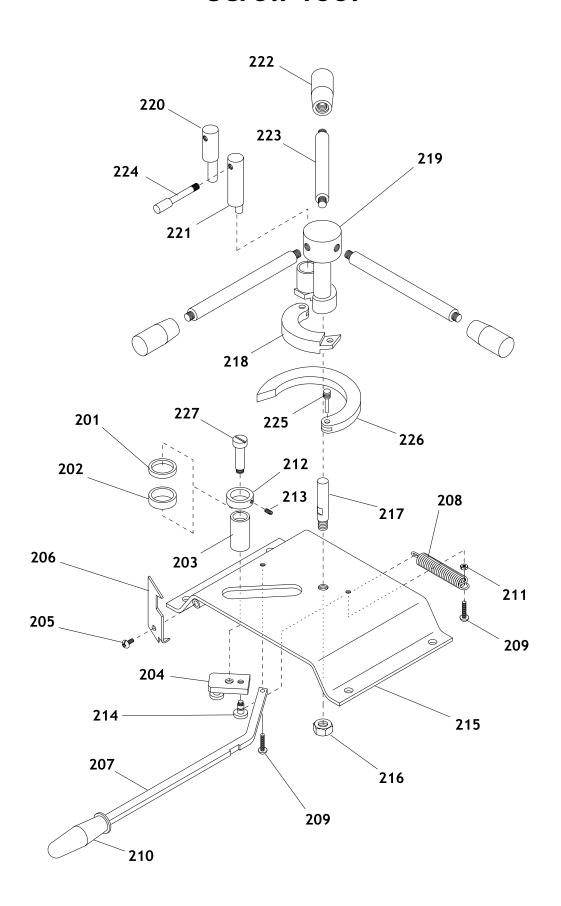


### **Twist Tool**





### **Scroll Tool**





### **Parts List**

REF	PART #	DESCRIPTION
1	XM1010001	REAR BLOCK
2	XM1010002	LEFT BLOCK
3	XM1010003	GUIDE ROLLER
4	XM1010004	FEED ROLLER
5	XM1010005	BENDING BLOCK
6	XM1010006	HAND LEVER
7	XM1010007	SPECIAL BOLT M15 X 50
8	XPSB77M	CAP SCREW M12-1.75 X 30
9	XM1010009	SPECIAL BOLT M15 X 35
10	XPSB59M	CAP SCREW M10-1.5 X 40
11	XM1010011	PRESS WHEEL
12	XPSB88M	CAP SCREW M10-1.5 X 25
13	XM1010013	FRONT BLOCK
14	XM1010014	SLIDE BLOCK
15	XM1010015	MOUNTING BRACKET
16	XM1010016	CRANK HANDLE
17	XPW03M	FLAT WASHER 6MM
18	XPS37M	PHLP HD SCREW M6-1 X 6
19	XPSB100M	CAP SCREW M8-1.25 X 15
20	XPSB14M	CAP SCREW M8-1.25 X 20
21	XPLW04M	LOCK WASHER 8MM
22	XPSB84M	CAP SCREW M10-1.5 X 35
23	XPSB59M	CAP SCREW M10-1.5 X 40
24	XPW04M	FLAT WASHER 10MM
25	XM1010025	HANDLE
26	XM1010026	BUSHING
27	XM1010027	HANDLE GRIP
28	XM1010028	BASE
29	XM1010029	ADJUSTMENT SCREW
30	XM1010030	RIGHT BLOCK
31	XPN02M	HEX NUT M10-1.5
101	XPSB36M	CAP SCREW M12-1.75 X 25
102	XM1010102	CLAMP BRACKET
103	XPSB92M	CAP SCREW M12-1.75 X 40
104	XPS30M	PHLP HD SCR M8-1.25 X 15
105	XM1010105	HUB
106	XPN01M	HEX NUT M6-1
107	XPAW08M	HEX WRENCH 8MM
108	XPAW10M	HEX WRENCH 10MM

REF	PART #	DESCRIPTION
109	XPSS01M	SET SCREW M6-1 X 10
110	XPN03M	HEX NUT M8-1.25
111	XM1010111	HANDLE GRIP
112	XM1010112	HANDLE BAR
113	XM1010113	MOUNTING BRACKET
114	XPSB92M	CAP SCREW M12-1.75 X 40
115	XM1010115	SET COLLAR
116	XM1010116	BODY
117	XPSB36M	CAP SCREW M12-1.75 X 25
118	XPS14M	PHLP HD SCR M6-1 X 12
119	XM1010119	MOUNTING BRACKET
201	XM1010201	SPACER (SMALL)
202	XM1010202	SPACER (LARGE)
203	XM1010203	GUIDE SLEEVE
204	XM1010204	GUIDE PLATE
205	XPS14M	PHLP HD SCR M6-1 X 12
206	XM1010206	HOOK
207	XM1010207	HANDLE BAR
208	XM1010208	SPRING
209	XPS26M	PHLP HD SCR M6-1 X 20
210	XM1010210	SQUARE HANDLE GRIP
211	XPN01M	HEX NUT M6-1
212	XM1010212	SET COLLAR
213	XPSS03M	SET SCREW M6-1 X 8
214	XM1010214	SPRING GUIDE BOLT
215	XM1010215	MOUNTING BRACKET
216	XPN09M	HEX NUT M12-1.75
217	XM1010217	ARBOR
218	XM1010218	SMALL DIE
219	XM1010219	HUB DIE ASSEMBLY
220	XM1010220	OFFSET SHAFT (LONG)
221	XM1010221	OFFSET SHAFT (SHORT)
222	XM1010222	GRIP
223	XM1010223	HANDLE BAR
224	XM1010224	CLAMP HANDLE
225	XM1010225	DIE PIN
226	XM1010226	LARGE DIE
227	XM1010227	SPECIAL BOLT M15 X 45



### **Notes**



### **WARRANTY**

Woodstock International, Inc. warrants all  $SHOP\ FOX^{\circ}$  machinery to be free of defects from workmanship and materials for a period of 2 years from the date of original purchase by the original owner. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, lack of maintenance, or to repairs or alterations made or specifically authorized by anyone other than Woodstock International, Inc.

Woodstock International, Inc. will repair or replace, at its expense and at its option, the  $SHOP\ FOX^{\otimes}$  machine or machine part which in normal use has proven to be defective, provided that the original owner returns the product prepaid to the  $SHOP\ FOX^{\otimes}$  factory service center or authorized repair facility designated by our Bellingham, WA office, with proof of their purchase of the product within 2 years, and provides Woodstock International, Inc. reasonable opportunity to verify the alleged defect through inspection. If it is determined there is no defect, or that the defect resulted from causes not within the scope of Woodstock International Inc.'s warranty, then the original owner must bear the cost of storing and returning the product.

This is Woodstock International, Inc.'s sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant that SHOP FOX® machinery complies with the provisions of any law or acts. In no event shall Woodstock International, Inc.'s liability under this warranty exceed the purchase price paid for the product, and any legal actions brought against Woodstock International, Inc. Shall be tried in the State of Washington, County of Whatcom. We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special or consequential damages arising from the use of our products.

Every effort has been made to ensure that all  $SHOP\ FOX^{\circ}$  machinery meets high quality and durability standards. We reserve the right to change specifications at any time because of our commitment to continuously improve the quality of our products.

### **WARRANTY REGISTRATION**

CILV				State	Zip
Dhon	e Number	F-Mail		FAX	
MUD	EL # SERIAL #_	DEALER NAME		PURCH	ASE DATE//
	The t	following information is given on a	voluntar	y basis and is strictly confidential.	
1.	How did you first learn about us?		9.	What stationary woodworking tools	do you own? Check all that ap
	Advertisement	Friend		Air Compressor	Panel Saw
	Mail order Catalog	Local Store		Band Saw	Planer
	World Wide Web Site			Drill Press	Power Feeder
				Drum Sander	Radial Arm Saw
	Other			Dust Collector	Shaper
	otner			Horizontal Boring Machine	Spindle Sander
•				Jointer	Table Saw
2.	Which of the following magazines do	you subscribe to.		Lathe	Vacuum Veneer Press
				Mortiser	Wide Belt Sander
	Cabinetmaker	WOOD		<del></del>	
	Family Handyman	Wooden Boat		Other	
	Fine Homebuilding	Woodshop News			
	Woodsmith	Today's Homeowner	10.	Which benchtop tools do you own?	Check all that apply.
	Home Handyman	Woodwork			
	Journal of Light Construction	Woodworker		1" x 42" Belt Sander	6" - 8" Grinder
	Old House Journal	Woodworker's Journal		5" - 8" Drill Press	Mini Lathe
	Popular Mechanics	Workbench		8" Table Saw	10" - 12" Thickness Pla
	·			Benchtop Metal Bending Set	Scroll Saw
	Popular Science	American How-To		Disc/Belt Sander	Spindle/Belt Sander
	Popular Woodworking			Mini Jointer	·
	Other			Other	
2	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/d-line above do			
3.	Which of the following woodworking	remodeting snows do you watch?	11.	Which portable/hand held power apply.	tools do you own? Check a
	Backyard America	The New Yankee Workshop		Belt Sander	Orbital Sander
	Home Time	This Old House		Biscuit Joiner	Palm Sander
	The American Woodworker	This Old House Woodwright's Shop		Biscuit Joiner	
				Biscuit Joiner Circular Saw	Portable Planer
	The American Woodworker			Biscuit Joiner Circular Saw Detail Sander	Portable Planer Saber Saw
4.	The American Woodworker	Woodwright's Shop		Biscuit Joiner Circular Saw Detail Sander Drill/Driver	Portable Planer Saber Saw Reciprocating Saw
4.	The American Woodworker Other	Woodwright's Shop		Biscuit JoinerCircular SawDetail SanderDrill/DriverMiter Saw	Portable Planer Saber Saw
4.	The American Woodworker Other What is your annual household incor	Woodwright's Shop		Biscuit Joiner Circular Saw Detail Sander Drill/Driver	Portable Planer Saber Saw Reciprocating Saw
4.	The American Woodworker Other	Woodwright's Shop ne?\$60,000-\$69,999	12	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other	Portable PlanerSaber SawReciprocating SawRouter
4.	The American Woodworker Other	Woodwright's Shop  ne?\$60,000-\$69,999\$70,000-\$79,999	12.	Biscuit JoinerCircular SawDetail SanderDrill/DriverMiter Saw	Portable PlanerSaber SawReciprocating SawRouter
4.	The American Woodworker Other	Woodwright's Shop  ne? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999	12.	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other	Portable PlanerSaber SawReciprocating SawRouter
4.	The American Woodworker Other	Woodwright's Shop  ne?\$60,000-\$69,999\$70,000-\$79,999	12.	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other	Portable Planer Saber Saw Reciprocating Saw Router
	The American Woodworker Other	Woodwright's Shop  ne? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999	12.	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other	Portable Planer Saber Saw Reciprocating Saw Router
<ol> <li>4.</li> <li>5.</li> </ol>	The American Woodworker Other	Woodwright's Shop  ne? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999	12.	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other	Portable PlanerSaber SawReciprocating SawRouter  like to see?
	The American Woodworker Other	Woodwright's Shop  ne? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999 \$90,000 +		Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other What machines/supplies would you	Portable PlanerSaber SawReciprocating SawRouter  like to see?
	The American Woodworker Other	Woodwright's Shop  ne? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999 \$90,000 +		Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other What machines/supplies would you	Portable PlanerSaber SawReciprocating SawRouter  like to see?
5.	The American WoodworkerOther What is your annual household incor\$20,000-\$29,999\$30,000-\$39,999\$40,000-\$49,999\$50,000-\$59,999  What is your age group?20-2930-39	Woodwright's Shop  me? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999 \$90,000 + 50-59 60-6970 +		Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other What machines/supplies would you	Portable PlanerSaber SawReciprocating SawRouter  like to see?
	The American Woodworker Other What is your annual household incor \$20,000-\$29,999 \$30,000-\$39,999 \$40,000-\$49,999 \$50,000-\$59,999 What is your age group?  20-29 30-39 40-49 How long have you been a woodwor  0 - 2 Years	Woodwright's Shop  me? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999 \$90,000 + 50-59 60-69 70 +  ker? 8 - 20 Years	13.	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other What machines/supplies would you  What new accessories would you lil	Portable PlanerSaber SawReciprocating SawRouter  like to see?
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<ol> <li>6.</li> </ol>	The American Woodworker Other What is your annual household incor \$20,000-\$29,999 \$30,000-\$39,999 \$40,000-\$49,999 \$50,000-\$59,999 What is your age group?  20-29 30-39 40-49 How long have you been a woodwor  0 - 2 Years 2 - 8 Years	Woodwright's Shop  me? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999 \$90,000 + 50-59 60-69 70 +  ker? 8 - 20 Years 20+ Years	13.	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other What machines/supplies would you  What new accessories would you lil	Portable PlanerSaber SawReciprocating SawRouter  like to see?  ke Woodstock International to ents good value?No
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<ol> <li>6.</li> </ol>	The American WoodworkerOther What is your annual household incor\$20,000-\$29,999\$30,000-\$39,999\$40,000-\$49,999\$50,000-\$59,999 What is your age group?20-2930-3940-49 How long have you been a woodwork0 - 2 Years2 - 8 Years How would you rank your woodwork	Woodwright's Shop  me? \$60,000-\$69,999 \$70,000-\$79,999 \$80,000-\$89,999 \$90,000 + 50-59 60-69 70 +  ker? 8 - 20 Years 20+ Years  ing skills?	13.	Biscuit Joiner Circular Saw Detail Sander Drill/Driver Miter Saw Other What machines/supplies would you  What new accessories would you lil  Do you think your purchase represe	Portable PlanerSaber SawReciprocating SawRouter  like to see?  ke Woodstock International to ents good value?No
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