



Rivet Spinner and Chain Breaker

OWNER'S MANUAL



WARNING:

Carefully read and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

MODEL# CS-CBRSC

Rivet Spinner and Chain Breaker

Thank you very much for choosing a Timber Tuff product. For future reference, please complete the owner's record below:

Model: _____ Purchase Date: _____

Save the receipt, the warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This product is designed for certain applications only. The manufacturer and/or distributor cannot be responsible for issues arising from modification. We strongly recommend that this product not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use the product until you have first contacted the distributor to determine if it can, or should, be performed on the product.

For technical questions, please call **1-218-943-6290**.

GENERAL SAFETY RULES

 **WARNING: Read and understand all instructions.** Failure to follow all instructions listed below may result in serious injury.

 **CAUTION: Do not allow persons to operate or assemble this rivet spinner and chain breaker until they have read this manual and have developed a thorough understanding of how this rivet spinner and chain breaker works.**

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

SAVE THESE INSTRUCTIONS

WORK AREA

- **Keep work area clean**, free of clutter, and well-lit. Cluttered and dark work areas can cause accidents.
- **Keep children and bystanders** away while using this tool. Distractions can cause you to lose control, so visitors should remain at a safe distance from the work area.
- **Be alert of your surroundings.** Using this rivet spinner and chain breaker in confined work areas may put you in a dangerous situation.

PERSONAL SAFETY

- **Stay alert**, watch what you are doing, and use common sense when using this equipment. Do not use the rivet spinner and chain breaker while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the log skatema may result in serious personal injury.
- **Dress properly.** Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing, and gloves away from moving parts.

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RIVET SPINNER AND CHAIN BREAKER USE AND CARE

- **DO NOT** force the rivet spinner and chain breaker. Use this tool only for its intended purpose.
- **DO NOT** modify the rivet spinner and chain breaker in any way. Modification may impair the function and/or could affect the life and safety of the equipment.
- **DO NOT** operate this tool with damaged parts. Check for damaged parts before each use. Replace damaged or worn parts immediately. Never operate the product with a damaged part.
- **STORE** the rivet spinner and chain breaker when not in use. Store it in a dry, secure place out of the reach of children. Inspect the rivet spinner and chain breaker to ensure it is in good working condition prior to storage and before each use.
- **DO NOT** operate the rivet spinner and chain breaker without the guards in place. Be sure the guards are in place and in working order.

CAUTION:

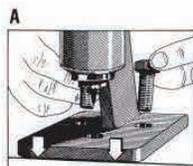
To prevent serious injury or death, read and understand owner's manual before use.

- Wear ANSI safety compliant goggles.
- Keep hands clear of rivet spinner and chain breaker during use.
- Inspect tool for damaged parts before each use.
- DO NOT use by, or around, children.

ASSEMBLY INSTRUCTIONS

Bench Mounting

The rivet spinner and chain breaker is equipped with two holes for mounting to a bench. Lag screws or bolts (not included) may be used to hold the unit into position (figure A).



Mount with rivet spinner and chain breaker flush with the side or front of the bench area. Mounting the rivet spinner and chain breaker flush to the bench allows chains to clear for spinning.

SPINNER ANVIL/TAKE-UP HANDLE CHART

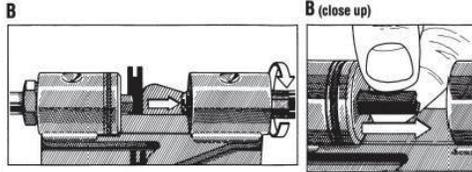
Spinner Anvil/Take-up Handle Chart				
Take-Up Handle Marking	"B"	"A"	"B"	"A"
Spinner Anvil Marking	"B"	"A"	"B"	"A"
Chain Pitch	1/4	3/8	0.325	0.404
Drive Link Number	25	72	20	16
		73	21	18
		75	22	26
		76	33	27
		77	34	28
		78	35	50
		91		51
				52
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Replacing the Spinner/Anvil

To remove a worn or damaged spinner/anvil, unscrew the take-up handle(#13) until the spinner anvil(#2) can be easily removed (figure B). Replace it with a new or repaired anvil (#2) and take-up handle(#13).

Note: The unit is supplied with two spinner anvils marked "A" "B" and two take-up handles to match the spinner anvils.

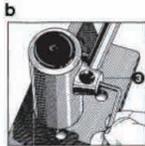


OPERATING INSTRUCTIONS

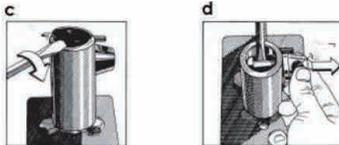
Right or Left Hand Use

The rivet spinner and chain breaker is assembled for right-hand use. If left-hand use is preferred, follow the instructions below:

- Unscrew the set screw (#18) and remove the breaker level (#3) (figure b).



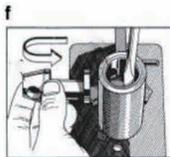
- Remove the plastic cap with a screwdriver and depress the spring-loaded punch holder (#21) to free up the cam (#15) (figures c-d).



- Slide the cam (#15) out by the right side of the unit (figure e).

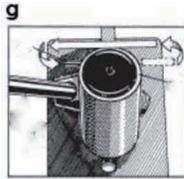


- Reinsert the cam (#15) into the opposite side of the unit. Depress the punch holder (#21) and insert the cam (#15) (figure f).



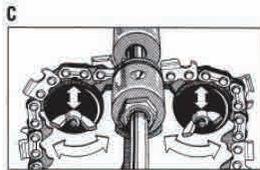
- Replace the plastic cap and reinsert the breaker level (#3). Tighten the set screw with an Allen wrench (#20).
- Remove the stop pin (#14) from the right side of the unit and reinsert it into the left side (figure g).

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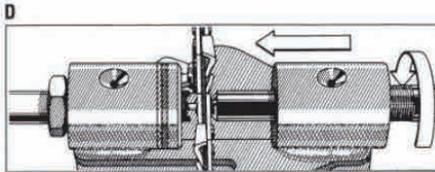


Rivet Spinning

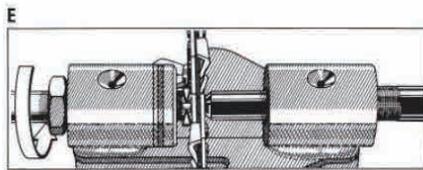
- Lay the chain across the guide wheel (#4) (figure C).
- Rotate the guide wheel (#4) so that the rivet head is centered between the take-up handle (#13) pocket and the spinner anvil (#2) (figure C).



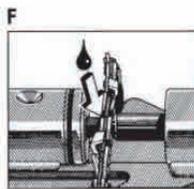
- Turn the take-up handle (#13) until the chain is secured against the spinner anvil (#2) (figure D).



- Turn the spinner handle (#7) a few times to center the rivet hub in the spinner anvil (#2) (figure E).

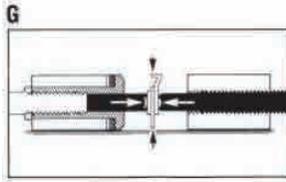


- Apply a few drops of oil to the rivet hub (figure F).



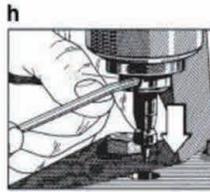
- Turn the spinner handle (#7) and at the same time, slowly turn the take-up handle (#13) inward (approximately one full revolution) until the rivet head is formed. The take-up handle (#13) will provide pressure while the spinner anvil (#2) forms a rivet head (figure G).

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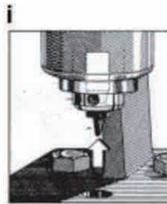


Replacing the Punch

- To remove a worn or damaged punch (#19), loosen the set screw (#18) with an Allen wrench (#20) (figure h).



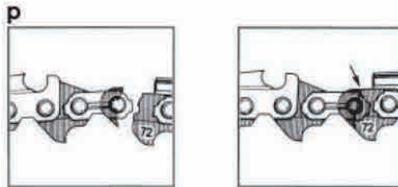
- Insert a new punch into the punch holder (#21). (Push the punch up with the unit fully seated.) Tighten the set screw (#18) (figure i).



Replacing a Broken Drive Link

The point of breakage usually occurs at or near the rivet hole.

- First, remove the cutter or the strap and half of the broken drive link. Connect the two broken sections back to the original position prior to the breakage (figure p).

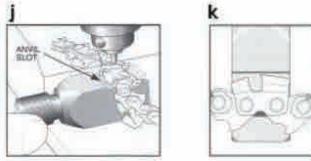


- Center the breaker punch (#19) over the rivet head and pull the handle down just enough to push the rivet out. Repeat with the other rivet. Do not use excessive force.

Chain Breaking

- Insert the chain portion to be broken into the slot of the adjustable anvil (figure j). Tighten the adjustment knob unit until the chain is securely positioned. Position the cutter as shown (figure k).

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Note: It is not necessary to re-adjust the anvil when breaking multiple loops of chain of the same chain type.

- Position the rivet head directly under the punch (#19) and pull the breaker level (#3) down just far enough to push the rivet out. Do not use excessive force (figure l).



Note:

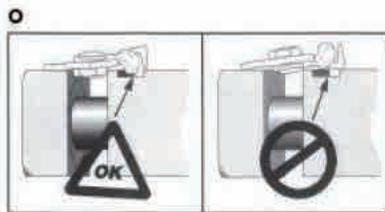
- A. When breaking a chain at the cutter, make sure the cutter is in the correct position (figure m).



- B. For cutters with depth gauges, as in figure n, make sure to position the cutter properly.



- C. Shown in figure o, using the side of the adjustable anvil with the slot.



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AFTER EACH USE

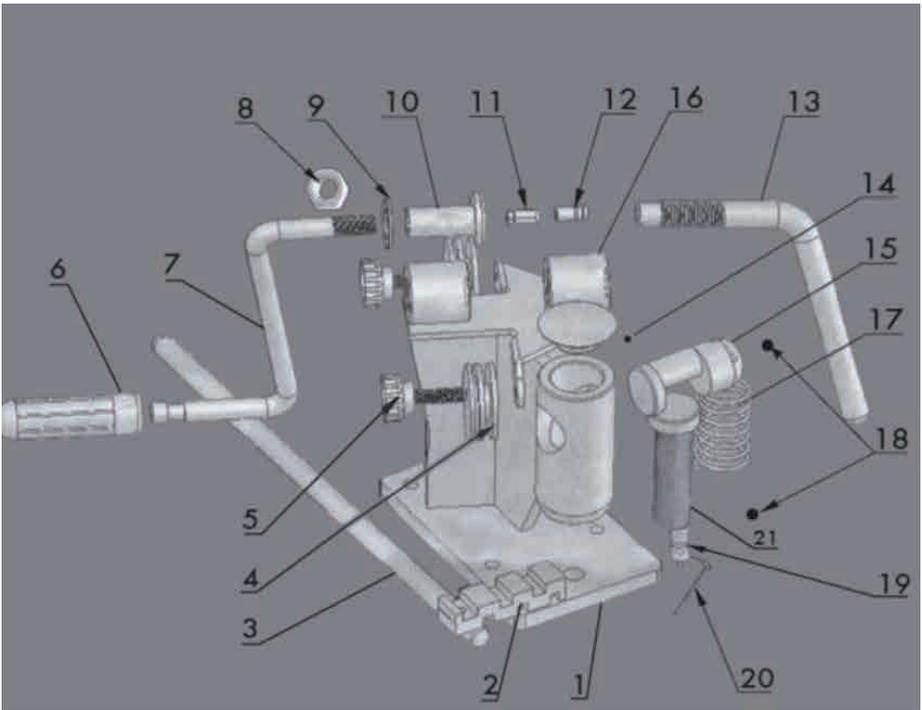
 **WARNING:** Store the rivet spinner and chain breaker away from children.

MAINTENANCE

It is recommended that the general condition of any tool be examined before it is used. Keep your rivet spinner and chain breaker in good repair by adopting a program of conscientious repair and maintenance. Have necessary repairs made by qualified service personnel.

This rivet spinner and chain breaker is equipped with oiling chambers and should be maintained periodically with lightweight oil (figure h).

PARTS DIAGRAM



Rivet Spinner and Chain Breaker

PARTS LIST:

Part#	Description	Qty.	Part#	Description	Qty.
1	Base	1	12	Thrust Die	2
2	Anvil	1	13	Take-up Handle	1
3	Breaker Lever Guide	1	14	Spring Pin	1
4	Wheel Wheel	2	15	Breaker Cam	1
5	Locking Screw	2	16	Cam Holder Cover	1
6	Spinner Grip Spinner	1	17	Spring	1
7	Handle Hex Nut M5	1	18	Hex Screw M5	2
8	Flat Bearing Spinner	1	19	Breaker Punch	1
9	Sleeve Spinner Die	1	20	Hex Wrench M2.5	1
10		1	21	Punch Holder	1
11		2			

For replacement parts and technical questions, please call 1-218-943-6290.

WARRANTY

One-year limited parts warranty



**BAC Industries
PO BOX 155
Miltona, MN 56354**

Made in CHINA
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