



Chainsaw Chain Breaker/Spinner/Joiner




User Manual

[Revision 1.0 June 2018]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:

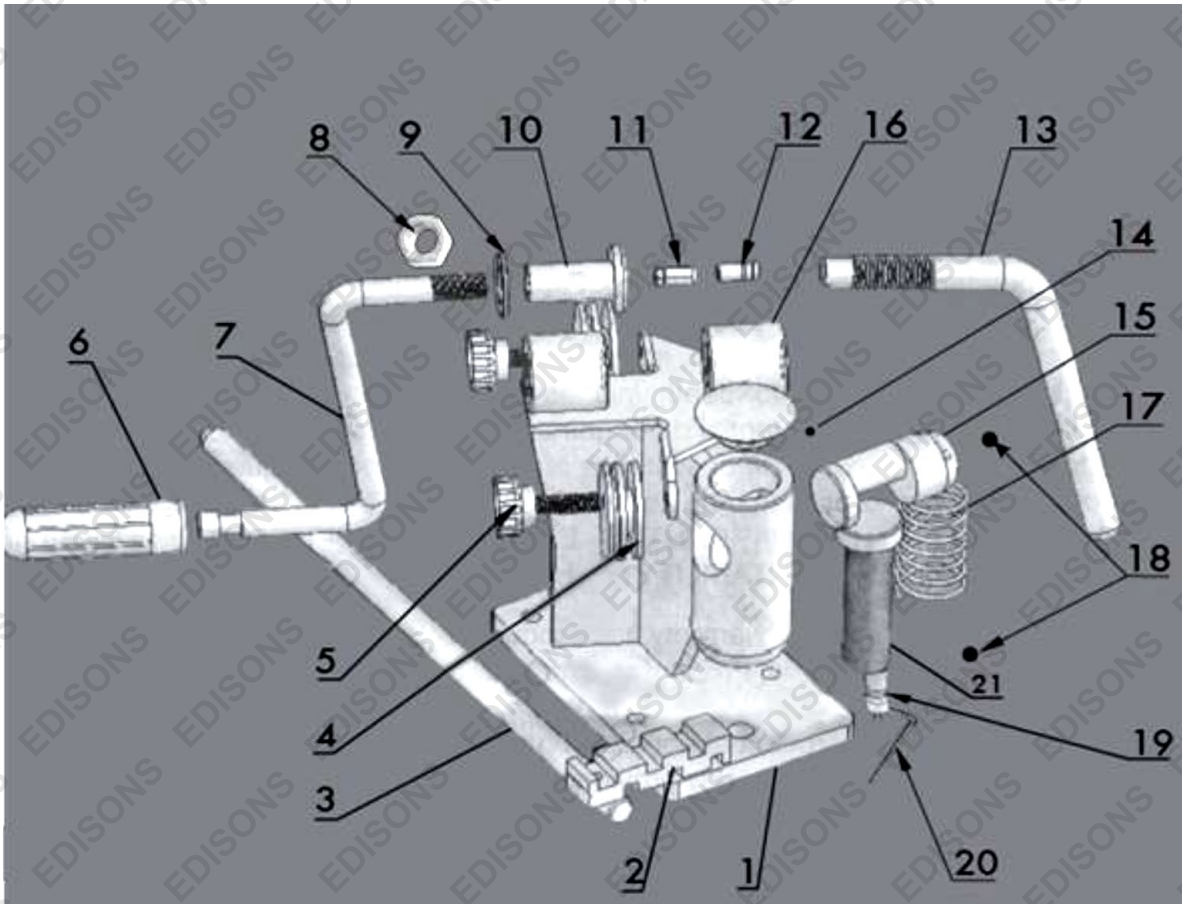
 You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.	 You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.	 You CAN be INJURED if you do not follow instructions or equipment damage may occur.
<p>It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.</p> <p>Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.</p> <p>Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.</p> <ul style="list-style-type: none"> • Before Use - If you are not familiar with the safe operation/handling of the equipment, or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety. • Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances. • Keep clear of moving parts. • Equipment may be a potential source of electric shock or injury if misused. • Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state. • Do NOT allow others to use the equipment unless they have read this manual and are adequately trained. • Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property. <p>General Work Area Safety</p> <ul style="list-style-type: none"> • Work areas should be clean and well lit. • Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area. • If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards. 	<p>General Personal Safety</p> <ul style="list-style-type: none"> • Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment. • Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance. • Do not use the equipment if tired or under the influence of drugs, alcohol or medication. • This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities. <p>General Fuel Safety</p> <ul style="list-style-type: none"> • Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources. • Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing. • Do NOT smoke near fuel or when refuelling. • Always shut off the engine before refuelling. • Do NOT refuel a hot engine. • Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly. • Always refuel in well ventilated areas. • Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed. <p>General Carbon-Monoxide Safety</p> <ul style="list-style-type: none"> • Using a combustion engine indoors CAN KILL IN MINUTES. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see. • Use combustion engines OUTSIDE only, and far away from windows, doors and vents. 	<p>General Equipment Use and Care</p> <ul style="list-style-type: none"> • The equipment is designed for domestic use only. • Handle the equipment safely and carefully. • Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use. • Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on. • Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters. • Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations. • Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated. • Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc. • The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid. • Do not clean equipment with solvents, flammable liquids or harsh abrasives. • For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety	General Electrical Safety	General Service Information
<ul style="list-style-type: none"> • Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately. • Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment. • When wiring electrically powered equipment, follow all electrical and safety codes. • Wherever possible, use a residual current device (RCD). • High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal. 	<ul style="list-style-type: none"> • Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet. • Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord. • Do NOT use equipment that has exposed wiring, damaged switches, covers or guards. • Do NOT use electrical equipment in wet conditions or in damp locations. • Do NOT use electrical cords to lift, move or carry equipment. • Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards. 	<ul style="list-style-type: none"> • The equipment must be serviced or repaired at authorised service centres by qualified personnel only. • Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained. • Do NOT attempt any maintenance or repair work not described in this manual. • After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before making adjustments, changing accessories or performing repair or maintenance. • Do NOT make adjustments while the equipment is running. • Perform service related activities in suitable conditions, such as a workshop. • Replace worn, damaged or missing warning/safety labels immediately.

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Parts Identification



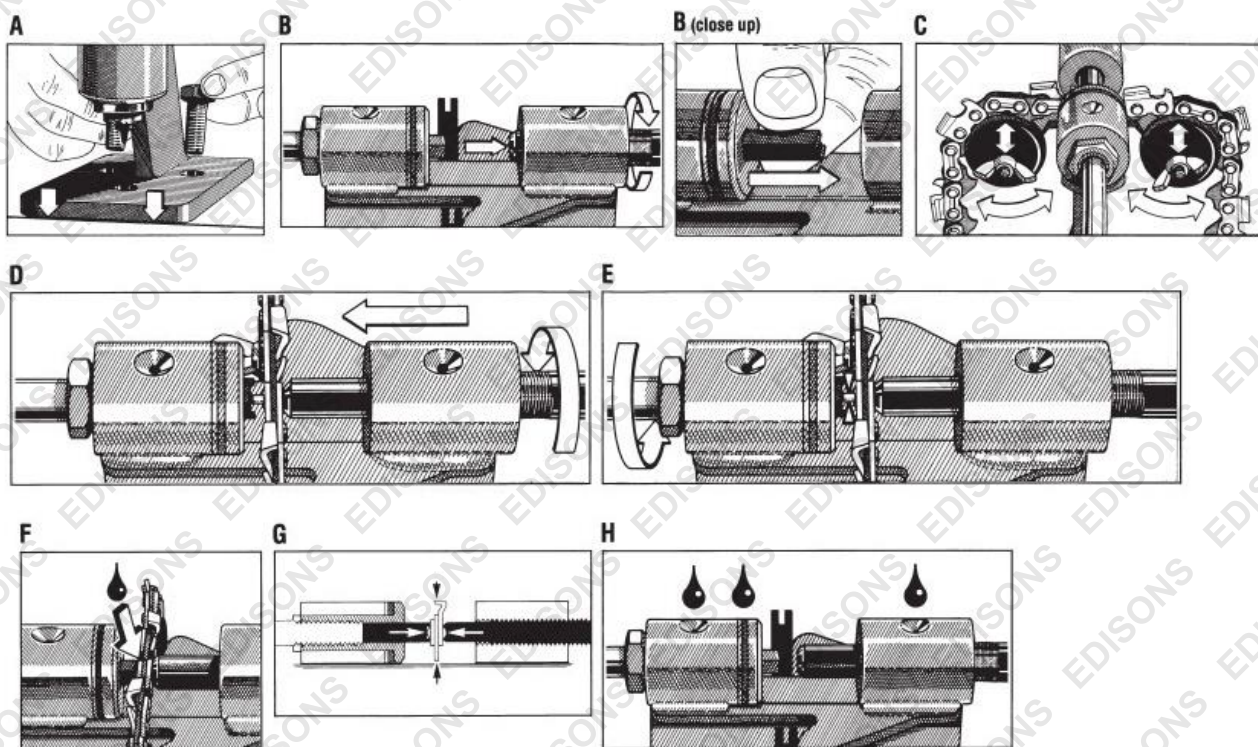
Part#	Description	Qty.	Part#	Description	Qty.
1	Base	1	11	Spinner Die	2
2	Anvil	1	12	Thrust Die	2
3	Breaker Lever	1	13	Thrust Handle	1
4	Guide Wheel	2	14	Spring Pin	1
5	Wheel Locking Screw	2	15	Breaker Cam	1
6	Spinner Grip	1	16	Cam Holder Cover	1
7	Spinner Handle	1	17	Spring	1
8	Hex Nut	1	18	Hex Screw m5	2
9	Flat Bearing	1	19	Breaker Punch	1
10	Spinner Sleeve	1	20	Hex Wrench m2.5	1
			21	Tool Holder	1

Assembly

Bench Mounting

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

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



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	.325	.404
Drive Link Number	25	72 73 75 76 77 78 91	20 21 22 33 34 35	16 18 26 27 28 50 51 52 57 58 59

Replacing the Spinner/Anvil

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



The unit is supplied with two spinner anvils marked "A" "B" and two take-up handles to match the spinner anvils. Before each use, always check for damaged or worn parts.

Operation

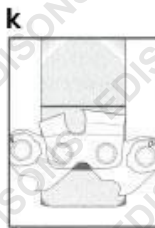
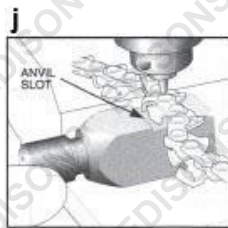
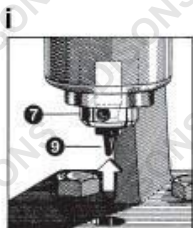
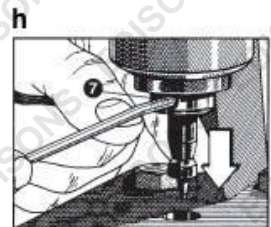
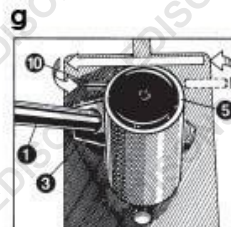
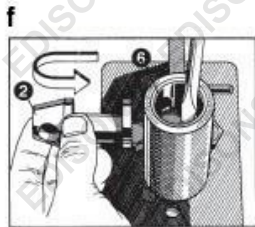
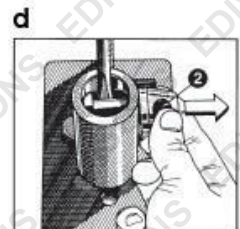
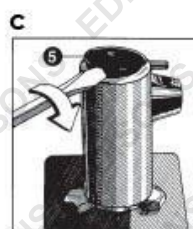
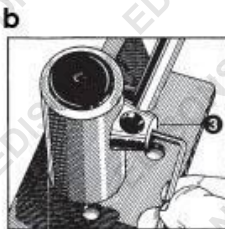
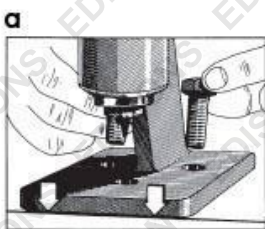
Right or Left Hand Use

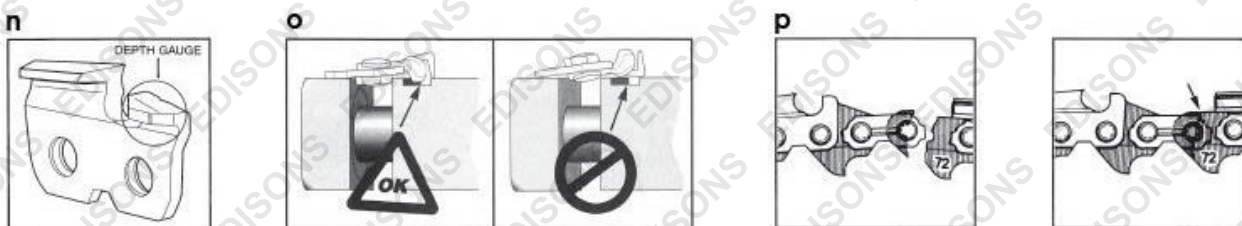
The rivet spinner and chain breaker arrive assembled for right-hand use. If left-hand use is preferred, follow the instructions below:

1. Unscrew the set screw and remove the handle (b).
2. Remove the plastic cap with a screwdriver and depress the spring-loaded punch holder to free up the cam (c-d).
3. Slide the cam out by the right side of the unit (e).
4. Reinsert the cam into the opposite side of the unit. Depress the punch holder and insert the cam (f).
5. Replace the plastic cap and reinsert the handle. Tighten the set screw with an Allen wrench.
6. Remove the stop pin from the right side of the unit and reinsert it into the left side (g).

Rivet Spinning

1. Lay the chain across plastic chain supports (c).
2. Rotate the chain supports so that the rivet head is centred between the take-up handle pocket and the spinner anvil (c).
3. Turn the take-up handle until the chain is secured against the spinner anvil (d).
4. Turn the spinner crank a few times to centre the rivet hub in the spinner anvil (e).
5. Apply a few drops of oil to the rivet hub (f).
6. Turn the spinner crank and at the same time, slowly turn the take-up handle inward (approximately one full revolution) until the rivet head is formed. The take-up handle will provide pressure while the spinner anvil will form a rivet head (g).





Replacing the Punch

1. To remove a worn or damaged punch, loosen the set screw with an Allen wrench (h).
2. Insert a new punch into the punch holder. (Push the punch up with the unit fully seated.) Tighten the set screw (i).

Replacing a Broken Drive Link

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

1. 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 (p).
2. Centre the breaker punch 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

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

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

2. Position the rivet head directly under the punch and pull the handle down just far enough to push the rivet out. Do not use excessive force (i).

NOTE:

- A. When breaking a chain at the cutter, make sure the cutter is in the correct position (illustration m, previous page).
- B. For cutters with depth gauges, as in illustration n, make sure to position the cutter properly, shown in illustration o, using the side of the adjustable anvil with the slot.



Keep 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.

Specifications

Compatible Chains	1/4", 0.325", 3/8", 0.404", 7/16" and 1/2" -Pitch Chain
Bearing Type	Full Linear Thrust
3-in-1 Functions	Chain Breaker, Chain Spinner, Chain Joiner



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.



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