STILLONÉ®

Abrasive Drop saw

User Manual

[Revision 2.0 October 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.

Table of Contents

General Safety Rules

WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury. • **SAVE THESE INSTRUCTIONS.**

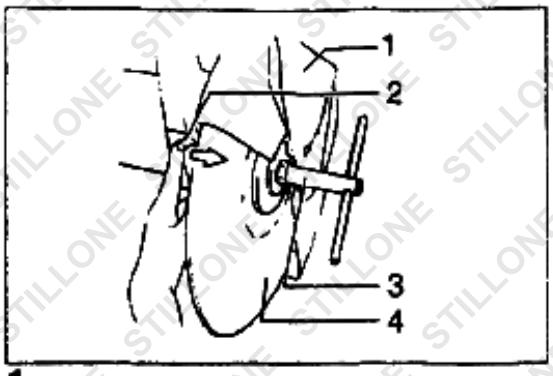
Work Area

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.**
- **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

Electrical Safety

- **Power tool plugs must match the outlet**. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

A General View of Parts



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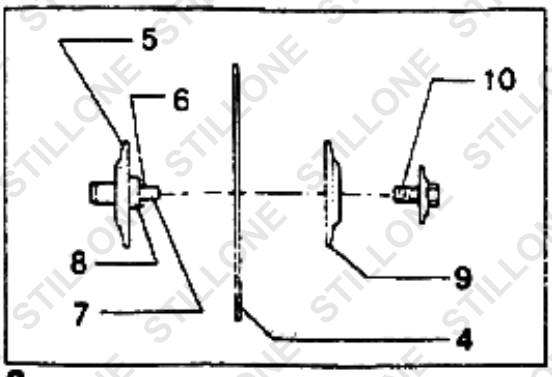

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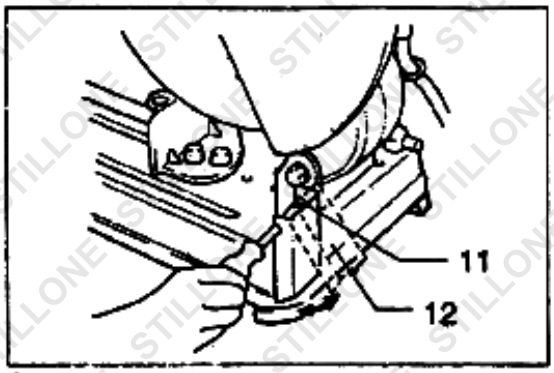

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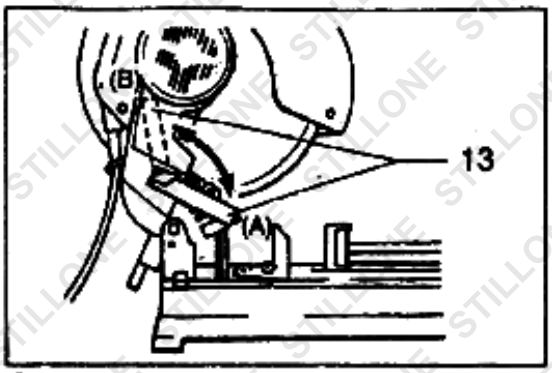

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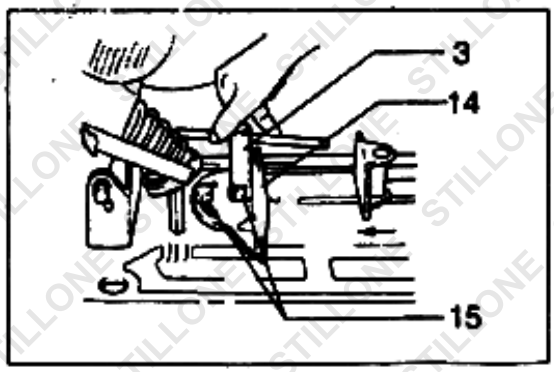

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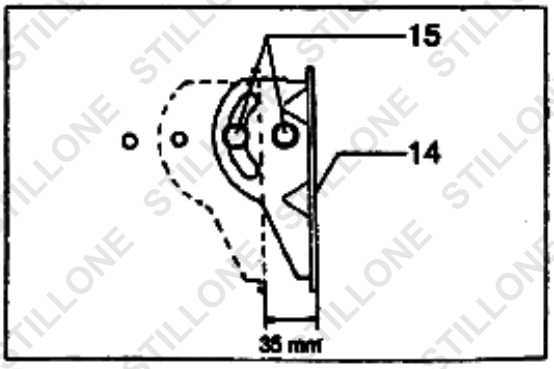

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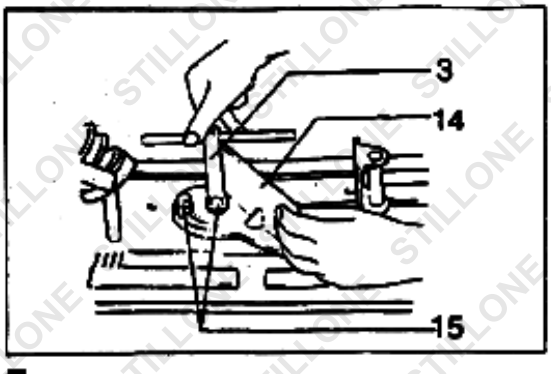

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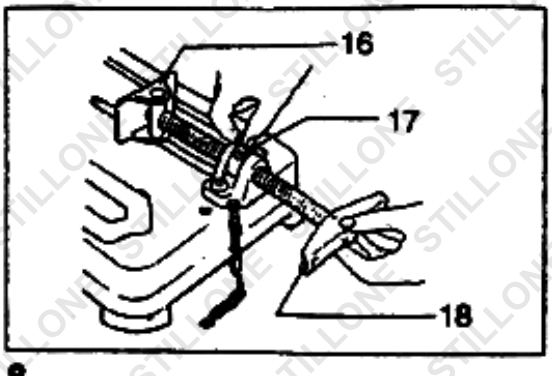

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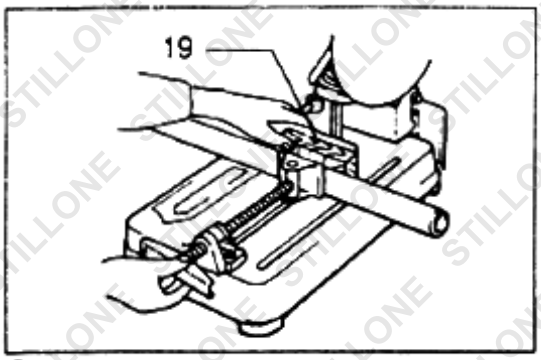

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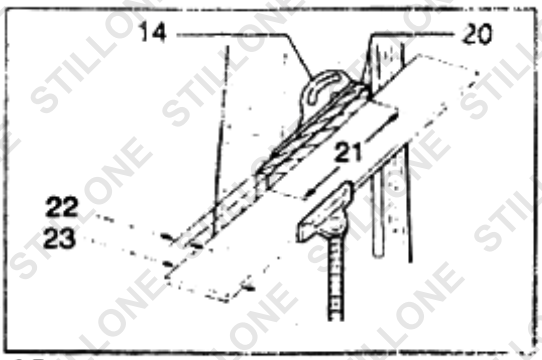

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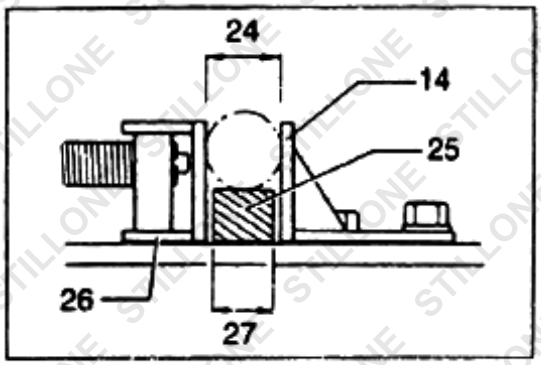

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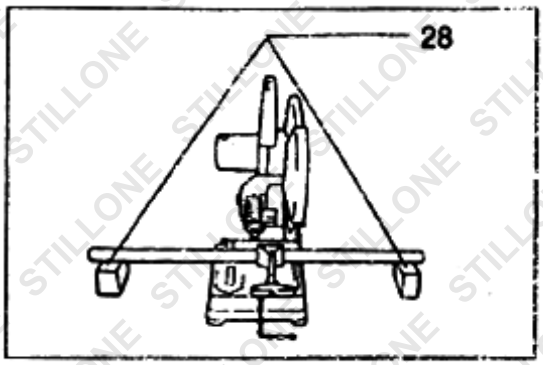

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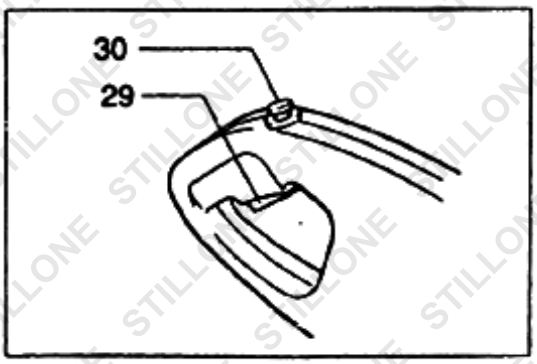

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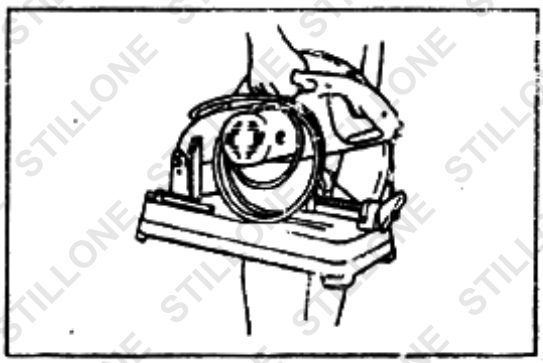

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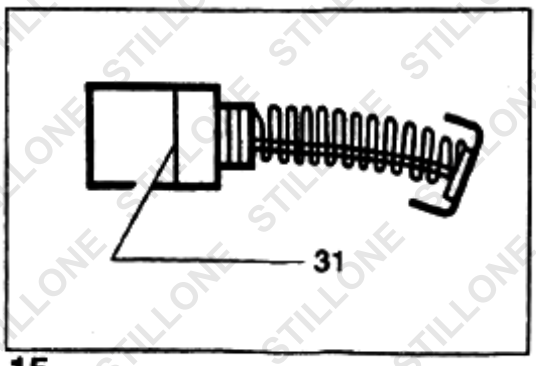

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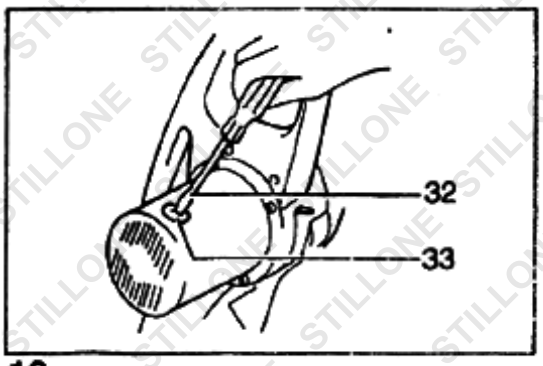

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No.	Part Name
1	Safety Guide
2	Shaft lock
3	Socket wrench
4	Cut-off wheel
5	Inner flange
6	O-ring
7	Spindle
8	Ring
9	Outer flange
10	Hex bolt
11	Screw
12	Spark guard
13	Stopper plate
14	Guide plate
15	Hex bolts
16	Vise plate
17	Vise nut

No.	Part Name
18	Vise handle
19	Spacer block
20	Straight piece of wood (Spacer)
21	Over 190mm long
22	Over 45mm wide
23	Over 65mm wide
24	Diameter of work piece
25	Spacer block
26	Vise
27	Width of spacer block
28	Blocks
29	Switch trigger
30	Lock button / Lock-off button
31	Limit mark
32	Screwdriver
33	Brush holder cap

Safety Instructions

WARNING! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following. Read all these instructions before attempting to operate this product and save these instructions.

For Safe Operation:

- **Keep work area clean**

  Cluttered areas and benches invite injuries.

- **Consider work area environment**

  Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well-lit. Don't use power tools in the presence of flammable liquids or gases.

- **Guard against electric shock**

  Prevent bodily contact with grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).

- **Keep children away**

  Do not let visitors make contact with the tool or extension cord. All visitors should be kept away from the work area.

- **Store idle tools**

  When not in use, tools should be stored in a dry, high, and/or a locked-up place that is out of children's reach.

- **Don't overexert the tool**

  It will do the job better and safer at the rate for which it was intended.

- **Use the right tool**

  Don't force small tools or attachments to do the job of a heavy-duty tool. Don't use tools for purposes that they are not designed to do. For example, don't use a circular saw for cutting tree limbs or logs.

- **Dress properly**

  Do not wear loose clothing or jewellery. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

- **Use safety glasses and hearing protection**

  Also use face or dust mask if the work area is dusty.

- **Connect dust extraction equipment**

  If devices are properly provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used.

- **Don't abuse the cord**

  Never carry the tool by the cord or yank it to disconnect it from the receptacle. Keep the cord away from heat, oil and sharp edges.

- **Secure your work**

  Use clamps or a vise to hold your work down. It's safer than using your hand and it frees both hands to operate the tool.

- **Don't overreach**

  Keep proper footing and balance at all times.

- **Maintain tools with care**

  Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have them repaired by an authorised service facility. Inspect extensions cords periodically and replace them if damaged. Keep handles clean, dry and free from oil and grease.

- **Disconnect tools**

  When not in use, before servicing and when changing accessories such as blades, bits and cutters.

- **Remove adjusting keys and wrenches**

  Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

- **Avoid unintentional starting**

  Don't carry plugged-in tool with finger on the switch. Be sure that the switch is off when plugging in.

- **Outdoor use of extension cords**

  When tool is used outdoors, use only extension cords intended for use outdoors and are marked as so.

- **Stay alert**

  Watch what you are doing. Use common sense. Do not operate the tool when you are tired.

- **Check for damaged parts**

  Before using the tool any further, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for the alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorised service personnel or centre. Have defective switches replaced by an authorised service personnel or centre. Do not use the tool if turning the switch does not turn it on or off.

WARNING! The use of any other accessory or attachment other than what is recommended in this manual or the catalogue may present a risk of personal injury.

- **Have your tool repaired by an expert**

  This electric appliance is in accordance with the relevant safety rules. Repairing of electric appliances must be carried out only by experts, otherwise it may cause considerable danger for the user.

Additional Safety Rules

- Wear hearing protection during extended periods of operation.
- Use only wheels having a maximum operating speed at least as high as the “No Load RPM” marked on the tool’s nameplate. Use only fiberglass-reinforced cut-off wheels.
- Check the wheel carefully for cracks or damage before operation. Replace cracked or damaged wheel immediately.
- Secure the wheel carefully.
- Use only flanges specified for this tool.
- Be careful not to damage the spindle, flanges (especially the installing surface) or bolt, or else the wheel itself might break.
- Keep guards in place and in working order.
- Hold the handle firmly.
- Keep hands away from rotating parts.
- Make sure that the wheel is not contacting the work piece before the switch is turned on.
- Before using the tool on an actual work piece, let it simply run for several minutes first. Watch for flutter or excessive vibration that might be caused by poor installation or a poorly-balanced wheel.
- Watch out for flying sparks when operating. They can cause injury or ignite combustible materials.
- Remove materials or debris from the area that might be ignited by sparks. Be sure that others are not in the path of the sparks. Keep a proper, filled fire extinguisher closely available.
- Use the cutting edge of the wheel only. Never use the side surface.
- If the wheel stops during the operation, makes an odd noise or begins to vibrate, switch off the tool immediately.
- Always switch off and wait for the wheel to come to a complete stop before removing and/or securing the work piece, working the vise, and/or changing your work position, angle or the wheel itself.
- Do not touch the work piece immediately after operation; it is extremely hot and could cause serious burns.
- Store the wheels in a dry location only.

SAVE THESE INSTRUCTIONS.

Operating Instructions

Removing or installing the cut-off wheel

Refer to figures 1 & 2 in A general View of Parts

IMPORTANT:

- Always ensure that the tool is switched off and unplugged before removing or installing the wheel.
- To remove the wheel, raise the safety guide. Press the shaft lock so that the wheel will not revolve and use the socket wrench to loosen the hex bolt by turning it counter clockwise.
- Then remove the hex bolt, outer flange and wheel.

NOTE:

- Do not remove the inner flange, ring and O-ring.
- To install the wheel, follow the removal procedures in reverse.

CAUTION:

- Be sure to tighten the hex bolt securely. Insufficient tightening of the hex bolt may result in severe injury. Use the socket wrench provided to help assure a proper tight fit.
- Always use only the proper inner and outer flanges which are provided with this tool.
- Always lower the safety guide after replacing the wheel.

Spark Guard

Refer to Figure 3 in A general View of Parts

The spark guard is factory-installed with its lower edge contacting the base. Operating the tool in this position will cause many sparks to fly around. Loosen the screw and adjust the spark guard to a position where minimum sparks will fly around.

Stopper Plate

Refer to Figure 4 in A general View of Parts

The stopper plate prevents the cut-off wheel from contacting the workbench or floor. When a new wheel is installed, set the stopper plate to position (A). When the wheel wears down to the extent that the lower portion of the work piece is left uncut, set the stopper plate to position (B) to allow increased cutting capacity with a worn-down wheel.

Interval between the vise and guide plate

Refer to Figures 5 & 6 in A general View of Parts

The original spacing or interval between the vise and the guide plate is 0 – 170mm. if your work requires wider spacing or interval, proceed as follows to change the spacing or interval.

Remove the two hex bolts which secure the guide plate. Move the guide plate as shown in **FIG. 6** and secure it using the hex bolts. The following interval settings are possible:

- 35 – 205mm
- 70 – 240mm

CAUTION: Remember that narrow work pieces may not be secured safely when using the two, wider interval settings.

Setting for the desired cutting angle

Refer to Figure 7 in A general View of Parts

To change the cutting angle, loosen the two hex bolts which secure the guide plate. Move the guide plate to the desired angle (0° - 45°) and lighten the hex bolts securely.

CAUTION: Never perform right miter cuts when the guide plate is set at the 35 – 205mm or 70 – 240mm position.

Securing work pieces

By turning the vise handle counter clockwise and then flipping the vise nut to the left, the vise is released from the shaft threads and can be moved rapidly in and out. To grip work pieces, push the vise handle until the vise plate makes contact with the work piece. Flip the vise nut to the right and then turn the vise handle clockwise to secure the work piece (**Figure 8**).

CAUTION:

Always set the vise nut fully to the right when securing the work piece. Failure to do so may result in insufficient securing of the work piece. This could cause the work piece to be ejected or cause a dangerous breakage of the wheel.

When the cut-off wheel has worn down considerably, use a spacer block of sturdy, non-flammable material behind the work piece as shown in **Figure 9**. You can efficiently utilize the worn wheel more by using the mid-point on the periphery of the wheel to cut the work piece.

When cutting work pieces over 65mm wide at an angle, attach a straight piece of wood (spacer) over 190mm long x 45mm wide to the guide plate as shown in **Figure 10**. Attach this spacer with screws through the holes in the guide plate.

If you use a spacer block which is slightly narrower than the work piece as shown in **Figure 11**, you can also utilise the wheel economically.

Long work pieces must be supported by blocks of non-flammable material on either side so that it will be level with the base top (**Figure 12**).

Switch Action

CAUTION: Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the “OFF” position when released.

For Tool with Lock Button

Refer to Figure 13 in A general View of Parts

To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool from its locked position, pull the trigger fully, then release it.

For Tool with Lock-Off Button

Refer to Figure 13 in A general View of Parts

To prevent the trigger from being accidentally pulled, a locked-off button is provided. To start the tool, press the lock-off button and pull the trigger. Release the trigger to stop.

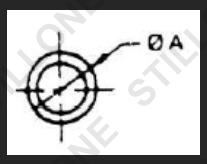
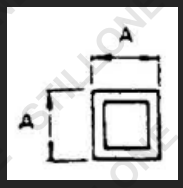
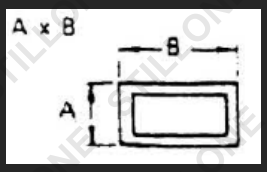
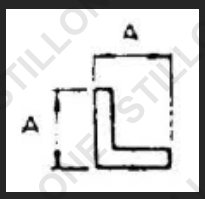
Operating the Tool

Hold the handle firmly. Switch on the tool and wait until the wheel attains full speed before lowering it gently into the cut. When the wheel contacts the work piece, bear down on the handle gradually to perform the cut. When the cut is completed, switch off the tool and **WAIT UNTIL THE WHEEL HAS COME TO A COMPLETE STOP** before returning the handle to its fully-elevated positon.

CAUTION: Proper handle pressure during cutting and maximum cutting efficiency can be determined by the amount of sparks that is produced while cutting. Your pressure on the handle should be adjusted to produce the maximum amount of sparks. Do not force the cut by applying excessive pressure on the handle. Reduced cutting efficiency, premature wheel wear, as well as possible damage to the tool, cut-off wheel or work piece may result.

Cutting Capacity

Maximum cutting capacity varies depending on the cutting angle and the shape of the work piece. Applicable wheel diameter: 355mm

	Shape of Work Piece				
Cutting Angle	90°	115mm	119mm	115mm x 130mm 102mm x 194mm 70mm x 233mm	137mm
	45°	115mm	106mm	115mm x 103mm	100mm

Carrying the Tool

Refer to Figure 14 in A general View of Parts

Fold down the tool head to the position where you can attach the chain to the hook on the handle.

Maintenance

CAUTION: Always ensure that the tool is switched off and unplugged before carrying out any work on the tool.

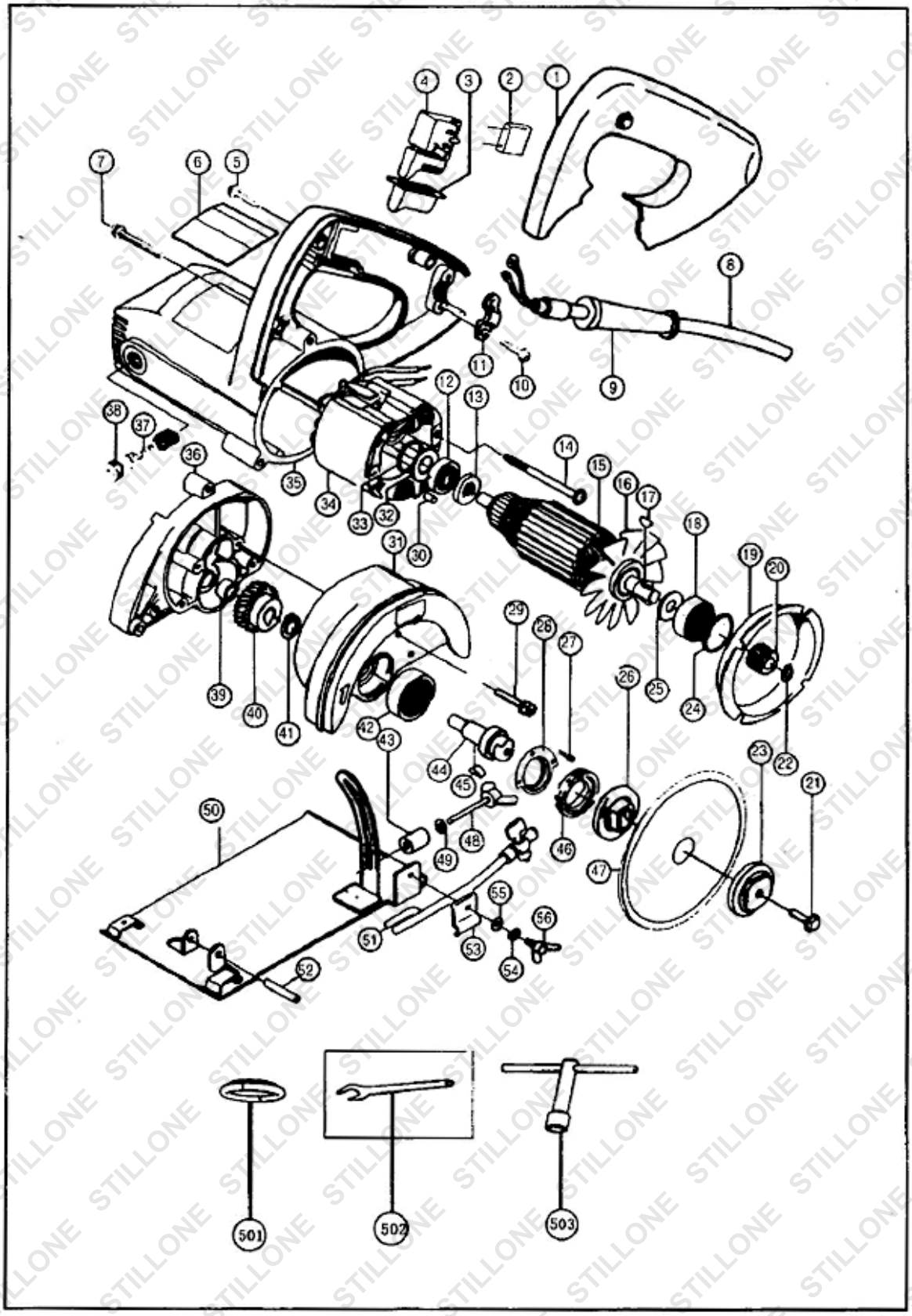
Replacement of Carbon Brushes

Refer to Figures 15 & 16 in A general View of Parts

Replace the carbon brushes when they are worn down to the limit mark. Both identical carbon brushes should be replaced at the same time.

Repairs, maintenance or adjustments should only be carried out by an authorised service personnel or centre in order to maintain product safety and reliability.

Parts Diagram



Parts List

NO.	Name
01	Handle cover
02	Capacitor
03	Swith cover
04	Swith
05	Screw
06	Label
07	Screw
08	Cord
09	Cord guard
10	Screw
11	Cord clamp
12	Bearing
13	Bearing dustproof
14	Screw
15	Armature
16	Fan
17	Key
18	Bearing
19	Wind fender
20	Pinion gear
21	Screw
22	Retaining ring
23	Up flange
24	O-ring
25	Flat washer
26	Down flange
27	Screw
28	Sealed cover
29	Screw

NO.	Name
30	Rubber pin
31	Gearbox
32	Bearing sleeve
33	O-ring
34	Stator
35	House body
36	Middle cover
37	Carbon brush
38	Brush cover
39	Needle bearing
40	Big gear
41	Retaining ring
42	Bearing
43	Steel pipe
44	Spindle
45	Key
46	Sealed ring
47	Cutting disc
48	Wing screw
49	Washer
50	Bottom board
51	Tap
52	Spring pin
53	Tap cover
54	Spring washer
55	Flat washer
501	Water pipe/tie-in
502	Wrench
503	Hex spanner

Specifications

Voltage	220 – 240v 50Hz
Power	2350W
Blade Diameter	355mm
Inside (Arbor) Diameter	25.4mm
Speed	80m/sec
Blade Thickness	3.5mm
Maximum Material Thickness (Cutting Diameter)	130mm / 5 inches
Weight	18 kg

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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