

# BlairPro® WOODWORKER



## COMPOUND SLIDING MITRE SAW

Model Nos: CMS10S and CMS12S

Part Numbers: 6501310 & 6501315

## Operating & Maintenance Instructions



© 0607

## SPECIFICATIONS

|  | <b>CMS10S</b>  | <b>CMS12S</b>        |
|--|----------------|----------------------|
| <b>Motor:</b>                              | 230V 50Hz 1ph. | 230V 50Hz 1ph.       |
| <b>Input Current</b>                       | 8.54 Amps      | 8.0 Amps             |
| <b>Power Rating:</b>                       | 1800Watts      | 1800 Watts           |
| <b>Speed:</b>                              | 4800 RPM       | 4100 RPM             |
| <b>Fuse Rating</b>                         | 13 Amps        | 13 Amps              |
| <b>Dimensions: (Head Lowered - DxWxH)*</b> | 745x505x375mm  | 755x505x450mm        |
| <b>Dimensions: (Head Raised - DxWxH)**</b> | 910x505x620mm  | 920x505x655          |
| <b>Blade size: (Fitted)</b>                | 255mm, 60T     | 305mm, 80T.          |
| <b>Bore</b>                                | 25.4mm         | 25.4mm               |
| <b>Drive Spindle Diameter</b>              | 16mm           | 16mm                 |
| <b>Dust Port Diameter (Inner/Outer)</b>    | 31/37mm        | 31/37mm              |
| <b>Sound Power level (measured)</b>        | 99.0 dBLWA     | 99.0 dBLWA           |
| <b>Vibration Level (Normal Load)</b>       | <2.5m/s        | <2.5m/s <sup>2</sup> |
| <b>Net weight (unpacked)</b>               | 16kg           | 24kg                 |
| <b>Part Number</b>                         | 6501310        | 6501315              |

\* Without Work Supports, Slide fully forward , Dust Bag not fitted

\*\* Without Work Supports, Slide fully to the rear, Dust Bag not fitted

### Maximum Cutting Sizes

#### CMS10S

| Type of Cut          | Thickness | Width |
|----------------------|-----------|-------|
| Cross (90°)          | 75mm      | 300mm |
| Cross (45°)          | 75mm      | 200mm |
| Bevel (at 45°)       | 45mm      | 300mm |
| Compound (at 2x 45°) | 45mm      | 200mm |

#### CMS12S

| Type of Cut          | Thickness | Width |
|----------------------|-----------|-------|
| Cross (90°)          | 90mm      | 310mm |
| Cross (45°)          | 90mm      | 200mm |
| Bevel (at 45°)       | 60mm      | 310mm |
| Compound (at 2x 45°) | 60mm      | 200mm |

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice. Always consult the machine's data plate



DO NOT dispose of this product with general household waste. It must be disposed of in accordance with all laws governing waste electrical and electronic equipment at a recognised disposal facility.

Thank you for purchasing this CLARKE Compound Sliding Mitre Saw which is designed for DIY/hobby and medium trade use only.

Before operating the Mitre Saw please read this leaflet thoroughly and carefully follow all instructions. This will ensure the safety of yourself and that of others around you, and you can also look forward to the machine giving you long and satisfactory service.

## GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase. This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

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## SAFETY PRECAUTIONS

### GENERAL SAFETY RULES FOR OPERATING MACHINERY

**WARNING:**

*As with all machinery, there are certain hazards involved with their operation and use. Exercising respect and caution will considerably lessen the risk of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator or damage to property, may result.*

1. **READ** and **BECOME FAMILIAR** with the entire operating manual. Learn the machines' applications and limitations as well as the specific potential hazards peculiar to it.
2. **EARTH ALL MACHINES.** If the machine is equipped with three-pin plug, it should be plugged into a three-pin electrical socket. Never remove the earth pin.
3. **ALWAYS** ensure that **ADEQUATE LIGHTING** is available. A minimum intensity of 300 lux should be provided. Ensure that lighting is placed so that you will not be working in your own shadow.
4. **CHECK** for **DAMAGE.** Before using the machine, any damaged part, such as a guard etc., should be checked to ensure that it will operate properly, and perform its intended function. Check for alignment of moving parts, breakage of parts, mountings, and any other condition that may affect the machines operation. Any damage should be properly repaired or the part replaced. If in doubt, **DO NOT USE** the machine. Consult your local dealer.
5. **DISCONNECT** the **MACHINE** from the power supply before servicing and when changing accessories such as blades, etc.
6. **KEEP GUARDS** in place and in working order.
7. **ALWAYS WEAR SAFETY GOGGLES**, manufactured to the latest European Safety Standards. Also use a face or dust mask if the cutting operation is dusty. Everyday eyeglasses do not have impact resistant lenses, they are **NOT** safety glasses.
8. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
9. **ALWAYS WEAR EAR PROTECTORS/DEFENDERS** as this machine generates considerable noise which can be in excess of 97dBA.
10. **DON'T FORCE** the machine. It will do a better and safer job at the rate for which it was designed.

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11. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form the habit of checking to see that keys and adjusting wrenches are removed from the machine before switching on.
  12. **DRUGS, ALCOHOL, MEDICATION.** Do not operate machine while under the influence of drugs, alcohol or any medication.
  13. **USE RECOMMENDED ACCESSORIES.** The use of improper accessories could be hazardous.
  14. **NEVER LEAVE MACHINE RUNNING UNATTENDED.** Turn power OFF. Do not leave machine until it comes to a complete stop.
  15. **ALWAYS REMOVE PLUG** from electrical outlet when adjusting, changing parts, or carrying out maintenance tasks.
  16. **AVOID DANGEROUS ENVIRONMENT.** Don't use power machines in damp or wet locations or expose them to rain. **DO NOT USE** in explosive atmosphere (around paint, flammable liquids etc.).
  17. **KEEP CHILDREN AWAY.** All visitors should be kept a safe distance from the work area, especially whilst operating the unit.
  19. **MAINTAIN MACHINE IN TOP CONDITION.** Keep tools sharp and clean for the best and safest performance. Follow maintenance instructions.
  21. **DON'T OVERREACH.** Keep your proper footing and balance at all times. For best footing, wear rubber soled footwear. Keep floor clear of oil, scrap wood, etc.
  22. **WEAR PROPER APPAREL.** Loose clothing or jewellery may get caught in moving parts. Wear protective hair covering to contain long hair.
  23. **MAKE WORKSHOP CHILDPROOF.** Cover the saw adequately when not in use, to prevent children from injuring themselves by tampering with it.
  24. **NEVER STAND ON THE MACHINE.** Serious injury could occur if the machine is tipped or if a cutting tool is accidentally contacted. Do not store materials above or near a machine, such that it is necessary to stand on the machine to reach them.
  25. **HANDLE WITH EXTREME CARE** Whenever transporting or installing machinery.
  26. **AVOID ACCIDENTAL STARTING.** Ensure the switch is OFF before plugging in to the mains supply.
  27. **BE AWARE** that many **ACCIDENTS** are caused by carelessness due to familiarity. **ALWAYS** concentrate on the job in hand, no matter how trivial it may seem.



## ADDITIONAL SAFETY INSTRUCTIONS for MITRE SAWS

1. Wear safety goggles as protection against flying wood chips and saw dust. In many cases, a full face shield is even better protection. A dust mask is also recommended to keep saw dust out of your lungs.
2. Use a solid wood workbench which will not move under load.
3. This saw is for indoor, DIY or medium trade use only.
4. Clear the work table of all objects except the workpiece (tools, scraps, rulers etc.) before switching on the saw.
5. Keep your fingers well away from the blade.
6. Switch off the saw, and make sure the blade has come to a complete stop before clearing sawdust or off-cuts from the table.
7. Make sure there are no nails or foreign objects in the part of the workpiece to be sawn.
8. Set up the machine and make all adjustments with the power OFF, and disconnected from the supply.
9. DO NOT operate the machine with the guards removed. They must all be in place and securely fastened when performing any operation.
10. Use ONLY approved replacement saw blades. Contact your local CLARKE dealer for advice. The use of inferior blades may increase the risk of injury.
11. DO NOT saw any material that does not have a flat surface on which to bear.
12. This machine is designed for cutting wood. DO NOT use for cutting metal, plastics or masonry.
13. DO NOT force the blade, lower it gently into the work.
14. Ensure you have complete control of the Cutting Head at all times. When a cut is completed, return it to its uppermost position gently. DO NOT allow it to snap back heavily under spring pressure.
15. Always clamp the work to the table. DO NOT perform freehand operations.
16. Ensure that the portion of the workpiece being cut bears firmly against the back fence.
17. Provide adequate support for long workpieces.
18. Never use solvents for cleaning plastic parts as this could cause damage to the material. A soft damp cloth only is required.
19. The saw blade must have a rated capacity greater than the maximum speed of the machine - see Specifications.

## ELECTRICAL CONNECTIONS

Connect the mains lead to a standard, 230 Volt (50Hz) electrical supply through an approved 13 amp BS 1363 plug, or a suitably fused isolator switch.

### WARNING! THIS APPLIANCE IS DOUBLE INSULATED

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue - Neutral  
Brown - Live

As the colours of the flexible lead of this appliance may not correspond with the coloured markings identifying terminals in your plug proceed as follows:

**Connect BROWN cord to terminal marked with "L" or coloured RED.**

**Connect BLUE cord to the terminal marked with "N" or coloured BLACK.**

If this appliance is fitted with a plug which is moulded onto the electric cable (i.e. non-rewirable) please note:

1. The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
2. Never use the plug without the fuse cover fitted.
3. Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from your local dealer or most electrical stockists.

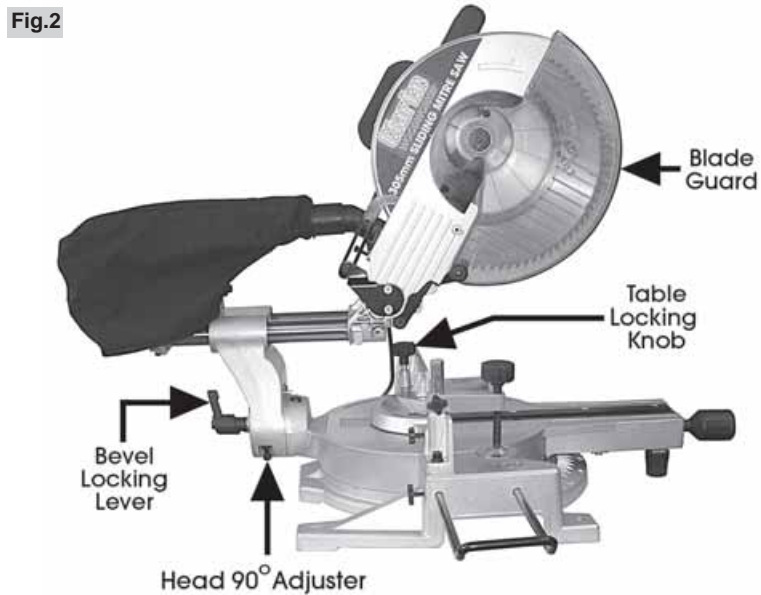
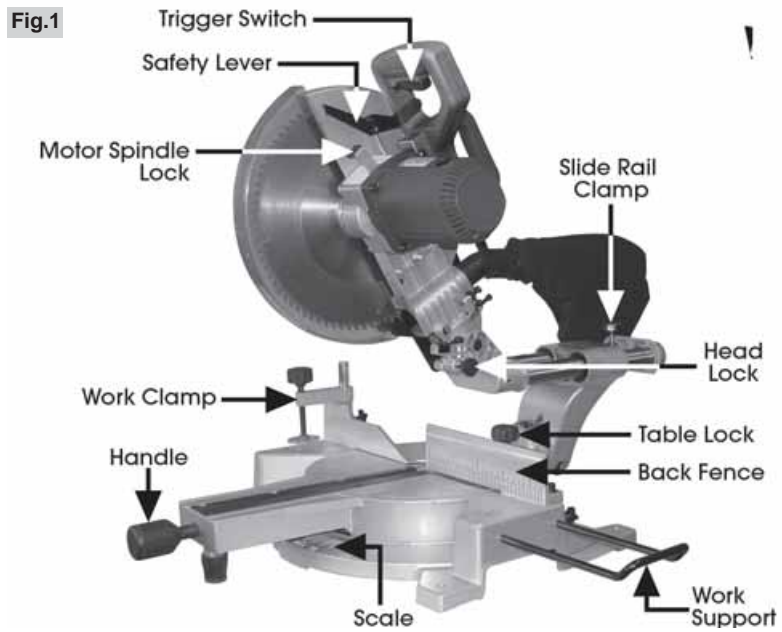
### Fuse Rating

The fuse in the plug must be replaced with one of the same rating - **13amps** and this replacement must be ASTA approved to BS1362.

### Cable Extension

If a cable extension is needed, it is essential to ensure that the size of the conductors is at least the same size as those of the power cable supplied.

## PRINCIPAL PARTS OF THE SAW





## FEATURES

- As its' name implies, the machine is a Compound Mitre Saw, capable of straight cross cutting, and cutting bevels and mitres, or a combination of the two.
- The main arm, or Cutting Head, carries the motor and the tungsten carbide saw blade. The head, complete with table, is allowed to swivel, in both directions, to produce mitre cuts and the head may also tilt to the left to produce bevel cuts. A combination of swivelling head and tilting head will also produce compound mitres. Additionally, the head is capable of moving front to rear in order to cut boards of up to 300mm - model 10S, 310mm -12S, in width.
- The saw is also provided with a grooving facility, whereby straight or slanting grooves may be cut - see Operation.
- The table, with head, is designed to swivel up to 45 degrees in either direction and is provided with positive stops at 0 (90), 60, 45, 22.5 and 15 degrees.
- The maximum sizes of wood that may be cut in any of these processes is given in the Specifications on page 2.
- A dust extraction outlet is provided at the rear of the machine, on to which the dust bag (supplied) is fitted. If necessary, hose from a vacuum cleaner may be attached to provide fast and efficient removal of sawdust. The vacuum cleaner may be used continuously or intermittently depending upon your requirements.
- The blade drive shaft has a 16mm diameter. A TCT blade is provided with a bore of 1"/25.4mm. A reducer bush is therefore used, and one spare is provided.
- This saw is not designed for cutting metal, plastics or masonry.
- A motor spindle locking lever is provided - see Fig.3, used in order to remove the saw blade. **WARNING! NEVER** touch this lever when the saw is operating.
- The saw may be transported, short distances using the carry handle. Make sure head is locked in its lower position, as shown in Fig.3, and both the table locking knob and head slide locking knob are screwed IN fully when carrying in this way.

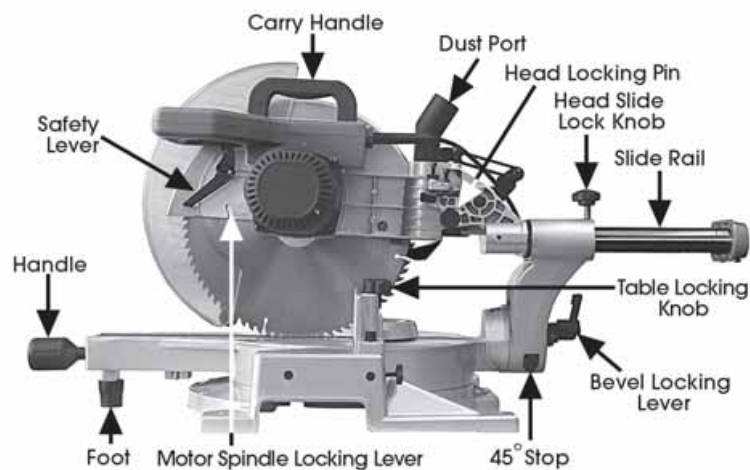


Fig.3

## ASSEMBLY and INSTALLATION.

The saw is fully assembled and adjusted at the factory. On receipt inspect the machine to ensure that all parts are accounted for and that no damage was incurred during transit.

Loose items are:

- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1 x socket spanner.                | 1 x spare set of carbon brushes. |
| 1 x spare blade bore reducer bush. | 1 x plastic 90/45° template.     |
| 1 x dust bag.                      | 1 x work clamp with support bar. |
| 2 x work supports.                 |                                  |

Any deficiency or damage should be reported to your CLARKE dealer immediately.

Mount the machine on a firm solid base that will not move under load. Ensure there is an appropriate electrical supply, and adequate lighting, so that you will not be working in your own shadow.

Four holes are provided, one at each corner of the base, so that the machine may be bolted permanently to a workbench for added stability, using 8mm bolts (not provided). Alternatively it may be bolted to a piece of plywood with a thickness of 16mm (5/8"), approx. 24"x24", and the board clamped to a workbench for additional stability.

The Cutting Head is locked in its lower position for transit purposes. To release it, pull out the Head Locking Pin - see Fig 3 (It may be necessary to apply slight downward pressure to the head in order to do so), and allow the head to rise to its upper position gently, under control.

The head will lock in its upper position, and is prevented from being lowered until the Safety Lever (see Fig 2 or 3) is pushed to one side.

## OPERATION. (Ref Fig.4)

### A. Cross Cutting. (at 90°)

1. Set the table at 0 degrees as shown on the scale at the front of the table. To do this, firstly unscrew the table locking knob a few turns, - see Fig.3, then turn the table, using the large table knob, until it clicks into place.
2. Secure the table by screwing in the table locking knob fully.
3. Set the work in place with one end firmly clamped against the table and back fence, using the work clamp supplied.

It is important to ensure that one end of the workpiece is completely free to move i.e. NOT clamped or held in any way. This will normally be the off-cut or shorter end.

**NOTE: If the workpiece is not entirely straight, ensure that the portion at either side of the intended cut rests firmly against the table and back fence.**

When satisfied, make a final check to ensure that all safety precautions are being observed and the 'Groove Plate' is correctly set - see page 13, then pull and hold the trigger and allow the blade to reach full speed. If any unusual sounds or vibrations occur, release the starter switch immediately and investigate the cause.

When satisfied, push the Safety Lever to one side with your thumb or forefinger and gently lower the head so that the blade makes contact with the workpiece. Do not force the blade, a light pressure is all that is required. Use the slide rail facility as required - simply pull out the complete head, on its rails, then gently push the head into then workpiece - do not force the blade.

You will notice that to provide maximum safety, the blade is not exposed at any time, and the guard rises automatically as the blade is lowered. Nevertheless, NEVER treat the machine with indifference, and NEVER be casual with your approach.

To switch off, release the trigger whilst still maintaining full control of the head. NEVER allow the head to spring upwards - always maintain control. Wait for the blade to stop completely before removing the workpiece, off-cuts etc.

## B. Mitre Cutting

This is a cross cutting operation, except that the saw blade is set at an angle to the work, but remains perpendicular to the table. This is achieved by mounting the complete head assembly on a table which is free to rotate by up to 45° in either direction .

To set the required mitre angle, unscrew the table locking knob a few turns, then rotate the table, with the head and saw blade, to the desired position, using the large table knob, lining up the angle on the scale with the pointer.

*Note that the table will click into place in the 0°(90°), 15°, 22.5°, 30° and 45° positions.*

The procedure for cutting is the same as that for cross cutting.

To secure the table, screw in the table lock knob fully.



Fig.4

## C. Straight Bevel Cutting

As with Mitre Cutting, this is a cross cutting operation, except that the blade is not perpendicular to the table, (see fig. 5).

Ensure the table is set to  $0^{\circ}$ , and is locked in place using the table knob.

The bevel adjuster is factory set so that when the head is tilted to its fullest extent the blade will cut a perfect  $45^{\circ}$  bevel.

If however you require any other angle, you should proceed as follows:

Cut a mitre of the required angle, on a spare piece of wood, and use this as a template for your bevel cut.

Slacken off the bevel locking lever by turning it anticlockwise half a turn, then swing the head to the side. Lower the arm, and bring your template up to the saw blade. When satisfied that the edge of template and blade are parallel, lock the head in position with locking lever. Your angle is now set.

The procedure for cutting is the same as that for cross cutting....press trigger, wait for full speed to develop, push safety lever to one side, then lower the blade to the workpiece.



Fig.5

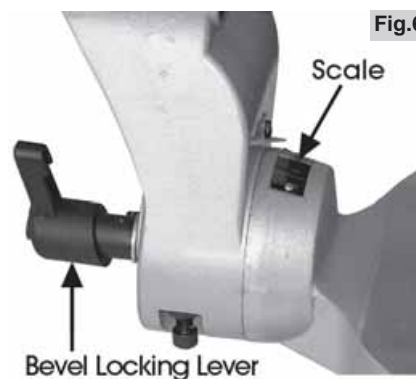


Fig.6

## D. Compound Mitre and Bevel Cutting.

Having determined the angles you require, firstly set the bevel angle, using the procedure described above, and then the mitre angle.

**NOTE: Compound mitre and bevel cuts, at a full  $45^{\circ}$ , can only be made when the head is turned to the left.**

The procedure for cutting is the same as that for cross cutting.



Fig.7

## E. Cutting a Groove

A unique feature of this saw is its ability to produce grooves, both straight and angled. A special plate, indicated in Fig. 8a and an adjuster are used, as follows:

Firstly, determine the depth of your groove, and subtract this value from the thickness of your workpiece. This will give you the height above the table surface at which the saw blade must be set



Ideally, place a template or a piece of wood, the same thickness as the saw blade height setting, on the table, beneath the saw blade.

Pivot the groove plate to the position shown in Fig.9a.

Undo the adjuster locking ring and screw out the adjuster, then lower the head so that it lightly touches the template or is at the correct height as determined using a rule.

Screw down the adjuster so that it touches the groove plate, then finally tighten the locking ring.

The saw blade is now set to cut your groove, using the sliding feature. The width of the groove will, of course, be the width of the saw blade. However, by moving the workpiece along the table in small increments, each time making a cut, it is possible to cut grooves to any desired width.

Angled grooves may be cut by tilting the head to the appropriate angle.

Before reverting to normal cutting, remember to turn the groove plate to its normal position as shown in Fig.9.

Fig. 8

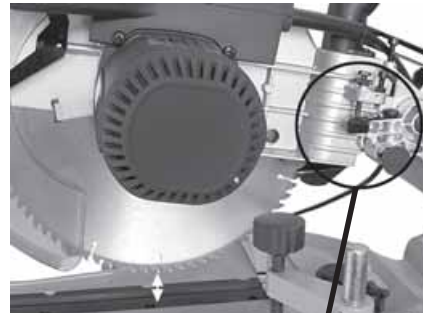


Fig.8a

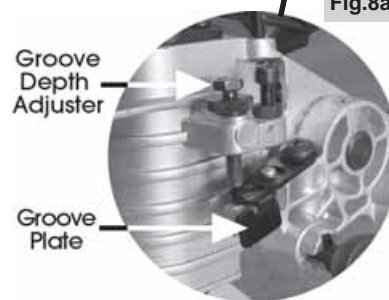


Fig. 9



Fig.9a



## MAINTENANCE

### 1. General

The machine is maintenance free, except for changing the saw blade when necessary, maintaining adjustments, and ensuring that after use, you clean away any sawdust or wood chips, with a low pressure air line or brush, paying particular attention to the motor air vents which should be kept clear at all times.

Should the motor not function normally, it is possible that it has become clogged with saw dust, in which case, it will be necessary to disassemble the motor in order to clean the various components. Contact your CLARKE dealer for advice.

### 2. Changing the Saw Blade

**IMPORTANT: Exercise extreme care when handling the saw blade. The tips are extremely sharp, and careless handling could result in severe personal injury.**

1. With the machine disconnected from the mains supply, and the cutting head in the raised position and locked on its rails, move the safety lever to allow the blade guard to be swivelled as shown in Fig.10, so that the centre screw is visible in the cut-out in the guard.
2. Push and hold down the motor spindle lock - see Fig.12, then, using the Hex. wrench, supplied, undo and remove the centre bolt, arrowed in Fig.11, remembering, it has a **LEFT HAND THREAD** i.e.turn **CLOCKWISE** to undo.



Fig.10

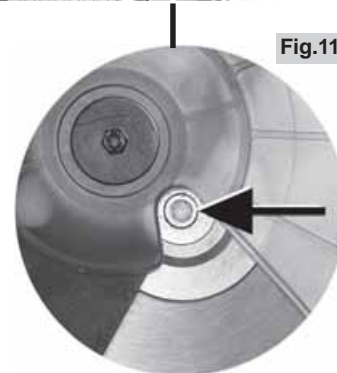


Fig.11

**WARNING! NEVER push the Spindle Locking Lever IN with the motor running**

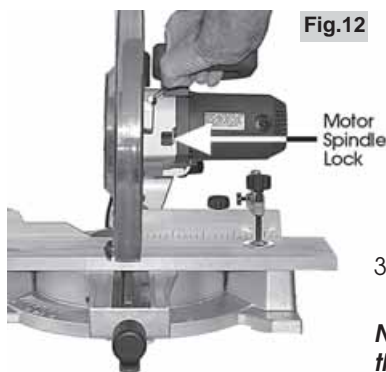


Fig.12

3. Pull off the outer flange followed by the saw blade.

**NOTE: You should take this opportunity to thoroughly clean parts previously inaccessible.**

By removing the collar, it is possible to use blades with a 16mm bore.

4. Replace the blade, ensuring it is of the correct bore. Where necessary use a collar to ensure it is a perfect fit on the spindle. Ensure also that all parts are perfectly clean and the blades' teeth point down at the front.

Additionally, the blade **MUST** be rated with a maximum speed greater than 4850RPM

Please note that spare blades are available from Clarke International. Please see your Clarke dealer.

Replace the outer flange and screw in the centre bolt, remembering it has a **left hand thread** - i.e. turn anticlockwise to tighten.

### 3. Carbon Brushes Replacement

A spare pair of carbon brushes are supplied with the machine. Should it become necessary to change these, evidenced by erratic performance, then, ensuring the machine is disconnected from the mains supply, simply unscrew the brush holder plugs, and pull out the worn brushes. Replace with new brushes, and screw in the plug, taking care not to cross thread it.



Fig.13

### 4. Head Adjustments

If you find that the cross cut is not entirely square, it will be necessary to adjust the head using the 90° adjuster screw shown in Fig. 14.

To do this, slacken off the bevel locking lever, then lower the arm and lock in place with the head locking knob.

Place a small square on the table, and bring the square up to the blade to test for accuracy.

Should any adjustment be required, slacken off the 90° adjuster screw lock nut and screw the adjuster in or out, as necessary, whilst holding the head firmly against the stop. Tighten the securing nut when the head is exactly perpendicular.

Similarly should the 45° stop require adjusting, use a 45° template up against the saw blade to set the adjuster to the correct position.

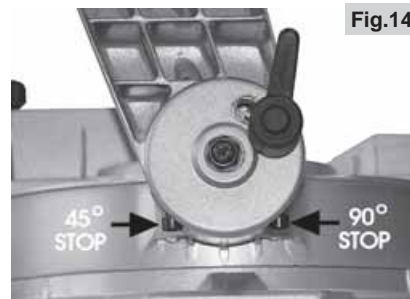


Fig.14



# PARTS LISTS AND DIAGRAMS

## PARTS & SERVICING

For Parts & Servicing, please contact your nearest dealer, or  
CLARKE International, on one of the following numbers.

**PARTS & SERVICE TEL: 020 8988 7400**

**PARTS & SERVICE FAX: 020 8558 3622**

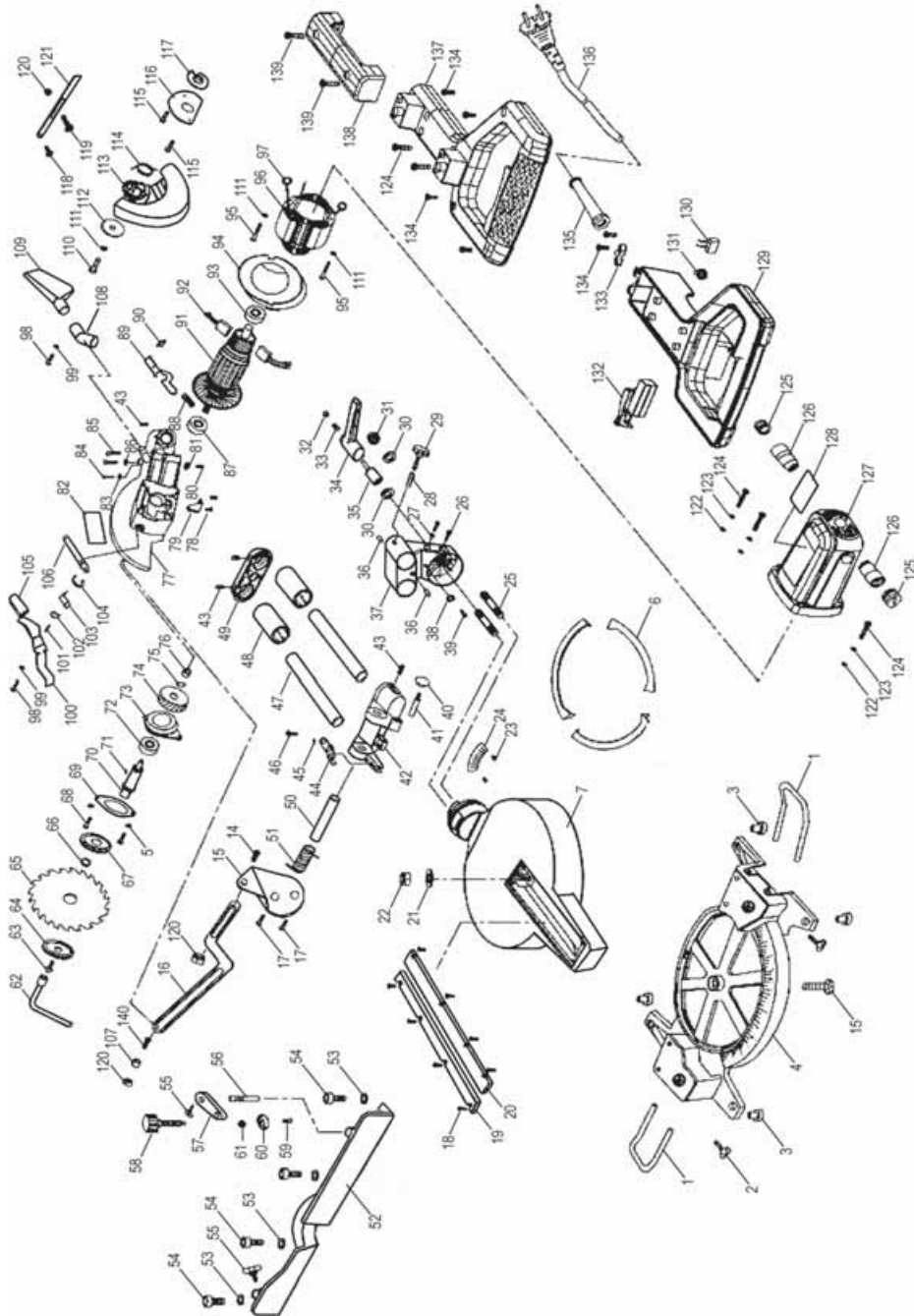
**or e-mail as follows:**

**PARTS: [parts@clarkeinternational.com](mailto:parts@clarkeinternational.com)**

**SERVICE: [service@clarkeinternational.com](mailto:service@clarkeinternational.com)**



# PARTS DIAGRAM - CMS10S



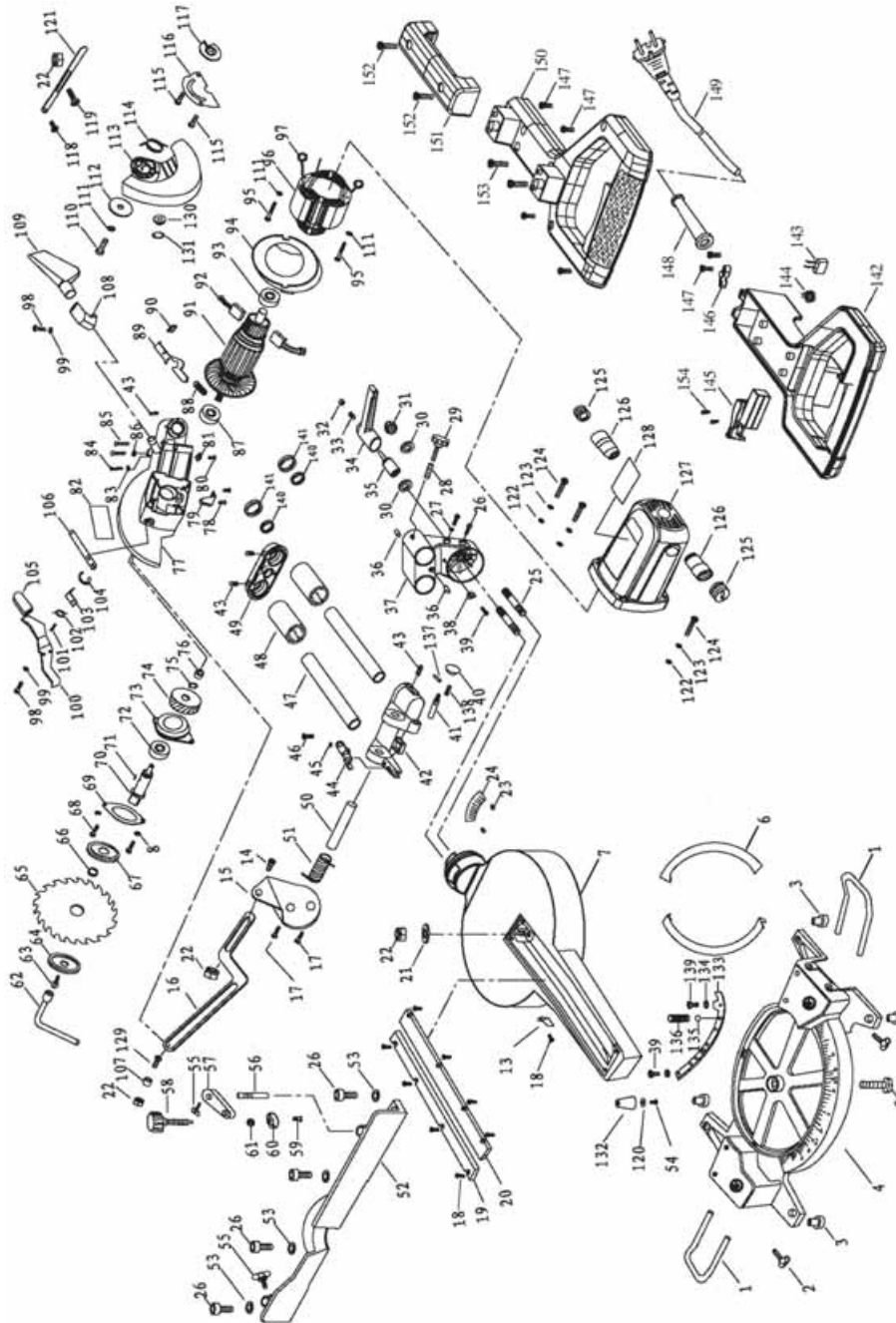
## PARTS LIST - CMS10S

| No. | Description          | Part No.     | No. | Description       | Part No.    |
|-----|----------------------|--------------|-----|-------------------|-------------|
| 1   | Work Support         | ACCMS10S001  | 41  | Lock Pin          | ACCMS10S041 |
| 2   | Butterfly Screw      | ACCMS10S002  | 42  | Main Bracket      | ACCMS10S042 |
| 3   | Rubber Foot          | ACCMS10S003  | 43  | Hex Hd Screw      | ACCMS10S043 |
| 4   | Base                 | ACCMS10S004  | 44  | Depth Adjuster    | ACCMS10S044 |
| 5   | Hex Hd Screw         | ACCMS10S005  | 45  | Washer            | ACCMS10S045 |
| 6   | Table Bearing Plate  | ACCMS10S006  | 46  | Screw             | ACCMS10S046 |
| 7   | Table                | ACCMS10S007  | 47  | Tube              | ACCMS10S047 |
| 14  | Pan Hd Screw         | ACCMS10S014  | 48  | Tube Bearing      | ACCMS10S048 |
| 15  | Plate                | ACCMS10S015  | 49  | Cover             | ACCMS10S049 |
| 16  | Link                 | ACCMS10S0016 | 50  | Shaft             | ACCMS10S050 |
| 17  | Screw                | ACCMS10S017  | 51  | Spring            | ACCMS10S051 |
| 18  | Pan Hd Screw         | ACCMS10S018  | 52  | Back Fence        | ACCMS10S052 |
| 19  | Table Insert (Left)  | ACCMS10S019  | 53  | Washer            | ACCMS10S053 |
| 20  | Table Insert (Right) | ACCMS10S020  | 54  | Hex Skt Hd. Screw | ACCMS10S054 |
| 21  | Flat Washer          | ACCMS10S021  | 55  | Butterfly Screw   | ACCMS10S055 |
| 22  | Locknut              | ACCMS10S022  | 56  | Shaft             | ACCMS10S056 |
| 23  | Pin                  | ACCMS10S023  | 57  | Plate             | ACCMS10S057 |
| 24  | Scale                | ACCMS10S024  | 58  | Securing Knob     | ACCMS10S058 |
| 25  | Double Screws        | ACCMS10S025  | 59  | Pan Hd Screw      | ACCMS10S059 |
| 26  | Hex Hd Screw         | ACCMS10S026  | 60  | Clamp Base        | ACCMS10S060 |
| 27  | Nut                  | ACCMS10S027  | 61  | Flat Washer       | ACCMS10S061 |
| 28  | Spring               | ACCMS10S028  | 62  | Socket Wrench     | ACCMS10S062 |
| 29  | Locking Knob         | ACCMS10S029  | 63  | Screw             | ACCMS10S063 |
| 30  | Flat Washer          | ACCMS10S030  | 64  | Outer Flange      | ACCMS10S064 |
| 31  | Locknut              | ACCMS10S031  | 65  | Blade             | ACCMS10S065 |
| 32  | End Plug             | ACCMS10S032  | 66  | Insert            | ACCMS10S066 |
| 33  | Spring               | ACCMS10S033  | 67  | Inner Flange      | ACCMS10S067 |
| 34  | Bevel Locking Lever  | ACCMS10S034  | 68  | Pan Hd Screw      | ACCMS10S068 |
| 35  | Nut                  | ACCMS10S035  | 69  | Bearing Cover     | ACCMS10S069 |
| 36  | Rubber Bung          | ACCMS10S036  | 70  | Arbor             | ACCMS10S070 |
| 37  | Bracket              | ACCMS10S037  | 71  | Key               | ACCMS10S071 |
| 38  | Pointer              | ACCMS10S038  | 72  | Bearing           | ACCMS10S072 |
| 39  | Pan Hd Screw         | ACCMS10S039  | 73  | Bearing Housing   | ACCMS10S073 |
| 40  | Butterfly Screw      | ACCMS10S040  | 74  | Gear              | ACCMS10S074 |

## PARTS LIST - CMS10S cont.

| No. | Description         | Part No.    | No. | Description        | Part No.    |
|-----|---------------------|-------------|-----|--------------------|-------------|
| 75  | Ring                | ACCMS10S075 | 108 | Dust Chute         | ACCMS10S108 |
| 76  | Bearing             | ACCMS10S076 | 109 | Dust Bag           | ACCMS10S109 |
| 77  | Upper Blade Guard   | ACCMS10S077 | 110 | Pan Hd Screw       | ACCMS10S110 |
| 78  | Screw               | ACCMS10S078 | 111 | Lock Washer        | ACCMS10S111 |
| 79  | Baffle              | ACCMS10S079 | 112 | Flat Washer        | ACCMS10S112 |
| 80  | Screw               | ACCMS10S080 | 113 | Lower Guard        | ACCMS10S113 |
| 81  | Rubber Baffle       | ACCMS10S081 | 114 | Spring             | ACCMS10S114 |
| 82  | Label               | ACCMS10S082 | 115 | Pan Hd Screw       | ACCMS10S115 |
| 83  | Nut                 | ACCMS10S083 | 116 | Plate              | ACCMS10S116 |
| 84  | Hex Hd Screw        | ACCMS10S084 | 117 | Plate              | ACCMS10S117 |
| 85  | Hex Skt Hd Screw    | ACCMS10S085 | 118 | Screw              | ACCMS10S118 |
| 86  | Nut                 | ACCMS10S086 | 119 | Screw              | ACCMS10S119 |
| 87  | Bearing             | ACCMS10S087 | 120 | Nut                | ACCMS10S120 |
| 88  | Compression Spring  | ACCMS10S088 | 121 | Link               | ACCMS10S121 |
| 89  | Locking Lever       | ACCMS10S089 | 122 | Nut                | ACCMS10S122 |
| 90  | Jacket              | ACCMS10S090 | 123 | Washer             | ACCMS10S123 |
| 91  | Armature            | ACCMS10S091 | 124 | Pan Hd Screw       | ACCMS10S124 |
| 92  | Carbon Brush        | ACCMS10S092 | 125 | Brush Holder Cover | ACCMS10S125 |
| 93  | Bearing             | ACCMS10S093 | 126 | Brush Holder       | ACCMS10S126 |
| 94  | Fan Baffle          | ACCMS10S094 | 127 | Motor Housing      | ACCMS10S127 |
| 95  | Screw               | ACCMS10S095 | 128 | Label 2            | ACCMS10S128 |
| 96  | Stator              | ACCMS10S096 | 129 | Handle             | ACCMS10S129 |
| 97  | Jumper Wire         | ACCMS10S097 | 130 | Capacitor          | ACCMS10S130 |
| 98  | Pan Hd Screw        | ACCMS10S098 | 131 | Inductance         | ACCMS10S131 |
| 99  | Lock Washer         | ACCMS10S099 | 132 | Switch             | ACCMS10S132 |
| 100 | Guard Release Lever | ACCMS10S100 | 133 | Retainer           | ACCMS10S133 |
| 101 | Pan Hd Screw        | ACCMS10S101 | 134 | Screw              | ACCMS10S134 |
| 102 | Spring              | ACCMS10S102 | 135 | Cable Shroud       | ACCMS10S135 |
| 103 | Fixed Guard         | ACCMS10S103 | 136 | Cable w/Plug       | ACCMS10S136 |
| 104 | Ext Ret Ring        | ACCMS10S104 | 137 | Handle Cover       | ACCMS10S137 |
| 105 | Rubber Jacket       | ACCMS10S105 | 138 | Handle             | ACCMS10S138 |
| 106 | Locking Pin         | ACCMS10S106 | 139 | Screw              | ACCMS10S139 |
| 107 | Pan Hd Screw        | ACCMS10S107 | 140 | Screw              | ACCMS10S140 |

# PARTS DIAGRAM - CMS12S



## PARTS LIST - CMS12S

| No. | Description         | Part No.    | No. | Description       | Part No.    |
|-----|---------------------|-------------|-----|-------------------|-------------|
| 1   | Work Support        | ACCMS12S001 | 50  | Shaft             | ACCMS12S050 |
| 2   | Butterfly Screw     | ACCMS12S002 | 51  | Spring            | ACCMS12S051 |
| 3   | Rubber Foot         | ACCMS12S003 | 52  | Back Fence        | ACCMS12S052 |
| 4   | Base                | ACCMS12S004 | 53  | Lock Washer       | ACCMS12S053 |
| 5   | Hex Hd Screw        | ACCMS12S005 | 54  | Hex Hd Screw      | ACCMS12S054 |
| 6   | Table Bearing Plate | ACCMS12S006 | 55  | Butterfly Screw   | ACCMS12S055 |
| 7   | Table               | ACCMS12S007 | 56  | Shaft             | ACCMS12S056 |
| 13  | Pointer             | ACCMS12S013 | 57  | Plate             | ACCMS12S057 |
| 22  | Lock Nut            | ACCMS12S022 | 58  | Securing Knob     | ACCMS12S058 |
| 23  | Pin                 | ACCMS12S023 | 59  | Pan Hd Screw      | ACCMS12S059 |
| 24  | Scale               | ACCMS12S024 | 60  | Clamp Base        | ACCMS12S060 |
| 25  | Double Screw        | ACCMS12S025 | 61  | Flat Washer       | ACCMS12S061 |
| 26  | Hex Screw           | ACCMS12S026 | 62  | Socket Wrench     | ACCMS12S062 |
| 27  | Nut                 | ACCMS12S027 | 63  | Screw             | ACCMS12S063 |
| 28  | Spring              | ACCMS12S028 | 64  | Outer Flange      | ACCMS12S064 |
| 29  | Slide Locking Knob  | ACCMS12S029 | 65  | Blade             | ACCMS12S065 |
| 30  | Flat Washer         | ACCMS12S030 | 66  | Ring              | ACCMS12S066 |
| 31  | Locknut             | ACCMS12S031 | 67  | Inner Flange      | ACCMS12S067 |
| 32  | End Plug            | ACCMS12S032 | 68  | Pan Hd Screw      | ACCMS12S068 |
| 33  | Spring              | ACCMS12S033 | 69  | Bearing Cover     | ACCMS12S069 |
| 34  | Bevel Locking Lever | ACCMS12S034 | 70  | Arbor             | ACCMS12S070 |
| 35  | Nut                 | ACCMS12S035 | 71  | Key               | ACCMS12S071 |
| 36  | Rubber Bung         | ACCMS12S036 | 72  | Bearing           | ACCMS12S072 |
| 37  | Bracket             | ACCMS12S037 | 73  | Bearing Housing   | ACCMS12S073 |
| 38  | Mitre Point         | ACCMS12S038 | 74  | Gear              | ACCMS12S074 |
| 39  | Pan Hd Screw        | ACCMS12S039 | 75  | Ring              | ACCMS12S075 |
| 40  | Butterfly Screw     | ACCMS12S040 | 76  | Bearing           | ACCMS12S076 |
| 41  | Lock Button         | ACCMS12S041 | 77  | Upper Blade Guard | ACCMS12S077 |
| 42  | Main Bracket        | ACCMS12S042 | 78  | Screw             | ACCMS12S078 |
| 43  | Hex Hd Screw        | ACCMS12S043 | 79  | Baffle            | ACCMS12S079 |
| 44  | Depth Adjuster      | ACCMS12S044 | 80  | Screw             | ACCMS12S080 |
| 45  | Washer              | ACCMS12S045 | 81  | Rubber Baffle     | ACCMS12S081 |
| 46  | Screw               | ACCMS12S046 | 82  | Label             | ACCMS12S082 |
| 47  | Tube                | ACCMS12S047 | 83  | Nut               | ACCMS12S083 |
| 48  | Tube Bearing        | ACCMS12S048 | 84  | Hex Hd Screw      | ACCMS12S084 |
| 49  | Cover               | ACCMS12S049 | 85  | Hex Skt Hd Screw  | ACCMS12S085 |

## PARTS LIST - CMS12S cont.

| No. | Description         | Part No.    | No. | Description        | Part No.    |
|-----|---------------------|-------------|-----|--------------------|-------------|
| 86  | Nut                 | ACCMS12S086 | 121 | Link               | ACCMS12S121 |
| 87  | Bearing             | ACCMS12S087 | 122 | Flat Washer        | ACCMS12S122 |
| 88  | Compression Spring  | ACCMS12S088 | 123 | Lock Washer        | ACCMS12S123 |
| 89  | Locking Lever       | ACCMS12S089 | 124 | Pan Hd Screw       | ACCMS12S124 |
| 90  | Jacket              | ACCMS12S090 | 125 | Brush Holder Cover | ACCMS12S125 |
| 91  | Armature            | ACCMS12S091 | 126 | Brush Holder       | ACCMS12S126 |
| 92  | Carbon Brush        | ACCMS12S092 | 127 | Motor Housing      | ACCMS12S127 |
| 93  | Bearing             | ACCMS12S093 | 128 | Lable              | ACCMS12S128 |
| 94  | Fan Baffle          | ACCMS12S094 | 129 | Handle             | ACCMS12S129 |
| 95  | Screw               | ACCMS12S095 | 130 | Gear               | ACCMS12S130 |
| 96  | Stator              | ACCMS12S096 | 131 | Washer             | ACCMS12S131 |
| 97  | Jumper Wire         | ACCMS12S097 | 132 | Foot               | ACCMS12S132 |
| 98  | Pan Hd Screw        | ACCMS12S098 | 133 | Washer             | ACCMS12S133 |
| 99  | Lock Washer         | ACCMS12S099 | 134 | Washer             | ACCMS12S134 |
| 100 | Guard Release Lever | ACCMS12S100 | 135 | Ball               | ACCMS12S135 |
| 101 | Pan Hd Screw        | ACCMS12S101 | 136 | Spring             | ACCMS12S136 |
| 102 | Spring              | ACCMS12S102 | 137 | Pin                | ACCMS12S137 |
| 103 | Fixed Guard         | ACCMS12S103 | 138 | Spring             | ACCMS12S138 |
| 104 | Ext Ret Ring        | ACCMS12S104 | 139 | Screw              | ACCMS12S139 |
| 105 | Rubber Jacket       | ACCMS12S105 | 140 | Pad                | ACCMS12S140 |
| 106 | Locking Pin         | ACCMS12S106 | 141 | Ring               | ACCMS12S141 |
| 107 | Pan Hd Screw        | ACCMS12S107 | 142 | Handle             | ACCMS12S142 |
| 108 | Dust Chute          | ACCMS12S108 | 143 | Capacitor          | ACCMS12S143 |
| 109 | Dust Bag            | ACCMS12S109 | 144 | Inducter           | ACCMS12S144 |
| 110 | Pan Hd Screw        | ACCMS12S110 | 145 | Switch             | ACCMS12S145 |
| 111 | Lock Washer         | ACCMS12S111 | 146 | Cable Plate        | ACCMS12S146 |
| 112 | Flat Washer         | ACCMS12S112 | 147 | Screw              | ACCMS12S147 |
| 113 | Lower Guard         | ACCMS12S113 | 148 | Cable Shroud       | ACCMS12S148 |
| 114 | Spring              | ACCMS12S114 | 149 | Cable Cord w/plug  | ACCMS12S149 |
| 115 | Pan Hd Screw        | ACCMS12S115 | 150 | Handle Assy        | ACCMS12S150 |
| 116 | Plate               | ACCMS12S116 | 151 | Upper Handle       | ACCMS12S151 |
| 117 | Plate               | ACCMS12S117 | 152 | Screw              | ACCMS12S152 |
| 118 | Screw               | ACCMS12S118 | 153 | Screw              | ACCMS12S153 |
| 119 | Screw               | ACCMS12S119 | 154 | Screw              | ACCMS12S154 |
| 120 | Ring                | ACCMS12S120 |     |                    |             |

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## DECLARATION OF CONFORMITY

We declare that this product complies to the following standards/directives:

■ **98/37/EEC**

Product Description: **COMPOUND MITRE SAW**

Model Number: **CMS10S & CMS12S**

Serial (Batch) No: **See Product Data Plate**

Signed   
D Kemp  
Engineering Manager

**Clarke**<sup>®</sup> INTERNATIONAL  
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