SEALEY POWER TOOLS

INSTRUCTIONS FOR:
HEAVY DUTY SDS HAMMER DRILL
Model: **SDS1010.V2**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

IMPORTANT
PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY. ❒ WARNING! It is the user's responsibility to read, understand and comply with the following: You must check all electrical equipment and appliances to ensure they are safe before using. You must inspect power supply leads, plugs and all electrical connections for wear and damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD together with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a professional electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. ***You must*** also read and understand the following instructions concerning electrical safety.

1.1.1. The ***Electricity At Work Act 1989*** requires all portable electrical appliances, if used on business premises, to be tested by a qualified Electrician at least once a year by using a Portable Appliance Tester (PAT).

1.1.2. The ***Health & Safety at Work Act 1974*** makes owners of electrical appliances responsible for the safe condition of the appliance, and the safety of the appliance operator. ***If in doubt about electrical safety, contact a qualified electrician.***

1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).

1.1.4. Ensure that cables are always protected against short circuit and overload.

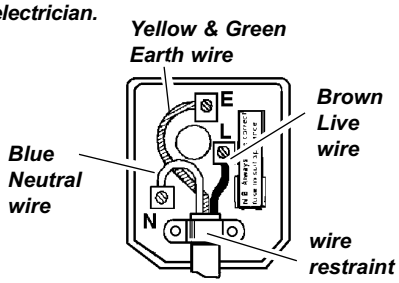
1.1.5. Regularly inspect power supply, leads, plugs and all electrical connections for wear and damage, especially power connections, to ensure that none are loose.

1.1.6. ***Important:*** Ensure the voltage marked on the product is the same as the electrical power supply to be used, and check that plugs are fitted with the correct capacity fuse. A 13Amp plug may require a fuse smaller than 13Amps for certain products (*subject to 1.1.10. below)* see fuse rating at right.

1.1.7. DO NOT pull or carry the powered appliance by its power supply lead.

1.1.8. DO NOT pull power plugs from sockets by the power cable.

1.1.9. DO NOT use worn or damage leads, plugs or connections. Immediately replace or have repaired by a qualified Electrician. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (discard old plug safely).
(UK only - see diagram at right). ***Ensure the unit is correctly earthed via a three-pin plug.***
a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
b) Connect the BROWN live wire to live terminal 'L'.
c) Connect the BLUE neutral wire to the neutral terminal 'N'.
After wiring, check there are no bare wires, that all wires have been correctly connected and that the wire restraint is tight.
Double insulated products are often fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with this symbol ⧈ . ***To re-wire, connect the brown & blue wires as indicated above. DO NOT*** *connect the brown or blue to the earth terminal.*



FUSE RATING
THIS PRODUCT MUST BE FITTED WITH A:
13 Amp FUSE

1.1.10. **Cable extension reels**. When a cable extension reel is used it should be fully unwound before connection. A cable reel with an RCD fitted is recommended since any product which is plugged into the cable reel will be protected. The section of the cable on the cable reel is important. We recommend that at least 1.5mm² section cable but to be absolutely sure that the capacity of the cable reel is suitable for this product and for others that may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2 GENERAL SAFETY

✓ Disconnect the drill from the mains power before changing accessories, servicing or performing any maintenance.
✓ Maintain the drill in good condition. Check moving parts alignment, and keep drill bits sharp. If necessary use an authorised service agent.
✓ Replace or repair damaged parts. *Use genuine parts only. Non authorised parts may be dangerous and will invalidate the warranty.*
✓ Keep the drill clean for best and safest performance. Keep the ventilation slots clear.
✓ Wear approved safety eye and ear protection and if dust is generated a dust mask. Rubber gloves are recommended when using out doors, and safety gloves when drilling items such as steel, brick work etc. Ensure you only hold the drill by the plastic handles.
✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
✓ Use drill in an adequate working area for its function, keep area clean and tidy and free from unrelated materials. Ensure good lighting.
✓ Prevent body contact with grounded surfaces to avoid electric shock i.e. pipes, radiators, ranges, refrigerators etc.
✓ Prolonged exposure to vibration from the drill poses a health risk. It is the operator's responsibility to correctly assess the potential hazard and follow/issue guidelines for safe periods of use and use/offer suitable protective equipment.
✓ Evaluate your working area before using the drill i.e. ceiling, floors and enclosures may contain hidden electrical items or water piping.
✓ The side handle should always be attached for use. When the standard chuck is used, ensure the key is removed before starting the drill.
✓ When not in use switch drill off, remove power plug, clean and store in carry case and place in a safe, dry, child proof location.
✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
✓ Keep children and non essential persons away from the working area.
✓ Use correctly rated drill and chisel bits, with the the correct connection type.
✓ Secure non stable work piece with a clamp, vice or other adequate holding device.
✗ DO NOT force drill to achieve a task its not designed for.
✗ DO NOT operate drill where there are flammable liquids or gases.
✗ DO NOT use drill if parts are damaged or missing as this may cause failure and/or personal injury.
✗ DO NOT get the drill wet or use in damp or wet locations.
✗ DO NOT hold unsecured work in your hand and avoid unintentional starting.
✗ DO NOT leave the drill running whilst unattended.
✗ DO NOT carry the drill with your finger on the power switch.
✗ DO NOT use drill when you are tired, under the influence of alcohol, drugs or intoxicating medication.

2. INTRODUCTION & SPECIFICATIONS

The SDS1010 is equipped with the SDS drill bit locking system to hold bits safely in place whilst working and to enable swift bit changing. The drill has thee separate functions. 1. To drill without hammer action. 2. To drill with hammer action. 3. Hammer action only for use with chisels. The drill can also be fitted with a standard chuck that may be used for more conventional tasks.

Specification SDS1010

Input power 1010W
Power supply . . . . . .230 Volt
Conventional Drill chuck capacity 13mm
Speed at no load 780rpm
Hammer action 3750bpm
Maximum capacity for steel 13mm
Maximum capacity for concrete 32mm
Maximum capacity for wood 40mm
Approx weight (with drill-holder) 5.8kg
Acoustic capacity 96.0dB
Sound intensity 96.5dB
Vibration level . . . . . .27m/s^2
Mains lead 2.4mtr

COMPONENT LIST Figure 2.

1 x Chuck spindle (E)
1 x Conventional chuck 13mm (F)
1 x Chuck locking screw (G)

Items not illustrated.

1 x Chuck key
1 x Tub of grease
3 x SDS drill bits 12,18,26mm
1 x Point chisel
1 x Flat chisel

COMPONENT LIST Figure 1.

1. Drill bit
2. Dust cup
3. Spindle lock
4. Side handle collar
5. Side handle
6. Depth stop
7. Rotation on/off selector
8. Hammer action on/off selector
9. Power On/Off trigger
10. Motor brush cover release screw
11. Depth stop clamp knob.
12. Motor brush outer cover
13. Top cover
14. Top cover fixing bolts (6)
15. Handle fixing bolts (2)

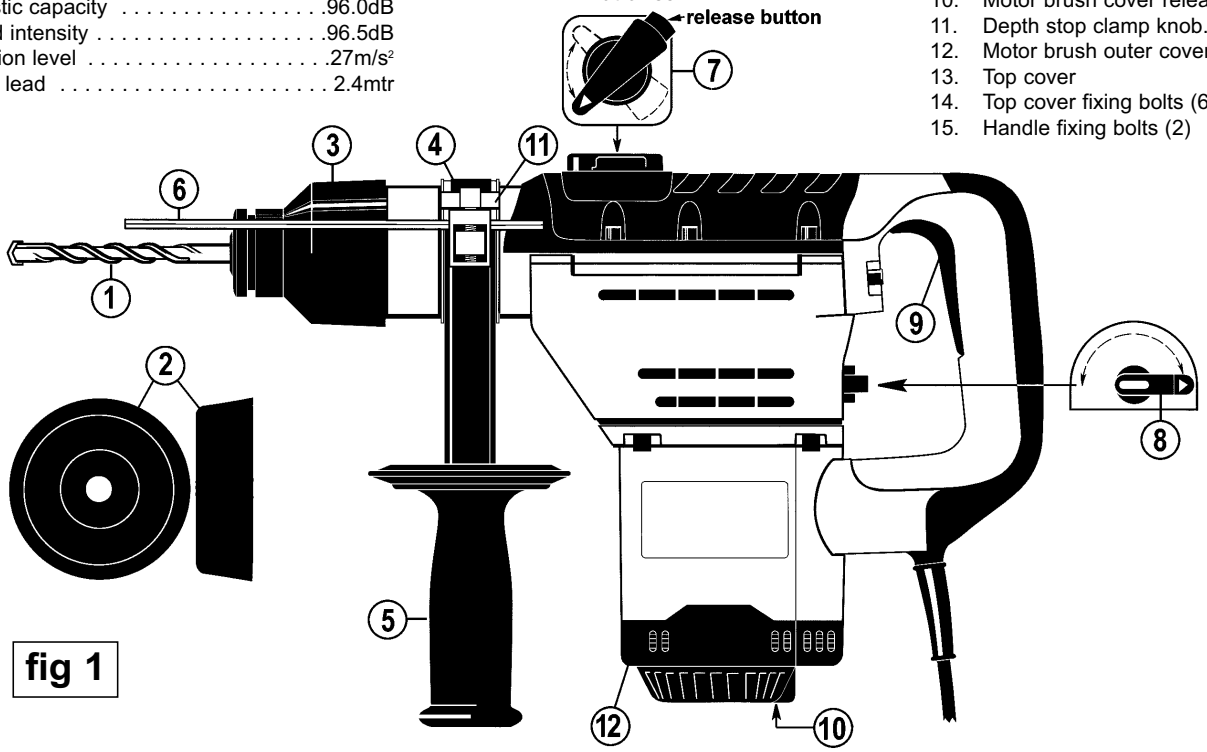


fig 1

3. INSTRUCTIONS FOR USE

3.1. PREPARING DRILL FOR USE.

❒ ***WARNING! Unplug the drill from the mains power supply before proceeding.***

3.1.1. **Positioning the side handle.** The side handle (fig 1-5) may be placed at any angle around the drill collar in order to reduce fatigue and gain greater control over the drill. To reposition handle, loosen the grip by unscrewing it anti-clockwise. Swivel the handle to the required angle and lock it again by screwing the grip clockwise until tight. Check that the collar (fig 1-4) is tight and that the handle does not move.

3.1.2. **Inserting a drill bit/chisel.** Select an appropriate drill bit (or chisel) for the task. Check that it is clean and sharp. Lightly lubricate the shank of the bit, pull drill spindle lock (fig 2-A) back and hold. Insert bit into the spindle carrier and turn the bit until it drops fully into place. Release the spindle lock and check that the bit is firmly held in place (fig 2-B). To remove the bit pull back and hold the spindle lock and lift the bit out.

3.1.3. **Fitting the dust cup.** The dust cup (fig 2-C) is mainly used when drilling vertically upwards and will collect a proportion of the dust and debris generated that might otherwise enter the spindle lock or ventilation on the drill. To use the dust cup attach the appropriate bit and then push the cup onto the bit shaft. Ensure the cup bowl shape is facing toward the tip of the bit.

3.1.4. **Fitting the depth stop.** To fit the depth stop (fig1-6), loosen the depth stop clamping knob (fig1-11) attached to the handle moulding. When the clamp has opened sufficiently push the stop bar through the clamp moulding. Set the stop at the required depth and retighten the clamp. Note: The distance set between the end of depth stop and the end of drill will determine how deep the hole will be.

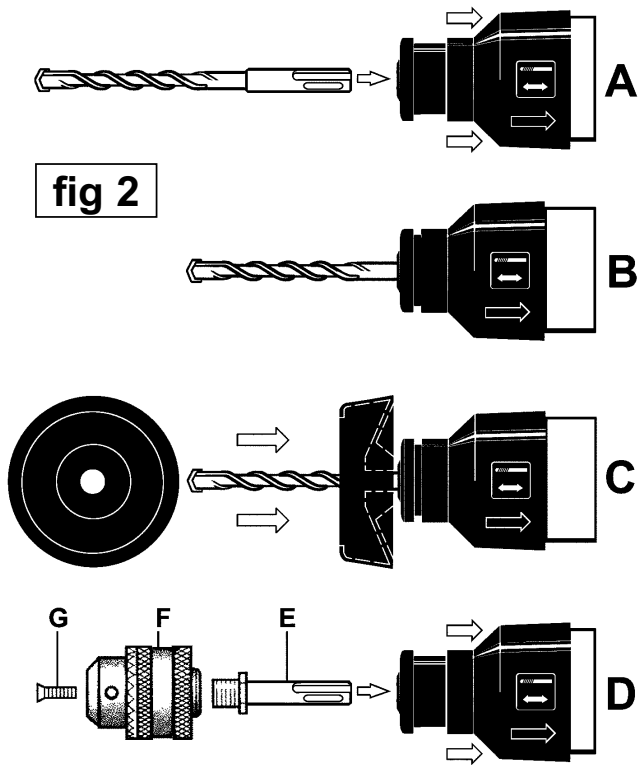


fig 2

3.2. FITTING THE CONVENTIONAL DRILL CHUCK (See fig.2-D)

❒ ***WARNING! Unplug from the mains power supply before assembling chuck.***

3.2.1. Fit the conventional drill chuck (fig.2-F) by screwing it onto chuck spindle (E). Open chuck jaws and lock the chuck with screw (G). NOTE: The screw has a left-hand thread and must be turned anti-clockwise to tighten.

3.2.2. Fit the chuck spindle (E) into the spindle lock as described in section 3.1.2.

3.2.3. Insert the drill bit into the three jaw chuck ensuring that it is centrally located and fully tighten with the chuck key.

❒ ***WARNING! ensure you remove the chuck key before starting the drill.***

▲ ***CAUTION! To avoid overloading the motor when using the chuck in the hammer mode, DO NOT apply a too heavy pressure. DO NOT USE CHISELS OR 'HAMMER' MODE ONLY when using the conventional chuck, as chuck will be damaged.***

3.3. SELECTION OF OPERATIONAL MODES

3.3.1 **Control of hammer action.** The hammer action can be switched on or off by means of the lever selector on the back of the drill (See fig.1-8). With the selector in the 9 o'clock position the hammer action is active. With the selector in the 3 o'clock position the hammer action is off.

3.3.2 **Rotation on/off selection.** The rotation on/off selector knob situated on the top of the drill (see fig.1-7) is used to deactivate the rotation of the drill when the unit is to be used with a chisel, where only the hammer action is required. With the knob pointing to the left the drill bit will be rotated. With the knob pointing to the right, rotation is deactivated. To change the position of the knob you must press and 'hold in' the release button at the back of the knob before rotating the knob to the other position. (See fig.1- 7).

3.3.3 **These two controls are used in combination to select the three operational modes of the drill as shown in fig.3.**

3.3.4 **Drill with hammer action.** Position both selectors as shown in fig.3-X

3.3.5 **Hammer action only. (For use with a chisel)** Position both selectors as shown in fig.3-Y

3.3.6 **Drill without hammer action.** Position both selectors as shown in fig.3-Z

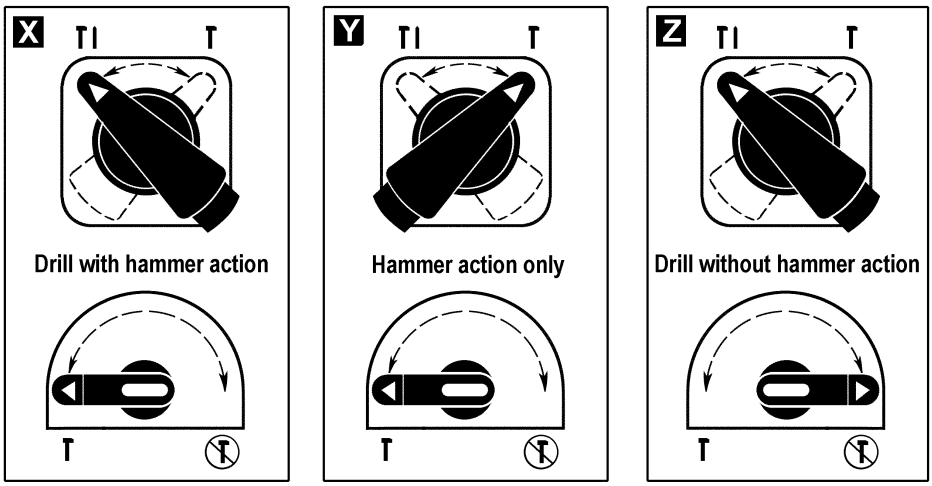


fig 3

4. INSTRUCTIONS FOR APPLICATION

❒ ***WARNING! ensure you wear approved safety goggles and any other safety items required for the job. If using conventional chuck, remove the chuck key before using the drill. Also ensure that all other safety requirements are followed.***

❒ ***WARNING! In all cases below, be prepared for drill binding or break through. When these situations occur the drill has a tendency to grab and kick in the opposite direction and could cause loss of control. If you are not prepared this can result in possible damage and/or personal injury. Where possible, place a wooden block under metal work piece at the point where the drill will break through.***

4.1. DRILLING MASONRY, BRICK, STONE, ROCK OR CONCRETE.
The hammer action can be used if required on brick, stone, rock or concrete.

4.1.1. Ensure drill is unplugged from the mains power supply.

4.1.2. Place the dust cup on the drill piece.

4.1.3. If the material to be drilled is not fixed in place, it should be secured in a vice or with clamps to keep it from turning as the drill bit rotates.

4.1.4. If the surface is smooth, create a guide groove at the point of hole location. This will prevent bit from slipping as you start to drill. Alternatively, drill a pilot hole to assist the final drill size through the work piece. Lock a pilot drill into the chuck (a smaller size drill than finished hole size, you may need to use standard chuck), and drill a pilot hole. Insert the final sized bit into appropriate chuck or locking collar. In addition to other safety items also wear an appropriate dust mask.

4.1.5. To increase drill penetration switch the hammer action on. Set the control selectors according to fig.3-X.

4.1.6. Plug drill into mains power supply and hold drill firmly, placing the bit at the entrance of the pilot hole, or at the point to be drilled.

4.1.7. Depress the trigger to start drill. Move the drill bit into the work piece applying only enough pressure to keep the bit cutting. DO NOT force the drill or apply side pressure to elongate the hole. Allow the hammer action to progress the hole. Occasionally remove the drill to expel dust from the hole.

4.1.8. If the bit jams in the work piece or if the drill stalls, release the trigger immediately. Remove the bit from the work piece and determine the reason for jamming.

4.1.9. The depth gauge may be used to pre-determine the depth of hole.

4.2. CHISEL .... USE on MASONRY, BRICK, STONE, ROCK OR CONCRETE.

❒ **WARNING! DO NOT USE DRILL MODE, use hammer action only. DO NOT USE WITH CONVENTIONAL CHUCK.**

4.2.1. Ensure drill is unplugged from the mains power supply.

4.2.2. Place the dust cup on the chisel bit.

4.2.3. Set the control selectors according to fig.3-Y

4.2.4. Plug drill into mains power supply and hold drill firmly placing the chisel bit on the area of proposed impact.

4.2.5. Depress the trigger to start and progress the task accordingly.

4.3. DRILLING WOOD AND PLASTIC.
DO NOT use the hammer action when drilling wood or plastic materials.

4.3.1. Ensure drill is unplugged from the mains power supply.

4.3.2. If the material to be drilled is not fixed in place, it should be secured in a vice or with clamps to keep it from turning as the drill bit rotates.

4.3.3. A pilot hole may be necessary to assist the final drill size through the work piece.

Lock a pilot drill into the chuck (a smaller size drill than finished hole size, you may need to use standard chuck), and drill a pilot hole. Insert the final sized bit into appropriate chuck or locking collar.

4.3.4. Plug drill into mains power. Hold drill firmly placing the bit at entrance of the pilot hole, or hole location mark and depress the trigger.

4.3.5. Move the drill bit into the work piece applying only enough pressure to keep the bit cutting. DO NOT force the drill or apply side pressure to elongate the hole.

4.3.6. Great care must be taken when drilling plastic to avoid cracking the work piece.

4.3.7. If the bit jams in the work piece or if the drill stalls, release the trigger immediately. Remove the bit from the work piece and determine the reason for jamming.

4.3.8. The depth gauge may be used to pre-determine the depth of hole.

4.4. DRILLING METAL.

DO NOT use the hammer action when drilling metal.

4.4.1. Ensure drill is unplugged from the mains power supply.

4.4.2. If the material to be drilled is not fixed in place, it should be secured in a vice or with clamps to keep it from turning as the drill bit rotates.

4.4.3. Use a centre punch to mark desired hole location. This will prevent bit from slipping as you start to drill. Alternatively, drill a pilot hole to assist the final drill size through the work piece. Lock a pilot drill into the chuck (a smaller size drill than finished hole size, you may need to use standard chuck), and drill a pilot hole. Insert the final sized bit into appropriate chuck or locking collar.

4.4.4. When drilling metals, use a light oil on the drill bit to keep it from overheating. Oil will prolong life of bit and improve the drilling action. If possible, place a wooden block under metal work piece at the point where the drill will break through.

4.4.5. Plug drill into mains power supply and hold drill firmly placing the bit at the entrance of the pilot hole.

4.4.6. Depress the trigger to start drill. Move the drill bit into the work piece applying only enough pressure to keep the bit cutting. DO NOT force the drill or apply side pressure to elongate the hole.

4.4.7. If the bit jams in the work piece or if the drill stalls, release the trigger immediately. Remove the bit from the work piece and determine the reason for jamming.

4.4.8. The depth gauge may be used to pre-determine the depth of hole.

4.5. WORK COMPLETE

❒ ***WARNING! drill bits become very hot during use. Allow to cool or hold with a cloth for removal.***

When you have finished working, unplug from the mains power supply, remove the bit from the chuck, clean drill, clean and if necessary sharpen the tool bits. Store drill in its carry case and place in a safe, dry, childproof area.

5. MAINTENANCE

WARNING! Ensure the drill is disconnected from the mains power supply before attempting any maintenance.

5.1. Cleaning

Keep drill ventilation slots clean and free from obstructions. At the end of work, thoroughly clean the air vents with a dry brush. If available blow compressed air into the vents to clear any internal dust (safety goggles must be warn when undertaking this process). Keep outer case of the drill clean and free from grease. DO NOT wash with water, solvents or use abrasives. Only wipe with a damp soft cloth.

5.2. Lubrication

Keep the shanks of drill bits and chisels lightly lubricated. Periodically pull back the drill spindle lock and and apply grease to the outside of the bit holder. (See fig.2-A) The hammer mechanism should be greased regularly depending on frequency of use. To access the lubrication area remove the six socket cap bolts (see fig.1-14) holding the black top cover in place (see fig.1-13). To aid easy removal and replacement of the top cover also loosen the two socket cap bolts holding the upper end of the handle (see fig.1-15) and ease it back slightly so that it no longer covers the rear edge of the black cover. Lift the cover off to reveal the mechanism taking care not to disturb the gasket that seals the lubrication area. Replace the grease with a fresh quantity from the tub of grease supplied. Carefully replace the cover ensuring that the gasket is properly seated and secure with the six socket cap bolts. Retighten the two bolts at the top of the handle. If these components are not correctly greased the drill may seize causing permanent damage, and invalidating your warranty.

5.3. Changing carbon brushes

Periodically check the carbon brushes for wear. To access the brush covers it will first be necessary to remove the black cover from the base of the motor moulding (fig.1-12). Undo the cover retaining screw (fig.1-10) with a large screwdriver until it becomes loose. (There is no need to completely remove the screw.) Slide the black cover off the motor moulding to reveal the two brush retaining covers situated on either side of the motor. Unscrew the covers and check and clean the brushes. If worn or damaged replace with new brushes. Contact your local Sealey dealer for details. Check that the brushes can move freely and replace covers. Replace the black cover onto the end of the motor moulding and tighten the retaining screw.

5.4. OTHER

Any other service or maintenance must be carried out by your local Sealey service agent.

Declaration of Conformity We, the sole importer into the UK, declare that the product listed below is in conformity with the following EEC standards and directives.

Hammer Drill
Model SDS1010.V2
73/23/EEC Low Voltage Directive
89/336/EEC EMC Directive
93/68/EEC CE Marking Directive

CE

The construction file for this product is held by the Manufacturer and may be inspected by a national authority upon request to Jack Sealey Ltd

Signed by Mark Sweetman  20th February 2003

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Tools.

NOTE: *It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.*

IMPORTANT: No liability is accepted for incorrect use of this product. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** Call 01284 757525 for our catalogue & promotions. Leave your full name, address & postcode.

SEALEY POWER TOOLS

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