



# WORX



## **SAFETY AND OPERATING MANUAL**

**Rotary hammer**

**WX333**

# SAFETY INSTRUCTIONS



**WARNING: Read all safety warnings and all instructions.**

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

## **Save all warnings and instructions for future reference.**

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### **1. Work area safety**

- a) Keep work area clean and well lit.**  
Cluttered or dark areas invite accidents.
- b) 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.
- c) Keep children and bystanders away while operating a power tool.**  
Distractions can cause you to lose control.

### **2. Electrical safety**

- a) 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.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.**  
There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord**

**suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

- f) Recommendation for the use of a residual current device with a rated residual current of 30 mA or less.**
- ### **3. Personal safety**
- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
  - b) Use personal protective equipment. Always wear eye protection.**  
Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
  - c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
  - d) Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
  - e) Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
  - f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
  - g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust-related hazards.

#### 4. Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

#### 5. Battery tool use and care

- a) **Ensure the switch is in the off position before inserting battery**

**pack.** Inserting the battery pack into power tools that have the switch on invites accidents.

- b) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack.
- c) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- d) **When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screw, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or fire.
- e) **Under abusive conditions, liquid may be ejected from the battery; avoid contact, if contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

#### 6. Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that that safety of the power tool is maintained.

## ADDITIONAL SAFETY POINTS FOR YOUR ROTARY HAMMER

1. Wear ear protectors when using rotary hammer. Exposure to noise can cause hearing loss.
2. Use auxiliary handles supplied with the tool. Loss of control can cause personal injury.
3. Safety boots are recommended at all times especially when using the chisel actions.
4. Proper safety gloves are also recommended.
5. When using chisel a dust mask is

necessary because of the cement dust created by the action.

6. Always check walls and ceiling to avoid hidden power cables and pipes. A metal detector can be obtained from any good DIY store for this purpose.
7. Use clamps or a vice to hold workpiece, if possible.
8. This heavy duty high torque machine should not be used, while standing on a ladder.
9. Before starting to work always check that the chisel or drill bit is properly locked in the chuck.
10. Hold the tool firmly with both hands while working and provide for secure footing. The tool is more securely guided with both hands.
11. Wait until the machine has come to a standstill before placing it down. The insertion tool can be come caught and lead to loss of control over the machine.
12. The screw of machine can come loose easily, and causing a breakdown or accident. Check tightness of screw carefully before operation.
13. Do not touch the bit or parts close to the bit immediately after operation. They may be extremely hot and could burn your skin.
14. In cold weather or when the tool has not been used for a long time. Let the tool warm up for a while by operating it under no load. This will loosen up the lubrication.
15. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.

## TORQUE LIMITER

There is a clutch in your hammer drill.

The torque limiter will actuate when a certain torque level is reached. The motor will disengage from the output shaft. When this happens, the bit will stop turning.

As soon as the torque limiter actuates, switch off the tool immediately. This will help prevent premature wear of the tool.

## SYMBOLS



To reduce the risk of injury, user must read instruction manual



Warning



Double insulation



Wear eye protection



Wear ear protection

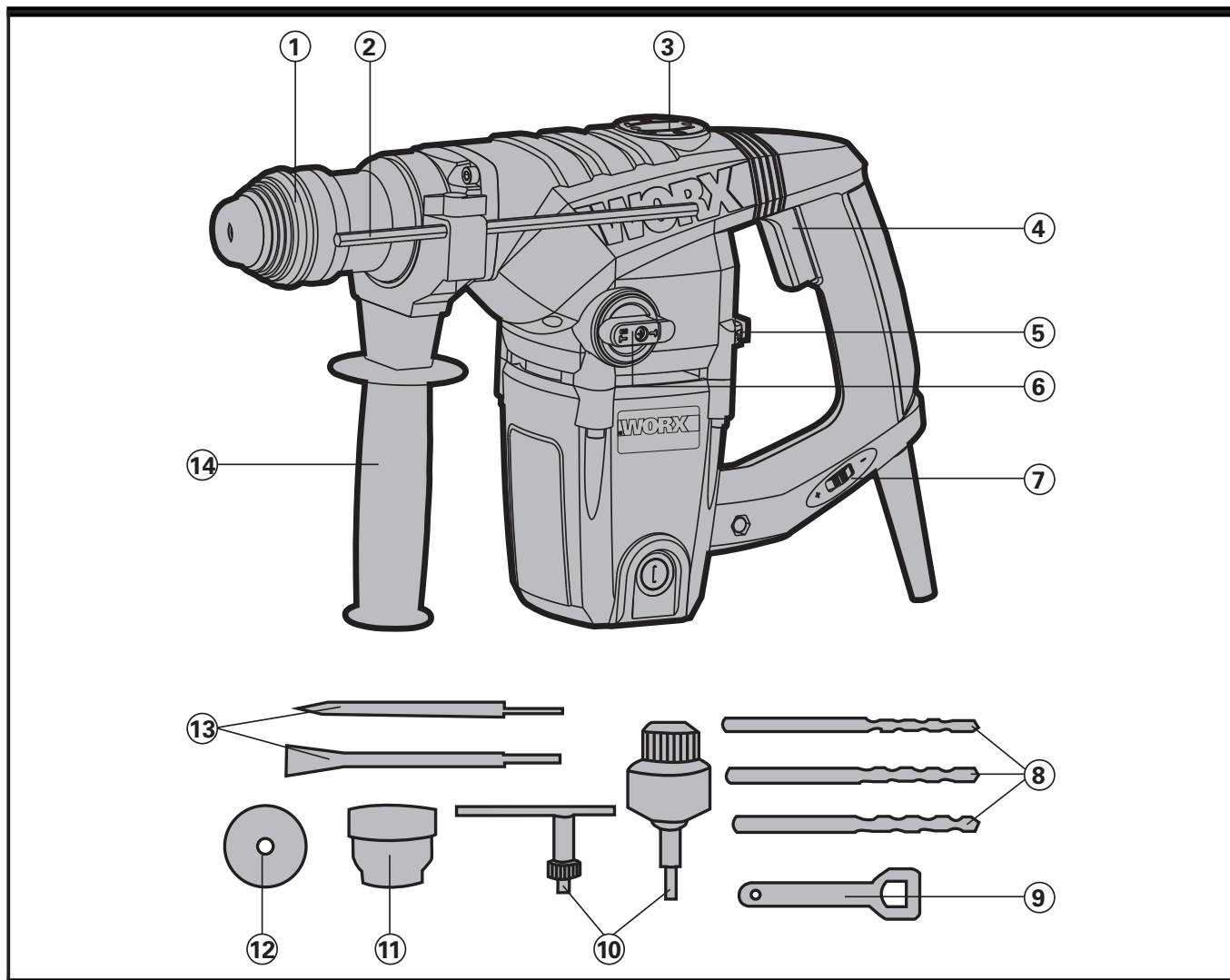


Wear dust mask



RCM marking

5112



- 1. LOCKING SLEEVE**
- 2. DEPTH GAUGE**
- 3. GREASE BOX COVER**
- 4. ON / OFF SWITCH**
- 5. HAMMER OR DRILLING ACTION SELECTOR SWITCH**
- 6. HAMMER OR CHISEL ACTION SELECTOR SWITCH**
- 7. VARIABLE SPEED CONTROL**
- 8. SDS DRILL BITS\***
- 9. SPANNER**
- 10. KEY CHUCK WITH ADAPTOR, CHUCK KEY\***
- 11. PLASTIC CONTAINER GREASE\***
- 12. DUST COVER\***
- 13. CHISELS (POINT & FLAT)\***
- 14. AUXILIARY HANDLE**

\* Not all the accessories illustrated or described are included in standard delivery.

# TECHNICAL DATA

Rated voltages	220V-240V~50Hz/60Hz	
Rated power	1250W	
No load speed	0-750/min	
Impact rate	0-3700/min	
Rated impact energy	5.0J	
Chuck type	SDS-plus	
Drilling capacity	Masonry	32mm
	Steel	13mm
	Wood	40mm
Protection class	□/II	
Weight	6.1kg	

# NOISE / VIBRATION INFORMATION

A weighted sound pressure	89.6 dB(A)
Uncertainty	3 dB(A)
A weighted sound power	100.6 dB(A)
Uncertainty	3 dB(A)
Vibration total values (triax vector sum) determined according to EN60745:	
Hammer drilling into concrete	Vibration emission value $\alpha_{h,HD}=17.426 \text{ m/s}^2$
Chiselling	Vibration emission value $\alpha_{h,ChEq}=14.329 \text{ m/s}^2$
	Uncertainty $K=1.5 \text{ m/s}^2$

# ACCESSORIES

<b>Auxiliary handle</b>	<b>1</b>
<b>Depth gauge</b>	<b>1</b>
<b>SDS drill bits(8 10 12x150mm)</b>	<b>3</b>
<b>SDS Chisel(point&amp;flat 250mm)</b>	<b>2</b>
<b>Dust cover</b>	<b>1</b>
<b>Spanner</b>	<b>1</b>
<b>Key chuck with adaptor, chuck key</b>	<b>1</b>
<b>Plastic container grease</b>	<b>1</b>

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

# OPERATING INSTRUCTIONS

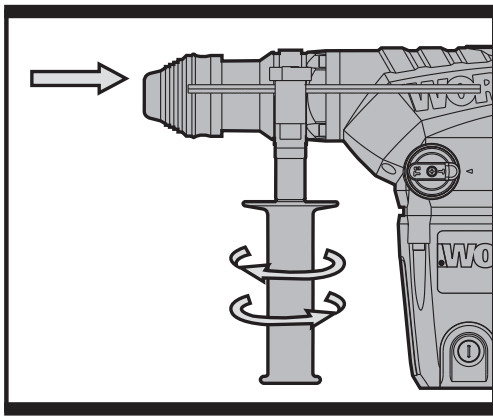


**NOTE:** Before using the tool, read the instruction book carefully.

## 1. ADJUSTING THE AUXILIARY HANDLE (See A)

For your personal safety we recommend using the auxiliary handle at all times.

To adjust the handle, rotate the bottom of the handle anti-clockwise and rotate the handle around the hammer collar until the handle is in the desired position. Tighten fully.

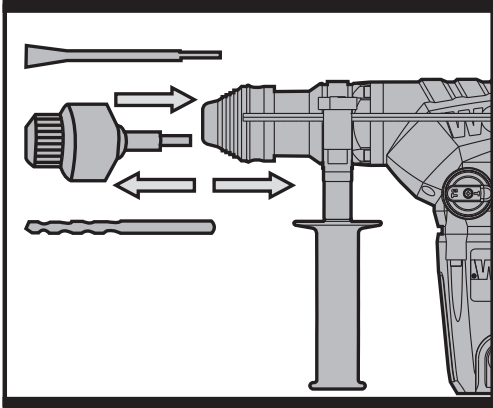


**A**

## 2. USING THE DEPTH GAUGE (See A)

The depth gauge can be used to set a constant depth to the drill.

Rotate the locking screw on the top of the handle anti-clockwise to loosen, insert the depth stop into the handle. Adjust it to the desired depth. Rotate the locking screw clockwise to tighten.



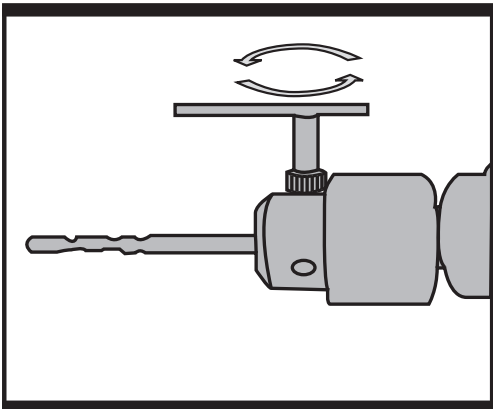
**B1**

## 3. FITTING BITS OR CHUCK (See B1)

Clean the bit shank and apply grease before installing the bit. Hold the rotary grip, pull back the lock sleeve and insert the bits or chuck into the bit holder. Turn the bit and push it in until a resistance is felt. The shaft drops completely into the bit holder. Once you are satisfied that it has been seated, release the black lock sleeve. This would lock the bits or chuck into position.

After installing, always make sure that the tool or chuck is securely held in the bit holder by trying to pull it out.

If the bits or chuck is not located well, repeat the operation again.



**B2**

## 4. REMOVE BITS OR KEY CHUCK (See B1)

To remove the tool or chuck, pull back the lock sleeve, hold and pull the tool or chuck out.

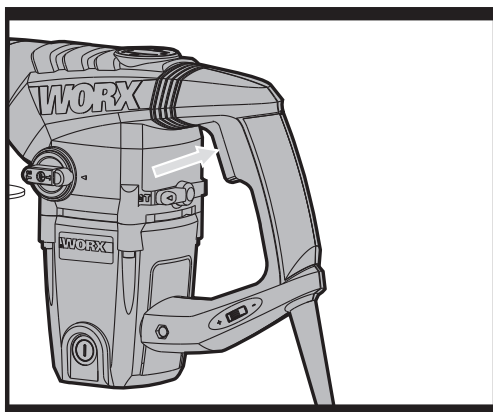
**NOTE:** The bits or chuck are gripped firmly by the shank and can not be removed once locked in position.

## 5. USING THE CHUCK

For added convenience, your rotary hammer drill now comes with a 3-jaw chuck. It enables you to work with non-SDS drill bits/tools.



**WARNING!** The 3-jaw chuck is designed for wood and metal DRILLING work only. NEVER use this chuck with rotary hammer or chisel. THIS



**C**

CHUCK CAN BE DAMAGED IF YOU DO SO.

### **Inserting a drill bit into chuck. (See B2)**

Before installing drill bit, remove mains plug from mains supply.

Place chuck key into chuck, turn key anti-clockwise to undo/loosen chuck, insert drill/tool and firmly tighten chuck by turning key clockwise. Remove key and replace in Blow Mould Case.


### **6. OPERATING THE ON/OFF SWITCH (See C)**

Depress the switch to start the tool and release it to stop your tool.


### **7. USING THE VARIABLE SPEED CONTROL (See D)**

The speed increases as you turn the switch towards the higher number and decreases on the lower number.


### **8. HAMMER DRILL FUNCTION (See E,F)**


1) For drilling concrete, masonry etc, press the lock button (A) and rotate the selector switch to make sign "  T " point to the triangle. (See E)

**NOTE:** You must press the selector switch lock button before adjusting the selector switch. If the selector switch cannot go into the required position, switch on your hammer a little, then adjust the selector switch again.



2) Turn the hammer or drilling action selector switch pointing to the hammer action "  T " position. (See F)  
3) You are now set up for hammer drilling into masonry.

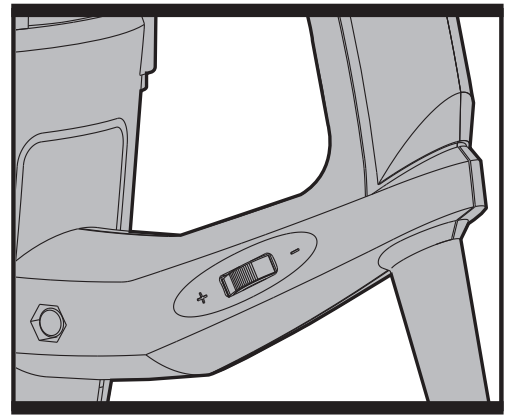
### **9. DRILLING FUNCTION (See G,H)**

1) Press the lock button (A) and rotate the selector switch to make sign "  T " point to the triangle. (See G)

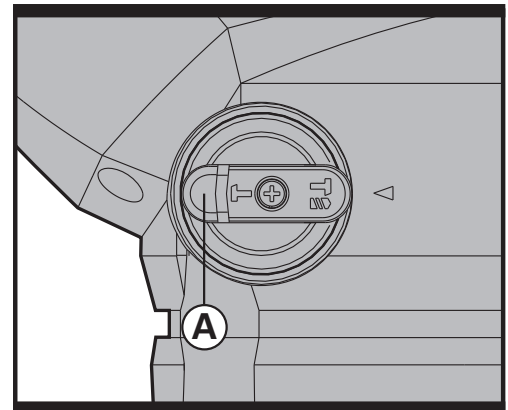
2) Turn the hammer or drilling action selector switch pointing to the drilling action "  " position. (See H)  
3) You are now set up for drilling function.

### **10. CHISEL FUNCTION (See I,J)**

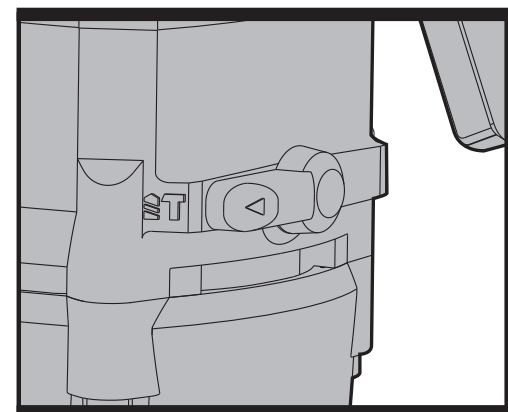
1) For chipping, grooving or demolition operation, press the lock button (A) and then rotate the selector switch make sign "  T " pointing to the triangle. (see I)  
2) Turn the hammer or drilling action selector switch pointing to the hammer action "  T " position. (see J)  
3) You are now set up for chisel work using **Chisel** action.



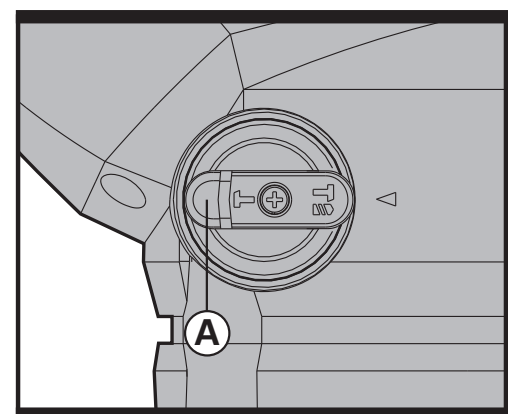
**D**



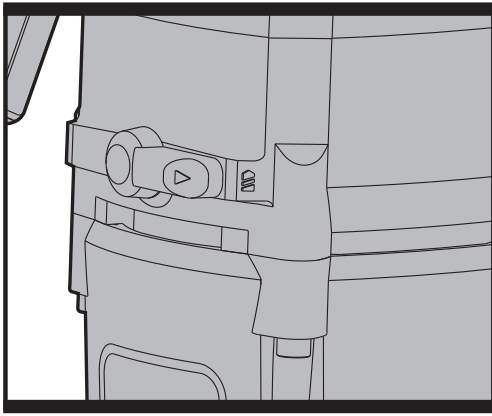
**E**



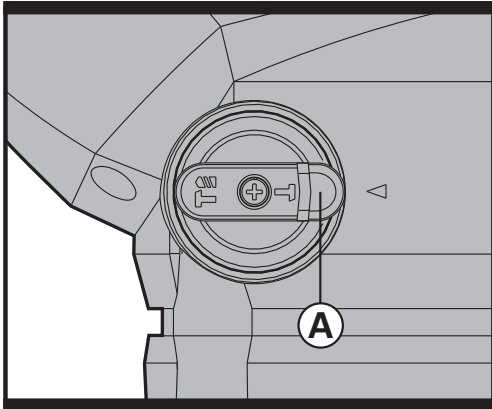
**F**



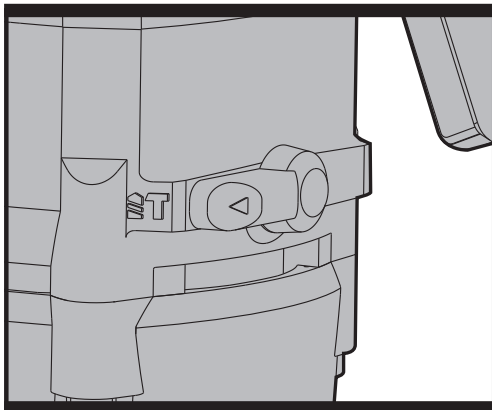
**G**



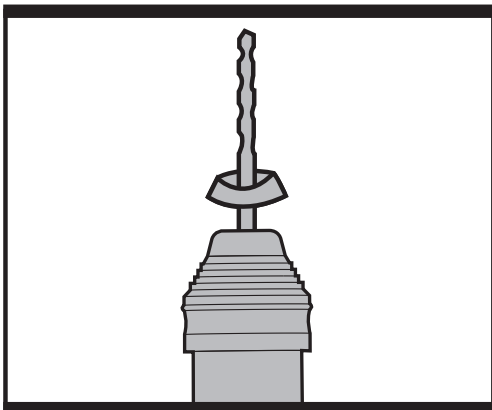
**H**



**I**



**J**



**K**

**! WARNING!** You must make sure that the selector switch is positively locked in chisel mode position. If not, it could cause a hazard.

### **11. DUST COVER (See K)**

Use the dust cover to prevent dust from falling over the tool and on your self when performing overhead drilling operations. Attach the dust cover to the bit as shown in the K.

### **12. LUBRICATION MACHINE (See L)**

Always check there is sufficient grease in the grease box before usage. Check every 5 hrs of usage. Open the grease box lid at the top of the drill using the pin spanner provided. Then top up the grease box (capacity 20gms max) using the grease provided with your tool. The grease specification is general purpose lithium based.

**! CAUTION:** Keep the container of grease away from children.

### **13. TO REPLACE THE BRUSHES (See M,N)**

Disconnect the plug from the power supply. Unscrew the carbon brush cap with screwdriver. Remove the carbon brush. Check the length of the brush and replace if under 6mm. When brushes need replacement always renew both brushes, even if one is still more than 6mm long.

Completely screw down the carbon brush cap. Check that the tool is working. Before use, allow it run for a few minutes to enable the brushes to settle.

## **WORKING HINTS FOR YOUR TOOL**

1. Reduce the pressure on the drill bit when it is about to break through. This will prevent the drill from jamming.
2. When drilling a large hole, first drill a pilot hole using a smaller drill bit.
3. Always apply pressure to your drill bit in a straight line, and if possible at right angles to the workpiece.
4. Never change the operating mode whilst the drill is running.
5. Do not apply excessive pressure to the tool when chiseling. Excessive force does not speed up the work.

# MAINTENANCE

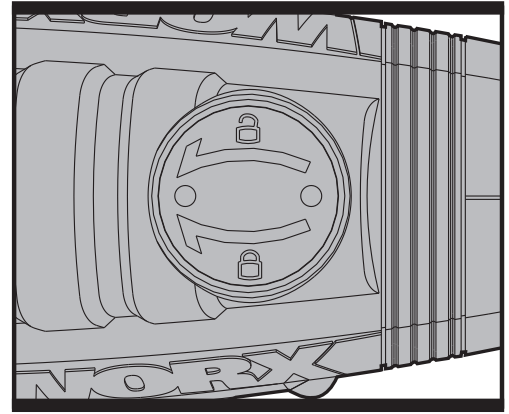
## Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

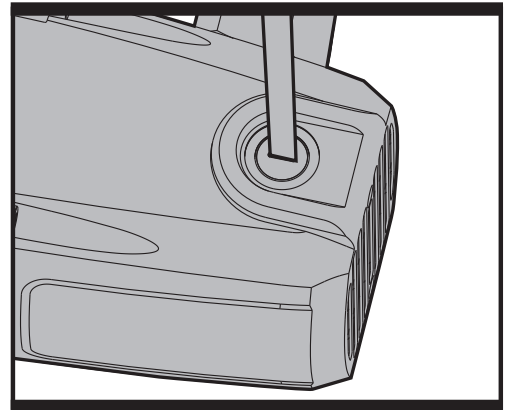
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

# TROUBLESHOOTING

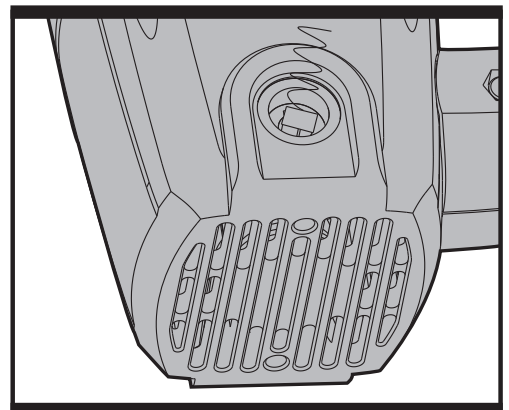
1. If your power tool does not start, check the plug on the power supply first.
2. If your hammer becomes too hot in use, set the hammer switch to the drill mode and allow your drill to operate at maximum speed without load for 2 minutes.
3. If your hammer work efficiency is too low, please add sufficient grease in the grease box.
4. If your hammer use in low efficiency, please check whether the tool is blunt.
5. If a fault can not be rectified, return the tool to an authorized dealer for repair.



**L**



**M**



**N**

**WORX**  
you've got the power