

TROUBLESHOOTING

When hammer doesn't work, the reason is usually that the power tool is too cold. Allow the tool to warm up to the minimum operating temperature. After warming up the tool and the hammer still fails to operate, return the tool to HSS Hire.

If the power tool doesn't start or cuts out during operation and the LED lights red constantly, return the unit to HSS Hire.

Indicators for state of charge and fault messages

WARNING! Risk of injury by a falling battery!

If the release button is pressed with a battery inserted in the product, subsequently check that the battery is correctly re-engaged and secure. Short-press the release button of the battery to get whichever of the following status indications is applicable at the time. State of charge and, if applicable, faults are indicated constantly as long as the connected product is switched on.

Status	Meaning
Four (4) LEDs show constantly green	State of charge: 100 % to 71 %
Three (3) LEDs show constantly green	State of charge: 70 % to 51 %
Two (2) LEDs show constantly green	State of charge: 50 % to 26 %
One (1) LED shows constantly green	State of charge: 25 % to 10 %
One (1) LED slow-flashes green	State of charge: < 10 %
One (1) LED quick-flashes green	The Li-ion battery is completely discharged. Recharge the battery. If the LED again starts quick-flashing after the battery has been charged, consult Hilti Service.
One (1) LED quick-flashes yellow	The Li-ion battery or the product in which it is inserted is overloaded, too hot or too cold, or experiencing some other fault. Bring the product and the battery to the recommended working temperature and do not overload the product when it is in use. If the message persists, consult Hilti Service.
One (1) LED shows yellow	The Li-ion battery and the product in which it is inserted are not compatible. Consult Hilti Service.
One (1) LED quick-flashes red	The Li-ion battery is locked and cannot be used. Consult Hilti Service.

If the power tool doesn't start or cuts out during operation check the extension cord is not too long or its gauge is inadequate. Use an extension cord of an approved length and / or of adequate gauge.

If the fault cannot be eliminated by the measures listed above, return to HSS Hire.

SPECIFICATIONS

Rated voltage	72 V
Weight of power tool	29.9 kg (65.92 lb)
Dimensions (L x W x H)	820 mm (31.81") x 615 mm (24.02") x 215 mm (8.23")
Hammering frequency under load	1300BL/min
Single impact energy	64J
Weight of breaker with trolley	41kg (90.38 lb)

EQUIPMENT CARE

Never operate the power tool when the ventilation slots are blocked. Clean the ventilation slots carefully using a dry brush. Do not permit foreign objects to enter the interior of the power tool. Clean the outside of the power tool at regular intervals using a slightly damp cloth.

Do not use a spray, steam pressure cleaning equipment or running water for cleaning. This may negatively affect the electrical safety of the power tool. Always keep the grip surfaces of the power tool free from oil and grease. Do not use cleaning agents which contain silicone.

Regularly, **clean off dirt and dust deposits adhering to the insert tools and protect them from corrosion by wiping the insert tools from time to time with an oil-soaked rag.**

Never push the equipment beyond its design limits. If it will not do what you want with reasonable ease and speed, assume you have the wrong equipment for the job. Contact HSS Hire for advice.

Handle the equipment with care. Avoid dropping it, knocking it, or otherwise exposing it to damage.

Never expose the equipment to dangerous and/or corrosive chemicals.

Keep the equipment clean - you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, store the equipment somewhere clean, dry and secure.

FINISHING OFF

Remove the batteries form the holder and place in the toolbox, remove the chisel tool from the holder and place in the box or on the trolley, Wipe clean the machine ready for return to HSS.



... have you been trained

The law requires that personnel using this type of equipment in the workplace must be competent and qualified to do so.

Training is available at HSS Training
0845 766 7799

...any comments?

If you have any suggestions to enable us to improve the information within this guide please e-mail your comments or write to the Safety Guide Manager at the address below
e-mail: safety@hss.com

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Building Two, Think Park, Mosley Road,

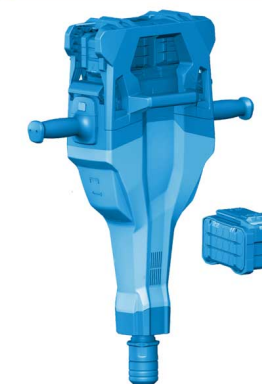
Manchester M17 1FQ

www.hss.com

3019/01

Operating & Safety Guide 3019

HSS Hire



Cordless breaker, charger and batteries

Heavy duty cordless breaker for chiseling concrete, masonry and asphalt.



Code 02107 / 02500 / 02503 / 02504

GENERAL SAFETY

For advice on the safety and suitability of this equipment contact HSS Hire.



There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.



The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.


This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.


This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from HSS Hire.

  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

  Wear practical, protective clothing, gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

 This equipment generates potentially harmful noise levels. To comply with Health & Safety at Work regulations, ear defenders must be worn by everyone in the vicinity.

 Some materials contain substances which, when inhaled, can be harmful to health. A suitable mask must be worn when using this equipment. Respiratory protective equipment is available for hire, contact your local HSS Hire for details.

 Safety goggles MUST be worn by everyone in the work area while the equipment is in use.

Never use the equipment near combustible materials or in potentially explosive atmospheres.

Never use the equipment near computers or other sensitive, electronic equipment.

Keep the electric motor's air-vents clear at all times.

Make sure you know how to switch this machine OFF before you switch it ON, in case you get into difficulty.

Always switch off and unplug the equipment before changing steels. Never leave it switched on and unattended.

Always hold the power tool securely with both hands on the grips provided. Keep the grips dry, clean and free from oil and grease.

Take special care when breaking anything containing pipework or electrical cables. If in doubt, hire a cable avoiding tool to determine the exact position of such hazards.

Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. The power tool may be used only in a dry environment.

Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a moving part of the power tool may result in personal injury.

Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

Do not try to repair or modify the equipment. If this tool can't do what you expect or fails to work return to HSS Hire.


ELECTRICAL SAFETY

The 22V battery breaker has a level of charge indicator built into the battery. Simply push the ON switch and observe the reading scale. To remove the battery from the drill press the lock tab in with your finger and thumb and release the battery.


To recharge insert the battery pack into the charger, it will only fit one way, then plug the charger into a suitable power supply.

The charger will recharge the battery within 1-4 hours depending on the charge state.

Using the charger in damp or wet conditions can be dangerous.

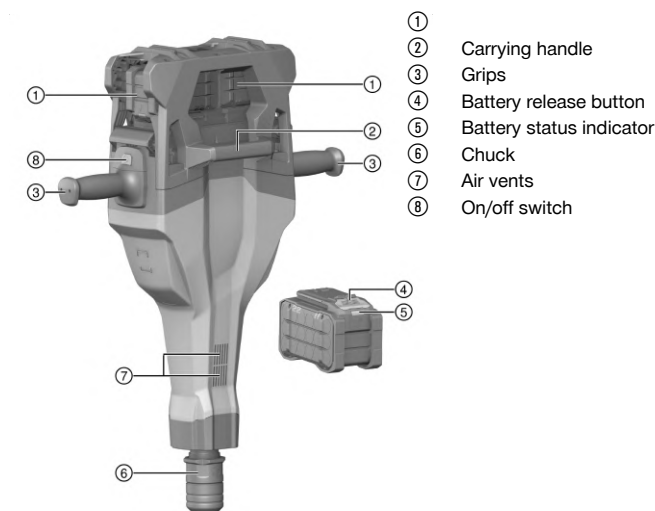
 To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device) available from HSS Hire, or power the equipment from a mains circuit with a built-in RCD.

Prevent unintentional starting. Ensure the switch is in the OFF position before connecting to power source, 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.

 To reduce the risk of electric shock, use a suitable RCD (Residual Current-Operated Device) available from HSS Hire.

Never carry or pull the tool by its flex.

Ensure the equipment is switched OFF before plugging it into its power supply.



GETTING STARTED

Never use the cordless battery breaker until you have fully read and understood this User Guide and the machine has been properly set up using the information it contains.

The HSS Heavy Duty Breaker is a hand-guided electric tool for chiseling on concrete, masonry and asphalt. Other applications are compacting and excavation (e.g. in soil).

Its typical working environment is construction sites of all kinds and it may be used for construction work, finishing, renovation, demolition and road work.

TRANSPORTATION

Use the transport trolley or other means of conveyance whenever possible. The power tool should always be carried by two persons if no transport trolley or means of conveyance is available for use. Be aware that the power tool plus transport trolley present a considerable weight.

CAUTION

DO NOT PARK THE TRANSPORT TROLLEY ON AN INCLINE.

TAKE CARE TO USE ONLY SAFE TRANSPORT ROUTES.

TAKE CARE TO ENSURE THAT THE TROLLEY STANDS IN A STEADY, SECURE POSITION.



Place the power tool on the locating pin provided on the transport trolley and always secure it for transport by closing the retaining bar.

Put the chisels in the holder provided, pushing them in as far as they will go until held securely.

BEFORE BEGINNING WORK

Check the working area (e.g. using a metal detector) to ensure that no concealed electric cables or gas and water pipes are present. External metal parts of the power tool may become live, for example, when an electric cable is damaged accidentally. This presents a serious risk of electric shock. If in doubt, use a cable avoiding tool available from HSS Hire.

Analyse the work place to choose the right insert tool for your task and a length suitable for your body height.

Check that the connection end of the chisel is clean and lightly greased. Clean it and grease it if necessary.

 Check that the chuck and locking bar are clean and undamaged.

Check that the chisel has engaged correctly by pulling it. To remove the chisel make sure the power tool is switched off and mains plug is disconnected from the power outlet.

Open the locking bar by pivoting it approx. 90° and pull the chisel out of the chuck.

WARNING

DO NOT LAY A HOT INSERT TOOL DOWN ON FLAMMABLE MATERIALS. THIS COULD CAUSE THE MATERIAL TO IGNITE, RESULTING IN A FIRE.

To power the tool insert the battery in the breaker, it will only fit one way. Press the ON switch to start the breaker.

BASIC TECHNIQUES

CAUTION

WORKING ON THE MATERIAL MAY CAUSE IT TO SPLINTER. WEAR EYE PROTECTION AND PROTECTIVE GLOVES.

SPLINTERING MATERIAL PRESENTS A RISK OF INJURY TO THE EYES AND BODY.

Check that the insert tool is held securely (check by pulling the insert tool). Secure the area below the working area.

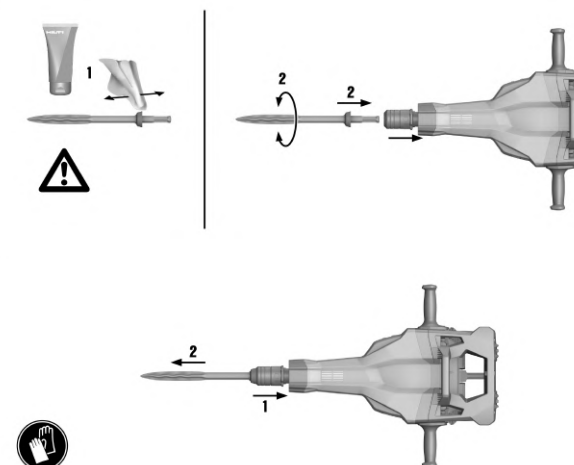
Take care to stand in a secure position, especially when chiseling breaches in floors, walls or ceilings. The power tool may pull you off balance if you break through suddenly.

Position the tip of the chisel at the point where chiseling is to begin and press the on / off switch fully.

The hammering mechanism works only when the power tool has reached a minimum operating temperature. Bring the chisel into contact with the base material and allow the power tool to run under no load until the minimum operating temperature is reached. If necessary, repeat this procedure until the hammering mechanism begins to operate.

ADVICE

IMPROVE THE BLOOD CIRCULATION IN YOUR FINGERS BY RELAXING YOUR HANDS AND EXERCISING YOUR FINGERS DURING BREAKS BETWEEN WORKING.



Know Your Symbols

HSS have created clear Icons to inform the hirer of their responsibilities towards the safe use of hire equipment.

These are designed to reduce the amount of different safety information labels required for each product for hire.

General use PPE / Warning

Clearly marked minimum PPE will be visible on all equipment,



Correct PPE must be worn



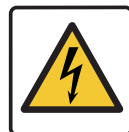
HAV Hand Arm Vibration



Danger Rotating blade



Danger Hot exhaust



Danger Electric shock



Caution Abrasive Wheel



Caution Finger trap

Fuel and Supply Types



Pe
Petrol



Di
Diesel



2t
2 - Stroke Petrol



EI
Electric

Safe Procedures

All hirers must understand and respect the safe procedures of all equipment.

It is the responsibility of the hirer to maintain and return the equipment in a clean condition and good working order.



Ro
Read OPS Guide



Ou
Outdoor Use only



HI
Heavy Lifting



Cd
Check Oil daily



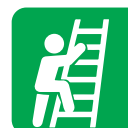
Cf
Check Fuel daily



Cw
Check Water daily



Bc
Battery Care



Sh
Safe Height Working



Swl
Refer to Data Plate



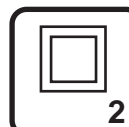
V
Check Power Voltage Data Plate

Electrical Safety

Safe wiring procedures.



Ea
Must be Earthed Class 1



Doi
Double Insulated Class 2



Enl
Earth Live Neutral Wire Coding

Return Responsibility

Charges apply to equipment returned dirty and damaged.



Cc
Cleaning Charge



Rc
Repair Charge