

## CAUTION

Remove the insert tool before laying the power tool down or placing it on the transport trolley. Disconnect the mains plug from the power outlet. Unintentional starting (accidental contact with the on / off switch) may cause the power tool to kick.

### 7.2.1 TPS Theft Protection System (optional)

#### NOTE

The power tool may be equipped with the optional theft protection system. If the power tool is equipped with this feature, it can be unlocked and made ready for operation only through use of the corresponding TPS key.

#### 7.2.1.1 Unlocking the power tool

1. Plug the supply cord into the power outlet. The yellow theft protection indicator LED blinks. The power tool is now ready to receive the signal from the TPS key.
2. Hold the TPS key or the TPS watch strap buckle against the lock symbol. The power tool is unlocked as soon as the yellow theft protection indicator LED no longer lights.

**NOTE** If, for example, the electric supply is briefly interrupted due to a power failure or disconnected when moving to a different workplace, the power tool remains ready for operation for approx. 20 minutes. In the event of a longer interruption, the TPS key must be used again to unlock the power tool.

### 7.2.1.2 Activation of the theft protection system for the power tool

#### NOTE

Further detailed information on activation and use of the theft protection system can be found in the operating instructions for the theft protection system.

### 7.2.2 Chiseling

#### NOTE

Working at low temperatures: 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.

#### 7.2.2.1 Chiseling

1. Plug the mains plug of the supply cord into the power outlet.
2. Position the tip of the chisel at the point where chiseling is to begin.
3. Press the on / off switch fully.

#### 7.2.2.2 Switching off

Release the on / off switch.

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## 8. Care and maintenance

### CAUTION

Disconnect the mains plug from the power outlet.

### CAUTION

The power tool must always be checked by a Hilti specialist for internal or external damage whenever it has been dropped or fallen over.

### 8.1 Care of insert tools

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.

### 8.2 Care of the power tool

The outer casing of the power tool is made from impact-resistant plastic. Sections of the grip are made from a synthetic rubber material.

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 with 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.

### 8.3 Service indicator

#### NOTE

The power tool is equipped with a service indicator.

Indicator	Constant red light	End of service interval - servicing is due. After the lamp lights for the first time, the power tool may continue to be used for several hours before the automatic cut-out is activated. To ensure that the power tool is always ready for use, it should be returned to Hilti for servicing in good time.
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### 8.4 Maintenance

#### WARNING

Repairs to the electrical section of the power tool may be carried out only by trained electrical specialists.

Check all external parts of the power tool for damage at regular intervals and check that all controls operate faultlessly. Do not operate the power tool if parts

are damaged or when the controls do not function faultlessly. If necessary, the power tool should be repaired by Hilti Service.

### 8.5 Checking the power tool after care and maintenance

After carrying out care and maintenance work on the power tool, check that all protective and safety devices are fitted and that they function faultlessly.

## 9. Troubleshooting

Fault	Possible cause	Remedy
The power tool doesn't start.	Electronics initialization in progress (takes up to 4 seconds after plugging in).	Switch the power tool off and on again.
	Interruption in the electric supply.	Plug in another electric appliance and check whether it works.
	The supply cord or plug is defective.	Have it checked by a trained electrical specialist and replaced if necessary.
	Generator with sleep mode.	Apply a load to the generator by connecting another appliance (e.g. a lamp). Subsequently switch the power tool off and on again.
No hammering action.	The power tool is too cold.	Allow the power tool to warm up to the minimum operating temperature. See section: 7.2.2 Chiseling
	A fault has occurred in the power tool.	If necessary, the power tool should be repaired by Hilti Service.
The power tool doesn't start or cuts out during operation and the LED blinks red.	Temporary fault (e.g. overheating or overvoltage).	Release the switch and allow the power tool to cool down or connect it to a different electric supply.
The power tool doesn't start or cuts out during operation and the LED lights red constantly.	Advance warning of need for servicing.	Have the power tool serviced or repaired by Hilti Service.

Fault	Possible cause	Remedy
The power tool doesn't start and the indicator lamp blinks yellow.	The power tool has not been unlocked (power tools with optional theft protection system).	Use the TPS key to unlock the power tool.
The power tool doesn't start or cuts out during operation.	The extension cord is too long or its gauge is inadequate.	Use an extension cord of an approved length and / or of adequate gauge.

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**NOTE**

If the fault cannot be eliminated by the measures listed above, have the power tool checked by Hilti Service.

**10. Disposal**



Most of the materials from which Hilti power tools or appliances are manufactured can be recycled. The materials must be correctly separated before they can be recycled. In many countries, Hilti has already made arrangements for taking back your old power tools or appliances for recycling. Please ask your Hilti customer service department or Hilti representative for further information.



For EC countries only

Disposal of electric tools together with household waste is not permissible.

In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

**11. Manufacturer's warranty - tools**

Hilti warrants that the tool supplied is free of defects in material and workmanship. This warranty is valid so long as the tool is operated and handled correctly, cleaned and serviced properly and in accordance with the Hilti Operating Instructions, and the technical system is maintained. This means that only original Hilti consumables, components and spare parts may be used in the tool.

This warranty provides the free-of-charge repair or replacement of defective parts only over the entire lifespan of the tool. Parts requiring repair or replacement as a result of normal wear and tear are not covered by this warranty.

**Additional claims are excluded, unless stringent national rules prohibit such exclusion. In particular, Hilti is not obligated for direct, indirect, incidental or consequential damages, losses or expenses in connection with, or by reason of, the use of, or inability to use the tool for any purpose. Implied warranties of merchantability or fitness for a particular purpose are specifically excluded.**

For repair or replacement, send the tool or related parts immediately upon discovery of the defect to the address of the local Hilti marketing organization provided.

This constitutes Hilti's entire obligation with regard to warranty and supersedes all prior or contemporaneous comments and oral or written agreements concerning warranties.