



Nothing but **HEAVY DUTY.**



M18 BID

User Manual

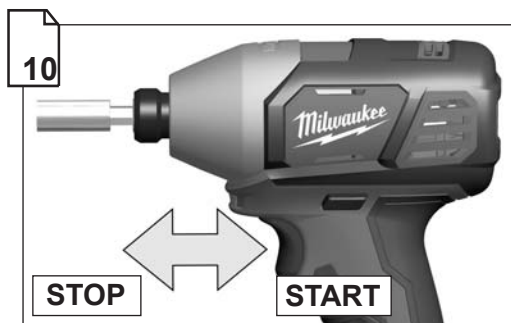
操作指南

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사용시 주의사항

คำสั่งเดิม

Buku Petunjuk Pengguna





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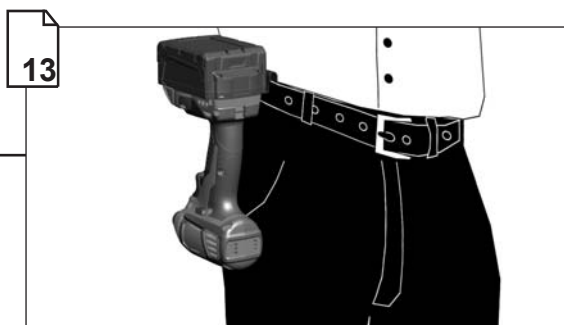
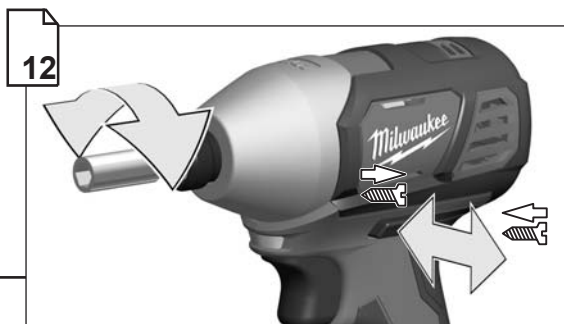
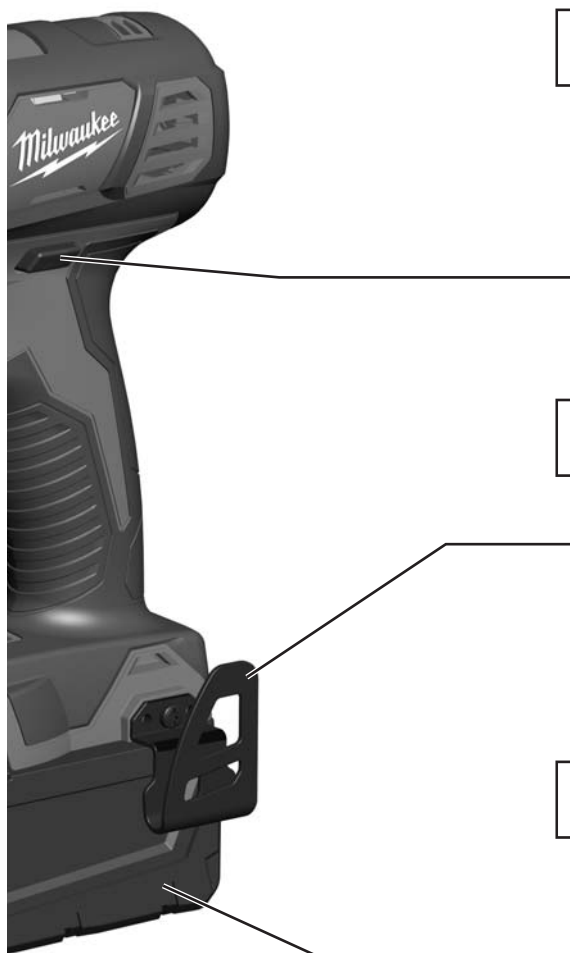
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在機器上进行任何修护工作之前，先拿出蓄電池。

기기를 사용하지 않을 때는 배터리를 빼어두십시오.

ถอดก้อนแบตเตอรี่ก่อนที่จะเริ่มการใช้งานใดๆ

Keluarkan pek baterai sebelum memulakan sebarang kerja pada mesin.





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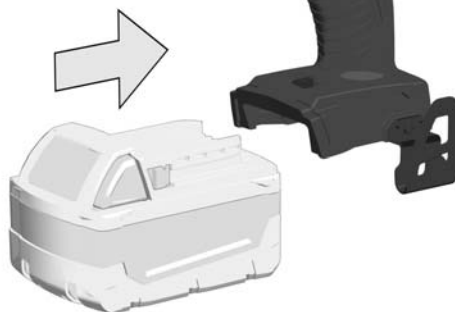
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1



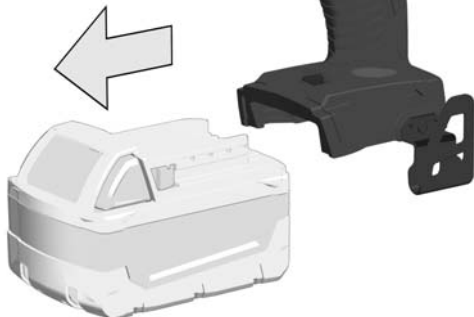
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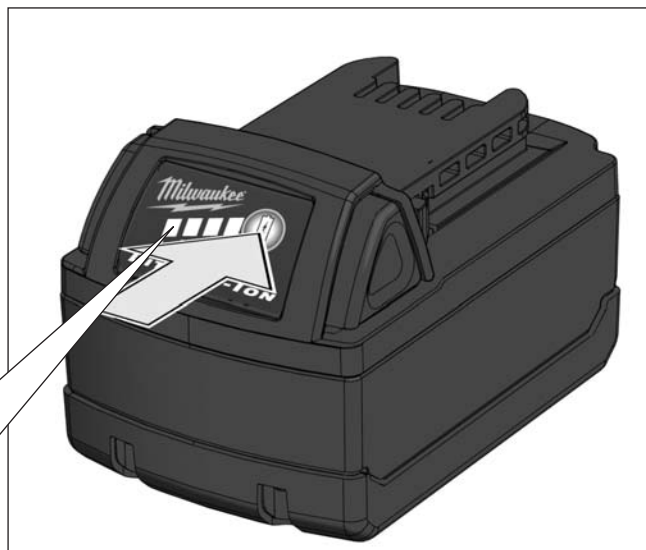


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2





78-100 %



55-77 %



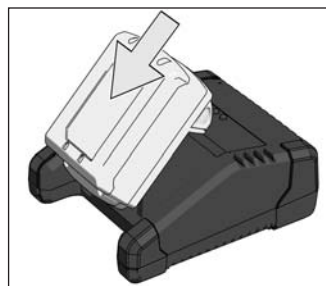
33-54 %

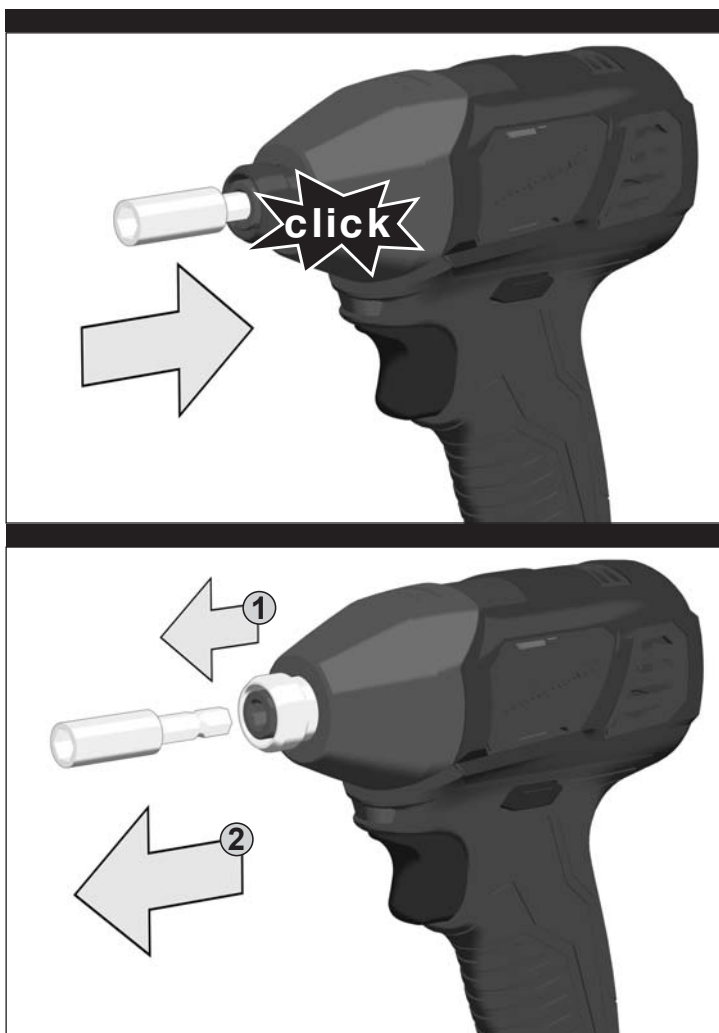


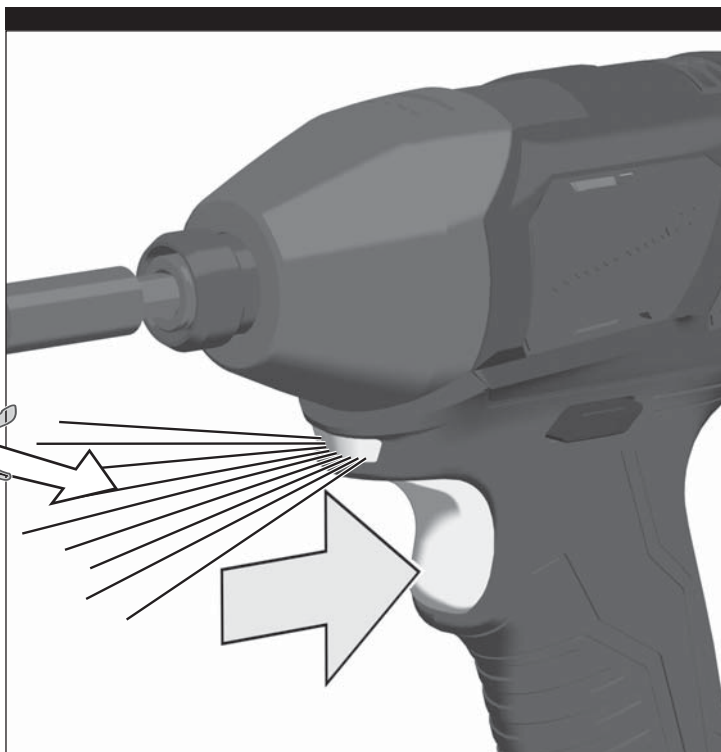
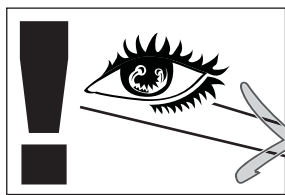
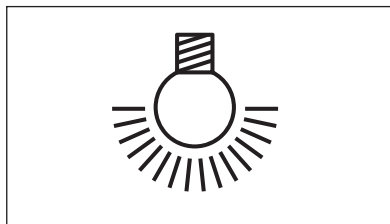
10-32 %



< 10 %

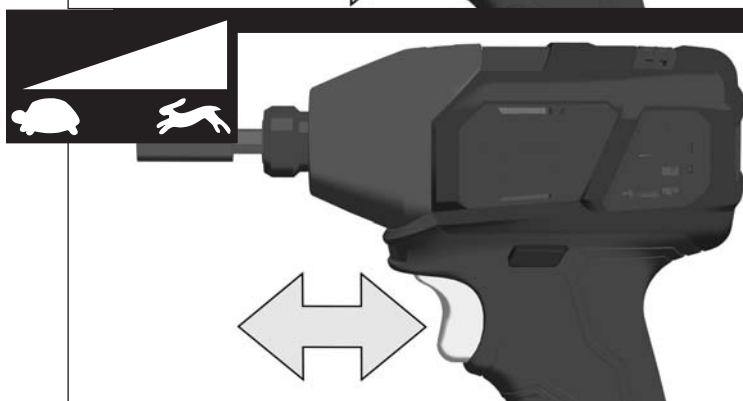
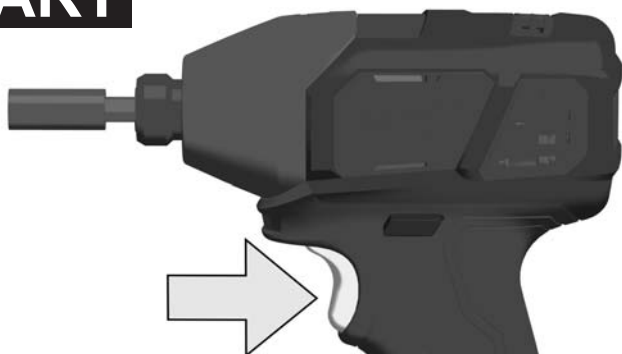






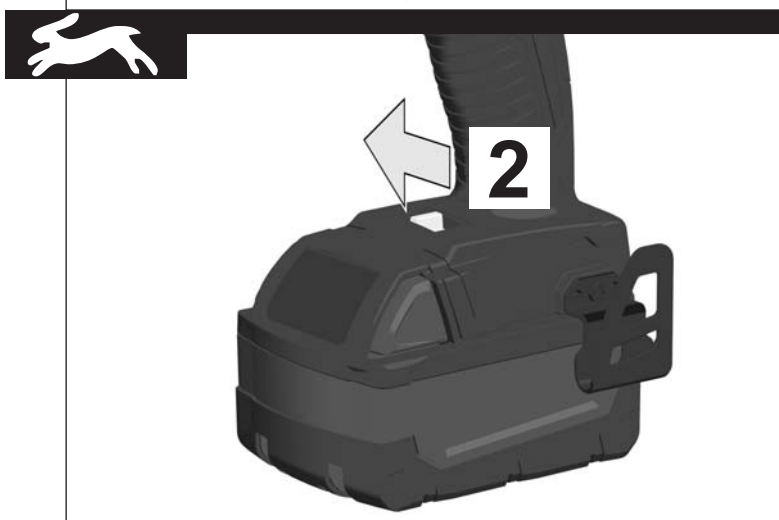
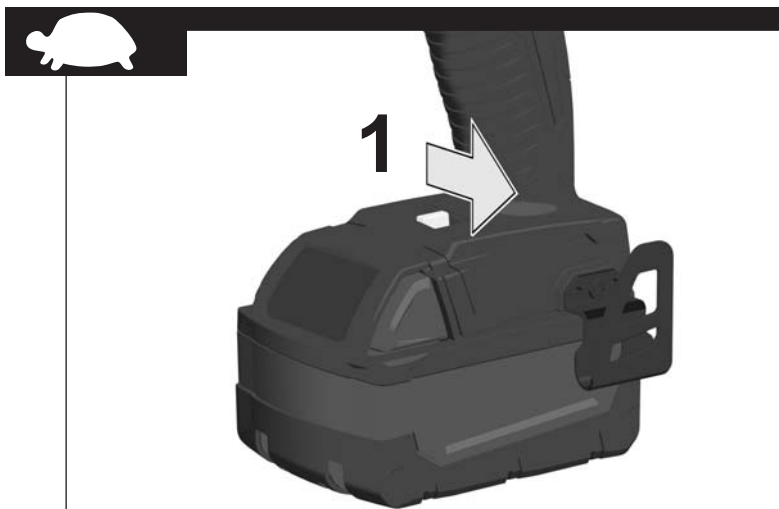


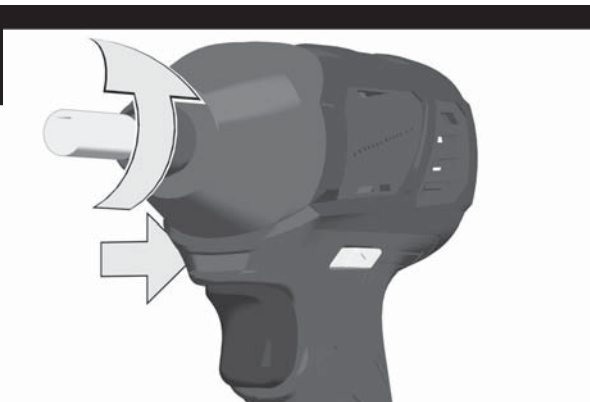
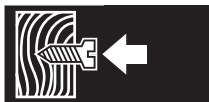
START



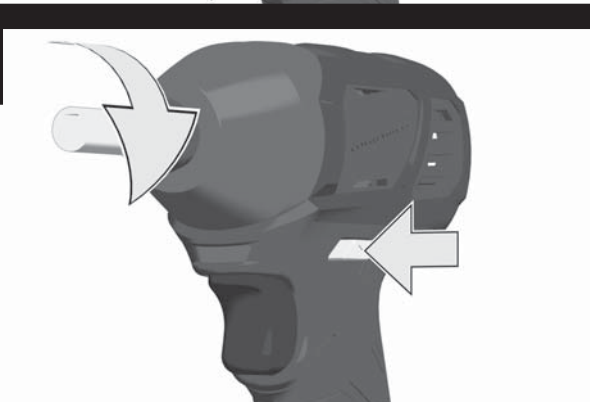
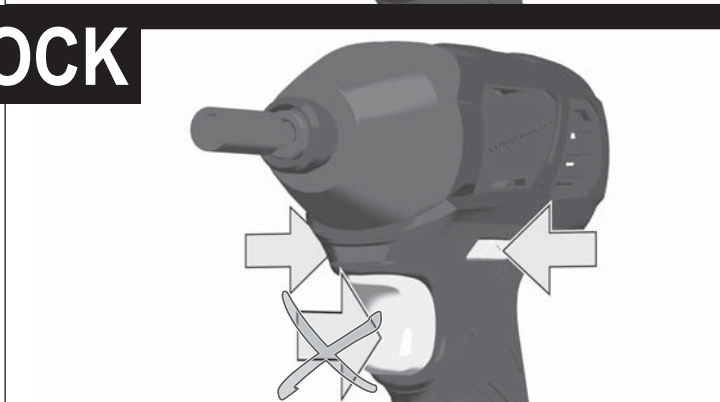
STOP

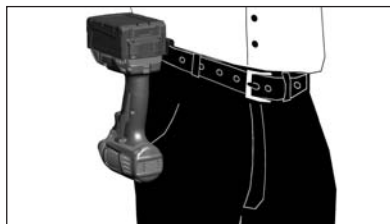




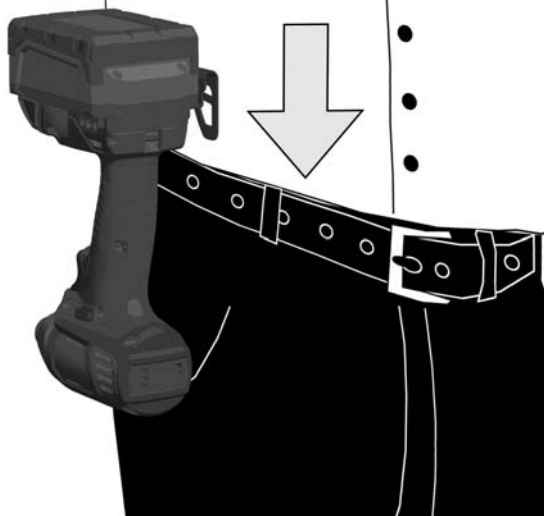


LOCK

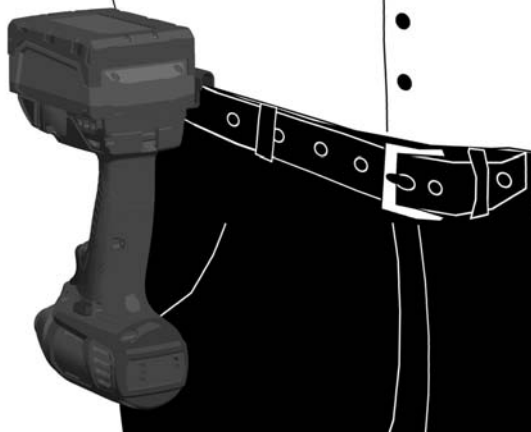




1



2



Tool reception	1/4" (6,35 mm)
No-load speed, 1st gear	0-2000 min ⁻¹
No-load speed, 2nd gear	0-2750 min ⁻¹
Impact range, 1st gear	0-2450 min ⁻¹
Impact range, 2nd gear	0-3450 min ⁻¹
Torque max.	180 Nm
Max. diameter bolt / nut	M14
Battery voltage	18 V
Weight according EPTA-Procedure 01/2003 (1,5 / 2,0 Ah)	1,4 kg
Weight according EPTA-Procedure 01/2003 (3,0 / 4,0 Ah)	1,7 kg

Noise/vibration information

Measured values determined according to EN 60 745.

Typically, the A-weighted noise levels of the tool are:

Sound pressure level (K = 3 dB(A))	93,8 dB (A)
Sound power level (K = 3 dB(A))	104,8 dB (A)

Wear ear protectors!

Total vibration values (vector sum in the three axes) determined according to EN 60745.

Vibration emission value a _h	12,3 m/s ²
Impact tightening of fasteners of the maximum capacity of the tool	2,77 m/s ²
Uncertainty K=	

WARNING

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

⚠ 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.**

SAFETY INSTRUCTIONS

Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a „live“ wire may make exposed metal parts of the power tool „live“ and could give the operator an electric shock.

Wear ear protectors. Exposure to noise can cause hearing loss.

Sawdust and splinters must not be removed while the machine is running.

When working in walls ceiling, or floor, take care to avoid electric cables and gas or waterpipes.

Remove the battery pack before starting any work on the machine.

Do not dispose of used battery packs in the household refuse or by burning them. Milwaukee Distributors offer to retrieve old batteries to protect our environment.

Do not store the battery pack together with metal objects (short circuit risk).

Use only System C 18 chargers for charging System C 18 battery packs. Do not use battery packs from other systems.

Battery acid may leak from damaged batteries under extreme load or extreme temperatures. In case of contact with battery acid wash it off immediately with soap and water. In case of eye contact rinse thoroughly for at least 10 minutes and immediately seek medical attention.

SPECIFIED CONDITIONS OF USE

The cordless impact wrench can be used to tighten and loosen nuts and bolts wherever no mains connection is available.

Do not use this product in any other way as stated for normal use.

BATTERIES

New battery packs reach full loading capacity after 4 - 5 chargings and dischargings. Battery packs which have not been used for some time should be recharged before use.

Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).

The contacts of chargers and battery packs must be kept clean.

For an optimum life-time, after use, the battery packs have to be fully charged.

BATTERY PACK PROTECTION

In extremely high torque, binding, stalling and short circuit situations that cause high current draw, the tool will vibrate for about 2 seconds and then the tool will turn OFF. To reset, release the trigger.

Under extreme circumstances, the internal temperature of the battery could become too high. If this happens, the battery will shut down.

Place the battery on the charger to charge and reset it.

To obtain the longest possible battery life remove the battery pack from the charger once it is fully charged.

For battery pack storage longer than 30 days:

Store the battery pack where the temperature is below 27°C and away from moisture

Store the battery packs in a 30% - 50% charged condition

Every six months of storage, charge the pack as normal.

MAINTENANCE

Use only Milwaukee accessories and spare parts. Should components need to be replaced which have not been described, please contact one of our Milwaukee service agents (see our list of guarantee/service addresses).

If needed, an exploded view of the tool can be ordered.

Please state the machine type printed as well as the six-digit No. on the label and order the drawing at your local service agents.

SYMBOLS



Please read the instructions carefully before starting the machine.



Remove the battery pack before starting any work on the machine.



Do not dispose of electric tools together with household waste material! 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.