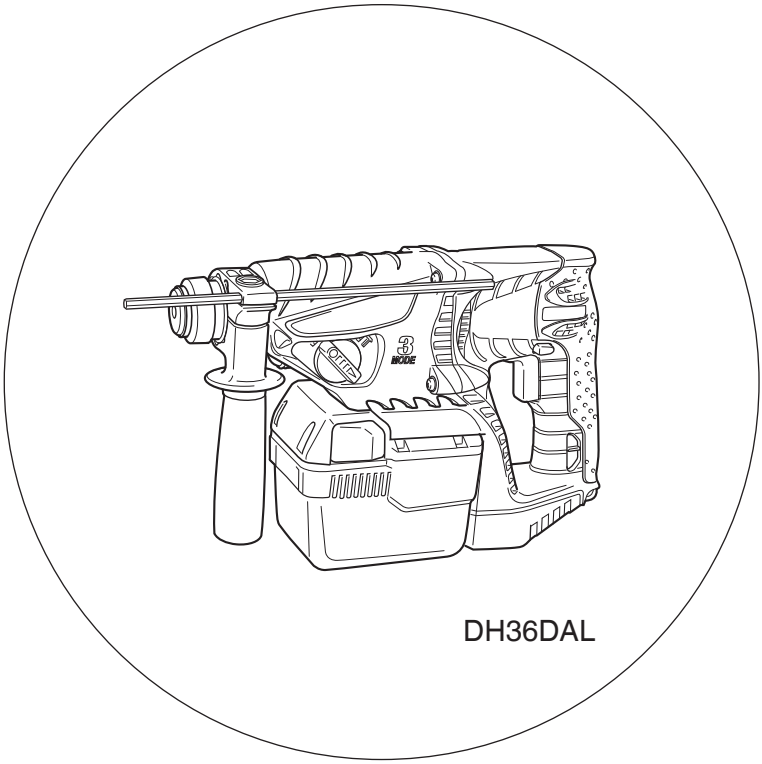
HiKOKI

中文

English

充电式锤钻
Cordless Rotary Hammer

DH 25DL • DH 25DAL
DH 36DL • DH 36DAL



DH36DAL

保留备用
Keep for future reference

使用说明书
Handling instructions

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电动工具通用安全警告

⚠ 警告！

阅读所有警告和所有说明。
不遵照以下警告和说明会导致电击、着火和 / 或严重伤害。

保存所有警告和说明书以备查阅。

在所有下列的警告中术语“电动工具”指市电驱动(有线)电动工具或电池驱动(无线）电动工具。

1）工作场地的安全
   a）**保持工作场地清洁和明亮。**
   混乱和黑暗的场地会引发事故。
   b）**不要在易爆环境，如有易燃液体、气体或粉尘的环境下操作电动工具。**
   电动工具产生的火花会点燃粉尘或气体。
   c）**让儿童和旁观者离开后操作电动工具。**
   注意力不集中会使操作者失去对工具的控制。

2）电气安全
   a）**电动工具插头必须与插座相配。绝不能以任何方式改装插头。需接地的电动工具不能使用任何转换插头。**
   未经改装的插头和相配的插座将减少电击危险。
   b）**避免人体接触接地表面，如管道、散热片和冰箱。**
   如果你身体接地会增加电击危险。
   c）**不得将电动工具暴露在雨中或潮湿环境中。**
   水进入电动工具将增加电击危险。
   d）**不得滥用电线。绝不能用电线搬运、拉动电动工具或拔出其插头。使电线远离热源、油、锐边或运动部件。**
   受损或缠绕的软线会增加电击危险。

e）当在户外使用电动工具时，使用适合户外使用的外接软线。
适合户外使用的软线将减少电击危险。

f）如果在潮湿环境下操作电动工具是不可避免的，应使用剩余电流动作保护器（ＲＣＤ）。
使用ＲＣＤ可减小电击危险。

3）人身安全

a）保持警觉，当操作电动工具时关注所从事的操作并保持清醒。当你感到疲倦，或在有药物、酒精或治疗反应时，不要操作电动工具。
在操作电动工具时瞬间的疏忽会导致严重人身伤害。

b）使用个人防护装置。始终佩戴护目镜。
安全装置，诸如适当条件下使用防尘面具、防滑安全鞋、安全帽、听力防护等装置能减少人身伤害。

c）防止意外起动。确保开关在连接电源和／或电池盒、拿起或搬运工具时处于关断位置。
手指放在已接通电源的开关上或开关处于接通时插入插头可能会导致危险。

d）在电动工具接通之前，拿掉所有调节钥匙或扳手。
遗留在电动工具旋转零件上的扳手或钥匙会导致人身伤害。

e）手不要伸展得太长。时刻注意立足点和身体平衡。
这样在意外情况下能很好地控制电动工具。

f）着装适当。不要穿宽松衣服或佩戴饰品。让衣服、手套和头发远离运动部件。
宽松衣服、佩饰或长发可能会卷入运动部件中。

g）如果提供了与排屑、集尘设备连接用的装置，要确保它们连接完好且使用得当。
使用这些装置可减少尘屑引起的危险。

4）电动工具使用和注意事项

a）不要滥用电动工具，根据用途使用适当的电动工具。
选用适当设计的电动工具会使你工作更有效、更安全。

b）如果开关不能接通或关断工具电源，则不能使用该电动工具。
不能用开关来控制的电动工具是危险的且必须进行修理。

c）在进行任何调节、更换附件或贮存电动工具之前，必须从电源上拔掉插头和／或使电池盒与工具脱开。
这种防护性措施将减少工具意外起动的危险。

d）将闲置不用的电动工具贮存在儿童所及范围之外，并且不要让不熟悉电动工具或对这些说明不了解的人操作电动工具。
电动工具在未经培训的用户手中是危险的。

e）保养电动工具。检查运动件是否调整到位或卡住，检查零件破损情况和影响电动工具运行的其他状况。如有损坏，电动工具应在使用前修理好。

许多事故由维护不良的电动工具引发。

f) 保持切削刀具锋利和清洁。
保养良好的有锋利切削刃的刀具不易卡住而且容易控制。

g) 按照使用说明书，考虑作业条件和进行的作业来使用电动工具、附件和工具的刀头等。
将电动工具用于那些与其用途不符的操作可能会导致危险。

5）电池式工具使用和注意事项

a）只用制造商规定的充电器充电。
将适用于某种电池盒的充电器用到其他电池盒时会发生着火危险。

b）只使用配有特制电池盒的电动工具。
使用其他电池盒会发生损坏和着火危险。

c）当电池盒不用时，将它远离其他金属物体，例如回形针、硬币、钥匙、钉子、螺钉或其他小金属物体，以防一端与另一端连接。
电池端部短路会引起然烧或火灾。

d）在滥用条件下，液体会从电池中溅出；避免接触。如果无意间碰到了，用水冲洗。如果液体碰到了眼睛，还要寻求医疗帮助。
从电池中溅出的液体会发生腐蚀或燃烧。

6）维修

a）将你的电动工具送交专业维修人员，使用同样的备件进行修理。
这样将确保所维修的电动工具的安全性。

注意！

不可让儿童和体弱人士靠近工作场所。
应将不使用的工具存放在儿童和体弱人士接触不到的地方。

充电式锤钻安全警告

1. 戴好耳罩。
暴露在噪声中会引起听力损伤。
2. 使用随工具提供的辅助手柄。
操作失手会引起人身伤害。
3. 务请在 0℃～ 40℃的温度下进行充电。温度低于 0℃将会导致充电过度，极其危险。电池不能在高于 40℃的温度下充电。
最适合于充电的温度是 20 ～ 25℃。
4. 不要连续使用充电器。
一次充电完毕后，在 15 分钟内不要再次使用该充电器对电池充电。
5. 勿让杂质进入电池连结口内。
6. 切勿拆卸电池与充电器。
7. 切勿使电池短路。使电池短路将会造成很大的电流和过热，从而烧坏电池。

8. 请勿将电池丢入火中。
   电池受热将会爆炸。
9. 长时间连续使用本电钻，可能会导致机体过热，对马达及开关造成损害，因此使用本机请勿连续超过 15 分钟。
10. 请勿将异物插入充电器的通风口。
    若将金属异物或易燃物插入通风口的话，将会引起触电事故或使充电器受损。
11. 请勿使用耗竭了的电池，否则会损坏充电器。
12. 在墙壁、地板或天花板上钻孔时，应检查是否有埋设的电源线等。
13. 充电后电池寿命太短不够使用时，请尽快将电池送往经销店。请勿将用过的电池乱丢。
14. 作业之后的钻头仍处在高热状态下，切不可摸触，以免灼伤。
15. 使用锤钻时，应牢牢握住工具的操作柄和侧柄。否则，所产生的反作用力会将孔钻歪，甚至会造成危险。
16. 佩戴防尘口罩
    不要吸入在钻凿操作过程中产生的有害粉尘。粉尘会危机到自身和旁观者的身体健康。

锂离子电池使用注意事项

为延长使用期限，锂离子电池备配停止输出的保护功能。
若是在使用本产品时发生下列 1 和 2 的情况，即使按下开关，马达也可能停止。这并非故障，而是启动保护功能的结果。

1. 在残留的电池电力即将耗尽时，马达会停止。
   在这种情况下，请立即予以充电。
2. 若工具超过负荷，马达亦可能停止。在这种情况下，请松开工具的开关，试着消除超过负荷的原因。之后您就可以再度使用。

此外，请留心下列的警告及注意事项。

警告！

为防止发生电池漏电、发热、冒烟、爆炸及提前点燃，请确保留意下列事项。

1. 确保电池上没有堆积削屑及灰尘。
○ 在工作时确定削屑及灰尘没有掉落在电池上。
○ 确定所有工作时掉落在电动工具上的削屑和灰尘没有堆积在电池上。
○ 请勿将未使用的电池存放在曝露于削屑和灰尘的位置。
○ 在存放电池之前，请清除任何可能附着在上面的削屑和灰尘，并请切勿将它与金属零件（螺丝、钉子等）存放在一起。
2. 请勿以钉子等利器刺穿电池、以铁锤敲打、踩踏、丢掷电池，或将其剧烈撞击。
3. 切勿使用明显损坏或变形的电池。
4. 使用电池时请勿颠倒电极。
5. 请勿直接连接电源插座或汽车点烟器孔座。
6. 请依规定方式使用电池，切勿移作他用。

7. 如果已过了再充电时间，电池仍无法完成充电，请立即停止继续再充电。
8. 请勿将电池放置于高温或高压处，例如微波炉、烘干机或高压容器内。
9. 在发觉有渗漏或异味时，请勿接近远离火源。
10. 请勿在会产生强烈静电的地方使用。
11. 如有电池渗漏、异味、发热、褪色或变形，或在使用、充电或存放时出现任何异常，请立即将它从装备或电池充电器拆下，并停止使用。

注意！

1. 若电池渗漏出的液体进入您的眼睛，请勿搓揉眼睛，并以自来水等干净清水充分冲洗，立刻送医。
   若不加以处理，液体可能会导致眼睛不适。
2. 若液体渗漏至您的皮肤或衣物，请立即以自来水等清水冲洗。
   上述情况可能会使皮肤受到刺激。
3. 若初次使用电池时发现生锈、异味、过热、褪色、变形及 / 或其它异常情况时，请勿使用并将该电池退还给供货商或厂商。

警告！

如果有导电异物进入锂电池，可能发生短路，并有发生火灾危险的可能。请在贮存电池时，遵守如下事项。

- ○ 请不要在电池盒内放置导电物体，如钉子、钢丝、铜丝或其他电线。
- ○ 或者将电池装在电动工具中，或者在牢固按入电池盖并挡住通风孔后再存放，以防止短路（参照图 1）。

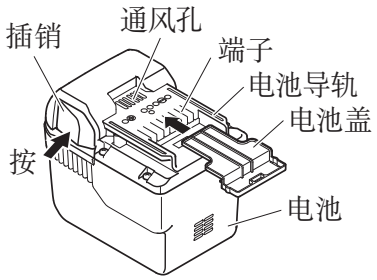


图 1

符号

警告！

如下所示的符号用于本机。使用前请务必理解其含意。

	阅读所有安全警告和所有指示。

规格

电动工具

型式			DH25DL	DH25DAL	DH36DL	DH36DAL
无负荷速度 （节能模式 / 动力模式）			0 — 550 /min, 0 — 1100 /min			
无负荷冲击率 （节能模式 / 动力模式）			0 — 2250 /min , 0 — 4500 /min			
能力	钻孔	混凝土	26 mm			
		金属	13 mm			
		木材	30 mm			
	螺丝紧固	木螺丝	6.2 mm（直径）× 40 mm（长）			
电池			BSL2530：锂离子 25.2 V（3.0 Ah 14 节）		BSL3626：锂离子 36 V（2.6 Ah 20 节）	
重量			3.5 kg	3.6 kg	3.9 kg	4.0 kg

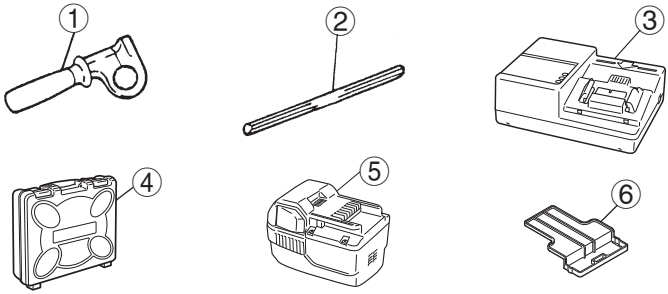
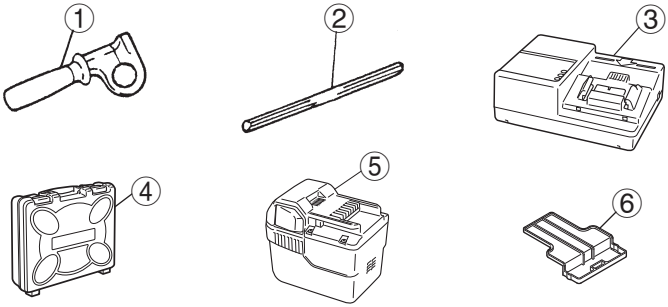
○ 使用木制钻头钻孔时，请勿采用「节能」模式，因为这很可能导致马达烧坏。

充电器

型式	UC36YRL
充电电压	25.2 V 36 V
重量	0.9 kg

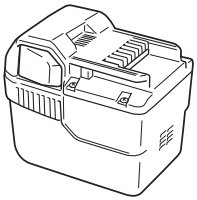
标准附件

除了主机（1 台）外，产品包中还包括表中所列的附件。

DH25DL (2SLRK) DH25DAL (2SLRK)	 ① 侧把手 ..... 1 ② 深度计 ..... 1 ③ 充电器（UC36YRL） ..... 1 ④ 塑料箱 ..... 1 ⑤ 备用电池 (BSL2530) ..... 1 ⑥ 电池盖 1
DH36DL (2SLRK) DH36DAL (2SLRK)	 ① 侧把手 ..... 1 ② 深度计 ..... 1 ③ 充电器 (UC36YRL) ..... 1 ④ 塑料箱 ..... 1 ⑤ 备用电池 (BSL3626) ..... 1 ⑥ 电池盖 1

选购附件（分开销售）

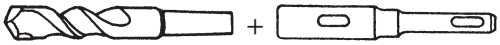
1. 电池 (BSL2530, BSL3626)



准备一些备用电池，工作起来较为便利。

2. 钻开锚栓孔（旋钻＋锤钻）

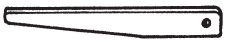
○ 钻头（锥柄）与锥柄附加器



钻头（锥柄）　＋　锥柄附加器（SDS-plus 长柄）

钻头

外径
11.0 mm
12.3 mm
12.7 mm
14.3 mm
14.5 mm
17.5 mm
21.5 mm



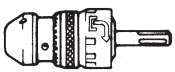
制销

锥柄附加器

锥度模式	适用钻头	
1 号莫氏锥度	钻头（锥柄）	11.0 – 17.5 mm
2 号莫氏锥度	钻头（锥柄）	21.5 mm
A 号 – 锥度	锥柄附加器的 A 锥度或 B 锥度，可以选购，但与其适应的钻头不予供应。	
B 号 – 锥度		

○ 13 mm 电动锤钻夹盘和夹盘扳手

（冲击钻用钻头装置 冲击钻用直柄钻头）　＋



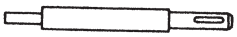
13 mm 电动锤钻夹盘（SDS-plus 长柄）

夹盘扳手

3. 锚栓的装定（旋钻＋锤钻）

○ 锚栓装定附加器（电动锤钻用）

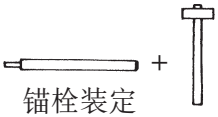
锚栓尺寸
W1/4"
W5/16"
W3/8"



锚栓装定附加器
（电动锤钻用）
（SDS-plus 长柄）

○ 锚栓装定附加器（手锤用）

锚栓尺寸
W1/4"
W5/16"
W3/8"
W1/2"
W5/8"



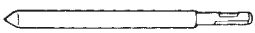
锚栓装定
附加器
（手锤用）

4. 化学锚钉钻钉作业（旋钻＋锤钻）

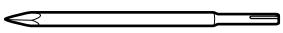
（市售套筒）　＋　（SDS-plus 长柄）
12.7 mm 化学锚钉附加器
19 mm 化学锚钉附加器

5. 粉碎作业（只锤钻）
（仅型式 DH25DAL 和 DH36DAL）

○ 尖钻（圆形）（SDS-plus 长柄）

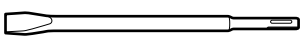


○ 尖钻（方形）（SDS-plus 长柄）

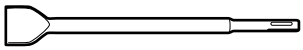


6. 开槽和修边（只锤钻）

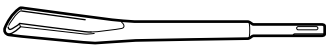
○ 冷錾（SDS-plus 长柄）
（仅型式 DH25DAL 和 DH36DAL）



○ 锯具（SDS-plus 长柄）
（仅型式 DH25DAL 和 DH36DAL）



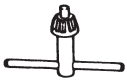
7. 开槽（只锤钻）
开槽錾（SDS-plus 长柄）（仅型式 DH25DAL 和 DH36DAL）



8. 钻孔和旋螺丝（只旋转）

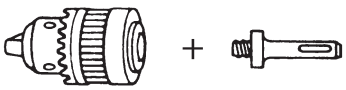
○ 钻头夹盘、夹盘附加器（G）、特种螺丝和夹盘板手

特种螺栓　钻头夹盘（13VLR）　夹盘附加器（G）（SDS-plus 长柄）

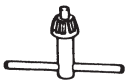


夹盘板手

9. 钻孔（只旋转）



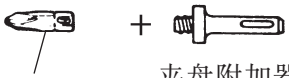
钻头夹盘（13VLA）　夹盘附加器（D）（SDS-plus 长柄）



夹盘扳手

○ 13 mm 的钻头夹盘组件（包含夹盘扳手）和夹盘（用于对钢材和木材的钻孔）。

10.旋螺丝（只旋转）



钻头号码　夹盘附加器（D）（SDS-plus 长柄）

钻头号码	螺丝尺寸	长度
2 号	3 – 5 mm	25 mm
3 号	5 – 8 mm	25 mm

11.集尘杯、集尘器（B）

集尘杯　集尘器（B）

用途

旋钻与锤钻
○ 钻开锚栓孔
○ 对混凝土钻孔
○ 对瓷砖钻孔

单纯旋钻
○ 对钢材或木材钻孔
（与选购附件匹配使用）
○ 旋紧机械螺丝、木螺丝
（与选购附件匹配使用）

单纯锤钻
（仅型式 DH25DAL 和 DH36DAL）
○ 轻凿混凝土、开槽和修边。

电池的拆卸 / 安装法

1. 电池的拆卸法
请先紧抓住把手，然后再推压电池插销以拆下电池（参照图 2 和图 3）。

注意！
切勿使电池短路。

2. 电池的安装法
把电池的导轨对准本体，插入电池。
一定要把电池装紧。

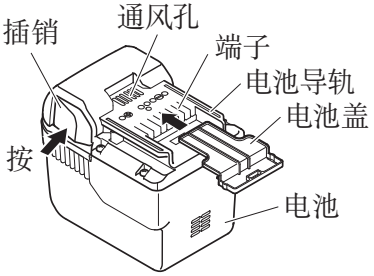


图 2

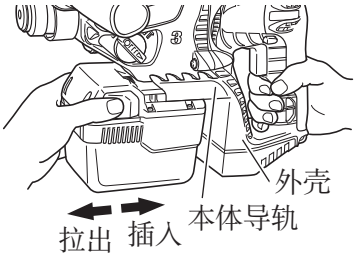


图 3

充电

在使用电动工具之前，请先按以下方法给电池充电。
1. 将充电器的电源线连接到插座。
连接电源线时，充电器的指示灯将闪烁呈红色（以 1 秒的间隔）。
2. 将电池装入充电器
将电池用力插入，直到电池接触到充电器盒的底部。

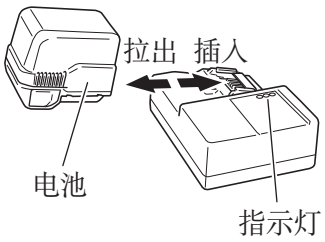


图 4

注意！

若电池按相反方向插入，不仅无法进行充电，而且可能导致如充电器两端变形等问题。

3. 充电

将电池插入充电器后，充电开始，并且，充电器上的指示灯将持续点亮呈红色。电池完全充电后，指示灯将闪烁呈红色（以 1 秒的间隔）（参见表 1）。

(1) 指示灯显示

根据充电器或电池的情况，指示灯的显示如表 1 所示。

表 1

指示灯的显示			
充电前	闪烁 （红色）	点亮 0.5 秒钟，不点亮 0.5 秒钟 （熄灭 0.5 秒钟） 	
充电时	点亮 （红色）	连续点亮 	
充电完成	闪烁 （红色）	点亮 0.5 秒钟，不点亮 0.5 秒钟 （熄灭 0.5 秒钟） 	
无法充电	闪动 （红色）	点亮 0.1 秒钟，不点亮 0.1 秒钟 （熄灭 0.1 秒钟） 	电池或充电器有问题。
过热而等待	点亮 （绿色）	连续点亮 	电池过热。无法充（电池冷却后开始进行充电）。

注：

当等待冷却电池时，UC36YRL 通过冷却风扇使过热电池冷却。

(2) 关于电池的温度

电池的温度如表 2 所示，在充电前应使已发热的电池冷却片刻。

表 2 电池的充电范围

充电器 / 电池	UC36YRL
BSL2530, BSL3626	0℃ – 50℃

(3) 关于充电时间

根据充电器和电池的组合，充电时间如表 3 所示。

表 3 充电时间（于 20℃）

电池类型	充电时间
BSL2530	约 60 分钟
BSL3626	约 80 分钟

注：

根据环境温度的不同，充电时间可能会有所变化。

4. 从电源插座拔下充电器的电源线。
5. 握紧充电器并取出电池。

注：

使用完毕后，务必从充电器中取出电池，并妥善存放。

注意！

○ 如果电池长时间放置在阳光直接照射的地方或者刚刚使用完毕时，电池会变热。如果此时对电池充电，充电器上的指示灯会显示绿色。在此情况下，先让电池冷却下来，然后再充电。

○ 指示灯闪动呈红色时（以 0.2 秒钟的间隔），请检查并取出充电器电池安装孔内的任何异物。若无异物，则可能电池或充电器发生故障。请带去经授权的维修中心检查。

○ 因内置的微机需要约 3 秒钟才能确认正用 UC36YRL 进行充电的电池已被取出，因此请待 3 秒钟后再重新插入电池继续充电。

关于新电池等的放电

因新的和长期未使用的电池内部的化学物质无活性，故第一次和第二次使用时其放电能力可能较低。这是暂时现象，这种电池充电 2 － 3 次后即可恢复其充电所需的正常时间。

较长时间保持电池性能的方法

(1) 在电池电力完全耗尽之前进行充电。

感到电动工具的能力变弱时，请停止使用并给电池充电。若您继续使用电动工具并耗尽电力，电池可能会损坏或其使用寿命缩短。

(2) 避免在高温环境中充电。

使用后电池的温度将迅速升高。若使用后立即对这种电池进行充电，其内部化学物质会劣化，电池使用寿命将缩短。请稍等片刻，待电池冷却后再进行充电。

作业之前

1. 安装钻头（图 5, 6）

注意！

为避免意外事故，请务必关闭开关。

注：

当使用钻头等工具时，请务必使用本公司原装配件。

(1) 清洁钻头柄。

⑵ 旋转钻头将其插入钻头夹盘直至插锁插紧。(图 5)

(3) 拉钻头以检查是否完全插紧。

(4) 卸下钻头时，首先请按箭头所示方向将夹卡完全拉出，然后将钻头从夹卡拉下。

2. 务必正确安装电池。

3. 安装集尘杯和集尘器（B）（选购附件）（图 7 、图 8）

使用电动锤钻进行头上工作时，请装上集尘杯和集尘器（B），以减少灰尘的掉下，便于操作。

○ 集尘杯的安装方法

请按照图 7 所示方法,将集尘杯装在钻头上使用。使用粗径钻头时，请用本电动锤钻将集尘杯的中心孔开大。

○ 集尘器（B）的安装方法

使用集尘器（B）时，请将集尘器（B）与夹卡上的槽对准后，将集尘器（B）从钻头的顶端插进去（图 8）。

注意！

○ 集尘杯和集尘器（B）是专门用于混凝土的钻孔,请勿用于金属、木材的钻孔。

○ 请将集尘器（B）完全插入主机的夹盘部。

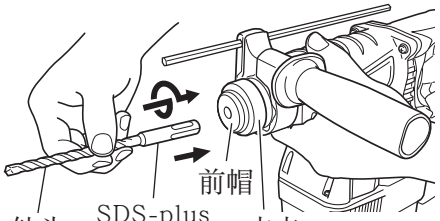


图 5

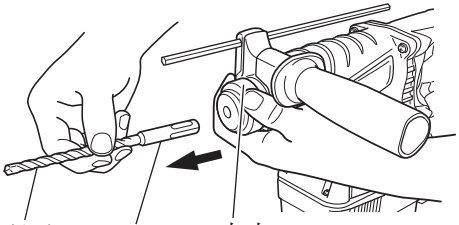


图 6

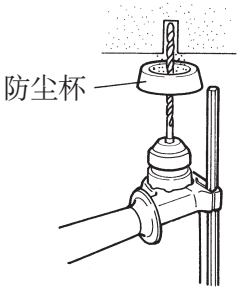


图 7

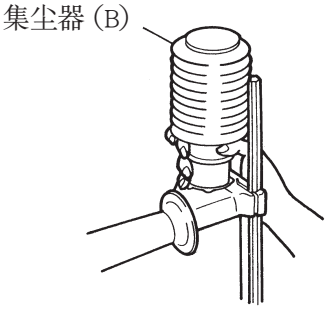


图 8

○ 当集尘器（B）与混凝土表面有一段距离的状态下，打开电动锤钻开关进行工作时，集尘器（B）会跟钻头同时旋转。因此，请务必将集尘杯紧压在混凝土表面上后再打开开关进行钻孔工作。（如将集尘器（B）用于全长 190 mm 以上的钻头时，集尘器（B）便无法贴紧混凝土表面而旋转。因此，请将集尘器（B）与全长 166 mm，160 mm，110 mm 的钻头配套使用。）
○ 每钻 2-3 个孔后，请将粉尘丢掉。
○ 更换钻头时，请卸下集尘器（B）以后再进行。

4. 选择螺丝钻头
   为了避免螺丝头或钻头被损坏,旋螺丝时一定要使用与螺丝直径相配的钻头。
5. 检查钻头的旋转方向（请参照图 9）
   按按钮的 R（右）侧，钻头会顺时针转（从后方看）。（请参照图 9-a）。
   按按钮的 L（左）侧，钻头会逆时针转。（请参照图 9-b）。
6. 连续钻孔
   充电一次，可在混凝土材质上钻出的洞数如表 4 所示。

[自侧柄所见之机体图示]

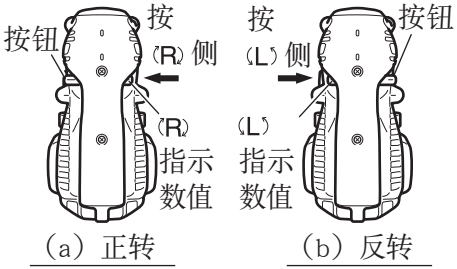


图 9

表 4

钻头直径 (mm)	深度 (mm)	可连续钻孔数（洞）	
		DH25DL / DH25DAL	DH36DL / DH36DAL
6.5	60	115	160
8.5		70	90
12.5		55	65
14.5		45	55
18		25	40
24		12	16
26		7	8

这些资料仅为参考数值。钻孔洞数的多少，会受到钻头的锐利度以及混凝土的坚硬度影响。

注意！

长时间连续使用本电钻，可能会导致机体过热，对马达及开关造成损害。因此使用本机请勿连续超过 15 分钟。

使用方法

锂离子电池使用注意事项

为延长使用期限，锂离子电池配备停止输出的保护功能。因此，如果工具过载，马达可能停止。不过，这只是保护功能作用的结果，而不是故障。在此情况下，松开工具的开关，消除造成过载的原因。

1. 开关操作

○ 压下开关扳机，钻机钻动。松开扳机，钻机停止。

○ 扳机拉出的量可以控制锤钻钻动速度。扳机拉出少许时，速度低，拉出多时，速度快。

○ 松开扳机时，制动会即刻开始。

2. 旋钻＋锤钻

旋转选择杆，将两个“▶”记号双双对准“T”记号，并设定为「旋转＋锤钻」功能（图 10-a, 图 10-b）。

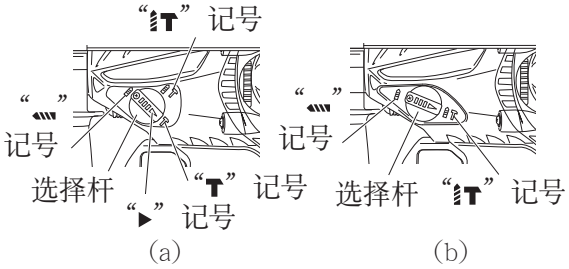


图 10

(1) 安装钻头。

(2) 将钻头尖端放在钻孔位置，然后拉动触发开关。（图 11）

(3) 使用电动锤钻进行作业时，不需要用力推压。只要稍加按压，让钻碎的粉尘徐徐排出即可。

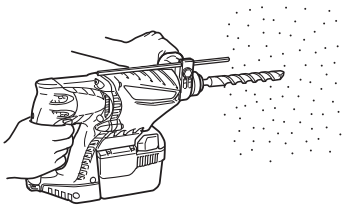


图 11

注意！

钻头碰到建筑物的钢筋时会立即停止转动。但电动锤钻又将随即转动（如图 11），因此，必需握紧侧柄和操作柄。

3. 旋钻

旋转选择杆，将“▶”记号对准“”记号，并设定为「旋转＋锤钻」功能（图 10-a, 图 10-b）。

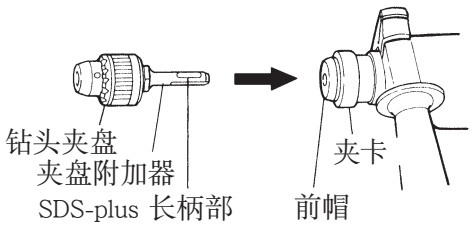


图 12

若利用选购的钻头夹盘及夹盘附加器于木材或金属质材上钻洞，请依照下列步骤进行 - 安装钻头夹盘及夹盘附加器：（图 12）

(1) 将钻头夹盘装配在夹盘附加器上。

(2) SDS-plus 长柄与钻头相同。因此，装配 SDS-plus 长柄时，请参照“安装钻头”处的说明。

注意！

○ 过分用力不仅无助于作业，而且还会损坏钻头的刃尖，缩短钻头的寿命。
○ 从钻孔中抽出钻头时，电动锤钻可能会折断，所以抽出时必须小心。
○ 装有钻头夹盘和夹盘附加器时，不要在旋钻加锤击的功能下使用电动锤钻，这会严重缩短机器各个部件的寿命。

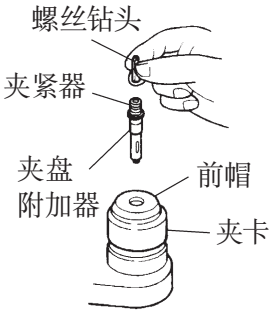


图 13

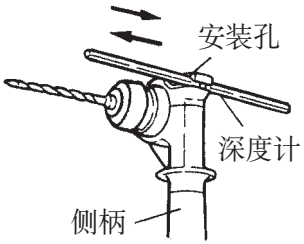


图 14

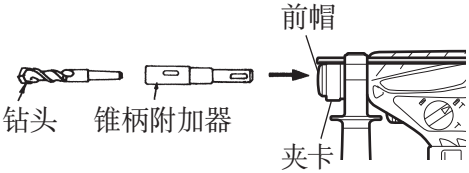


图 15

4. 在旋木螺丝时（图 13）
(1) 选择适当的钻头
如果可以的话，请尽量使用十字头螺丝，因为钻头很容易滑出一字头螺丝的槽。
(2) 旋进木螺丝
在旋进木螺丝之前，在木板上开适当的先导孔，然后把钻头放入螺丝头部的槽内，缓缓地将螺丝旋进孔内。

注意！

在为木螺丝准备先导孔时，应特别注意木板的硬度。如果孔极小或极浅，用较大的力将螺丝旋进孔的话，有时会损坏木螺丝的螺纹。

5. 锤击
旋转选择杆，将“▶”记号对准“ET”记号，并设定为「旋转」功能（第 17 页的图 10-a）
(1) 安装尖钻或冷錾。
6. 使用深度计（图 14）
(1) 旋松侧柄的圆头螺丝，把深度计插进侧柄上的安装孔。
(2) 按孔深调节深度计的位置，然后旋紧圆头螺栓。
7. 钻头（锥柄）和锥柄附加器的使用
(1) 把锥柄附加器安装在电动锤钻上。（图 15）
(2) 把钻头（锤柄）安装在锤柄附加器上。（图 15）
(3) 接通开关，按预定深度钻开一个孔口。

(4) 拆卸钻头时，可将制销插入锥柄附加器的缝隙，把钻头放在台座上，用锥子敲打制销头部。(图 16)

8.「节能」与「动力」模式之间的转换
电钻锤击的力量大小可随用途而调整，只需如图 17 所示操作换档旋钮即可。

(1)「节能」模式 ... 减少锤击力量
可防止直径小于 5 mm 的细钻头弯曲或断裂。

(2)「动力」模式 ... 增加锤击力量

○ 钻头若曾使用过或直径大于 5 mm,则「动力」模式可迅速且有效率地完成钻孔作业。

○ 适用于木材或金属材质上的钻孔作业。

注意！

使用木制钻头钻孔时,请勿采用「节能」模式，因为这很可能导致马达烧坏。

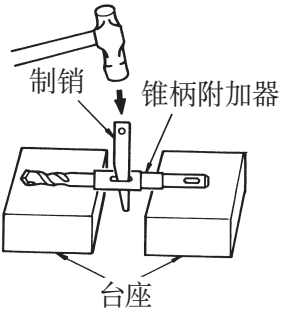


图 16

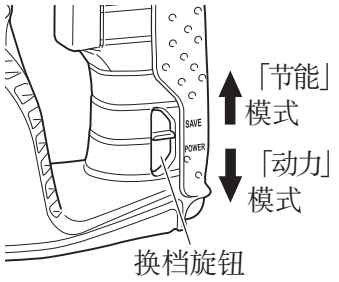


图 17

润滑

此一手提电动锤钻应使用低粘度滑脂。这样，可长时间使用而无需更换滑脂。若滑脂从松动的螺丝中泄漏出来，请与最邻近的服务站联系，更换滑脂。
如果在滑脂缺少的状态下继续使用，手提电动锤钻就会卡住，并因而缩短使用寿命。

注意！

此手提电动锤钻使用指定的滑脂（FG-6A），因此使用其他滑脂可能会对机器性能带来不利影响。请一定让服务站为你更换滑脂。

维护和检查

1. 检查工具
由于使用已经钝化的工具会降低效率并可能引起马达故障，因此一旦注意到磨损情况，就应及早磨快或更换工具。

2. 检查安装螺钉
要经常检查安装螺钉是否紧固妥善。若发现螺钉松了，应立即重新扭紧，否则会导致严重的事故。

3. 电动机的维护
   电动机绕线是电动工具的“心脏部”应仔细检查有无损伤，是否被油液或水沾湿。
4. 清理外部
   电动工具沾污时，用干软布或沾肥皂水的布擦拭。切勿使用氯溶液、汽油或稀释剂，以免塑胶部分溶化。
5. 收藏
   电动工具应收藏于温度低于 40℃和小孩拿不到的地方。

注：

在存放前请确保锂离子电池已完全充电。
电池在低电量的状态下长时间存放（3 个月或更长），可能会导致电池性能劣化，使用时间明显减少或无法进行充电。
但是，即使是使用时间明显减少的电池，通过反复充电和使用 2 ～ 5 次，有时也可恢复使用时间。
若反复充电和使用后电池的使用时间仍非常短，请认作为电池已达到了使用寿命并更换新的电池。

6. 维修零部件一览表

注意！

HiKOKI牌电动工具的维修、改造和检查须由经HiKOKI公司授权的维修中心进行。
当要求维修或其他保养服务时，若将此零部件一览表与电动工具一起呈交给经HiKOKI公司授权的维修中心，将有助于维修或保养工作。
在操作和维修电动工具时，必须遵守贵国制定的安全的有关规则和标准。

关于HiKOKI牌无线电动工具的重要通知：
请确保始终使用我们指定的正版电池。如果使用我们指定以外的电池，或对电池进行拆卸和改动（例如拆卸和更换电池组件或其他内部部件），那么我们无法保证我们无线电动工具的安全性和使用性能。

维修零部件一览表

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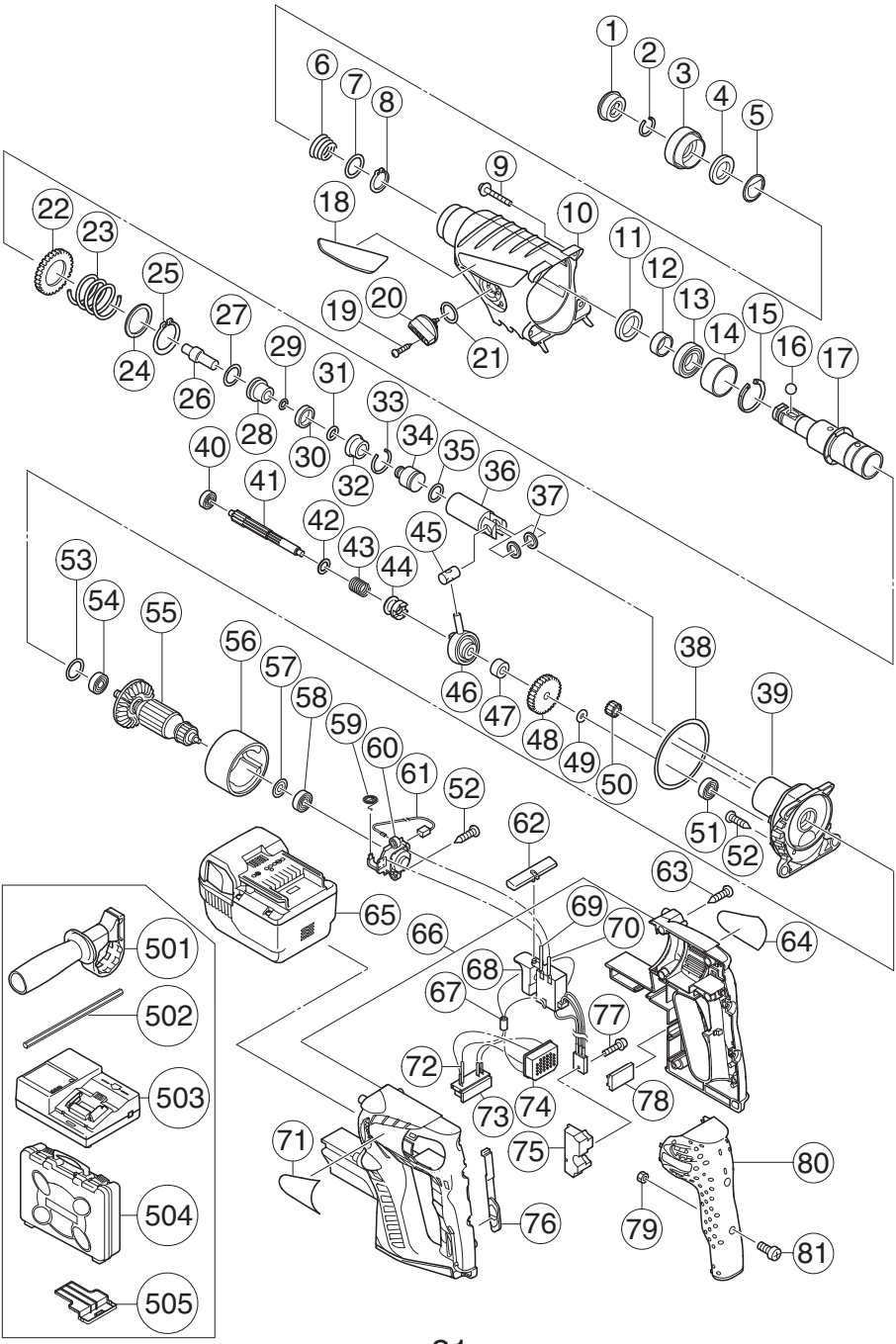


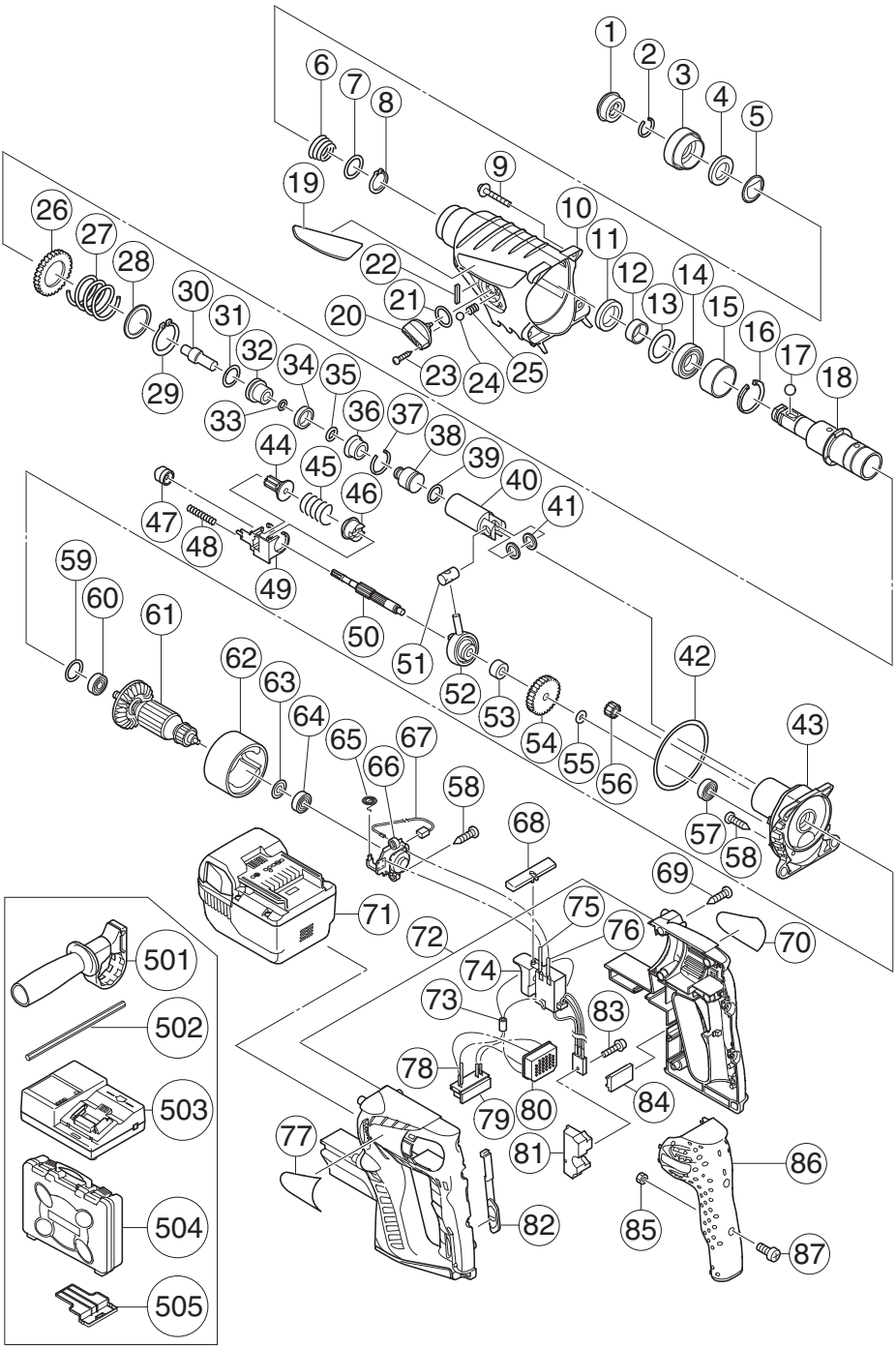
中文

项目号	零件名称	数量
1	前帽	1
2	止动环	1
3	夹卡	1
4	滚珠固定器	1
5	固定器板	1
6	固定器弹簧	1
7	垫圈（B）	1
8	供D20轴使用的扣环	1
9	自攻螺丝（附法兰） D5×25	4
10	齿轮盖（A）	1
11	油封	1
12	轴套	1
13	滚珠轴承6904DDPS2L	1
14	轴套（A）	1
15	扣环37MM	1
16	钢珠D7.0	1
17	汽缸	1
18	品牌标牌	1
19	自攻螺丝D2.6×10	1
20	选择杆（A）	1
21	O型环（S-18）	1
22	第二齿轮	1
23	弹簧（A）	1
24	垫圈（A）	1
25	扣环D30	1
26	第二锤头	1
27	O型环（1AP-20）	1
28	锤头固定器	1
29	O型环（B）	1
30	避震器（A）	1
31	O型环（C）	1
32	避震器固定器	1
33	止动环	1

项目号	零件名称	数量
34	击块	1
35	O型环（I.D. 16）	1
36	柱塞	1
37	垫圈（C）	2
38	O型环（I.D. 72）	1
39	内盖总成（包括51）	1
40	滚珠轴承608DDC2PS2L	1
41	第二轴（A）	1
42	垫圈（B）	1
43	离合器弹簧	1
44	离合器	1
45	柱塞销	1
46	往复轴承	1
47	轴环	1
48	头档齿轮	1
49	垫片	1
50	小齿轮	1
51	滚珠轴承626VVC2PS2L	1
52	自攻螺丝（附法兰） D4×16	4
53	O型环（P-22）	1
54	滚珠轴承608DDC2PS2L	1
55	电枢及小齿轮总成 （包括50、54、57、58）	1
56	磁铁	1
57	垫圈（A）	1
58	滚珠轴承608DDC2PS2L	1
59	弹簧	2
60	刷架	1
61	炭刷	2
62	切换按扭	1
63	自攻螺丝（附法兰） D4×20	6
64	铭牌	1

项目号	零件名称	数量
65	电池BSL2530	2
66	外罩（A）、（B）组	1
67	铁氧体磁芯	1
68	直流调速开关	1
69	内部电线（红色）	1
70	内部电线（黑色）	1
71	品牌标签	1
72	内部电线	1
73	电池端子	1
74	控制器	1
75	散热器	1
76	变速开关	1
77	机用螺丝（附垫圈） M3×12	1
78	橡胶固定器	1
79	螺帽M4	2
80	夹卡盖	1
81	机用螺丝M4×8	2
501	侧把手	1
502	深度计	1
503	充电器（型号UC36YRL）	1
504	箱	1
505	电池盖	1

DH25DAL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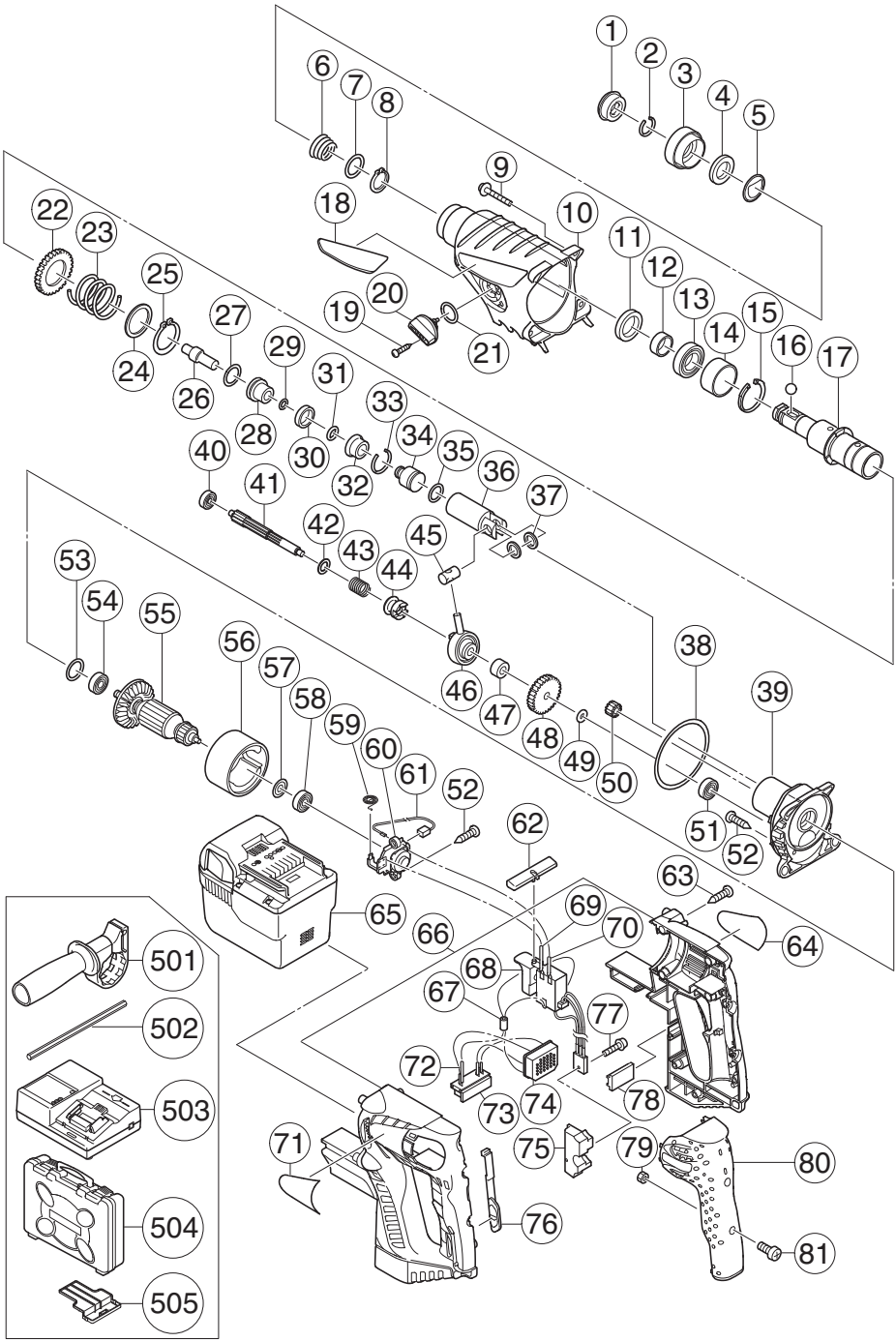
项目号	零件名称	数量
1	前帽	1
2	止动环	1
3	夹卡	1
4	滚珠固定器	1
5	固定器板	1
6	固定器弹簧	1
7	垫圈(B)	1
8	供D20轴使用的扣环	1
9	自攻螺丝（附法兰）D5×25	4
10	齿轮盖（A）	1
11	油封	1
12	轴套	1
13	毛毡填料（B）	1
14	滚珠轴承6904DDPS2L	1
15	轴套（A）	1
16	扣环37MM	1
17	钢珠D7.0	1
18	汽缸	1
19	品牌标牌	1
20	选择杆（A）	1
21	O型环（S-18）	1
22	毛毡填料	1
23	自攻螺丝D2.6×10	1
24	钢珠D3.97	1
25	弹簧（H）	1
26	第二齿轮	1
27	弹簧（A）	1
28	垫圈（A）	1
29	扣环D30	1
30	第二锤头	1
31	O型环（1AP-20）	1
32	锤头固定器	1
33	O型环（B）	1
34	避震器（A）	1
35	O型环（C）	1
36	避震器固定器	1

项目号	零件名称	数量
37	止动环	1
38	击块	1
39	O型环（I.D. 16）	1
40	柱塞	1
41	垫圈（C）	2
42	O型环（I.D. 72）	1
43	内盖总成（包括56）	1
44	第二小齿轮	1
45	离合器弹簧	1
46	离合器	1
47	小齿轮轴套	1
48	弹簧（C）	1
49	锁板	1
50	第二轴（A）	1
51	柱塞销	1
52	往复轴承	1
53	轴环	1
54	头档齿轮	1
55	垫片	1
56	小齿轮	1
57	滚珠轴承626VVC2PS2L	1
58	自攻螺丝（附法兰）D4×16	4
59	O型环（P-22）	1
60	滚珠轴承608DDC2PS2L	1
61	电枢及小齿轮总成（包括55、59、62、63）	1
62	磁铁	1
63	垫圈（A）	1
64	滚珠轴承608DDC2PS2L	1
65	弹簧	2
66	刷架	1
67	炭刷	2
68	切换按扭	1
69	自攻螺丝（附法兰）D4×20	6
70	铭牌	1

中文

项目号	零件名称	数量
71	电池BSL3626	2
72	外罩（A）、（B）组	1
73	铁氧体磁芯	1
74	直流调速开关	1
75	内部电线（红色）	1
76	内部电线（黑色）	1
77	品牌标签	1
78	内部电线	1
79	电池端子	1
80	控制器	1
81	散热器	1
82	变速开关	1
83	机用螺丝（附垫圈） M3×12	1
84	橡胶固定器	1
85	螺帽M4	2
86	夹卡盖	1
87	机用螺丝M4×8	2
501	侧把手	1
502	深度计	1
503	充电器（型号UC36YRL）	1
504	箱	1
505	电池盖	1

DH36DL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中文

项目号	零件名称	数量
1	前帽	1
2	止动环	1
3	夹卡	1
4	滚珠固定器	1
5	固定器板	1
6	固定器弹簧	1
7	垫圈（B）	1
8	供D20轴使用的扣环	1
9	自攻螺丝（附法兰）D5×25	4
10	齿轮盖（A）	1
11	油封	1
12	轴套	1
13	滚珠轴承6904DDPS2L	1
14	轴套（A）	1
15	扣环37MM	1
16	钢珠D7.0	1
17	汽缸	1
18	品牌标牌	1
19	自攻螺丝D2.6×10	1
20	选择杆（A）	1
21	O型环（S-18）	1
22	第二齿轮	1
23	弹簧（A）	1
24	垫圈（A）	1
25	扣环D30	1
26	第二锤头	1
27	O型环（1AP-20）	1
28	锤头固定器	1
29	O型环（B）	1
30	避震器（A）	1
31	O型环（C）	1
32	避震器固定器	1
33	止动环	1
34	击块	1
35	O型环（I.D. 16）	1
36	柱塞	1

项目号	零件名称	数量
37	垫圈（C）	2
38	O型环（I.D. 72）	1
39	内盖总成（包括51）	1
40	滚珠轴承608DDC2PS2L	1
41	第二轴（A）	1
42	垫圈（B）	1
43	离合器弹簧	1
44	离合器	1
45	柱塞销	1
46	往复轴承	1
47	轴环	1
48	头档齿轮	1
49	垫片	1
50	小齿轮	1
51	滚珠轴承626VVC2PS2L	1
52	自攻螺丝（附法兰）D4×16	4
53	O型环（P-22）	1
54	滚珠轴承608DDC2PS2L	1
55	电枢及小齿轮总成（包括50、54、57、58）	1
56	磁铁	1
57	垫圈（A）	1
58	滚珠轴承608DDC2PS2L	1
59	弹簧	2
60	刷架	1
61	炭刷	2
62	切换按扭	1
63	自攻螺丝（附法兰）D4×20	6
64	铭牌	1
65	电池BSL3626	2
66	外罩（A）、（B）组	1
67	铁氧体磁芯	1
68	直流调速开关	1
69	内部电线（红色）	1
70	内部电线（黑色）	1

项目号	零件名称	数量
71	品牌标签	1
72	内部电线	1
73	电池端子	1
74	控制器	1
75	散热器	1
76	变速开关	1
77	机用螺丝（附垫圈）M3×12	1
78	橡胶固定器	1
79	螺帽M4	2
80	夹卡盖	1
81	机用螺丝M4×8	2
501	侧把手	1
502	深度计	1
503	充电器（型号UC36YRL）	1
504	箱	1
505	电池盖	1

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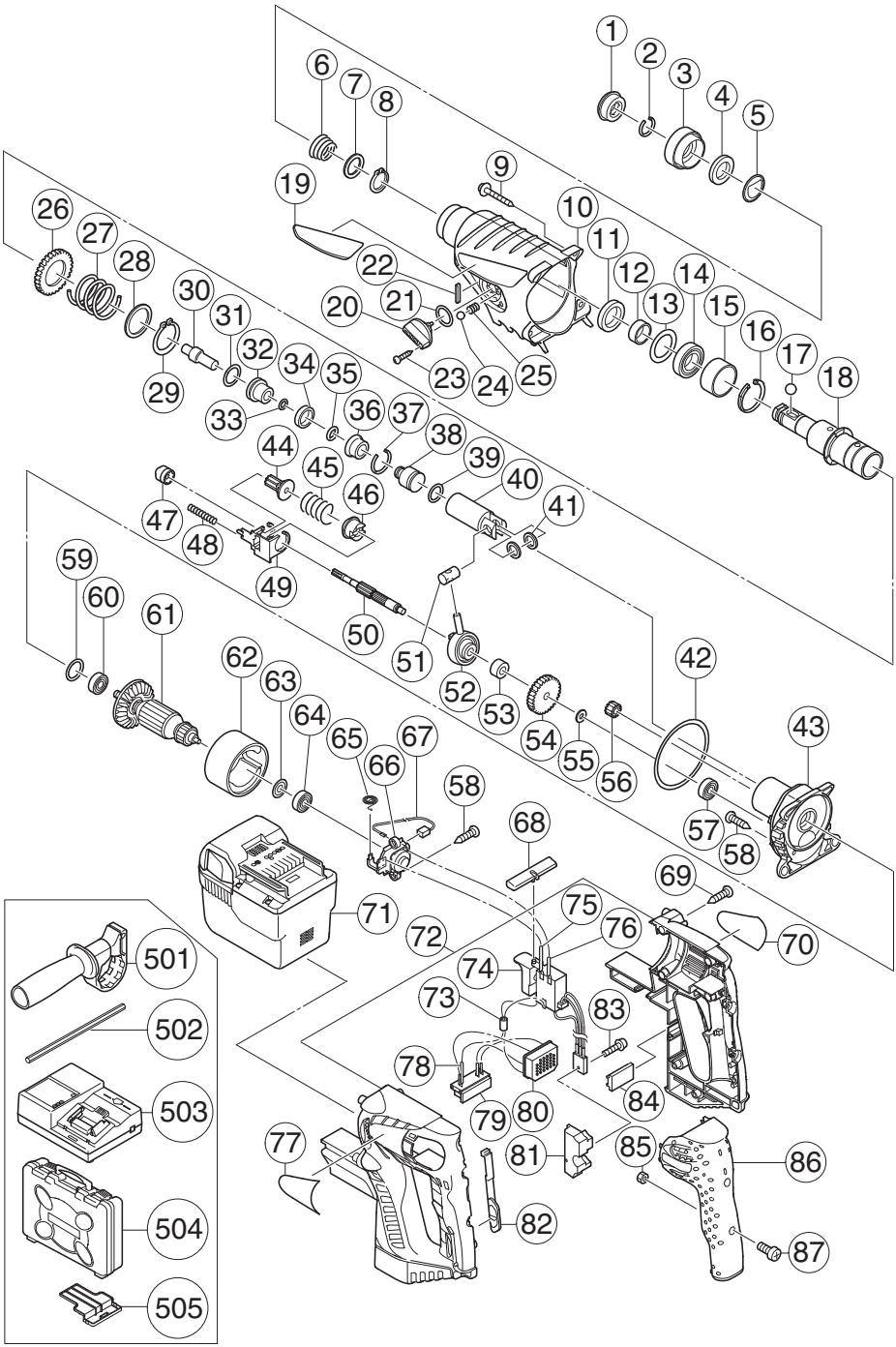
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501
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项目号	零件名称	数量
1	前帽	1
2	止动环	1
3	夹卡	1
4	滚珠固定器	1
5	固定器板	1
6	固定器弹簧	1
7	垫圈（B）	1
8	供D20轴使用的扣环	1
9	自攻螺丝（附法兰） D5×25	4
10	齿轮盖（A）	1
11	油封	1
12	轴套	1
13	毛毡填料（B）	1
14	滚珠轴承6904DDPS2L	1
15	轴套（A）	1
16	扣环37MM	1
17	钢珠D7.0	1
18	汽缸	1
19	品牌标牌	1
20	选择杆（A）	1
21	O型环（S-18）	1
22	毛毡填料	1
23	自攻螺丝D2.6×10	1
24	钢珠D3.97	1
25	弹簧（H）	1
26	第二齿轮	1
27	弹簧（A）	1
28	垫圈（A）	1
29	扣环D30	1
30	第二锤头	1
31	O型环（1AP-20）	1
32	锤头固定器	1
33	O型环（B）	1
34	避震器（A）	1
35	O型环（C）	1
36	避震器固定器	1

项目号	零件名称	数量
37	止动环	1
38	击块	1
39	O型环（I.D. 16）	1
40	柱塞	1
41	垫圈（C）	2
42	O型环（I.D. 72）	1
43	内盖总成（包括56）	1
44	第二小齿轮	1
45	离合器弹簧	1
46	离合器	1
47	小齿轮轴套	1
48	弹簧（C）	1
49	锁板	1
50	第二轴（A）	1
51	柱塞销	1
52	往复轴承	1
53	轴环	1
54	头档齿轮	1
55	垫片	1
56	小齿轮	1
57	滚珠轴承626VVC2PS2L	1
58	自攻螺丝（附法兰） D4×16	4
59	O型环（P-22）	1
60	滚珠轴承608DDC2PS2L	1
61	电枢及小齿轮总成 （包括55、59、62、63）	1
62	磁铁	1
63	垫圈（A）	1
64	滚珠轴承608DDC2PS2L	1
65	弹簧	2
66	刷架	1
67	炭刷	2
68	切换按扭	1
69	自攻螺丝（附法兰） D4×20	6
70	铭牌	1

中文

项目号	零件名称	数量
71	电池BSL3626	2
72	外罩（A）、（B）组	1
73	铁氧体磁芯	1
74	直流调速开关	1
75	内部电线（红色）	1
76	内部电线（黑色）	1
77	品牌标签	1
78	内部电线	1
79	电池端子	1
80	控制器	1
81	散热器	1
82	变速开关	1
83	机用螺丝（附垫圈） M3×12	1
84	橡胶固定器	1
85	螺帽M4	2
86	夹卡盖	1
87	机用螺丝M4×8	2
501	侧把手	1
502	深度计	1
503	充电器（型号UC36YRL）	1
504	箱	1
505	电池盖	1

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GENERAL POWER TOOL SAFETY WARNINGS

⚠ 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) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**
Use of an RCD reduces the risk of electric shock.

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 dust collection 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 tool's 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, 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) Recharge only with the charger specified by the manufacturer.
A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) Use power tools only with specifically designated battery packs.
Use of any other battery packs may create a risk of injury and fire.

c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.
Shorting the battery terminals together may cause burns or a fire.

d) 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 the safety of the power tool is maintained.

CAUTION

Keep children and infirm persons away.
When not in use, tools should be stored out of reach of children and infirm persons.

CORDLESS ROTARY HAMMER SAFETY WARNINGS

1. **Wear ear protectors.**
   Exposure to noise can cause hearing loss.
2. **Use auxiliary handles supplied with the tool.**
   Loss of control can cause personal injury.
3. **Always charge the battery at a temperature of 0 – 40°C.**
   A temperature of less than 0°C will result in over charging which is dangerous. The battery cannot be charged at a temperature higher than 40°C.
   The most suitable temperature for charging is that of 20 – 25°C.
4. **Do not use the charger continuously.**
   When one charging is completed, leave the charger for about 15 minutes before the next charging of battery.
5. **Do not allow foreign matter to enter the hole for connecting the battery.**
6. **Never disassemble the battery and charger.**
7. **Never short-circuit the battery. Short-circuiting the battery will cause a great electric current and overheat. It results in burn or damage to the battery.**
8. **Do not dispose of the battery in fire.**
   If the battery is burnt, it may explode.
9. **When using this unit continuously, the unit may overheat, leading to damage in the motor and switch. Please leave it without using it for approximately 15 minutes.**
10. **Do not insert object into the air ventilation slots of the charger.**
    Inserting metal objects or inflammables into the charger air ventilation slots will result in electrical shock hazard or damaged charger.
11. **Using an exhausted battery will damage the charger.**
12. **When drilling in wall, floor or ceiling, check for buried electric power cord, etc.**
13. **Bring the battery to the shop from which it was purchased as soon as the post-charging battery life becomes too short for practical use. Do not dispose of the exhausted battery.**
14. **Do not touch the bit during or immediately after operation. The bit becomes very hot during operation and could cause serious burns.**
15. **Always hold the body handle and side handle of the power tool firmly. Otherwise the counterforce produced may result in inaccurate and even dangerous operation.**
16. **Wear a dust mask**
    Do not inhale the harmful dusts generated in drilling or chiseling operation. The dust can endanger the health of yourself and bystandersy.

CAUTION ON LITHIUM-ION BATTERY

To extend the lifetime, the lithium-ion battery equips with the protection function to stop the output.
In the cases of 1 and 2 described below, when using this product, even if you are pulling the switch, the motor may stop. This is not the trouble but the result of protection function.

1. When the battery power remaining runs out, the motor stops.
   In such case, charge it up immediately.
2. If the tool is overloaded, the motor may stop. In this case, release the switch of tool and eliminate causes of overloading. After that, you can use it again.

Furthermore, please heed the following warning and caution.

WARNING

In order to prevent any battery leakage, heat generation, smoke emission, explosion and ignition beforehand, please be sure to heed the following precautions.

1. Make sure that swarf and dust do not collect on the battery.
   - ○ During work make sure that swarf and dust do not fall on the battery.
   - ○ Make sure that any swarf and dust falling on the power tool during work do not collect on the battery.
   - ○ Do not store an unused battery in a location exposed to swarf and dust.
   - ○ Before storing a battery, remove any swarf and dust that may adhere to it and do not store it together with metal parts (screws, nails, etc.).
2. Do not pierce battery with a sharp object such as a nail, strike with a hammer, step on, throw or subject the battery to severe physical shock.
3. Do not use an apparently damaged or deformed battery.
4. Do not use the battery in reverse polarity.
5. Do not connect directly to an electrical outlets or car cigarette lighter sockets.
6. Do not use the battery for a purpose other than those specified.
7. If the battery charging fails to complete even when a specified recharging time has elapsed, immediately stop further recharging.
8. Do not put or subject the battery to high temperatures or high pressure such as into a microwave oven, dryer, or high pressure container.
9. Keep away from fire immediately when leakage or foul odor are detected.
10. Do not use in a location where strong static electricity generates.
11. If there is battery leakage, foul odor, heat generated, discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the equipment or battery charger, and stop use.

CAUTION

1. If liquid leaking from the battery gets into your eyes, do not rub your eyes and wash them well with fresh clean water such as tap water and contact a doctor immediately.
   If left untreated, the liquid may cause eye-problems.
2. If liquid leaks onto your skin or clothes, wash well with clean water such as tap water immediately.
   There is a possibility that this can cause skin irritation.
3. If you find rust, foul odor, overheating, discolor, deformation, and/or other irregularities when using the battery for the first time, do not use and return it to your supplier or vendor.

WARNING

If an electrically conductive foreign object enters the terminals of the lithium ion battery, a short-circuit may occur resulting in the risk of fire. Please observe the following matters when storing the battery.

- ○ **Do not place electrically conductive cuttings, nails, steel wire, copper wire or other wire in the storage case.**
- ○ **Either install the battery in the power tool or store by securely pressing into the battery cover until the ventilation holes are concealed to prevent short-circuits (See Fig. 1).**

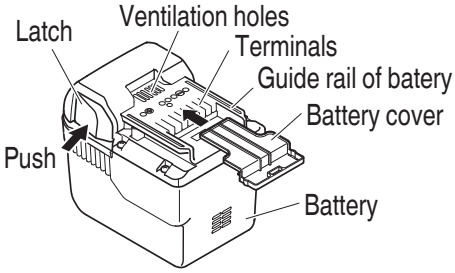


Fig. 1

SYMBOL

WARNING

The following show symbols used for the machine. Be sure that you understand their meaning before use.

	Read all safety warnings and all instructions.

SPECIFICATIONS

POWER TOOL

Model			DH25DL	DH25DAL	DH36DL	DH36DAL
No-load speed Save/Power			0 – 550 /min / 0 – 1100 /min			
Full-load impact rate Save/Power			0 – 2250 /min / 0 – 4500 /min			
Capacity	Drilling	Concrete	26 mm			
		Steel	13 mm			
		Wood	30 mm			
	Driving	Wood screw	6.2 mm (diameter) × 40 mm (length)			
Battery			BSL2530: Li-ion 25.2 V (3.0 Ah 14 cells)		BSL3626: Li-ion 36 V (2.6 Ah 20 cells)	
Weight			3.5 kg	3.6 kg	3.9 kg	4.0 kg

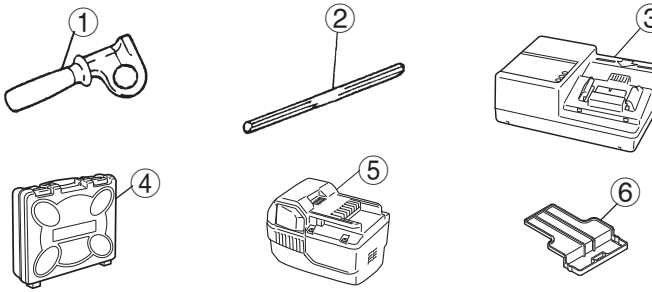
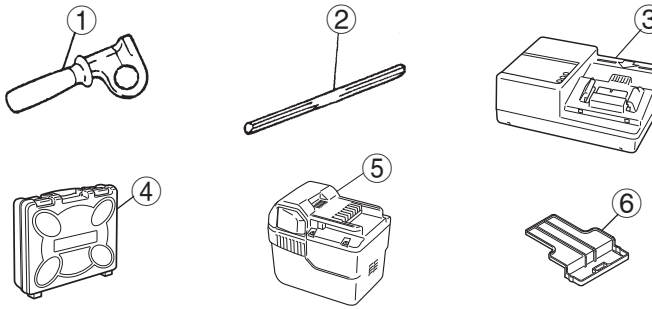
○ Do not use the “SAVE” mode when boring holes with the wood drill. There is a likelihood that the motor will burn out.

CHARGER

Model	UC36YRL
Charging voltage	25.2 V 36 V
Weight	0.9 kg

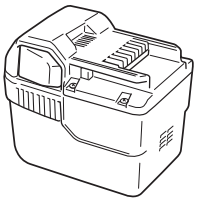
STANDARD ACCESSORIES

In addition to the main unit (1 unit), the package contains the accessories listed in the below.

DH25DL (2SLRK) DH25DAL (2SLRK)	 ① Side handle ..... 1 ② Depth gauge ..... 1 ③ Charger (UC36YRL) ..... 1 ④ Plastic case ..... 1 ⑤ Extra battery (BSL2530) ..... 1 ⑥ Battery cover 1
DH36DL (2SLRK) DH36DAL (2SLRK)	 ① Side handle ..... 1 ② Depth gauge ..... 1 ③ Charger (UC36YRL) ..... 1 ④ Plastic case ..... 1 ⑤ Extra battery (BSL3626) ..... 1 ⑥ Battery cover 1

OPTIONAL ACCESSORIES (sold separately)

1. Battery (BSL2530, BSL3626)



It may be convenient to prepare some extra batteries.

2. Drilling anchor holes (rotation + hammering)

○ Drill bit (taper shank) and taper shank adapter

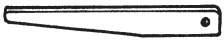
Drill bit (taper shank)

\+

Taper shank adapter (SDS plus shank)

Drill bit

Outer diameter
11.0 mm
12.3 mm
12.7 mm
14.3 mm
14.5 mm
17.5 mm
21.5 mm



Cotter

Taper shank adapter

Taper mode	Applicable drill bit	
Morse taper (No. 1)	Drill bit (taper shank)	11.0 – 17.5 mm
Morse taper (No. 2)	Drill bit (taper shank)	21.5 mm
A-taper	Taper shank adapter formed A-taper or B-taper is provided as an optional accessory, but drill bit for it is not provided.	
B-taper		

○ 13 mm Hammer Drill chuck and Chuck wrench

(Impact Drill Application Straight Shank Bit)

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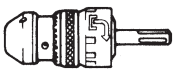
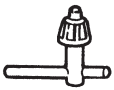


13 mm Hammer Drill Chuck (SDS plus shank)

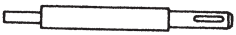


Chuck wrench

3. Anchor setting (rotation + hammering)

○ Anchor setting adapter (for rotary hammer)

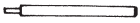
Anchor size
W1/4”
W5/16”
W3/8”



Anchor setting adapter
(for rotary hammer)
(SDS plus shank)

○ Anchor setting adapter (for manual hammer)

Anchor size
W1/4”
W5/16”
W3/8”
W1/2”
W5/8”



Anchor setting adapter
(for manual hammer)

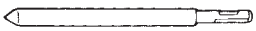
4. Bolt placing operation with Chemical Anchor. (rotation + hammering)

(Standard socket on the market)

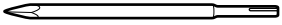
(SDS plus shank)
12.7 mm Chemical Anchor Adapter
19 mm Chemical Anchor Adapter

5. Demolishing operation (Hammering only)
(Model DH25DAL and DH36DAL only)

○ Bull point (Round type) (SDS-plus shank)

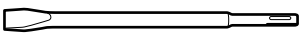


○ Bull point (Square type) (SDS-plus shank)

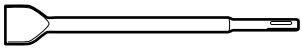


6. Groove digging and edging (Hammering only)

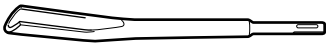
○ Cold chisel (SDS-plus shank)
(Model DH25DAL and DH36DAL only)



○ Cutter (SDS-plus shank)
(Model DH25DAL and DH36DAL only)



7. Grooving (Hammering only)
Grooving chisel (SDS-plus shank) (Model DH25DAL and DH36DAL only)



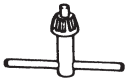
8. Drilling holes and driving screws (rotation only)

○ Drill chuck, chuck adapter (G) and chuck wrench

Special screw

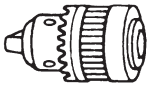
Drill chuck (13VLR)

Chuck adapter (G)
(SDS plus shank)



Chuck wrench

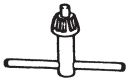
9. Drilling holes (rotation only)



Drill chuck (13VLA)

\+

Chuck adapter (D) (SDS plus shank)



Chuck wrench

○ 13 mm drill chuck ass'y (include chuck wrench ass'y) and chuck (for drilling in steel or wood).

10. Driving Screws (rotation only)

Bit No.

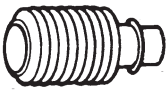
\+

Chuck adapter (D) (SDS plus shank)

Bit No.	Screw Size	Length
No. 2	3 – 5 mm	25 mm
No. 3	5 – 8 mm	25 mm

11. Dust cup, Dust collector (B)

Dust cup



Dust collector (B)

APPLICATIONS

Rotation and hammering function
- ○ Drilling anchor holes
- ○ Drilling holes in concrete
- ○ Drilling holes in tile

Rotation only function
- ○ Drilling in steel or wood (with optional accessories)
- ○ Tightening machine screws, wood screws (with optional accessories)

Hammering only function (Model DH25DAL and DH36DAL only)
- ○ Light-duty chiselling of concrete, groove digging and edging.

BATTERY REMOVAL/INSTALLATION

1. Battery removal
   Hold the handle tightly and push the battery latches to remove the battery (see **Figs. 2** and **3**).

CAUTION

Never short-circuit the battery.

2. Battery installation
   Insert the battery aligning both guide rail of battery and body. Make sure the battery is fixed firmly.

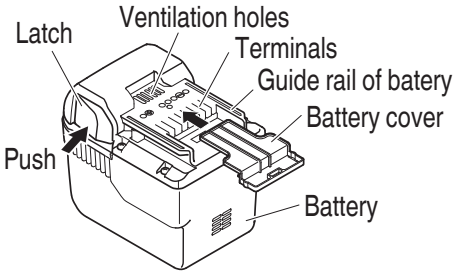


Fig. 2

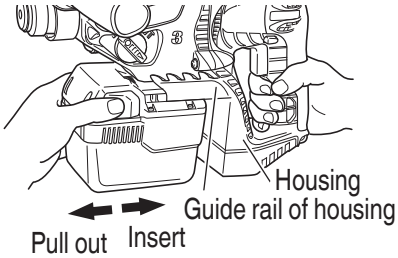


Fig. 3

CHARGING

Before using the power tool, charge the battery as follows.

1. Connect the charger's power cord to a receptacle
   When the power cord is connected, the charger's pilot lamp will blink in red (At 1-second intervals).
2. Insert the battery into the charger
   Insert the battery firmly, until it contacts the bottom of the charger compartment.

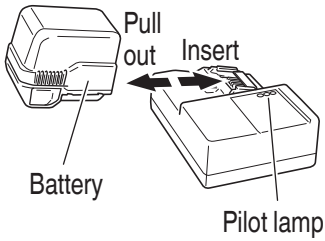


Fig. 4

CAUTION

If the battery is inserted in the reverse direction, not only recharging will become impossible, but it may also cause problems in the charger such as deformed recharging terminal.

3. Charging
   When inserting a battery in the charger, charging will commence and the pilot lamp will light up continuously in red.
   When the battery becomes fully recharged, the pilot lamp will blink in red (At 1-second intervals). (See **Table 1 on page 44**)

(1) Pilot lamp indication
The indications of the pilot lamp will be as shown in **Table 1**, according to the condition of the charger or the battery.

Table 1

Indications of the lamp			
Before charging	Blinks (RED)	Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)	
While charging	Lights (RED)	Lights continuously	
Charging complete	Blinks (RED)	Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)	
Charging impossible	Flickers (RED)	Lights for 0.1 seconds. Does not light for 0.1 seconds. (off for 0.1 seconds)	Malfunction in the battery or the charger
Overheat standby	Lights (GREEN)	Lights continuously	Battery overheated. Unable to charge. (Charging will commence when battery cools)

NOTE
When standby for cooling battery, UC36YRL cools the overheated battery by cooling fan.

(2) Regarding the temperatures of the battery
The temperatures for batteries are as shown in **Table 2**, and batteries that have become hot should be cooled for a while before being recharged.

Table 2 Recharging ranges of batteries

Charger / Batteries	UC36YRL
BSL2530, BSL3626	0°C – 50°C

(3) Regarding recharging time
Depending on the type of the battery, the charging time will become as shown in **Table 3**.

Table 3 Charging time (At 20°C)

Battery type	Recharging time
BSL2530	Approx. 60 min.
BSL3626	Approx. 80 min.

NOTE
The charging time may vary according to ambient temperature and power source voltage.

4. Disconnect the charger's power cord from the receptacle
5. Hold the charger firmly and pull out the battery

NOTE

Be sure to pull out the battery from the charger after use, and then keep it.

CAUTION

- **If the battery is charged while it is heated because it has been left for a long time in a location subject to direct sunlight or because the battery has just been used, the pilot lamp of the charger lights up green. In such a case, first let the battery cool, then start charging.**
- **When the pilot lamp flickers in red quickly (at 0.2 – second intervals), check for and take out any foreign objects in the charger's battery installation hole. If there are no foreign objects, it is probable that the battery or charger is malfunctioning. Take it to your Authorized Service Center.**
- **Since the built-in micro computer takes about 3 seconds to confirm that the battery being charged with UC36YRL is taken out, wait for a minimum of 3 seconds before reinserting it to continue charging. If the battery is reinserted within 3 seconds, the battery may not be properly charged.**

Regarding electric discharge in case of new batteries, etc.

As the internal chemical substance of new batteries and batteries that have not been used for an extended period is not activated, the electric discharge might be low when using them the first and second time. This is a temporary phenomenon, and normal time required for recharging will be restored by recharging the batteries 2 – 3 times.

How to make the batteries perform longer.

(1) Recharge the batteries before they become completely exhausted.
When you feel that the power of the tool becomes weaker, stop using the tool and recharge its battery. If you continue to use the tool and exhaust the electric current, the battery may be damaged and its life will become shorter.

(2) Avoid recharging at high temperatures.
A battery will be hot immediately after use. If such a battery is recharged immediately after use, its internal chemical substance will deteriorate, and the battery life will be shortened. Leave the battery and recharge it after it has cooled for a while.

PRIOR TO OPERATION

1. Mounting the drill bit (**Fig. 5, 6**)

CAUTION

To prevent accidents, make sure to turn the switch off.

NOTE

When using tools such as drill bits, etc., make sure to use the genuine parts designated by our company.

(1) Clean the shank portion of the drill bit.

(2) Insert the drill bit in a twisting manner into the tool holder until it latches itself. (**Fig. 5**)

(3) Check the latching by pulling on the drill bit.

(4) To remove the drill bit, fully pull the grip in the direction of the arrow and pull out the drill bit. (**Fig. 6**)

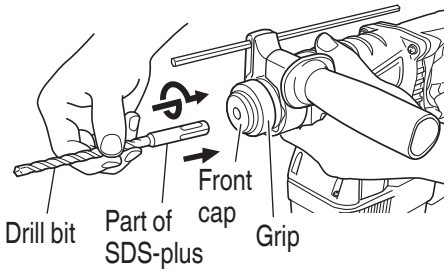


Fig. 5

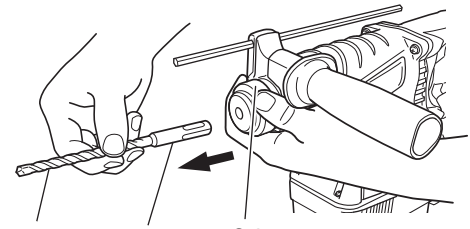


Fig. 6

2. Confirm that the battery is mounted correctly

3. Installation of dust cup or dust collector (B) (Optional accessories) (**Fig. 7, Fig. 8**)
When using a rotary hammer for upward drilling operations attach a dust cup or a dust collector (B) to collect dust or particles for easy operation.

○ Installing the dust cup
Use the dust cup by attaching to the drill bit as shown in **Fig. 7**.
When using a bit which has big diameter, enlarge the center hole of the dust cup with this rotary hammer.

○ Installing dust collector (B)
When using dust collector (B), insert dust collector (B) from the tip of the bit by aligning it to the groove on the grip. (**Fig. 8**).

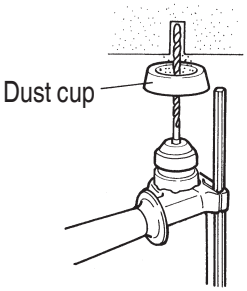


Fig. 7

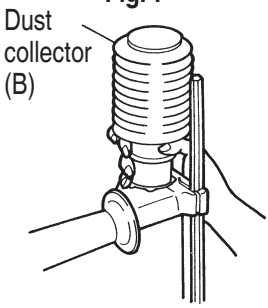


Fig. 8

CAUTION

○ **The dust cup and dust collector (B) are for exclusive use of concrete drilling work. Do not use them for wood or metal drilling work.**

○ **Insert dust collector (B) completely into the chuck part of the main unit.**

- ○ **When turning the rotary hammer on while dust collector (B) is detached from a concrete surface, dust collector (B) will rotate together with the drill bit. Make sure to turn on the switch after pressing dust cup on the concrete surface. When using dust collector (B) attached to a drill bit that has more than 190 mm of overall length, dust collector (B) cannot touch the concrete surface and will rotate. Therefore, please use dust collector (B) by attaching to drill bits which have 166 mm, 160 mm, and 110 mm overall length.**
- ○ **Dump particles after every two or three holes when drilling.**
- ○ **Please replace the drill bit after removing dust collector (B).**

4. Selecting the driver bit
   Screw heads or bits will be damaged unless a bit appropriate for the screw diameter is employed to drive in the screws.
5. Confirm the direction of bit rotation (**Fig. 9**)
   The bit rotates clockwise (viewed from the rear side) by pushing the R-side of the push button. (**Fig. 9-a**)
   The L-side of the push button is pushed to turn the bit counterclockwise. (**Fig. 9-b**)
6. Continuous drilling
   The number of holes that can be drilled in concrete after one recharge is shown in **Table 4**.

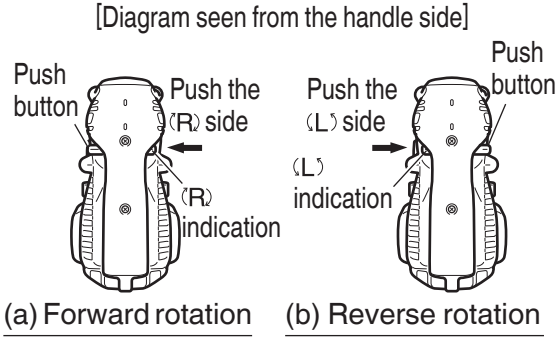


Fig. 9

Table 4

Bit dia. (mm)	Depth (mm)	Possible continuous drilling number (holes)	
		DH25DL / DH25DAL	DH36DL / DH36DAL
6.5	60	115	160
8.5		70	90
12.5		55	65
14.5		45	55
18		25	40
24		12	16
26		7	8

These data are for the referential values. The number of holes that can be drilled varies according to the sharpness of the used bit or the conditions of the concrete being drilled.

CAUTION

When using this unit continuously, the unit may overheat, leading to damage in the motor and switch.
Please leave it without using it for approximately 15 minutes.

HOW TO USE

CAUTION on lithium-ion battery

To extend the lifetime, the lithium-ion battery equips with the protection function to stop the output. Therefore, if the tool is overloaded, the motor may stop. However, this is not the trouble but the result of protection function. In this case, release the switch of tool and eliminate the causes of overloading.

1. Switch operation

○ When the switch trigger is depressed, the tool rotates. When the switch trigger is released, the tool stops.

○ The rotational speed of the rotary hammer can be controlled by varying the amount that the switch trigger is pulled. Speed is low when the switch trigger is pulled slightly and increases as the switch trigger is pulled more.

○ When releasing the switch trigger, the brake will be applied for immediate stopping.

2. Rotation + Hammering
Align the "▶" mark with the "T" mark by rotating the change lever to set the "Rotation + Hammering" function. (**Fig. 10-a**, **Fig. 10-b**)

(1) Mount the drill bit.

(2) Pull the trigger switch after applying the drill bit tip to the drilling position. (**Fig. 11**)

(3) Pushing the rotary hammer forcibly is not necessary at all. Pushing slightly so that drill dust comes out gradually is just sufficient.

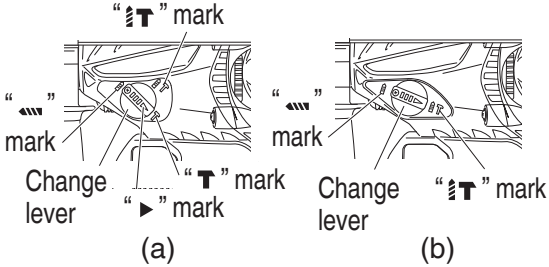


Fig. 10

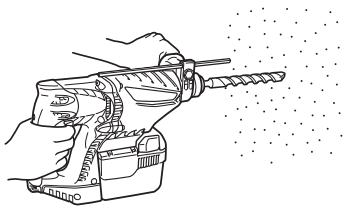


Fig. 11

CAUTION

When the drill bit touches construction iron bar, the bit will stop immediately and the rotary hammer will react to revolve. Therefore please grip the side handle and handle tightly as shown in Fig. 11.

3. Rotation only
Align the "▶" mark with the "" mark by rotating the change lever to set the "Rotation only" function. (**Fig. 10-a**, **Fig. 10-b**)

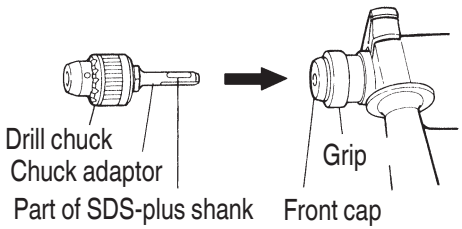


Fig. 12

To drill a wood or metal material using the optional drill chuck and chuck adapter, proceed as follows. Installing drill chuck and chuck adapter: (**Fig. 12**)

(1) Attach the drill chuck to the chuck adaptor.
(2) The part of the SDS-plus shank is the same as the drill bit. Therefore, refer to the item of "Mounting the drill bit" for attaching it.

CAUTION

- **Application of force more than necessary will not only expedite work at all, but will deteriorate the tip edge of the drill bit and reduce the service life of the rotary hammer in addition.**
- **Drill bit may snap off while withdrawing the rotary hammer from the drilled hole. For withdrawing, it is important to use a pushing motion.**
- **Do not attempt to use the rotary hammer in the rotation and striking mode with the drill chuck and chuck adapter attached. This would seriously shorten the service life of every component of the machine.**

4. When driving wood screws (**Fig. 13**)
(1) Selecting a suitable driver bit
Employ plus-head screws, if possible, since the driver bit easily slips off the heads of slotted-head screws.
(2) Tightening wood screws
Prior to tightening wood screws, make pilot holes suitable for them in the wooden board. Apply the bit to the screw head grooves and gently drive the screws in the holes.

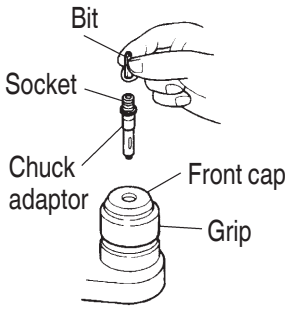


Fig. 13

CAUTION

Exercise care in preparing a pilot hole suitable for the wood screw taking the hardness of the wood into consideration. Should the hole be excessively small or shallow, requiring much power to drive the screw into it, the thread of the wood screw may sometimes be damaged.

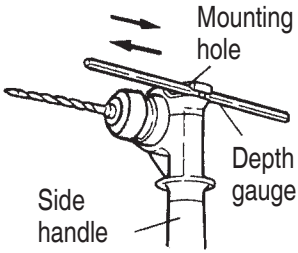


Fig. 14

5. Hammering only
Align the "▶" mark with the "T" mark by rotating the change lever to set the "Hammering only" function. (**Fig. 10-a**)
(1) Mount the bull point or cold chisel.
6. Using depth gauge (**Fig. 14**)
(1) Loosen the knob on the side handle, and insert the depth gauge into the mounting hole on the side handle.

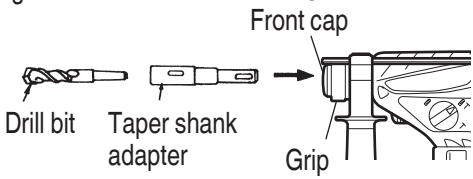


Fig. 15

(2) Adjust the depth gauge position according to the depth of the hole and tighten the knob bolt securely.
7. How to use the drill bit (taper shank) and the taper shank adapter
(1) Mount the taper shank adapter to the rotary hammer. (**Fig. 15**)

(2) Mount the drill bit (taper shank) to the taper shank adapter. (**Fig. 15 on page 49**)
(3) Turn the switch ON, and drill a hole to prescribed depth.
(4) To remove the drill bit (taper shank), insert the cotter into the slot of the taper shank adapter and strike the head of the cotter with a hammer supporting on the rest. (**Fig. 16**)

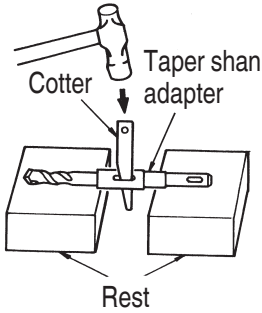


Fig. 16

8. Switching between the "SAVE" and the "POWER" modes
The hammering force of the hammer can be increased or decreased to conform with intended usage, by operating the shift knob as per **Fig. 17**. Adjust the force to match the usage intended.
(1) "SAVE" mode ... decreased hammering force
This can prevent thin drill bits which are less than 5 mm in diameter, from being bent or broken.
(2) "POWER" mode ... increased hammering force
○ This can be used to speedily and efficiently drill holes when the drill bits which are being used are greater than 5 mm in diameter.
○ This can be used to drill holes into wood or metal.

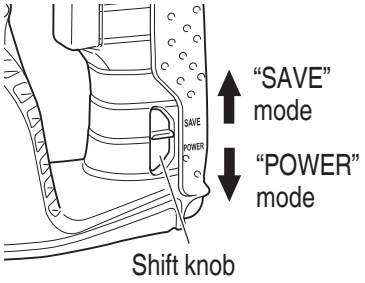


Fig. 17

CAUTION

Do not drill holes in wood with the "SAVE" mode. There is a likelihood that the motor will burn out because it can easily lock up due to the low power.

LUBRICATION

Low viscosity grease is applied to this rotary hammer so that it can be used for a long period without replacing the grease. Please contact the nearest service center for grease replacement when any grease is leaking form loosened screw.
Further use of the rotary hammer despite the grease shortage causes damage to reduce the service life.

CAUTION

A specific grease (FG-6A) is used with this machine, therefore, the normal performance of the machine may be badly affected by use of different grease. Please be sure to let one of our service centers to undertake replacement of the grease.

MAINTENANCE AND INSPECTION

1. Inspecting the tool
Since use of as dull tool will degrade efficiency and cause possible motor malfunction, sharpen or replace the tool as soon as abrasion is noted.

2. Inspecting the mounting screws
   Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.
3. Maintenance of the motor
   The motor unit winding is the very “heart” of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.
4. Cleaning on the outside
   When the power tool is stained, wipe with a soft dry cloth or a cloth moistened with soapy water. Do not use chloric solvents, gasoline or paint thinner, as they melt plastics.
5. Storage
   Store the power tool in a place in which the temperature is less than 40°C and out of reach of children.

NOTE

Make sure the lithium-ion batteries have been fully charged before storing them.
Prolonged storage (3 months or more) of batteries with a low charge may result in performance deterioration, significantly reducing battery usage time or rendering the batteries incapable of holding a charge.
However, significantly reduced battery usage time may be recovered by repeatedly charging and using the batteries two to five times.
If the battery usage time is extremely short despite repeated charging and use, consider the batteries dead and purchase new batteries.

6. Service parts list

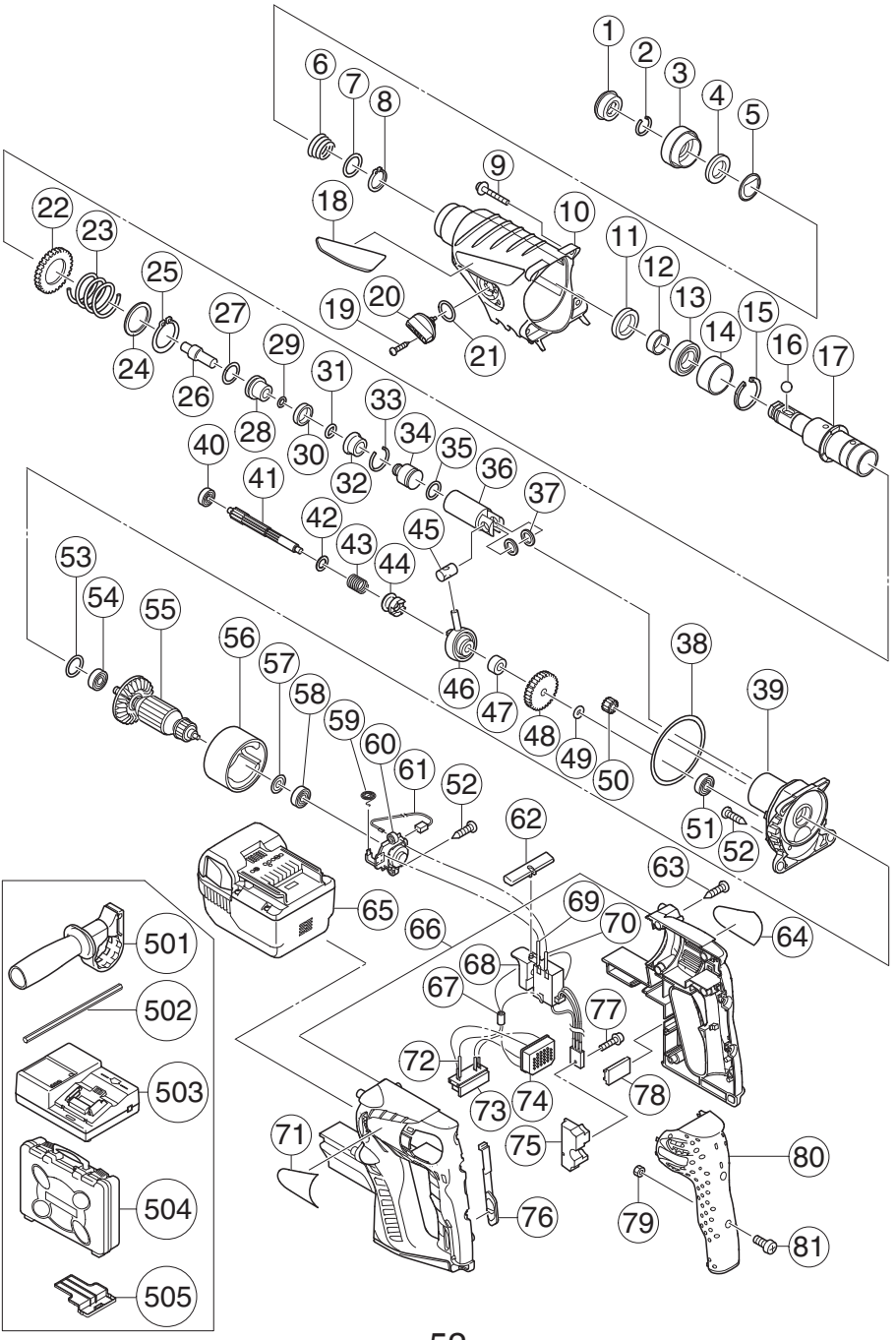
CAUTION

Repair, modification and inspection of HiKOKI Power Tools must be carried out by a HiKOKI Authorized Service Center.
This Parts List will be helpful if presented with the tool to the HiKOKI Authorized Service Center when requesting repair or other maintenance.
In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

Important notice on the batteries for the HiKOKI cordless power tools
Please always use one of our designated genuine batteries. We cannot guarantee the safety and performance of our cordless power tool when used with batteries other than these designated by us, or when the battery is disassembled and modified (such as disassembly and replacement of cells or other internal parts).

SERVICE PARTS LIST

DH25DL

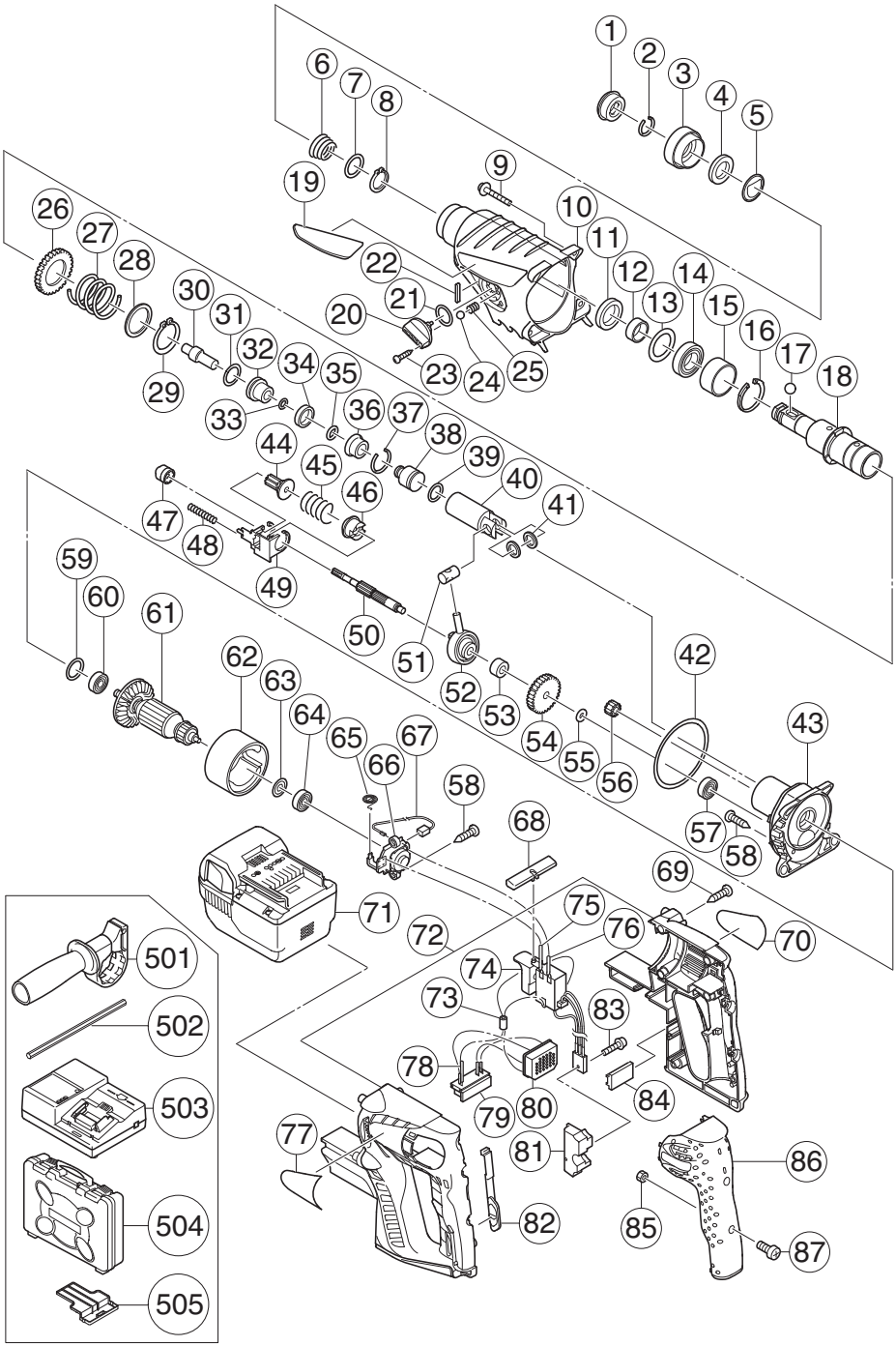


ITEM NO.	PART NAME	Q'TY
1	FRONT CAP	1
2	STOPPER RING	1
3	GRIP	1
4	BALL HOLDER	1
5	HOLDER PLATE	1
6	HOLDER SPRING	1
7	WASHER (B)	1
8	RETAINING RING FOR D20 SHAFT	1
9	TAPPING SCREW (W/FLANGE) D5×25	4
10	GEAR COVER (A)	1
11	OIL SEAL	1
12	SLEEVE	1
13	BALL BEARING 6904DDPS2L	1
14	SLEEVE (A)	1
15	RETAINING RING 37MM	1
16	STEEL BALL D7.0	1
17	CYLINDER	1
18	BRAND PLATE	1
19	TAPPING SCREW D2.6×10	1
20	CHANGE LEVER (A)	1
21	O-RING (S-18)	1
22	SECOND GEAR	1
23	SPRING (A)	1
24	WASHER (A)	1
25	RETAINING RING D30	1
26	SECOND HAMMER	1
27	O-RING (1AP-20)	1
28	HAMMER HOLDER	1
29	O-RING (B)	1
30	DAMPER (A)	1
31	O-RING (C)	1
32	DAMPER HOLDER	1
33	STOPPER RING	1
34	STRIKER	1
35	O-RING (I.D. 16)	1

ITEM NO.	PART NAME	Q'TY
36	PISTON	1
37	WASHER (C)	2
38	O-RING (I.D. 72)	1
39	INNER COVER ASS'Y (INCLUD.51)	1
40	BALL BEARING 608DDC2PS2L	1
41	SECOND SHAFT (A)	1
42	WASHER (B)	1
43	CLUTCH SPRING	1
44	CLUTCH	1
45	PISTON PIN	1
46	RECIPROCATING BEARING	1
47	COLLAR	1
48	FIRST GEAR	1
49	SPACER	1
50	PINION	1
51	BALL BEARING 626VVC2PS2L	1
52	TAPPING SCREW (W/FLANGE) D4×16	4
53	O-RING (P-22)	1
54	BALL BEARING 608DDC2PS2L	1
55	ARMATURE AND PINION ASS'Y (INCLUD.50, 54, 57, 58)	1
56	MAGNET	1
57	WASHER (A)	1
58	BALL BEARING 608DDC2PS2L	1
59	SPRING	2
60	BRUSH HOLDER	1
61	CARBON BRUSH	2
62	PUSHING BUTTON	1
63	TAPPING SCREW (W/FLANGE) D4×20	6
64	NAME PLATE	1
65	BATTERY BSL2530	2

ITEM NO.	PART NAME	Q'TY
66	HOUSING (A).(B) SET	1
67	FERRITE CORE	1
68	DC-SPEED CONTROL SWITCH	1
69	INTERNAL WIRE (RED)	1
70	INTERNAL WIRE (BLACK)	1
71	BRAND LABEL	1
72	INTERNAL WIRE	1
73	BATTERY TERMINAL	1
74	CONTROLLER	1
75	HEAT SINK	1
76	SHIFT KNOB	1
77	MACHINE SCREW (W/WASHERS) M3×12	1
78	RUBBER HOLDER	1
79	NUT M4	2
80	GRIP COVER	1
81	MACHINE SCREW M4×8	2
501	SIDE HANDLE	1
502	DEPTH GAUGE	1
503	CHARGER (MODEL UC36YRL)	1
504	CASE	1
505	BATTERY COVER	1

DH25DAL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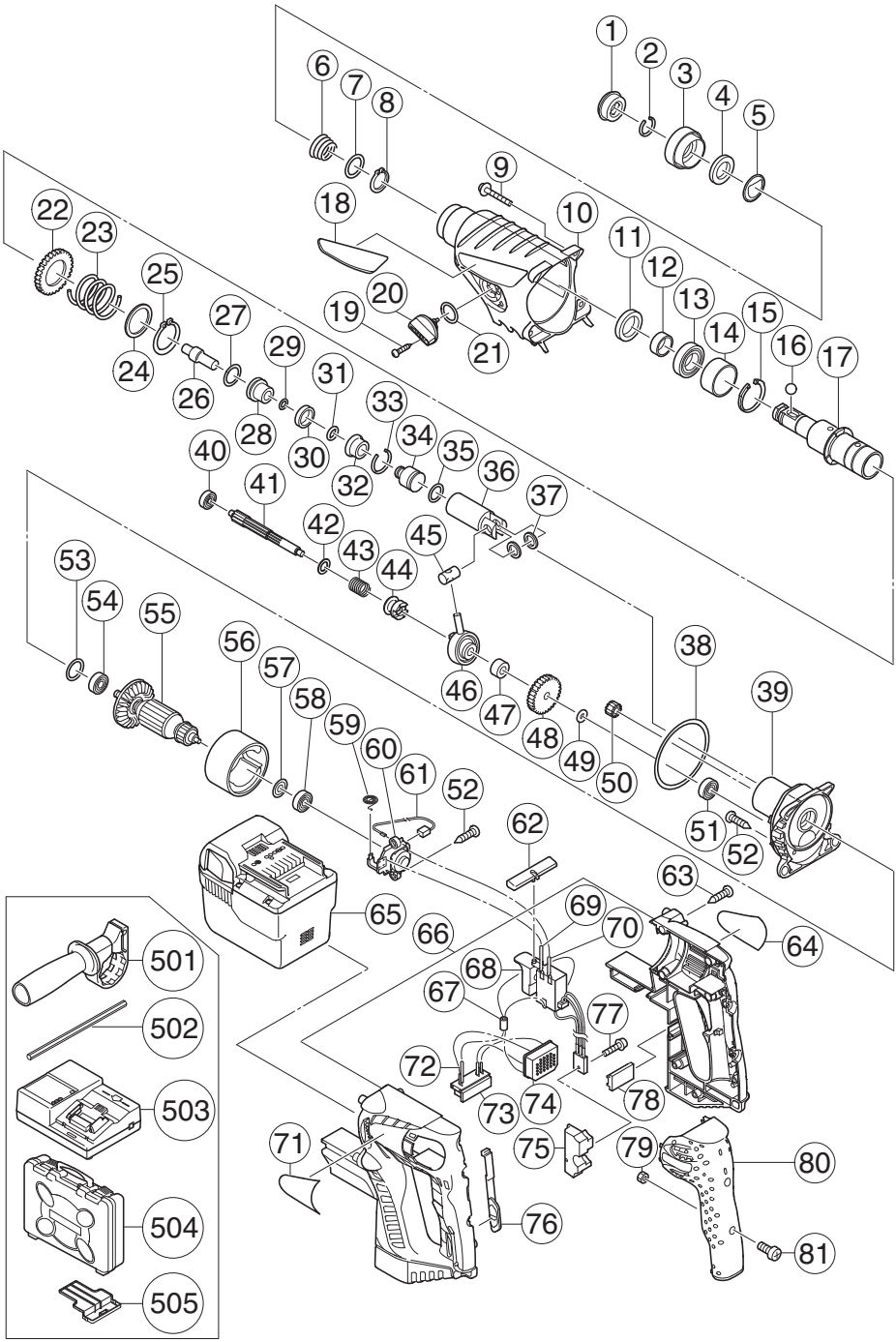
ITEM NO.	PART NAME	Q'TY
1	FRONT CAP	1
2	STOPPER RING	1
3	GRIP	1
4	BALL HOLDER	1
5	HOLDER PLATE	1
6	HOLDER SPRING	1
7	WASHER (B)	1
8	RETAINING RING FOR D20 SHAFT	1
9	TAPPING SCREW (W/FLANGE) D5×25	4
10	GEAR COVER (A)	1
11	OIL SEAL	1
12	SLEEVE	1
13	FELT PACKING (B)	1
14	BALL BEARING 6904DDPS2L	1
15	SLEEVE (A)	1
16	RETAINING RING 37MM	1
17	STEEL BALL D7.0	1
18	CYLINDER	1
19	BRAND PLATE	1
20	CHANGE LEVER (A)	1
21	O-RING (S-18)	1
22	FELT PACKING	1
23	TAPPING SCREW D2.6×10	1
24	STEEL BALL D3.97	1
25	SPRING (H)	1
26	SECOND GEAR	1
27	SPRING (A)	1
28	WASHER (A)	1
29	RETAINING RING D30	1
30	SECOND HAMMER	1
31	O-RING (1AP-20)	1
32	HAMMER HOLDER	1
33	O-RING (B)	1
34	DAMPER (A)	1

ITEM NO.	PART NAME	Q'TY
35	O-RING (C)	1
36	DAMPER HOLDER	1
37	STOPPER RING	1
38	STRIKER	1
39	O-RING (I.D. 16)	1
40	PISTON	1
41	WASHER (C)	2
42	O-RING (I.D. 72)	1
43	INNER COVER ASS'Y (INCLUD.56)	1
44	SECOND PINION	1
45	CLUTCH SPRING	1
46	CLUTCH	1
47	PINION SLEEVE	1
48	SPRING (C)	1
49	LOCK PLATE	1
50	SECOND SHAFT (A)	1
51	PISTON PIN	1
52	RECIPROCATING BEARING	1
53	COLLAR	1
54	FIRST GEAR	1
55	SPACER	1
56	PINION	1
57	BALL BEARING 626VVC2PS2L	1
58	TAPPING SCREW (W/FLANGE) D4×16	4
59	O-RING (P-22)	1
60	BALL BEARING 608DDC2PS2L	1
61	ARMATURE AND PINION AS S'Y (INCLUD.55, 59, 62, 63)	1
62	MAGNET	1
63	WASHER (A)	1
64	BALL BEARING 608DDC2PS2L	1
65	SPRING	2

ITEM NO.	PART NAME	Q'TY
66	BRUSH HOLDER	1
67	CARBON BRUSH	2
68	PUSHING BUTTON	1
69	TAPPING SCREW (W/FLANGE) D4×20	6
70	NAME PLATE	1
71	BATTERY BSL3626	2
72	HOUSING (A).(B) SET	1
73	FERRITE CORE	1
74	DC-SPEED CONTROL SWITCH	1
75	INTERNAL WIRE (RED)	1
76	INTERNAL WIRE (BLACK)	1
77	BRAND LABEL	1
78	INTERNAL WIRE	1
79	BATTERY TERMINAL	1
80	CONTROLLER	1
81	HEAT SINK	1
82	SHIFT KNOB	1
83	MACHINE SCREW (W/WASHERS) M3×12	1
84	RUBBER HOLDER	1
85	NUT M4	2
86	GRIP COVER	1
87	MACHINE SCREW M4×8	2
501	SIDE HANDLE	1
502	DEPTH GAUGE	1
503	CHARGER (MODEL UC36YRL)	1
504	CASE	1
505	BATTERY COVER	1

DH36DL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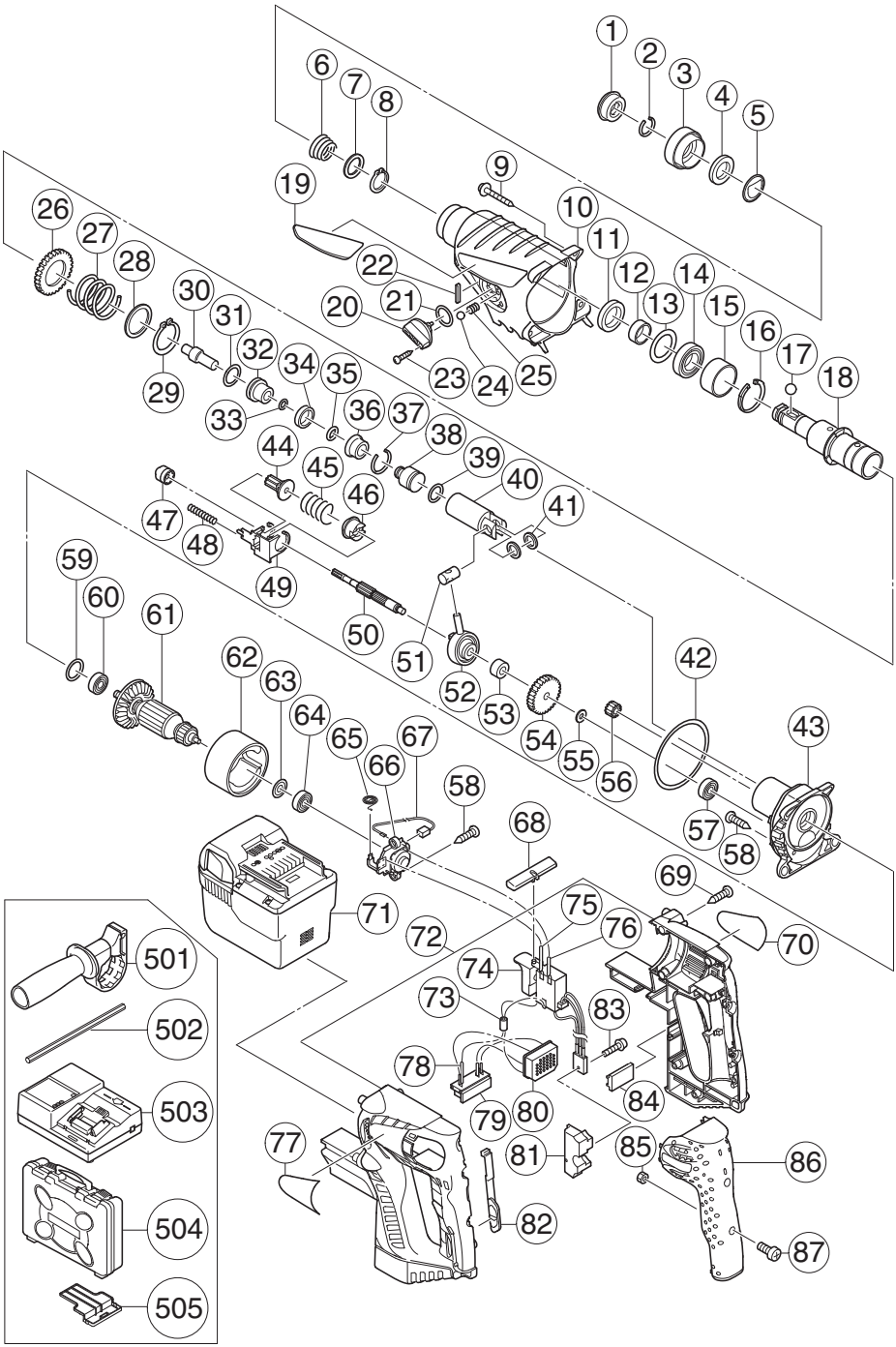
ITEM NO.	PART NAME	Q'TY
1	FRONT CAP	1
2	STOPPER RING	1
3	GRIP	1
4	BALL HOLDER	1
5	HOLDER PLATE	1
6	HOLDER SPRING	1
7	WASHER (B)	1
8	RETAINING RING FOR D20 SHAFT	1
9	TAPPING SCREW (W/FLANGE) D5×25	4
10	GEAR COVER (A)	1
11	OIL SEAL	1
12	SLEEVE	1
13	BALL BEARING 6904DDPS2L	1
14	SLEEVE (A)	1
15	RETAINING RING 37MM	1
16	STEEL BALL D7.0	1
17	CYLINDER	1
18	BRAND PLATE	1
19	TAPPING SCREW D2.6×10	1
20	CHANGE LEVER (A)	1
21	O-RING (S-18)	1
22	SECOND GEAR	1
23	SPRING (A)	1
24	WASHER (A)	1
25	RETAINING RING D30	1
26	SECOND HAMMER	1
27	O-RING (1AP-20)	1
28	HAMMER HOLDER	1
29	O-RING (B)	1
30	DAMPER (A)	1
31	O-RING (C)	1
32	DAMPER HOLDER	1
33	STOPPER RING	1
34	STRIKER	1
35	O-RING (I.D. 16)	1

ITEM NO.	PART NAME	Q'TY
36	PISTON	1
37	WASHER (C)	2
38	O-RING (I.D. 72)	1
39	INNER COVER ASS'Y (INCLUD.51)	1
40	BALL BEARING 608DDC2PS2L	1
41	SECOND SHAFT (A)	1
42	WASHER (B)	1
43	CLUTCH SPRING	1
44	CLUTCH	1
45	PISTON PIN	1
46	RECIPROCATING BEARING	1
47	COLLAR	1
48	FIRST GEAR	1
49	SPACER	1
50	PINION	1
51	BALL BEARING 626VVC2PS2L	1
52	TAPPING SCREW (W/FLANGE) D4×16	4
53	O-RING (P-22)	1
54	BALL BEARING 608DDC2PS2L	1
55	ARMATURE AND PINION ASS'Y (INCLUD.50, 54, 57, 58)	1
56	MAGNET	1
57	WASHER (A)	1
58	BALL BEARING 608DDC2PS2L	1
59	SPRING	2
60	BRUSH HOLDER	1
61	CARBON BRUSH	2
62	PUSHING BUTTON	1
63	TAPPING SCREW (W/FLANGE) D4×20	6
64	NAME PLATE	1
65	BATTERY BSL3626	2

ITEM NO.	PART NAME	Q'TY
66	HOUSING (A).(B) SET	1
67	FERRITE CORE	1
68	DC-SPEED CONTROL SWITCH	1
69	INTERNAL WIRE (RED)	1
70	INTERNAL WIRE (BLACK)	1
71	BRAND LABEL	1
72	INTERNAL WIRE	1
73	BATTERY TERMINAL	1
74	CONTROLLER	1
75	HEAT SINK	1
76	SHIFT KNOB	1
77	MACHINE SCREW (W/WASHERS) M3×12	1
78	RUBBER HOLDER	1
79	NUT M4	2
80	GRIP COVER	1
81	MACHINE SCREW M4×8	2
501	SIDE HANDLE	1
502	DEPTH GAUGE	1
503	CHARGER (MODEL UC36YRL)	1
504	CASE	1
505	BATTERY COVER	1

DH36DAL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ITEM NO.	PART NAME	Q'TY
1	FRONT CAP	1
2	STOPPER RING	1
3	GRIP	1
4	BALL HOLDER	1
5	HOLDER PLATE	1
6	HOLDER SPRING	1
7	WASHER (B)	1
8	RETAINING RING FOR D20 SHAFT	1
9	TAPPING SCREW (W/FLANGE) D5×25	4
10	GEAR COVER (A)	1
11	OIL SEAL	1
12	SLEEVE	1
13	FELT PACKING (B)	1
14	BALL BEARING 6904DDPS2L	1
15	SLEEVE (A)	1
16	RETAINING RING 37MM	1
17	STEEL BALL D7.0	1
18	CYLINDER	1
19	BRAND PLATE	1
20	CHANGE LEVER (A)	1
21	O-RING (S-18)	1
22	FELT PACKING	1
23	TAPPING SCREW D2.6×10	1
24	STEEL BALL D3.97	1
25	SPRING (H)	1
26	SECOND GEAR	1
27	SPRING (A)	1
28	WASHER (A)	1
29	RETAINING RING D30	1
30	SECOND HAMMER	1
31	O-RING (1AP-20)	1
32	HAMMER HOLDER	1
33	O-RING (B)	1
34	DAMPER (A)	1
35	O-RING (C)	1

ITEM NO.	PART NAME	Q'TY
36	DAMPER HOLDER	1
37	STOPPER RING	1
38	STRIKER	1
39	O-RING (I.D. 16)	1
40	PISTON	1
41	WASHER (C)	2
42	O-RING (I.D. 72)	1
43	INNER COVER ASS'Y (INCLUD.56)	1
44	SECOND PINION	1
45	CLUTCH SPRING	1
46	CLUTCH	1
47	PINION SLEEVE	1
48	SPRING (C)	1
49	LOCK PLATE	1
50	SECOND SHAFT (A)	1
51	PISTON PIN	1
52	RECIPROCATING BEARING	1
53	COLLAR	1
54	FIRST GEAR	1
55	SPACER	1
56	PINION	1
57	BALL BEARING 626VVC2PS2L	1
58	TAPPING SCREW (W/FLANGE) D4×16	4
59	O-RING (P-22)	1
60	BALL BEARING 608DDC2PS2L	1
61	ARMATURE AND PINION ASS'Y (INCLUD.55, 59, 62, 63)	1
62	MAGNET	1
63	WASHER (A)	1
64	BALL BEARING 608DDC2PS2L	1
65	SPRING	2
66	BRUSH HOLDER	1
67	CARBON BRUSH	2

ITEM NO.	PART NAME	Q'TY
68	PUSHING BUTTON	1
69	TAPPING SCREW (W/FLANGE) D4×20	6
70	NAME PLATE	1
71	BATTERY BSL3626	2
72	HOUSING (A).(B) SET	1
73	FERRITE CORE	1
74	DC-SPEED CONTROL SWITCH	1
75	INTERNAL WIRE (RED)	1
76	INTERNAL WIRE (BLACK)	1
77	BRAND LABEL	1
78	INTERNAL WIRE	1
79	BATTERY TERMINAL	1
80	CONTROLLER	1
81	HEAT SINK	1
82	SHIFT KNOB	1
83	MACHINE SCREW (W/WASHERS) M3×12	1
84	RUBBER HOLDER	1
85	NUT M4	2
86	GRIP COVER	1
87	MACHINE SCREW M4×8	2
501	SIDE HANDLE	1
502	DEPTH GAUGE	1
503	CHARGER (MODEL UC36YRL)	1
504	CASE	1
505	BATTERY COVER	1

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