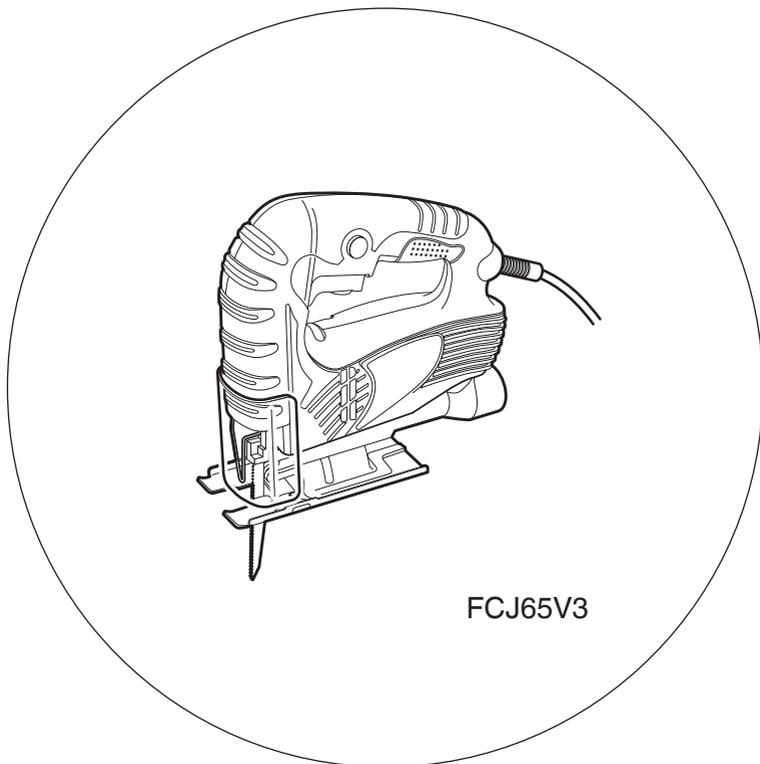


HiKOKI

曲线锯
Jig Saw

中文
English

FCJ 65V3 • FCJ 65S3



FCJ65V3

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。

中文

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) 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。

使用曲线锯时应注意事项

在切削附件可能触及暗线或其自身软线之处进行操作时，要通过绝缘握持面来握持工具。切削附件碰到带电导线会使工具外露的金属零件带电从而使操作者受到电击。

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。



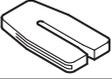
为降低伤害风险，用户必须阅读使用说明书

规格

型式	FCJ65V3	FCJ65S3
电压	220 V ~	
输入功率	400 W	
最大锯割深度	木材：65 mm 软钢：6 mm	
空载转速	0 ~ 3000 /min	3000 /min
行程	18 mm	
最小锯割半径	25 mm	
重量 (不含线缆)	1.5 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。

		FCJ65V3	FCJ65S3
31 号锯条 用于锯割厚木材		1	1
刀口板		1	1
锯屑罩		1	1
六角杆扳手		1	1

选购附件 (分开销售)

(1) 锯条: 1 号 ~ 6 号, 31 号*

*31 号锯条为标准附件。

(2) 导轨

用途

- 用于锯割各种木材, 并用于窗孔的切割。
- 锯割软钢板、铝板与钢板。
- 锯割粉醛树脂、氯乙烯等合成树脂。
- 锯割薄而软的建筑材料。

作业之前

1. 电源

确认所使用的电源与产品铭牌上标示的规格相符。

2. 电源开关

确认电源开关是否切断。若电源开关接通, 则插头插入电源插座时电动工具将出其不意地立刻转动, 从而招致严重事故。

3. 延伸线缆

若作业场所移到离开电源的地点, 应使用足够长及牢固的延伸线缆, 并且但实际作业时, 尽量不要将延伸线缆拉得太长。

锯条的安装

1. 如图 1(a) 所示, 用附备的六角杆扳手拧松锯条座上的锯条固定螺丝。
2. 使割锯刃口朝前拿着锯条, 将锯条安装部份插入柱塞槽直至其碰到槽底。
3. 按图 1(b) 所示方法拧紧侧固定螺丝。

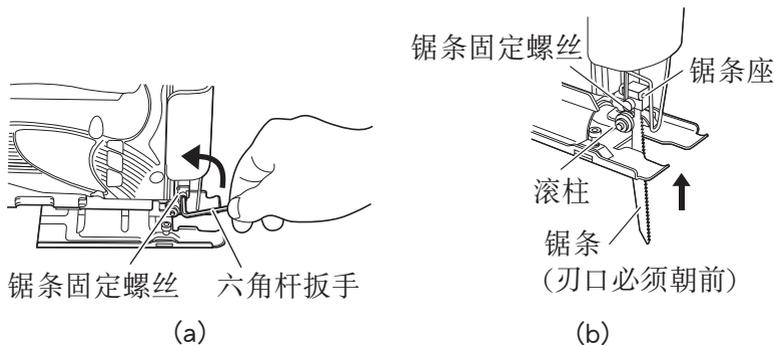


图 1

注意！

固定螺丝松动会导致锯条损坏, 所以要经常保持螺丝紧固。同时也要确保柱塞槽清洁, 毫无锯屑, 以保证锯条安装与固定螺丝拧紧无误。

4. 存放六角杆扳手

- (1) 将六角杆扳手插入本机侧面的孔中, 保持短边水平, 如图 2 所示。
- (2) 旋转插入六角杆扳手并固定, 如图 2 所示。



导辊的调整

如图 3 所示, 导辊用于防止锯条折断。使用前, 应根据下述方法调整导辊:

- (1) 用附备的六角杆扳手拧松座固定螺丝。
- (2) 轻轻滑动导辊, 直至导辊槽稍微碰到锯条背面。

注:

出厂时, 导辊与锯条之间约有 3 mm 的间隙。

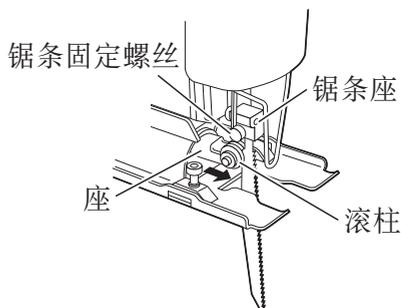


图 3

(3) 拧紧座固定螺丝

注意！

- 能够使用导辊的锯条，仅限于其锯齿到锯条背部直线部的距离在 50 mm 以上的时候（图 4A、4B）。使用其它的锯条（图 4C）时，要将导辊向后方错位，在不碰到锯条的情况下使用。
- 割锯厚板或进行连续锯割作业时，应使用如图 4A、4B 所示的锯条，并将导辊装好。

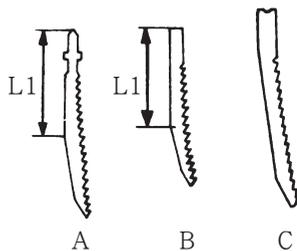


图 4

确定锯屑罩的位置

1. 锯屑罩

使用锯屑后，可减少锯屑飞散，使锯割作业必较舒适。
移动锯屑罩时，请边轻轻按住锯屑罩的前部边使其滑动。
可将锯屑罩设定在三个位置（如图 5 所示）。

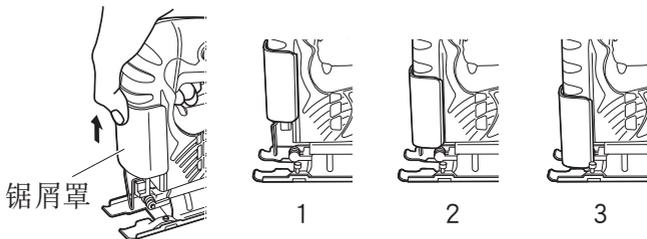


图 5

2. 锯屑罩位置的选择方法

安装和拆卸锯条时，请将锯屑罩设于第一段。
锯割木材时，请将锯屑罩设于第二阶段。
锯割钢板等金属材料时，请将锯屑罩设于第二或第三段。

注意！

即使在使用了锯屑罩的场合，也请戴上防护眼镜进行操作。

锯条工作速度的调整（仅适用于 FCJ65V3）

注：

FCJ65S3 的锯条工作速度不能调整。

锯条工作速度可根据扣动扳机的角度在 0 到 3000 /min 的范围内加以调整。请配合工件材料和 / 或工作条件来选择速度。然后转动速度调整钮，将锯条工作速度调整好。

需进行连续操作时请将扳机开关扣到底并按下锁挡。然后再旋转速度调整钮，将锯条工作速度调至所需速度。

注:

锯条调整钮大约可旋转 1.5 圈。要关掉开关,可再一次扣动扳机以释放锁挡,然后松开扳机。

锯割

注意!

- 在锯割时,底座必须贴紧于工件表面,而锯条必须保持直角。如果底座与材料分离,可能造成锯条断裂。
- 拿住前面进行锯割时,对于在移动的锯条要十分小心,并请紧紧地拿住上部。

1. 直线锯割

- (1) 要使用如图 6 所示的导轨(选购附件),以保证精确的直线锯割。
- (2) 若想减少木材切断面起毛,请使用刀口板。安装刀口板时,将刀口板从底座的前方插入,直到听到卡嗒的声音(图 7)。

注意!

使用刀口板的时候,请把底座装在前方位

置。

2. 圆或圆弧的锯割

必须使用选购附件的导轨、钉子或木螺丝(如图 8 所示),以保证有效的锯割。安装导轨时,要拧松底座底部的螺丝,并将底座尽量向前移动。

3. 曲线的锯割

在锯小圆弧时,要降低机器的进给速度。如果机器进给得太快,将会导致锯条断裂。

4. 金属材料的锯割

务必使用适当的锯割介质(主轴油、肥皂水等)。如果没有液体锯割介质可用,请在要锯割的材料背面上涂上润滑油。

5. 窗孔的锯割

(1) 木材:

将锯条方向与木材的纹理对正,逐步锯割,至直木材中心处锯出窗孔(图 9)。

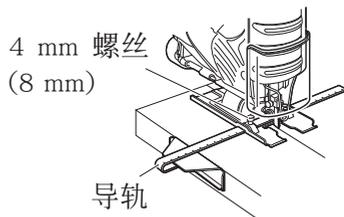


图 6



图 7

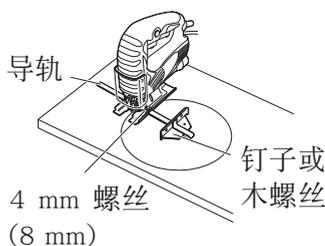


图 8

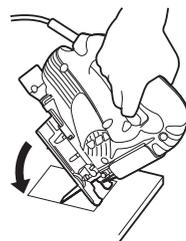


图 9

(2) 其它材料：

在木材以外的材料上锯割窗孔时，先用钻机或类似工具在要开始锯割的位置上钻一个孔。

6. 斜角锯割

把锯屑罩安装在第一段(第7页的图5)要调整倾斜角度时，可拧松底座底部的螺丝，将底座位置移到半圆部分的侧槽，将半圆部份的刻度盘(刻在刻度盘上的数字表示倾斜角)对准外壳边缘线，然后再拧紧底座底部的螺丝(图10和图11)。

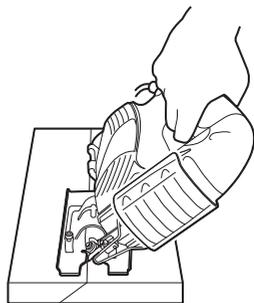


图 10

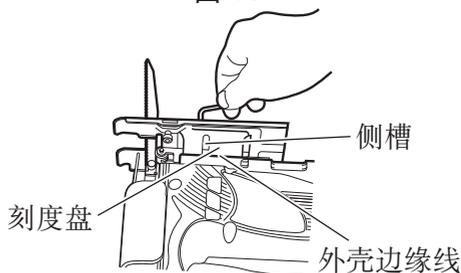


图 11

注意！

使用导轨时，请将螺丝安装在与倾斜侧的对边(图12)。

7. 操作中产生的灰尘

注意！

- 为防止发生事故，不使用期间请将开关关闭，并拔出电源插头。
- 有关使用集尘器和适用切割碎屑的说明，请查阅集尘器使用说明书。

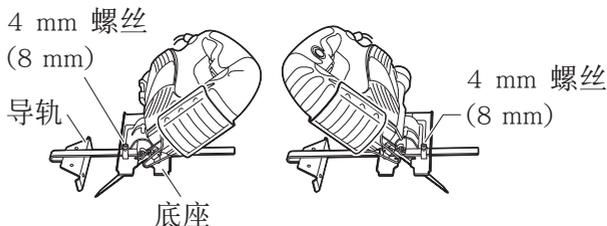


图 12

正常操作过程中产生的灰尘可能会影响操作人员的健康。建议采取下列措施之一：

- a) 戴防尘罩
- b) 使用外部集尘设备

使用外部集尘设备时，将橡胶接头(外部集尘设备的附件)和外部集尘设备的软管端部相连。

然后将橡胶接头的另一端和竖锯尾端的软管连接部分连接。(图13)

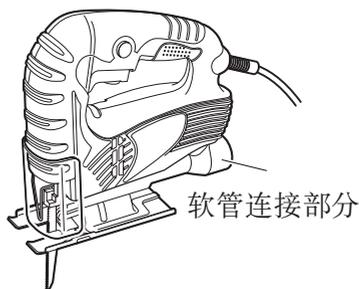


图 13

锯条的选择

1. 附带的锯条

为了保证最高的工作效率与效果，要选择最适合于要锯割的材料之种类与厚度的锯条。标准附件中仅备有一种锯条。锯条号码刻于各锯条安装部份的附近。请参照表 1 来选择适当的锯条。

表 1 适用锯条表

要锯割的材料	材料性质	锯条号码
木材	一般木材	1 号或 31 号 (厚板) 或 41 号 (厚板) 或 2 号 (薄板)
	合板	3 号或 6 号
铁板	软钢板	6 号
非铁金属	铝、铜、黄铜	6 号
合成树脂	酚醛树脂、蜜胺树脂等	4 号 (厚板) 或 6 号 (薄板)
	氯乙烯、丙烯酸树脂等	2 号或 4 号 (厚板) 或 6 号 (薄板)
	泡沫苯乙烯	2 号
纸浆	厚纸板、瓦楞纸	2 号
	硬纸板	5 号或 6 号
	纤维纸板	6 号
其他	硬橡胶	2 号
	石板	5 号

2. 市售的使用锯条 (图 14)

市售的锯条大部分都适用于本机。如图 14 所示，锯条尺寸限制如下：

- 厚度：L2 1.6 mm 以下
- 宽度：L3 6.3 mm
- L4 8 mm
- L5 7 mm

注：

锯割有厚度的材料时，请使用象第7页的图4-A或B锯条那样带有倾斜的真正HiKOKI牌锯条。

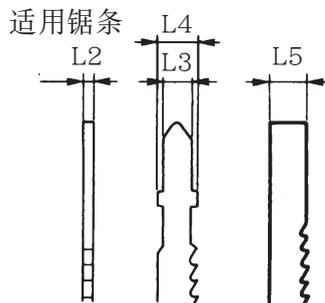


图 14

维护和检查

1. 锯条的检查

继续使用迟钝或损坏的锯条将会导致锯割效率的降低，并且会造成电动机过载。发现锯条磨蚀过多时，应立即更换新锯条。

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. 更换电源线

如果电动工具的电源线损坏，必须将工具返回经授权的HiKOKI维修中心更换电源线。

5. 维修

电动工具一旦发生任何异常，应毫不迟疑地商询服务中心。

6. 维修部件目录

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。

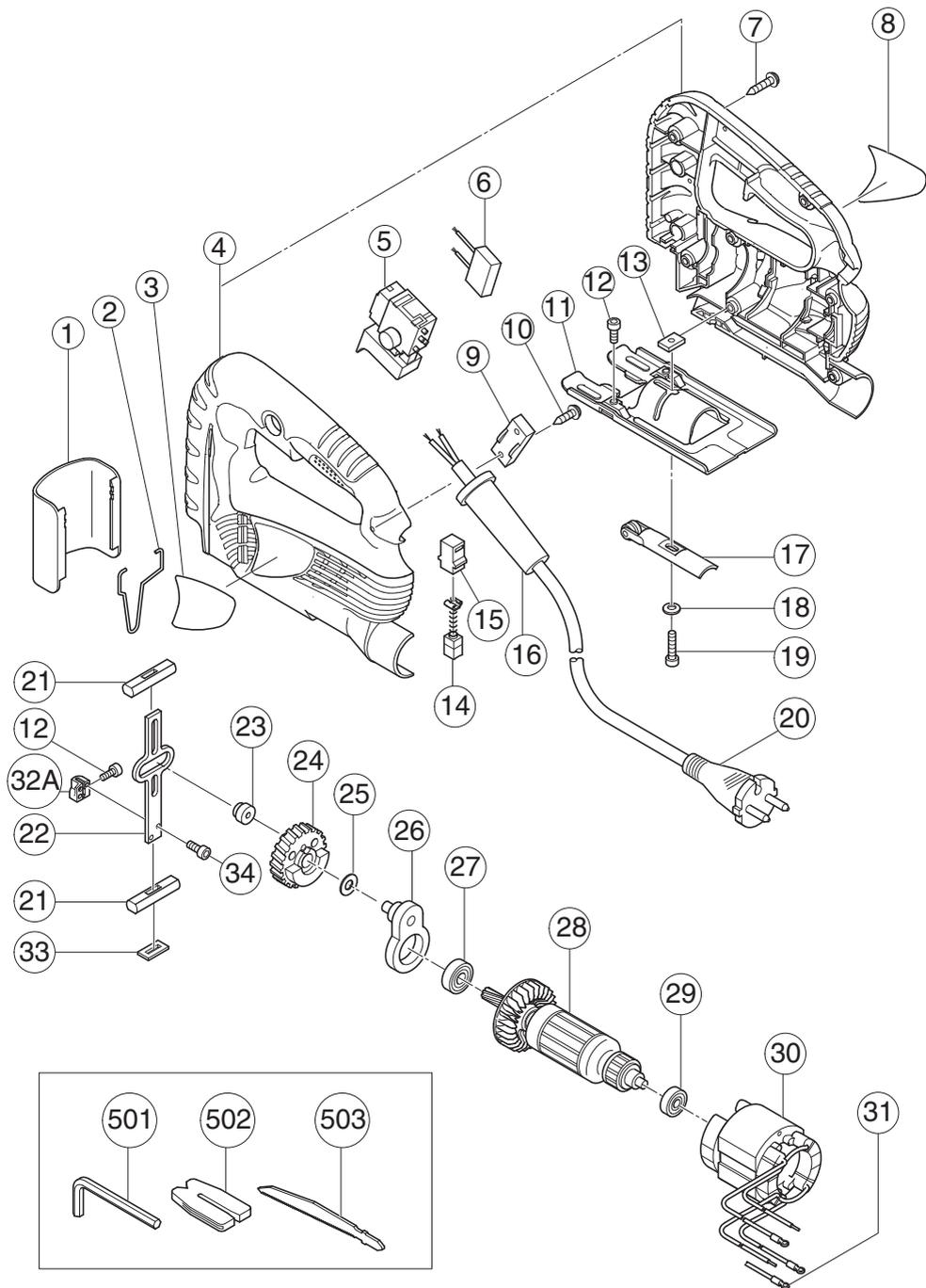
当要求维修或其他保养服务时，若将此零部件一览表与电动工具一起呈交给经HiKOKI公司授权的维修中心，将有助于维修或保养工作。

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。

项目号	零件名称
1	锯屑罩
2	防护栏
3	品牌标签
4	外罩 (A)、(B) 组
5	开关
6	噪声抑制器
7	自攻螺丝 (附法兰) D4×20
8	铭牌
9	线夹
10	自攻螺丝 (附法兰) D4×16
11	底座
12	内六角螺栓 M4×8
13	平板螺帽
14	炭刷
15	刷座
16	线保护壳
17	滚珠固定器
18	螺栓垫圈 M4
19	内六角螺栓 M4×16
20	电线
21	柱塞固定器
22	柱塞
23	连接件
24	齿轮
25	垫圈 (C)
26	固定器
27	滚珠轴承 608VVC2PS2L
28	电枢
29	滚珠轴承 626VVC2PS2L
30	定子
31	端子
32A	刀片固定器
33	毛毡
34	密封内六角螺栓 M3×8

项目号	零件名称
501	六角杆扳手 3MM
502	刀口板
503	曲线锯刃 31 号

FCJ65S3



项目号	零件名称
1	锯屑罩
2	防护栏
3	品牌标签
4	外罩 (A)、(B) 组
5	开关
6	噪声抑制器
7	自攻螺丝 (附法兰) D4×20
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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.

English

- 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) 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.

PRECAUTIONS ON USING RECIPROCATING SAW

- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.

SYMBOL

WARNING

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



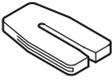
To reduce the risk of injury, user must read instruction manual.

SPECIFICATIONS

Model	FCJ65V3	FCJ65S3
Voltage	220 V ~	
Power input	400 W	
Max. cutting depth	Wood: 65mm Mild steel: 6mm	
No-load speed	0 — 3000 /min	3000 /min
Stroke	18 mm	
Min. cutting radius	25 mm	
Weight (without cord)	1.5 kg	

STANDARD ACCESSORIES

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

		FCJ65V3	FCJ65S3
Blade No.31 For cutting thick lumber		1	1
Splinter guard		1	1
Chip cover		1	1
Hexagonal bar wrench		1	1

OPTIONAL ACCESSORIES (sold separately)

- (1) Blades, No.1 – No.6, 31*
* No.31 Blade is a standard accessory.
- (2) Guide

APPLICATIONS

- Cutting various lumber and pocket cutting
- Cutting mild steel plate, aluminum plate, and copper plate
- Cutting synthetic resins, such as phenol resin and vinyl chloride
- Cutting thin and soft construction materials

PRIOR TO OPERATION

1. Power source
Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.
2. Power switch
Ensure that the power switch is in the OFF position. If the plug is connected to a receptacle while the power switch is in the ON position, the power tool will start operating immediately, which could cause a serious accident.
3. Extension cord
When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.

MOUNTING THE BLADE

1. Use the accessory hexagonal bar wrench to loosen the blade set screws on the blade holder, as shown in **Fig. 1(a)**.
2. Holding the blade with its cutting edge facing the front, insert the mounting portion of the blade into the plunger groove until it touches the bottom of the groove.
3. As shown in **Fig. 1(b)**, firmly clamp the side screw.

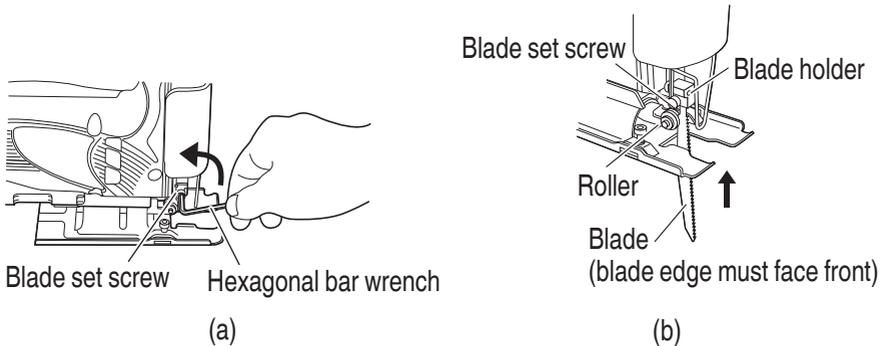


Fig. 1

CAUTION

Loosened set screws may cause the blade to be damaged. Always ensure that the set screws are securely tightened. Always ensure that the plunger groove is clean and clear of sawdust to ensure proper blade mounting and set screw clamping.

4. Storing the hexagonal bar wrench
 - (1) Insert in a hole on the side of the main unit with holding the short side horizontally as shown in **Fig. 2**.
 - (2) Rotate with the hexagonal bar wrench and secure as shown in **Fig. 2**.

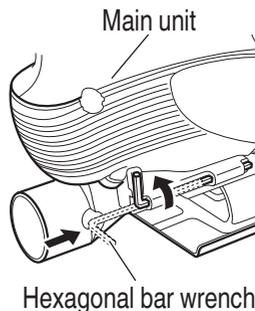


Fig. 2

ADJUSTING THE GUIDE ROLLER

The guide roller, shown in **Fig. 3**, is employed to prevent the blade from snapping. Prior to use, adjust guide roller in accordance with the following procedures:

- (1) Loosen the holder set screw with the accessory hexagonal bar wrench.
- (2) Gently slide the guide roller until the roller groove lightly touches the back of the blade.

NOTE

On delivery from the factory, there is a gap of about 3 mm between the roller and blade.

- (3) Firmly tighten the holder set screw.

CAUTION

- The guide roller can be used only for Blades that have a straight line on the rear that is longer than 50mm. (Fig. 4A and 4B) When using other types of blades (Fig. 4C), slide the guide roller in backwards so that the guide roller does not contact the blade.
- When cutting thick boards or performing continuous cutting operations, use the blade shown in the Fig. 4A, 4B and be sure to set the guide roller.

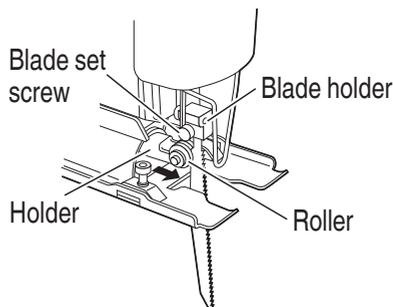


Fig. 3

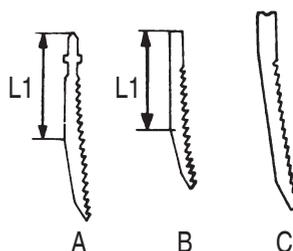


Fig. 4

CHIP COVER POSITIONING

1. Chip cover
Use the chip cover to reduce flying of cut particles and to easily operate the saw.
Slide the chip cover while lightly pressing its front section.
The chip cover can be set at three positions as shown in **Fig. 5**.

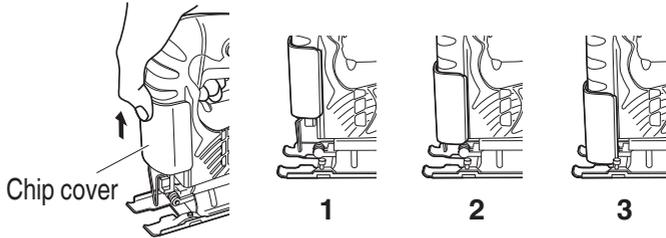


Fig. 5

2. How to choose the position of the ship cover
Set the chip cover to the first step when attaching or removing the blade.
Set the chip cover to the second step when cutting wooden materials.
Set the chip cover to the second or third step when cutting metal materials such as steel.

CAUTION

- Keep always the chip cover in the low position when operating the tool.
- Wear protection glasses even if the chip cover is used.

ADJUSTING THE BLADE OPERATING SPEED (FCJ65V3 only)

NOTE

The blade operating speed cannot be adjusted for FCJ65S3.

The blade operating speed can be adjusted within a range of 0 to 3,000 /min according to the degree that the trigger switch is depressed. Select the speed appropriate to the material being worked and/or the working conditions.

To achieve continuous operation, pull the trigger switch all the way back and depress the stopper. Then, turn the speed adjustment knob to adjust the blade operating speed as desired.

NOTE

The speed adjustment knob rotates approximately 1.5 turns. To turn the switch OFF, pull the trigger switch again to disengage the stopper, and release the trigger switch.

CUTTING

CAUTION

- While sawing, the base must be firmly in contact with the material surface, and the blade must be held at a right angle. If the base becomes separated from the material, it could cause the blade to break.
- When cutting while holding the front surface, be careful of the moving blade and hold the upper part firmly.

1. Rectilinear cutting
 - (1) To ensure accurate rectilinear cutting, employ the optional accessory guide as shown in **Fig. 6**.
 - (2) Use the splinter guard to reduce roughness of the cutting surface of wooden materials. Attach the splinter guard by inserting it from the front section of the base until it clicks into place. (**Fig. 7**)

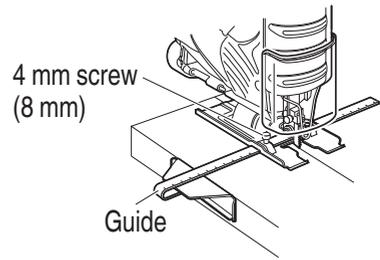


Fig. 6

CAUTION

Set the base in the front position when using the splinter guard.

2. Cutting a circle or a circular arc

To ensure efficient cutting, employ the optional accessory guide and nail or wood screw as shown in **Fig. 8**.

When mounting the guide, loosen the base bottom screw, and shift the base as far forward as it will go.
3. Sawing curved lines

When sawing a small circular arc, reduce the feeding speed of the machine. If the machine is fed too fast, it could cause the blade to break.
4. Cutting metallic materials

Always use an appropriate cutting agent (spindle oil, soapy water, etc.). When a liquid cutting agent is not available, apply grease to the back surface of the material to be cut.
5. Pocket cutting
 - (1) In lumber

Aligning the blade direction with the grain of the wood, cut step by step until a window hole is cut in the center of the lumber. (**Fig. 9**)
 - (2) In other materials

When cutting a window hole in materials other than lumber, initially bore a hole with a drill or similar tool from which to start cutting.

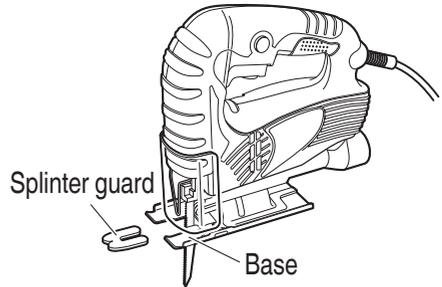


Fig. 7

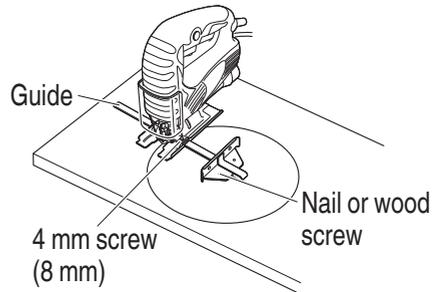


Fig. 8

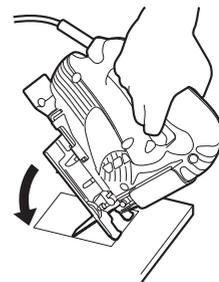


Fig. 9

English

6. Angular cutting

Set the chip cover to the first step. (Fig. 5 on page 22)

To adjust the angle of inclination; loosen the base bottom screw, shift the base position to the side groove of the semicircular portion, align the scale on the base semicircular portion (figures engraved on the scale indicate the angle of inclination) with the housing edge line, and thoroughly tighten the base bottom screw. (Fig. 10 and 11)

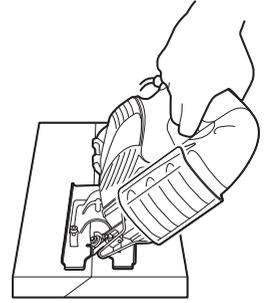


Fig. 10

CAUTION

Set the screw to the opposite side of the inclining side when using the guide. (Fig. 12)

7. Dust produced in operation

CAUTION

- To prevent accidents, turn the switch off and remove the plug from the power supply when not in use.
- For instruction on using the dust collector and applicable cutting debris, please read the dust collector instruction manual.

The dust produced in normal operation may affect the operator's health. Either of following way is recommended.

- a) Wear a dust mask
- b) Use external dust collection equipment

When using the external dust collection equipment, connect the rubber adapter (accessory of external dust collection equipment) with end the of hose from external dust collection equipment.

Then connect the another end of rubber adapter with the hose attachment part that positioned in rear end of jig saw. (See Fig. 13)

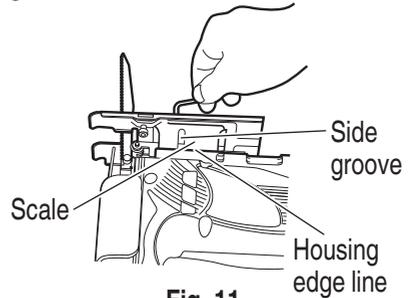


Fig. 11

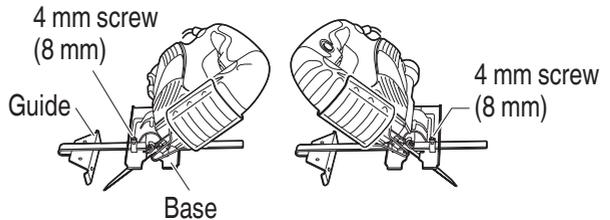


Fig. 12

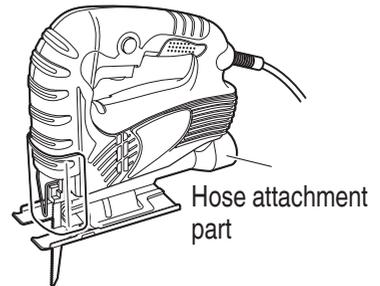


Fig. 13

SELECTION OF BLADES

1. Accessory blades

To ensure maximum operating efficiency and results it is very important to select the appropriate blade best suited to the type and thickness of the material to be cut. One type of blade is provided as standard accessory. The blade number is engraved in the vicinity of the mounting portion of each blade. Select appropriate blades by referring to **Table 1**.

Table 1 List of Appropriate Blades

Material to be cut	Material quality	Blade No.
Lumber	General lumber	No.1 or No.31 (thick plate) or No.41 (thick plate) or No.2 (thin plate)
	Plywood	No.3 or No.6
Iron plate	Mild steel plate	No.6
Nonferrous metal	Aluminum, copper, brass	No.6
Synthetic resin	Phenol resin, melamine resin, etc.	No.4 (thick plate) or No.6 (thin plate)
	Vinyl chloride, acryl resin, etc.	No.2 or No.4 (thick plate) or No.6 (thin plate)
	Foamed styrol, etc.	No.2
Pulp	Cardboard, corrugated paper	No.2
	Hardboard	No.5 or No.6
	Fiberboard	No.6
Others	Hard rubber	No.2
	Slate	No.5

2. Acceptable commercial blades (Fig. 14)

This machine is designed to accept most blades available on the open market. As illustrated in Fig. 14, blade dimension restrictions are as follows:

- Thickness: L2 Less than 1.6mm
- Width : L3 6.3mm
- L4 8mm
- L5 7mm

NOTE

When cutting thick materials, use HiKOKI genuine blades which have an inclination as shown in Fig. 4-A or B on page 21.

Acceptable blades

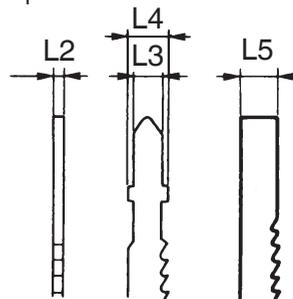


Fig. 14

MAINTENANCE AND INSPECTION

1. Inspecting the blade
Continued use of a dull or damaged blade will result in reduced cutting efficiency and may cause overloading of the motor. Replace the blade with a new one as soon as excessive 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. Replacing supply cord
If the supply cord of Tool is damaged, the Tool must be returned to HiKOKI Authorized Service Center for the cord to be replaced.
5. Servicing
Consult an authorized Service Agent in the event of power tool failure.
6. Service parts list

CAUTION

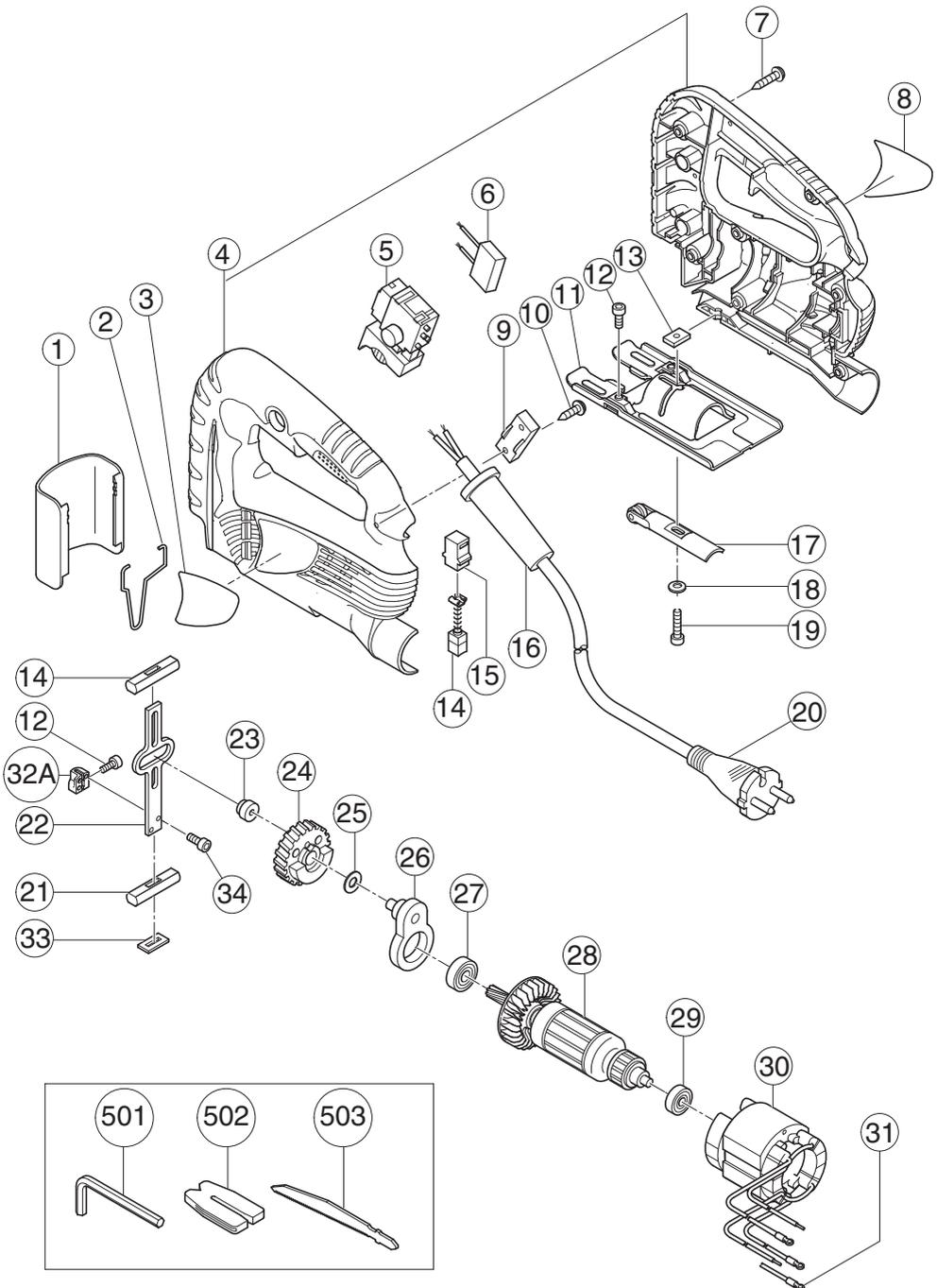
Repair, modification and inspection of HiKOKI Power Tools must be carried out by a HiKOKI Authorized Service Center.

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.

SERVICE PARTS LIST

FCJ65V3

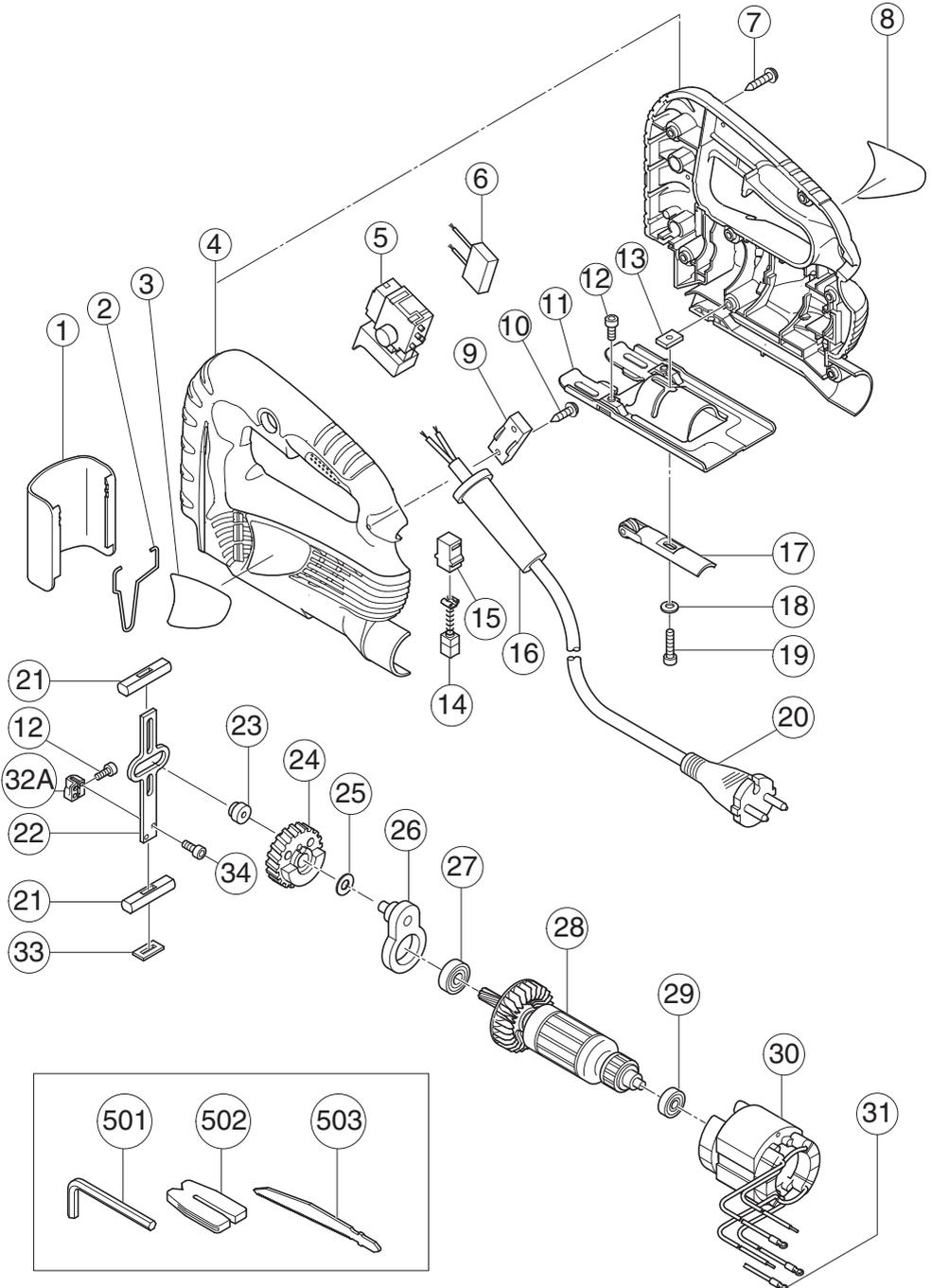


English

Item No.	Part Name
1	CHIP COVER
2	GUARD BAR
3	BRAND LABEL
4	HOUSING (A), (B) SET
5	SWITCH
6	NOISE SUPPRESSOR
7	TAPPING SCREW (W/FLANGE) D4×20
8	NAME PLATE
9	CORD CLIP
10	TAPPING SCREW (W/FLANGE) D4×16
11	BASE
12	HEX. SOCKET HD. BOLT M4×8
13	PLATE NUT
14	CARBON BRUSH
15	BRUSH HOLDER
16	CORD ARMOR
17	ROLLER HOLDER
18	BOLT WASHER M4
19	HEX. SOCKET HD. BOLT M4×16
20	CORD
21	PLUNGER HOLDER
22	PLUNGER
23	CONNECTING PIECE
24	GEAR
25	WASHER (C)
26	HOLDER
27	BALL BEARING 608VVC2PS2L
28	ARMATURE
29	BALL BEARING 626VVC2PS2L
30	STATOR
31	TERMINAL
32A	BLADE HOLDER
33	FELT
34	SEAL LOCK HEX. SOCKET HD. BOLT M3×8

Item No.	Part Name
501	HEX. BAR WRENCH 3MM
502	SPLINTER GUARD
503	JIG SAW BLADES NO.31

FCJ65S3



English

Item No.	Part Name
1	CHIP COVER
2	GUARD BAR
3	BRAND LABEL
4	HOUSING (A), (B) SET
5	SWITCH
6	NOISE SUPPRESSOR
7	TAPPING SCREW (W/FLANGE) D4×20
8	NAME PLATE
9	CORD CLIP
10	TAPPING SCREW (W/FLANGE) D4×16
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34	SEAL LOCK HEX. SOCKET HD. BOLT M3×8

Item No.	Part Name
501	HEX. BAR WRENCH 3MM
502	SPLINTER GUARD
503	JIG SAW BLADES NO.31



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