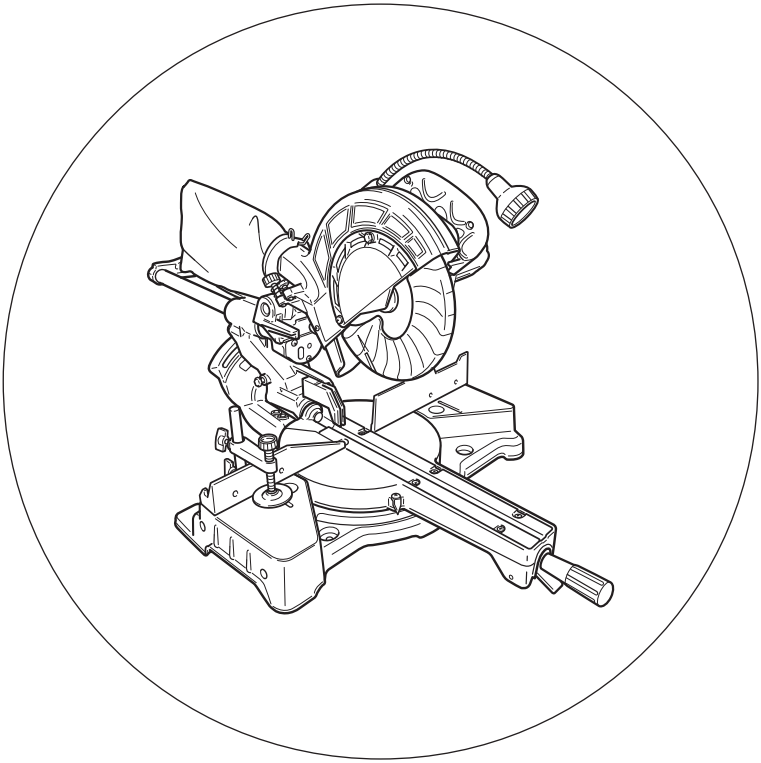
HiKOKI

中文

English

滑动复合式斜口锯
Slide Compound Miter Saw

C 8FSHE • C 8FSE



保留备用
Keep for future reference

使用说明书
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中文

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作业上的一般注意事项

警告！

当使用电动工具时，为了减少造成火灾、电击和人身伤害，必须时刻遵守基本注意事项，以及下述操作注意事项。
在操作本机之前，请通读本说明书，并予以妥善保管。
安全操作注意事项：

1. 工作场所应打扫干净，清理妥当，杂乱无章将导致事故。
2. 确保妥适的作业环境。电动工具不可任其风吹雨打。不得在潮湿的地方作业。
   工作场所需保持充分的亮度。
   请勿在有可能造成火灾或爆炸的地方使用电动工具。
3. 谨防触电事故。应避免身体同大地或接地表面接触不可让访客触摸电动工具或延伸线缆 (例如：管道、散热器、炉灶、冰箱等)。
4. 不可让孩童和体弱人士靠近工作场所。请勿让访客触摸工具或延伸线缆。与作业无关的访客也必须保持安全距离。
5. 不使用的电动工具应存放到干燥而孩童和体弱人士伸手不及的高处，并加锁保管。
6. 不得使劲用力推压。电动工具需按设计条件才能有效而安全地工作，绝不可勉强。
7. 妥选使用工具。不可用小型工具或附件去干重活。不可用于规定外的作业。举例说，用圆锯进行伐木打枝或原木锯切作业。
8. 工作时衣服穿戴要合适。不要让松散的衣角和宝石类卷入转动部份。屋外作业时,最好手戴橡胶手套,脚穿防滑胶鞋。同时要戴上能够罩笼长发的工作帽。
9. 绝大多数的电动工具作业时，均需戴安全眼镜。进行粉尘飞扬的切削作业时，需戴防尘面罩。
10. 连接除尘设备。
    如果提供连击除尘和集尘的设备，请确认是否已经连接好并且使用正常。
11. 不要拿电线提起电动工具，也不得拉扯电线从电源插座拆除插头。电线需从热源和油液隔开，并避免与锐利的边缘接触。

12. 作业以安全第一为原则。工件要用夹具或台钳卡紧。这样做，比用手按压更为可靠，也能够让双手专心操作。
13. 作业时脚步要站稳，身体姿势要保持平衡。
14. 工具应维护妥善，经常保持锋利、清洁才能充分发挥性能，落实作业安全的要求。应按规定加注润滑脂、更换附件。线缆应定期检查，如发现损伤应即委托专业性的服务单位加以修复。延伸电缆如有损伤应予更换。手柄要保持干燥，并防止沾附油脂类。
15. 不使用时、维修前以及更换附件（如：刀具、钻头、锯具等）之前，都必须拆卸电源插头才行。
16. 开动前务必把调整用键和扳手类拆除下来。这一点与安全有关。应养成习惯，严格遵守。
17. 谨防误开动。插头一插上电源插座，指头就不可随便接触电源开关。插接电源之前，应先确认：开关是否切断。
18. 室外延伸线缆的使用。室外作业时，必须使用专用的延伸线缆。
19. 保持高度警觉，充分掌握情况，以正常的判断力从事作业。疲惫时切不可开动电动工具。
20. 检查损坏部件。在继续使用电动工具之前，应详细检查各部零件以及防护装置有无损坏，以便判断工具能否正常工作、能否发挥正常效能。检查转动部份的对准、空转、各零件有无异常、安装是否妥善以及其它足以给工作带来不良影响的情况。如防护以及其它零件损伤了。除非本说明书中已有记载否则应即委托服务中心进行妥善修理或更换。开关一发现缺陷，应即委托服务中心加以更换。如开关不能正常地接通或切断，绝不可使用该电动工具。
21. 警告
    使用非本说明书中的推荐的附件可能有发生人身损害的危险。
22. 本工具必须委托有资格的维修人员进行维修。
    本电动工具满足相关的安全要求。维修必须由专业人员使用纯正配件来进行。否则有可能会给用户造成人身损害。

使用复合式斜口锯须知

1. 机器周围的地面应保持水平，维护良好且无松散的物料，如碎屑与切片。
2. 保证充足的总体或局部照明。
3. 请勿将本电动工具用于使用说明书中所规定之外的其他用途。
4. 维修仅能由有资格的维修人员进行。制造厂商对因非专业维修人员进行维修及使用不当而造成的损坏和损伤概不负责。
5. 为了保证设计的完整性，电动工具的盖罩和螺钉类不可随便拆除。
6. 除非电线插头已从电源插座拆下，绝不可接触转动部分或附件。
7. 应以低于铭牌上的额定输入功率进行作业。否则电动机将过载而影响工作精度，并降低效率。

8. 不可使用溶剂擦拭塑料零件。因为：汽油、冲淡剂、轻质汽油、四氯化碳、酒精等都会使塑料损伤或发生龟裂，所以应避免使用。擦拭塑料制品，可以使用稍微沾湿了肥皂水的柔布。
9. 只能使用HiKOKI指定的更换零件。
10. 本电动工具只在更换炭刷时才可拆解。
11. 本使用说明书中的组装分解图仅用于经授权的维修店。
12. 切勿切割铁金属或砖瓦材料。
13. 提供充足的总体或局部照明。原料与成品工件应位于操作员的正常工作位置附近。
14. 必要时应使用适当的个人保护设备，可包括：
    听力保护，以减少听力受损的风险。
    眼部保护，以减少眼睛受伤的风险。
    呼吸保护，以减少吸入有害灰尘的风险。
    手套，用于操作锯条 (移动锯条时应尽可能把锯条放在支架中) 以及粗糙材料。
15. 操作员应接受机器使用、调节与操作方面的充分培训。
16. 在机器运行且锯头未处于停止位置时，不得从切割区域移去工件的任何切片或其他部分。
17. 复合式斜口锯的下护罩锁定在开启位置时，切勿使用复合式斜口锯。
18. 确保下护罩能够平滑地移动。
19. 安全罩未处于正常位置时请勿使用复合式斜口锯，要在其工作状态良好且得到正确的维护的情况下使用。
20. 使用经过正确磨快的锯条。注意锯条上标注的最大速度。
21. 锯条破损或变形时请勿使用。
22. 不要使用以高速钢材制造的锯条。
23. 请仅使用HiKOKI公司所推荐的锯片。
24. 锯片的外径应为 216 mm。
25. 须根据要切割的材料来选择锯条。
26. 请勿在锯条转向前面或转向侧面的状态下使用复合式斜口锯。
27. 确保工件上无任何异物 (如铁钉等)。
28. 导板磨损时请予更换。
29. 请勿使用锯条切割铝材、木材或类似材料以外的材料。
30. 请仅使用制造商所推荐的复合式斜口锯切割材料。
31. 锯条更换程序，包括重置方法以及关于务必正确进行此程序的警告。
32. 在切割时，将复合式斜口锯与吸尘装置相连接。
33. 开槽时要小心。
34. 在搬运此电动工具时，请勿抓住其支架。应抓住手柄而不要抓住支架。
35. 须在电动机达到最大转速时才开始切割。
36. 发现异常情况时应迅速断开开关。
37. 在切断电源并等到锯条停止之后，方可对工具进行维修或调整。
38. 在进行斜接切割或斜角切割中，在锯条完全停止转动之后，方能升高锯条。

39. 在进行切割作业时，操作员务必将锯片朝外推。
40. 务必考虑切割操作中所有可能产生的遗留风险，如激光辐射对眼睛的伤害、无意中接触机器滑动机械部分的运动部件等等。

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

部件名称

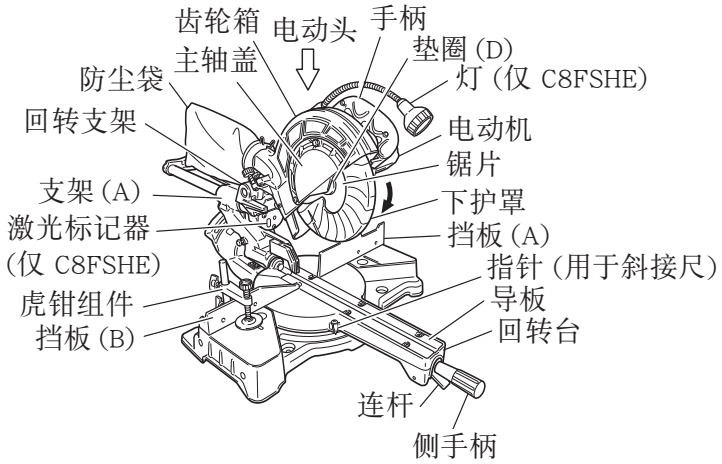


图 1

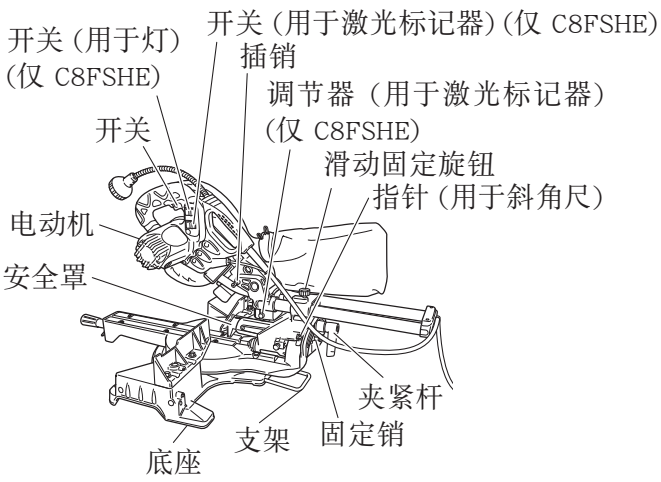


图 2

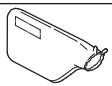
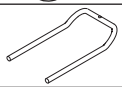
规格

最大切割容量 高 × 宽	0°		65 mm×312 mm **75 mm×262 mm 连同辅助板 (30 mm)
	斜接 45°		65 mm×220 mm **75 mm×185 mm 连同辅助板 (20 mm)
	斜角	左 45°	45 mm×312 mm **50 mm×252 mm 连同辅助板 (30 mm)
		右 5°	60 mm×312 mm **70 mm×252 mm 连同辅助板 (30 mm)
	复合	斜角 (左) 45° + 斜接45°	45 mm×220 mm **50 mm×170 mm 连同辅助板 (30 mm)
		斜角 (右) 5° + 斜接45°	60 mm×220 mm **70 mm×170 mm 连同辅助板 (30 mm)
锯片尺寸 (外径×内径×厚度)			216 mm×25.4 mm×2 mm
斜接切割角			右 0° ～ 57°，左 0° ～ 45°
斜角切割角			右 0° ～ 5°，左 0° ～ 48°
复合切割角	斜角 (左) 0°～45°		斜接 (左与右) 0°～45°
	斜角 (右) 0°～5°		
电压			220 V ～
输入功率			1050 W
空载转速			5500 /min
机器尺寸 (宽度×深度×高度)			555 mm×790 mm×485 mm
重量 (净重)			14.5 kg (C8FSHE)/ 14 kg (C8FSE)
激光标记器 (仅 C8FSHE 型号)	最大输出		Po<3 mW II 级激光产品
	(lambda)		654 nm
	激光介质		激光二极管

在切割“**”尺寸的工件时，即使将电动头置于下限位置，也务必使圆锯的下端能够接触工件。切割工件时务必谨慎。有关详情，参见“实际应用”。请将辅助板安装到挡板下面(关于辅助板厚度，参见())。参见“12. 切割大工件”(第 14 页的图 16)。

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。

216 mm TCT 锯条 (安装在工具上)		1
防尘袋		1
10 mm 套筒扳手		1
虎钳组件		1
支架		1
侧手柄		1

选购件 (另售)

(1) 扩展支架和止动片
(2) 锯片 216 mm TCT 锯片 (总齿数：60)
(3) 冠状模塑虎钳组件 (包括冠状模塑止动片 (L))
(4) 冠状模塑止动片 (L)
(5) 冠状模塑止动片 (R)
(6) 小挡板

用途

○ 切割各种类型的铝制框架和木材。

打开包装

○ 请小心打开电动工具和所有相关物品 (标准附件) 的包装。
○ 请仔细核对所有相关物品 (标准附件) 齐备无误。

作业之前

1. 电源
确认所使用的电源与工具铭牌上标示的规格是否相符。

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，应使用容量足够、铠装合适的延伸线缆，并且要尽可能地短些。
4. 当准备运输电动工具时，其主要部件须用锁定插销固定
   稍稍移动手柄，可使锁定插销脱落。
   在运输过程中，将锁定插销锁在齿轮箱内(图 3)。

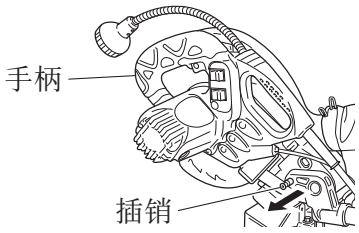


图 3

5. 将防尘袋安装在电动工具上(第 5 页的图 1)
6. 安装
   保证机器始终固定在工作台上。
   请将电动工具安装在水平的工作台上。
   选择长度适合工作台厚度的 8 mm 直径螺栓。
   螺栓长度至少为 25 mm 加工作台厚度。
   例如，在 25 mm 厚度工作台上使用 8 mm×65 mm 螺栓。

使用前调节电动工具

注意！

在插入电源插头之前，请完成所有必需的调节。

1. 确认下护罩操作顺畅
   下护罩设计于保护操作员在操作该工具时不接触锯片。(图 4)
   请务必检查下护罩能够平滑地移动并正确地箍罩锯片。

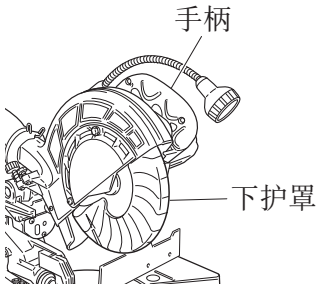


图 4

警告！

如下护罩不能平滑地运行，则切勿操作该电动工具。

2. 检查锯片的下限位置（图 5 与图 6）
检查锯片是否可以降低到导板以下 10 mm 至 11 mm。更换新锯片时，请按照锯片不会切割到回转台或无法进行完整切割的原则调节下限位置。
如需调节锯片的下限位置，请遵循下列第 (1) 步。（图 6）
此外，改变用作锯片下限位置止动片的 8 mm 深度调节螺栓的位置时。

(1) 转动 8 mm 深度调节螺栓，改变螺栓头和回转支架接触位置的高度，然后调节锯片的下限位置。

注：
确认调节的锯片不会切割到回转台。

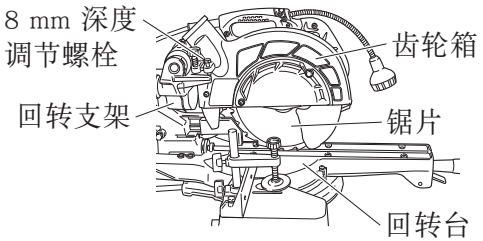


图 5

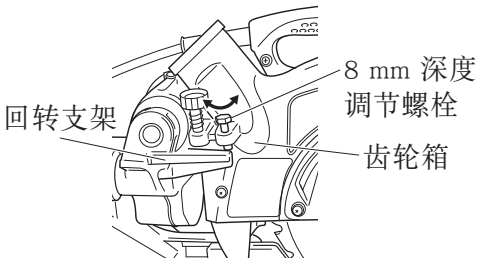


图 6

3. 切割较大工件时锯片的下限位置

注：
直角切割工件的高度超过 65 mm、左斜角切割工件的高度超过 60 mm 或者右斜角切割工件的高度超过 45 mm 时，请按照电动头底座（图 5）不会与工件接触的原则调节下限位置。

实际应用

警告！

○ 为避免人员受伤，使用工具时切勿从台上移走工件或把工件放在台上。
○ 使用工具时切勿使四肢进入警告标志旁边的线内，否则可能发生危险（见图 7）。

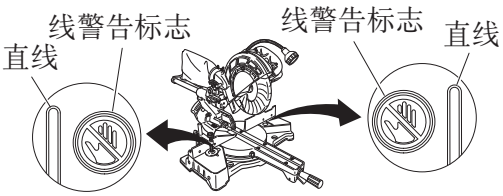


图 7

注意！

○ 在锯条转动时取下或安装工件非常危险。
○ 在进行切割作业时，请从回转台上清除刨花。
○ 如果刨花堆积太多，切割材料的锯条便会暴露。切勿让您的手或其他任何东西靠近暴露的锯条。

1. 用虎钳组件紧紧固定要切割的材料，使其在切割中不会移动

2. 开关操作
   拉动触发器打开开关。松开触发器便可关闭开关。
3. 调整底座支架 (图 8)
   用随附的 10 mm 套筒扳手拧松 6 mm 螺栓。调整底座支架，使其底面接触到工作台或地面。
   调整完毕后，用 6 mm 螺栓紧紧固定。
4. 使用虎钳组件 (标准附件) (图 9)

(1) 可拧松 6 mm 翼栓 (A)，将虎钳组件安装在左挡板〔挡板 (B)〕或右挡板〔挡板 (A)〕。
(2) 根据工件的高度，可拧松 6 mm 翼栓 (B) 来升高或降低螺栓支架。调节结束后，须拧紧 6 mm 翼栓 (B) 并固定螺栓支架。
(3) 转动上旋钮并将工件固定于适当位置。

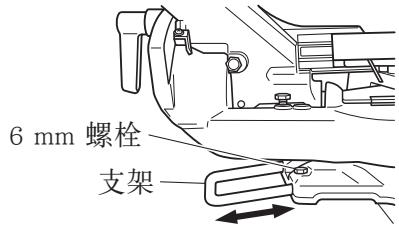


图 8

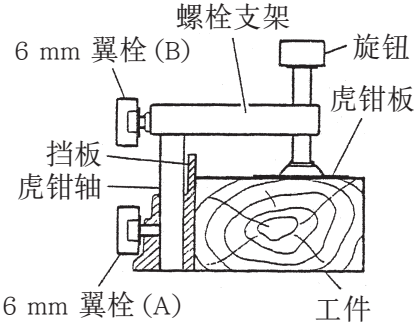


图 9

警告！

须始终夹紧夹具或虎钳以确保工件固定在挡板上，否则工件可能会从导板上飞出并造成人身伤害。

注意！

须确保虎钳降低进行切割时不会与电动头接触。如果有可能碰到，请松开 6 mm 翼栓 (B) 并将虎钳组件移到不会碰到锯片的位置。

5. 放置导板 (第 5 页的图 1)
   导板安装在回转台上。出厂装运工具时，按照锯片不会与导板接触的原则固定导板。如果按照导板侧面和锯片的间隙为最小的原则固定导板，则台面工件底面的嗡嗡声将会明显降低。使用工具之前，请按照下列步骤消除该间隙。

(1) 直角切割
   松开三颗 6 mm 机用螺丝，然后固定左侧导板并暂时旋紧两端的 6 mm 及其螺丝。然后使用虎钳组件固定工件 (宽度约为 200 mm) 并将其切除。将切割表明与导板边缘对齐之后，牢牢旋紧两端的 6 mm 机用螺丝。取出工件并牢牢旋紧 6 mm 中央机用螺丝。按照相同的方式调节右侧导板。

(2) 左右斜角切割
   按照右角切割相同的步骤调节导板。

注意！

将导板调节于进行直角切割之后，如果用于斜角切割，则导板将被部分切除。需要斜角切割操作时，请调节导板进行斜角切割。

6. 确认使用小挡板 (选购附件)
在直接角度切割和右斜角切割中，请使用小挡板。这样就可以进行左斜角切割、右斜角切割和直接角度切割，实现对具有宽大背面的材料进行稳定的切割。

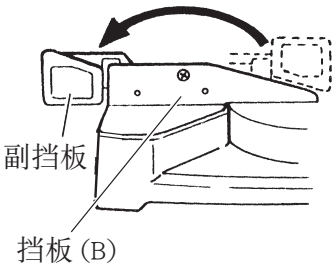


图 10

警告！

在左斜角切割中，请逆时针旋转小挡板（图 10)。如果不是逆时针旋转，主机或锯片可能与小挡板接触，从而引起伤害。

7. 使用墨线
在降低电动机部分时，下护罩升起，而出现锯条。
将墨线与锯条对齐。

注意！

在锯条旋转时切勿提起下护罩。
不仅会接触副挡板并影响切割精度，还可能损坏安全罩。

8. 安装侧手柄 (第 5 页的图 1)
安装本机器随附的侧手柄。
9. 激光线的位置调节 (仅适于 C8FSHE 型号)
可以方便地在本工具上画墨线以进行激光标记器。通过一个开关点亮激光标记器 (图 11)。
根据您所选择的切割方式，激光线可与切割宽度 (锯条) 的左侧或位于右侧的墨线对齐。
出厂时激光线被调节至锯条宽度。

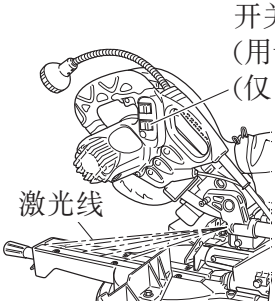


图 11

请按照您 的使用选择，进行下列步骤以调节锯条及激光线的位置。

(1) 点亮激光标记器，并在工件上刻出一条约 5 mm 深的凹槽，其高度约为 20 mm、宽度约 150 mm。用虎钳把刻有凹槽的工件固定在原位，不要移动。关于开槽作业，参见“21. 凹槽切割步骤”。

(2) 然后转动调节器并移动激光线。(如果顺时针转动调节器，则激光线将向右移动；如果逆时针转动调节器，则激光线向左移动。) 如使用时墨线与锯条的左侧对齐，则将激光线与凹槽的左端对齐 (图 12)。如墨线与锯条的右侧对齐，则将激光线与凹槽的右侧对齐。

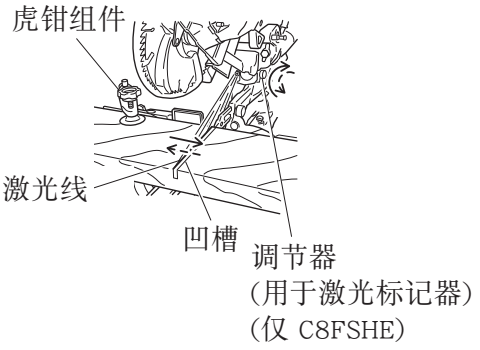


图 12

(3) 调节激光线的位置之后，在工件上画出一条直角墨线，并将墨线与激光线对齐。对齐墨线时，应一点一点地滑动工件，并在激光线与墨线重叠的位置将其用虎钳固定。再次进行凹槽操作，并检查激光线的位置。如需改变激光线的位置，则按照第 (1) 至 (3) 步再次进行调节。

警告！

○ 在将电源插头插入插座之前，确保主体与激光标记器均关闭。
○ 在使用开关调节激光线的位置时应极为小心，因为操作时电源插头已插入插座。
如在无意中拉动了开关，则锯条会旋转，并造成事故。
○ 不要卸下激光标记器用于其他目的。

注意！(图 13)

图 13

○ 激光辐射 － 切勿直视光束。
○ 工作台上有激光辐射。切勿直视光束。眼睛直接暴露于激光束时可能受伤。
○ 切勿拆卸。
○ 不要猛烈撞击激光标记器 (工具主体)；否则激光线的位置可能错乱，从而损坏激光标记器并缩短使用寿命。
○ 仅在切割操作中点亮激光标记器。激光标记器点亮时间过长可导致缩短使用寿命。
○ 如采用本处未说明的控制或调节或执行未说明的其他程序，则可引起有害的辐射暴露。

注：

○ 将墨线与激光线重叠以进行切割。

○ 当墨线与激光线重叠时，光的强弱会发生变化，使切割操作稳定。因为这样可以方便地分辨线的一致性。这确保了最小的切割误差。

○ 在室外或靠近窗户的操作中，可能由于日光的原因而难以看清激光线。此时应移至不直接暴露于日光的地点，并进行操作。

○ 不要拖动电动头后方的电线或用手指、木头等钩住，否则电线可能脱落，使激光标记器不能点亮。

○ 定期检查并确认激光线的位置是否正确。检查方法：在工件上画出一条直角墨线，其高度约 20 mm、宽度约 89 mm，并检查激光线是否与墨线对齐 [墨线与激光线之间的偏离应小于墨线的宽度(0.5 mm)] (图 14)。

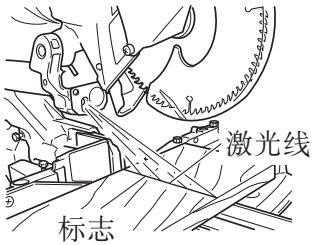


图 14

10.切割操作

(1) 如图 15所示，锯条的宽度为切割宽度。因此，在需要长度 ⓑ 时将工件向右侧滑动 (从操作员的位置看去)，或在需要长度 ⓐ 时向左侧滑动。
如使用激光标记器，则将激光线与锯条的左侧对齐，然后将墨线与激光线对齐。

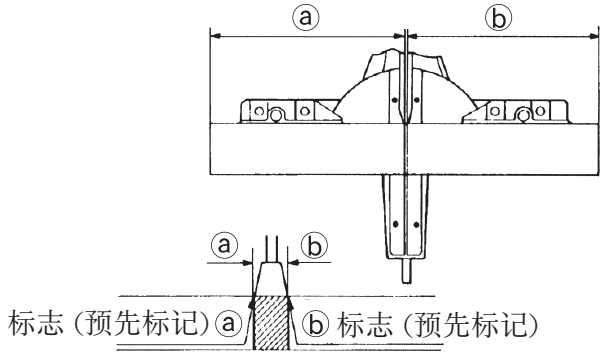


图 15

(2) 锯片达到最大速度后，小心地压下手柄，直至锯片接近工件。

(3) 锯条接触工件后，逐渐压下手柄，以切入工件。

(4) 切入工件至所需的深度后，关闭电动工具，让锯条完全停止，再从工件中提起手柄，使其回到完全收回位置。

注意！

○ 关于最大切割尺寸，参见“规格”表。

○ 在手柄上加大压力并不能提高切割速度。相反，压力过大可能使电动机过载与 / 或降低切割效率。

○ 不使用工具时，确认开关已关闭，且电源插头从插座中拔出。

○ 在从工件中提起手柄前，务必关闭电源并让锯条完全停止。如在锯条仍旋转时提起手柄，则切除的碎片可能卡住锯条，使碎片飞散，造成危险。

○ 每次完成深切割操作后，关闭开关，检查锯条是否停止。然后提起手柄，并使其回到完全收回位置。

○ 务必从回转台上清除切割材料，然后进行下一步。

11.切割窄工件 (按压切割)
将回转支架向下滑动至支架 (A)，然后旋紧滑动固定旋钮 (第 5 页的图 2)。降低手柄来切割工件。以该方式使用电动工具允许切割最大 65 mm^2 的工件。

12.切割大工件
根据工件高度的不同，可能会出现无法进行完整切割的情况。此时，借助挡板面上的 7 mm 孔 (每侧各有两个孔)，使用 6 mm 平头螺丝和 6 mm 螺母安装辅助板。(图 16)
关于辅助板厚度，参见“规格”。

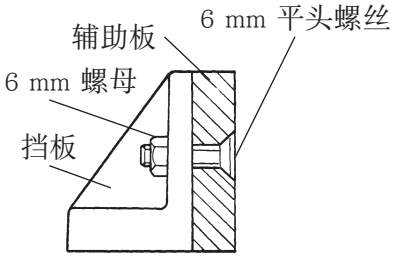


图 16

13.切割宽工件 (滑动切割)
松开滑动固定旋钮 (第 5 页的图 2)，抓住手柄并向前滑动锯片。按压手柄并向后滑动锯片来切割工件。这样即可易于切割最宽 312 mm 的工件。

警告！

由于电动头降低时锯片靠近侧手柄，因此切割作业期间切勿将您的手放在侧手柄上。

14.斜接切割程序
(1) 松开侧手柄，并向上推动角度止动片的连杆。然后调节回转台，直至指针与斜接尺上的所需设定对齐 (图 17)。
(2) 重新拧紧侧手柄，确保回转台处于所需位置。
(3) 斜接尺指示角尺的切割角度和分级尺上的倾斜度。
(4) 倾斜度是指高度相对要移动三角形底边的比例，根据需要，可能用于设定斜接尺而不是切割角度。
(5) 因此，如需以 2/10 级切割工件，请将指针设定至位置。

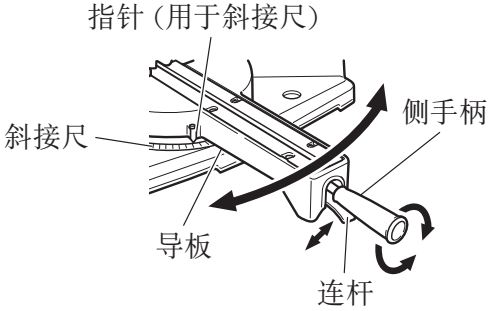


图 17

注：
○ 在 0° 中心设定的右侧与左侧，15°、22.5°、31.6° 与 45° 设定的位置，回转台均会停止转动。
检查斜接尺与指针的尖端是否对齐。
○ 在斜接尺与指针未对齐、或侧手柄未正确拧紧的情况下使用复合式斜口锯，会造成切割精度低下。

15.斜角切割步骤 (图 18)

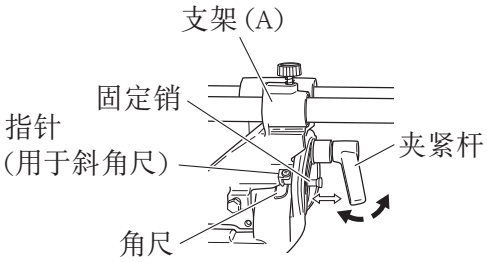


图 18

注意！

○ 斜角切割时，确保夹紧杆固定牢固。
○ 当要切除的材料长度超过 25 mm 时，请执行此操作。有时会因锯片卡在下护罩内而无法完成切割。

(1) 松开夹紧杆并使锯片向左或向右倾斜。
将电动头向右倾斜时，向右拉动固定销。

注：
松开夹紧杆，向左倾斜电动工具，然后拉动固定销，进行 48 度的切割。
松开夹紧杆，向左倾斜的同时将固定销插入电动工具。此时，固定销将插入一档，卡入 30° 左倾和 33.9° 左倾固定槽。当固定销如上所述卡入固定槽后，可以向右推动固定销使其卡入 30° 左倾位置。
同样，当固定销如上所述卡入固定槽后，可以向左推动固定销使其卡入 33.9° 左倾位置。

(2) 看着角尺和指针将斜角调整为所需设定，然后再固定夹紧杆。

警告！

○ 工件固定于锯条左侧时，短小的切除部分会停留在锯条右侧。在从工件上抬起手柄之前，必须先切断电源并让锯条完全停止转动。
如果在锯条仍在转动时抬起手柄，被切除的碎片可能会卡住锯条，导致碎片撒开，非常危险。
○ 中途停止斜角切割时，应把电动头拉回初始位置，再开始切割。
如未拉回而从中途开始切割，则可能造成下护罩卡在工件的切割凹槽中，并接触到锯条。

16.复合切割步骤
您可以按照以上第 13 和第 14 步的说明进行复合切割。关于复合切割的最大尺寸，参见“规格”表。

注意！

务必用右手或左手固定工件，然后用左手滑动锯的圆形部分进行切割。
由于锯片可能会接触到固定工件的手，因此复合切割期间将回转台向左旋转是非常危险的。
左斜角进行复合切割 (角度 + 斜角) 时，逆时针转动小挡板 (B)，并进行切割操作。

17.切割长材料

切割长材料时，请使用与支架（选购附件）和特别辅助设备底座等高的辅助平台。

最大尺寸： 木材（宽×高×长）

300 mm×45 mm×1050 mm，或

180 mm×25 mm×1600 mm

18.安装支架（选购件）

在切割操作中，支架可用于延长工件台并使之保持正确位置。

(1)如图 19 所示，使用方钢来对齐支架的上缘与底座面。松开 6 mm 翼状螺母。旋转高度调节螺栓 6 mm，并调节支架的高度。

(2)调节后，旋紧翼状螺母并用 6 mm 旋钮螺栓（选购件）固定支架。如高度调节螺栓6 mm 的长度不足，则在其下方放置一块薄板。高度调节螺栓6 mm 的末端不得从支架中突出。

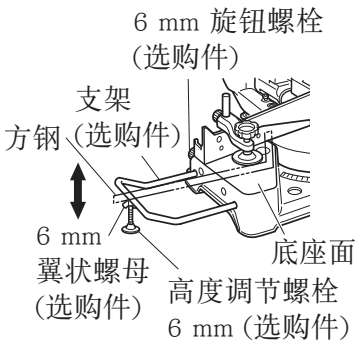


图 19

注意！

○ 在搬运此电动工具时，请勿抓住其支架。

○ 存在支架脱离底座的危险。应抓住手柄而不要抓住支架。

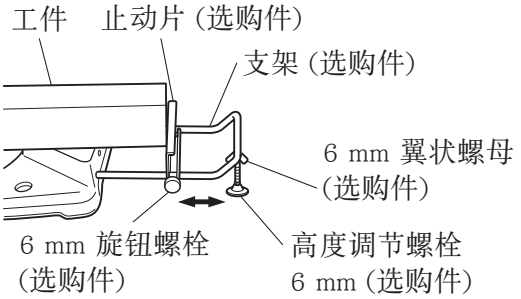


图 20

19.精密切割的止动片（止动片与支架为选购件）

止动片有助于长度为 280 mm 至 450 mm 的连续精密切割。安装止动片时，按照图 20 所示，用 6 mm 旋钮将其与支架连接。

20.确认使用冠状模塑虎钳、冠状模塑止动片 (L) 与 (R)（选购件）

(1)通过冠状模塑止动片 (L) 与 (R)（选购件），可以方便地切割冠状模塑，而无需倾斜锯条。将其安装在底座两侧，如图21所示。插入后旋紧 6 mm 旋钮螺栓，以固定冠状模塑止动片。

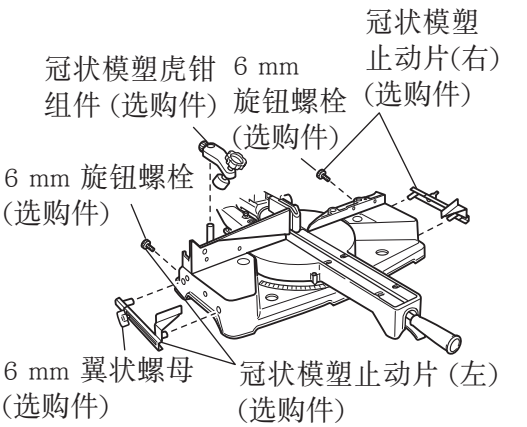


图 21

(2) 冠状模塑虎钳(B) (选购件) 可安装在左挡板 (挡板 (B)) 或右挡板 (挡板(A)) 上。它可与冠状模塑的斜角结合，并可按下虎钳。
然后按照需要转动上部旋钮，以可靠地连接冠状模塑。如需升高或降低虎钳组件，首先应松开 6 mm 翼栓。
调节高度后，旋紧 6 mm 翼栓，然后按照需要旋转上部旋钮，以可靠地连接冠状模塑 (见图 22)。

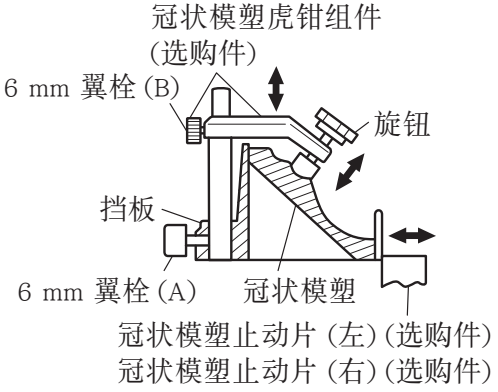


图 22

放置冠状模塑时，使其壁接触缘贴紧导引挡板，而其顶接触缘贴紧冠状模塑止动片，如图 22 所示。根据冠状模塑的大小来调节冠状模塑止动片。
旋紧 6 mm 翼栓以固定冠状模塑止动片。

警告！

务必夹紧或用虎钳将冠状模塑固定在挡板上，否则冠状模塑可能从台上冲出，而造成人身伤害。
不要进行斜角切割。主体或锯条可能与副挡板接触，从而引起伤害。

注意！

务必确认电动头 (第 5 页的图 1) 在降低进行切割时不会接触冠状模塑虎钳组件。如有发生接触的危险，则松开 6 mm 旋钮螺栓，并移动冠状模塑虎钳组件至不会接触锯片的位置。

21.凹槽切割步骤
工件上的凹槽可通过调节 6 mm 深度调节螺栓刻出 (图 23)。
(1) 降低电动头，然后用手转动 6 mm 深度调节螺栓 (6 mm 深度调节螺栓头接触回转支架)。
(2) 通过设定锯片与回转台表面之间的距离调节至想要的刻入深度 (图 24)。

注：
在工件两端各刻出一条凹槽时，请用凿子凿去不需要的部分。

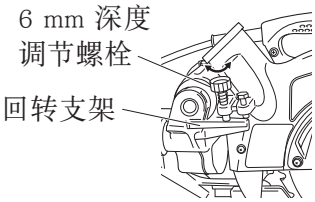


图 23

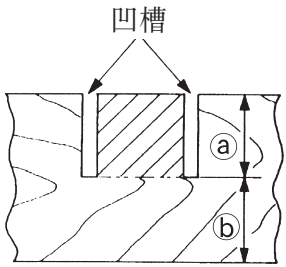


图 24

22.使用灯 (仅 C8FSHE 型号)

警告！

○ 将电源线插入电源插座之前，请检查确认电动工具和灯的电源关闭。
○ 使用期间及稍后，灯的温度很高，任何情况下均不得触碰。
否则可能导致烧伤。

注意！

○ 切勿让灯受到重力撞击。
否则可能导致灯的损坏或寿命缩短。
○ 仅在切割时才能将灯打开。
○ 请勿持续让灯光照射到眼睛。
否则可能导致眼睛损伤。
○ 用软布轻轻擦去粘附在照明透镜上的所有灰尘，切勿刮伤或损坏灯。
刮伤照明透镜可能导致照明减弱。
○ 灯的开关装有防尘罩。确保开关罩不会被刮伤或损坏。
○ 有时会出现锯屑进入开关，导致灯的故障。

(1) 将电动工具的插头插入电源插座。
(2) 将灯开关拨到上位 (ON) 使其点亮，拨到下位 (OFF) 使其熄灭 (图 25)。
(3) 左右移动灯，调整照明位置。

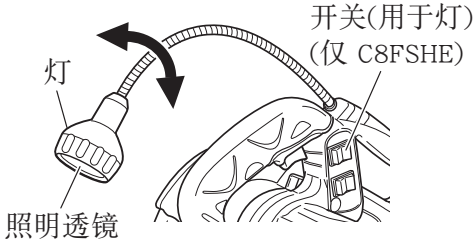


图 25

锯条的安装和拆卸

警告！

为了防止事故或人体伤害的发生，在拆卸或安装锯条之前必须首先关闭开关并从电源插座拔下插头。

1. 安装锯片 (图 26、图 27 与图 28)
(1) 使用附件 10 mm 套筒扳手松开主轴盖的 6 mm 螺栓，然后转动主轴盖。
(2) 按下主轴锁并用 10 mm 套筒扳手松开螺栓。
由于螺栓为左侧螺纹，需向右旋转将其松开。

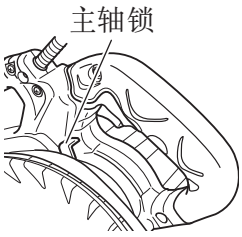


图 26

注：
如难以按下主轴锁以锁定主轴，则在于主轴锁上施加压力的同时用 10 mm 套筒扳手转动螺栓。
向内按下主轴锁时，锯片主轴被锁定。
(3) 取下螺栓与垫圈 (D)。
(4) 提起下护罩并安装锯片。

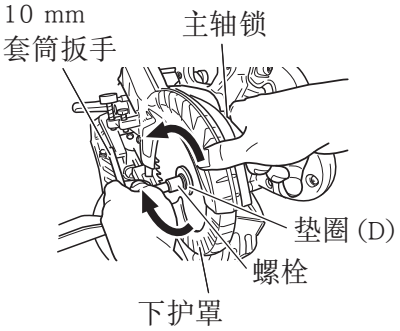


图 27

警告！
安装锯片时，确认锯片上的旋转指针标志与齿轮箱的转动方向一致。

(5) 仔细清洗垫圈 (D) 和螺栓，并将其安装在锯片主轴上。
(6) 按下主轴锁，然后用 10 mm 套筒扳手将螺栓向左转动以旋紧。
(7) 旋转主轴盖，直至主轴盖上的钩眼处于原始位置。然后旋紧 6 mm 螺栓。

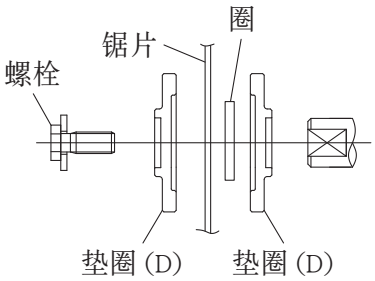


图 28

注意！
○ 安装或取下锯条后，确认主轴锁回到收回位置。
○ 旋紧螺栓，使其在操作中不会松开。
○ 起动电动工具前，确认螺栓已被拧紧。
○ 确认下护罩处于闭合位置。

2. 拆卸锯条
按照上述第 1 段所述安装程序的相反顺序拆卸锯条。
提起下护罩后可方便地拆下锯条。

注意！
切勿试图安装直径在 216 mm 范围以外的锯条。

维护和检查

警告！
为了避免发生事故和人体伤害，在对本电动工具进行任何维修和检查之前，必须先确认已关闭开关及已从电源插座拔下电源插头。
如发现电动工具 (包括下护罩和锯片) 的故障，请尽快向专业人员报告。

1. 检查锯条
   发现变质或损坏后应立即更换锯条。
   损坏的锯条可引起人身伤害，而磨损的锯条则可导致无效的操作，并可能使电动机过载。

注意！

切勿使用不锋利的锯条。锯条不锋利时，它对于由工具手柄所施加的手部压力的阻力会增加，使电动工具的使用变得不安全。

2. 检查安装螺丝
   要经常检查安装螺丝是否紧固妥善。若发现螺丝松了，应立即重新扭紧，否则会导致严重的事故。
3. 检查炭刷（图 29）
   马达使用炭刷，它是消耗部品，因此使用过久的炭刷将会导致马达故障，用具有相同炭刷号的新炭刷去更换旧的，炭刷编号用数字表示炭刷何时用旧或接近于磨损极限。此外，要经常保持炭刷清洁以及保证它在刷握里能自由滑动。

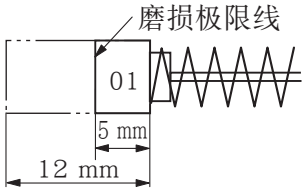


图 29

4. 更换炭刷
   用无头螺丝刀卸下炭刷盖、然后可以很容易的取下炭刷。
5. 电动机的维护
   电动机绕线是电动工具的“心脏部分”。应仔细检查有无损伤，是否被油液或水沾湿。
6. 检查下护罩是否操作无误
   在每次使用工具之前，测试下护罩（见**第 8 页的图 4**）以确保其状态良好且运动自如。
   除非下护罩操作正常、且机械状态良好，否则切勿使用工具。
7. 储藏
   工具使用后，应进行下列各项的检查：

(1) 开关处于关闭（OFF）位置。
(2) 电源插座从插座中拔出。

   不使用工具时，将其储藏在儿童无法接触的干燥场所。

8. 润滑油
   每月应润滑以下滑动面一次，以使电动工具长时间保持良好的工作状态。
   请使用推荐的机油。
   注油位置：
   * 回转支架的转动部分
   * 支架（A）的转动部分
   * 虎钳组件的转动部分

9. 清洁

定期用蘸有肥皂水的湿布除去电动工具表面上的碎屑和其它废料。为了避免电动机发生故障，切勿使其接触油或水。

(仅适于 C8FSHE 型号)

如由于碎屑等粘在激光标记器发光部分的窗口上而无法看清激光线，则用干布或以肥皂水等蘸湿的软布擦拭并清洁窗口。

10.维修零部件一览表

注意！

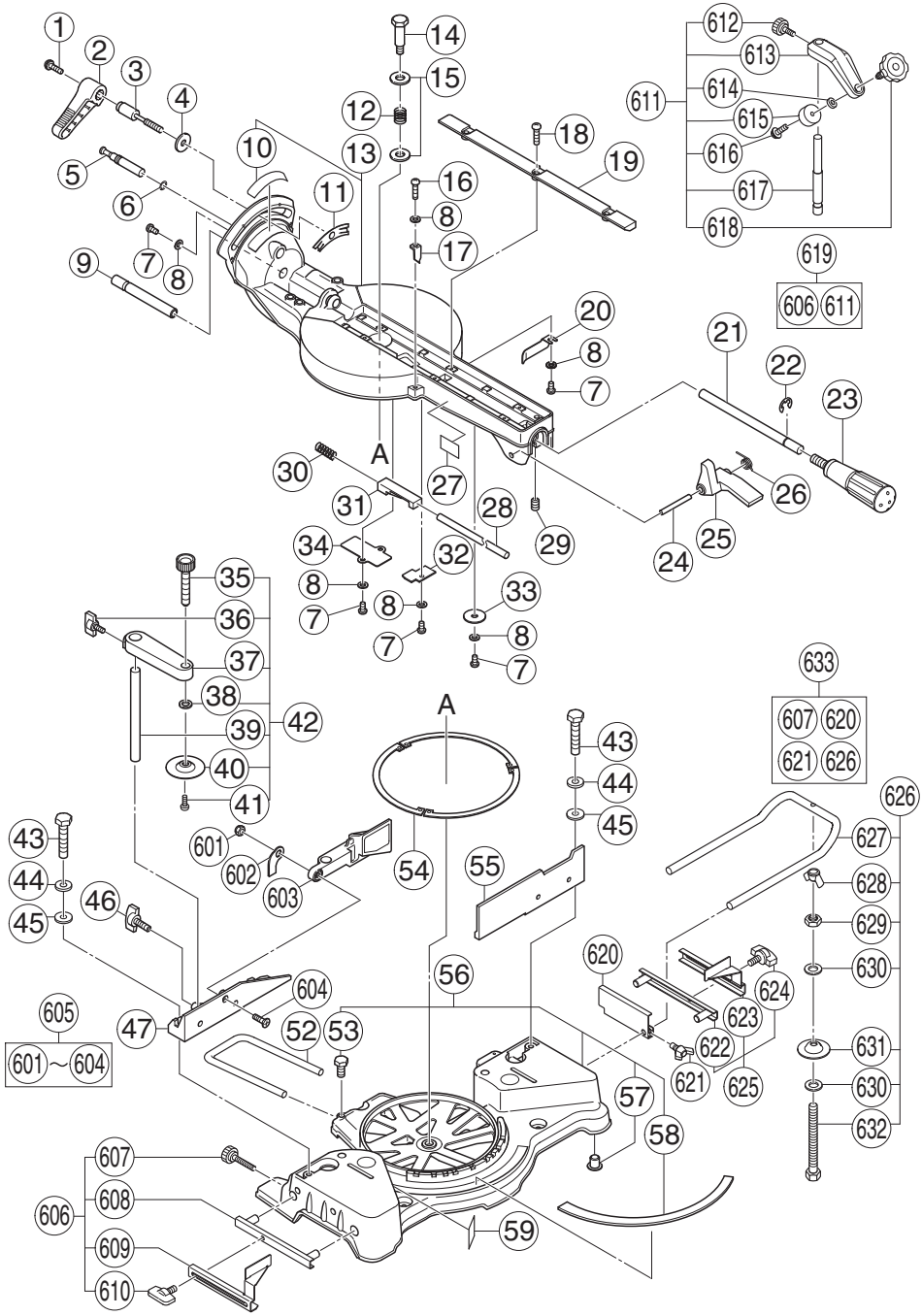
HiKOKI牌电动工具的维修、改造和检查须由经HiKOKI公司授权的维修中心进行。

当要求维修或其它保养服务时，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。

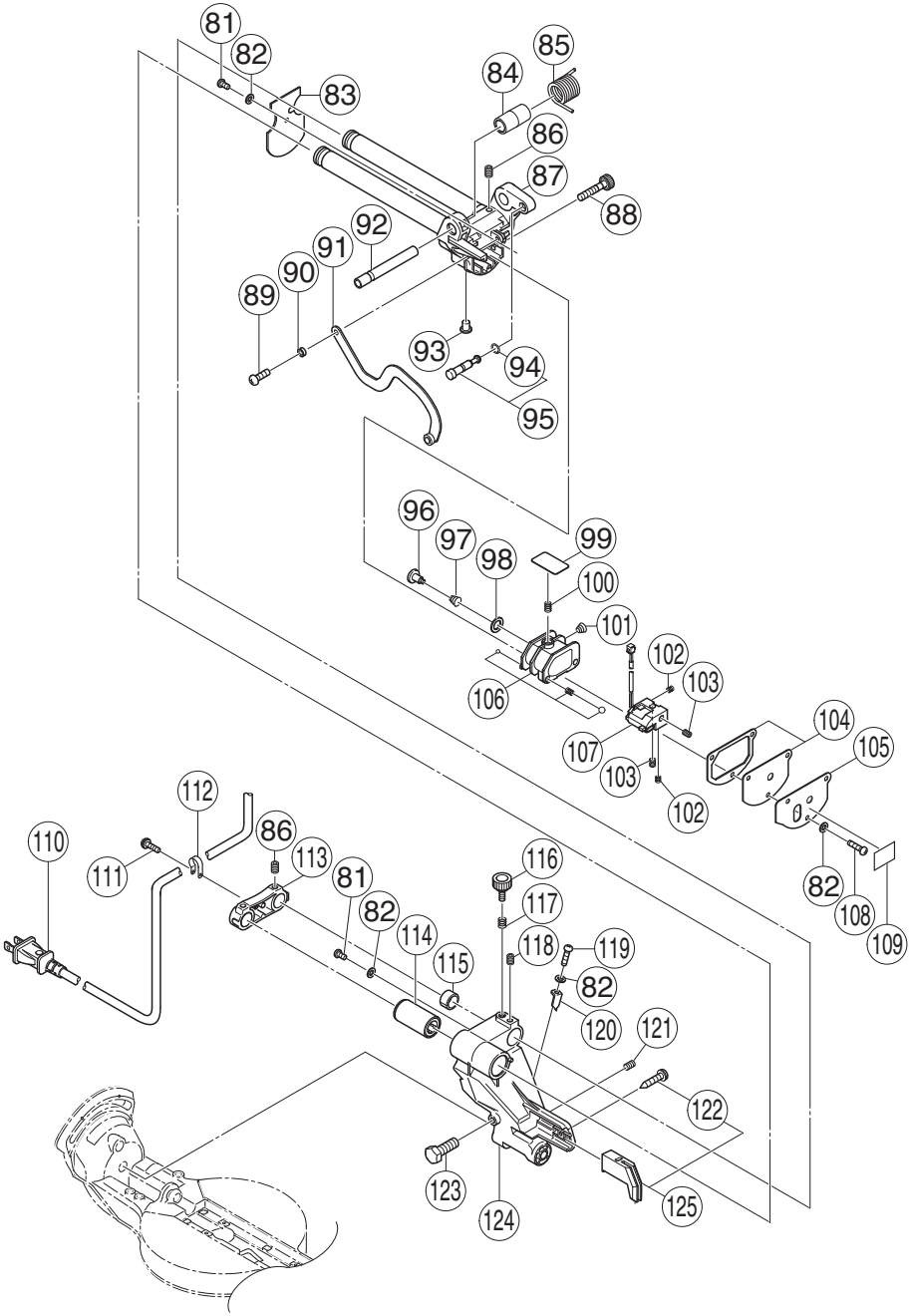
在操作和维修电动工具时，必须遵守贵国制定的安全的有关规则和标准。

维修零部件一览表

C8FSHE



C8FSHE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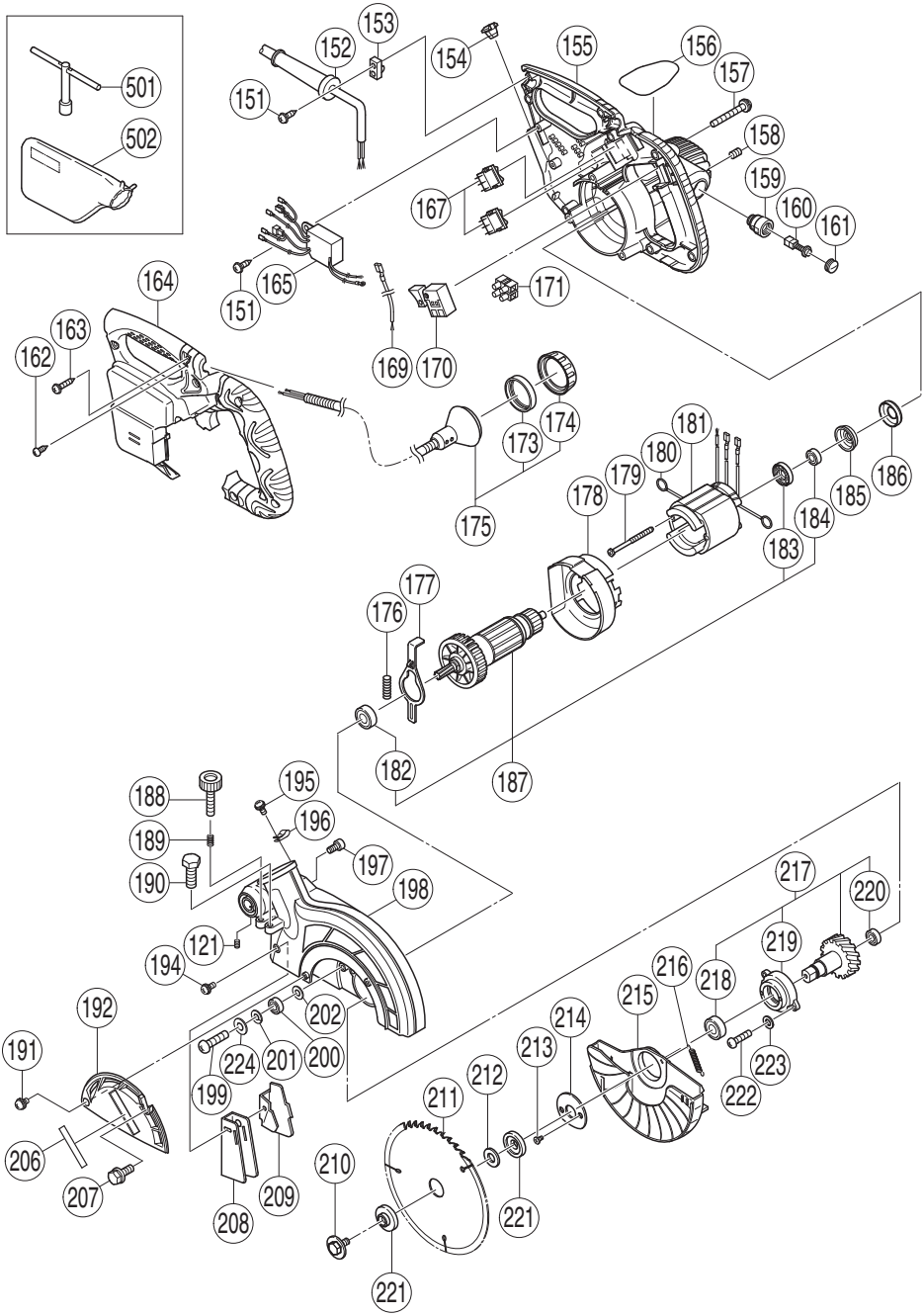
C8FSHE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项目号	零件名称	数量
1	机用螺丝 (附垫圈) M4×12	1
2	夹紧杆	1
3	螺栓 (左手) D10	1
4	专用垫圈	1
5	固定销	1
6	O 型环 (1AP-12)	1
7	机用螺丝 M4×8	5
8	螺栓垫圈 M4	6
9	回转支架轴 (A)	1
10	刻度片 (B)	1
11	内衬 (A)	1
12	弹簧	1
13	回转台组件	1
14	轴 (B)	1
15	螺栓垫圈 M12	2
16	机用螺丝 M4×12	1
17	指针	1
18	机用螺丝 M6×16	6
19	导板	2
20	垫片 (A)	1
21	轴 (A)	1
22	E 型环	1
23	侧手柄	1
24	连杆轴	1
25	连杆	1
26	弹簧 (D)	1
27	警告标签 (D)	1
28	轴 (C)	1
29	密封内六角固定螺丝 M6×6	1
30	弹簧 (E)	1
31	止动片 (A)	1
32	盖 (B)	1

项目号	零件名称	数量
33	止推垫圈	1
34	销盖	1
35	旋钮螺栓 M10×66	1
36	翼栓 M6×15	1
37	螺丝固定器	1
38	螺栓垫圈 M6	1
39	虎钳轴	1
40	虎钳板	1
41	机用螺丝 M4×10	1
42	虎钳组件	1
43	螺栓 M8×35	4
44	弹簧垫圈 M8	4
45	螺栓垫圈 M8	4
46	翼栓 M6×25	1
47	挡板 (B)	1
52	固定器	1
53	螺栓 M6×10	1
54	内衬	3
55	挡板 (A)	1
56	底座组件	1
57	底座橡胶	4
58	刻度片 (A)	1
59	警告标签 (B)	1
81	机用螺丝	2
82	螺栓垫圈 M4	6
83	盖	1
84	轴套	1
85	弹簧	1
86	密封内六角固定螺丝 M8×10	4
87	回转支架 (A) 组件	1
88	调节器	1
89	机用螺丝 M5×12	1
90	垫圈	1

项目号	零件名称	数量
91	连接片	1
92	回转支架轴 (A)	1
93	底座橡胶	1
94	O 型环 (P-6)	1
95	止动销组件	1
96	离合器螺丝	1
97	离合器弹簧	1
98	调整垫圈 (B) T0.5	1
99	板 (B)	1
100	弹簧	1
101	离合器弹簧	1
102	弹簧	2
103	密封内六角固定螺丝 M5×6	2
104	盖 (A)	1
105	板 (A)	1
106	固定器 (B)	1
107	激光标记器	1
108	机用螺丝 M4×12	3
109	警告标签 (J)	1
110	电线	1
111	机用螺丝 (附垫圈) M4×12	1
112	尼龙夹	1
113	支架	1
114	滚珠衬套	1
115	衬套	1
116	旋钮螺栓 M6×25	1
117	锁定弹簧	1
118	密封内六角固定螺丝 M6×10	1
119	机用螺丝 M4×12	1
120	指针	1
121	密封内六角固定螺丝 M6×8	2

项目号	零件名称	数量
122	自攻螺丝 (附法兰) D5×25	1
123	尼龙锁紧螺栓 (A) M8×25	2
124	固定器 (A)	1
125	下部罩组件	1
151	自攻螺丝 (附法兰) D4×16	3
152	线保护壳 D10.1	1
153	线夹	1
154	电线衬套	1
155	外罩组件	1
156	铭牌	1
157	机用螺丝 (附垫圈) M5×40	3
158	内六角固定螺丝 M5×8	2
159	刷架	2
160	碳刷	2
161	刷盖	2
162	自攻螺丝 (2 级) D4×14	1
163	自攻螺丝 (附法兰) D4×20	7
164	手柄盖	1
165	开关电源	1
167	开关 (附盖)	2
169	内部电线 (G)	1
170	开关	1
171	柱式终端 (A)	1
173	透明盖	1
174	盖	1
175	灯 (H) 组件	1
176	弹簧	1
177	锁固杆	1
178	风扇导架	1
179	六角自攻螺丝 D4×60	2
180	刷端	2

项目号	零件名称	数量
181	定子组件	1
182	滚珠轴承 608VVC2PS2L	1
183	尘封	1
184	滚珠轴承 6000VVCMPS2L	1
185	轴承衬套	1
186	橡胶衬套	1
187	电枢组件	1
188	旋钮螺栓 M6×37	1
189	锁定弹簧	1
190	尼龙锁紧螺栓 M8×25	1
191	机用螺丝 (附垫圈) M5×8	1
192	主轴盖	1
194	机用螺丝 (附垫圈) M4×12	1
195	机用螺丝 (附垫圈) M4×12	1
196	尼龙夹	1
197	密封内六角螺栓 M5×10	1
198	齿轮箱	1
199	机用螺丝 M6×25	1
200	滚珠轴承 606ZZC2PS2L	1
201	弹簧垫圈 M6	1
202	垫圈 M6	1
206	品牌标牌	1
207	螺栓 (附垫圈) M6×16	1
208	防尘导架	1
209	导架固定器	1
210	螺栓 (左手) 附垫圈 M7×17.5	1
211	TCT 锯片	1
212	圈	1
213	平头螺丝 M4×10	2
214	盖	1
215	下部罩	1

项目号	零件名称	数量
216	复位弹簧	1
217	主轴组件	1
218	滚珠轴承 6003VVCM	1
219	轴承固定器	1
220	滚珠轴承 608VVC2PS2L	1
221	垫圈 (D)	2
222	机用螺丝 M5×20	2
223	弹簧垫圈 M5	2
224	垫圈 (G)	1
501	套筒扳手 10MM	1
502	防尘袋	1
601	尼龙螺母 M6	1
602	板	1
603	副挡板	1
604	平头螺丝 M6×25	1
605	副挡板组件	1
606	冠状模塑止动片 (左) 组件	1
607	旋钮螺栓 M6×32	1
608	冠状模塑止动片固定器	1
609	冠状模塑止动片 (左)	1
610	翼栓 M6×15	1
611	虎钳 (B) 组件	1
612	旋钮螺栓 M6×11	1
613	螺丝固定器 (B)	1
614	垫圈 (H)	1
615	底座橡胶	1
616	机用螺丝 (附垫圈) M4×10	1
617	虎钳轴	1
618	旋钮螺栓 M10×54	1
619	冠状模塑虎钳组件	1
620	止动片	1
621	翼栓 M6×20	1

中文

项目号	零件名称	数量
622	冠状模塑止动片固定器	1
623	冠状模塑止动片 (右)	1
624	翼栓 M6×15	1
625	冠状模塑止动片 (右) 组件	1
626	固定器组件	1
627	固定器	2
628	翼状螺母 M6	2
629	螺母 M6	2
630	垫圈 (H)	4
631	虎钳板	2
632	高抗拉螺栓 M6×25	2
633	导架组件	1

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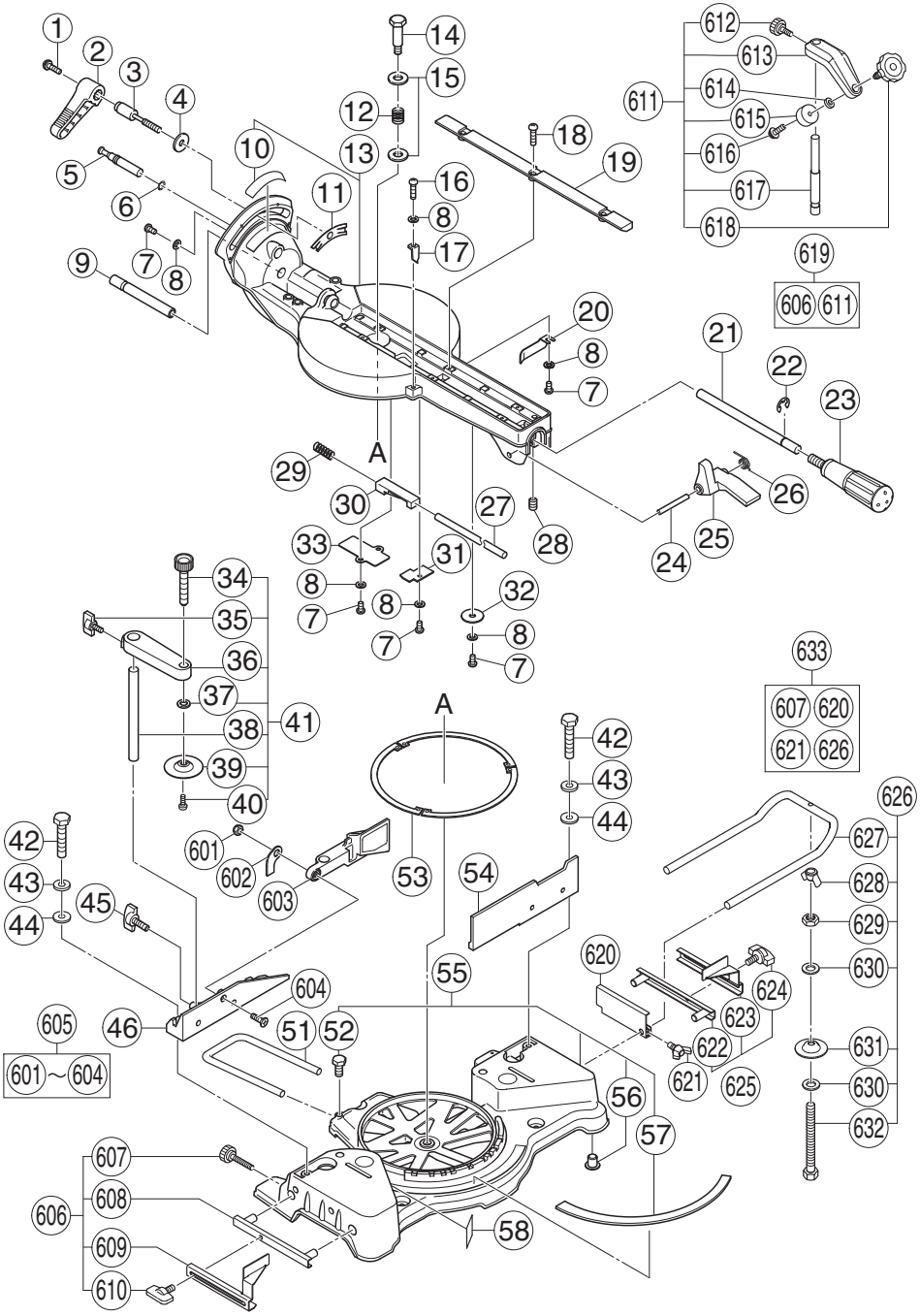
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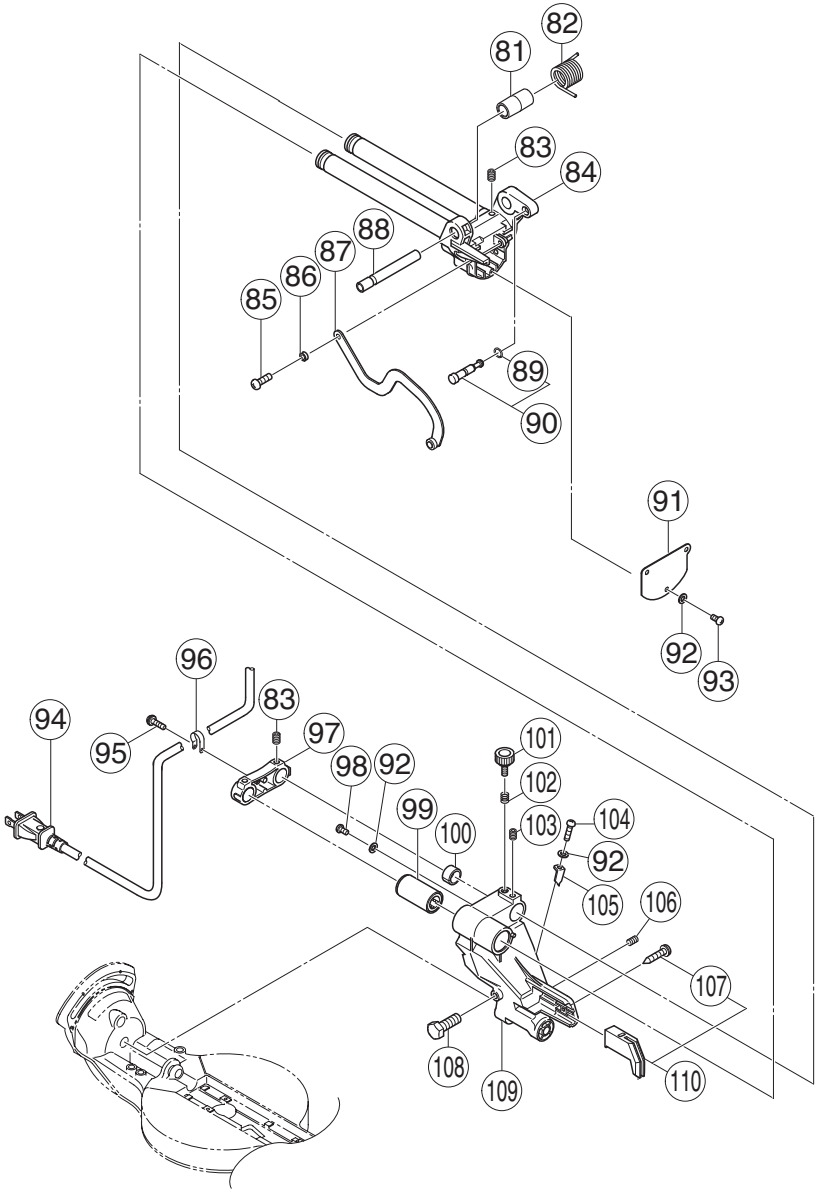
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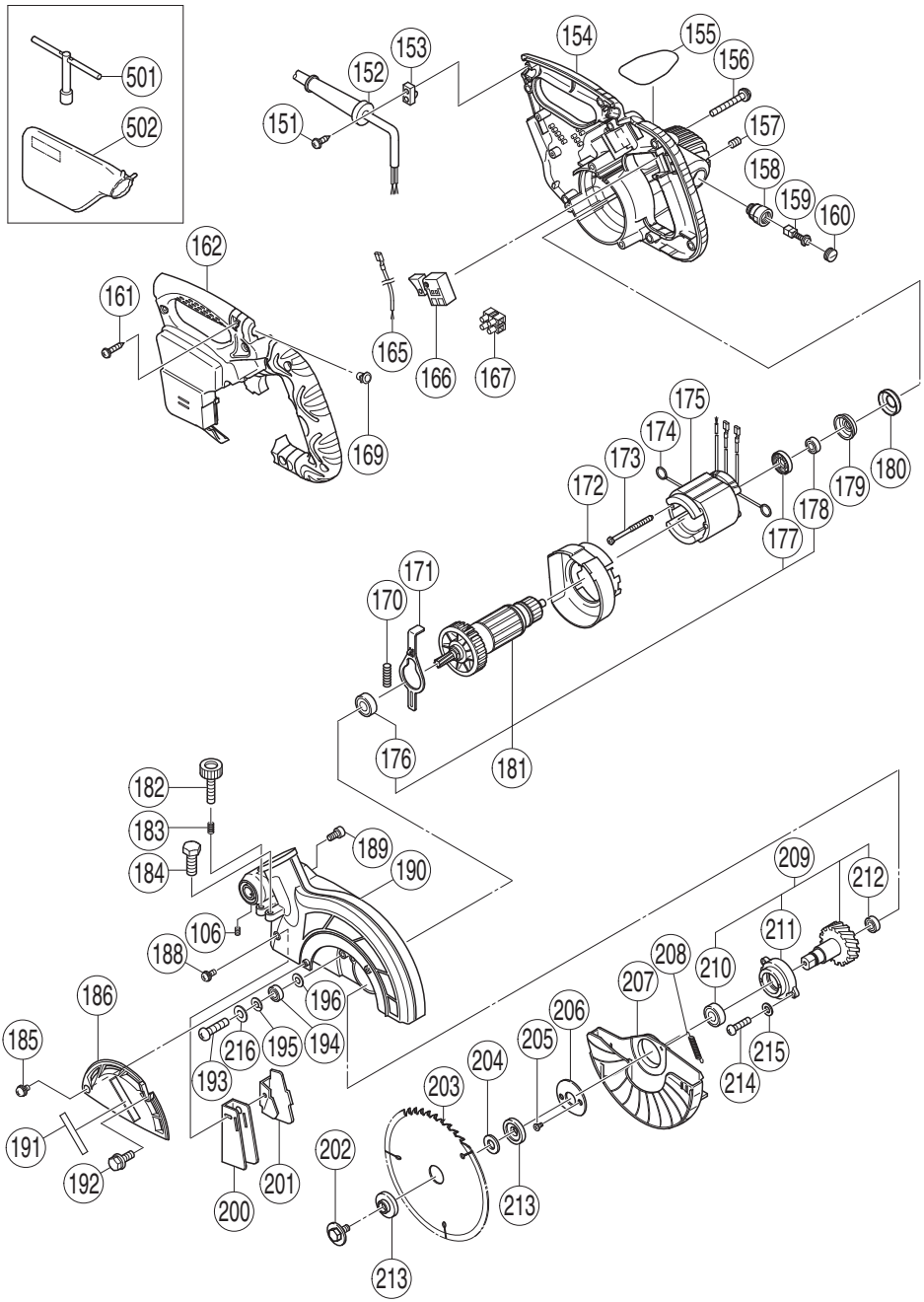
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项目号	零件名称	数量
1	机用螺丝 (附垫圈) M4×12	1
2	夹紧杆	1
3	螺栓 (左手) D10	1
4	专用垫圈	1
5	固定销	1
6	O 型环 (1AP-12)	1
7	机用螺丝 M4×8	5
8	螺栓垫圈 M4	6
9	回转支架轴 (A)	1
10	刻度片 (B)	1
11	内衬 (A)	1
12	弹簧	1
13	回转台组件	1
14	轴 (B)	1
15	螺栓垫圈 M12	2
16	机用螺丝 M4×12	1
17	指针	1
18	机用螺丝 M6×16	6
19	导板	2
20	垫片 (A)	1
21	轴 (A)	1
22	E 型环	1
23	侧手柄	1
24	连杆轴	1
25	连杆	1
26	弹簧 (D)	1
27	轴 (C)	1
28	密封内六角固定螺丝 M6×6	1
29	弹簧 (E)	1
30	止动片 (A)	1
31	盖 (B)	1
32	止推垫圈	1

项目号	零件名称	数量
33	销盖	1
34	旋钮螺栓 M10×66	1
35	翼栓 M6×15	1
36	螺丝固定器	1
37	螺栓垫圈 M6	1
38	虎钳轴	1
39	虎钳板	1
40	机用螺丝 M4×10	1
41	虎钳组件	1
42	螺栓 M8×35	4
43	弹簧垫圈 M8	4
44	螺栓垫圈 M8	4
45	翼栓 M6×25	1
46	挡板 (B)	1
51	固定器	1
52	螺栓 M6×10	1
53	内衬	3
54	挡板 (A)	1
55	底座组件	1
56	底座橡胶	4
57	刻度片 (A)	1
58	警告标签 (B)	1
81	轴套	1
82	弹簧	1
83	密封内六角固定螺丝 M8×10	4
84	回转支架 (A) 组件	1
85	机用螺丝 M5×12	1
86	垫圈	1
87	连接片	1
88	回转支架轴 (A)	1
89	O 型环 (P-6)	1
90	止动销组件	1
91	回转支架盖	1

项目号	零件名称	数量
92	螺栓垫圈 M4	5
93	机用螺丝 M4×8	3
94	电线	1
95	机用螺丝 (附垫圈) M4×12	1
96	尼龙夹	1
97	支架	1
98	机用螺丝 M4×8	1
99	滚珠衬套	1
100	衬套	1
101	旋钮螺栓 M6×25	1
102	锁定弹簧	1
103	密封内六角固定螺丝 M6×10	1
104	机用螺丝 M4×12	1
105	指针	1
106	密封内六角固定螺丝 M6×8	2
107	自攻螺丝 (附法兰) D5×25	1
108	尼龙锁紧螺栓(A) M8×25	2
109	固定器(A)	1
110	下部罩组件	1
151	自攻螺丝 (附法兰) D4×16	3
152	线保护壳 D10.1	1
153	线夹	1
154	外罩组件	1
155	铭牌	1
156	机用螺丝 (附垫圈) M5×40	3
157	内六角固定螺丝 M5×8	2
158	刷架	2
159	碳刷	2
160	刷盖	2

项目号	零件名称	数量
161	自攻螺丝 (附法兰) D4×20	7
162	手柄盖	1
165	内部电线(G)	1
166	开关	1
167	柱式终端(A)	1
169	盖	1
170	弹簧	1
171	锁固杆	1
172	风扇导架	1
173	六角自攻螺丝 D4×60	2
174	刷端	2
175	定子组件	1
176	滚珠轴承 608VVC2PS2L	1
177	尘封	1
178	滚珠轴承 6000VVCMPS2L	1
179	轴承衬套	1
180	橡胶衬套	1
181	电枢总成	1
182	旋钮螺栓 M6×37	1
183	锁定弹簧	1
184	尼龙锁紧螺栓 M8×25	1
185	机用螺丝 (附垫圈) M5×8	1
186	主轴盖	1
188	机用螺丝 (附垫圈) M4×12	1
189	密封内六角螺栓 M5×10	1
190	齿轮箱	1
191	品牌标牌	1
192	螺栓 (附垫圈) M6×16	1
193	机用螺丝 M6×25	1
194	滚珠轴承 606ZZC2PS2L	1
195	弹簧垫圈 M6	1
196	垫圈 M6	1

中文

项目号	零件名称	数量
200	防尘导架	1
201	导架固定器	1
202	螺栓 (左手) 附垫圈 M7×17.5	1
203	TCT 锯片	1
204	圈	1
205	平头螺丝 M4×10	2
206	盖	1
207	下部罩	1
208	复位弹簧	1
209	主轴组件	1
210	滚珠轴承 6003VVCM	1
211	轴承固定器	1
212	滚珠轴承 608VVC2PS2L	1
213	垫圈 (D)	2
214	机用螺丝 M5×20	2
215	弹簧垫圈 M5	2
216	垫圈 (G)	1
501	套筒扳手 10MM	1
502	防尘袋	1
601	尼龙螺母 M6	1
602	板	1
603	副挡板	1
604	平头螺丝 M6×25	1
605	副挡板组件	1
606	冠状模塑止动片 (左) 组件	1
607	旋钮螺栓 M6×32	1
608	冠状模塑止动片固定器	1
609	冠状模塑止动片 (左)	1
610	翼栓 M6×15	1
611	虎钳 (B) 组件	1
612	旋钮螺栓 M6×11	1
613	螺丝固定器 (B)	1

项目号	零件名称	数量
614	垫圈 (H)	1
615	底座橡胶	1
616	机用螺丝 (附垫圈) M4×10	1
617	虎钳轴	1
618	旋钮螺栓 M10×54	1
619	冠状模塑虎钳组件	1
620	止动片	1
621	翼栓 M6×20	1
622	冠状模塑止动片固定器	1
623	冠状模塑止动片 (右)	1
624	翼栓 M6×15	1
625	冠状模塑止动片 (右) 组件	1
626	固定器组件	1
627	固定器	2
628	翼状螺母 M6	2
629	螺母 M6	2
630	垫圈 (H)	4
631	虎钳板	2
632	高抗拉螺栓 M6×25	2
633	导架组件	1

CONTENTS

GENERAL OPERATIONAL PRECAUTIONS

WARNING!

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following.
Read all these instructions before operating this product and save these instructions.
For safe operations:

1. **Keep work area clean. Cluttered areas and benches invite injuries.**
2. **Consider work area environment. Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit.**
   Do not use power tools where there is risk to cause fire or explosion.
3. **Guard against electric shock. Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).**
4. **Keep children and infirm persons away. Do not let visitors touch the tool or extension cord. All visitors should be kept away from work area.**
5. **Store idle tools. When not in use, tools should be stored in a dry, high or locked up place, out of reach of children and infirm persons.**
6. **Do not force the tool. It will do the job better and safer at the rate for which it was intended.**
7. **Use the right tool. Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example, do not use circular saw to cut tree limbs or logs.**
8. **Dress properly. Do not wear loose clothing or jewelry, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair.**
9. **Use eye protection. Also use face or dust mask if the cutting operation is dusty.**

10. **Connect dust extraction equipment.**
    Cutting operation by this compound miter saw may produce considerable amount of dust from extraction duct on fixed guard.
    (Dust material: Wood or Aluminium)
    If devices are provided for the connection of dust extraction and collection facilities ensure these are connected and properly used.
11. **Do not abuse the cord. Never carry the tool by the cord or yank it to disconnect it from the receptacle. Keep the cord away from heat, oil and sharp edges.**
12. **Secure work. Use clamps or a vise to hold the work. It is safer than using your hand and it frees both hands to operate tool.**
13. **Do not overreach. Keep proper footing and balance at all times.**
14. **Maintain tools with care. Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cords periodically and if damaged, have it repaired by authorized service center. Inspect extension cords periodically and replace, if damaged. Keep handles dry, clean, and free from oil and grease.**
15. **Disconnect tools. When not in use, before servicing, and when changing accessories such as blades, bits and cutters.**
16. **Remove adjusting keys and wrenches. Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.**
17. **Avoid unintentional starting. Do not carry a plugged-in tool with a finger on the switch. Ensure switch is off when plugging in.**
18. **Use outdoor extension leads. When tool is used outdoors, use only extension cords intended for outdoor use.**
19. **Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired.**
20. **Check damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this handling instructions. Have defective switches replaced by an authorized service center. Do not use the tool if the switch does not turn it on and off.**
21. **Warning**
    The use of any accessory or attachment, other than those recommended in this handling instructions, may present a risk of personal injury.
22. **Have your tool repaired by a qualified person.**
    This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts. Otherwise this may result in considerable danger to the user.

PRECAUTIONS ON USING COMPOUND MITER SAW

1. Keep the floor area around the machine level. Well maintained and free of loose materials e.g. chips and cut-offs.
2. Provide adequate general or localized lighting.
3. Do not use power tools for applications other than those specified in the handling instructions.
4. Repairing must be done only by authorized service facility. Manufacturer is not responsible for any damages and injuries due to the repair by the unauthorized persons as well as the mishandling of the tool.
5. To ensure the designed operational integrity of power tools, do not remove installed covers or screws.
6. Do not touch movable parts or accessories unless the power source has been disconnected.
7. Use your tool at lower input than specified on the nameplate; otherwise, the finish may be spoiled and working efficiency reduced due to motor overload.
8. Do not wipe plastic parts with solvent. Solvents such as gasoline, thinner, benzine, carbon tetrachloride, alcohol, may damage and crack plastic parts. Do not wipe them with such solvent. Clean plastic parts with a soft cloth lightly dampened with soapy water.
9. Use only original HiKOKI replacement parts.
10. This tool should only be disassembled for replacement of carbon brushes.
11. The exploded assembly drawing on this handling instructions should be used only for authorized service facility.
12. Never cut ferrous metals or masonry.
13. Adequate general or localized lighting is provided. Stock and finished workpieces are located close to the operators normal working position.
14. Wear suitable personal protective equipment when necessary, this could include:
    Hearing protection to reduce the risk of induced hearing loss.
    Eye protection to reduce the risk of injuring an eye.
    Respiratory protection to reduce the risk of inhalation of harmful dust.
    Gloves for handling saw blades (saw blades shall be carried in a holder wherever practicable) and rough material.
15. The operator is adequately trained in the use, adjustment and operation of the machine.
16. Refrain from removing any cut-offs or other parts of the workpiece from the cutting area whilst the machine is running and the saw head is not in the rest position.
17. Never use the compound miter saw with its lower guard locked in the open position.
18. Ensure that the lower guard moves smoothly.
19. Do not use the saw without guards in position, in good working order and properly maintained.
20. Use correctly sharpened saw blades. Observe the maximum speed marked on the saw blade.
21. Do not use saw blades which are damaged or deformed.

22. **Do not use saw blades manufactured from high speed steel.**
23. **Use only saw blades recommended by HiKOKI.**
24. **The saw blades should be 216 mm external diameter.**
25. **Select the correct saw blade for the material to be cut.**
26. **Never operate the compound miter saw with the saw blade turned upward or to the side.**
27. **Ensure that the workpiece is free of foreign matter such as nails.**
28. **Replace the table insert when worn.**
29. **Do not use the saw to cut other than aluminium, wood or similar materials.**
30. **Do not use the saw to cut other materials than those recommended by the manufacturer.**
31. **Blade replacement procedure, including the method for repositioning and a warning that this must be carried out correctly.**
32. **Connect the compound miter saw to a dust collecting device when sawing wood.**
33. **Take care when slotting.**
34. **When transporting or carrying the tool, do not grasp the holder. Grasp the handle instead of the holder.**
35. **Start cutting only after motor revolution reaches maximum speed.**
36. **Promptly cut OFF the switch when abnormality observed.**
37. **Shut off power and wait for saw blade to stop before servicing or adjusting tool.**
38. **During a miter or bevel cut the blade should not be lifted until it has stopped rotation completely.**
39. **During slide cutting operation, the saw must be pushed and slided away from the operator.**
40. **Take all the possibility of residual risks in cutting operation into your consideration, such as the laser radiation to your eyes, the inadvertent access to moving parts on slide mechanical parts on machine and so on.**

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.

NAME OF PARTS

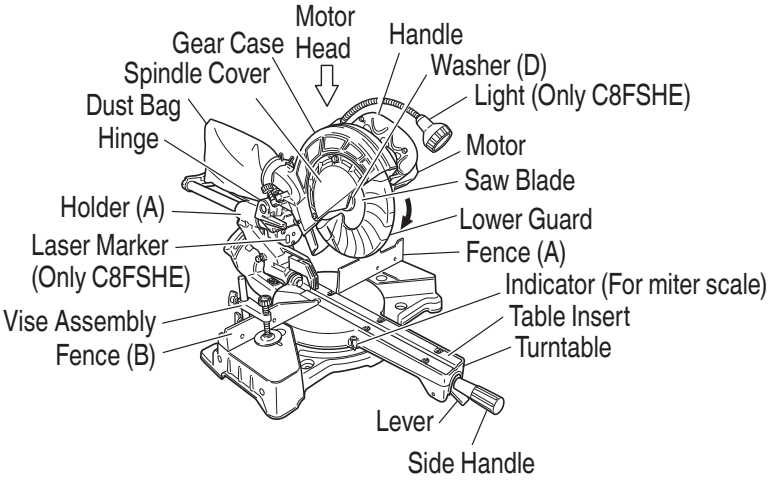


Fig. 1

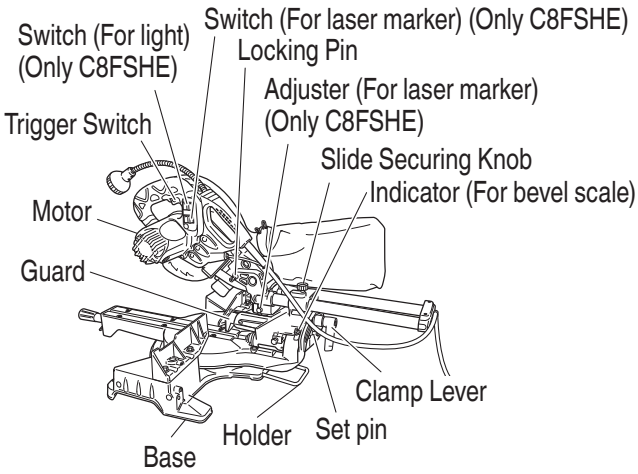


Fig. 2

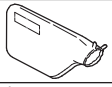
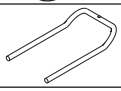
SPECIFICATIONS

Max. Cutting Capacity Height × Width	0°		65 mm × 312 mm **75 mm × 262 mm with aux. board (30 mm)
	Miter 45°		65 mm × 220 mm **75 mm × 185 mm with aux. board (20 mm)
	Bevel	Left 45°	45 mm × 312 mm **50 mm × 252 mm with aux. board (30 mm)
		Right 5°	60 mm × 312 mm **70 mm × 252 mm with aux. board (30 mm)
	Compound	Bevel (Left) 45° + Miter 45°	45 mm × 220 mm **50 mm × 170 mm with aux. board (30 mm)
		Bevel (Right) 5° + Miter 45°	60 mm × 220 mm **70 mm × 170 mm with aux. board (30 mm)
Saw Blade Dimensions (oD × iD × Thickness)			216 mm × 25.4 mm × 2 mm
Miter Cutting Angle			Right 0° – 57°, Left 0° – 45°
Bevel Cutting Angle			Right 0° – 5°, Left 0° – 48°
Compound Cutting Angle	Bevel (Left) 0° – 45°		Miter (Right and Left) 0° – 45°
	Bevel (Right) 0° – 5°		
Voltage			220V ~
Power Input			1050 W
No-Load Speed			5500 /min
Machine Dimensions (Width × Depth × Height)			555 mm × 790 mm × 485 mm
Weight (Net)			14.5 kg (C8FSHE) / 14 kg (C8FSE)
Laser Marker (Only Model C8FSHE)	Maximum output		Po<3 mW Class II Laser Product
	(lambda)		654 nm
	Laser medium		Laser Diode

When cutting the workpiece which has the dimension of "**" there might be some possibility of the lower end of the circular saw to touch with the workpiece, even if the motor head is located at the lower limit position. Pay attention when cutting the workpiece. For further details, refer to "PRACTICAL APPLICATIONS". Mount the auxiliary board on the fence surface (Refer ( ) the thickness of auxiliary board). Refer to "12. Cutting large workpieces" (**Fig. 16 on page 48**).

STANDARD ACCESSORIES

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

216 mm TCT Saw blade (mounted on tool)		1
Dust bag		1
10 mm Box wrench		1
Vise Assembly		1
Holder		1
Side handle		1

OPTIONAL ACCESSORIES (sold separately)

(1) Extension Holder and Stopper
(2) Saw blade 216 mm TCT Saw blade (Total teeth: 60)
(3) Crown molding Vise Ass'y (Include Crown molding Stopper (L))
(4) Crown molding Stopper (L)
(5) Crown molding Stopper (R)
(6) Sub Fence

APPLICATION

○ Cutting various types of aluminium sash and wood.

UNPACKING

○ Carefully unpack the power tool and all related items (standard accessories).
○ Check carefully to make certain all related items (standard accessories) are present.

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 trigger switch is in the ON position, the power tool will start operating immediately, inviting 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.
4. When the power tool is prepared for shipping, its main parts are secured by a locking pin
   Move the handle slightly so that the locking pin can be disengaged.
   During transport, lock the locking pin into the gear case (**Fig. 3**).
5. Attach the dust bag to the main unit (**Fig. 1 on page 39**)
6. Installation
   Ensure that the machine is always fixed to bench.
   Attach the power tool to a level, horizontal work bench.
   Select 8 mm diameter bolts suitable in length for the thickness of the work bench.
   Bolt length should be at least 25 mm plus the thickness of the work bench.
   For example, use 8 mm × 65 mm bolts for a 25 mm thick work bench.

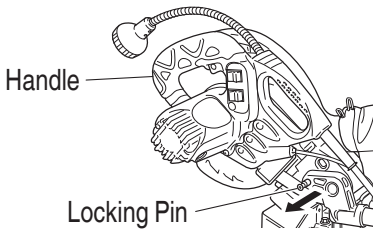


Fig. 3

ADJUSTING THE POWER TOOL PRIOR TO USE

CAUTION

Make all necessary adjustments before inserting the plug in the power source.

1. Check to see that the lower guard operates smoothly
   Lower guard is designed to protect the operator from coming into contact with the saw blade during operation of the tool (**Fig. 4**).
   Always check that the lower guard moves smoothly and covers the saw blade properly.

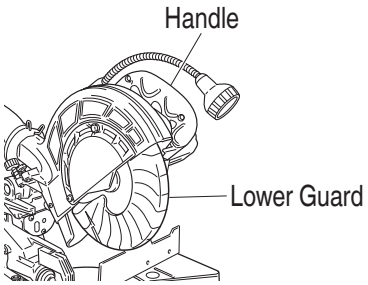


Fig. 4

WARNING

NEVER OPERATE THE POWER TOOL if the lower guard does not function smoothly.

2. Checking the saw blade lower limit position (**Fig. 5** and **Fig. 6**)
   Check that the saw blade can be lowered 10 mm to 11 mm below the table insert.
   When you replace a saw blade with a new one, adjust the lower limit position so that the saw blade will not cut the turntable or complete cutting cannot be done.

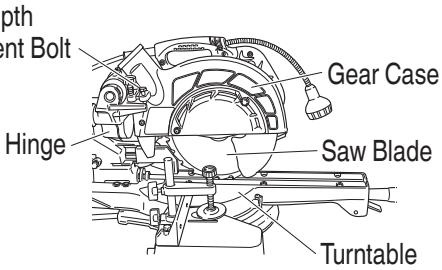


Fig. 5

To adjust the lower limit position of the saw blade, follow the procedure (1) indicated below. (**Fig. 6**)
Furthermore, when changing the position of a 8 mm depth adjustment bolt that serves as a lower limit position stopper of the saw blade.

(1) Turn the 8 mm depth adjustment bolt, change the height where the bolt head and the hinge contacts, and adjust the lower limit position of the saw blade.

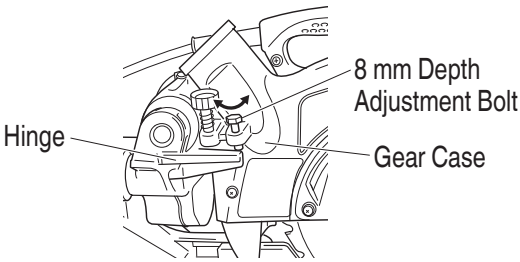


Fig. 6

NOTE

Confirm that the saw blade is adjusted so that it will not cut into the turntable.

3. Lower limit position of saw blade when cutting a large workpiece

NOTE

When cutting a workpiece exceeding 65 mm in height in right-angle cutting or 60 mm in left bevel angle cutting or 45 mm in right bevel angle cutting, adjust the lower limit position so that the base of the motor head (**Fig. 5**) will not come in contact with the workpiece.

PRACTICAL APPLICATIONS

WARNING

- **To avoid personal injury, never remove or place a workpiece on the table while the tool is being operated.**
- **Never place your limbs inside of the line next to warning sign while the tool is being operated. This may cause hazardous conditions (see Fig. 7).**

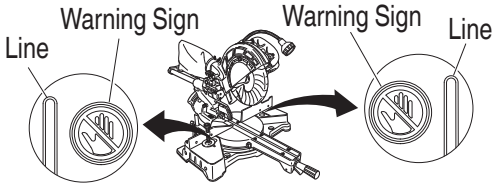


Fig. 7

CAUTION

- **It is dangerous to remove or install the workpiece while the saw blade is turning.**
- **When sawing, clean off the shavings from the turntable.**
- **If the shavings accumulate too much, the saw blade from the cutting material will be exposed. Never subject your hand or anything else to go near the exposed blade.**

1. Tightly secure the material by vise assembly to be cut so that it does not move during cutting
2. Switch operation
   Pulling the trigger turns the switch on. Releasing the trigger turns the switch off.

3. Base holder adjustment (**Fig. 8**)
Loosen the 6 mm bolt with the supplied 10 mm box wrench. Adjust the base holder until its bottom surface contacts the bench or the floor surface.
After adjustment, firmly tighten the 6 mm bolt.

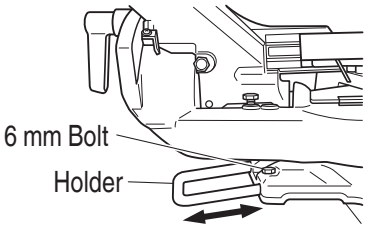


Fig. 8

4. Using the Vise Assembly (Standard accessory) (**Fig. 9**)

(1) The vise assembly can be mounted on either the left fence {Fence (B)} or the right fence {Fence (A)} by loosening the 6 mm wing bolt (A).

(2) The screw holder can be raised or lowered according to the height of the workpiece by loosening the 6 mm wing bolt (B). After the adjustment, firmly tighten the 6 mm wing bolt (B) and fix the screw holder.

(3) Turn the upper knob and securely fix the workpiece in position.

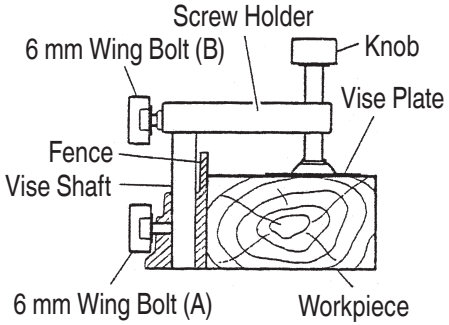


Fig. 9

WARNING

Always firmly clamp or vise to secure the workpiece to the fence; otherwise the workpiece might be thrust from the table and cause bodily harm.

CAUTION

Always confirm that the motor head does not contact the vise assembly when it is lowered for cutting. If there is any danger that it may do so, loosen the 6 mm wing bolt and move the vise assembly to a position where it will not contact the saw blade.

5. Positioning the table insert (**Fig. 1 on page 39**)
Table inserts are installed on the turntable. When shipping the tool from the factory, the table inserts are so fixed that the saw blade does not contact them. The burr of the bottom surface of the workpiece is remarkably reduced, if the table insert is fixed so that the gap between the side surface of the table insert and the saw blade will be minimum. Before using the tool, eliminate this gap in accordance with the following procedure.

(1) Right angle cutting
Loosen the three 6 mm machine screws, then secure the left side table insert and temporarily tighten the 6 mm machine screws of both ends. Then fix a workpiece (about 200 mm wide) with the vise assembly and cut it off. After aligning the cutting surface with the edge of the table insert, securely tighten the 6 mm machine screws of both ends. Remove the workpiece and securely tighten the 6 mm center machine screw. Adjust the right hand table insert in the same way.

(2) Left and right bevel angle cutting
Adjust the table insert in the manner same procedure for right angle cutting.

CAUTION

After adjusting the table insert for right angle cutting, the table insert will be cut to some extent if it is used for bevel angle cutting.
When bevel cutting operation is required, adjust the table insert for bevel angle cutting.

6. Confirmation for use of sub fence (Optional accessory)
In the case of direct angle cutting and right bevel angle cutting, use the sub fence. Then, you can do Left bevel angle cutting, Right bevel angle cutting and Direct angle cutting and realize stable cutting of the material with a wide back face.

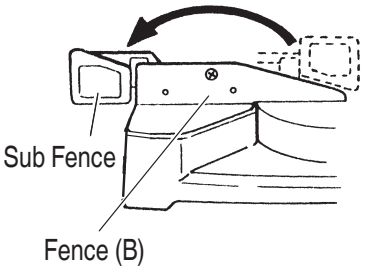


Fig. 10

WARNING

In the case of left bevel cutting, turn the sub fence counterclockwise (Fig. 10). Unless it is turned counterclockwise, the main body or saw blade may contact the sub fence, resulting in an injury.

7. Using an ink line
Upon lowering the motor section, the lower guard is raised and the saw blade appears. Align the ink line with the saw blade.

CAUTION

Never lift the lower guard while the saw blade is rotating.
The sub fence will not only make contact and adversely affect cutting accuracy, this could also result in damage to the guard.

8. Install the side handle (**Fig. 1 on page 39**)
Install the side handle that came enclosed with this unit.
9. Position adjustment of laser line (Only model C8FSHE)
Ink lining can be easily made on this tool to the laser marker. A switch lights up the laser marker (**Fig. 11**).
Depending upon your cutting choice, the laser line can be aligned with the left side of the cutting width (saw blade) or the ink line on the right side. The laser line is adjusted to the width of the saw blade at the time of factory shipment. Adjust the positions of the saw blade and the laser line taking the following steps to suit the use of your choice.

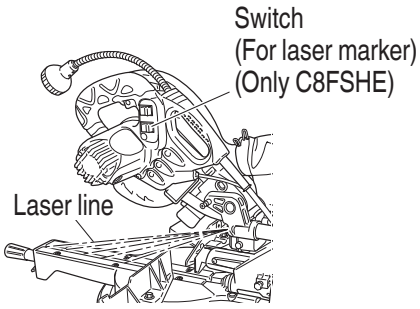


Fig. 11

(1) Light up the laser marker and make a groove of about 5 mm deep on the workpiece that is about 20 mm in height and 150 mm in width. Hold the grooved workpiece by vise as it is and do not move it. For grooving work, refer to “21. Groove cutting procedures”.

(2) Then, turn the adjuster and shift the laser line. (If you turn the adjuster clockwise, the laser line will shift to the right and if you turn it counterclockwise, the laser line will shift to the left.) When you work with the ink line aligned with the left side of the saw blade, align the laser line with the left end of the groove (**Fig. 12**). When you align it with the right side of the saw blade, align the laser line with the right side of the groove.

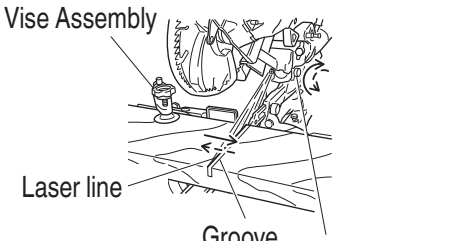


Fig. 12

(3) After adjusting the position of the laser line, draw a right-angle ink line on the workpiece and align the ink line with the laser line. When aligning the ink line, slide the workpiece little by little and secure it by vise at a position where the laser line overlaps with the ink line. Work on the grooving again and check the position of the laser line. If you wish to change the laser line's position, make adjustments again following the steps from (1) to (3).

WARNING

- **Make sure before plugging the power plug into the receptacle that the main body and the laser marker are turned off.**
- **Exercise utmost caution in handling a switch trigger for the position adjustment of the laser line, as the power plug is plugged into the receptacle during operation. If the switch trigger is pulled inadvertently, the saw blade can rotate and result in unexpected accidents.**
- **Do not remove the laser marker to be used for other purposes.**

CAUTION (Fig. 13)

Fig. 13

- **Laser radiation — Do not stare into beam.**
- **Laser radiation on work table. Do not stare into beam. If your eye is exposed directly to the laser beam, it can be hurt.**
- **Do not dismantle it.**
- **Do not give strong impact to the laser marker (main body of tool); otherwise, the position of a laser line can go out of order, resulting in the damage of the laser marker as well as a shortened service life.**
- **Keep the laser marker lit only during a cutting operation. Prolonged lighting of the laser marker can result in a shortened service life.**

○ **Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**

NOTE

○ Perform cutting by overlapping the ink line with the laser line.

○ When the ink line and the laser line are overlapped, the strength and weakness of light will change, resulting in a stable cutting operation because you can easily discern the conformity of lines. This ensures the minimum cutting errors.

○ In outdoor or near-the-window operations, it may become difficult to observe the laser line due to the sunlight. Under such circumstances, move to a place that is not directly under the sunlight and engage in the operation.

○ Do not tug on the cord behind the motor head or hook your finger, wood and the like around it; otherwise, the cord may come off and the laser marker may not be lit up.

○ Check and make sure on a periodic basis if the position of the laser line is in order. As regards the checking method, draw a right-angle ink line on the workpiece with the height of about 20 mm and the width of 89 mm, and check that the laser line is in line with the ink line [The deviation between the ink line and the laser line should be less than the ink line width (0.5 mm)] (**Fig. 14**).

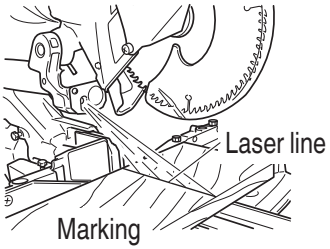


Fig. 14

10. Cutting operation

(1) As shown in **Fig. 15** the width of the saw blade is the width of the cut. Therefore, slide the workpiece to the right (viewed from the operator's position) when length ⓑ is desired, or to the left when length ⓐ is desired.
If a laser marker is used, align the laser line with the left side of the saw blade, and then align the ink line with the laser line.

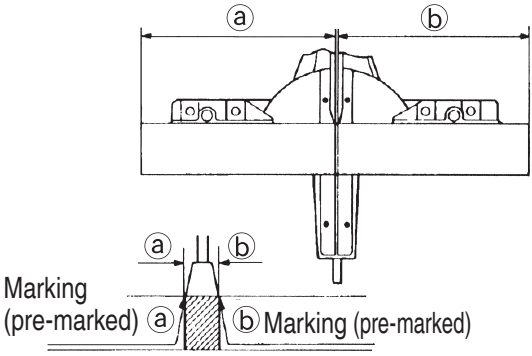


Fig. 15

(2) Once the saw blade reaches maximum speed, push the handle down carefully until the saw blade approaches the workpiece.

(3) Once the saw blade contacts the workpiece, push the handle down gradually to cut into the workpiece.

(4) After cutting the workpiece to the desired depth, turn the power tool OFF and let the saw blade stop completely before raising the handle from the workpiece to return it to the full retract position.

CAUTION

- ○ **For maximum dimensions for cutting, refer to "SPECIFICATIONS" table.**
- ○ **Increased pressure on the handle will not increase the cutting speed. On the contrary, too much pressure may result in overload of the motor and/or decreased cutting efficiency.**
- ○ **Confirm that the trigger switch is turned OFF and the power plug has been removed from the receptacle whenever the tool is not in use.**
- ○ **Always turn the power off and let the saw blade stop completely before raising the handle from the workpiece. If the handle is raised while the saw blade is still rotating, the cut-off piece may become jammed against the saw blade causing fragments to scatter about dangerously.**
- ○ **Every time one cutting of deep-cutting operation is finished, turn the switch off, and check that the saw blade has stopped. Then raise the handle, and return it to the full retract position.**
- ○ **Be absolutely sure to remove the cut material from the top of the turntable, and then proceed to the next step.**

11. Cutting narrow workpieces (Press cutting)
    Slide the hinge down to holder (A), then tighten the slide securing knob (**Fig. 2 on page 39**). Lower the handle to cut the workpiece. Using the power tool this way will permit cutting of workpieces of up to 65 mm square.
12. Cutting large workpieces
    There may be case when a complete cutting cannot be done depending on the height of workpiece. In this case, mount an auxiliary board with the 6mm flat head screws and the 6mm nuts using the 7mm holes on the fence surface (two holes on each side). (**Fig. 16**)
    Refer to "SPECIFICATIONS" for the thickness of the auxiliary board.

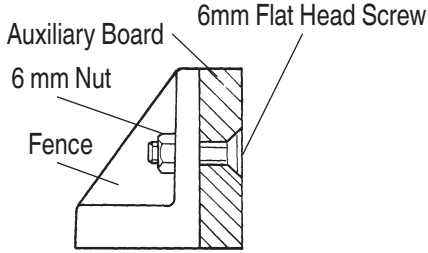


Fig. 16

13. Cutting wide workpieces (Slide cutting)
    Loosen the slide securing knob (**Fig. 2 on page 39**), grip the handle and slide the saw blade forward. Then press down on the handle and slide the saw blade back to cut the workpiece. This facilitates cutting of workpieces of up to 312 mm in width.

WARNING

Never put your hand on the side handle during the cutting operation because the saw blade comes close to the side handle when the motor head is lowered.

14. Miter cutting procedures

(1) Loosen the side handle and pull up the lever for angle stoppers. Then, adjust the turntable until the indicator aligns with desired setting on the miter scale (**Fig. 17**).

(2) Re-tighten the side handle to secure the turntable in the desired position.

(3) The miter scale indicates both the cutting angle on the angle scale and the gradient on the grade scale.

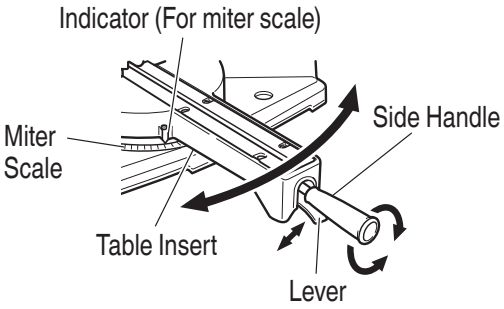


Fig. 17

(4) The gradient, which is the ratio of the height to the base of the triangular section to be removed, may be used for setting the miter scale instead of the cutting angle, if desired.

(5) Therefore, to cut a workpiece at a grade of 2/10, set the indicator to position.

NOTE

○ Positive stops are provided at the right and left of the 0° center setting, at 15°, 22.5°, 31.6° and 45° settings.
Check that the miter scale and the tip of the indicator are properly aligned.

○ Operation of the saw with the miter scale and indicator out of alignment, or with the side handle not properly tightened, will result in poor cutting precision.

15. Bevel cutting procedures (**Fig. 18**)

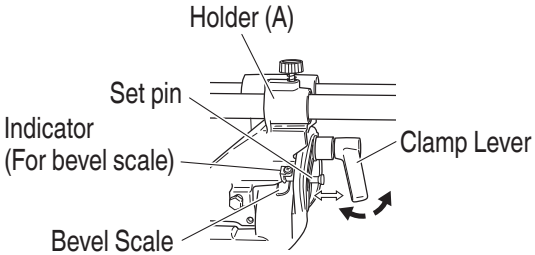


Fig. 18

CAUTION

○ **Ensure that the clamp lever is securely fixed when beveling.**

○ **Please do this if the length of the material being cut off is more than 25 mm long. Sometimes cutting cannot be accomplished because the saw blade will catch on the inside of the lower guard.**

(1) Loosen the clamp lever and bevel the saw blade to the left or to the right. When tilting the motor head to the right pull the set pin towards the rear.

NOTE

Loosen the clamp lever, tilt the main unit to the left and then pull the set pin to enable 48-degree cuts.
Loosen the clamp lever and slant to the left a little at a time while pushing the set pin into the main unit. At this time, the set pin will enter one step and fit into the 30° left slant and 33.9° left slant setting slots.
With the set pin in the slot as described above, setting to the 30° left slant position is possible by pushing to the right side.
Also, with the set pin in the slot as described above, setting to the 33.9° left slant position is possible by pushing to the left side.

(2) Adjust the bevel angle to the desired setting while watching the bevel angle scale and indicator, then secure the clamp lever.

WARNING

○ **When the workpiece is secured on the left or right side of the blade, the short cut-off portion will come to rest on the right or left side of the saw blade. Always turn the power off and let the saw blade stop completely before raising the handle from the workpiece.**
If the handle is raised while the saw blade is still rotating, the cut-off piece may become jammed against the saw blade causing fragments to scatter about dangerously.

○ **When stopping the bevel cutting operation halfway, start cutting after pulling back the motor head to the initial position.**
Starting from halfway, without pulling back, causes the lower guard to be caught in the cutting groove of the workpiece and to contact the saw blade.

16. Compound cutting procedures
Compound cutting can be performed by following the instructions in 13 and 14 above. For maximum dimensions for compound cutting, refer to “SPECIFICATIONS” table.

CAUTION

Always secure the workpiece with the right or left hand and cut it by sliding the round portion of the saw backwards with the left hand.
It is very dangerous to rotate the turntable to the left during compound cutting because the saw blade may come into contact with the hand that is securing the workpiece.
In case of compound cutting (angle + bevel) by left bevel, turn the sub-fence (optional accessory) counterclockwise, and engage in the cutting operation.

17. Cutting long materials
When cutting long materials, use an auxiliary platform which is the same height as the holder (optional accessory) and base of the special auxiliary equipment.
Capacity: wooden material (W × H × L)
300 mm × 45 mm × 1050 mm, or
180 mm × 25 mm × 1600 mm

18. Installing the holders (Optional accessory)
The holders help keep longer workpieces stable and in place during the cutting operation.

(1) As indicated in **Fig. 19**, use a steel square for aligning the upper edge of the holders with the base surface. Loosen the 6 mm wing nut. Turn a height adjustment bolt 6 mm, and adjust the height of the holder.

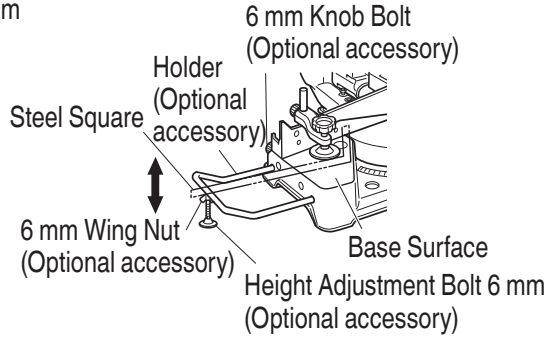


Fig. 19

(2) After adjustment, firmly tighten the wing nut and fasten the holder with the 6 mm knob bolt (optional accessory). If the length of Height Adjustment Bolt 6 mm is insufficient, spread a thin plate beneath. Make sure the end of Height Adjustment Bolt 6 mm does not protrude from the holder.

CAUTION

- ○ **When transporting or carrying the tool, do not grasp the holder.**
- ○ **There is the danger of the holder slipping out of the base. Grasp the handle instead of the holder.**

19. Stopper for precision cutting (Stopper and holder are optional accessory)
The stopper facilitates continuous precision cutting in lengths of 280 mm to 450 mm. To install the stopper, attach it to the holder with the 6 mm knob bolt as shown in **Fig. 20**.

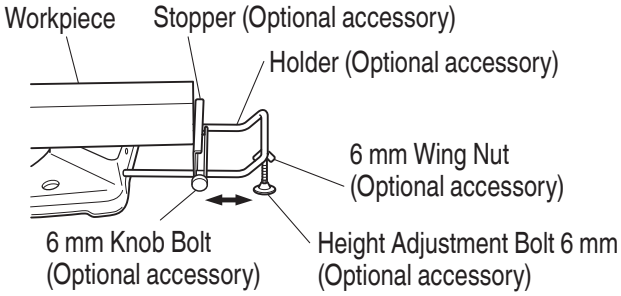


Fig. 20

20. Confirmation for use Crown molding vise, Crown molding Stopper (L) and (R) (Optional accessory)

(1) Crown molding Stopper (L) and (R) (optional accessories) allow easier cuts of crown molding without tilting the saw blade. Install them in the base both-sides side to be shown in **Fig. 21**. After inserting tighten the 6 mm knob bolts to secure the Crown molding Stoppers.

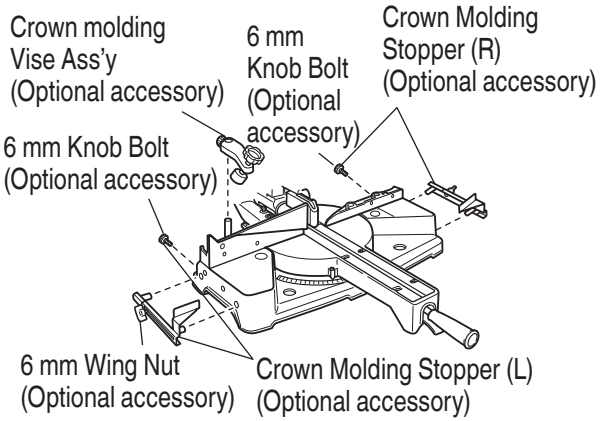


Fig. 21

(2) The crown molding vise (B) (Optional accessory) can be mounted on either the left fence (Fence (B)) or the right fence (Fence (A)). It can unite with the slope of the crown molding and vice can be pressed down.
Then turn the upper knob, as necessary, to securely attach the crown molding in position. To raise or lower the vise assembly, first loosen the 6 mm wing bolt.
After adjusting the height, firmly tighten the 6 mm wing bolt; then turn the upper knob, as necessary, to securely attach the crown molding in position (See **Fig. 22**).

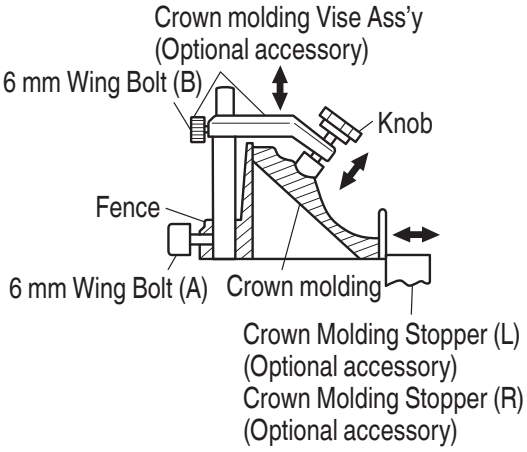


Fig. 22

Position crown molding with its WALL CONTACT EDGE against the guide fence and its CEILING CONTACT EDGE against the Crown molding Stoppers as shown in **Fig. 22**.
Adjust the Crown molding Stoppers according to the size of the crown molding.
Tighten the 6 mm wing bolt to secure the Crown molding Stoppers.

WARNING

Always firmly clamp or vise to secure the crown molding to the fence; otherwise the crown molding might be thrust from the table and cause bodily harm.
Do not bevel cutting. The main body or saw blade may contact the sub fence, resulting in an injury.

CAUTION

Always confirm that the motor head (Fig. 1 on page 39) does not contact the crown molding vise ass'y when it is lowered for cutting. If there is any danger that it may do so, loosen the 6mm knob bolt and move the crown molding vise ass'y to a position where it will not contact the saw blade.

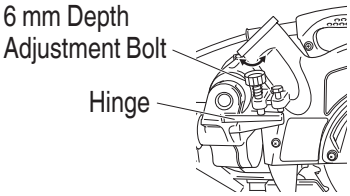


Fig. 23

21. Groove cutting procedures
Grooves in the workpiece can be cut by adjusting the 6 mm depth adjustment bolt (**Fig. 23**).
(1) Lower the motor head, and turn the 6 mm depth adjustment bolt by hand. (Where the head of the 6 mm depth adjustment bolt contacts the hinge.)
(2) Adjust to the desired cutting depth by setting the distance between the saw blade and the surface of the base. (**Fig. 24**)

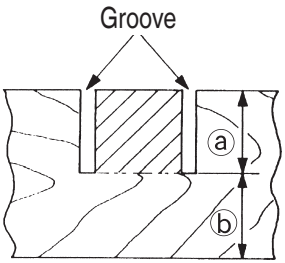


Fig. 24

NOTE

When cutting a single groove at either end of the workpiece, remove the unneeded portion with a chisel.

22. Using the Light (Only Model C8FSHE)

WARNING

- **Check to ascertain that the main unit and light are off before plugging the cord into the power socket.**
- **The light lens reaches high temperatures during and immediately after use and should not be touched under any circumstances.**
  Failure to observe this may result in burns.

CAUTION

- **Do not subject the light to strong impact.**
  Failure to observe this may result in damage to the light or a reduced life span.
- **Only switch the light on when cutting.**
- **Do not shine the light continuously into the eyes.**
  Failure to observe this may result in damage to the eyes.
- **Wipe all dirt that adheres to the light lens with a soft cloth gently so that the light is not scratched or damaged.**
  Scratches on the light lens may result in less luminance.
- **The light switch is fitted with an anti-dust cover. Make sure that the switch cover is not scratched or otherwise damaged.**
- **There are cases in which shavings may enter the switch and prevent the light from functioning.**

(1) Insert the plug on the main unit into a power socket.
(2) Set the light switch into the upper position (ON) to light it, and into the lower position (OFF) to switch it off. (See **Fig. 25**)
(3) Move the light fitting to the right and left to adjust the lighting position.

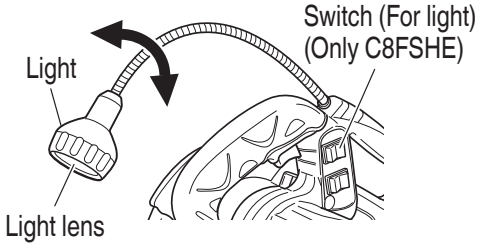


Fig. 25

MOUNTING AND DISMOUNTING SAW BLADE

WARNING

To prevent an accident or personal injury, always turn off the trigger switch and disconnect the power plug from the receptacle before removing or installing a blade.

1. Mounting the saw blade (**Fig. 26**, **Fig. 27** and **Fig. 28**)

(1) Use the accessory 10 mm box wrench to loosen the 6 mm bolt fastening the spindle cover and then rotate the spindle cover.

(2) Press in spindle lock and loosen bolt with 10 mm box wrench.
Since the bolt is left-hand threaded, loosen by turning it to the right.

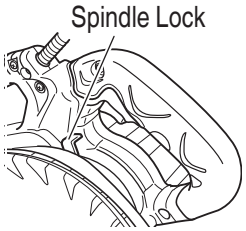


Fig. 26

NOTE

If the spindle lock cannot be easily pressed in to lock the spindle, turn the bolt with 10 mm box wrench while applying pressure on the spindle lock.
The saw blade spindle is locked when the spindle lock is pressed inward.

(3) Remove the bolt and washer (D).

(4) Lift the lower guard and mount the saw blade.

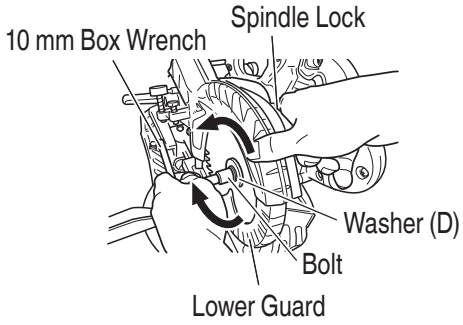


Fig. 27

WARNING

When mounting the saw blade, confirm that the rotation indicator mark on the saw blade and the rotation direction of the gear case are properly matched.

(5) Thoroughly clean washer (D) and the bolt, and install them onto the saw blade spindle.

(6) Press in the spindle lock and tighten the bolt by turning it to the left by 10 mm box wrench.

(7) Rotate the spindle cover unitl hook in spindle cover is in the original position. Then tighten the 6mm bolt.

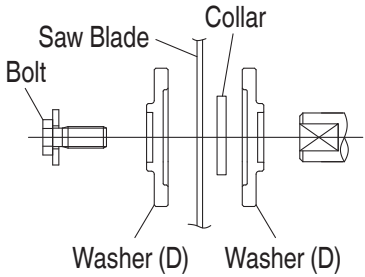


Fig. 28

CAUTION

- ○ **Confirm that the spindle lock has returned to the retract position after installing or removing the saw blade.**
- ○ **Tighten the bolt so it does not come loose during operation.**
- ○ **Confirm that the bolt has been properly tightened before the power tool is started.**
- ○ **Confirm that the lower guard has closed position.**

2. Dismounting the saw blade
Dismount the saw blade by reversing the mounting procedures described in paragraph 1 above.
The saw blade can easily be removed after lifting the lower guard.

CAUTION

Never attempt to install saw blades except 216 mm in diameter.

MAINTENANCE AND INSPECTION

WARNING

To avoid an accident or personal injury, always confirm the trigger switch is turned OFF and that the power plug has been disconnected from the receptacle before performing any maintenance or inspection of this tool.
Report to qualified person as soon as possible, if you discover the fault of machine including guards or blade saw.

1. Inspecting the saw blade
   Always replace the saw blade immediately upon the first sign of deterioration or damage. A damaged saw blade can cause personal injury and a worn saw blade can cause ineffective operation and possible overload to the motor.

CAUTION

Never use a dull saw blade. When a saw blade is dull, its resistance to the hand pressure applied by the tool handle tends to increase, making it unsafe to operate the power tool.

2. Inspecting the mounting screws
   Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, re-tighten them immediately. Failure to do so could result in serious hazard.
3. Inspecting the carbon brushes (**Fig. 29**)
   The motor employs carbon brushes which are consumable parts. Since an excessively worn carbon brush can result in motor trouble, replace the carbon brushes with new ones having the same carbon brush No. shown in the figure when it becomes worn to or near the “wear limit”. In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

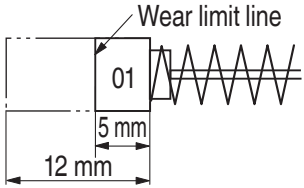


Fig. 29

4. Replacing a carbon brushes
   Disassemble the brush cap with a slotted-head screwdriver. The carbon brushes can then be easily removed.
5. 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.
6. Inspecting the lower guard for proper operation
   Before each use of the tool, test the lower guard (see **Fig. 4 on page 42**) to assure that it is in good condition and that it moves smoothly.
   Never use the tool unless the lower guard operates properly and it is in good mechanical condition.

7. Storage
   After operation of the tool has been completed, check that the following has been performed:
(1) Trigger switch is in OFF position.
(2) Power plug has been removed from the receptacle.
   When the tool is not in use, keep it stored in a dry place out of the reach of children.
8. Lubrication
   Lubricate the following sliding surfaces once a month to keep the power tool in good operating condition for a long time.
   Use of machine oil is recommended.
   Oil supply points:
   * Rotary portion of hinge
   * Rotary portion of holder (A)
   * Rotary portion of vise assembly
9. Cleaning
   Periodically remove chips and other waste material from the surface of the power tool with a damp, soapy cloth. To avoid a malfunction of the motor, protect it from contact with oil or water.

(Only model C8FSHE)

   If the laser line becomes invisible due to chips and the like adhered onto the window of the laser marker's light-emitting section, wipe and clean the window with a dry cloth or a soft cloth moistened with soapy water, etc.

10. Service parts list

CAUTION

Repair, modification and inspection of HiKOKI Power Tools must be carried out by a HiKOKI Authorized Service Center.
Especially laser device should be maintained by the authorised agent by laser manufacturer.
Always assign the repair of laser device to HiKOKI Authorised 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

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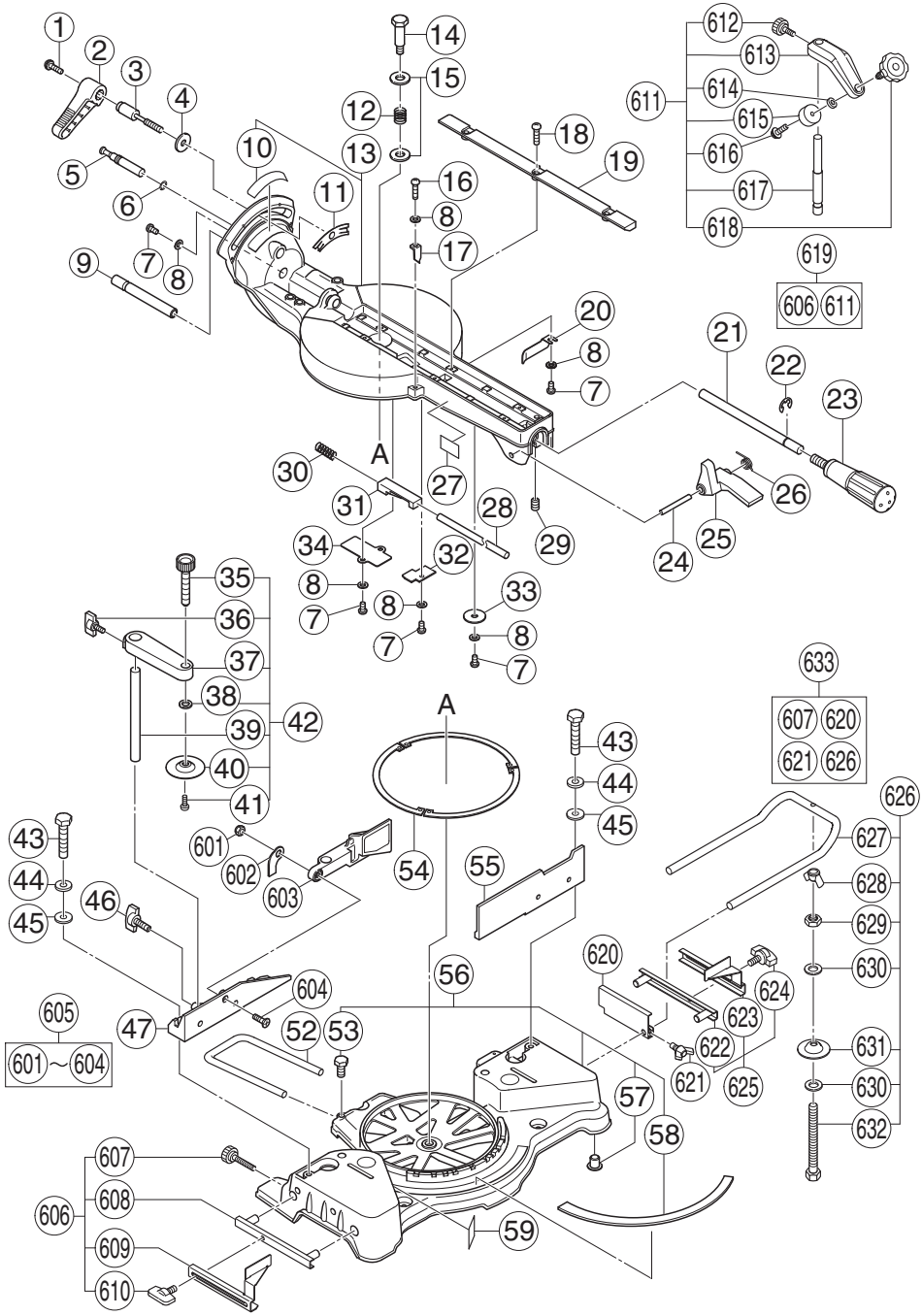

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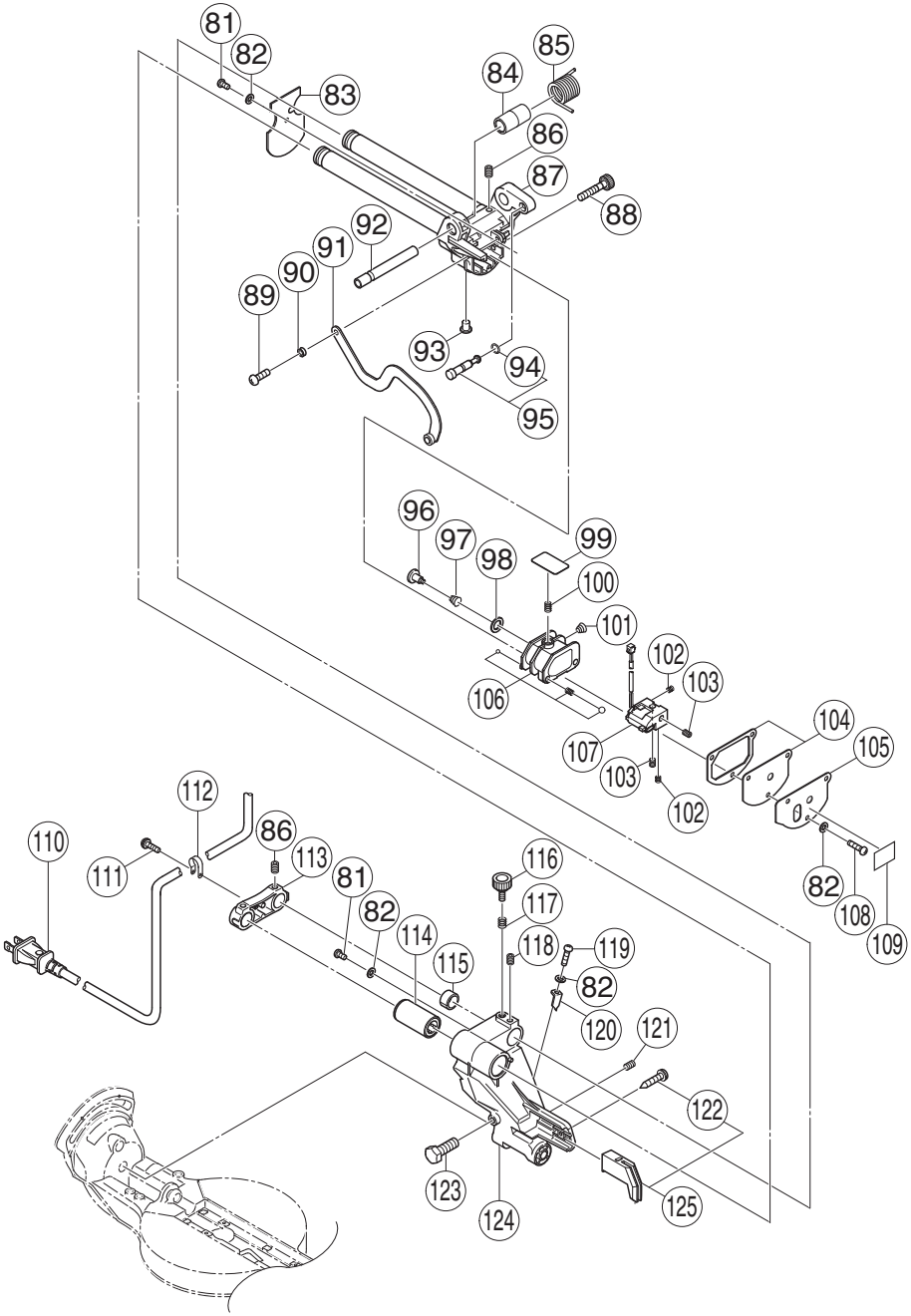
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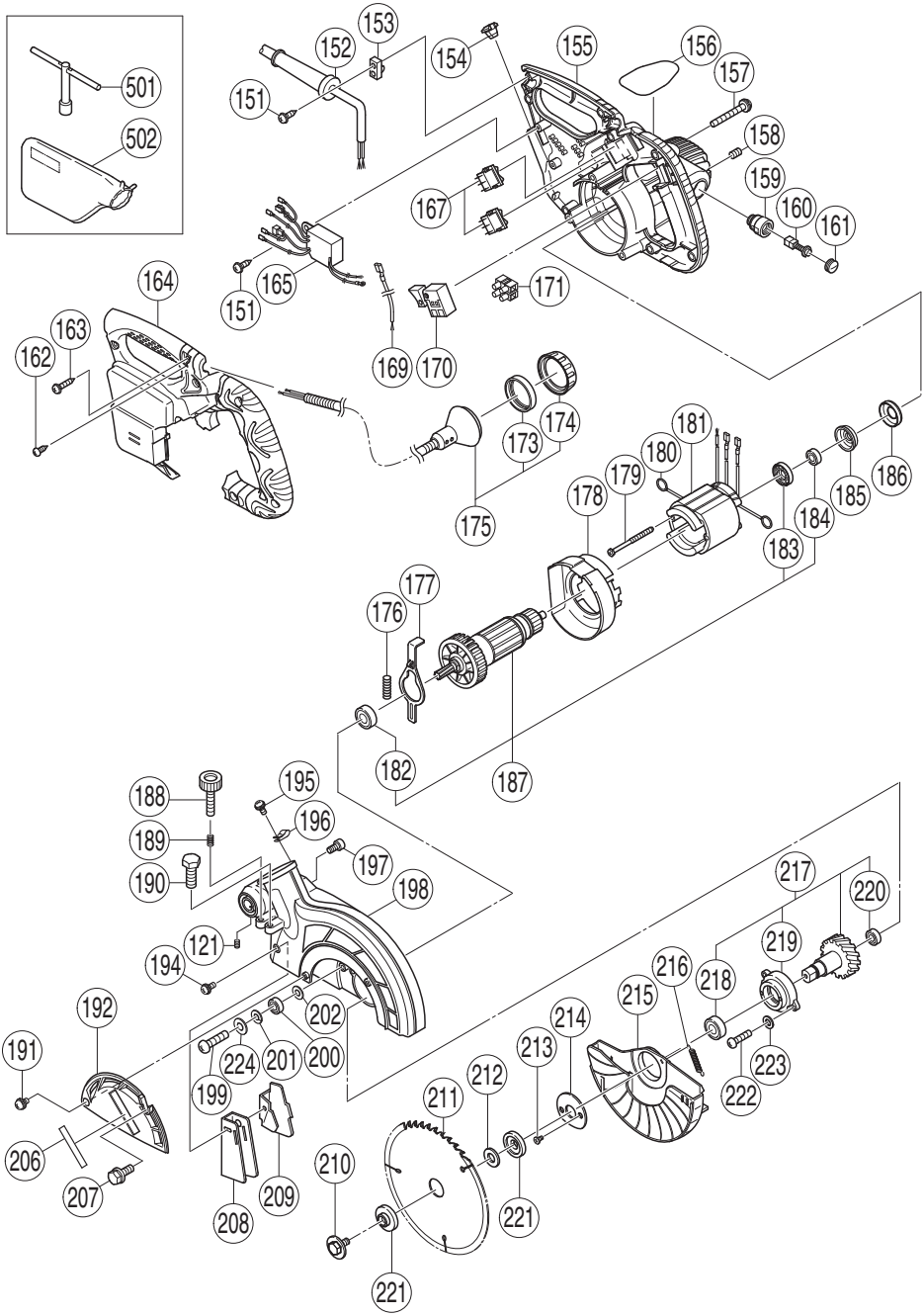
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Item No.	Part Name	Q'TY
1	MACHINE SCREW (W/WASHERS) M4×12	1
2	CLAMP LEVER	1
3	BOLT (LEFT HAND) D10	1
4	SPECIAL WASHER	1
5	SET PIN	1
6	O-RING (1AP-12)	1
7	MACHINE SCREW M4×8	5
8	BOLT WASHER M4	6
9	HINGE SHAFT (A)	1
10	SCALE (B)	1
11	LINER (A)	1
12	SPRING	1
13	TURN TABLE ASS'Y	1
14	SHAFT (B)	1
15	BOLT WASHER M12	2
16	MACHINE SCREW M4×12	1
17	INDICATOR	1
18	MACHINE SCREW M6×16	6
19	TABLE INSERT	2
20	SPACER (A)	1
21	SHAFT (A)	1
22	E-RING	1
23	SIDE HANDLE	1
24	LEVER SHAFT	1
25	LEVER	1
26	SPRING (D)	1
27	CAUTION LABEL (D)	1
28	SHAFT (C)	1
29	SEAL LOCK HEX. SOCKET SET SCREW M6×6	1
30	SPRING (E)	1
31	STOPPER (A)	1
32	COVER (B)	1
33	THRUST WASHER	1
34	PIN COVER	1
35	KNOB BOLT M10×66	1
36	WING BOLT M6×15	1

Item No.	Part Name	Q'TY
37	SCREW HOLDER	1
38	BOLT WASHER M6	1
39	VISE SHAFT	1
40	VISE PLATE	1
41	MACHINE SCREW M4×10	1
42	VISE ASS'Y	1
43	BOLT M8×35	4
44	SPRING WASHER M8	4
45	BOLT WASHER M8	4
46	WING BOLT M6×25	1
47	FENCE (B)	1
52	HOLDER	1
53	BOLT M6×10	1
54	LINER	3
55	FENCE (A)	1
56	BASE ASS'Y	1
57	BASE RUBBER	4
58	SCALE (A)	1
59	CAUTION LABEL (B)	1
81	MACHINE SCREW	2
82	BOLT WASHER M4	6
83	COVER	1
84	SLEEVE	1
85	SPRING	1
86	SEAL LOCK HEX. SOCKET SET. SCREW M8×10	4
87	HINGE (A) ASS'Y	1
88	ADJUSTER	1
89	MACHINE SCREW M5×12	1
90	SPACE	1
91	LINK	1
92	HINGE SHAFT (A)	1
93	BASE RUBBER	1
94	O-RING (P-6)	1
95	STOPPER PIN ASS'Y	1
96	CLUTCH SCREW	1
97	CLUTCH SPRING	1

Item No.	Part Name	Q'TY
98	ADJUSTING WASHER (B) T0.5	1
99	PLATE (B)	1
100	SPRING	1
101	CLUTCH SPRING	1
102	SPRING	2
103	SEAL LOCK HEX. SOCKET SET SCREW M5×6	2
104	COVER (A)	1
105	PLATE (A)	1
106	HOLDER (B)	1
107	LASER MARKET	1
108	MACHINE SCREW M4×12	3
109	CAUTION LABEL (J)	1
110	CORD	1
111	MACHINE SCREW (W/WASHERS) M4×12	1
112	NYLON CLIP	1
113	SUPPORT	1
114	BALL BUSHING	1
115	BUSHINGH	1
116	KNOB BOLT M6×25	1
117	LOCK SPRING	1
118	SEAL LOCK HEX. SOCKET SET SCREW M6×10	1
119	MACHINE SCREW M4×12	1
120	INDICATOR	1
121	SEAL LOCK HEX. SOCKET SET SCREW M6×8	2
122	TAPPING SCREW (W/FLABGE) D5×25	1
123	NYLOCK BOLT (A) M8×25	2
124	HOLDER (A)	1
125	GUARD ASS'Y	1
151	TAPPING SCREW (W/FLANGE) D4×16	3
152	CORD ARMOR D10.1	1
153	CORD CLIP	1
154	CORD BUSH	1

Item No.	Part Name	Q'TY
155	HOUSING ASS'Y	1
156	NAME PLATE	1
157	MACHINE SCREW (W/WASHERS) M5×40	3
158	HEX. SOCKET SET SCREW M5×8	2
159	BRUSH HOLDER	2
160	CARBON BRUSH	2
161	BRUSH CAP	2
162	TAPPING SCREW (CLASS 2) D4×14	1
163	TAPPING SCREW (W/FLANGE) D4×20	7
164	HANDLE COVER	1
165	SWITCHING POWER SUPPLY	1
167	SWITCH (W/COVER)	2
169	INTERNAL WIRE (G)	1
170	SWITCH	1
171	PILLAR TERMINAL (A)	1
173	CLEAR COVER	1
174	CAP	1
175	LIGHT (H) ASS'Y	1
176	SPRING	1
177	LOCK LEVER	1
178	FAN GUIDE	1
179	HEX. HD. TAPPING SCREW D4×60	2
180	BRUSH TERMINAL	2
181	STATOR ASS'Y	1
182	BALL BEARING 608VVC2PS2L	1
183	DUST SEAL	1
184	BALL BEARING 6000VVCMPS2L	1
185	BEARING BUSHING	1
186	RUBBER BUSHING	1
187	ARMATURE ASS'Y	1
188	KNOB BOLT M6×37	1

Item No.	Part Name	Q'TY
189	LOCK SPRING	1
190	NYLOCK BOLT M8×25	1
191	MACHINE SCREW (W/WASHERS) M5×8	1
192	SPINDLE COVER	1
194	MACHINE SCREW (W/WASHERS) M4×12	1
195	MACHINE SCREW (W/WASHERS) M4×12	1
196	NYLON CLIP	1
197	SEAL LOCK HEX. SOCKET HD. BOLT M5×10	1
198	GEAR CASE	1
199	MACHINE SCREW M6×25	1
200	BALL BEARING 606ZZC2PS2L	1
201	SPRING WASHER M6	1
202	WASHER M6	1
206	BRAND PLATE	1
207	BOLT (W/WASHER) M6×16	1
208	DUST GUIDE	1
209	GUIDE HOLDER	1
210	BOLT (LEFT HAND) W/WASHER M7×17.5	1
211	TCT SAW BLADE	1
212	COLLAR	1
213	FLAT HD. SCREW M4×10	2
214	COVER	1
215	LOWER GUARD	1
216	RETURN SPRING	1
217	SPINDLE ASS'Y	1
218	BALL BEARING 6003VVCM	1
219	BEARING HOLDER	1
220	BALL BEARING 608VVC2PS2L	1
221	WASHER (D)	2
222	MACHINE SCREW M5×20	2
223	SPRING WASHER M5	2
224	WASHER (G)	1

Item No.	Part Name	Q'TY
501	BOX WRENCH 10MM	1
502	DUST BAG	1
601	NYLON NUT M6	1
602	PLATE	1
603	SUB FENCE	1
604	FLAT SCREW M6×25	1
605	SUB FENCE ASS'Y	1
606	CROWN MOLDING STOPPER (L) ASS'Y	1
607	KNOB BOLT M6×32	1
608	CROWN MOLDING STOPPER HOLDER	1
609	CROWN MOLDING STOPPER (L)	1
610	WING BOLT M6×15	1
611	VISE (B) ASS'Y	1
612	KNOB BOLT M6×11	1
613	SCREW HOLDER (B)	1
614	WASHER (H)	1
615	BASE RUBBER	1
616	MACHINE SCREW (W/WASHERS) M4×10	1
617	VISE SHAFT	1
618	KNOB BOLT M10×54	1
619	CROWN MOLDING VISE ASS'Y	1
620	STOPPER	1
621	WING BOLT M6×20	1
622	CROWN MOLDING STOPPER HOLDER	1
623	CROWN MOLDING STOPPER (R)	1
624	WING BOLT M6×15	1
625	CROWN MOLDING STOPPER (R) ASS'Y	1
626	HOLDER ASS'Y	1
627	HOLDER	2
628	WING NUT M6	2
629	NUT M6	2

Item No.	Part Name	Q'TY
630	WASHER (H)	4
631	VISE PLATE	2
632	HIGH TENSION BOLT M6×25	2
633	GUIDE ASS'Y	1

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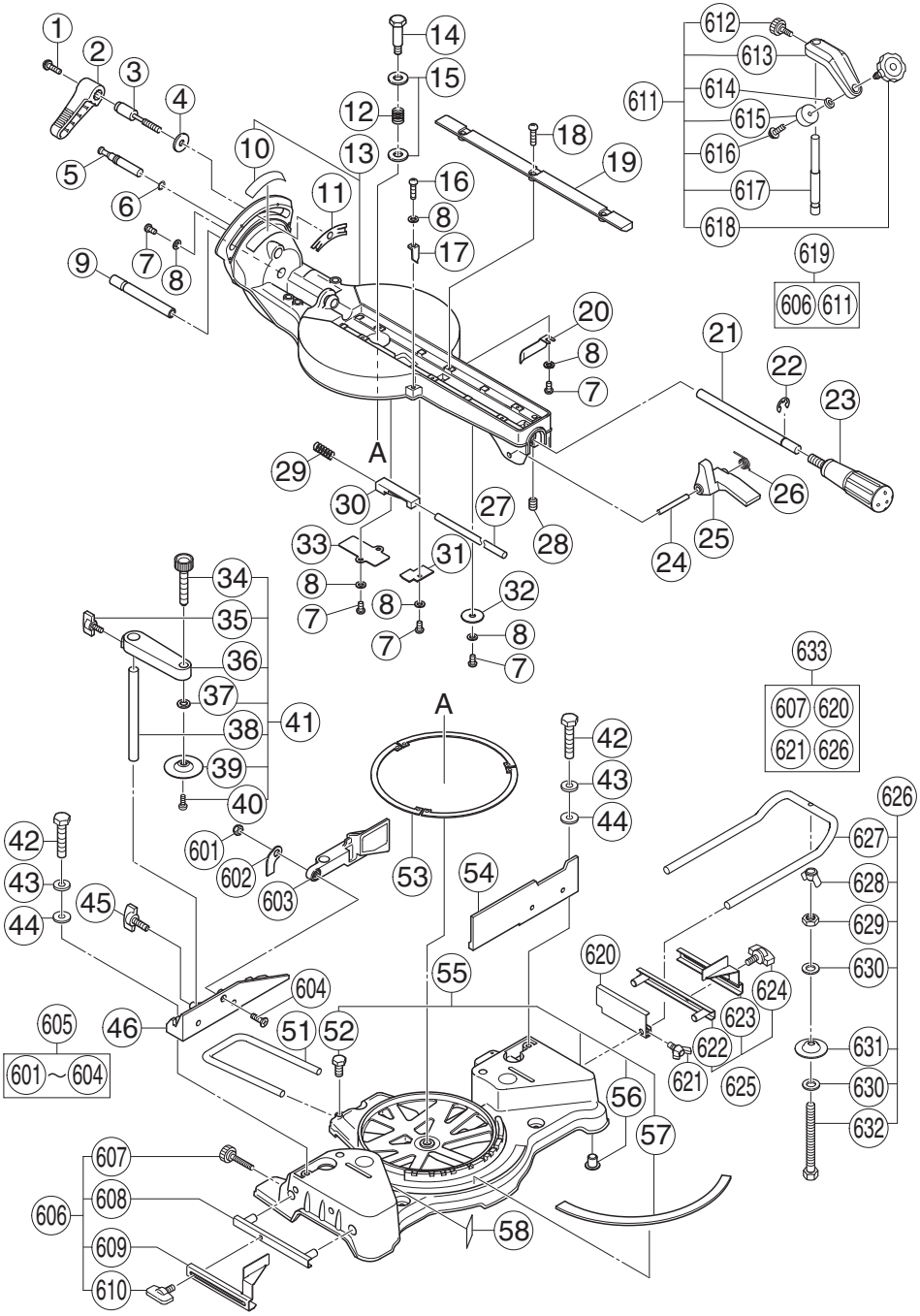
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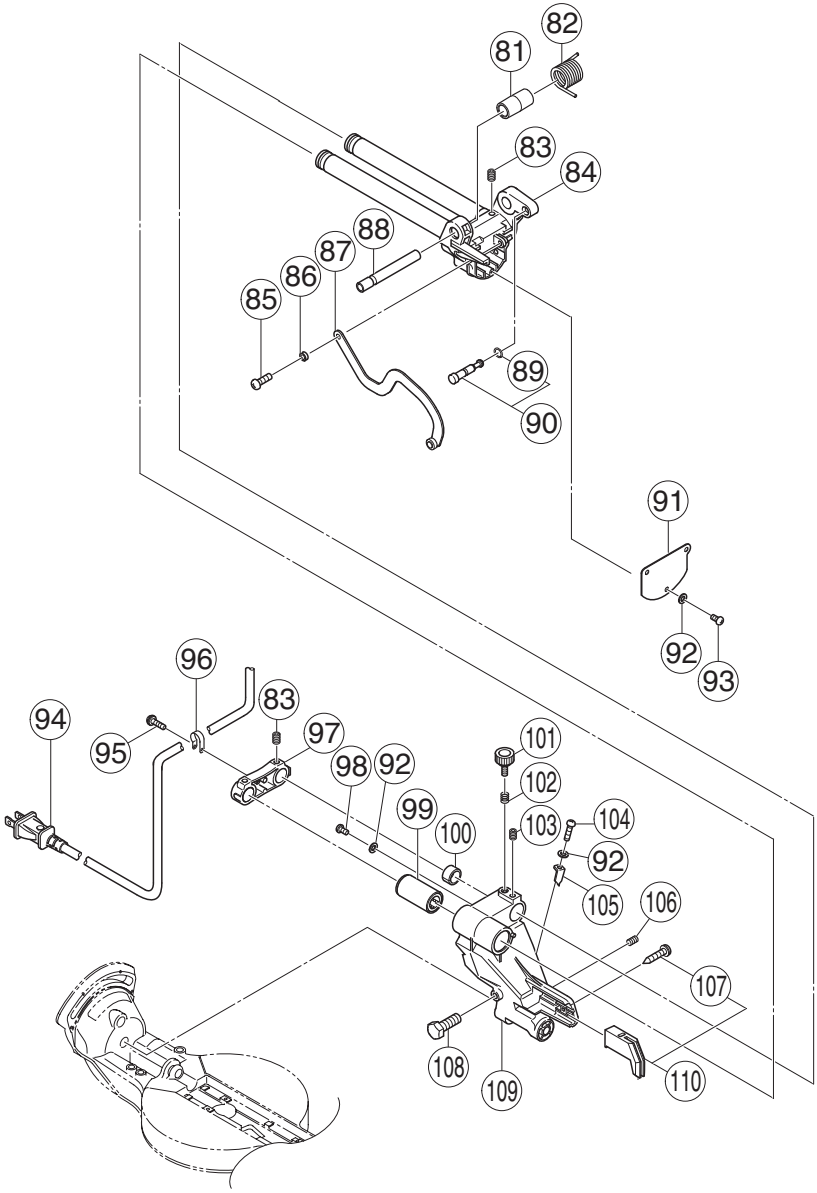
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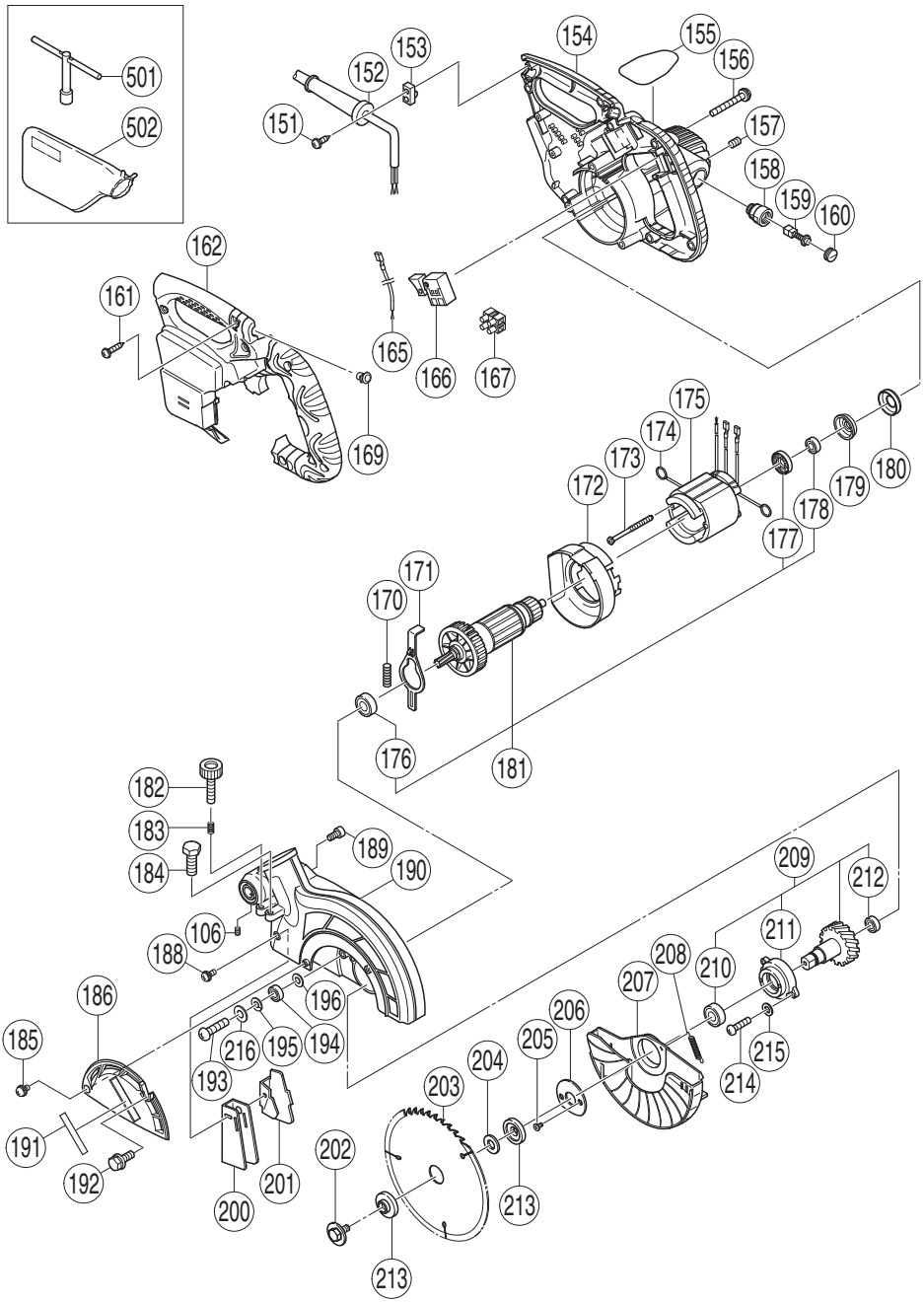
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Item No.	Part Name	Q'TY
1	MACHINE SCREW (W/WASHERS) M4×12	1
2	CLAMP LEVER	1
3	BOLT (LEFT HAND) D10	1
4	SPECIAL WASHER	1
5	SET PIN	1
6	O-RING (1AP-12)	1
7	MACHINE SCREW M4×8	5
8	BOLT WASHER M4	6
9	HINGE SHAFT (A)	1
10	SCALE (B)	1
11	LINER (A)	1
12	SPRING	1
13	TURN TABLE ASS'Y	1
14	SHAFT (B)	1
15	BOLT WASHER M12	2
16	MACHINE SCREW M4×12	1
17	INDICATOR	1
18	MACHINE SCREW M6×16	6
19	TABLE INSERT	2
20	SPACER (A)	1
21	SHAFT (A)	1
22	E-RING	1
23	SIDE HANDLE	1
24	LEVER SHAFT	1
25	LEVER	1
26	SPRING (D)	1
27	SHAFT (C)	1
28	SEAL LOCK HEX. SOCKET SET SCREW M6×6	1
29	SPRING (E)	1
30	STOPPER (A)	1
31	COVER (B)	1
32	THRUST WASHER	1
33	PIN COVER	1
34	KNOB BOLT M10×66	1
35	WING BOLT M6×15	1
36	SCREW HOLDER	1

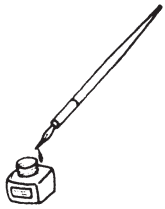
Item No.	Part Name	Q'TY
37	BOLT WASHER M6	1
38	VISE SHAFT	1
39	VISE PLATE	1
40	MACHINE SCREW M4×10	1
41	VISE ASS'Y	1
42	BOLT M8×35	4
43	SPRING WASHER M8	4
44	BOLT WASHER M8	4
45	WING BOLT M6×25	1
46	FENCE (B)	1
51	HOLDER	1
52	BOLT M6×10	1
53	LINER	3
54	FENCE (A)	1
55	BASE ASS'Y	1
56	BASE RUBBER	4
57	SCALE (A)	1
58	CAUTION LABEL (B)	1
81	SLEEVE	1
82	SPRING	1
83	SEAL LOCK HEX. SOCKET SET. SCREW M8×10	4
84	HINGE (A) ASS'Y	1
85	MACHINE SCREW M5×12	1
86	SPACE	1
87	LINK	1
88	HINGE SHAFT (A)	1
89	O-RING (P-6)	1
90	STOPPER PIN ASS'Y	1
91	HINGE COVER	1
92	BOLT WASHER M4	5
93	MACHINE SCREW M4×8	3
94	CORD	1
95	MACHINE SCREW (W/WASHERS) M4×12	1
96	NYLON CLIP	1
97	SUPPORT	1
98	MACHINE SCREW M4×8	1

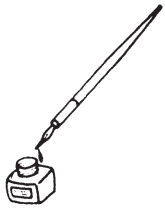
Item No.	Part Name	Q'TY
99	BALL BUSHING	1
100	BUSHINGH	1
101	KNOB BOLT M6×25	1
102	LOCK SPRING	1
103	SEAL LOCK HEX. SOCKET SET SCREW M6×10	1
104	MACHINE SCREW M4×12	1
105	INDICATOR	1
106	SEAL LOCK HEX. SOCKET SET SCREW M6×8	2
107	TAPPING SCREW (W/FLABGE) D5×25	1
108	NYLOCK BOLT (A) M8×25	2
109	HOLDER (A)	1
110	GUARD ASS'Y	1
151	TAPPING SCREW (W/FLANGE) D4×16	3
152	CORD ARMOR D10.1	1
153	CORD CLIP	1
154	HOUSING ASS'Y	1
155	NAME PLATE	1
156	MACHINE SCREW (W/WASHERS) M5×40	3
157	HEX. SOCKET SET SCREW M5×8	2
158	BRUSH HOLDER	2
159	CARBON BRUSH	2
160	BRUSH CAP	2
161	TAPPING SCREW (WFLANGE) D4×20	7
162	HANDLE COVER	1
165	INTERNAL WIRE (G)	1
166	SWITCH	1
167	PILLAR TERMINAL (A)	1
169	CAP	1
170	SPRING	1
171	LOCK LEVER	1
172	FAN GUIDE	1

Item No.	Part Name	Q'TY
173	HEX. HD. TAPPING SCREW D4×60	2
174	BRUSH TERMINAL	2
175	STATOR ASS'Y	1
176	BALL BEARING 608VVC2PS2L	1
177	DUST SEAL	1
178	BALL BEARING 6000VVCMPS2L	1
179	BEARING BUSHING	1
180	RUBBER BUSHING	1
181	ARMATURE ASS'Y	1
182	KNOB BOLT M6×37	1
183	LOCK SPRING	1
184	NYLOCK BOLT M8×25	1
185	MACHINE SCREW (W/WASHERS) M5×8	1
186	SPINDLE COVER	1
188	MACHINE SCREW (W/WASHERS) M4×12	1
189	SEAL LOCK HEX. SOCKET HD. BOLT M5×10	1
190	GEAR CASE	1
191	BRAND PLATE	1
192	BOLT (W/WASHER) M6×16	1
193	MACHINE SCREW M6×25	1
194	BALL BEARING 606ZZC2PS2L	1
195	SPRING WASHER M6	1
196	WASHER M6	1
200	DUST GUIDE	1
201	GUIDE HOLDER	1
202	BOLT (LEFT HAND) W/WASHER M7×17.5	1
203	TCT SAW BLADE	1
204	COLLAR	1
205	FLAT HD. SCREW M4×10	2
206	COVER	1
207	LOWER GUARD	1

Item No.	Part Name	Q'TY
208	RETURN SPRING	1
209	SPINDLE ASS'Y	1
210	BALL BEARING 6003VVCM	1
211	BEARING HOLDER	1
212	BALL BEARING 608VVC2PS2L	1
213	WASHER (D)	2
214	MACHINE SCREW M5×20	2
215	SPRING WASHER M5	2
216	WASHER (G)	1
501	BOX WRENCH 10MM	1
502	DUST BAG	1
601	NYLON NUT M6	1
602	PLATE	1
603	SUB FENCE	1
604	FLAT SCREW M6×25	1
605	SUB FENCE ASS'Y	1
606	CROWN MOLDING STOPPER (L) ASS'Y	1
607	KNOB BOLT M6×32	1
608	CROWN MOLDING STOPPER HOLDER	1
609	CROWN MOLDING STOPPER (L)	1
610	WING BOLT M6×15	1
611	VISE (B) ASS'Y	1
612	KNOB BOLT M6×11	1
613	SCREW HOLDER (B)	1
614	WASHER (H)	1
615	BASE RUBBER	1
616	MACHINE SCREW (W/WASHERS) M4×10	1
617	VISE SHAFT	1
618	KNOB BOLT M10×54	1
619	CROWN MOLDING VISE ASS'Y	1
620	STOPPER	1
621	WING BOLT M6×20	1

Item No.	Part Name	Q'TY
622	CROWN MOLDING STOPPER HOLDER	1
623	CROWN MOLDING STOPPER (R)	1
624	WING BOLT M6×15	1
625	CROWN MOLDING STOPPER (R) ASS'Y	1
626	HOLDER ASS'Y	1
627	HOLDER	2
628	WING NUT M6	2
629	NUT M6	2
630	WASHER (H)	4
631	VISE PLATE	2
632	HIGH TENSION BOLT M6×25	2
633	GUIDE ASS'Y	1





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