

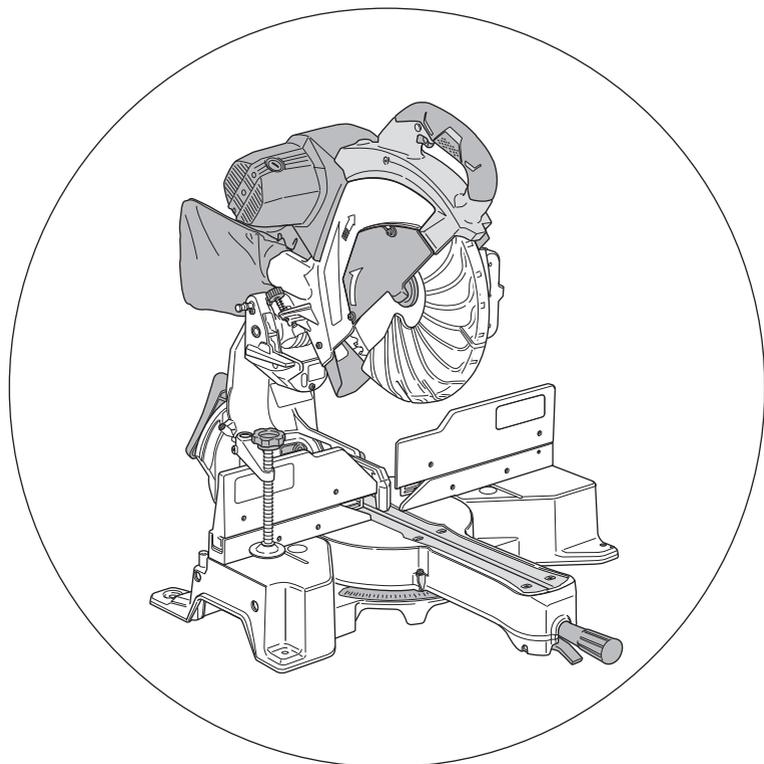
# HiKOKI

滑动复合式斜口锯

Slide Compound Miter Saw

## C 12RSH2

中文  
English



保留备用

Keep for future reference



使用说明书

Handling instructions



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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。  
使用本复合式滑动斜切锯进行切割操作时，可能会从固定防护装置的除尘管产生大量灰尘。

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，如发现损伤应立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。

## 使用复合式斜切锯须知

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防护设备，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. 请勿在锯片转向前面或转向侧面的状态下使用复合式斜切锯。
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公司所推荐的锯条。
24. 锯条的外径应在 290 mm 至 305 mm 以内。
25. 须根据要切割的材料来选择锯条。
26. 装有锯片时，切勿操作复合式斜切锯。
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. 在切割木头时，将复合式斜切锯与集尘装置相连接。
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. 进行切割作业时，操作员必须将锯条朝外推。
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。
41. 确保每次切割之前，机器保持平稳。  
仅使用最大允许速度高于电动工具空载速度的锯条。  
请勿用不同类型的激光替换。
42. 请勿站在机器前面，与锯条在一条直线上。始终站在锯条旁边。这将保护您的身体避免发生机器误伤风险。保持手、手指和手臂远离正在旋转的锯条。  
操作工具臂时请勿交叉双臂。
43. 务必关闭机器并让锯条完全停止，然后再拿起工件，否则可能导致锯条被卡住。为防止反向弹出，等机器完全停止后再移动工件。  
重新启动机器前，清除可能会导致锯条卡住的因素。

# 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

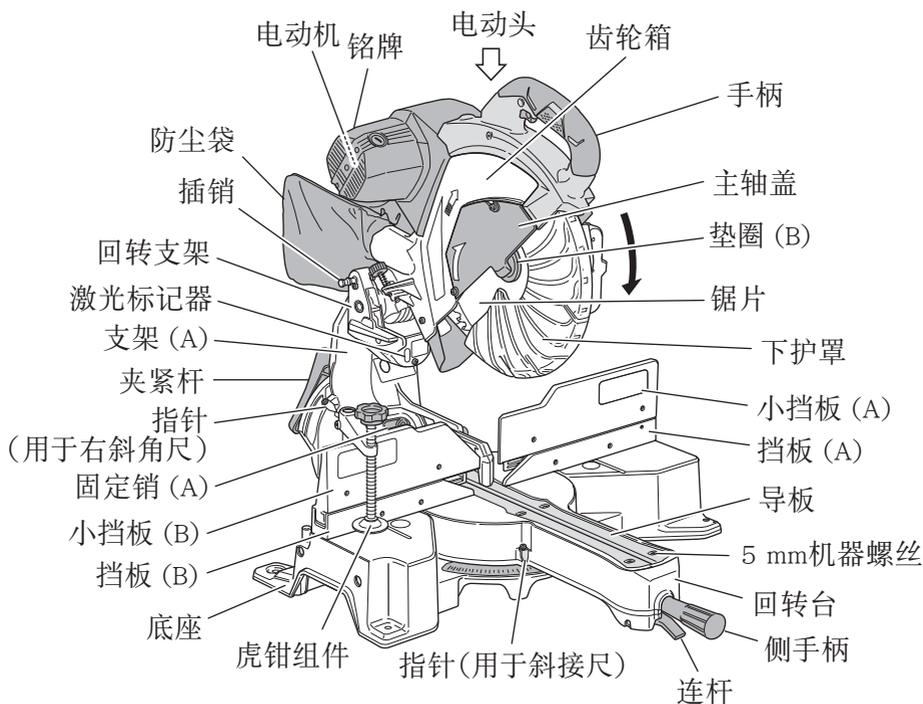


图 1

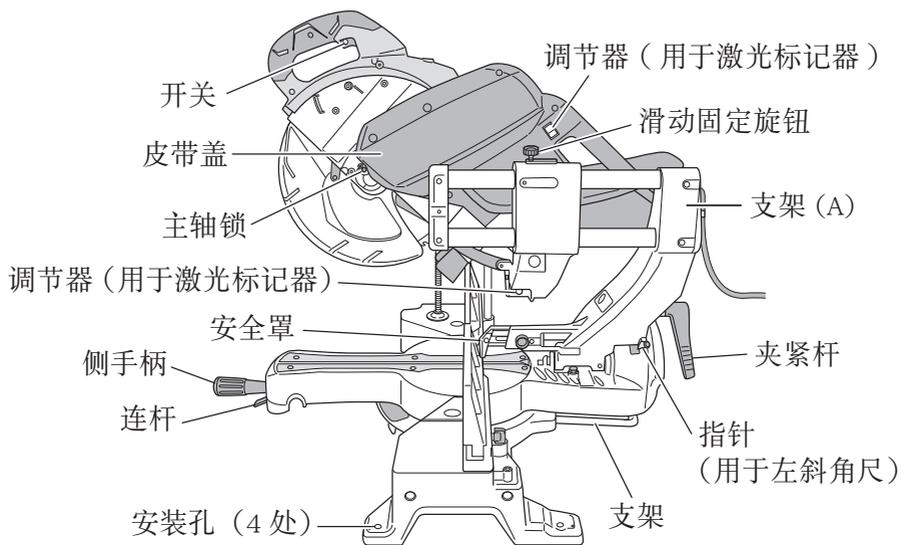


图 2

## 规格

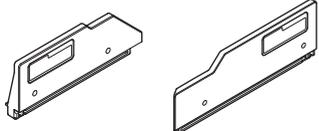
物品	型号	C12RSH2					
电动机	类型	系列整流式电动机					
	电压 (V)	(220V) ~					
	输入功率	1520 W					
激光标记器	最大输出	<0.4 mW IM 级 激光产品					
	波长	650 nm					
	激光介质	激光二极管					
适用锯条	外径 305 mm 孔径 25.4 mm						
空载转速	4000 /min						
最大锯切尺寸	斜接	电动头	回转台	最大锯切尺寸			
				0	0	最大高度	107 mm
						最大宽度	312 mm
					*	或 最大高度	120 mm
						最大宽度	260 mm
						连同辅助板	25 mm
		0	左 45° 或者 右 45°		最大高度	107 mm	
					最大宽度	220 mm	
				*	或 最大高度	120 mm	
					最大宽度	180 mm	
					连同辅助板	25 mm	
		0	右 57°		最大高度	107 mm	
				最大宽度	170 mm		
			*	或 最大高度	120 mm		
				最大宽度	130 mm		
				连同辅助板	25 mm		
	斜角	左 45°	0	最大高度	70 mm		
				最大宽度	312 mm		
				或 最大高度	75 mm		
		最大宽度	260 mm				
					连同辅助板	25 mm	
		右 45°	0		最大高度	45 mm	
				最大宽度	312 mm		
			*	或 最大高度	50 mm		
				最大宽度	260 mm		
				连同辅助板	25 mm		

最大 锯切 尺寸	复合	电动头	回转台	最大锯切尺寸	
		左 45°	左 45°	最大高度	70 mm
				最大宽度	220 mm
				或	
			*	最大高度	75 mm
				最大宽度	180 mm
				连同辅助板	25 mm
		左 45°	右 31°	最大高度	70 mm
				最大宽度	265 mm
				或	
			*	最大高度	75 mm
				最大宽度	220 mm
				连同辅助板	25 mm
		右 45°	右 45°	最大高度	45 mm
				最大宽度	220 mm
		或			
	*	最大高度	50 mm		
		最大宽度	180 mm		
		连同辅助板	25 mm		
右 45°	左 31°	最大高度	45 mm		
		最大宽度	265 mm		
		或			
	*	最大高度	50 mm		
		最大宽度	220 mm		
		连同辅助板	25 mm		
斜接锯切范围		左 0° - 46°	右 0° - 57°		
斜角锯切范围		左 0° - 45°	右 0° - 45°		
复合锯切范围		左 (斜角) 0° - 45°, 左 (斜接) 0° - 45°, 右 (斜接) 0° - 31°			
		右 (斜角) 0° - 45°, 右 (斜接) 0° - 45°, 左 (斜接) 0° - 31°			
净重		C12RSH2 27 kg			
电线		双芯电缆 1.8 m			

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，请参见第 14 页的“实际应用”。请将辅助板安装到挡板表面（关于辅助板厚度，参见（））。参见第 20 页（见图 20、21）的“10 切割大工件”。

## 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。

	305 mm TCT 锯条 (安装在工具上)	1
	防尘袋	1
	17 mm 套筒扳手	1
	虎钳组件	1
	支架	1
	侧手柄 (安装在工具上)	1
	小挡板 (安装在工具上)	1

## 用途

切割各种类型的铝框格和木材。

## 作业之前

### 注意！

在将电源插头插入插座前，进行必要的调整。

#### 1. 电源

确认所使用的电源与产品铭牌上标示的功率要求相符。

请勿使用直流电或增压机等变压器。否则可能会导致机器损坏或事故。

#### 2. 电源开关

确认电源开关已切断。若触发器开关接通，则插头插入电源插座时电动工具将出其不意地立刻转动，从而导致严重事故。

#### 3. 延伸线缆

当工作区域距离电源较远时，使用足够厚度和额定功率的延伸线缆。延伸线缆应尽可能短。

#### 4. 取下所有粘贴或连接到该工具的包装材料，然后再次尝试操作。

#### 5. 松开锁定插销（图 3）

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，将锁定插销插入齿轮箱进行固定。

#### 6. 将防尘袋套到主机上（第 6 页的图 1）

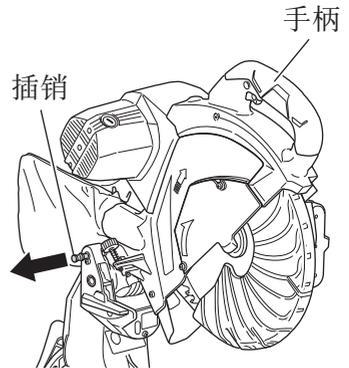


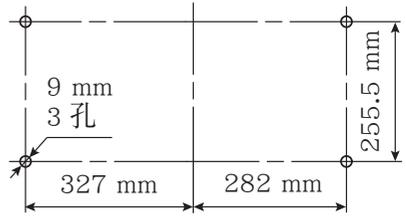
图 3

# 中文

## 7. 安装 (图 4):

确认机器始终固定在工作台上。  
将该电动工具安装到水平的工作台上。  
选择适合工作台厚度的 8 mm 直径螺栓。  
螺栓长度至少应为 40 mm 加上工作台厚度。

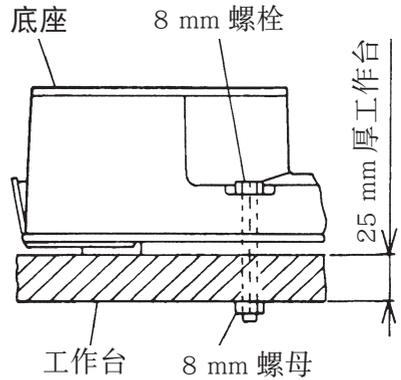
例如, 对于 25 mm 厚的工作台, 应使用 8 mm×65 mm 螺栓。



## 8. 调节底座 (图 5)

使用所提供的 10mm 套筒扳手拧松 6mm 螺栓。调节底座直至其底面接触到工作台或地面。

调节后, 拧紧 6mm 螺栓。



## 9. 检查下护罩是否能平滑移动

### 注意!

此滑动复合式斜口锯配备有锯头锁等防护装置。

(1) 按下手柄时, 检查下护罩是否能平滑移动 (图 6)。

(2) 接着, 检查拉起手柄时, 下护罩是否返回到原来的位置。

此外, 改变用作锯条下限位置止动片的 8 mm 深度调节螺栓的位置时。

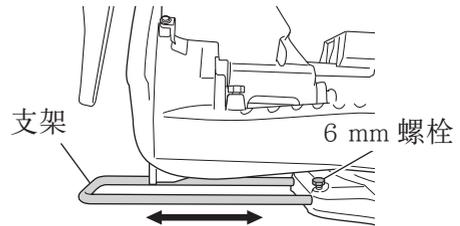


图 5

## 10. 斜角

电动工具在出厂装运之前, 已使用 8 mm 固定螺丝、8 mm 螺栓 (A) 和 8 mm 螺栓 (B) 调节为 0°、直角、左 45° 斜角切割角度和右 45° 斜角切割角度。

改变调节时, 通过转动 8 mm 固定螺丝、8 mm 螺栓 (A) 或 8 mm 螺栓 (B) 改变其高度。

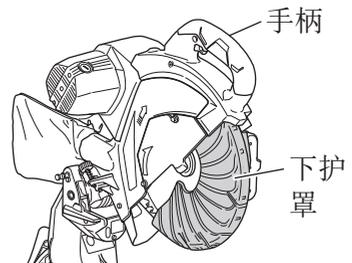


图 6

将斜角改为右 45° 时，按照图 7-b 所示的方向拉动固定销 (A)，然后将电动头倾斜到右侧。

将电动头调节到 0° 时，务必将固定销返回到初始位置，如图 7-b 所示。

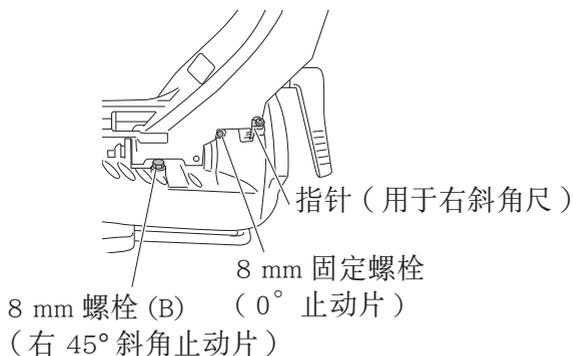


图 7-a

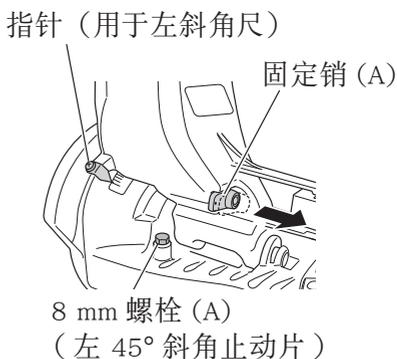


图 7-b

### 11. 检查锯条的下限位置

检查锯条是否可以降低到导板以下 9 mm 至 10 mm。

更换新锯条时，请按照锯条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。

如需调节锯条的下限位置，请遵循下列第 (1) 步。(图 8)

此外，改变用作锯条下限位置止动片的 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，然后调节锯条的下限位置。

注：

确认调节的锯条不会切割到回转台。



图 8

## 切割之前

1. 在安全罩上刻出凹槽  
 支架 (A) 带有必须刻出凹槽的安全罩 (见图 9)。  
 松开 6 mm 旋钮螺栓, 稍稍收回安全罩。放置合适的木片搁置挡板和台面之后, 使用虎钳组件将其固定。  
 打开开关且锯条全速运转之后, 缓慢降低手柄, 在安全罩上刻出凹槽。(第 19 页的图 19)

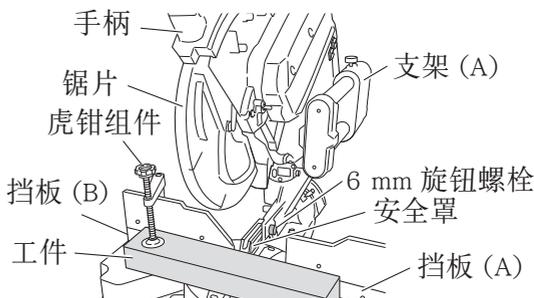


图 9

### 注意！

请勿过快切割凹槽, 否则安全罩可能会受损。  
 对于开槽作业, 请勿使用滑动切割。

## 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 (见图 10), 否则可能发生危险。

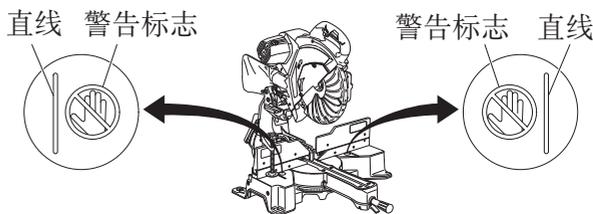


图 10

### 注意！

- 锯条正在转动时拆除或安装工件是非常危险的。
- 切割时, 从回转台清除锯末。
- 如果锯末积累太多, 会从切割材料中露出锯条。请勿将您的手或其他任何东西放到裸露的刀片附近。

### 1. 开关操作

拉动触发器打开开关。松动触发器便可将其关闭。

## 2. 使用虎钳组件（标准附件）（图 11）

- (1) 虎钳组件可安装在左挡板〔挡板(B)〕或右挡板〔挡板(A)〕。
- (2) 根据工件的高度，可升高或降低螺栓支架。
- (3) 转动上旋钮并将工件固定于适当位置。

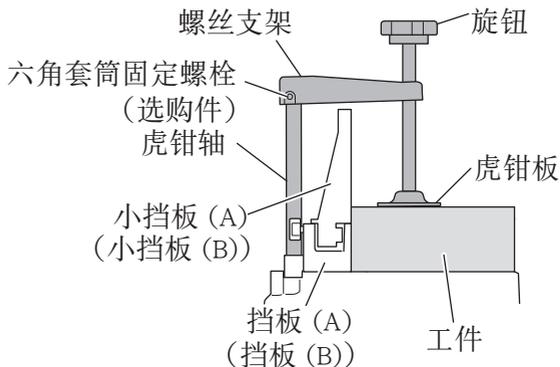


图 11

### 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，将虎钳组件移到不会碰到锯片的位置。

## 3. 放置导板（图 12）

导板安装在回转台上。出厂装运工具时，按照锯条不会与导板接触的原则固定导板。如果按照导板侧面和锯条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。

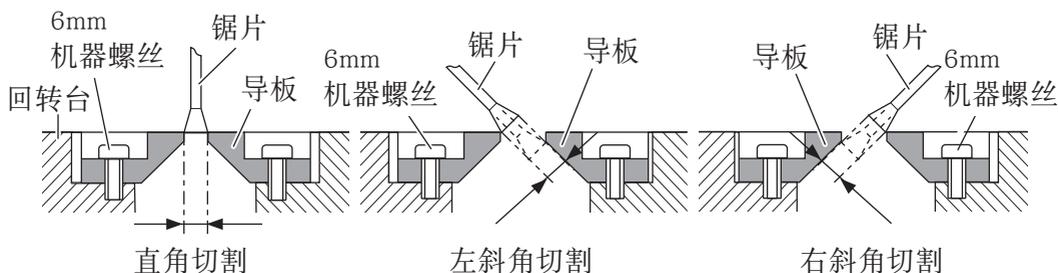


图 12

### (1) 直角切割

松开三颗 5 mm 机器螺丝，然后固定左侧导板并暂时旋紧两端的 5 mm 机器螺丝。然后使用虎钳组件固定工件（宽度约为 200 mm）并将其切除。将切割表面与导板边缘对齐之后，牢牢旋紧两端的 5 mm 机器螺丝。取出工件并牢牢旋紧 5 mm 中央机器螺丝。按照相同的方式调节右侧导板。

### (2) 左右斜角切割

按照直角切割的同样的步骤来调节导板。

## 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。

### 4. 确认使用副挡板 (A) (图 13)

#### 警告！

左角度进行切割时，拧松 6 mm 翼栓，然后向外滑动副挡板 (B)。否则主体或锯条可能与副挡板 (B) 接触，从而导致损伤。

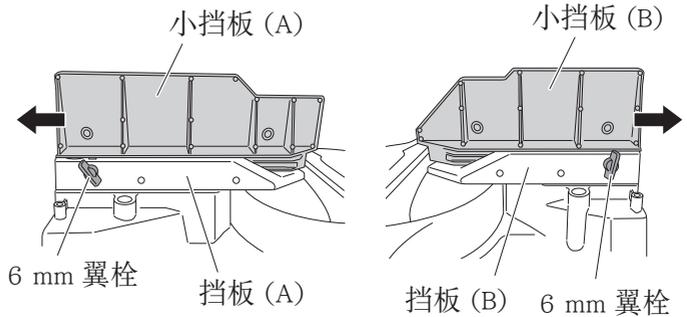


图 13

本电动工具配备副挡板 (A)。

进行直接角度切割和左斜角切割时，请使用副挡板 (A)。这样就可以实现对具有宽大背面的材料进行稳定的切割。右角度进行切割时，拧松 6 mm 翼栓，然后向外滑动副挡板 (A) 并取下，如图 13 所示。

### 5. 确认使用副挡板 (B) (图 13)

#### 警告！

左角度进行切割时，拧松 6mm 翼栓，然后向外滑动副挡板 (B)。否则主体或锯条可能与副挡板 (B) 接触，从而导致损伤。

本电动工具配备有副挡板 (B)。在直接角度切割和右斜角切割中，请使用副挡板。左角度进行切割时，拧松 6mm 翼栓，然后向外滑动副挡板 (B)，如图 13 所示。

### 6. 使用墨线 (调节护罩)

#### (1) 直角切割

松开 6 mm 旋扭螺栓并让安全罩的尖端与工件接触。

将工件上的墨线与安全罩凹槽对齐的同时，在墨线上切割工件。

#### (2) 斜接切割和复合切割

(斜接切割 + 斜角切割)

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！

在某些配置情况下，旋转回转台时，安全罩会从挡板面伸出。松开 6 mm 旋钮螺栓并将安全罩压低至收回位置。锯条旋转时，切勿提起下护罩。右 45° 以上角度切割时，请向后滑动护罩。不仅会接触安全罩、副挡板 (A) 和副挡板 (B) 并影响切割精度，还可能损坏安全罩。

### 7. 激光线的位置调节

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 14)。

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。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好，不要移动。关于开槽作业，参见第 25 页的“19. 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，则激光线将向左移动。) 如果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 15)。如果墨线与锯条的右侧对齐，则将激光线与凹槽的右端对齐。

(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。



图 14

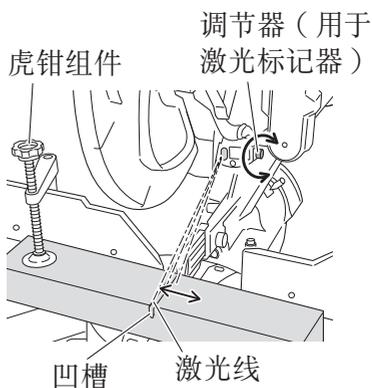


图 15

## 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 16)

- 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。

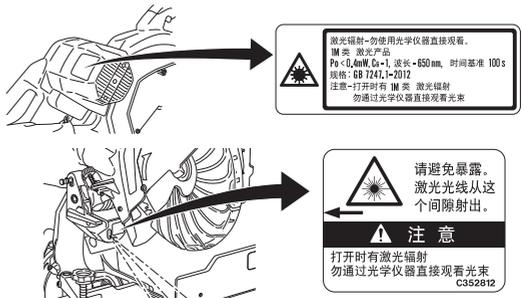


图 16

## 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。
- 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 150 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) ]。

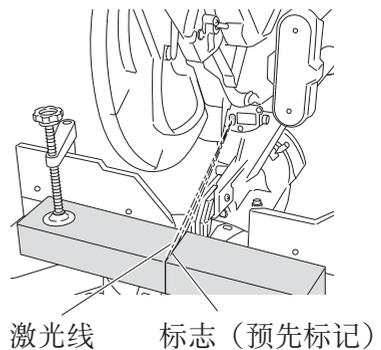


图 17

## 8. 切割操作

- (1) 如图 18 所示，锯条的宽度为切割宽度。因此，在需要长度 **b** 时将工件向右侧滑动（从操作员的位置看去），或在需要长度 **a** 时向左侧滑动。

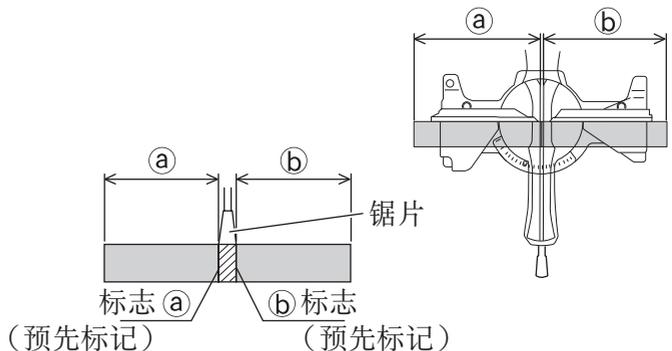


图 18

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。

- (2) 打开开关后，检查锯条是否以最大速度旋转，慢慢地将手柄推下，并将锯条放到要切割的材料附近。
- (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。

## 警告！

- 关于切割的最大尺寸，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。
- 连续切割作业可能造成电动机过载。触摸电动机，若其较热，则立即停止切割作业并等候约 10 分钟，然后重新开始切割作业。

### 9. 切割窄工件（按压切割）（图 19）

将回转支架向下滑动至支架 (A)，然后旋紧滑动固定旋钮（第 7 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  $107 \text{ mm}^2$  的工件。

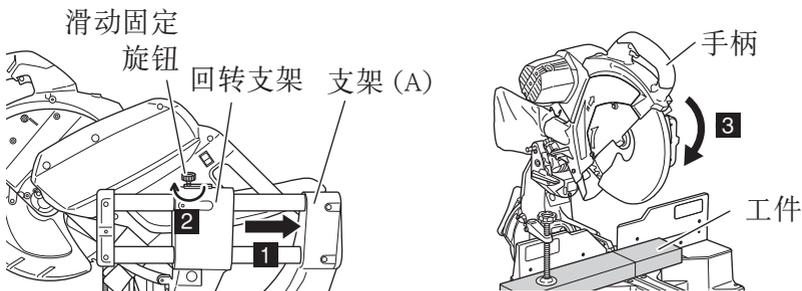


图 19

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### 10. 切割大工件 (图 20、21)

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 20)

关于辅助板厚度,参见“规格”。

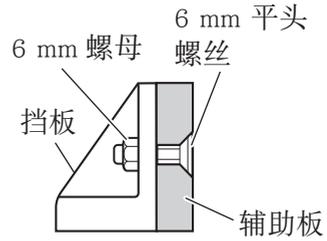


图 20

### 注:

直角切割工件的高度超过 107 mm,左斜角切割工件的高度超过 70 mm 或者右斜角切割工件的高度超过 45 mm 时,请按照电动头底座不会与工件接触的原则调节下限位置。



图 21

如需调节锯条的下限位置,请遵照图 21 所示的第(1)步。

- (1)降低电动头,然后转动 8 mm 深度调节螺栓,并且按照电动头下限位置和位于锯条下限位置(8 mm 深度调节螺栓头碰到回转支架的位置)时工件顶部之间的间隙为 2 mm 至 3 mm 的原则进行调节。

### 11. 切割宽工件(滑动切割)(图 22)

- (1)最高 107 mm 且最宽 312 mm 的工件:

松开滑动固定旋钮(A)(图 2),抓住手柄并向前滑动锯条。

按压手柄并向后滑动锯条来切割工件。这样即可易于切割最高 107 mm 且最宽 312 mm 的工件。

- (2)最高 120 mm 且最宽 260 mm 的工件:

按照以上第 6-(1)段所述的相同方式,可以切割最高 120 mm 且最宽 260 mm 的工件。

### 注意!

- 切割高度为 120 mm 的工件时,按照处于下限位置时电动头下边缘和工件之间的间隙为 2 至 3 mm 的原则调节电动头的下限位置。
- 如果用力或者横向按压手柄,则锯条在切割作业时可能会震动,并在工件上留下不必要的切割标记,导致切割品质降低。因此,请轻轻地且缓慢地按压手柄。
- 在滑动切割时,以单一、平滑的操作轻轻地向后推手柄。切割期间停止手柄移动会在工件上留下不必要的切割标记。

**警告！**

- 关于滑动切割，请遵照以上所述步骤。由于锯条可能从工件中跳出，向前滑动切割（面向操作员）是非常危险的。因此，操作员请务必向外滑动手柄。
- 为了减少受伤的危险，每次横切作业之后，请务必将车架返回至最后端位置。
- 由于电动头降低时锯条靠近侧手柄，因此切割作业期间切勿将您的手放在侧手柄上。

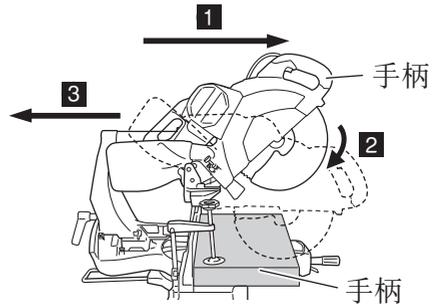


图 22

**12. 斜接切割程序**

- (1) 松开侧手柄，然后拉起角度止动片的连杆。然后调节回转台，直至指针与斜接尺上的所需设定对齐（图 23）。
- (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。因此，如需以 2/10 级切割工件，请将指针设定所示的位置。

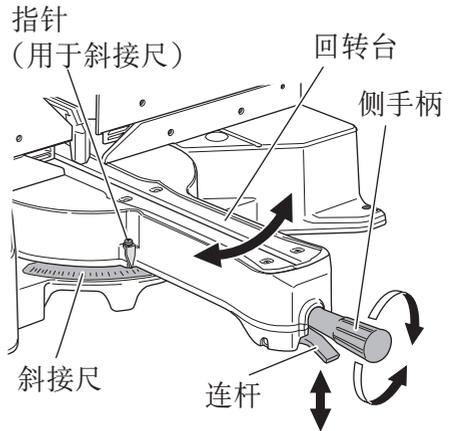


图 23

**注：**

- 在 0° 中心设定的右侧与左侧，15°、22.5°、30° 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锯，会造成切割精度低下。

**13. 斜角切割步骤 (图 24)**

- (1) 松开夹紧杆并使锯条向左或向右倾斜。将电动头向右倾斜时，向后拉动固定销(A)。夹紧杆采用锁绳系统。接触工作台和主体时，请按照图 24 所示的箭头标记拉动夹紧杆，然后改变夹紧杆的方向。

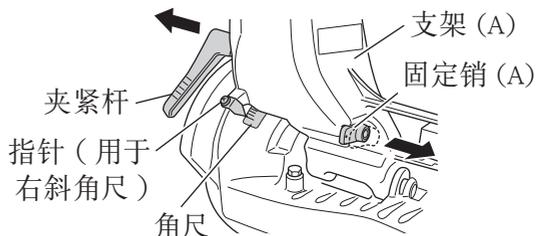


图 24

## 中文

- (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。
- (3) 遵照以上第 4、5 和 6 段中所示的步骤。关于斜角切割的最大尺寸，参见第 8 页的“规格”表。

### 警告！

工件固定于锯条左侧或右侧时，短小的切除部分会相应停留在锯条右侧或左侧。在从工件上抬起手柄之前，务必先切断电源并让锯条完全停止转动。

如果锯条仍在转动时抬起手柄，则被切除的碎片可能会卡住锯条，导致碎片撒开，非常危险。

中途停止斜角切割作业时，应将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，并接触到锯片。

### 注意！

在左 45° 斜角切割位置切割高度为 75mm 的工件，或者在右 45° 斜角切割位置切割高度为 50 mm 的工件时，按照处于下限位置时电动头下边缘和工件之间的间隙为 2 至 3 mm 的原则调节电动头的下限位置（参见第 13 页的“11. 检查锯条的下限位置”）。

#### 14. 复合切割步骤

您可以按照以上第 12 和第 13 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。

由于锯条可能会接触到固定工件的手，因此复合切割期间将回转头旋转向左旋转是非常危险的。

左斜角进行复合切割（角度 + 斜角）时，向外滑动副挡板 (B)，并进行切割操作。

右斜角进行复合切割（角度 + 斜角）时，取下副挡板 (A)，并进行切割操作。

#### 15. 切割长材料

切割长材料时，使用与支架（选购件）相同高度的辅助台，以及专用辅助设备的底座。

容量：木材 (W × H × L)

300 mm × 45 mm × 1300 mm 或

180 mm × 25 mm × 2000 mm

## 16. 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 25 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 6mm 翼状螺母并用 6mm 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。

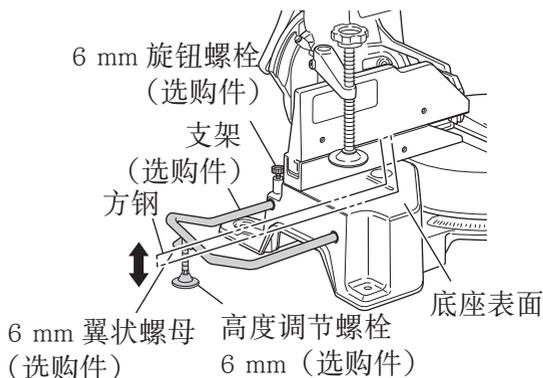


图 25

**注意!**

- 搬运此电动工具时, 请勿抓住其支架。
- 抓住支架有可能使底座滑出导致发生危险。应抓住手柄而不要抓住支架。

## 17. 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 285 mm 至 450 mm 的连续精密切割。安装止动片时, 按照图 26 所示, 用 6 mm 旋钮螺栓将其与支架连接。

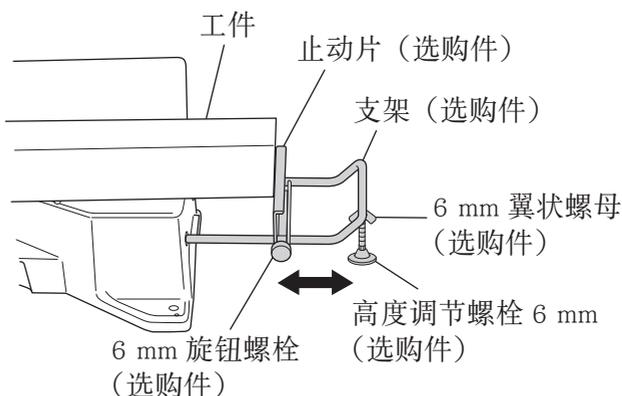


图 26

## 18. 确认使用冠状模塑虎钳组件、冠状模塑止动片 (L) 和 (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 27 所示。插入后旋紧 6 mm 旋钮螺栓, 以固定冠状模塑止动片。
- (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。

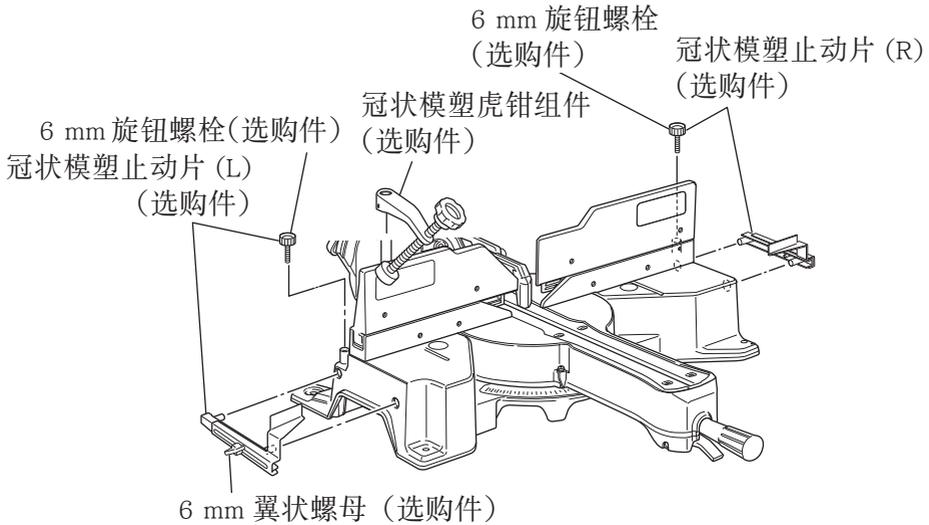


图 27

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，首先应松开六角套筒固定螺丝。

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（图 28）。

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 28 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。

关于斜接角度，请参考下表。

使用副挡板 (A) 确保冠状模塑更稳固（第 15 页的图 11）。

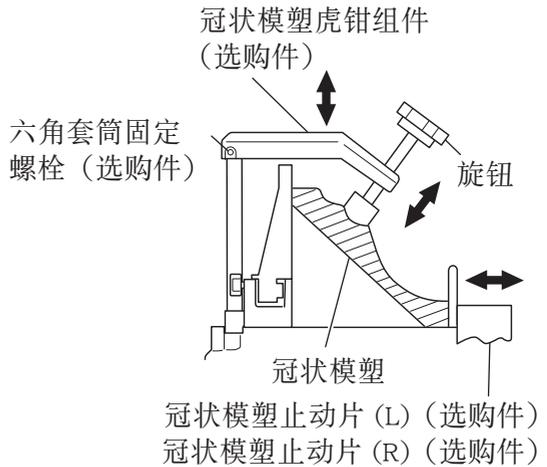


图 28

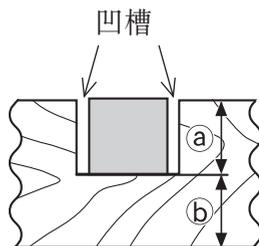
## 警告！

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（见第 6 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条的位置。

**19. 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 29）。

- (1) 按照图 30 所示的方向转动止动片支架。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) 通过设定锯条与底座表面之间的距离调节至想要的刻入深度（图 29）。



图 29

**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。

**20. 使用防尘袋（标准附件）（图 31）**

- (1) 将防尘袋与电动工具的管道连接起来。
- (2) 防尘袋装满锯末后，锯条旋转时锯末会被吹出防尘袋。

定期检查防尘袋，并在装满前清空。

- (3) 在斜角与复合切割时，将防尘袋与底座面成直角安装。

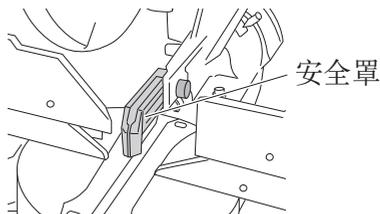


图 30

**21. 连接除尘器（单独销售）（第 26 页的图 32）**

请勿吸入切割作业中产生的有害粉尘。

粉尘会危害自己的他人的身体健康。

使用除尘器可减少粉尘危害。

将适配器、接头和除尘适配器与除尘器连接，可清除大部分粉尘。

用适配器连接除尘器。

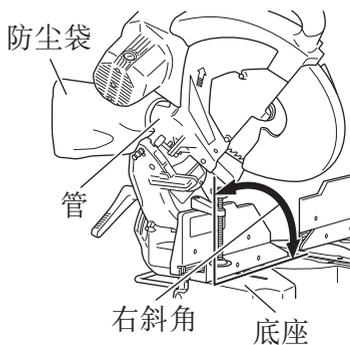


图 31

## 中文

- (1) 按顺序将软管（内径 38 mm × 3 m 长）和适配器（除尘器的标准附件）接头（选购件）以及除尘适配器（选购件）与电动工具的管道相连接。

按箭头方向进行连接。（图 32）

使用管夹将除尘适配器（选购件）固定到管道上。（选购件）

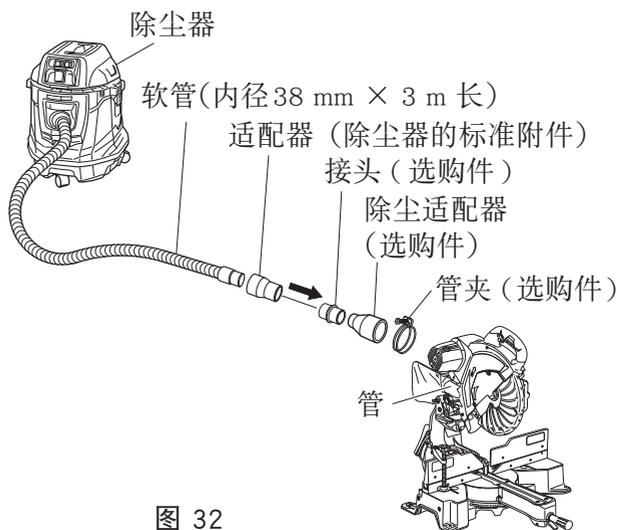


图 32

## 安装和拆卸锯条

### 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. 安装锯条（图 33）

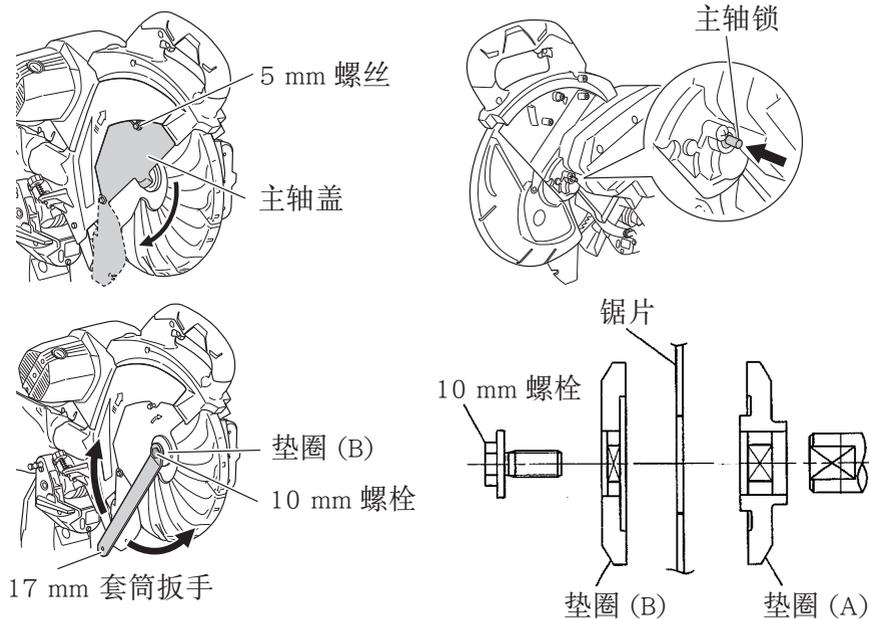


图 33

- (1) 使用十字螺丝起子松开固定主轴盖的 5 mm 螺丝，然后转动主轴盖。
- (2) 按下主轴锁并用 17 mm 扳手（标准附件）松开 10 mm 螺栓。  
由于螺栓为左侧螺纹，需向右旋转将其松开。

### 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 17 mm 扳手（标准附件）转动 10 mm 螺栓。  
向内按下主轴锁时，锯条主轴被锁定。

- (3) 取下螺栓与垫圈 (B)。
- (4) 提起下护罩并安装锯条。

### 警告！

安装锯片时，确认锯片上的旋转指针标志与主轴盖（第 6 页的图 1）的转动方向一致。

- (5) 仔细清洗垫圈 (B) 与 10mm 螺栓，并将其安装在锯片主轴上。
- (6) 按下主轴锁，并用标准附件（17 mm 套筒扳手）将 10mm 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。

### 注意！

- 在回转支架后部内侧安装有导泥槽。  
在安装或拆卸锯条时，请勿接触导泥槽。否则可能使锯条折断或碎裂。
- 拧紧 10 mm 螺栓，令其不会在作业过程中松动。
- 在启动该电动工具之前，请确认 10 mm 螺栓已完全拧紧。
- 确认下护罩已处于封闭状态。

### 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！

切勿试图安装直径大于 305 mm 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。  
如果您发现护罩或锯条等发生机器故障，请及时告知有资格的维修人员进行维修。

# 中文

## 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. 检查安装的螺丝

定期检查所有安装的螺丝，确保螺丝已完全拧紧。如果螺丝松动，请立即重新拧紧。否则可能导致严重的危险。

## 3 检查炭刷（图 34）

电动机采用的炭刷为消耗性部件。由于过度磨损的炭刷会导致电动机发生故障，当炭刷已严重磨损或接近“磨损极限”时，请更换如图所示相同型号的新炭刷。此外，经常保持炭刷清洁，确保炭刷在刷架内可顺畅滑动。

## 4. 更换炭刷（图 34）

使用一字槽螺丝刀拆下炭刷帽。然后便可轻松取下炭刷。

## 5. 电动机的维护

电动机绕组是电动工具的“核心”。应注意切勿使其暴露于油或水中而令绕线受损和 / 或受潮。

## 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（第 12 页的图 6）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。

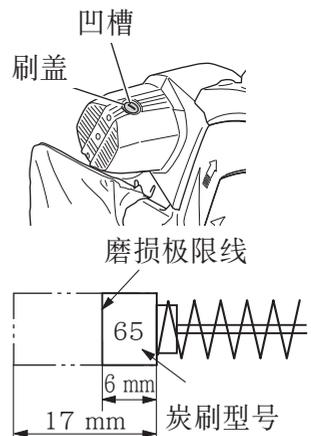


图 34

## 8. 更换安全罩

经过长期使用后，安全罩上的锯条槽可能变宽并需要更换。如果锯条槽变宽，请更换新的安全罩。更换后在新的安全罩上开一条槽（第 26 页的图 32）。参见第 14 页上的“切割之前 1. 在安全罩上刻出凹槽”。

## 9. 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

## 10. 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以及其他废料。为了避免电动机发生故障，切勿使其接触油或水。

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。

## 注意！

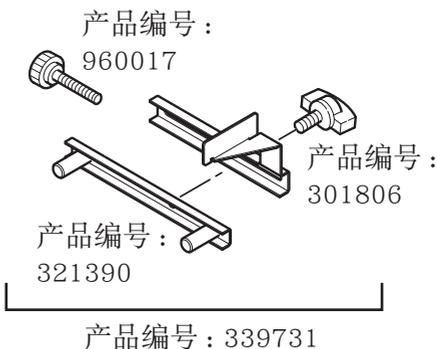
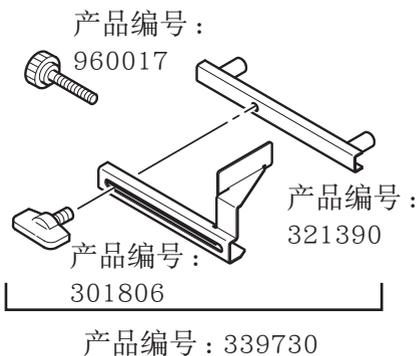
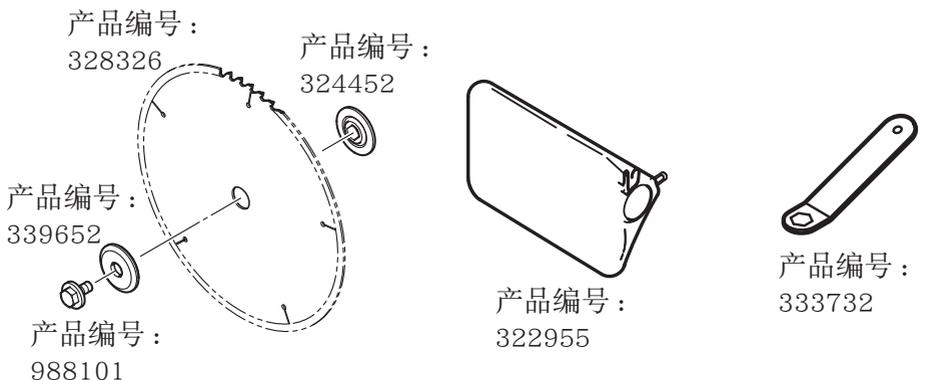
HiKOKI牌电动工具的维修、改造和检查须由经HiKOKI公司授权的维修中心进行。

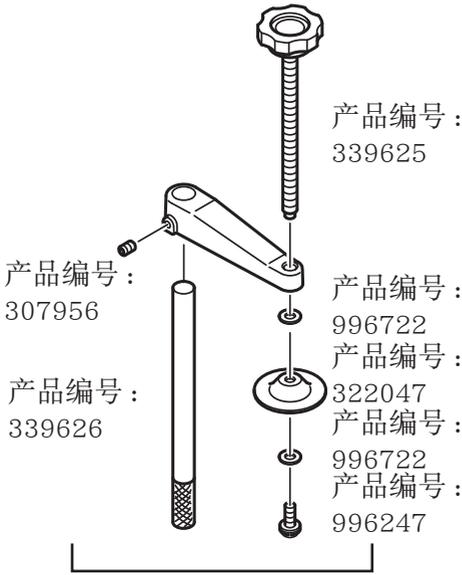
当要求维修或其它保养服务时，若将此零部件一览表与电动工具一起呈交给经HiKOKI公司授权的维修中心，将有助于维修或保养工作。

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。

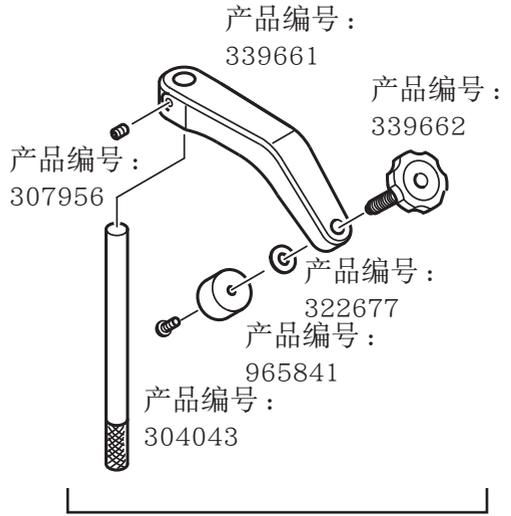
## 选择附件

根据特定作业选择适合的附件。  
有关详细信息请联系HiKOKI授权服务中心。

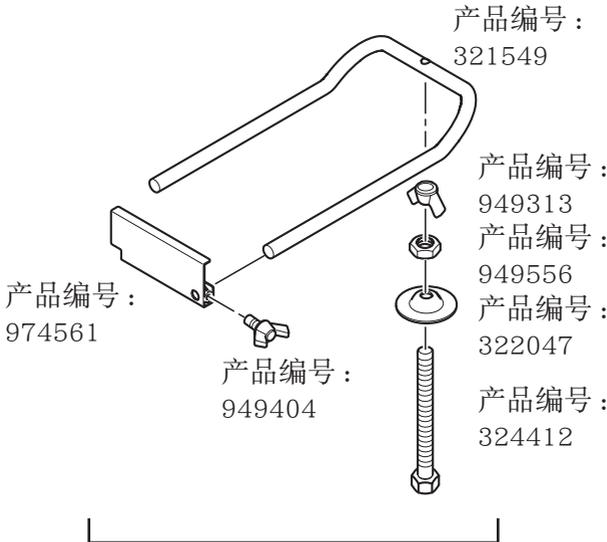




产品编号: 339624



产品编号: 339660



产品编号: 324464

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## 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 slide 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 SLIDE 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 slide 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 from 290 mm to 305 mm external diameter ranges.
25. Select the correct saw blade for the material to be cut.
26. Never operate the slide 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 slide 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.
41. Ensure before each cut that the machine is stable.  
Use only saw blades whose maximum permitted speed is higher than the no-load speed of the power tool.  
Do not replace the laser with a different type.
42. Do not stand in a line with the saw blade in front of the machine. Always stand aside of the saw blade. This protects your body against possible kickback. Keep hands, fingers and arms away from the rotating saw blade.  
Do not cross your arms when operating the tool arm.
43. If the saw blade should become jammed, switch the machine off and hold the workpiece until the saw blade comes to a complete stop. To prevent kickback, the workpiece may not be moved until after the machine has come to a complete stop. Correct the cause for the jamming of the saw blade before restarting the machine.

## 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

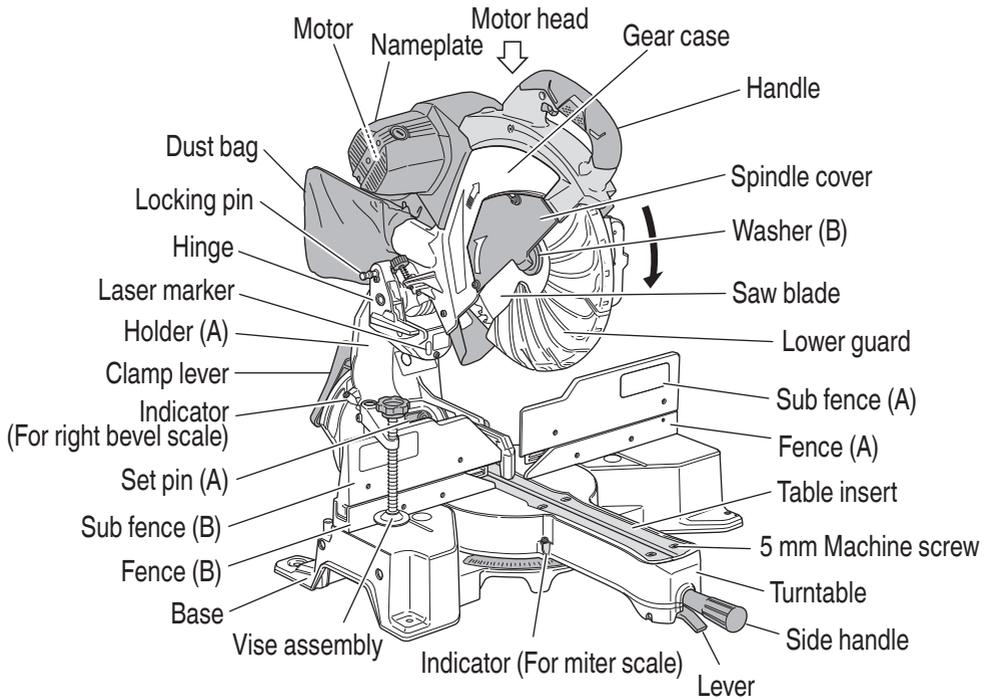


Fig. 1

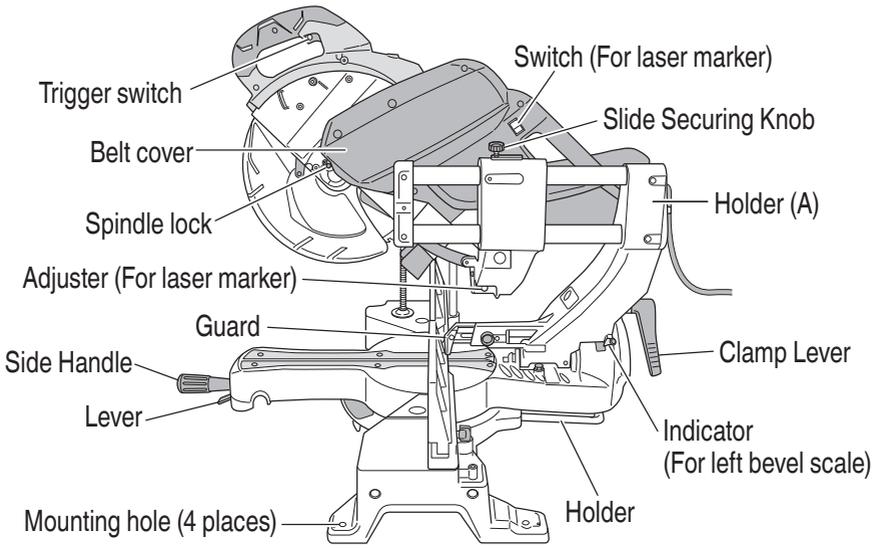


Fig. 2

## SPECIFICATIONS

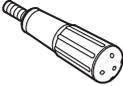
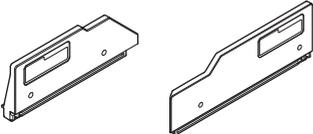
Item	Model	C12RSH2					
Motor	Type	Series commutator motor					
	Voltage (Volts)	(220V) ~					
	Power input	1520 W					
Laser Marker	Maximum output	<0.4mW CLASS IM Laser Product					
	Wave length	650 nm					
	Laser medium	Laser Diode					
Applicable saw blade	Outside Dia. 305 mm Hole Dia. 25.4 mm						
No load speed	4000 /min						
Max. sawing dimension	Miter	Head	Turntable	Max. sawing dimension			
				0	0	Max. Height	107 mm
						Max. Width	312 mm
					*	Max. Height	120 mm
						Max. Width	260 mm
					With aux. board		25 mm
		0	Left 45° or Right 45°		Max. Height	107 mm	
					Max. Width	220 mm	
				*	Max. Height	120 mm	
					Max. Width	180 mm	
				With aux. board		25 mm	
		0	Right 57°		Max. Height	107 mm	
				Max. Width	170 mm		
			*	Max. Height	120 mm		
				Max. Width	130 mm		
			With aux. board		25 mm		
	Bevel	Head	Turntable	Max. sawing dimension			
				Left 45°	0	Max. Height	70 mm
					Max. Width	312 mm	
				*	Max. Height	75 mm	
					Max. Width	260 mm	
				With aux. board		25 mm	
		Right 45°	0	Max. Height	45 mm		
				Max. Width	312 mm		
			*	Max. Height	50 mm		
				Max. Width	260 mm		
			With aux. board		25 mm		

Max. sawing dimension	Head		Turntable		Max. sawing dimension		
	Compound	Left 45°	Left 45°			Max. Height	70 mm
Max. Width						220 mm	
or							
* Max. Height						75 mm	
Max. Width						180 mm	
With aux. board						25 mm	
Left 45°		Right 31°				Max. Height	70 mm
						Max. Width	265 mm
						or	
						* Max. Height	75 mm
						Max. Width	220 mm
						With aux. board	25 mm
Right 45°	Right 45°				Max. Height	45 mm	
					Max. Width	220 mm	
					or		
					* Max. Height	50 mm	
					Max. Width	180 mm	
					With aux. board	25 mm	
Right 45°	Left 31°				Max. Height	45 mm	
					Max. Width	265 mm	
					or		
					* Max. Height	50 mm	
					Max. Width	220 mm	
					With aux. board	25 mm	
Miter sawing range	Left 0° – 46°		Right 0° – 57°				
Bevel sawing range	Left 0° – 45°		Right 0° – 45°				
Compound sawing range	Left (Bevel) 0° – 45°, Left (Miter) 0° – 45°, Right (Miter) 0° – 31°		Right (Bevel) 0° – 45°, Right (Miter) 0° – 45°, Left (Miter) 0° – 31°				
Net weight	C12RSH2		27 kg				
Cord	2 Conductor type cable		1.8 m				

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” on page 44. Mount the auxiliary board on the fence surface (Refer ( ) the thickness of auxiliary board). Refer to “10. Cutting large workpieces” on page 50 (**Fig. 20, 21 on page 50**).

## STANDARD ACCESSORIES

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

	305 mm TCT Saw blade (mounted on tool)	1
	Dust bag	1
	17 mm Box wrench	1
	Vise Assembly	1
	Holder	1
	Side Handle (mounted on tool)	1
	Sub Fence (mounted on tool)	1

## APPLICATION

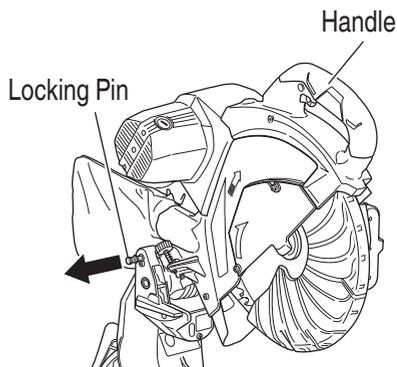
Cutting various types of aluminium sash and wood.

## PRIOR TO OPERATION

### CAUTION

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

1. Power source  
Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.  
Do not use with direct current, or transformers such as boosters. Doing so may result in damage or accidents.
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. Remove all packing materials attached or connected to the tool before attempting to operate it.
5. Releasing the locking pin (**Fig. 3**)  
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.
6. Attach the dust bag to the main unit (**Fig. 1 on page 36**)



**Fig. 3**

# English

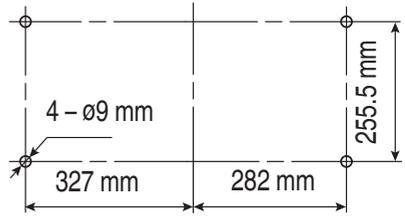
## 7. Installation (Fig. 4)

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 40 mm plus the thickness of the work bench.

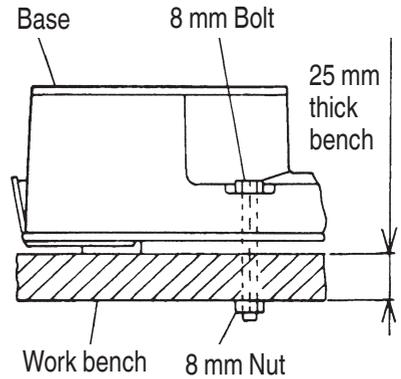
For example, use 8 mm × 65 mm bolts for a 25 mm thick work bench.



## 8. Base holder adjustment (Fig. 5)

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.

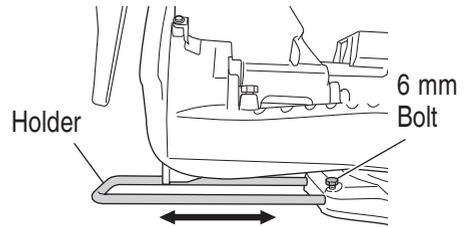


## 9. Check to see that the lower guard operates smoothly

## CAUTION

**This slide compound miter saw is equipped with a saw head lock as safety device.**

- (1) When you push down the handle, check that the lower guard revolves smoothly (Fig. 6).
- (2) Next, check that the lower guard returns to the original position when the handle is raised.



## 10. Oblique angle

Before the power tool is shipped from the factory, it is adjusted for 0°, right angle, left 45° bevel cutting angle and right 45° bevel cutting angle with the 8 mm set screw, 8 mm bolt (A) and 8 mm bolt (B).

When changing the adjustment, change the height of the 8 mm set screw, 8 mm bolt (A), or 8 mm bolt (B) by turning them.

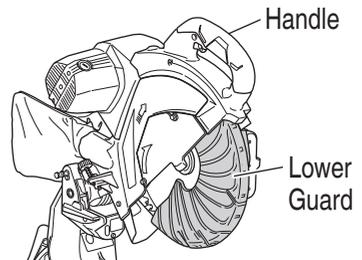
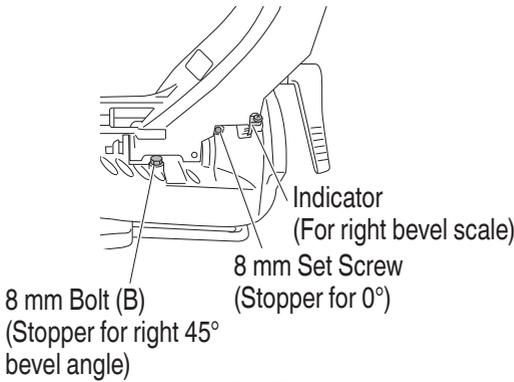


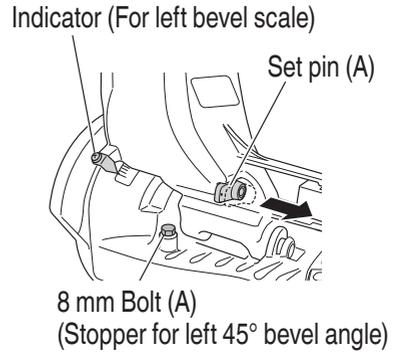
Fig. 6

When changing the bevel angle to the right 45°, pull the set pin (A) on the direction shown in **Fig. 7-b** and incline the motor head to the right.

When adjusting the motor head to 0°, always return the set pin (A) to its initial position as shown in **Fig. 7-b**.

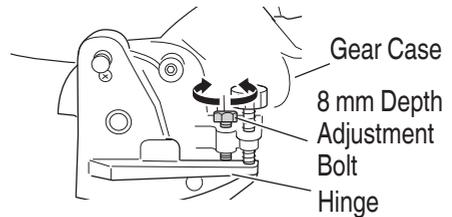


**Fig. 7-a**



**Fig. 7-b**

11. Checking the saw blade lower limit position  
Check that the saw blade can be lowered 9 mm to 10 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.  
To adjust the lower limit position of the saw blade, follow the procedure (1) indicated below. (**Fig. 8**)



**Fig. 8**

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.

## NOTE

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

## PRIOR TO CUTTING

1. Cutting a groove on the guard  
Holder (A) has a guard (see Fig. 9) into which a groove must be cut when using the tool for the first time. Loosen the 6 mm knob bolt to retract the guard slightly. After placing a suitable wooden piece to sit on the fence and the table surfaces, fix it with the vise. Slide the motor head backwards to the end. Then tighten the slide securing knob. After the switch has been turned on and the saw blade has reached maximum speed, slowly lower the handle to cut a groove on the guard. (see Fig. 19 on page 50)

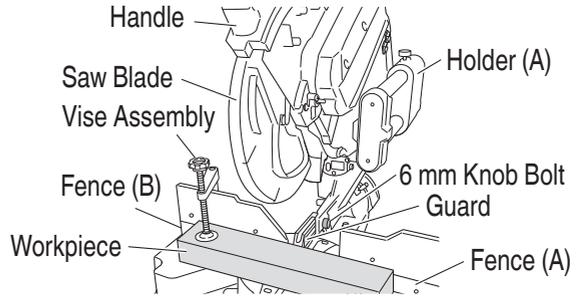


Fig. 9

## CAUTION

Do not cut the groove too quickly; otherwise the guard might become damaged.  
Do not use slide cutting for grooving tasks.

## 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 (see Fig. 10). This may cause hazardous conditions.

### 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.

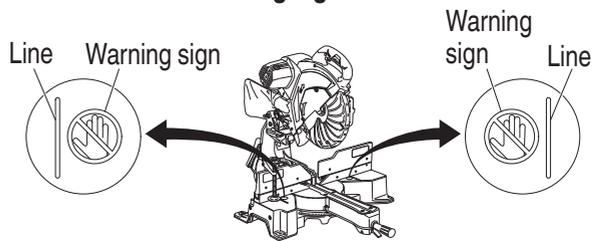


Fig. 10

1. Switch operation  
Pulling the trigger turns the switch on. Releasing the trigger turns the switch off.

2. Using the Vise Assembly (Standard accessory) (Fig. 11)
  - (1) The vise assembly can be mounted on either the left fence {Fence (B)} or the right fence {Fence (A)}.
  - (2) The screw holder can be raised or lowered according to the height of the workpiece.
  - (3) Turn the upper knob and securely fix the workpiece in position.

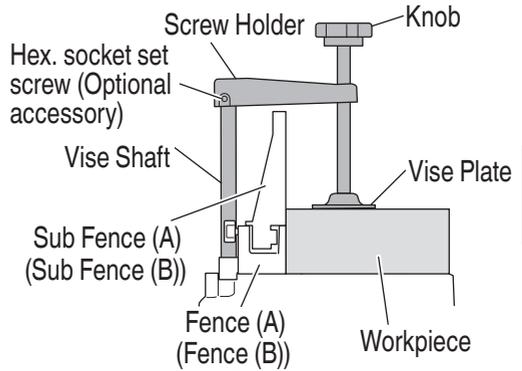


Fig. 11

## 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, move the vise assembly to a position where it will not contact the saw blade.**

3. Positioning the table insert (Fig. 12)
 

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.

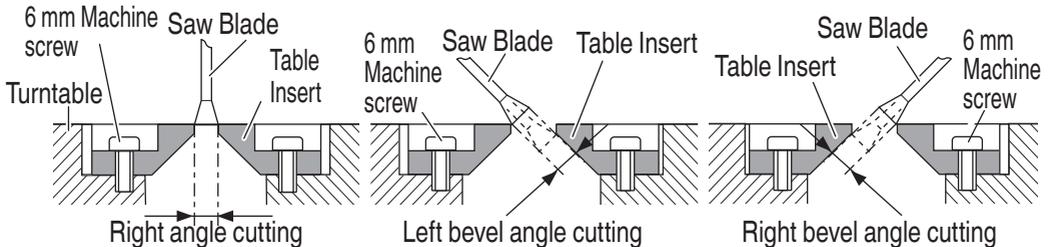


Fig. 12

- (1) Right angle cutting
 

Loosen the three 5 mm machine screws, then secure the left side table insert and temporarily tighten the 5 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 5 mm machine screws of both ends. Remove the workpiece and securely tighten the 5 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.

# English

## 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.

4. Confirmation for use of sub fence (A) (Fig. 13)

## WARNING

When right angle cutting, loosen the 6 mm wing bolt, then slide the sub fence (A) outward and remove it. Failure to do so may result in the main body or saw blade coming into contact with the sub fence (A) and causing injury.

This power tool is equipped with a sub fence (A). In the case of direct angle cutting and left bevel angle cutting, use the sub fence (A). Then, you can realize stable cutting of the material with a wide back face. When right angle cutting, loosen the 6 mm wing bolt, then slide the sub fence (A) outward and remove it, as shown in Fig. 13.

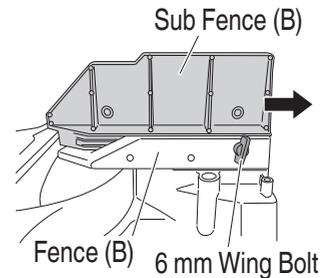
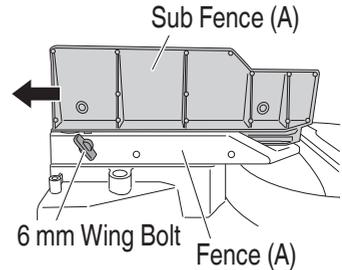


Fig. 13

5. Confirmation for use of sub fence (B) (Fig. 13)

## WARNING

When left angle cutting, loosen the 6 mm wing bolt, then slide the sub fence (B) outward. Failure to do so may result in the main body or saw blade coming into contact with the sub fence (B) and causing injury.

This power tool is equipped with a sub fence (B). In the case of direct angle cutting and right bevel angle cutting, use the sub fence (B). Then, you can realize stable cutting of the material with a wide back face. When left angle cutting, loosen the 6 mm wing bolt, then slide the sub fence (B) outward, as shown in Fig. 13.

6. Using an ink line (Adjusting the guard)

- (1) Right angle cutting

Loosen the 6 mm knob bolt and contact the tip of the guard with the workpiece.

Aligning the ink line on the workpiece with the groove of the guard, the workpiece is cut on the ink line.

- (2) Miter cutting and compound cutting

(Miter cutting + bevel cutting)

Upon lowering the motor section, the lower guard is raised and the saw blade appears.

Align the ink line with the saw blade.

## CAUTION

In some arrangements when the turntable is rotated, the guard projects from the fence surface. Loosen the 6 mm knob bolt and push the guard to the retracted position. Never lift the lower guard while the saw blade is rotating. When cutting at an angle of 45° to the right or more, please slide the guard to the rear. The guard and sub-fence (A) and sub-fence (B) will not only make contact and adversely affect cutting accuracy, this could also result in damage to the guard.

7. Position adjustment of laser line  
Ink lining can be easily made on this tool to the laser marker. A switch lights up the laser marker (Fig. 14).

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.

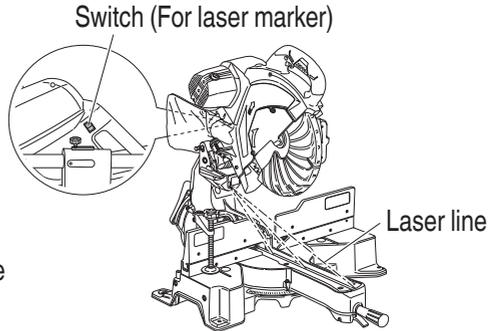


Fig. 14

- (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 "19. Groove cutting procedures" on page 55.
- (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. 15) When you align it with the right side of the saw blade, align the laser line with the right side of the groove.
- (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).

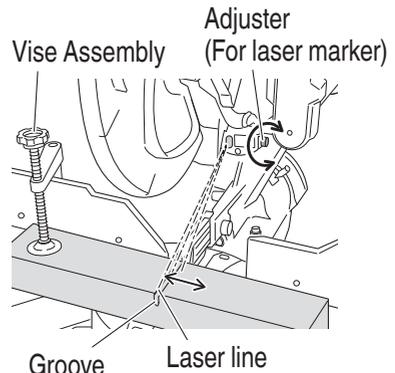


Fig. 15

# English

## 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. 16)

- 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.

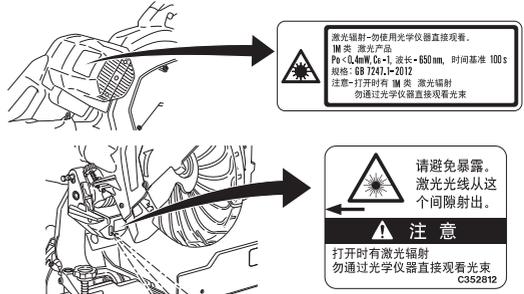


Fig. 16

## 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.
- 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 150 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. 17)

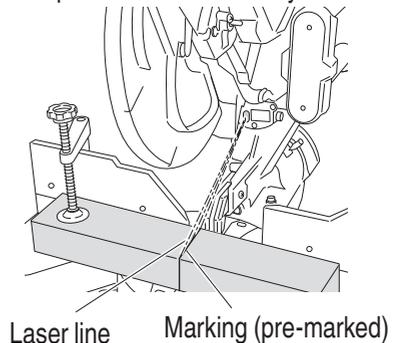
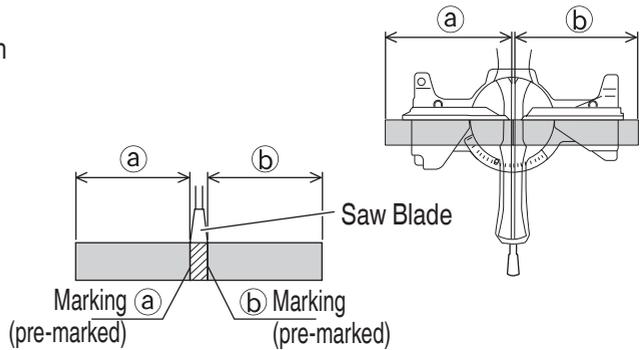


Fig. 17

## 8. Cutting operation

- (1) As shown in **Fig. 18** 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 **(b)** is desired, or to the left when length **(a)** 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. 18**

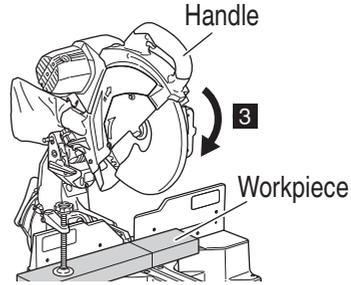
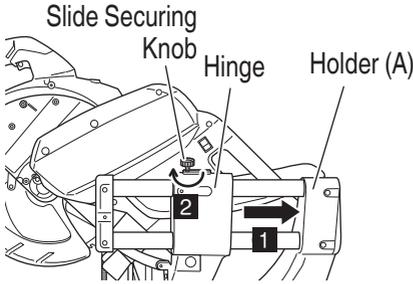
- (2) After turning on the switch and checking that the saw blade is rotating at maximum speed, slowly push down the handle and bring the saw blade in the vicinity of the material to be cut.
- (3) Once the saw blade contacts the workpiece, push the handle down gradually to cut into the workpiece.
- (4) 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.
- Continued cutting operation can result in overload of the motor. Touch the motor and if it's hot, stop your cutting operation once and rest for 10 minutes or so, and then restart your cutting operation.

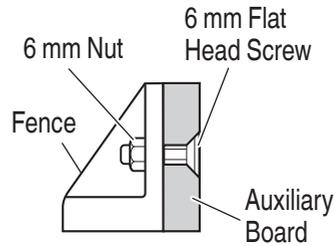
# English

9. Cutting narrow workpieces (Press cutting) (**Fig. 19**)  
Slide the hinge down to holder (A), then tighten the slide securing knob (**Fig. 2** on **page 37**). Lower the handle to cut the workpiece. Using the power tool this way will permit cutting of workpieces of up to 107 mm square.



**Fig. 19**

10. Cutting large workpieces (**Fig. 20, 21**)  
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 6 mm flat head screws and the 6 mm nuts using the 7 mm holes on the fence surface (two holes on each side). (**Fig. 20**)  
Refer to "SPECIFICATIONS" for the thickness of the auxiliary board.



**Fig. 20**

## NOTE

When cutting a workpiece exceeding 107 mm in height in right-angle cutting or 70 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 will not come in contact with the workpiece.



**Fig. 21**

- To adjust the lower limit position of the saw blade, follow the procedure (1) shown in **Fig. 21**.
- (1) Lower the motor head, and turn the 8 mm depth adjustment bolt and make adjustments so that there can be a clearance of 2 mm to 3 mm between the lower limit position of the motor head and the top of the workpiece at the saw blade's lower limit position where the head of the 8 mm depth adjustment bolt contacts the hinge.

## 11. Cutting wide workpieces (Slide cutting) (Fig. 22)

(1) Workpieces up to 107 mm high and 312 mm wide:  
Loosen the slide securing knob (A) (Fig. 2), 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 107 mm in height and 312 mm in width.

(2) Workpieces up to 120 mm high and 260 mm wide:

Workpieces of up to 120 mm in height and up to 260 mm in width can be cut in the same manner as described in paragraph 15-(1) above.

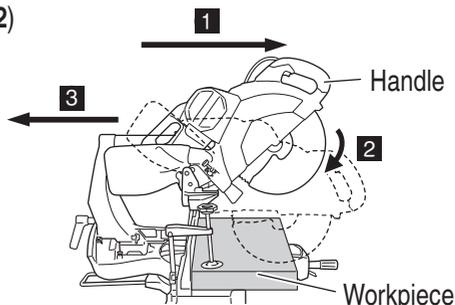


Fig. 22

**CAUTION**

- **When cutting a workpiece of 120 mm height, adjust the lower limit position of the motor head so that the gap between the lower edge of the motor head and the workpiece will be 2 to 3 mm at the lower limit position.**
- **If the handle is pressed down with excessive or lateral force, the saw blade may vibrate during the cutting operation and cause unwanted cutting marks on the workpiece, thus reducing the quality of the cut. Accordingly, press the handle down gently and carefully.**
- **In slide cutting, gently push the handle back (rearwards) in a single, smooth operation. Stopping the handle movement during the cut will cause unwanted cutting marks on the workpiece.**

**WARNING**

- **For slide cutting, follow the procedures. Forward slide cutting (toward the operator) is very dangerous because the saw blade could kick upward from the workpiece. Therefore, always slide the handle away from the operator.**
- **Always return the carriage to the full rear position after each crosscut operation in order to reduce the risk of injury.**
- **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.**

## 12. 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. 23).
- (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.
- (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. Therefore, to cut a workpiece at a grade of 2/10, set the indicator to position.

# English

## NOTE

- Positive stops are provided at the right and left of the 0° center setting, at 15°, 22.5°, 30° 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.

### 13. Bevel cutting procedures (Fig. 24)

- (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 (A) towards the rear. The clamp lever adopts a latching system. When contacting the work bench and the main body, pull the clamp lever in the direction of the arrow mark as illustrated in Fig. 24, and change the direction of the clamp lever.
- (2) Adjust the bevel angle to the desired setting while watching the bevel angle scale and indicator, then secure the clamp lever.

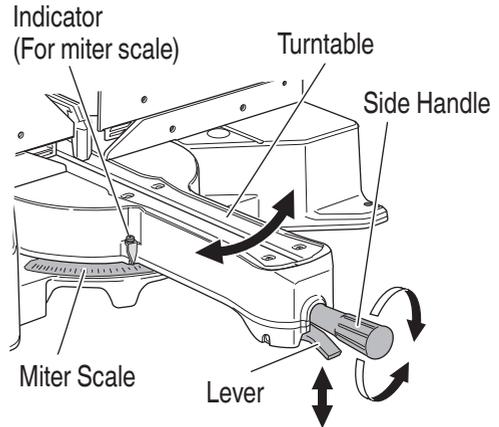


Fig. 23

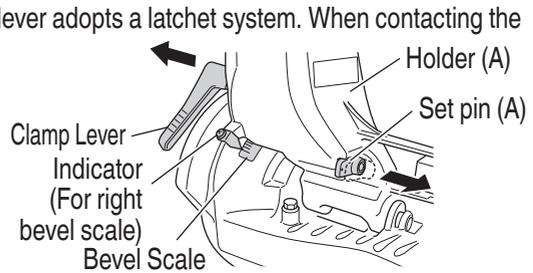


Fig. 24

## 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.

## CAUTION

When cutting a workpiece of 75 mm height in the left 45° bevel cutting position or a workpiece of 50 mm height in the right 45° bevel cutting position, adjust the lower limit position of the motor head so that the gap between the lower edge of the motor head and the workpiece will be 2 to 3 mm at the lower limit position (refer to "11. Checking the saw blade lower limit position" on page 43).

14. Compound cutting procedures  
Compound cutting can be performed by following the instructions in 12 and 13 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, slide the sub-fence (B) outward, and engage in the cutting operation.**

**In case of compound cutting (angle + bevel) by right bevel, remove the sub-fence (A), and engage in the cutting operation.**

15. 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 × 1300 mm, or  
180 mm × 25 mm × 2000 mm

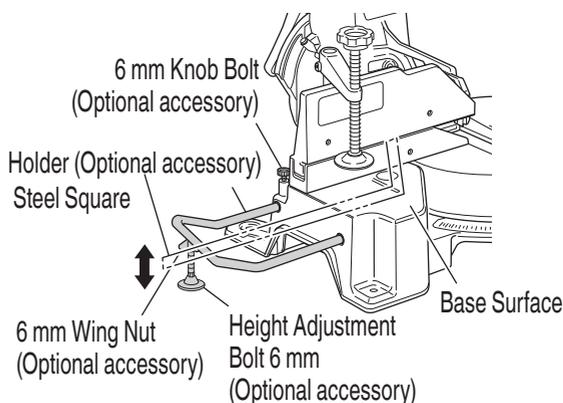
16. Installing the holders ... (Optional accessory)

The holders help keep longer workpieces stable and in place during the cutting operation.

- (1) As indicated in **Fig. 25**, 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.

- (2) After adjustment, firmly tighten the 6 mm 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.



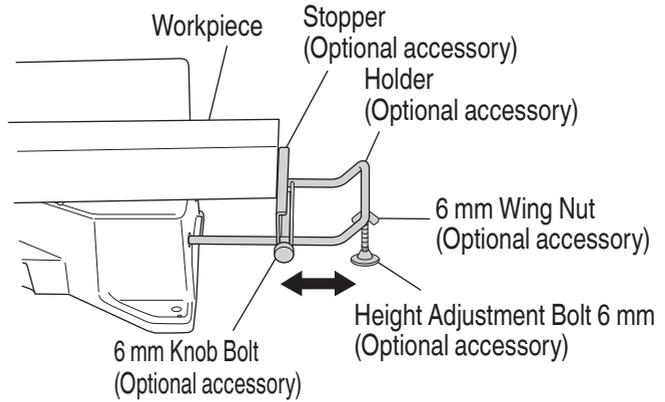
**Fig. 25**

## 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.**

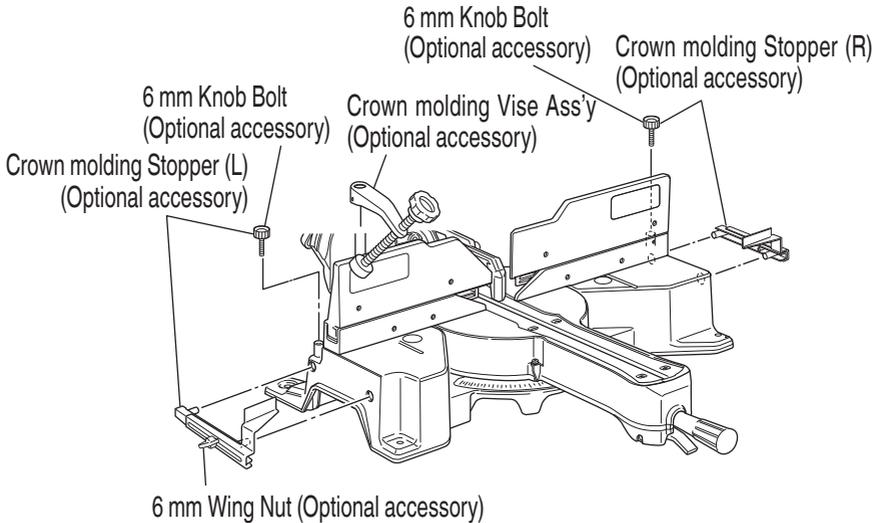
# English

17. Stopper for precision cutting (Stopper and holder are optional accessory)  
The stopper facilitates continuous precision cutting in lengths of 285 mm to 450 mm.  
To install the stopper, attach it to the holder with the 6 mm knob bolt as shown in **Fig. 26**.



**Fig. 26**

18. 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. 27**. After inserting tighten the 6mm knob bolts to secure the Crown molding Stoppers.
- (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.



**Fig. 27**

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 hex. socket set screw.  
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 (**Fig. 28**).

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. 28.

Adjust the crown molding Stoppers according to the size of the crown molding.

Tighten the 6mm wing bolt to secure the Crown molding Stoppers. Refer to the lower table for the miter angle. Use the sub fence (A) to secure the crown molding more firmly (Fig. 11 on page 45).

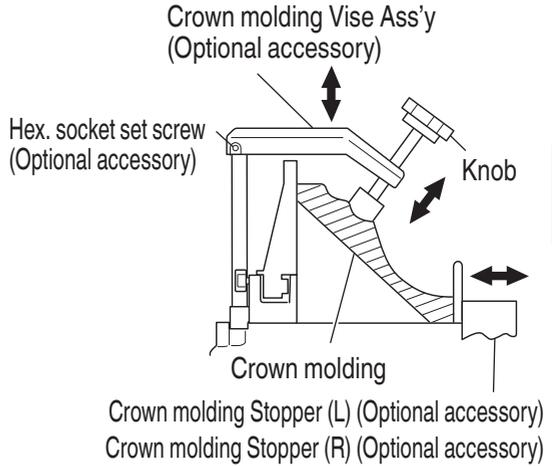


Fig. 28

**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 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 hex. socket set screw and move the crown molding vise ass'y to a position where it will not contact the saw blade.**

19. Groove cutting procedures  
Grooves in the workpiece can be cut by adjusting the 6 mm depth adjustment bolt (Fig. 29).

- (1) Turn the stopper holder on the direction shown in Fig. 30. 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. 29).

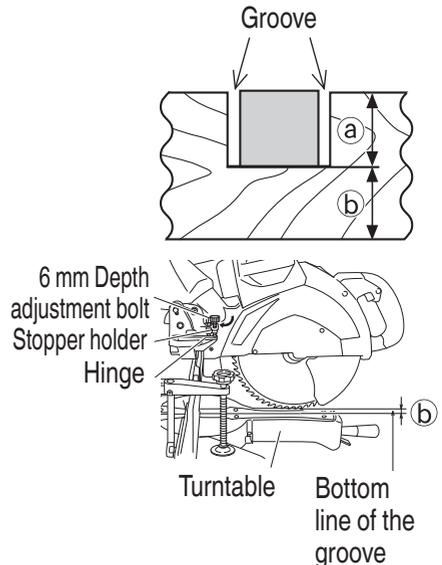


Fig. 29

**NOTE**

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

## English

20. Using the dust bag (Standard accessory) (Fig. 31)

- (1) Connect the dust bag with the duct of power tool.
- (2) When the dust bag has become full of sawdust, dust will be blown out of the dust bag when the saw blade rotates.

Check the dust bag periodically and empty it before it becomes full.

- (3) During bevel and compound cutting, attach the dust bag at the right angle to the base surface.

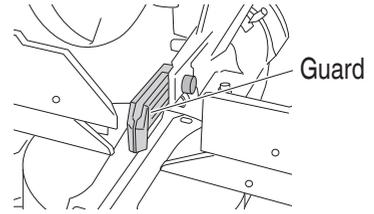


Fig. 30

21. Connecting the dust extractor (Sold separately) (Fig. 32)

Do not inhale the harmful dusts generated in cutting operation.

The dust can endanger the health of yourself and bystanders.

Use of dust extractor can reduce dust related hazards.

By connecting with dust extractor through adapter, joint and dust collection adapter, most of dust can be collected.

Connect the dust extractor with adapter.

- (1) Connect in order of hose (id 38 mm × 3 m long) and adapter (Dust extractor's Standard accessory) joint (Optional accessory) and dust collection adapter (Optional accessory) with the duct of power tool.

Connection is done by pressing in the direction of the arrow. (Fig. 32)

The dust collection adapter (Optional accessory) is fixed to the duct by a hose band. (Optional accessory)

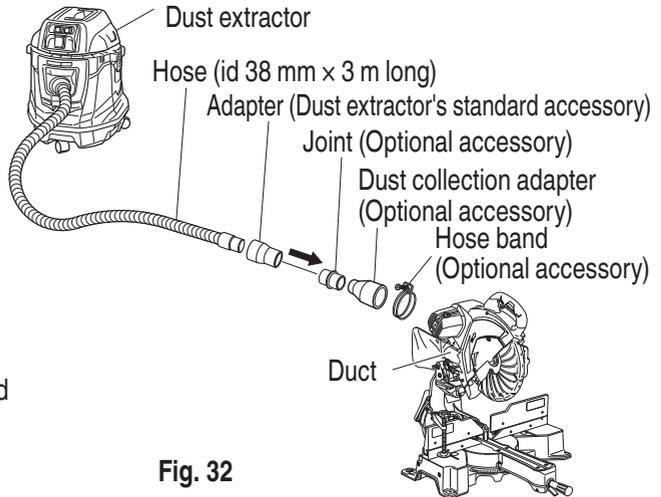


Fig. 32

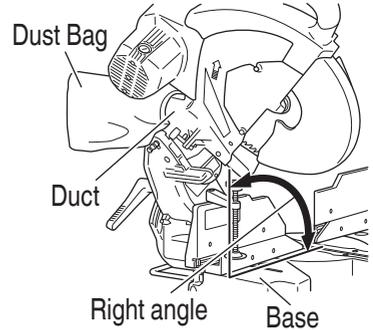


Fig. 31

## 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 saw blade.

## 1. Mounting the saw blade (Fig. 33)

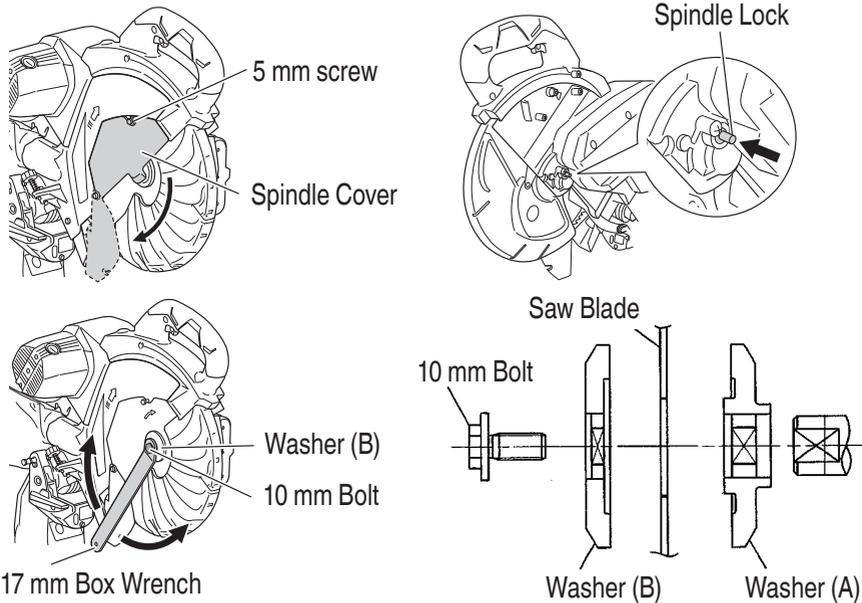


Fig. 33

- (1) Use the Phillips screwdriver to loosen the 5 mm screw fastening the spindle cover and then turn the spindle cover.
- (2) Press in spindle lock and loosen 10 mm bolt with 17 mm wrench (standard accessory). Since the 10 mm bolt is left-hand threaded, loosen by turning it to the right.

**NOTE**

If the spindle lock cannot be easily pressed in to lock the spindle, turn the 10 mm bolt with 17 mm wrench (standard accessory) 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.

**WARNING**

**When mounting the saw blade, confirm that the rotation indicator mark on the saw blade and the rotation direction of the spindle cover (Fig. 1 on page 36) are properly matched.**

- (5) Thoroughly clean washer (B) and the 10 mm bolt, and install them onto the saw blade spindle.
- (6) Press in the spindle lock and tighten the 10 mm bolt by turning it to the left by standard accessories (17 mm box wrench).
- (7) Rotate the spindle cover until hook in spindle cover is in the original position. Then tighten the 6 mm bolt.

## English

### CAUTION

- **A dust guide is installed inside behind the hinge. When removing or installing the saw blade, do not make contact with the dust guide. Contact may break or chip saw blade tips.**
  - **Tighten the 10 mm bolt so it does not come loose during operation.**
  - **Confirm the 10 mm 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 305 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.**

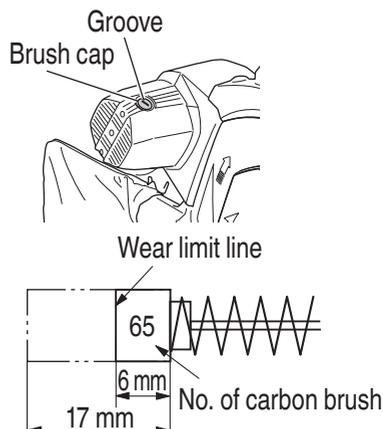
1. Inspecting the saw blade  
Always replace the saw blade immediately upon the first sign of deterioration or damage. A damaged saw blade can cause personal injury and a worn saw blade can cause ineffective operation and possible overload to the motor.

### 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. 34**)  
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. 34**

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 (**Fig. 6 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. Replacement of guard  
After long-term use, the blade slot in the guard may widen and require replacement. If the blade slot should widen, replace the guard with a new one (**Fig. 32 on page 56**). After replacing, make a groove on it. Refer to “PRIOR TO CUTTING 1. Cutting a groove on the guard” on page 44.
9. 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

## English

### 10. 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.

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.

## **CAUTION**

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

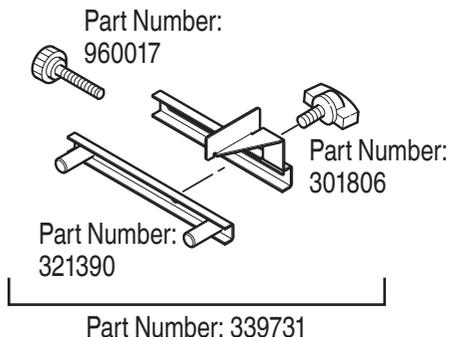
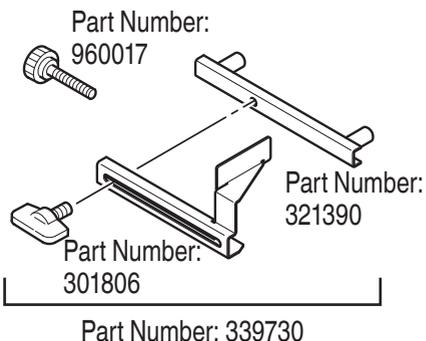
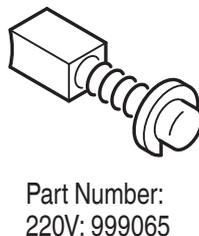
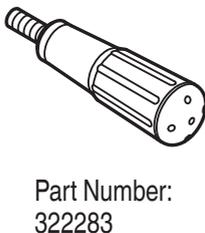
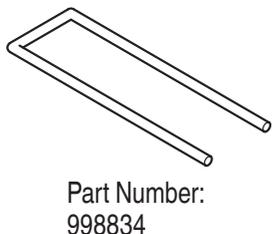
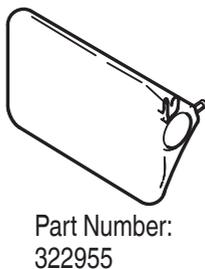
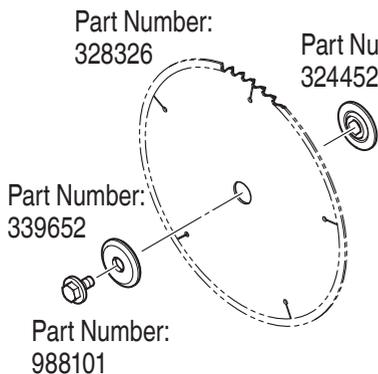
**Especially laser device should be maintained by the authorized agent by laser manufacturer.**

**Always assign the repair of laser device to HIKOKI Authorized Service Center.**

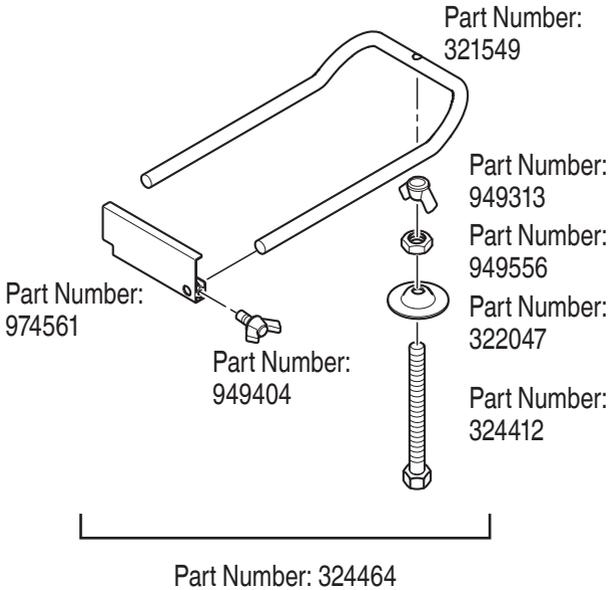
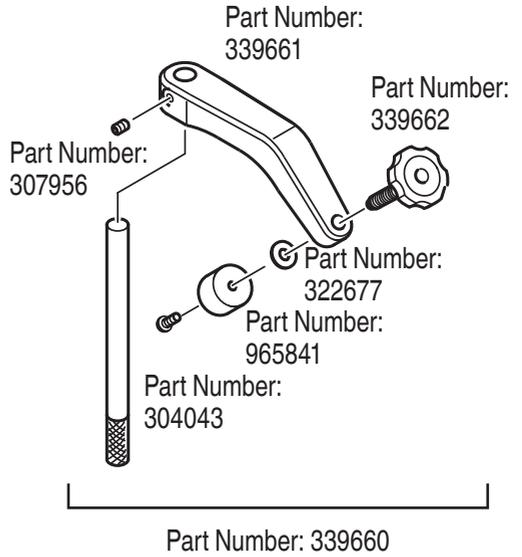
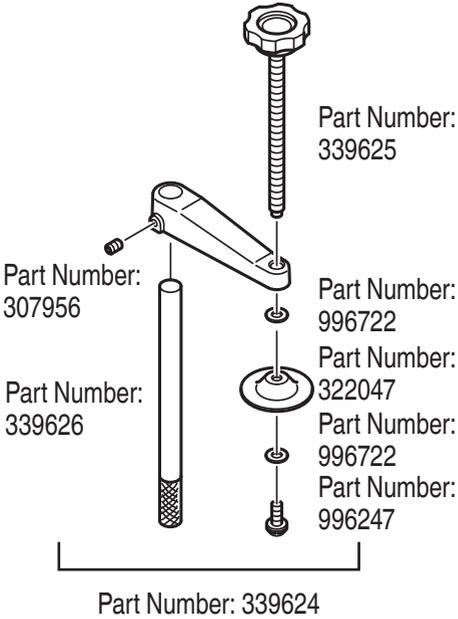
**In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.**

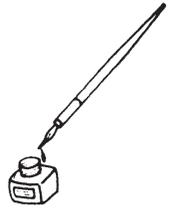
## SELECTING ACCESSORIES

Select accessories that are suited to a specific task.  
For details contact HiKOKI Authorized Service Center.



# English





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