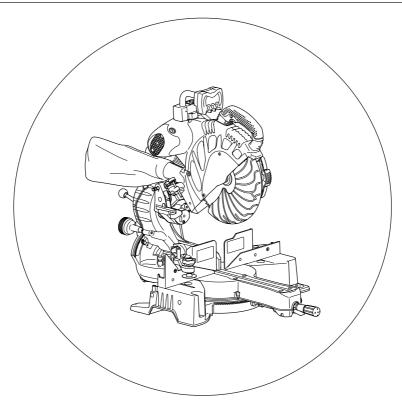
HITACHI

滑动复合式斜口锯 Slide Compound Miter Saw

C 12LSH • C 12RSH



保留备用 Keep for future reference



使用说明书 Handling instructions



目次

作业上的一般注意事项2	作业前准备10
使用复合式斜切锯须知3	作业之前11
符号6	切割之前12
部件名称6	实际应用19
规格7	锯条的安装及拆卸30
标准附件9	维护和检查31
选购件 (另售)9	维修及修理33
用途9	

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. 只能使用日立指定的更换零件。
- 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.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.请仅使用日立公司所推荐的锯条。
- 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. 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。
- 40. 在使用该电动工具之前,请阅读该手册并熟悉相关的安全条例及作业说明。
- 41. 在使用该电动工具之前,请务必确认其是清洁的。
- 42.在操作该电动工具时,请务必穿着紧身衣物、防滑胶鞋(最好带有钢包头) 以及安全眼镜。
- 43.请谨慎操作该电动工具。如果电动工具掉落或碰撞硬物,则可能发生变形、 破损或遭受其他损害。
- 44. 如发现任何异常,请务必立即停止操作复合锯。
- 45. 在使用该工具之前,请务必确认所有部件已正确、牢固地安装。
- 46. 更换锯条时, 请务必确认的新锯条的 rpm 额定值适合于该工具。
- 47. 在进行任何维护或调节之前,请务必关闭电源并等待锯条完全停止转动后方可进行。
- 48. 在进行切割作业时,操作员务必将锯条朝外推。
- 49. 在进行斜接切割或斜角切割时,在锯条完全停止转动之后,方能升高锯条。
- 50. 在尝试复合锯的任何新用法之前,请务必先进行试运行。
- 51.在安装及拆卸锯条时,请谨慎操作锯条。
- 52. 在开始切割之前,请务必确认工件上无铁钉或其他异物。
- 53.请务必不要将手置于锯条运行的路线上。
- 54. 在使用复合锯之前,请务必确认其下护罩锁位于正确位置上。
- 55. 在尝试滑动切割之前,请务必确认下护罩锁不会妨碍滑动动作。
- 56.线缆应定期检查。
- 57. 在使用该工具之前,请务必确认电动机排气孔完全打开。
- 58.在开始切割之前,请务必耐心等待至电动机达到全速运转。
- 59. 切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。
- 60. 当穿着松散衣物、佩带领带或珠宝,或者未罩笼头发时,切勿操作该工具,以防卷入转动的机器中。
- 61.使用该工具时切勿卸除防护装置及锯条安全罩,否则将十分危险。
- 62. 切勿锁定下护罩,在使用该工具之前请务必确认下护罩能够平滑地移动。
- 63. 切勿损坏工具线缆。
- 64. 当手指位于触发器上时,切勿试图移动已连接电源的电动工具。
- 65. 切勿在易燃液体或气体附近使用该电动工具,因为火花可能导致爆炸。
- 66. 不可使用溶剂擦拭塑料零件,因为塑料可能发生溶解。
- 67.在锯条完全停止之前,切勿提起锯条。
- 68. 在进行滑动切割时,切勿将手柄拉向操作员,否则可能导致锯条从工件中跳出。操作员请务必以单一、平滑的动作将手柄向外推。

符号

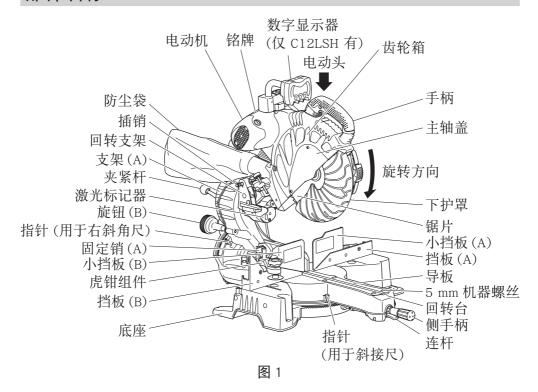
警告!

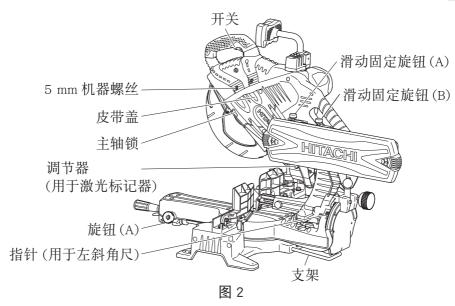
如下所示的符号用于本机。使用前请务必理解其含意。



为降低伤害风险,用户必须阅读使用说明书

部件名称





规格						
物品	型号		C12LS	H / C1	2RSH	
电动机	类型		系列整	·流式 ·	电动机	
	电压(V)		(220V) ~		
W. I. I	输入功率		1520			
激光标记器	最大输出				激光产品	
	波长		400 -		nm	
<u>₩. → □ → □ //→ चा /</u>	激光介质		激光二			
数字显示器(仅型	号 C12LSH 有)		精度:			
适用 锯条			外径 3 孔径 2	305 mi 25.4 m	n m	
空载转速			4000 /			
最大		电动头	回转台		最大锯切片	7
锯切	斜接	0	0		最大高度	107 mm
尺寸					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°		最大高度	
			_或者 右 45°		最大宽度 或	220 mm
			H *0	*	最大高度	120 mm
					最大宽度	180 mm
				连同	辅助板	25 mm

最大		电动头	回转台	最大锯切片	<u> </u>
锯切	斜接	0	右 57°	最大高度	107 mm
尺寸				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
	复合	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 , 立立	
				* 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
		4		_连同辅助板)° - 57°	25 mm
斜接锯切范围		T 00	100 7 0	10 [70	
斜角锯切范围		左 0° - 左 0° -)° — 57°)° — 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	C12LSH 30 kg C12RSH 29 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 19 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 21 页 (见图 31)的 "5 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 (针对木材)	or some	1
防尘袋 关于使用详情,请参见第 29 页。		1
虎钳组件 W/ K 旋钮螺栓 关于使用详情,请参见第 19 页。		1
17 mm 套筒扳手		1
支架 关于使用详情,请参见第 10 页。		1

选购件(另售)

- ① 扩展支架和止动片
- ② 冠状模塑虎钳组件(包括冠状模塑止动片(左))
- ③ 冠状模塑止动片(左)
- ④ 冠状模塑止动片(右)

用途

木材或铝框格。

作业前准备

在操作该电动工具之前,请做好以 下准备:

1. 安装

按照图 3 所示,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 65 mm 或更大的螺栓。

安装到底座背面的支架能够帮助稳定电动工具。

支架调节 (图 4):

用 10mm 套筒扳手松开 6mm 螺栓。调节支架直至其底面接触工作台表面。

调节结束后,须拧紧 6mm 螺栓。

2. 松开锁定插销(图 5)

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。

注:

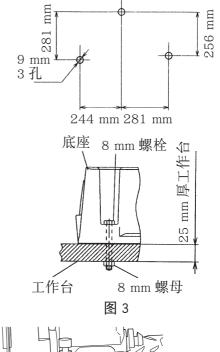
将手柄稍稍降低,可更轻松、更安 全地使锁定插销脱落。

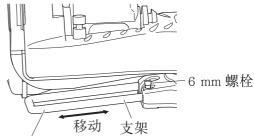
锁定插销的锁定位置仅供运输及储存之用。

3. 安装防尘袋、支架、止动片以及虎 钳

(支架及止动片为选购件。)

按第6页的图1及第7页的图2 所示,安装防尘袋及虎钳组件。





调节支架直至其底面接触工作台表面。 图 4



作业之前

1. 确认电源是否适用于该工具。

警告!

确认所使用的电源与工具铭牌上标示的规格是否相符,如不相符则切勿将该电动工具连接到该电源上。

切勿将该电动工具连接到直流电源上。

2. 确认电源开关已切断。

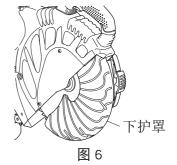
警告

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. 检查锯条是否有可见缺损。 请确认锯条无裂缝或其他可见损坏。
- 4. 请确认锯条已稳固地安装到该电动工具上。 使用所提供的 17 mm 套筒扳手将 10 mm 螺栓拧紧到锯条主轴上以固定锯条。 有关详情,请参见第 30 页的"锯条的安装及拆卸"部分的图 54-a、 图 54-b、图 54-c 以及图 54-d。
- 5. 为了安全作业,请检查下护罩。(图 6) 下护罩设计于保护操作员在操作该工具时不接触 锯条。 请务必检查下护罩能够平滑地移动并正确地笼罩 锯条。

警告!

如下护罩不能平滑地运行,则切勿操作该电动工 具。



- 6. 在使用该工具之前请确认主轴锁位置。 安装锯条后,在使用该工具之前请确认主轴锁回到收回位置。(参见**第**7页的图 2)
- 7. 请检查锯条的下限位置。 尽管锯条的下限位置在出厂时已进行调节,仍须仔细检查锯条高度。请确认 锯条能够降到导板以下的 9 mm 至 11 mm 位置。有关详情,请参见"检查锯 条下限位置"部分。
- 8. 检查电源插座。 为防止过热、意外停机或间歇性作业,请确认电源线插头已正确地连接到电源插座,并在插入后不会掉出。如电源插座有问题,请对其进行修理或更换。

9. 请确认该工具的电源线无损坏。 如通过检查发现电源线损坏,请对其进行修理或更换。

将电源插头连接到适当的交流电源后,请按照以下各条检查该工具的作业情况:

10.试运行

在尝试切割作业以前,请在确认身后没有站人后,运行该电动工具并确认没有作业异常。

11.检查锯条的旋转稳定性。

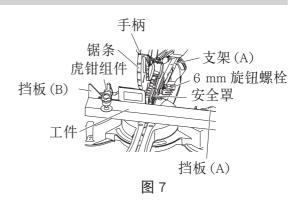
为了能够精确切割,请旋转锯条并检查是否偏斜,以确认锯条无明显不稳; 否则可能发生颤动并导致事故。

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 7)。

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。



注意!

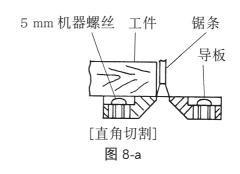
请勿过快切割凹槽,否则安全罩可能会受损。

2. 放置导板

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。

(1) 直角切割 (图 8-a)

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 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 按照直角切割相同的步骤,以图 8-b 和图 8-c 所示方式调节导板。

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。

3. 检查锯条的下限位置

如图 9-a 所示,检查锯条是否可以降低到导板以下 9 mm 至 11 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 9-b)

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。

4. 切割较大工件时锯条的下限位置

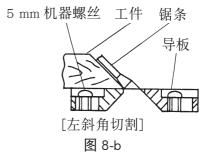
注:

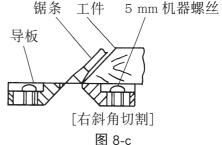
直角切割工件的高度超过 107 mm, 左斜角切割工件的高度超过 70 mm

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 (见图 9-a)不会与工件接触的原则调节下限位置。

如需调节锯条的下限位置,请遵照图 9-a 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。





8 mm 深度 调节螺栓 -回转支架⁻

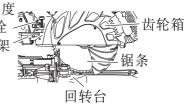
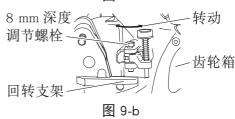


图 9-a



5. 确认使用副挡板(A)

警告!

进行右斜角切割时,请顺时针转动副挡板(A)。如果没有顺时针转动,则主体或锯条可能与副挡板(A)接触,从而导致伤害。

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。进行左斜角切割时,请将副挡板(A)升高,如图 10 所示,然后顺时针转动。

6. 确认使用副挡板(B)

警告!

在左斜角切割中,请逆时针旋转副挡板(B)。如果不是逆时针旋转,主机或锯片可能与副挡板(B)接触,从而引起伤害。

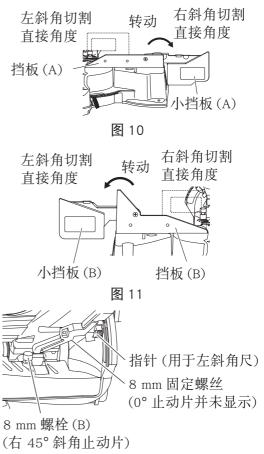
本电动工具配备有副挡板(B)。 在直接角度切割和右斜角切割中,请使用副挡板。在左斜角 切割中,请将副挡板升高,如 图 11 所示,然后逆时针旋转。

7. 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。

将斜角改为右 45°时,按照图 12-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 12-b 所示。



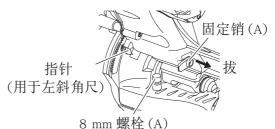


图 12-a

(左 45° 斜角止动片)

图 12-b

14

8. 固定工件

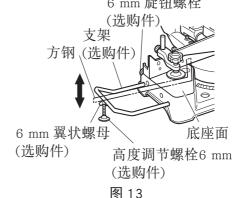
警告!

务必夹紧或用虎钳将工件固定到挡板上,否则工件可能从台上冲出并造成人身伤害。 6 mm 旋钮螺栓

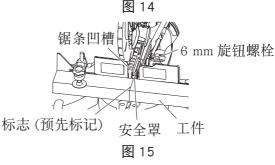
- 9. 安装支架(选购件) 在切割操作中,支架可用于 延长工件台并使之保持正确 位置。
- (1)如图 13 所示,使用方钢来对 齐支架的上缘与底座面。松 开 6 mm 翼状螺母。旋转高度 调节螺栓 6 mm,并调节支架 的高度。
- (2)调节后,旋紧6mm翼状螺母并用6mm旋钮螺栓(选购件)固定支架。如高度调节螺栓6 mm的长度不足,则在其下方放置一块薄板。高度调节螺栓6 mm的末端不得从支架中突出。
- 10.精密切割的止动片(止动片与支架为选购件) 止动片有助于长度为 285 mm 至 450 mm 的连续精密切割。 安装止动片时,按照图 14 所示,用 6 mm 翼栓将其与支架连接。
- 11.使用墨线
- (1) 直角切割

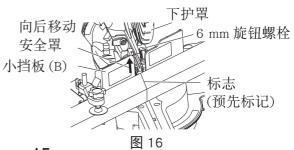
松开 6 mm 旋钮螺栓并让安全罩的尖端与工件接触。 将工件上的墨线与安全罩凹槽对齐的同时,在墨线上切割工件(图 15)。

(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(图 16)。



工件 止动片 (选购件) 支架 (选购件) 6 mm 旋钮螺栓 (选购件)





15

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下至收回位置。锯条旋转时, 切勿提起下护罩。直角或 并影响切割精度,还可能损坏安全罩。

12.激光线的位置调节

- 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!

- 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。眼睛直接暴露干激光束时可能 受伤。
- 〇 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讲行切割。
- 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。

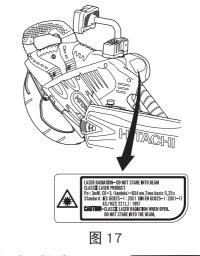




图 18

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 19)。

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。

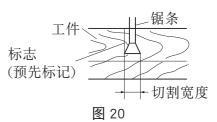
出厂时激光线被调节至锯条宽度。请按 照您的使用选择,进行下列步骤以调节 锯条及激光线的位置。

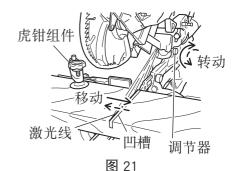
- (1) 点亮激光标记器,并在工件上刻出一条约5 mm 深的凹槽,其高度约为20 mm,宽度约150 mm。用虎钳把刻有凹槽的工件固定在原位,不要移动。关于开槽作业,参见第28页的"13.凹槽切割步骤"。
- (2)然后转动调节器并移动激光线。(如果顺时针转动调节器,则激光线将向右移动;如果逆时针转动调节器,则激光线将向左移动。)如果使用时墨线与锯条的左侧对齐,则将激光线与凹槽的左端对齐(图 21)。如果墨线与锯条的右侧对齐,则将激光线与凹槽的右侧对齐。
- (3) 调节激光线的位置之后,在工件上画出一条直角墨线,并将墨线与激光线对齐。对齐墨线时,应一点一点地滑动工件,并在激光线与墨线重叠的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。

注:

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 22)





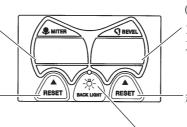




标志 (预先标记) 图 22

13. 数字显示器面板 (适用于 C12LSH)

斜接角度窗口 (显示箭头表明回转台旋 转的角度和方向。向左为、 ←,向右为→。)



斜角角度窗口 (显示箭头表明电动头斜 角角度和斜角方向。向 左为 ←,向右为 →。)

斜角角度复位按钮

背光开 / 关开关 (按下开关点亮,再次按下灯光熄灭。) 图 23

(1)打开数字显示器开关,显示斜接和 斜角角度均为0°,而不管电动工 具的角度为多少。

斜接角度复位按钮

- (2)将电动工具角度与倾斜角度(0°)和斜角角度(0°)对准,并按住它们的复位按钮至少0.2秒。
- (3) 在数字显示器开关处在开位置时打 开激光标记器开关,点亮激光标记器(C12RSH 上只有激光标记器开 关)。



图 24-a

注意!

操作数字显示器面板时,请使电动头部分处在高度上限位置并使锯条停止。

注:

- 〇 开始切割前,请将电动工具与斜接角度(0°)和斜角角度(0°)对准,并按住它们的复位按钮至少0.2秒。如果在没有将电动工具对准到0°时按下数字显示器的开关,则数字显示器上显示的数字与电动工具角度将不匹配。
- 如果数字显示器开关关闭,激光标记器将不会亮起。(仅 C12LSH 有)
- 请勿在会产生电气噪声的设备,如发电机等附近使用电动工具。电气噪声可能引起数字显示器读数或操作错误。

注意!

如果斜接角度数字显示器上显示的数字与前挡板角度不同(例如, 45.0°→45.5°, 31.6°→32.0°),则前挡板可能已经稍微偏离了其正确位置。此时,执行以下步骤。

(1) 松开侧手柄, 左右移动回转台, 将回转台设置在正确的位置。

(2) 如果显示器上的数字与前挡板角度仍然不匹配,则使回转台回到0°位置。然后松开侧手柄,左右移动回转台,如图24-b所示。在将回转台设置在正确位置0°之后,再按复位按钮,如图23所示。



将回转台左右移动,松开侧 手柄并将其调到合适位置。

图 24-b

实际应用

警告!

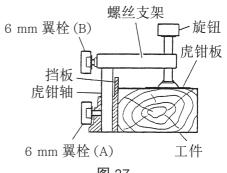
- 为避免人员受伤,使用工具时切勿从台上移走工件或把工件放在台上。
- 使用工具时切勿使四肢进入警告 标志旁边的线内,否则可能发生 危险(见图 25)。
- 1. 开关操作(图 26) 拉动触发器打开开关,松开触发器便可将其关闭。 松开触发器之后,确认触发器已经完全返回且开关关闭。
- 2. 使用虎钳组件(标准附件)
- (1)可拧松 6 mm 翼栓(A),将虎钳组件安装在左挡板〔挡板(B)〕或右挡板〔挡板(A)〕。
- (2)根据工件的高度,可拧松 6 mm 翼栓(B)来升高或降低螺栓支架。 调节结束后,须拧紧 6 mm 翼栓 (B)并固定螺栓支架。
- (3)转动上旋钮并将工件固定于适当位置。(图 27)



图 25



图 26



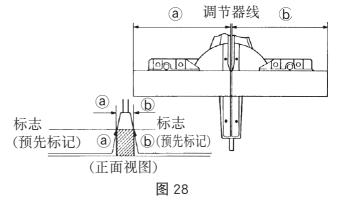
警告!

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(见第 6 页的图 1)。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。

- 3. 切割操作



- (2) 锯条达到最大速度后,小心地压下手柄,直至锯条接近工件。
- (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!

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。

警告

- 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。
- 抓住数字显示器时(第 6 页的图 1),请勿操作电动头部分或提起电动工具, 否则会损坏数字显示器。

4. 切割窄工件(按压切割)

如图29所示,将回转支架向下滑 动至支架 (A), 然后旋紧滑动固定 旋钮 (A)/(B) (见第7页的图 2)。 降低手柄来切割工件。

以该方式使用电动工件允许切割 最大 107 mm² 的工件。

5. 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 30)

关于辅助板厚度,参见第7页的"规 格"。

- 6. 切割宽工件(滑动切割)
- (1) 最高 107 mm 且最宽 312 mm 的工 件:

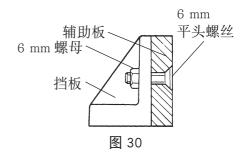
松开滑动固定旋钮(A)(见第 7 页 的图 2), 抓住手柄并向前滑动锯 条。

然后如图 31 所示, 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。

回转支架 手柄 按压 支架(A) 图 29



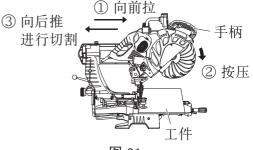


图 31

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, 请轻轻地日缓慢地按压手柄。
- 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,请遵照第 21 页的图 31 中以上所述的步骤。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。

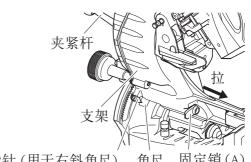
7. 斜角切割步骤

(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 32 所示的箭头标记拉动夹紧杆,然后改变夹紧杆的方向。

(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。



指针(用于右斜角尺) 角尺 固定销(A)

图 32

(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 7 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"3. 检查锯条的下限位置")。

- 8. 斜角角度微调
- (1)握紧电动头上的手柄,将它定位 在所需的斜角角度。临时紧固夹 紧杆。

注意!

如果紧固得不够牢, 电动头可能 突然移动或滑落, 从而引起伤害。 请务必牢牢地紧固电动头, 使它 不会移动。

(2) 对斜角进行微调时,请在用手支撑手柄的同时转动旋钮(B)。

注:

顺时针转动旋钮 (B) 将使电动工 具向左微调 (从前方看)。

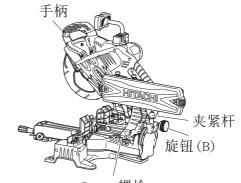
逆时针转动旋钮 (B) 将使电动工 具向右微调 (从前方看)。

(3) 调整到所需角度后,紧固夹紧杆并夹紧电动头。

注意!

须始终检查夹紧杆是否紧固以及 电动头是否夹紧。如果没有夹紧 电动头就试图进行角度切割,则 电动头可能发生意想不到的偏 移,从而引起伤害。

- 9. 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 35)。
- (2)重新拧紧侧手柄,确保回转台处 于所需位置。
- (3)斜接尺(图 36)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 (见图 36)。



8 mm 螺栓

图 33

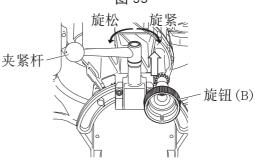


图 34

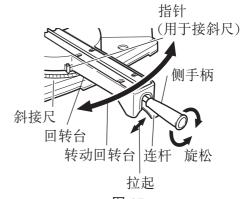


图 35

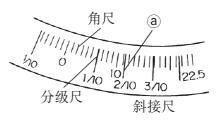


图 36

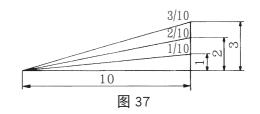
(5) 因此,如需以 2/10 级切割工件,请 将指针设定至**第 23 页的图** 36 所示 的位置。

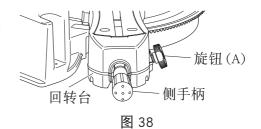
注:

○ 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锯, 会造成切割精度低下。
- 10.斜接角度微调
- (1)将回转台旋转至所需的斜接角度。
- (2)对斜接角度进行微调时,请拉起连 杆的同时转动旋钮(A)(图 38)。





注:

顺时针转动旋钮(A)时,可以向右微调回转台。逆时针转动旋钮(A)时,可以向左微调回转台。

(3) 调节至所需角度之后, 旋紧侧手柄。

注意!

务必检查侧手柄是否固定以及回转台是否夹紧。

如果在没有夹紧回转台的情况下试图进行角度切割,则回转台可能会发生意想不到的偏移,从而造成受伤。

11.复合切割步骤

您可以按照以上第 10 和第 11 步的说明进行复合切割。关于复合切割的最大尺寸,参见第 7 页的"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台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, 逆时针转动副挡板 (B), 并进行切割操作。

右斜角进行复合切割 (角度 + 斜角) 时, 逆时针转动副挡板 (A), 并进行切割操作。

A) 上表面顶

图 39

(2)

图 40

内角

B)下表面

外角

θ°

壁

顶

12.冠状模塑切割步骤

图 39 显示两种通常角度为(q) 38°和 45°的冠状模塑类型。

关于典型的冠状模塑装配,参见**图** 40。

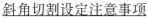
下表给出了适用于两种冠状模塑类型的斜接角度和倾斜角度设定。

注:

为了方便起见,配备了用于斜接设定(左右 31.6°)位置的前挡板。

斜接切割设定注意事项

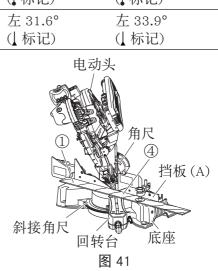
作业开始之前,如果回转台已经设定至 所述的某个角度,则请将回转台调节侧 手柄稍稍左右移动,固定位置并将斜接 角尺和指针顶端正确对齐。



将斜角部分上的夹紧杆向左倾斜,并检查位置是否稳定,以及角尺和指针尖端是否对齐。然后拧紧夹紧杆。

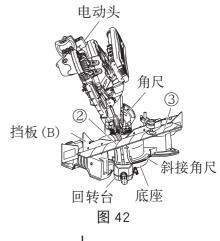
冠状 模塑	如需在图 40 中的位置①和④加工冠状模塑		如需在图 40 中的位置②和③加工冠状模塑	
类型	斜接角度	斜接角度	斜接角度	斜接角度
	设定	设定	设定	设定
45 [°]	右 35.3°	左 30°	左 35.3°	左 30°
类型	(↓标记)	(↓标记)	(↓标记)	(↓标记)
38 [°]	右 31.6°	左 33.9°	左 31.6°	左 33.9°
类型	(┧标记)	(┧标记)	(ૣ 标记)	(┧标记)

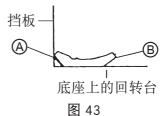
- (1) 在图 40 中的位置①和④切割冠状模塑的设定(参见图 41,将电动头向左倾斜):
 - ① 将回转台向右转动并按以下要求设 定斜接角度:
 - * 对于 45° 类型的冠状模塑: 35.3°(标记)



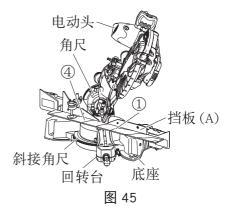
- ② 将电动头向左转动并按以下要求设 定斜角角度:
 - * 对于 45°类型的冠状模塑: 30°(k 标记)
 - * 对于 38°类型的冠状模塑: 33.9°(1标记)
- ③ 放置冠状模塑,如图 43 所示,使上 表面(第 25 页的图 39 中的 A)接触 挡板。
- (2) 在第 25 页的图 40 中的位置②和③切割冠状模塑的设定(参见图 42,将电动头向左倾斜):
 - ① 将回转台向左转动并按以下要求设 定斜接角度:
 - * 对于 45° 类型的冠状模塑: 35.3°(1标记)
 - * 对于 38°类型的冠状模塑: 31.6°(√标记)
 - ② 将电动头向左转动并按以下要求设 定斜角角度:

 - * 对于 38°类型的冠状模塑: 33.9°(标记)
 - ③ 放置冠状模塑,如图 44 所示,使下表面(第 25 页的图 39 中的 B)接触挡板。
- (3) 在第 25 页的图 40 中的位置①和④切割冠状模塑的设定(参见图 45,将电动头向右倾斜):
 - ① 将回转台向右转动并按以下要求设 定斜接角度:
 - * 对于 45° 类型的冠状模塑: 35.3°(ki) 标记)
 - * 对于 38°类型的冠状模塑: 31.6°(\ 标记)
 - ② 将电动头向右转动并按以下要求设定斜角角度:
 - * 对于 45° 类型的冠状模塑: 30°(↓标记) * 对于 38° 类型的冠状模塑: 33.9°(↓标记)









- ③ 放置冠状模塑,如图 47 所示, 使上表面 (第 25 页的图 39 中的 B)接触挡板。
- (4) <u>在第 25 页的图 40 中的位置②和</u> <u>④ 切割冠状模塑的设定(参见</u> 图 46,将电动头向右倾斜):
 - ① 将回转台向右转动并按以下 要求设定斜接角度:
 - * 对于 45° 类型的冠状模塑: 35.3°(1 标记)
 - ② 将电动头向右转动并按以下 要求设定斜角角度:
 - * 对于 45°类型的冠状模塑: 30°(标记)
 - * 对于 38°类型的冠状模 塑: 33.9°(↓标记)
 - ③ 放置冠状模塑,如图 48 所示,使上表面(第 25 页的图 39 中的 A)接触挡板。

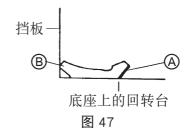
无须倾斜锯条切割冠状模塑的方法

- (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 49-a 所示。插入后旋紧 6 mm 旋钮螺栓,以固定冠状模塑止动片。 「使用选购件]
- 冠状模塑虎钳组件(包括冠状模塑 止动片(L))
- 冠状模塑止动片(L)
- 冠状模塑止动片(R)
- (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

电动头 角尺 挡板 (B) 3 斜接角尺底座 回转台

图 46



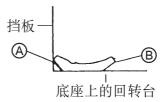


图 48

冠状模塑 虎钳组件 (选购件) 6 mm 旋钮螺栓 冠状模塑止动片 6 mm 旋钮螺栓 (L)(选购件) 图 49-a

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。

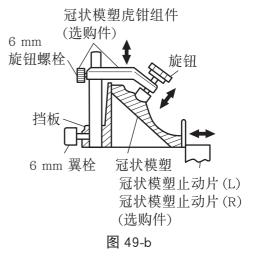
调节高度后,旋紧 6 mm 翼栓,然后按照需要旋转上部旋钮,以可靠地连接冠状模塑(见图 49-b)。

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。

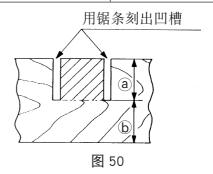
放置冠状模塑时,使其壁接触缘贴紧导引挡板,而其顶接触缘贴紧冠状模塑止动片,如图 49-b 所示。根据冠状模塑的大小来调节冠状模塑止动片。 旋紧 6 mm 翼栓以固定冠状模塑止动片。

关于斜接角度,请参考下表。

	第 25 页的图 40 中的位置	斜接角度	成品工件
对于内角	1	右 45°	除去锯条的右侧
刈 1 圴 用	2	左 45°	除去锯条的左侧
对于外角	3	丘 45	除去锯条的右侧
N J 217用	4	右 45°	除去锯条的左侧

13.凹槽切割步骤

如图 50 所示,工件上的凹槽可通过调节 6 mm 深度调节螺栓刻出。



调节刻入深度的步骤:

(1)按照图 51 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(5 mm 深度调节螺栓头接触回转支架。)

(2)通过设定锯条与回转台表面之间的距离调节至想要的刻人深度(参见图 50 中的 b)。

6 mm 深度 调节螺栓 止动片支架 回转支架 回转支架 凹转台 凹槽的底线

图 51

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。

14.切割易变形材料,如铝框格

铝框格等材料在虎钳组件中被过于 拉紧时很容易发生变形。这将导致 切割效率低下,并可能导致电动机 过载。

在对这样的材料进行切割时,请如图 52-a 所示使用一块木板保护工件。将木板放到切割部分附近。

在切割铝质材料时,将锯条涂上切削油(不可燃)以获得顺畅的切割及优良成品。

另外,当工件为U形时,请如图 52-b 所示使用木板以确保横向稳定,在工件的切割部分附近夹住木板,同时使用虎钳组件和市售夹具夹紧木板。

- 15.如何使用防尘袋(标准附件)
- (1)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。

(2)在斜角与复合切割时,按照图 53 所示,将防尘袋与底座面成直角安 装。

注意!

经常清空防尘袋,以避免管道及下护罩被堵塞。

斜角切割时,锯末的积累速度比正常情况下更快。

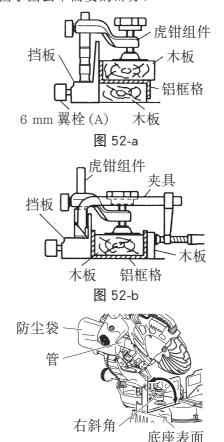


图 53

锯条的安装及拆卸

○ 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。

如进行切割时 10mm 螺栓未充分旋紧,则 10mm 螺栓可能松动,锯片可能脱

落, 而下护罩可能受损, 从而引起伤害。 此外, 在将电源插头插入插座前, 应检 查 10mm 螺栓是否正确旋紧。

- 如使用 17 mm 套筒扳手 (标准附件) 以外 的其他工具来连接或拆除 10 mm 螺栓, 则会过度或错误地旋紧, 从而引起伤 害。
- 1. 安装锯条 (图 54-a, 图 54-b, 图 54-c 与 图 54-d)
- (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 套筒扳手 (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,如图 54-c 所示。

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 套筒 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。

安装锯片时,确认锯片上的旋转指针标 志与主轴盖 (见第 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, 并用标准附件扳手(17 mm 套 筒扳手)将 10mm 螺栓向左转动以旋紧,如 图 54-c所示。





图 54-b



图 54-c

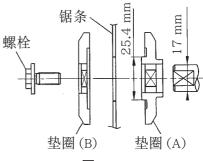


图 54-d

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。
- 在安装或拆卸锯条以后,请确认主轴锁已回到收回位置。
- 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。

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。 请务必安装直径为 305 mm 或更小的锯条。

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。

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 检查炭刷

为确保您的持续安全以及防止触电,对炭刷的检查和更换仅能由日立授权的维修中心进行。

3. 关于电动机的维护(见**第 6 页的图 1**) 电动机绕线是本工具的核心。切勿使其暴露于清洗油或水而令绕线受损。

注:

灰尘等在电动机内的积累可引起故障。

使用电动机约50小时后,应进行无负载运行,并从电动机后部的风孔中吹入于燥的空气。此操作对于排除灰尘等较为有效。

4. 检查螺丝

定期检查电动工具的各个部件是否存在松动情况。重新旋紧任何松动的零件。

警告!

为了避免人身伤害、切勿在有松动部件时使用电动工具。

5. 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 11 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。

6. 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。
- 7. 更换安全罩(图 55)

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。参见第9页上的"1.在安全罩上刻出凹槽"。

8. 更换橡胶 V 型皮带 (图 56)

电动机的功通过一条橡胶V型皮带传递到锯条。当皮带断裂或破损时,请松开 4 颗5 mm 螺丝(参见第 7 页的图 2),取出破损皮带并更换一条新皮带。

将皮带装到皮带轮上时,请首先将橡胶 V 型皮带的 2 或 3 齿装到皮带轮 (A) 及皮带轮 (B) 的凹槽上,然后转动皮带轮 (A) 及皮带轮 (B),将皮带的所有 13 齿全部装到皮带轮上。

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 (第 6 页的图 1 与第 7 页的图 2)。

请使用推荐的机油。

注油位置:

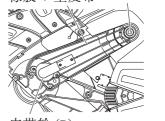
- * 回转支架的转动部分
- * 虎钳组件的转动部分
- * 支架(A)的转动部分

10.清洁

定期用蘸有肥皂水的湿布除去电动工具表面上(尤其是下护罩内)的碎屑、灰尘以及其他废料。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。



橡胶 V 型皮带 皮带轮(A)



皮带轮(B)

图 56

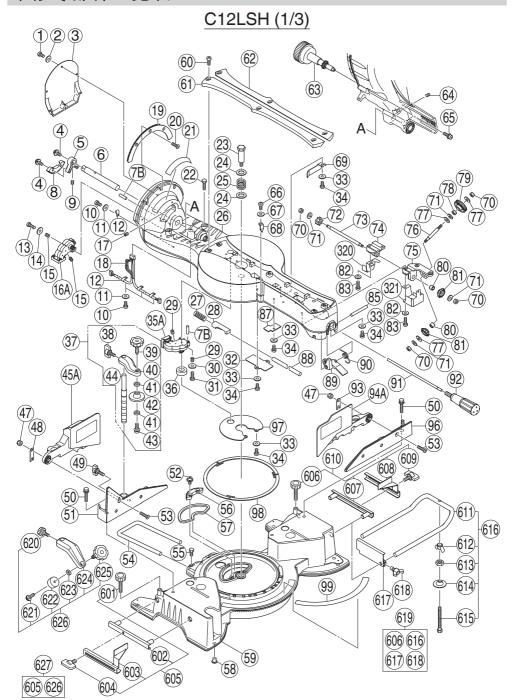
11.更换电源线

如电源线发生损坏,则该工具必须被送回日立授权的维修中心对电源线进行更换。

维修及修理

由于正常使用的磨损,所有合格的电动工具最终都需要维修或更换零件。为确保仅使用经授权的更换零件及双重绝缘系统,所有维修(除了日常维修)必须仅由经授权的日立电动工具修理中心进行。

维修零部件一览表



-7° 17	Г	
项目 号	零件名称	数量
1	机用螺丝 M4×12	4
2	螺栓垫圈 M4	4
3	盖(B)	1
4	机用螺丝 (附弹簧垫圈) M5×16	3
5	支架(E)	1
6	固定器轴	1
7B	针 D5×19.8	2
8	齿轮 (A)	1
9	密封内六角固定螺丝 M6×10	1
10	机用螺丝 M4×12	4
11	螺栓垫圈 M4	4
12	尼龙夹	4
13	机用螺丝 M5×20	1
14	螺栓垫圈 M6	1
15	弹簧(C)	2
16A	编码器	1
17	尼龙锁紧内六角固定螺丝 M8×16	1
18	电线(C)	1
19	齿轮 (A)	1
20	平头螺丝 M4×16	3
21	刻度片(B)	1
22	尼龙锁紧螺栓 M8×25	2
23	轴(B)	1
24	螺栓垫圈 M16	2
25	弹簧(B)	1
26	回转台	1
27	弹簧(E)	1
28	止动器(A)	1
29	弹簧(C)	2
30	螺栓垫圈 M6	1
31	机用螺丝 M5×20	1
	V 87 19 791	

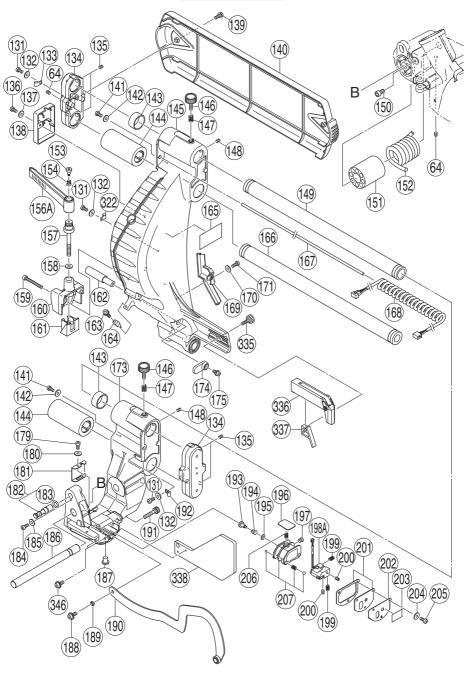
项目	₹ N. 6 15	业. 曰
号	零件名称	数量
32	销盖	1
33	螺栓垫圈 M4	5
34	机用螺丝 M4×85	5
35A	编码器	1
36	填料(B)	1
37	虎钳组件	1
38	翼栓 M6×12	1
39	旋钮螺栓 M10	1
40	螺丝固定器	1
41	垫圈	2
42	虎钳板	1
40	机用螺丝(附垫圈)	
43	M5×12	1
44	虎钳轴	1
45A	副挡板 (B)	1
47	尼龙螺母 M6	2
48	板 (B)	1
49	翼栓 M6×17	1
50	螺栓 (附垫圈) M8×35	4
51	挡板 (B)	1
	机用螺丝(附弹簧垫圈)	
52	M5×16	2
53	平头螺丝 M6×25	2
54	固定器	1
55	螺栓 M6×10	1
56	齿轮 (A)	1
57	填料 (A)	1
58	底座橡胶	4
59	底座组件	1
60	机用螺丝 M5×16	6
61	导板 (B)	1
62	导板 (A)	1
63	旋钮(B)	1
64	密封内六角固定螺丝	9
04	M6×10	3

<u>中文</u>

项目 号	零件名称	数量
65	机用螺丝(附垫圈) M5×16	1
66	机用螺丝 M4×12	1
67	螺栓垫圈 M4	1
68	指针	1
69	垫片(A)	1
70	锁定螺母 M6	4
71	弹簧垫圈 M6	4
72	齿轮(D)	1
73	斜角轴 (B)	1
74	轴固定器(B)	1
75	轴固定器(A)	1
76	斜角轴(A)	1
77	螺栓垫圈 M6	3
78	螺母 M6	1
79	旋钮(A)	1
80	金属 D8×10	2
81	斜角齿轮	2
82	弹簧垫圈 M5	4
83	机用螺丝 M5×20	4
85	连杆轴	1
87	盖(B)	1
88	轴(C)	1
89	连杆	1
90	弹簧(D)	1
91	轴(A)	1
92	侧手柄	1
93	板 (A)	1
94A	副挡板 (A)	1
96	挡板 (A)	1
97	防尘罩	1
98	内衬	3
99	刻度片(A)	1
320	齿轮盖(B)	1

项目 号	零件名称	数量
321	齿轮盖(C)	1
601	旋钮螺栓 M6×32	1
602	冠状模塑止动片固定器	1
603	冠状模塑止动片(L)	1
604	翼栓 M6×15	1
605	冠状模塑止动片(L) 组件	1
606	旋钮螺栓 M6×32	2
607	冠状模塑止动片固定器	1
608	冠状模塑止动片(R)	1
609	翼栓 M6×15	1
610	冠状模塑止动片(R) 组件	1
611	固定器	2
612	翼状螺母 M6	2
613	螺母 M6	2
614	虎钳板	2
615	高抗拉螺栓 M6×95	2
616	固定器组件	2
617	止动器	1
618	翼栓 M6×20	1
619	扩展固定器与止动器	1
620	旋钮螺栓 M6×11	1
621	机用螺丝(附垫圈)	1
021	M4×10	1
622	底座橡胶	1
623	垫圈 (H)	1
624	螺丝固定器(B)	1
625	旋钮螺栓 M10×54	1
626	虎钳 (B) 组件	1
627	冠状模塑虎钳组件	1

C12LSH (2/3)



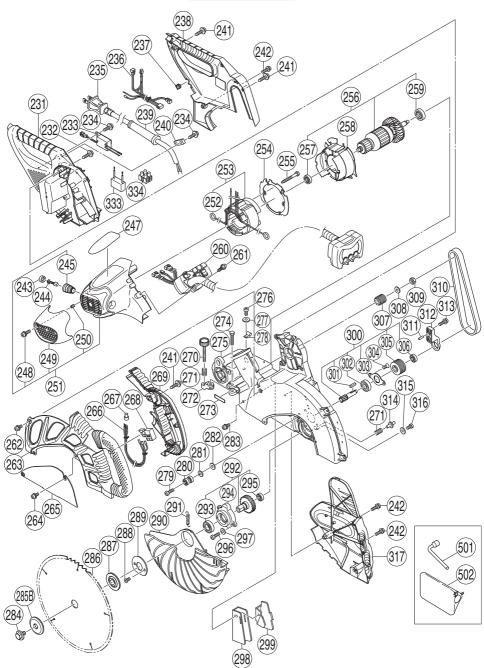
中文

项目 号	零件名称	数量
131	机用螺丝 M4×12	1
132	螺栓垫圈 M4	1
133	尼龙夹	1
134	支架	2
135	内六角固定螺丝 M8×10	4
136	机用螺丝 M4×12	1
137	螺栓垫圈 M4	1
138	盖(D)	1
139	机用螺丝 (附垫圈) M5×16	2
140	侧盖	1
141	机用螺丝 M4×8	2
142	螺栓垫圈 M4	2
143	衬套	2
144	滚珠衬套	2
145	固定器 (A)	1
146	旋钮螺栓 M6×25	2
147	锁定弹簧	2
148	密封内六角固定螺丝 M6×10	2
149	溜管(A)	1
150	密封内六角螺栓 M5×10	1
151	轴套	1
152	弹簧	1
153	离合器螺丝	1
154	离合器弹簧	1
156A	夹紧杆	1
157	螺栓 M8×65	1
158	螺栓垫圈 M8	1
159	内六角螺栓 M6×50	2
160	止动器固定器(C)	1
161	止动器(C)	1
162	固定销(A)	1
163	机用螺丝 (附垫圈) M4×12	2

五百		1
项目 号	零件名称	数量
164	指针	2
165	警告标签(B)	1
166	溜管 (B)	1
167	轴(D)	1
168	电线 (B)	1
169	电线盖	1
170	螺栓垫圈 M4	1
171	机用螺丝 M4×16	1
173	铰链(A)	1
174	夹卡	1
175	机用螺丝(附垫圈)	1
	M5×16	
179	机用螺丝 M4×8	1
180	螺栓垫圈 M4	1
181	盖	1
182	止动销组件	1
183	O型环(P-9)	1
184	机用螺丝 M4×8	1
185	螺栓垫圈 M4	1
186	铰链轴(A)	1
187	底座橡胶	1
188	机用螺丝 M5×12	1
189	垫片	1
190	连接片	1
191	调节器	1
192	尼龙夹	1
193	离合器螺丝	1
194	离合器弹簧	1
195	调整垫圈 (B) T0.5	1
196	板 (B)	1
197	离合器弹簧	1
198A	激光标记器	1
199	弹簧	2
200	密封内六角固定螺丝 M5×6	2

项目 号	零件名称	数量
201	盖(A)	1
202	板(A)	1
203	警告标签(J)	1
204	螺栓垫圈 M4	3
205	机用螺丝 M4×12	3
206	弹簧	1
207	固定器 (B)	1
322	尼龙夹	1
335	旋钮螺栓	1
336	安全罩组件	1
337	安全罩固定器	1
338	副盖(适用于澳规)	1
346	机用螺丝 (附垫圈) M5×16	2

C12LSH (3/3)



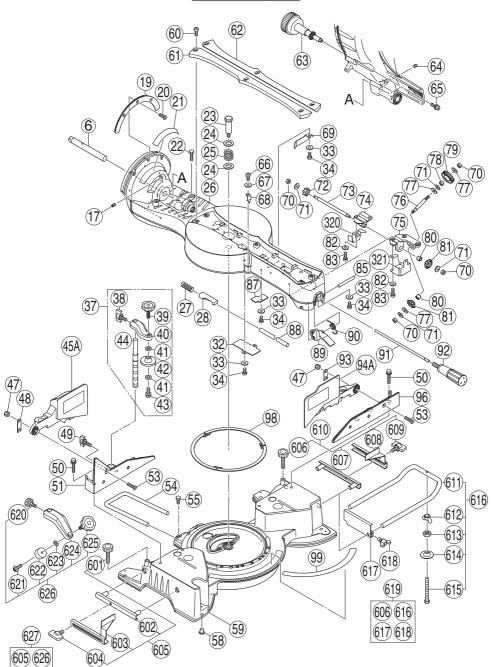
项目	高 H 力 Th	₩ 目
号	零件名称	数量
231	手柄(L)	1
232	自攻螺丝 (附法兰) D5×25	4
233	开关电源	1
234	自攻螺丝 (附法兰) D4×16	3
235	电线	1
236	内部电线 (B)	1
237	电线衬套	1
238	手柄(R)	1
239	线保护壳 D10.1	1
240	线夹	1
241	自攻螺丝 (附法兰) D4×20	6
242	机用螺丝 (附垫圈) M5×25	5
243	刷盖	2
244	炭刷	2
245	刷架	2
247	铭牌	1
248	机用螺丝 (附垫圈) M5×16	2
249	尾盖	1
250	内六角固定螺丝 M5×8	2
251	外罩组件	1
252	刷端	2
253	定子组件	1
254	端板	1
255	六角自攻螺丝 D5×50	2
256	电枢总成	1
257	滚珠轴承 6000VVCMPS2L	1
258	风扇导架	1
259	滚珠轴承 6201VVCMPS2L	1
260	显示器	1

项目 号	零件名称	数量
261	自攻螺丝 (附法兰) D4×30	2
262	机用螺丝 (附垫圈) M5×10	1
263	开关手柄(L)	1
264	机用螺丝 (附垫圈) M5×12	2
265	主轴盖	1
266	内部电线(A)	1
267	连接器 50092	4
268	开关 (3P快开型) W/O 锁定	1
269	开关手柄(R)	1
270	旋钮螺栓 M6×37	1
271	锁定弹簧	2
272	止动器固定器	1
273	弹簧板	1
274	尼龙锁紧螺栓 M8×40	1
275	齿轮箱	1
276	机用螺丝 M4×12	1
277	螺栓垫圈 M4	1
278	尼龙夹	1
279	机用螺丝 M6×25	1
280	滚珠轴承 606ZZC2PS2L	2
281	弹簧垫圈 M6	1
282	垫圈 M6	1
283	机用螺丝 (附垫圈) M4×12	1
284	螺栓(A) M10	1
285B	垫圈 (B)	1
286	TCT 锯片 305MM-D25.4 孔 -NT60	1
287	垫圈 (A)	1
288	平头螺丝 M4×10	2
289	盖	1

中文

项目 号	零件名称	数量
290	保护盖	1
291	复位弹簧(A)	1
292	锭子组件	1
293	滚珠轴承 6003DDCMPS2S	1
294	轴承固定器	1
295	滚珠轴承 608VVC2PS2L	1
296	机用螺丝 M5×20	2
297	弹簧垫圈 M5	2
298	导泥槽	1
299	导架固定器	1
300	小齿轮组件	1
301	导向键 4×4×15	1
302	滚珠轴承 6201VVCMPS2L	1
303	盖(C)	1
304	平头螺丝 M4×10	2
305	皮带轮 (B)	1
306	滚珠轴承 608VVC2NS7L	1
307	皮带轮(A)	1
308	超级锁紧垫圈	1
309	螺母 M10 (10 颗)	1
310	皮带 (200H10) 16×508	1
311	针辊	2
312	轴承固定器(B)	1
313	机用螺丝 (附垫圈) M5×20	2
314	止动销 	1
315	螺栓垫圈 M4	1
316	机用螺丝 M4×8	1
317	皮带轮盖	1
333	噪声抑制器	1
334	柱式终端(A)	1
501	套筒扳手 17MM	1
502	防尘袋	1

C12RSH (1/3)



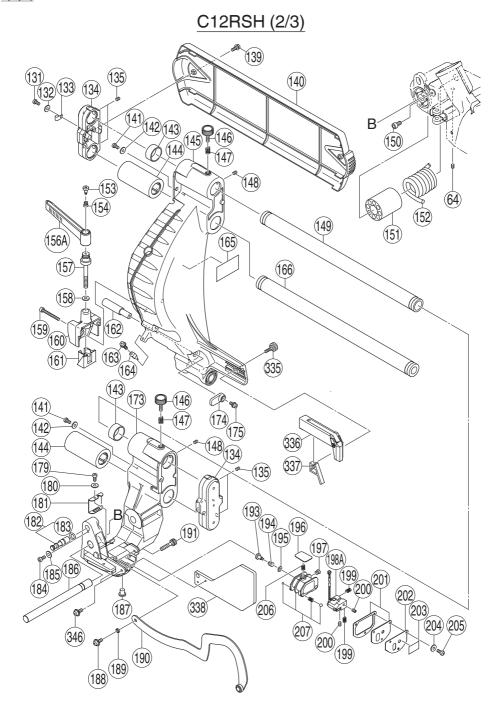
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项目	零件名称	数量
号 6	固定器轴	1
0	尼龙锁紧内六角固定螺丝	1
17		1
19	齿轮 (A)	1
	Y	_
20	列度片(B)	3
21		1
22	尼龙锁紧螺栓 M8×25	2
23	轴(B)	1
24	螺栓垫圈 M16	2
25	弾簧(B)	1
26	回转台	1
27	弹簧(E)	1
28	止动器(A)	1
32	销盖	1
33	螺栓垫圈 M4	4
34	机用螺丝 M4×8	4
37	虎钳组件	1
38	翼栓 M6×12	1
39	旋钮螺栓 M10	1
40	螺丝固定器	1
41	垫圈	2
42	虎钳板	1
	机用螺丝(附垫圈)	
43	M5×12	1
44	虎钳轴	1
45A	副挡板 (B)	1
47	尼龙螺母 M6	2
48	板 (B)	1
49	翼栓 M6×17	1
50	螺栓 (附垫圈) M8×35	4
51	挡板 (B)	1
53	平头螺丝 M6×25	2
54	固定器	1
55	螺栓 M6×10	1

项目 号	零件名称	数量
58	底座橡胶	4
59	底座组件	1
60	机用螺丝 M5×16	6
61	导板 (B)	1
62	导板 (A)	1
63	旋钮(B)	1
64	密封内六角固定螺丝 M6×10	2
65	机用螺丝 (附垫圈) M5×16	1
66	机用螺丝 M4×12	1
67	螺栓垫圈 M4	1
68	指针	1
69	垫片(A)	1
70	锁定螺母 M6	4
71	弹簧垫圈 M6	4
72	齿轮 (D)	1
73	斜角轴 (B)	1
74	轴固定器(B)	1
75	轴固定器(A)	1
76	斜角轴 (A)	1
77	螺栓垫圈 M6	3
78	螺母 M6	1
79	旋钮(A)	1
80	金属 D8×10	2
81	斜角齿轮	2
82	弹簧垫圈 M5	4
83	机用螺丝 M5×20	4
85	连杆轴	1
87	盖(B)	1
88	轴(C)	1
89	连杆	1
90	弹簧(D)	1
91	轴(A)	1

项目 号	零件名称	数量
92		1
93	板 (A)	1
94A	副挡板 (A)	1
96	挡板 (A)	1
98	内衬	3
99	刻度片(A)	1
320	齿轮盖(B)	1
321	齿轮盖(C)	1
601	旋钮螺栓 M6×32	1
602	冠状模塑止动片固定器	1
603	冠状模塑止动片(L)	1
604	翼栓 M6×15	1
605	冠状模塑止动片(L)组件	1
606	旋钮螺栓 M6×32	2
607	冠状模塑止动片固定器	1
608	冠状模塑止动片(R)	1
609	翼栓 M6×15	1
610	冠状模塑止动片(R)组件	1
611	固定器	2
612	翼状螺母 M6	2
613	螺母 M6	2
614	虎钳板	2
615	高抗拉螺栓 M6×95	2
616	固定器组件	2
617	止动器	1
618	翼栓 M6×20	1
619	扩展固定器与止动器	1
620	旋钮螺栓 M6×11	1
621	机用螺丝 (附垫圈) M4×10	1
622	底座橡胶	1
623	垫圈 (H)	1
624	螺丝固定器(B)	1
625	旋钮螺栓 M10×54	1

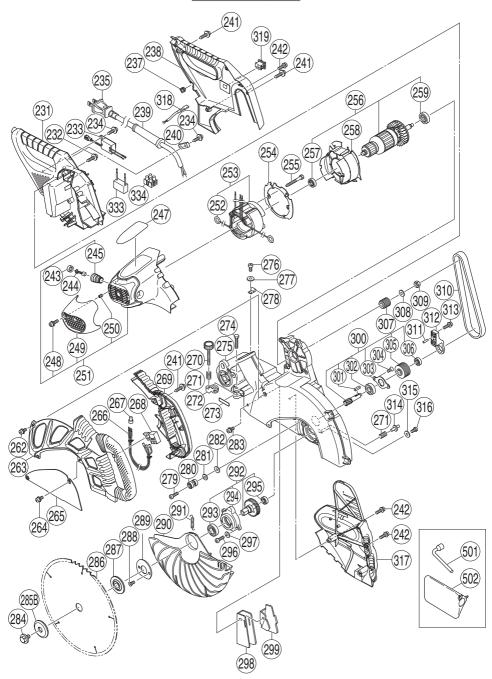
项目 号	零件名称	数量
626	虎钳 (B) 组件	1
627	冠状模塑虎钳组件	1



项目		
号	零件名称	数量
131	机用螺丝 M4×12	1
132	螺栓垫圈 M4	1
133	尼龙夹	1
134	固定器	2
135	内六角固定螺丝 M8×10	4
139	机用螺丝 (附垫圈) M5×16	2
140	侧盖	1
141	机用螺丝 M4×8	2
142	螺栓垫圈 M4	2
143	衬套	2
144	滚珠衬套	2
145	固定器 (A)	1
146	旋钮螺栓 M6×25	2
147	锁定弹簧	2
1.40	密封内六角固定螺丝	
148	M6×10	2
149	溜管(A)	1
150	密封内六角螺栓 M5×10	1
151	轴套	1
152	弹簧	1
153	离合器螺丝	1
154	离合器弹簧	1
156A	夹紧杆	1
157	螺栓 M8×65	1
158	螺栓垫圈 M8	1
159	内六角螺栓 M6×50	2
160	止动器固定器(C)	1
161	止动器(C)	1
162	固定销(A)	1
163	机用螺丝 (附垫圈) M4×12	2
164	指针	2
165	警告标签(B)	1
166	溜管 (B)	1
173	铰链(A)	1
174	夹卡	1

项目 号	零件名称	数量
175	机用螺丝 (附垫圈) M5×16	1
179	机用螺丝 M4×8	1
180	螺栓垫圈 M4	1
181	盖	1
182	止动销组件	1
183	O 型环 (P-9)	1
184	机用螺丝 M4×8	1
185	螺栓垫圈 M4	1
186	铰链轴(A)	1
187	底座橡胶	1
188	机用螺丝 M5×12	1
189	垫片	1
190	连接片	1
191	调节器	1
193	离合器螺丝	1
194	离合器弹簧	1
195	调整垫圈 (B) T0.5	1
196	板 (B)	1
197	离合器弹簧	1
198A	激光标记器	1
199	弹簧	2
200	密封内六角固定螺丝 M5×6	2
201	盖(A)	1
202	板 (A)	1
203	警告标签(J)	1
204	螺栓垫圈 M4	3
205	机用螺丝 M4×12	3
206	弹簧	1
207	固定器 (B)	1
335	旋钮螺栓	1
336	安全罩组件	1
337	安全罩固定器	1
338	副盖	1
346	机用螺丝 (附垫圈) M5×16	2

C12RSH (3/3)



-27 17	T	
项目 号	零件名称	数量
231	手柄(L)	1
232	自攻螺丝 (附法兰) D5×25	4
233	开关电源	1
234	自攻螺丝 (附法兰) D4×16	3
235	电线	1
237	电线衬套	1
238	手柄(R)	1
239	线保护壳 D10.1	1
240	线夹	1
241	自攻螺丝 (附法兰) D4×20	6
242	机用螺丝 (附垫圈) M5×25	5
243	刷盖	2
244	炭刷	2
245	刷架	2
247	铭牌	1
248	机用螺丝 (附垫圈) M5×16	2
249	 尾盖	1
250	内六角固定螺丝 M5×8	2
251	外罩组件	1
252	刷端	2
253	定子组件	1
254	端板	1
255	六角自攻螺丝 D5×50	2
256	电枢总成	1
257	滚珠轴承 6000VVCMPS2L	1
258	风扇导架	1
259	滚珠轴承 6201VVCMPS2L	1
262	机用螺丝 (附垫圈) M5×10	1
263	开关手柄(L)	1

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项目 号	零件名称	数量		
0.0.4	机用螺丝(附垫圈)			
264	M5×12	2		
265	主轴盖	1		
266	内部电线 (A)	1		
267	连接器 50092	4		
268	开关 (3P 快开型) W/O	1		
200	锁定	1		
269	开关手柄 (R)	1		
270	旋钮螺栓 M6×37	1		
271	锁定弹簧	2		
272	止动器固定器	1		
273	弹簧板	1		
274	尼龙锁紧螺栓 M8×40	1		
275	齿轮箱	1		
276	机用螺丝 M4×12	1		
277	螺栓垫圈 M4	1		
278	尼龙夹	1		
279	机用螺丝 M6×25	1		
280	滚珠轴承 606ZZC2PS2L	2		
281	弹簧垫圈 M6	1		
282	垫圈 M6	1		
283	机用螺丝(附垫圈)			
400	M4×12	1		
284	螺栓 (A)M10	1		
285B	垫圈 (B)	1		
286	TCT 锯片 305MM-D25.4	1		
200	孔 -NT60	1		
287	垫圈 (A)	1		
288	平头螺丝 M4×10	2		
289	盖	1		
290	保护盖	1		
291	复位弹簧	1		
292	锭子组件	1		
293	滚珠轴承 6003DDCMPS2S	1		
294	轴承固定器	1		

中文

项目 号	零件名称	数量
295	滚珠轴承 608VVC2PS2L	1
296	机用螺丝 M5×20	2
297	弹簧垫圈 M5	2
298	导泥槽	1
299	导架固定器	1
300	小齿轮组件	1
301	导向键 4×4×15	1
302	滚珠轴承 6201VVCMPS2L	1
303	盖(C)	1
304	平头螺丝 M4×10	2
305	皮带轮 (B)	1
306	滚珠轴承 608VVC2NS7L	1
307	皮带轮 (A)	1
308	超级锁紧垫圈	1
309	螺母 M10	1
310	皮带(200H10)16×508	1
311	针辊	2
312	轴承固定器(B)	1
313	机用螺丝 (附垫圈) M5×20	2
314	止动销	1
315	螺栓垫圈 M4	1
316	机用螺丝 M4×8	1
317	皮带轮盖	1
318	内部电线 (C)	1
319	开关(附盖)	1
333	噪声抑制器	1
334	柱式终端(A)	1
501	套筒扳手 17MM	1
502	防尘袋	1

CONTENTS 51 GENERAL OPERATIONAL PRECAUTIONS 51 PRECAUTIONS ON USING SLIDE COMPOUND MITER SAW 53 SYMBOL 55 NAME OF PARTS 56 SPECIFICATIONS 57 STANDARD ACCESSORIES 59 OPTIONAL ACCESSORIES (sold separately) 59 APPLICATION 59 PREPARATION BEFORE OPERATION 60 BEFORE USING 61 BEFORE CUTTING 62 PRACTICAL APPLICATIONS 70 SAW BLADE MOUNTING AND DISMOUNTING 81

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.
- 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.
- Do not force the tool. It will do the job better and safer at the rate for which it was intended.
- 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.
- 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 HITACHI 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.
- 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 HITACHI.
- 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.
- 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. 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.
- 40. Review this Manual and familiarize yourself with the safety rules and operating instructions for this POWER TOOL before attempting to use it.
- 41. Always confirm that the POWER TOOL is clean before using it.
- 42. Always wear snug-fitting clothing, non-skid footwear (preferably with steel toes) and eye protection when operating the POWER TOOL.
- 43. Always handle the POWER TOOL carefully. If the POWER TOOL falls or strikes against a hard object, it might become deformed or cracked or sustain other damage.
- 44. Always cease operating the saw at once, if you notice any abnormality whatsoever.
- 45. Always confirm that all components are mounted properly and securely before using the tool.
- 46. When replacing the saw blade, always confirm that the rpm rating of the new blade is correct for use on this tool.
- 47. Always shut off the power and wait for the saw blade to completely stop rotating before undertaking any maintenance or adjustments.
- 48. During slide cutting, always push the saw blade away from the operator.
- 49. During miter or bevel cutting, always wait for the rotation of the blade to stop completely before lifting the saw blade.

- 50. Always make a trial run first before attempting any new use of the saw.
- 51. Always handle the saw blade with care when dismounting and mounting it.
- 52. Always confirm that the workpiece is free of nails or other foreign objects before beginning a cut.
- 53. Always keep your hands out of the path of the saw blade.
- 54. Always confirm that the lower guards are in the proper places before using the saw.
- Always confirm that the lower guards do not obstruct the sliding motion of the saw before attempting slide cutting.
- 56. Inspect the tool power cords periodically.
- 57. Always confirm that the motor air vents are fully open before using the tool.
- 58. Always wait until the motor has reached full speed before starting a cut.
- 59. Never use the POWER TOOL for applications not specified in the instruction manual.
- 60. Never operate the tool while wearing loose clothing, a necktie or jewelry, or while your hair is uncovered, to protect against getting caught in the moving machinery.
- 61. Never remove any safety devices or blade guards; use of the tool without them would be hazardous.
- 62. Never lock the lower guards; always confirm that it slides smoothly before using the tool.
- 63. Never damage the power cord of the tool.
- 64. Never attempt to move a plugged-in POWER TOOL while your finger is on the starting switch.
- 65. Never use the POWER TOOL near flammable liquids or gases because sparking can cause an explosion.
- 66. Never clean plastic components with solvents because the plastic may dissolve.
- 67. Never raise the saw blade from the workpiece until it has first come to a complete stop.
- 68. When slide cutting, never pull the handle toward the operator, since this could cause the saw blade to kick up from the workpiece. Always push the handle away from the operator in a single, smooth motion.

SYMBOL

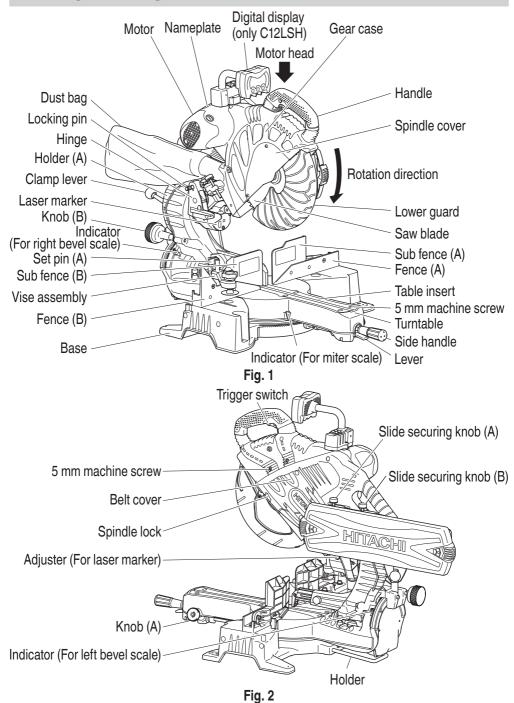
WARNING

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



56

SPECIFICAT	TONS				
Item	Model C12LSH / C12RSH				
Motor	Туре	Series commutator motor			
	Voltage (Volts)	/olts) (220V) ∼		,	
	Power input		1520 W		
Laser Marker	Maximum outpo	put <1mW CLASS II Laser Product			
	Wave length		400-700		
	Laser medium		Laser Dic		
	Display (Only Model C12LSH) Precision ±0.5°				
Applicable saw blade		Outside Dia. 305 mm Hole Dia. 25.4 mm			
No load speed		4000 /min			
Max.		Head	Turntable	Max. sawing	
sawing dimension	Miter	0	0	Max. Height Max. Width or	107 mm 312 mm
				* Max. Height Max. Width	120 mm 260 mm
			1 6 4=0	With aux. board	25 mm
		0	Left 45° or Right 45°	Max. Height Max. Width	107 mm 220 mm
			nigiit 45	or * Max. Height Max. Width	120 mm 180 mm
				With aux. board	25 mm
		0	Right 57°	Max. Height Max. Width or	107 mm 170 mm
				* Max. Height Max. Width	120 mm 130 mm
				With aux. board	25 mm
	Bevel	Left 45°	0	Max. Height Max. Width or	70 mm 312 mm
				* Max. Height Max. Width	75 mm 260 mm
		D' 11 450		With aux. board	25 mm
		Rigth 45°	0	Max. Height Max. Width or	45 mm 312 mm
				* Max. Height Max. Width	50 mm 260 mm
				With aux. board	25 mm

Max.		Head	Turntable	Max. sawing dimension
sawing	Compound	Left 45°	Left 45°	Max. Height 70 mm
dimension				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
				* 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
		1 (1 00 14		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 ra	ange	Left (Bevel) 0° – 45°, Left (Miter) 0° – 45°,		
		Right (Miter) 0° – 31°		
		Right (Bevel) 0° – 45°, Right (Miter) 0° – 45°, Left (Miter) 0° – 31°		
Not woight		C12LSH 30 kg C12RSH 29 kg		
Net weight				
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 70. Mount the auxiliary board on the fence surface (Refer () the thickness of auxiliary board). Refer to "5. Cutting large workpieces" on page 72 (**Fig. 31**).

STANDARD ACCESSORIES

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

305 mm TCT Saw blade (For wood)	1
Dust bag For how to use, refer to page 81.	1
Vise Assembly w/knob bolt For how to use, refer to page 70.	1
17 mm Box wrench	1
Holder For how to use, refer to page 60.	1

OPTIONAL ACCESSORIES (sold separately)

- Extension Holder and Stopper
- Crown molding Vise Ass'y (Include Crown molding Stopper (L))
- 3 Crown molding Stopper (L)
- 4 Crown molding Stopper (R)

APPLICATION

Wood and aluminum sash.

PREPARATION BEFORE OPERATION

Make the following preparations before operating the power tool:

Installation

Attach the power tool to a level, horizontal work bench in accordance with **Fig. 3**. 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 65 mm or larger bolts for a 25 mm thick work bench.

The holder attached to the rear of the base helps stabilize the power tool.

Holder adjustment (Fig. 4):

Loosen the 6 mm bolt with the 10 mm box wrench.

Adjust the holder until its bottom surface contacts the work bench surface.

After adjustment, firmly tighten the 6 mm

bolt.

2. Releasing the locking pin (**Fig. 5**) 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.

NOTE

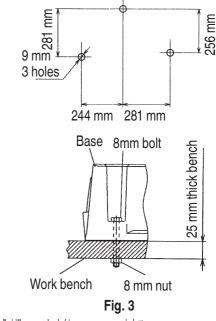
Lowering the handle slightly will enable you to disengage the locking pin more easily and safely.

The lock position of the locking pin is for carrying and storage only.

Installing the dust bag, holder, stopper and vises

(The holder and stopper are optional accessories.)

Attach the dust bag and vise assembly as indicated in Fig. 1 on page 56 and Fig. 2 on page 56.



6 mm Bolt

Adjust the holder until its bottom surface contacts the work bench surface.

Holder

Move

Fig. 4

Handle

Locking pin

Pull

Fig. 5

BEFORE USING

1. Make sure the power source is appropriate for the tool.

WARNING

Never connect the power tool unless the available AC power source is of the same voltage as that specified on the nameplate of the tool.

Never connect this power tool to a DC power source.

2. Make sure the trigger switch is turned OFF.

WARNING

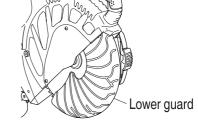
If the power cord is connected to the power source with the trigger switch turned ON the power tool will start suddenly and can cause a serious accident.

- 3. Check the saw blade for visible defects.
 - Confirm that the saw blade is free of cracks or other visible damage.
- Confirm that the saw blade is attached securely to the power tool.
 Using the supplied 17 mm box wrench, tighten the 10 mm bolt on the saw blade spindle to secure the saw blade.

For details, see **Fig. 54-a**, **Fig. 54-b**, **Fig. 54-c** and **Fig. 54-d** in the section on "SAW BLADE MOUNTING AND DISMOUNTING" on page 82.

5. Check the lower guard for proper operation. (**Fig. 6**) Lower guard is designed to protect the operator from coming into contact with the saw blade during operation of the tool.

Always check that the lower guard moves smoothly and covers the saw blade properly.



Fia. 6

WARNING

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

- 6. Confirm the position of the spindle lock before using the tool.

 After installing the saw blade, confirm that the spindle lock has been returned to the retract position before using the power tool (see **Fig. 2 on page 56**).
- 7. Check the lower limit position of the Saw Blade. Although it was adjusted before shipment, carefully check the height of the saw blade. Confirm that the saw blade can be lowered 9 mm to 11 mm below the table insert. For details, see the section on "Checking the saw blade lower limit position".
- Check the Power Receptacle.
 To prevent overheating, accidental stopping or intermittent operation, confirm that the power cord plug fits properly in the electrical receptacle and does not fall out after it is inserted. Repair or replace the receptacle if it is faulty.
- Confirm the tool's power cord is not damaged.
 Repair or replace the power cord if an inspection indicates that it is damaged.

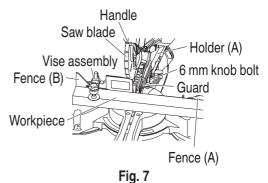
AFTER CONNECTING THE POWER PLUG TO AN APPROPRIATE AC POWER SOURCE. CHECK THE OPERATION OF THE TOOL AS FOLLOWS:

- 10. Trial Run
 - After confirming that no one is standing behind, the power tool start and confirm that no operating abnormalities exist before attempting a cutting operation.
- Inspect the rotating stability of the saw blade. 11. For precise cutting, rotate the saw blade and check for deflection to confirm that the blade is not noticeably unstable; otherwise vibrations might occur and cause an accident.

BEFORE CUTTING

Cutting a groove on the quard 1. Holder (A) has a guard (see Fig. 7) into which a groove must be cut. 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 assembly.

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.



CAUTION

Do not cut the groove too quickly; otherwise the guard might become damaged.

- 2. Positioning the table insert
 - 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.
- Right angle cutting (Fig. 8-a) (1) 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

5 mm machine screw Workpiece Saw blade Table insert [Right angle cutting] Fig. 8-a

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 shown in Fig. 8-b and Fig. 8-c following the 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.

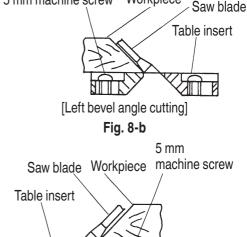
3. Checking the saw blade lower limit position

Check that the saw blade can be lowered 9 mm to 11 mm below the table insert as shown in **Fig. 9-a**.

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. 9-b**) 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.

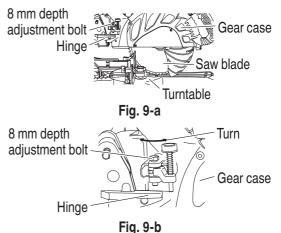


5 mm machine screw

Workpiece

[Right bevel angle cutting]

Fig. 8-c



NOTE

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

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

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 (see **Fig. 9-a**) will not come in contact with the workpiece.

To adjust the lower limit position of the saw blade, follow the procedure (1) shown in **Fig. 9-a**.

- (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.
- 5. Confirmation for use of sub fence (A)

WARNING

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

Left bevel angle cutting

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.

In the case of right bevel cutting, raise the sub fence (A) up as illustrated in **Fig. 10** and then turn it of

Fence (A)

Fig. 10

illustrated in **Fig. 10** and then turn it clockwise.

6. Confirmation for use of sub fence (B)

WARNING

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

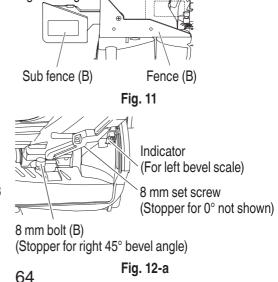
Right bevel angle cutting

Left bevel

angle cutting

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. Then, you can realize stable cutting of the material with a wide back face. In the case of left bavel cutting, raise the sub fence up as illustrated in **Fig. 11** and then turn it counterclockwise.

7. 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).



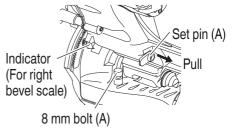
Turn

Direct angle cutting

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. When changing the bevel angle to the right 45°, pull the set pin (A) on the direction shown in Fig. 12-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. 12-b.

Securing the workpiece 8.



(Stopper for left 45° bevel angle)

Fig. 12-b

WARNING

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

- 9. Installing the holders (Optional accessory) The holders help keep longer workpieces stable and in place during the cutting operation.
- As indicated in Fig. 13, use a steel (1) 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.
- Stopper for precision cutting (Stopper 10. 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 wing bolt as shown in Fig. 14.

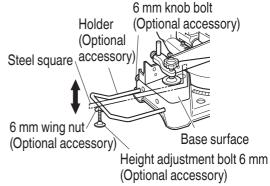
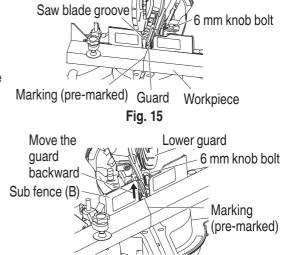


Fig. 13

Stopper (Optional accessory) Workpiece Holder (Optional accessory) Move 6 mm knob bolt (Optional accessory)

Fig. 14

- 11. Using an ink line
- (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
- (Fig. 15).
 (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 (Fig. 16).



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 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.

12. Position adjustment of laser line

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.
- O Do not remove the laser marker to be used for other purposes.

CAUTION

- 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.

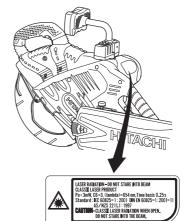


Fig. 17

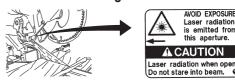


Fig. 18

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.
- O 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.

Ink lining can be easily made on this tool to the laser marker. A switch lights up the laser marker (**Fig. 19**).

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.

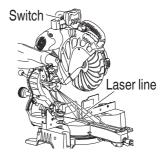
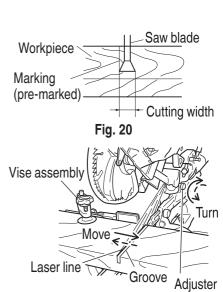
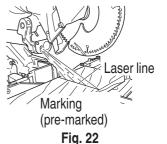


Fig. 19

- (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 "13. Groove cutting procedures" on page 80.
- (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. 21) 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).







NOTE

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. 22**)

13. Digital display panel (for C12LSH)

Miter angle window (Displays arrows show angle and direction that turntable is rotating. Left is ← Right is →).

Miter angle reset button

RESET BACK LIGHT RESET

Bevel angle window (Displays arrows showing motor head bevel angle and bevel direction. Left is ← Right is →)

Bevel angle reset button

Back light ON/OFF switch (Press and the switch illuminates. Press again and the lighting turns off.)

Fig. 23

- (1) Turning on the digital display switch shows 0° for both miter and bevel angle, regardless of main unit angle.
- (2) Align the main unit angle with the tilt angle (0°) and miter angle (0°) and hold down their reset buttons for at least 0.2 seconds.
- (3) Turning on the laser marker switch while the digital display switch is on, lights up the laser marker (On the C12RSH, only the laser marker switch).



Digital display switch (for C12LSH)
(Also serves as laser marker power switch.)

CAUTION

When operating the digital panel, have Fig. 24-a the motor head section at the top limit position and the blade stopped.

NOTE

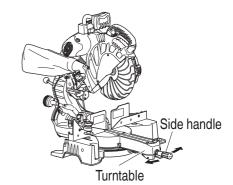
- Defore starting to cut, align the main unit to the miter angle 0° and the bevel angle 0° and hold down the reset buttons for at least 0.2 seconds. If you press the digital display switch to ON without aligning the main unit to 0°, then the figures appearing on the digital display and the main unit angle will not match.
- The laser marker will not light up if the digital display switch is turned off (only on C12LSH).
- O not use the main unit near equipment that generates electrical noise such as generators. Electrical noise might cause faulty readings or operation on the digital display.

CAUTION

If the figure shown on the miter angle digital display is different from the positive stop angle (for example, $45.0^{\circ} \rightarrow 45.5^{\circ}$, $31.6^{\circ} \rightarrow 32.0^{\circ}$) then the positive stop has probably deviated slightly from its correct position. If this happens, do as follows.

(1) Move the turntable left and right with the side handle loosened, and set the turntable to the correct position.

(2) If the figures on the display and positive stop still do not match, then return the turntable to the 0° position. Next move the turntable left and right with the side handle loosened as shown in Fig. 24-b. After setting it to the correct position 0°, press the reset button again as shown in Fig. 23 on page 69.



Move the turntable left and right with the side handle loosened and set it to the correct position.

Fig. 24-b

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. 25).
- Switch operation (Fig. 26)
 Pull the trigger to turn on the switch, release it to shut it off.
 - After releasing the trigger, make sure the trigger has gone all the way back and the switch is turned off.
- 2. Using the Vise Assembly (Standard accessory)
- (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. 27**)



Fig. 25



Fig. 26

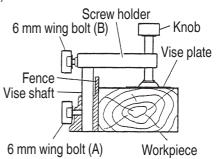


Fig. 27

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 (see Fig. 1 on page 56) 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 (B) and move the vise assembly to a position where it will not contact the saw blade.

- Cutting operation
- (1) As shown in **Fig. 28** 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 (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.

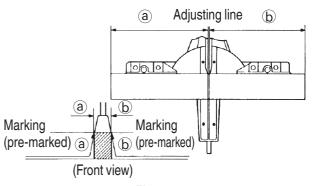


Fig. 28

- (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

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.

WARNING

- Onfirm 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 \bigcirc and if it's hot, stop your cutting operation once and rest for 10 minutes or so, and then restart your cutting operation.
- Do not operate the head section or lift up the main unit while grasping the digital \bigcirc display (Fig. 1 on page 56) as this could cause damage to the digital display.

Hinae

Cutting narrow workpieces (Press cutting) 4. Slide the hinge down to holder (A), then tighten the slide securing knob (A)/(B) (see Fig. 2 on page 56) as indicated in Fig. 29.

Lower the handle to cut the workpiece. Using the power tool this way will permit cutting of workpieces of up to 107 mm square.

- 5. 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 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. 30) Refer to page 57 "SPECIFICATIONS" for the thickness of the auxiliry board.
- 6. Cutting wide workpieces (Slide cutting)
- (1) Workpieces up to 107 mm high and 312 mm wide:

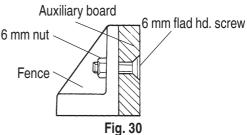
Loosen the slide securing knob (A) (see Fig. 2 on page 56), grip the handle and slide the saw blade forward.

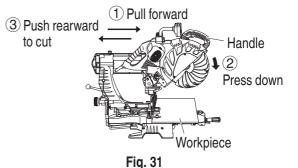
Then press down on the handle and slide the saw blade back to cut the workpiece as indicated in Fig. 31. This facilitates cutting of workpieces of up to 107 mm in height and 312 mm in width.

manner as described in paragraph 6-(1) above.

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

Handle Press down Holder (A) Workpiece Fig. 29





Workpieces of up to 120 mm in height and up to 260 mm in width can be cut in the same

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.

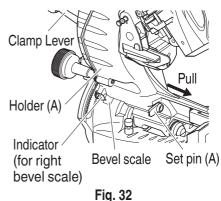
WARNING

- For slide cutting, follow the procedures indicated above in Fig. 31.
 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.
- 7. Bevel cutting procedures
- (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 latchet 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. 32**, 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.



Follow the procedures indicated in paragraphs 4, 5 and 6 above. For maximum dimensions for bevel cutting, refer to "SPECIFICATIONS" table on page 57.

WARNING

(3)

When the workpiece is secured on the left or right side of the blade, the short cutoff 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 "3. Checking the saw blade lower limit position" on page 63).

- 8. Bevel angle fine adjustment
- (1) Grip the handle on the motor head and position it at the bevel angle you need. Temporarily tighten the clamp lever.

CAUTION

If not tightened firmly enough the motor head might suddenly move or slip, causing injuries. Be sure to tighten the motor head section enough so it will not move.

(2) When making fine adjustments of the bevel angle, turn the knob (B) while supporting the handle with your hand.

NOTE

Turning knob (B) clockwise, allows fine adjustment of the main unit to the left (as seen from front).

Turning knob (B) counterclockwise, allows fine adjustment of the main unit to the right (as seen from front).

(3) After adjusting to the desired angle, tighten the clamp lever and clamp the motor head.

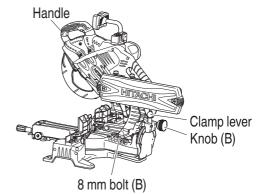
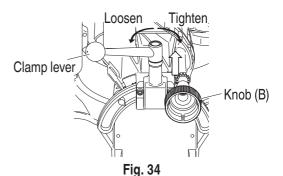


Fig. 33



CAUTION

Always check that the clamp lever is secured and the motor head is clamped. If you attempt angle cutting without clamping the motor head, then the motor head might shift unexpectedly causing injuries.

- 9. 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. 35**).
- (2) Re-tighten the side handle to secure the turntable in the desired position.
- (3) The miter scale (**Fig. 36**) 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 (see Fig. 36).
- (5) Therefore, to cut a workpiece at a grade of 2/10, set the indicator to position a as indicated in **Fig. 36**.

NOTE

- O 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.
- 10. Miter angle fine adjustment
- (1) Rotate the turntable to the miter angle you need.
- (2) When making fine adjustments of the miter angle, turn the knob (A) while pulling up the lever (**Fig. 38**).

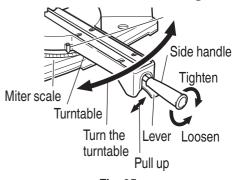


Fig. 35

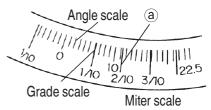


Fig. 36

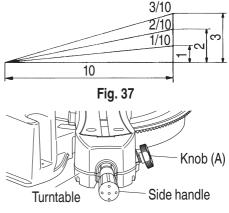


Fig. 38

NOTE

Turning knob (A) clockwise, allows fine adjustment of the turntable to the right. Turning knob (A) counterclockwise, allows fine adjustment of the turntable to the left.

(3) After adjusting to the desired angle, tighten the side handle.

CAUTION

Always check that the side handle is secured and the turntable is clamped. If you attempt angle cutting without clamping the turntable, then the turntable might shift unexpectedly causing injuries.

11. Compound cutting procedures

Compound cutting can be performed by following the instructions in 10 and 11 above. For maximum dimensions for compound cutting, refer to "SPECIFICATIONS" table on page 57.

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 (B) counterclockwise, and engage in the cutting operation.

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

12. Crown molding cutting procedures Fig. 39 shows two common crown molding types having angles of (q) 38° and 45°. For the typical crown molding fittings, see Fig. 40. The table below shows the miter angle and the bevel angle settings that are ideal for the two crown molding types.

NOTE

For convenience, positive stops are provided for the miter setting (left and right 31.6°) positions.

For miter cut setting

If the turntable has been set to either of the angles described, move the turntable adjusting side handle a little to the right and left to stabilize the position and to properly align the miter angle scale and the tip of the indicator before the operation starts.

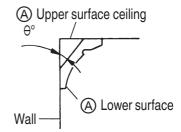


Fig. 39

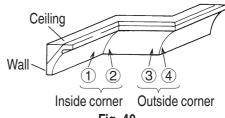


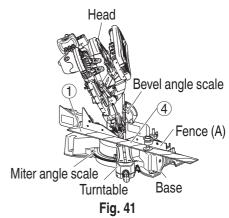
Fig. 40

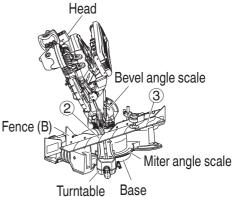
For bevel cut setting

Turn the clamp lever on bevel section to the left and check that the position is stable and that the bevel angle scale and the tip of the indicator are properly aligned. Then tighten the clamp lever.

Type of Crown			To process crown molding at positions ② and ③ in Fig. 40.	
Molding	Miter Angle Setting	Bevel Angle Setting	Miter Angle Setting	Bevel Angle Setting
45° Type	right 35.3° (↓ mark)	right 30° (↓mark)	right 35.3° (↓ mark)	right 30° (↓mark)
38° Type	right 31.6° (mark)	right 33.9° (right 31.6° (mark)	right 33.9° (mark)

- (1) Setting to cut crown moldings at positions 1
 and 4 in Fig. 40 (see Fig. 41; tilt the motor head to the left):
 - 1 Turn the turntable to the right and set the Miter Angle as follows:
 - For 45° type crown moldings: 35.3° (↓ mark)
 - For 38° type crown moldings: 31.6° (\ mark)
 - ② Tilt the motor head to the left and set the Bevel Angle as follows:
 - * For 45° type crown moldings: 30° (\ mark)
 - * For 38° type crown moldings: 33.9° (\ mark)
 - ③ Position the crown molding so that the upper surface (A in Fig. 39) contacts the fence as indicated in Fig. 43.
- (2) Setting to cut crown moldings at positions ② and ③ in Fig. 40 (see Fig. 42; tilt the head to the left):
 - 1 Turn the turntable to the left and set the Miter Angle as follows:
 - * For 45° type crown moldings: 35.3° (↓ mark)
 - * For 38° type crown moldings: 31.6° (\ mark)
 - 2 Tilt the head to the left and set the Bevel Angle as follows:
 - * For 45° type crown moldings: 30° (I mark)
 - * For 38° type crown moldings: 33.9° (\ mark)
 - ③ Position the crown molding so that the lower surface (B in Fig. 39) contacts the fence as in Fig. 44.





Turntable Base **Fig. 42**

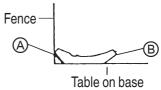
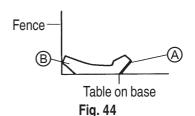
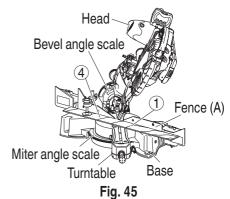


Fig. 43



- (3) Setting to cut crown moldings at positions 1
 and 4 in Fig. 40 on page 76 (see Fig. 45; tilt
 the head to the right):
 - 1 Turn the turntable to the right and set the Miter Angle as follows:
 - * For 45° type crown moldings: 35.3° (↓ mark)
 - 2 Tilt the head to the right and set the Bevel Angle as follows:
 - * For 45° type crown moldings: 30° (\ mark)
 - ③ Position the crown molding so that the upper surface (B in Fig. 39 on page 76) contacts the fence as indicated Fig. 47.
- (4) Setting to cut crown moldings at positions 2 and 4 in Fig. 40 on page 76 (see Fig. 46; tilt the head to the right):
 - 1 Turn the turntable to the left and set the Miter Angle as follows:
 - * For 45° type crown moldings: 35.3° (↓ mark)
 - * For 38° type crown moldings: 31.6° (\ mark)
 - 2 Tilt the head to the right and set the Bevel Angle as follows:
 - For 45° type crown moldings: 30° (↓ mark)
 - * For 38° type crown moldings: 33.9° (\ mark)
 - ③ Position the crown molding so that the lower surface (A in Fig. 39 on page 76) contacts the fence as in Fig. 48.



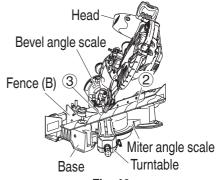


Fig. 46

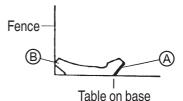
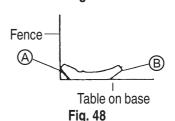


Fig. 47



Cutting method of crown molding without tilting the saw blade

- (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. 49-a**. After inserting Tighten the 6mm knob bolts to secure the crown molding Stoppers.
 - [Optional accessories used]
- Crown molding Vise Ass'y (Include Crown molding Stopper (L))
- Crown molding Stopper (L)
- Crown molding Stopper (R)
- (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 knob 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. 49-b**)

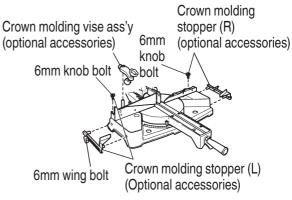
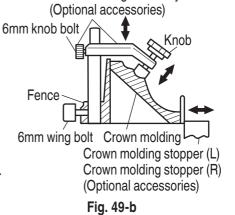


Fig. 49-a

Crown molding vise ass'y



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 (see Fig. 1 on page 56) 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.

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. 49-b on page 79**.

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.

	Position in Fig. 40 on page 76	Miter angle	Finished piece
For inside corner	1	Right 45°	Save the right side of blade
For inside comer	2	Left 45°	Save the left side of blade
For outside corner	3	Leit 45	Save the right side of blade
For outside corner	4	Right 45°	Save the left side of blade

Groove cutting procedures
 Grooves in the workpiece can be cut
 as indicated in Fig. 50 by adjusting
 the 6 mm depth adjustment bolt.

Cutting depth adjustment procedure:

- (1) Turn the stopper holder on the direction shown in Fig. 51.

 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 turntable (see b in **Fig. 50**).

NOTE

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

14. Cutting easily-deformed materials, such as aluminum sash Materials such as aluminum sash can easily deform when tightened too much in a vise assembly. This will cause inefficient cutting and possible overload of the motor. When cutting such materials, use a wood plate to protect the workpiece as shown in **Fig. 52-a**. Set the wood plate near the cutting section.

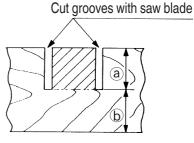


Fig. 50

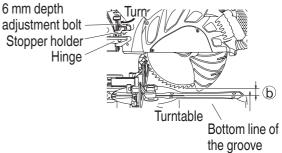
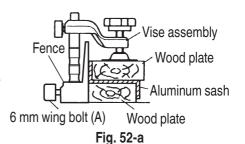


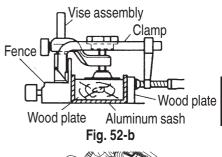
Fig. 51



80

When cutting aluminum materials, coat the saw blade with cutting oil (non-combustible) to achieve smooth cutting and a fine finish. In addition, in case of a U-shaped workpiece, use the wood plate as shown in **Fig. 52-b** to ensure stability in the lateral direction, and clamp it near the cutting section of the workpiece and tighten it using both the vise assembly and the clamp available in the market.

- 15. How to use the dust bag (Standard accessory)
- (1) 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.
- (2) During bevel and compound cutting, attach the dust bag at a right angle to the base surface as shown in **Fig. 53**.



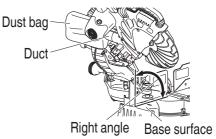


Fig. 53

CAUTION

Empty the dust bag frequently to prevent the duct and the lower guard from becoming clogged.

Sawdust will accumulate more quickly than normal during bevel cutting.

SAW BLADE MOUNTING AND DISMOUNTING

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.

If cutting work is done in a state where the 10 mm bolt is not sufficiently tightened, the 10 mm bolt can get loose, the blade can come off, and the lower guard can get damaged, resulting in injuries.

Also, check that the 10 mm bolts are properly tightened before plugging the power plug into the receptacle.

If the 10 mm bolts are attached or detached using tools other than the 17 mm box wrench (standard accessory), excessive or improperly tightening occurs, resulting in injury.

- Mounting the saw blade (Fig. 54-a, Fig. 54-b, 1. Fig. 54-c and Fig. 54-d)
- Use the Phillips screwdriver to loosen the 5 mm (1) screw fastening the spindle cover and then turn the spindle cover.
- (2)Press in spindle lock and loosen 10 mm bolt with 17 mm box wrench (standard accessory). Since the bolt is left-hand threaded, loosen by turning it to the right as show in Fig. 54-c.



If the spindle lock cannot be easily pressed in to lock the spindle, turn the 10 mm bolt with 17 mm box 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 (B).
- Lift the lower guard and mount the saw blade. (4)

WARNING

When mounting the saw blade, confirm that the rotation indicator mark on the saw blade and the rotation direction of the spindle cover (see Fig. 1 on page 56) 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 wrench(17 mm box wrench) as indicated in Fig. 54-c.

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.

- Confirm that the spindle lock has returned to the retract position after installing or \bigcirc removing the saw blade.
- \bigcirc 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.
- 2. Dismounting the saw blade Dismount the saw blade by reversing the mounting procedures described in paragraph 1 above.

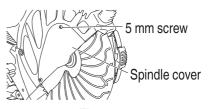


Fig. 54-a



Fig. 54-b

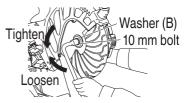
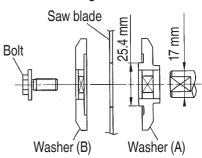


Fig. 54-c





The saw blade can easily be removed after lifting the lower guard.

CAUTION

Never attempt to install saw blades larger than 305 mm in diameter. Always install saw blades that are 305 mm in diameter or less.

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.

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 carbon brushes

For your continued safety and electrical shock protection, carbon brush inspection and replacement on this tool should ONLY be performed by a Hitachi Authorized Service Center.

3. About Handling the Motor (see **Fig. 1 on page 56**)
Winding of the motor is said to be the heart of this tool. Exercise utmost caution not to damage the winding by exposing it to wash oil or water.

NOTE

Accumulation of dust and the like inside the motor can result in a malfunction.

After using the motor for 50 hours or so, carry out no-load running, and blow in the dry air from a wind hole at the motor's rear. Such action is effective to discharge dust and the like.

4. Inspecting the screws

Regularly inspect each component of the power tool for looseness.

Re-tighten screws on any loose part.

WARNING

To prevent personal injury, never operate the power tool if any components are loose.

5. Inspecting the lower guard for proper operation

Before each use of the tool, test the lower guard (see **Fig. 6 on page 61**) 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.

83

6. 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.

7. Replacement of guard (**Fig. 55**)
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. After replacing, make a groove on it. Refer to "1. Cutting a groove on the guard" on page 62.

Replacement of Poly-V-Belt (Fig. 56)
 The power of the motor is transmitted to the saw blade by a Poly-V-Belt. When the Poly-V-Belt is broken or damaged, remove the belt cover by loosening the four 5 mm screws (see Fig. 2 on page 56) and replace the damaged one with

the new one.

When connecting the belt on pulleys, first connect 2 or 3 teeth of Poly-V-Belt to the grooves of the pulley (A) and pulley (B). Then turning the pulley (A) and pulley (B), connect all 13 teeth of the belt to the pulleys.

9. Lubrication

Lubricate the following sliding surfaces once a month to keep the power tool in good operating condition for a long time (**Fig. 1 on page 56** and **Fig. 2 on page 56**). Use of machine oil is recommended.

Oil supply points:

- * Rotary portion of hinge
- * Rotary portion of vise assembly
- * Rotary portion of holder (A)

10. Cleaning

Periodically remove chips, dust and other waste material from the surface of the power tool, especially from the inside of the lower guard with a damp, soapy cloth. To avoid a malfunction of the motor, protect it from contact with oil or water.

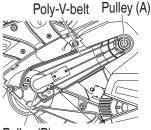
If the laser line becomes invisible due to chips and the like adhered onto the window of the laser marker's light-emitting section, wipe and clean the window with a dry cloth or a soft cloth moistened with soapy water, etc.

11. Replacing supply cord

If the supply cord of Tool is damaged, the Tool must be returned to Hitachi Authorized Service Center for the cord to be replaced.



Fig. 55



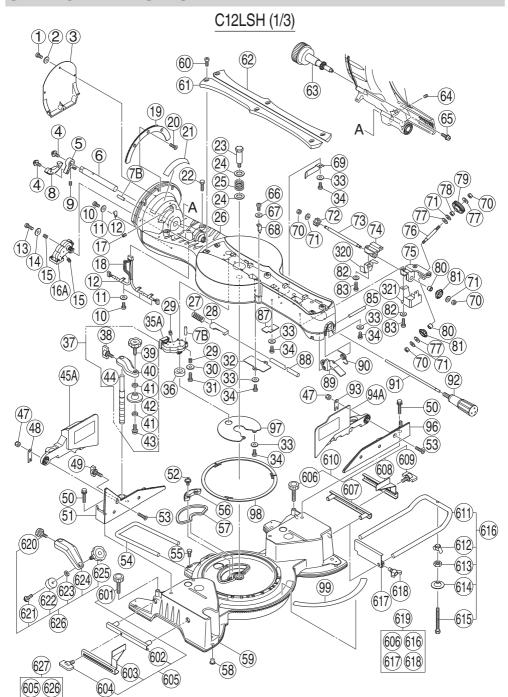
Pulley (B)

Fig. 56

SERVICE AND REPAIRS

All quality power tools will eventually require servicing or replacement of parts because of wear from normal use. To assure that only authorized replacement parts will be used and that the double insulation system will be protected, all service (other than routine maintenance) must be performed by an AUTHORIZED HITACHI POWER TOOL REPAIR CENTER ONLY.

SERVICE PARTS LIST

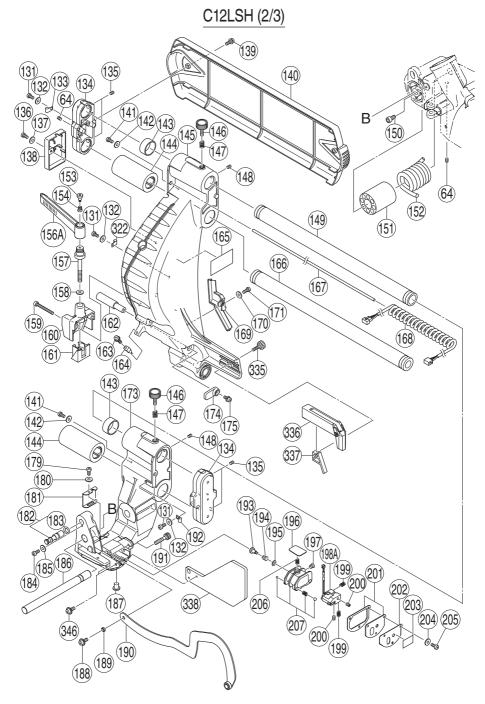


Item No.	Part Name	Q'TY
1	MACHINE SCREW M4 × 12	4
2	BOLT WASHER M4	4
3	COVER (B)	1
4	MACHINE SCREW (W/SP. WASHER) M5 × 16	3
5	SUPPORT (E)	1
6	HOLDER SHAFT	1
7B	NEEDLE D5 × 19.8	2
8	GEAR (A)	1
9	SEAL LOCK HEX. SOCKET SET SCREW M6 × 10	1
10	MACHINE SCREW M4 × 12	4
11	BOLT WASHER M4	4
12	NYLON CLIP	4
13	MACHINE SCREW M5 × 20	1
14	BOLT WASHER M6	1
15	SPRING (C)	2
16A	ENCODER	1
17	NYLOCK HEX. SOCKET SET SCREW M8 × 16	1
18	CORD (C)	1
19	GEAR (A)	1
20	FLAT HD. SCREW M4 × 16	3
21	SCALE (B)	1
22	NYLOCK BOLT M8 × 25	2
23	SHAFT (B)	1
24	BOLT WASHER M16	2
25	SPRING (B)	1
26	TURN TABLE	1
27	SPRING (E)	1
28	STOPPER (A)	1
29	SPRING (C)	2
30	BOLT WASHER M6	1
31	MACHINE SCREW M5 × 20	1
32	PIN COVER	1
33	BOLT WASHER M4	5
34	MACHINE SCREW M4 × 8	5
35A	ENCODER	1

Item No. Part Name Q'TY 36 PACKING (B) 1 37 VISE ASS'Y 1 38 WING BOLT M6 × 12 1 39 KNOB BOLT M10 1 40 SCREW HOLDER 1 41 WASHER 2 42 VISE PLATE 1 43 MACHINE SCREW (W/WASHERS) M5 × 12 1 44 VISE SHAFT 1 45A SUB FENCE (B) 1 47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER			
37 VISE ASS'Y 1 38 WING BOLT M6 × 12 1 39 KNOB BOLT M10 1 40 SCREW HOLDER 1 41 WASHER 2 42 VISE PLATE 1 43 MACHINE SCREW (W/WASHERS) M5 × 12 1 44 VISE SHAFT 1 45A SUB FENCE (B) 1 47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (B) 1	Item No.	Part Name	Q'TY
38 WING BOLT M6 × 12 1 39 KNOB BOLT M10 1 40 SCREW HOLDER 1 41 WASHER 2 42 VISE PLATE 1 43 MACHINE SCREW (W/WASHERS) M5 × 12 1 44 VISE SHAFT 1 45A SUB FENCE (B) 1 47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (B) 1	36	PACKING (B)	1
39 KNOB BOLT M10 1 40 SCREW HOLDER 1 41 WASHER 2 42 VISE PLATE 1 43 MACHINE SCREW (W/WASHERS) M5 × 12 1 44 VISE SHAFT 1 45A SUB FENCE (B) 1 47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (A) 1 62 TABLE INSERT (A) 1 65 MACHINE SCREW M6 × 10 3 <	37	VISE ASS'Y	1
40 SCREW HOLDER 41 WASHER 2 42 VISE PLATE 43 MACHINE SCREW (W/WASHERS) M5 × 12 44 VISE SHAFT 45A SUB FENCE (B) 47 NYLON NUT M6 2 48 PLATE (B) 49 WING BOLT M6 × 17 50 BOLT (W/WASHERS) M8 × 35 51 FENCE (B) 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 53 FLAT HD. SCREW M6 × 25 54 HOLDER 55 BOLT M6 × 10 56 GEAR (A) 57 PACKING (A) 158 BASE RUBBER 4 59 BASE ASS'Y 60 MACHINE SCREW M5 × 16 61 TABLE INSERT (B) 62 TABLE INSERT (A) 63 KNOB (B) 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW (W/WASHERS) M5 × 16 67 BOLT WASHER M4 68 INDICATOR 169 SPACER (A) 1	38	WING BOLT M6 x 12	1
41 WASHER 42 VISE PLATE 43 MACHINE SCREW (W/WASHERS) M5 × 12 44 VISE SHAFT 45A SUB FENCE (B) 47 NYLON NUT M6 48 PLATE (B) 49 WING BOLT M6 × 17 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 53 FLAT HD. SCREW M6 × 25 54 HOLDER 55 BOLT M6 × 10 56 GEAR (A) 57 PACKING (A) 58 BASE RUBBER 4 59 BASE ASS'Y 60 MACHINE SCREW M5 × 16 61 TABLE INSERT (B) 62 TABLE INSERT (A) 63 KNOB (B) 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW (W/WASHERS) M5 × 16 67 BOLT WASHER M4 68 INDICATOR 69 SPACER (A) 1	39	KNOB BOLT M10	1
42 VISE PLATE 1 43 MACHINE SCREW (W/WASHERS) M5 × 12 1 44 VISE SHAFT 1 45A SUB FENCE (B) 1 47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW M6 × 10 1 66 MACHINE SCRE	40	SCREW HOLDER	1
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43 (W/WASHERS) M5 × 12 44 VISE SHAFT 45A SUB FENCE (B) 47 NYLON NUT M6 2 48 PLATE (B) 49 WING BOLT M6 × 17 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 53 FLAT HD. SCREW M6 × 25 54 HOLDER 55 BOLT M6 × 10 56 GEAR (A) 57 PACKING (A) 58 BASE RUBBER 59 BASE ASS'Y 60 MACHINE SCREW M5 × 16 61 TABLE INSERT (B) 62 TABLE INSERT (B) 63 KNOB (B) 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW (W/WASHERS) M5 × 16 67 BOLT WASHER M4 68 INDICATOR 69 SPACER (A) 1	42	VISE PLATE	1
44 VISE SHAFT 1 45A SUB FENCE (B) 1 47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	43		1
47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	44	,	1
47 NYLON NUT M6 2 48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	45A	SUB FENCE (B)	1
48 PLATE (B) 1 49 WING BOLT M6 × 17 1 50 BOLT (W/WASHERS) M8 × 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 × 16 2 53 FLAT HD. SCREW M6 × 25 2 54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	47	` '	2
49 WING BOLT M6 x 17 1 50 BOLT (W/WASHERS) M8 x 35 4 51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 x 16 2 53 FLAT HD. SCREW M6 x 25 2 54 HOLDER 1 55 BOLT M6 x 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 x 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 x 10 3 65 MACHINE SCREW M4 x 12 1 65 MACHINE SCREW M4 x 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	48	PLATE (B)	
51 FENCE (B) 1 52 MACHINE SCREW (W/SP. WASHER) M5 x 16 2 53 FLAT HD. SCREW M6 x 25 2 54 HOLDER 1 55 BOLT M6 x 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 x 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 x 10 3 65 MACHINE SCREW (W/WASHERS) M5 x 16 1 66 MACHINE SCREW M4 x 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	49	` '	1
52 MACHINE SCREW (W/SP. WASHER) M5 × 16 53 FLAT HD. SCREW M6 × 25 54 HOLDER 55 BOLT M6 × 10 56 GEAR (A) 57 PACKING (A) 58 BASE RUBBER 59 BASE ASS'Y 60 MACHINE SCREW M5 × 16 61 TABLE INSERT (B) 62 TABLE INSERT (A) 63 KNOB (B) 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW M4 × 12 67 BOLT WASHER M4 68 INDICATOR 69 SPACER (A) 1	50	BOLT (W/WASHERS) M8 × 35	4
52 (W/SP. WASHER) M5 x 16 2 53 FLAT HD. SCREW M6 x 25 2 54 HOLDER 1 55 BOLT M6 x 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 x 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 x 10 3 65 MACHINE SCREW M6 x 10 1 65 MACHINE SCREW M4 x 12 1 66 MACHINE SCREW M4 x 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	51	FENCE (B)	1
54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	52		2
54 HOLDER 1 55 BOLT M6 × 10 1 56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	53	FLAT HD. SCREW M6 × 25	2
56 GEAR (A) 1 57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	54	HOLDER	
57 PACKING (A) 1 58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	55	BOLT M6 × 10	1
58 BASE RUBBER 4 59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	56	GEAR (A)	1
59 BASE ASS'Y 1 60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 3 65 MACHINE SCREW (W/WASHERS) M5 × 16 1 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	57	PACKING (A)	1
60 MACHINE SCREW M5 × 16 6 61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	58	BASE RUBBER	4
61 TABLE INSERT (B) 1 62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	59	BASE ASS'Y	1
62 TABLE INSERT (A) 1 63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW M4 × 12 167 BOLT WASHER M4 168 INDICATOR 1 69 SPACER (A) 1	60	MACHINE SCREW M5 × 16	6
63 KNOB (B) 1 64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW M4 × 12 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	61	TABLE INSERT (B)	1
64 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	62	TABLE INSERT (A)	1
64 SET SCREW M6 × 10 65 MACHINE SCREW (W/WASHERS) M5 × 16 66 MACHINE SCREW M4 × 12 67 BOLT WASHER M4 68 INDICATOR 69 SPACER (A) 1	63		1
65 (W/WASHERS) M5 × 16 66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	64		3
66 MACHINE SCREW M4 × 12 1 67 BOLT WASHER M4 1 68 INDICATOR 1 69 SPACER (A) 1	65		1
68 INDICATOR 1 69 SPACER (A) 1	66	,	1
69 SPACER (A) 1		BOLT WASHER M4	1
69 SPACER (A) 1	68	INDICATOR	1
70 LOCK NUT M6 4		SPACER (A)	1
	70	LOCK NUT M6	4

Item	Part Name	Q'TY
No.		
71	SPRING WASHER M6	4
72	GEAR (D)	1
73	BEVEL SHAFT (B)	1
74	SHAFT HOLDER (B)	1
	SHAFT HOLDER (A)	1
76	BEVEL SHAFT (A)	1
77	BOLT WASHER M6	3
78	NUT M6	1
79	KNOB (A)	1
80	METAL D8 × 10	2
81	BEVEL GEAR	2
82	SPRING WASHER M5	4
83	MACHINE SCREW M5 × 20	4
85	LEVER SHAFT	1
87	COVER (B)	1
88	SHAFT (C)	1
89	LEVER	1
90	SPRING (D)	1
91	SHAFT (A)	1
92	SIDE HANDLE	1
93	PLATE (A)	1
94A	SUB FENCE (A)	1
96	FENCE (A)	1
97	DUST COVER	1
98	LINER	3
99	SCALE (A)	1
320	GEAR COVER (B)	1
321	GEAR COVER (C)	1
601	KNOB BOLT M6 × 32	1
602	CROWN MOLDING STOPPER HOLDER	1
603	CROWN MOLDING STOPPER (L)	1
604	WING BOLT M6 × 15	1
605	CROWN MOLDING STOPPER (L) ASS'Y	1
606	KNOB BOLT M6 × 32	2

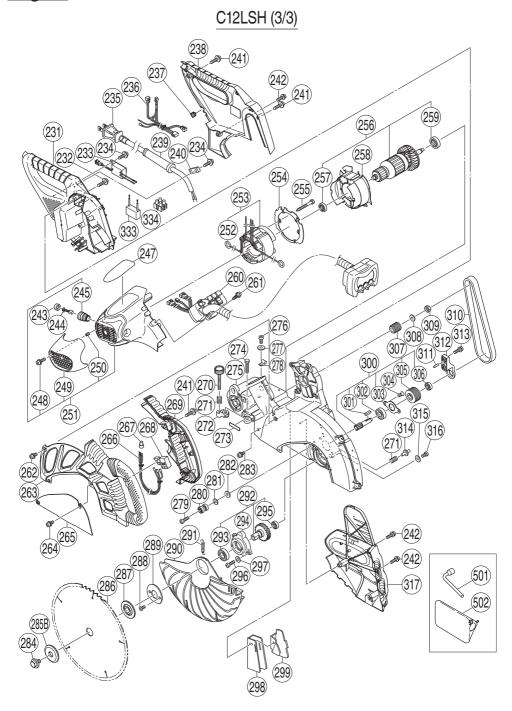
Item No.	Part Name	Q'TY
607	CROWN MOLDING STOPPER HOLDER	1
608	CROWN MOLDING STOPPER (R)	1
609	WING BOLT M6 × 15	1
610	CROWN MOLDING STOPPER (R) ASS'Y	1
611	HOLDER	2
612	WING NUT M6	2
613	NUT M6	2
614	VISE PLATE	2
615	HIGH TENSION BOLT M6 × 95	2
616	HOLDER ASS'Y	2
617	STOPPER	1
618	WING BOLT M6 × 20	1
619	EXTENSION HOLDER AND STOPPER	1
620	KNOB BOLT M6 × 11	1
621	MACHINE SCREW (W/WASHERS) M4 × 10	1
622	BASE RUBBER	1
623	WASHER (H)	1
624	SCREW HOLDER (B)	1
625	KNOB BOLT M10 × 54	1
626	VISE (B) ASS'Y	1
627	CROWN MOLDING VISE ASS'Y	1



Item No.	Part Name	Q'TY
131	MACHINE SCREW M4 × 12	1
132	BOLT WASHER M4	1
133	NYLON CLIP	1
134	SUPPORT	2
135	HEX. SOCKET SET SCREW M8 × 10	4
136	MACHINE SCREW M4 × 12	1
137	BOLT WASHER M4	1
138	COVER (D)	1
139	MACHINE SCREW (W/WASHERS) M5 × 16	2
140	SIDE COVER	1
141	MACHINE SCREW M4 × 8	2
142	BOLT WASHER M4	2
143	BUSHING	2
144	BALL BUSHING	2
145	HOLDER (A)	1
146	KNOB BOLT M6 × 25	2
147	LOCK SPRING	2
148	SEAL LOCK HEX. SOCKET SET SCREW M6 × 10	2
149	SLIDE PIPE (A)	1
150	SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10	1
151	SLEEVE	1
152	SPRING	1
153	CLUTCH SCREW	1
154	CLUTCH SPRING	1
156A	CLAMP LEVER	1
157	BOLT M8 × 65	1
158	BOLT WASHER M8	1
159	HEX. SOCKET HD. BOLT M6 × 50	2
160	STOPPER HOLDER (C)	1
161	STOPPER (C)	1
162	SET PIN (A)	1
163	MACHINE SCREW (W/WASHERS) M4 × 12	2

Item No.	Part Name	Q'TY
164	INDICATOR	2
165	CAUTION LABEL (B)	1
166	SLIDE PIPE (B)	1
167	SHAFT (D)	1
168	CORD (B)	1
169	CORD COVER	1
170	BOLT WASHER M4	1
171	MACHINE SCREW M4 × 16	1
173	HINGE (A)	1
174	GRIP	1
175	MACHINE SCREW	1
1/5	(W/WASHERS) M5 × 16	ı
179		1
180	BOLT WASHER M4	1
181	COVER	1
182	STOPPER PIN ASS'Y	1
183	\ /	1
184	MACHINE SCREW M4 × 8	1
185	BOLT WASHER M4	1
186	HINGE SHAFT (A)	1
187	BASE RUBBER	1
188	MACHINE SCREW M5 × 12	1
189	SPACER	1
190	LINK	1
	ADJUSTER	1
192	NYLON CLIP	1
193	CLUTCH SCREW	1
194	CLUTCH SPRING	1
195	ADJUSTING WASHER (B) T0.5	1
196	PLATE (B)	1
197	CLUTCH SPRING	1
198A	LASER MARKER	1
199	SPRING	2
200	SEAL LOCK HEX. SOCKET SET SCREW M5 × 6	2
201	COVER (A)	1
202	PLATE (A)	1
203	CAUTION LABEL (J)	1

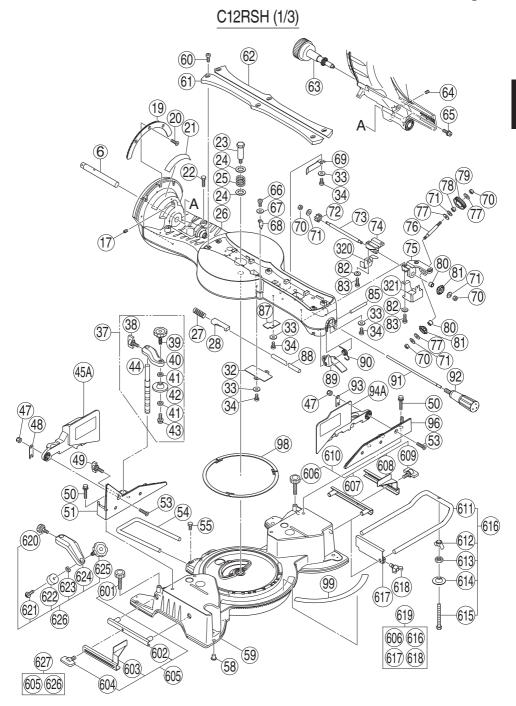
Item No.	Part Name	Q'TY
204	BOLT WASHER M4	3
205	MACHINE SCREW M4 × 12	3
206	SPRING	1
207	HOLDER (B)	1
322	NYLON CLIP	1
335	KNOB BOLT	1
336	GUARD ASS'Y	1
337	GUARD HOLDER	1
338	SUB COVER (FOR AUS)	1
346	MACHINE SCREW (W/WASHER) M5 × 16	2



Item	Part Name	Q'TY
No.	Fait Name	QII
231	HANDLE (L)	1
232	TAPPING SCREW	4
	(W/FLANGE) D5 × 25	
233	SWITCHING POWER SUPPLY	1
234	TAPPING SCREW (W/FLANGE) D4 × 16	3
235	CORD	1
236	INTERNAL WIRE (B)	1
237	CORD BUSH	1
238	HANDLE (R)	1
239	CORD ARMOR D10.1	1
240	CORD CLIP	1
241	TAPPING SCREW (W/FLANGE) D4 × 20	6
	MACHINE SCREW	
242	(W/WASHERS) M5 × 25	5
243	BRUSH CAP	2
244		2
245	BRUSH HOLDER	2
247	NAME PLATE	1
040	MACHINE SCREW	0
248	(W/WASHERS) M5 × 16	2
249	TAIL COVER	1
250	HEX. SOCKET SET SCREW M5 × 8	2
251	HOUSING ASS'Y	1
252	BRUSH TERMINAL	2
253	STATOR ASS'Y	1
254	END PLATE	1
255	HEX. HD. TAPPING SCREW D5 × 50	2
256	ARMATURE ASS'Y	1
257	BALL BEARING 6000VVCMPS2L	1
258	FAN GUIDE	1
259	BALL BEARING 6201VVCMPS2L	1
260	MONITOR	1

Item No.	Part Name	Q'TY
1 クムコー	TAPPING SCREW (W/FLANGE) D4 × 30	2
262	MACHINE SCREW (W/WASHERS) M5 × 10	1
-	SWITCH HANDLE (L)	1
1 264 1	MACHINE SCREW (W/WASHERS) M5 × 12	2
_	SPINDLE COVER	1
266	INTERNAL WIRE (A)	1
	CONNECTOR 50092	4
268	SWITCH (3P FASTON TYPE) W/O LOCK	1
269	SWITCH HANDLE (R)	1
270	KNOB BOLT M6 × 37	1
271	LOCK SPRING	2
272	STOPPER HOLDER	1
273	SPRING PLATE	1
274	NYLOCK BOLT M8 × 40	1
275	GEAR CASE	1
276	MACHINE SCREW M4 × 12	1
277	BOLT WASHER M4	1
278	NYLON CLIP	1
279	MACHINE SCREW M6 × 25	1
280	BALL BEARING 606ZZC2PS2L	2
281	SPRING WASHER M6	1
282	WASHER M6	1
レンススー	MACHINE SCREW (W/WASHERS) M4 × 12	1
284	BOLT (A) M10	1
285B	WASHER (B)	1
ロンメムー	TCT SAW BLADE 305MM-D25.4 HOLE-NT60	1
	WASHER (A)	1
288	FLAT HD. SCREW M4 × 10	2
289	COVER	1
290	PROTECTIVE COVER	1
	RETURN SPRING (A)	1
292	SPINDLE ASS'Y	1

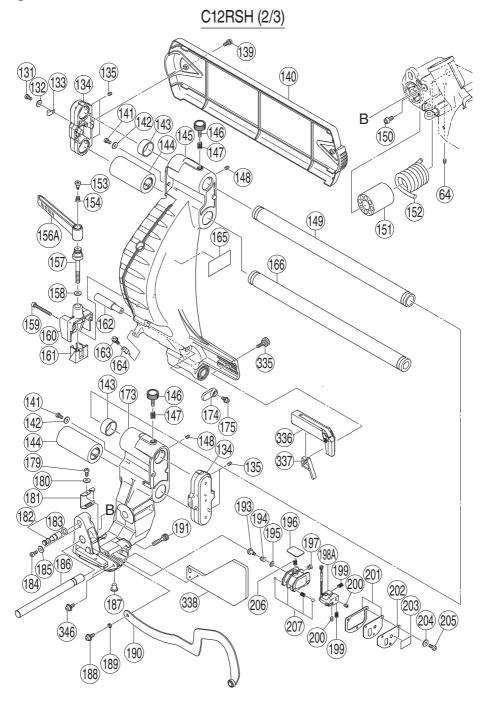
Itam		
Item No.	Part Name	Q'TY
293	BALL BEARING 6003DDCMPS2S	1
294	BEARING HOLDER	1
295	BALL BEARING 608VVC2PS2L	1
296	MACHINE SCREW M5 × 20	2
297	SPRING WASHER M5	2
298	DUST GUIDE	1
299	GUIDE HOLDER	1
300	PINION ASS'Y	1
301	FEATHER KEY 4 × 4 × 15	1
302	BALL BEARING 6201VVCMPS2L	1
303	COVER (C)	1
304	FLAT HD. SCREW M4 × 10	2
305	PULLEY (B)	1
306	BALL BEARING 608VVC2NS7L	1
307	PULLEY (A)	1
308	SUPER LOCK WASHER	1
309	NUT M10 (10 PCS.)	1
310	BELT (200H10) 16 × 508	1
311	NEEDLE ROLLER	2
312	\ /	1
313	MACHINE SCREW (W/WASHERS) M5 × 20	2
314	STOPPER PIN	1
315	BOLT WASHER M4	1
316	MACHINE SCREW M4 × 8	1
317	PULLEY COVER	1
333	NOISE SUPPRESSOR	1
334	PILLAR TERMINAL (A)	1
501	BOX WRENCH 17MM	1
502	DUST BAG	1



14		
Item No.	Part Name	Q'TY
6	HOLDER SHAFT	1
17	NYLOCK HEX. SOCKET SET SCREW M8 × 16	1
19	GEAR (A)	1
20	FLAT HD. SCREW M4 × 16	3
21	SCALE (B)	1
22	NYLOCK BOLT M8 × 25	2
23	SHAFT (B)	1
24	BOLT WASHER M16	2
25	SPRING (B)	1
26	TURN TABLE	1
27	SPRING (E)	1
28	STOPPER (A)	1
32	PIN COVER	1
33	BOLT WASHER M4	4
34	MACHINE SCREW M4 × 8	4
37	VISE ASS'Y	1
38	WING BOLT M6 × 12	1
39	KNOB BOLT M10	1
40	SCREW HOLDER	1
	WASHER	2
42	VISE PLATE	1
43	MACHINE SCREW (W/WASHERS) M5 × 12	1
44	VISE SHAFT	1
45A	SUB FENCE (B)	1
47	NYLON NUT M6	2
48	PLATE (B)	1
49	WING BOLT M6 × 17	1
50	BOLT (W/WASHERS) M8 × 35	4
51	FENCE (B)	1
53	FLAT HD. SCREW M6 × 25	2
54	HOLDER	1
55	BOLT M6 × 10	1
58	BASE RUBBER	4
59	BASE ASS'Y	1
60	MACHINE SCREW M5 × 16	6
61	TABLE INSERT (B)	1

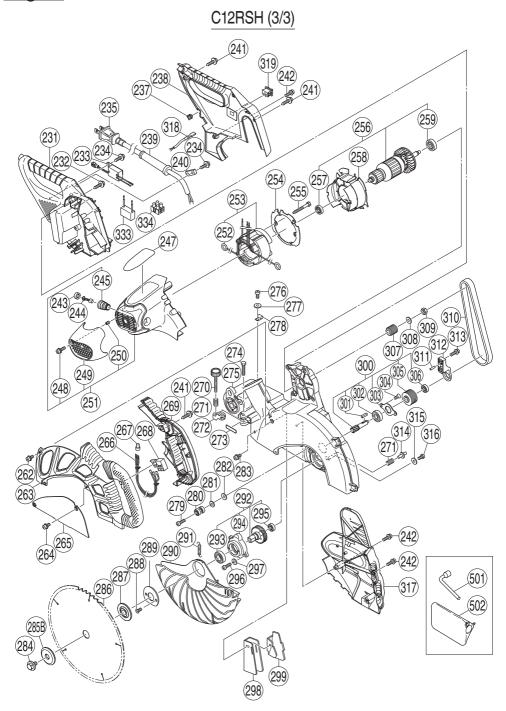
Item No.	Part Name	Q'TY
62	TABLE INSERT (A)	1
63	KNOB (B)	1
64	SEAL LOCK HEX. SOCKET SET SCREW M6 × 10	2
65	MACHINE SCREW (W/WASHERS) M5 × 16	1
66	MACHINE SCREW M4 × 12	1
67	BOLT WASHER M4	1
68	INDICATOR	1
69	SPACER (A)	1
70	LOCK NUT M6	4
71	SPRING WASHER M6	4
72	GEAR (D)	1
73	BEVEL SHAFT (B)	1
74	SHAFT HOLDER (B)	1
75	SHAFT HOLDER (A)	1
76	BEVEL SHAFT (A)	1
77	BOLT WASHER M6	3
78	NUT M6	1
79	KNOB (A)	1
80	METAL D8 × 10	2
81	BEVEL GEAR	2
82	SPRING WASHER M5	4
83	MACHINE SCREW M5 × 20	4
85	LEVER SHAFT	1
87	COVER (B)	1
88	SHAFT (C)	1
89	LEVER	1
90	SPRING (D)	1
91	SHAFT (A)	1
92	SIDE HANDLE	1
93	PLATE (A)	1
94A	SUB FENCE (A)	1
96	FENCE (A)	1
98	LINER	3
99	SCALE (A)	1
320	GEAR COVER (B)	1
321	GEAR COVER (C)	1

Item No.	Part Name	Q'TY
601	KNOB BOLT M6 × 32	1
602	CROWN MOLDING STOPPER HOLDER	1
603	CROWN MOLDING STOPPER (L)	1
604	WING BOLT M6 × 15	1
605	CROWN MOLDING STOPPER (L) ASS'Y	1
606	KNOB BOLT M6 × 32	2
607	CROWN MOLDING STOPPER HOLDER	1
608	CROWN MOLDING STOPPER (R)	1
609	WING BOLT M6 × 15	1
610	CROWN MOLDING STOPPER (R) ASS'Y	1
611	HOLDER	2
612	WING NUT M6	2
613	NUT M6	2
614	VISE PLATE	2
615	HIGH TENSION BOLT M6 × 95	2
616	HOLDER ASS'Y	2
617	STOPPER	1
618	WING BOLT M6 × 20	1
619	EXTENSION HOLDER AND STOPPER	1
620	KNOB BOLT M6 × 11	1
621	MACHINE SCREW (W/WASHERS) M4 × 10	1
622	BASE RUBBER	1
623	WASHER (H)	1
624	SCREW HOLDER (B)	1
625	KNOB BOLT M10 × 54	1
626	VISE (B) ASS'Y	1
627	CROWN MOLDING VISE ASS'Y	1



Part Name Q'TY	14.0.00		
132 BOLT WASHER M4 1 133 NYLON CLIP 1 134 SUPPORT 2 135 HEX. SOCKET SET SCREW M8 × 10 4 139 MACHINE SCREW M8 × 16 2 140 SIDE COVER 1 141 MACHINE SCREW M4 × 8 2 142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 1 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SCREW 1 157 BOLT M8 × 65 1 158 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD.	Item No.	Part Name	Q'TY
133 NYLON CLIP 1 134 SUPPORT 2 135 HEX. SOCKET SET SCREW M8 × 10 4 139 MACHINE SCREW (W/WASHERS) M5 × 16 2 140 SIDE COVER 1 141 MACHINE SCREW M4 × 8 2 142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 1 150 SEAL LOCK HEX. SOCKET D. 1 150 SEAL LOCK HEX. SOCKET HD. 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 155 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 </td <td>131</td> <td>MACHINE SCREW M4 × 12</td> <td>1</td>	131	MACHINE SCREW M4 × 12	1
134 SUPPORT 2 135 HEX. SOCKET SET SCREW M8 × 10 4 139 MACHINE SCREW (W/WASHERS) M5 × 16 2 140 SIDE COVER 1 141 MACHINE SCREW M4 × 8 2 142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SCREW 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PI	132	BOLT WASHER M4	1
135 HEX. SOCKET SET SCREW M8 × 10 4 139 MACHINE SCREW (W/WASHERS) M5 × 16 2 140 SIDE COVER 1 141 MACHINE SCREW M4 × 8 2 142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 1 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SCREW 1 155 BOLT M8 × 65 1 158 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER HOLDER (C) 1	133	NYLON CLIP	1
135 M8 × 10 4 139 MACHINE SCREW (W/WASHERS) M5 × 16 2 140 SIDE COVER 1 141 MACHINE SCREW M4 × 8 2 142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SCREW 1 155 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 1	134	SUPPORT	2
139 (W/WASHERS) M5 × 16 2 140 SIDE COVER 1 141 MACHINE SCREW M4 × 8 2 142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SCREW 1 155 CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW 2 </td <td>135</td> <td></td> <td>4</td>	135		4
141 MACHINE SCREW M4 × 8 2 142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. 1 150 BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 155 BOLT M8 × 65 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER HOLDER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR	139		
142 BOLT WASHER M4 2 143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET 2 SET SCREW M6 × 10 1 150 SEAL LOCK HEX. SOCKET HD. 1 150 BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SCREW 1 1554 CLUTCH SPRING 1 156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 <	140	SIDE COVER	
143 BUSHING 2 144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. 1 BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	141	MACHINE SCREW M4 × 8	2
144 BALL BUSHING 2 145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. 1 BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	142	BOLT WASHER M4	2
145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 1 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	143	BUSHING	2
145 HOLDER (A) 1 146 KNOB BOLT M6 × 25 2 147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 1 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	144	BALL BUSHING	2
147 LOCK SPRING 2 148 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 1 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	145	HOLDER (A)	1
148 SEAL LOCK HEX. SOCKET SET SCREW M6 × 10 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	146	KNOB BOLT M6 × 25	2
148 SET SCREW M6 × 10 2 149 SLIDE PIPE (A) 1 150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	147	LOCK SPRING	2
150 SEAL LOCK HEX. SOCKET HD. BOLT M5 × 10 1 151 SLEEVE 1 152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	148		2
150 BOLT M5 × 10 1 151 SLEEVE	149	SLIDE PIPE (A)	1
152 SPRING 1 153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	150		1
153 CLUTCH SCREW 1 154 CLUTCH SPRING 1 156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	151	SLEEVE	1
154 CLUTCH SPRING 1 156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 164 INDICATOR 2 165 CAUTION LABEL (B) 1	152	SPRING	1
156A CLAMP LEVER 1 157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	153	CLUTCH SCREW	1
157 BOLT M8 × 65 1 158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	154	CLUTCH SPRING	1
158 BOLT WASHER M8 1 159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	156A	CLAMP LEVER	1
159 HEX. SOCKET HD. BOLT M6 × 50 2 160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	157	BOLT M8 × 65	1
160 STOPPER HOLDER (C) 1 161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	158	BOLT WASHER M8	1
161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	159	HEX. SOCKET HD. BOLT M6 × 50	2
161 STOPPER (C) 1 162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1			
162 SET PIN (A) 1 163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1		\ /	1
163 MACHINE SCREW (W/WASHERS) M4 × 12 2 164 INDICATOR 2 165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1	162	\ /	1
165 CAUTION LABEL (B) 1 166 SLIDE PIPE (B) 1			2
166 SLIDE PIPE (B) 1	164		2
166 SLIDE PIPE (B) 1	165	CAUTION LABEL (B)	1
` '		SLIDE PIPE (B)	1
		` '	1

Item	David Name	OTV
No.	Part Name	Q'TY
174	GRIP	1
175	MACHINE SCREW (W/WASHERS) M5 × 16	1
179	MACHINE SCREW M4 × 8	1
180	BOLT WASHER M4	1
181	COVER	1
182	STOPPER PIN ASS'Y	1
183	O-RING (P-9)	1
184	MACHINE SCREW M4 × 8	1
185	BOLT WASHER M4	1
186	HINGE SHAFT (A)	1
187	BASE RUBBER	1
188	MACHINE SCREW M5 × 12	1
189	SPACER	1
190	LINK	1
191	ADJUSTER	1
193	CLUTCH SCREW	1
194	CLUTCH SPRING	1
195	ADJUSTING WASHER (B) T0.5	1
196	PLATE (B)	1
197	CLUTCH SPRING	1
198A	LASER MARKER	1
199	SPRING	2
200	SEAL LOCK HEX. SOCKET SET SCREW M5 × 6	2
201	COVER (A)	1
202	PLATE (A)	1
203	CAUTION LABEL (J)	1
204	BOLT WASHER M4	3
205	MACHINE SCREW M4 × 12	3
206	SPRING	1
207	HOLDER (B)	1
335	KNOB BOLT	1
336	GUARD ASS'Y	1
337	GUARD HOLDER	1
338	SUB COVER	1
346	MACHINE SCREW (W/WASHER) M5 × 16	2



Item		
No.	Part Name	Q'TY
231	HANDLE (L)	1
232	TAPPING SCREW (W/FLANGE) D5 × 25	4
233	SWITCHING POWER SUPPLY	1
234	TAPPING SCREW (W/FLANGE) D4 × 16	3
235	CORD	1
237	CORD BUSH	1
238	HANDLE (R)	1
239	CORD ARMOR D10.1	1
240	CORD CLIP	1
241	TAPPING SCREW (W/FLANGE) D4 × 20	6
242	MACHINE SCREW (W/WASHERS) M5 × 25	5
243	BRUSH CAP	2
244	CARBON BRUSH	2
245	BRUSH HOLDER	2
247	NAME PLATE	1
248	MACHINE SCREW (W/WASHERS) M5 × 16	2
249	TAIL COVER	1
250	HEX. SOCKET SET SCREW M5 × 8	2
251	HOUSING ASS'Y	1
252	BRUSH TERMINAL	2
253	STATOR ASS'Y	1
254	END PLATE	1
255	HEX. HD. TAPPING SCREW D5 × 50	2
256	ARMATURE ASS'Y	1
257	BALL BEARING 6000VVCMPS2L	1
258	FAN GUIDE	1
259	BALL BEARING 6201VVCMPS2L	1
262	MACHINE SCREW (W/WASHERS) M5 × 10	1
263	SWITCH HANDLE (L)	1

No. Part Name Q 1 Y 264 MACHINE SCREW (W/WASHERS) M5 × 12 2 265 SPINDLE COVER 1 266 INTERNAL WIRE (A) 1 267 CONNECTOR 50092 4 268 SWITCH (3P FASTON TYPE) W/O LOCK 1 269 SWITCH HANDLE (R) 1 270 KNOB BOLT M6 × 37 1 271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW W(W/WASHERS) M4 × 12 1 284 BOLT (A) M10 </th <th>Item</th> <th>D</th> <th>OITV</th>	Item	D	OITV
264		Part Name	Q'TY
265 SPINDLE COVER 1 266 INTERNAL WIRE (A) 1 267 CONNECTOR 50092 4 268 SWITCH (3P FASTON TYPE) W/O LOCK 1 269 SWITCH HANDLE (R) 1 270 KNOB BOLT M6 × 37 1 271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285 WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT6	264		2
266 INTERNAL WIRE (A) 1 267 CONNECTOR 50092 4 268 SWITCH (3P FASTON TYPE) W/O LOCK 1 269 SWITCH HANDLE (R) 1 270 KNOB BOLT M6 × 37 1 271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10	265	,	1
267 CONNECTOR 50092 4 268 SWITCH (3P FASTON TYPE) W/O LOCK 1 269 SWITCH HANDLE (R) 1 270 KNOB BOLT M6 × 37 1 271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10<			-
268 SWITCH (3P FASTON TYPE) 1 269 SWITCH HANDLE (R) 1 270 KNOB BOLT M6 × 37 1 271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1		· /	
269 SWITCH HANDLE (R) 1 269 SWITCH HANDLE (R) 1 270 KNOB BOLT M6 × 37 1 271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW 1 (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 <			-
270 KNOB BOLT M6 × 37 1 271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW 1 (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y	268		1
271 LOCK SPRING 2 272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 608VVC2PS2L 1 294		SWITCH HANDLE (R)	-
272 STOPPER HOLDER 1 273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 608VVC2PS2L 1 294 BEARING HOLDER 1	270	KNOB BOLT M6 × 37	
273 SPRING PLATE 1 274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 608VVC2PS2L 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1 <td>271</td> <td>LOCK SPRING</td> <td></td>	271	LOCK SPRING	
274 NYLOCK BOLT M8 × 40 1 275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	272	STOPPER HOLDER	1
275 GEAR CASE 1 276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	273	SPRING PLATE	1
276 MACHINE SCREW M4 × 12 1 277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW 1 (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 608VVC2PS2L 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	274	NYLOCK BOLT M8 × 40	1
277 BOLT WASHER M4 1 278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	275	GEAR CASE	1
278 NYLON CLIP 1 279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	276	MACHINE SCREW M4 × 12	1
279 MACHINE SCREW M6 × 25 1 280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	277	BOLT WASHER M4	1
280 BALL BEARING 606ZZC2PS2L 2 281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	278	NYLON CLIP	1
281 SPRING WASHER M6 1 282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	279	MACHINE SCREW M6 × 25	1
282 WASHER M6 1 283 MACHINE SCREW (W/WASHERS) M4 × 12 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	280	BALL BEARING 606ZZC2PS2L	2
283 MACHINE SCREW (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	281	SPRING WASHER M6	1
283 (W/WASHERS) M4 × 12 1 284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	282	WASHER M6	1
284 BOLT (A) M10 1 285B WASHER (B) 1 286 TCT SAW BLADE 305MM- D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	202	MACHINE SCREW	1
285B WASHER (B) 1 286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	200	(W/WASHERS) M4 × 12	1
286 TCT SAW BLADE 305MM-D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	284	. ,	
286 D25.4 HOLE-NT60 1 287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 1 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	285B	. ,	1
287 WASHER (A) 1 288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	286		1
288 FLAT HD. SCREW M4 × 10 2 289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1			
289 COVER 1 290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1			
290 PROTECTIVE COVER 1 291 RETURN SPRING 1 292 SPINDLE ASS'Y 1 293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1			
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293 BALL BEARING 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1			
293 6003DDCMPS2S 1 294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	292		1
294 BEARING HOLDER 1 295 BALL BEARING 608VVC2PS2L 1	293		1
295 BALL BEARING 608VVC2PS2L 1	294		1
			-
	296	MACHINE SCREW M5 × 20	2

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Item No.	Part Name	Q'TY
	SPRING WASHER M5	2
298	DUST GUIDE	1
299	GUIDE HOLDER	1
300	PINION ASS'Y	1
301	FEATHER KEY 4 × 4 × 15	1
302	BALL BEARING 6201VVCMPS2L	1
303	COVER (C)	1
304	FLAT HD. SCREW M4 × 10	2
305	PULLEY (B)	1
306	BALL BEARING 608VVC2NS7L	1
307	PULLEY (A)	1
308	SUPER LOCK WASHER	1
309	NUT M10	1
310	BELT (200H10) 16 × 508	1
311	NEEDLE ROLLER	2
312	BEARING HOLDER (B)	1
313	MACHINE SCREW (W/WASHERS) M5 × 20	2
314	STOPPER PIN	1
315	BOLT WASHER M4	1
316	MACHINE SCREW M4 × 8	1
317	PULLEY COVER	1
318	INTERNAL WIRE (C)	1
319	SWITCH (W/COVER)	1
333	NOISE SUPPRESSOR	1
334	` '	1
501	BOX WRENCH 17MM	1
502	DUST BAG	1



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707

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