



ELECTRIC KNIFE SHARPENER

MODEL: KE-500

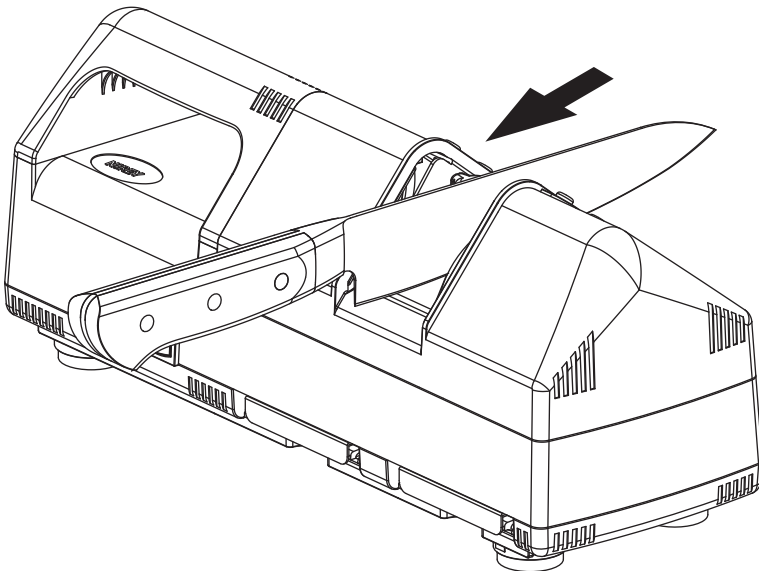
PATENTS

TAIWAN	PATENT NO 80046,75645, 78565
CHINA	PATENT NO ZL 93 2 25297.4
FRANCE	PATENT NO 0109734
USA	PATENT NO 5,397,26

New Patents in Taiwan, China,
France, USA, etc, are pending

USER MANUAL

**(READ THIS MANUAL BEFORE USING
AND SAVE IT FOR FUTURE USE)**



IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be followed including the following:

- a). Read all instructions.
- b). To protect against risk of electrical shock do not immerse cord, plugs, or portable appliances in water or other liquid.
- c). This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they are closely supervised and instructed concerning use of the appliance by a person responsible for their safety. Close supervision is necessary when any appliance is used by or near children. Children should be supervised to ensure that they do not play with the appliance.
- d). Turn the appliance OFF, then unplug from the outlet when not in use, before assembling or disassembling parts and before cleaning. To unplug, grasp the plug and pull from the outlet. Never pull from the power cord.
- e). Always switch the appliance to the "OFF" position before putting into the wall outlet. To disconnect, set the switch to the "OFF" position before removing the plug from the wall outlet.
- f). Avoid contacting moving parts.
- g). Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions, or is dropped or damaged in any manner. Contact the manufacturer at their customer service email address or website for information on examination, repair, or adjustment.
- h). The use of attachments not recommended or sold by the manufacturer may cause fire, electric shock or injury.
- i). Do not use outdoors.
- j). Do not let cord hang over edge of table or counter.
- k). Do not let cord contact hot surfaces and do not place the appliance on or near a hot stove burner or in a heated oven.
- l). Do not use this appliance for other than its intended use.
- m). This appliance has polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.
- n). Carefully route the power supply cord to avoid damage from the knife blades while sharpening.
- o). Household Use Only.

SAVE THESE INSTRUCTIONS

NIREY MANUFACTURER CO., LTD
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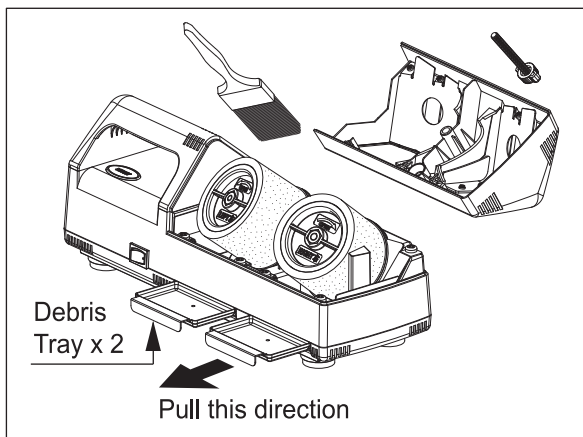
OPERATION

1. Before using this sharpener, ensure that your knife is **CLEAN** and **DRY**.
2. When sharpening a blunt knife on this machine for the first time, it is recommended you use a **MEDIUM** or **ROUGH** abrasive belt to re-profile the knife. Once your knives have been re-profiled, change to **FINE** abrasive belts to complete the sharpening process and to hone the knife edge.
3. Select the **ANGLE GUIDE** according to the knives being sharpened(See Page 3 & 4)
4. See Fig.1(Page 5) for the correct knife placement in the slots. Start on the left slot. The heel of your knife should be up against the central angle guide. With a slow smooth movement draw the knife back towards you keeping the knife edge parallel to the bench.
5. Move the knife to the right slot and repeat.
6. It is important to alternate left slot then right slot to keep uniformity on the knife edge as the knife is being sharpened.
7. The left slot sharpens the left side of the knife blade and the right slot sharpens the right side.

THE FOLLOWING PAGES CONTAIN ILLUSTRATIONS ON HOW TO USE THIS MACHINE

MAINTENANCE

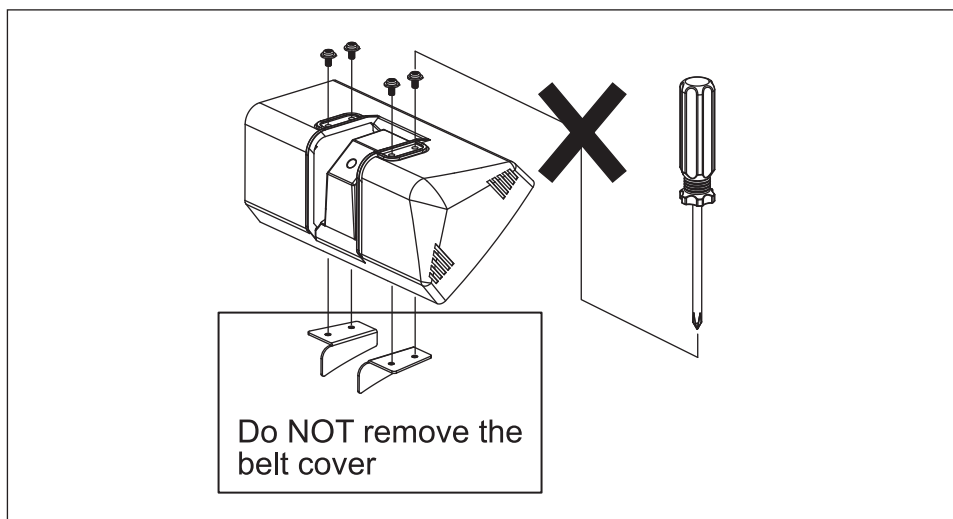
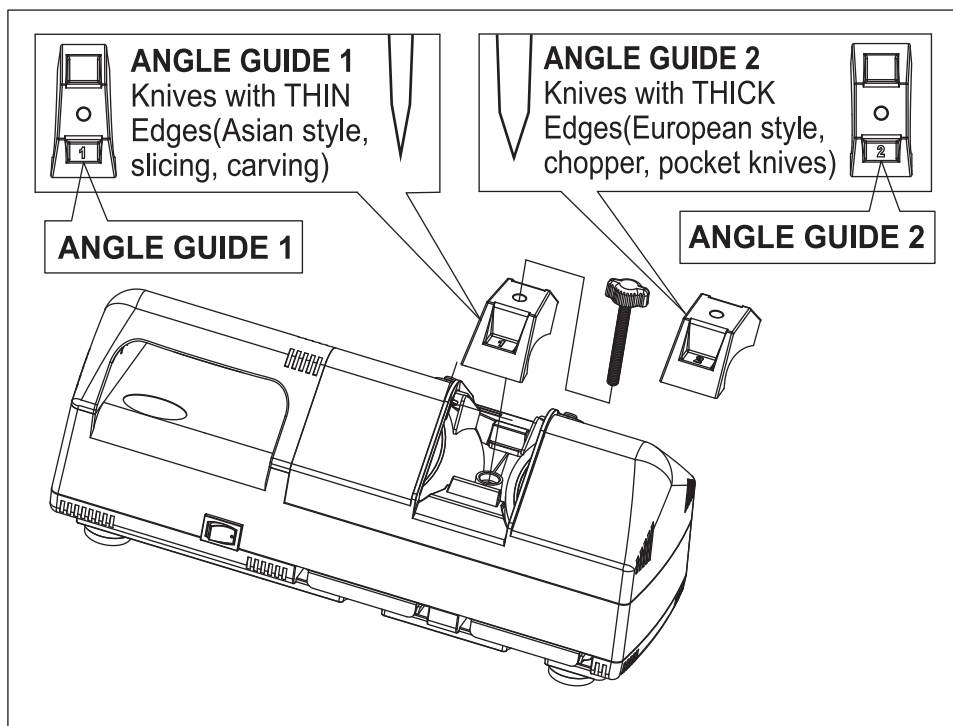
It is best practice to clean the machine after every use. Regular cleaning extends the life of your belts and prevents small metal particles collecting around moving parts.



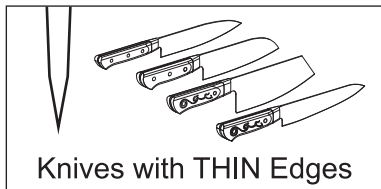
Step 1:
Remove the upper cover. Slightly tap the machine or use brush to clean the debris.

Step 2:
Pull the debris tray out and clean the debris in the tray.

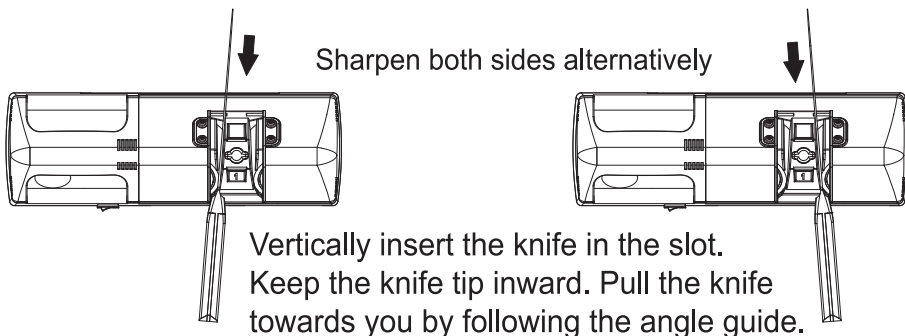
ANGLE GUIDE 1 & 2



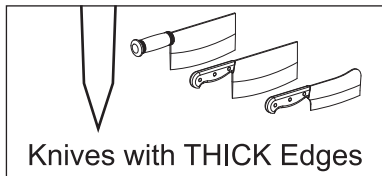
ANGLE GUIDE 1- THIN EDGES



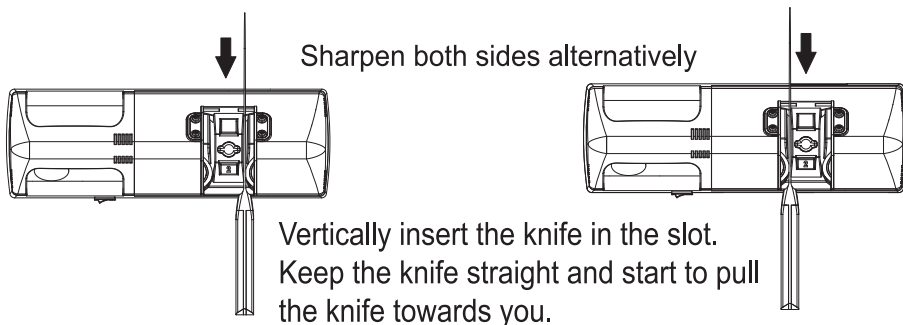
Use Angle Guide 1 to sharpen Knives with THIN Edges(Asian style, slicing, carving).



ANGLE GUIDE 2- THICK EDGES

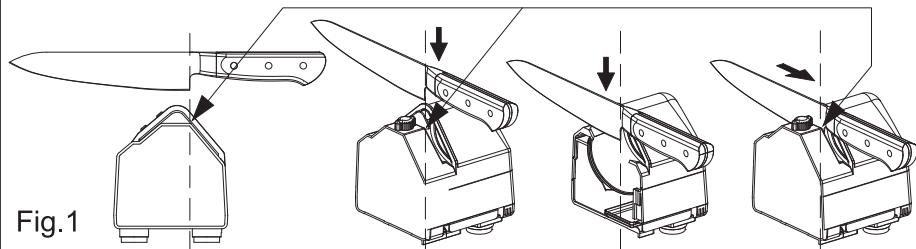


Use Angle Guide 2 to sharpen Knives with THICK Edges(European style, choppers, pocket knives).

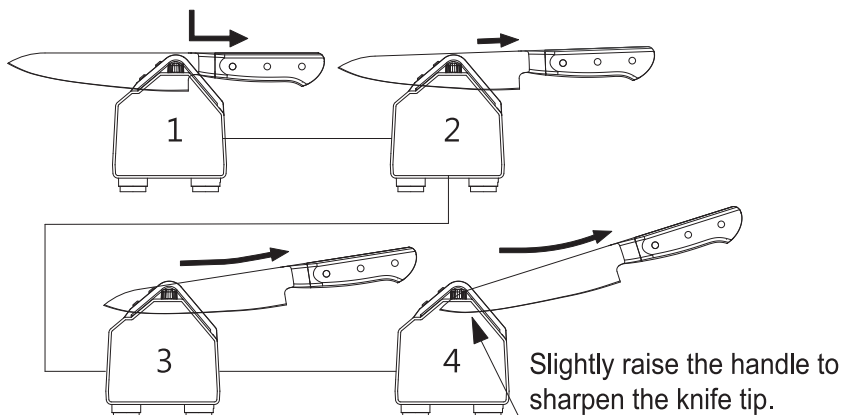


CORRECT POSITION & DIRECTION

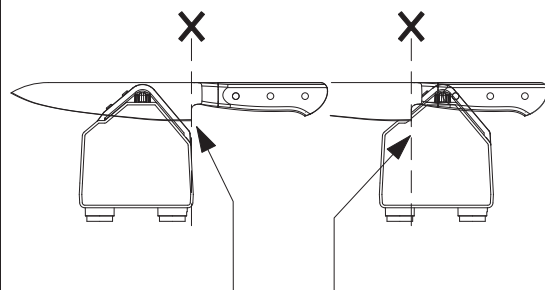
CORRECT KNIFE ENTERING POSITION



CORRECT KNIFE SHARPENING DIRECTION

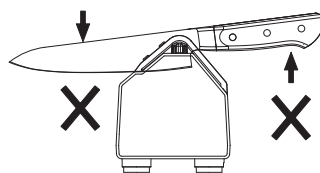


INCORRECT POSITION



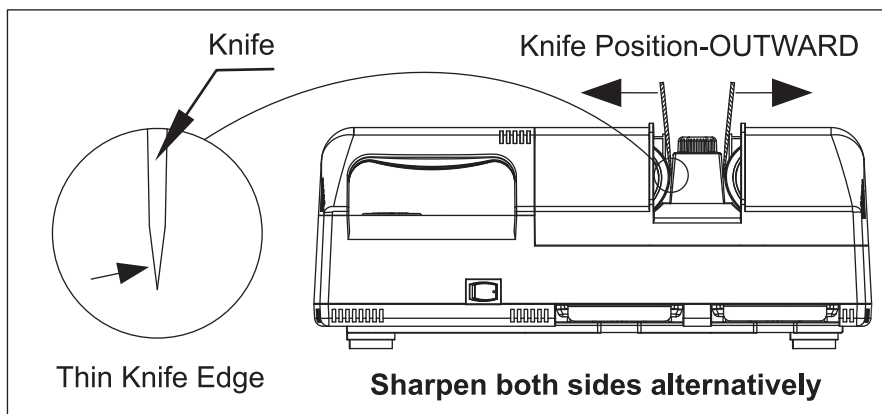
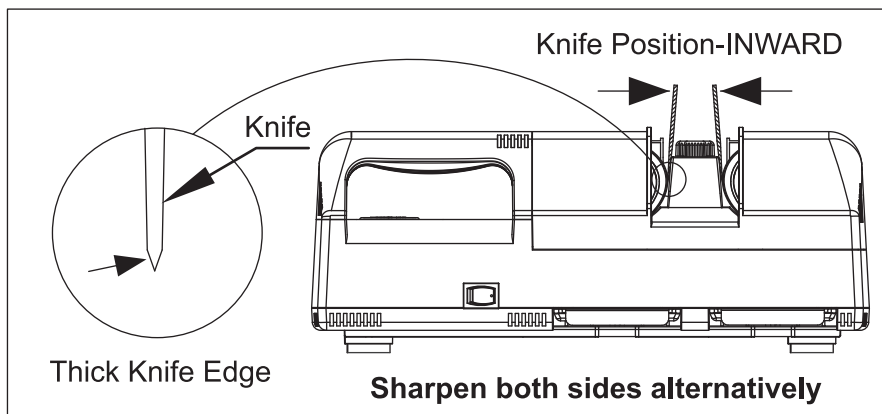
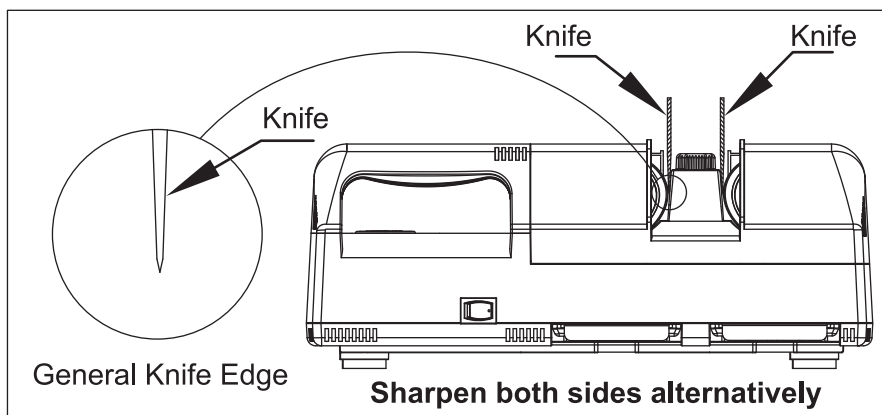
Too far beyond the correct position

Do not press down the knife tip and raise the handle.

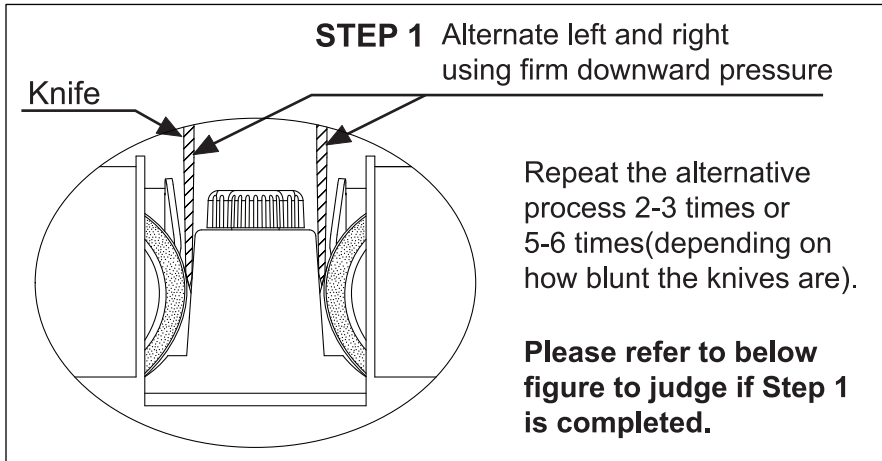
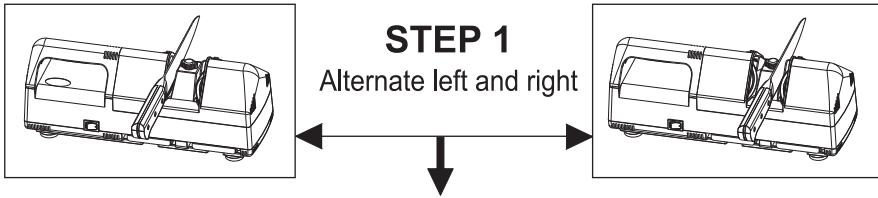


Keep the knife horizontal to the knife sharpener(Fig.1).

SHARPEN DIFFERENT KNIFE ANGLES

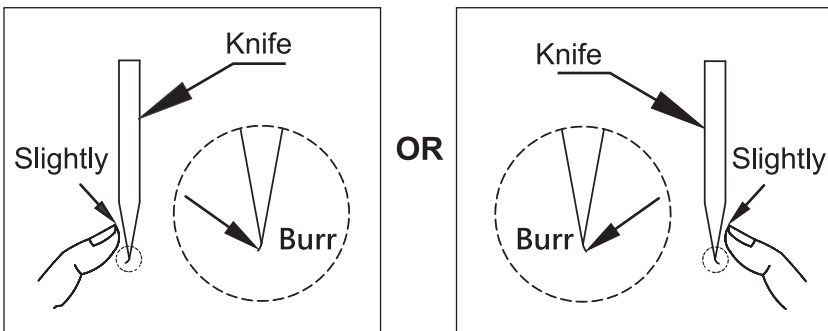


RAZOR SHARP AS NEW- STEP 1



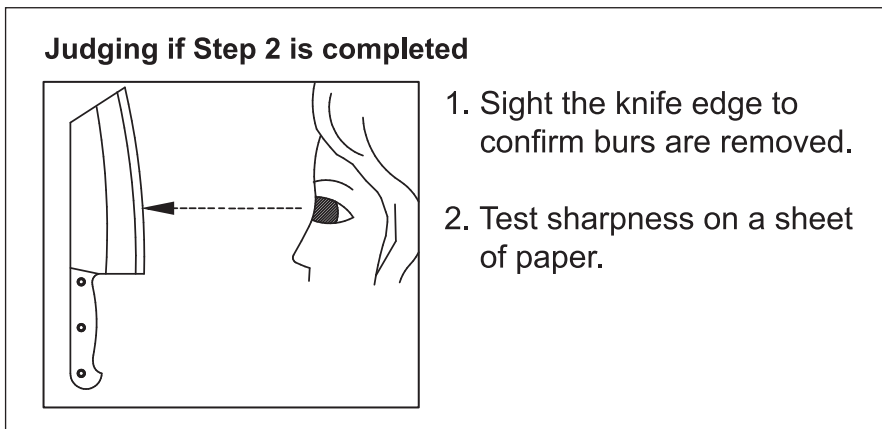
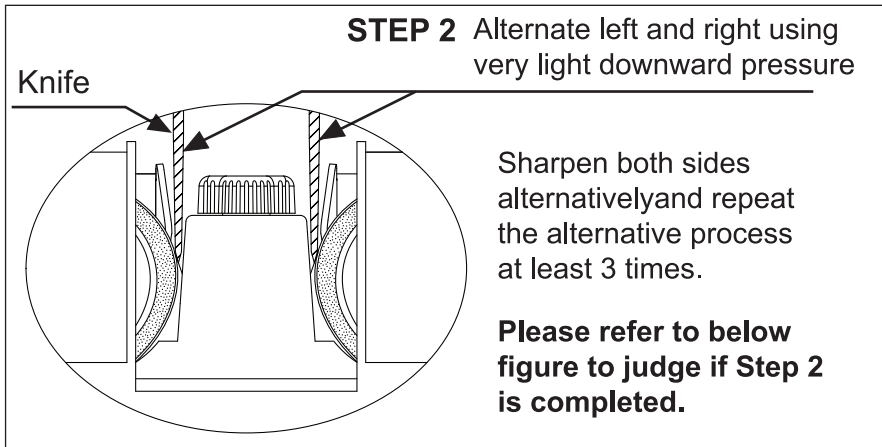
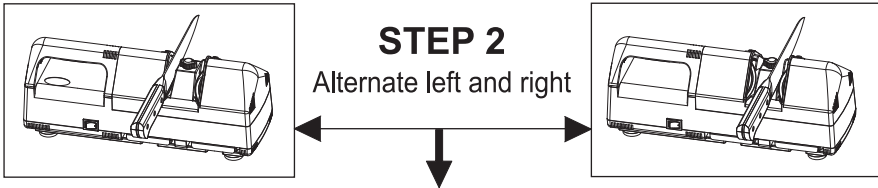
Judging if Step 1 is completed

The burrs will appear in the left or right side of the blade.



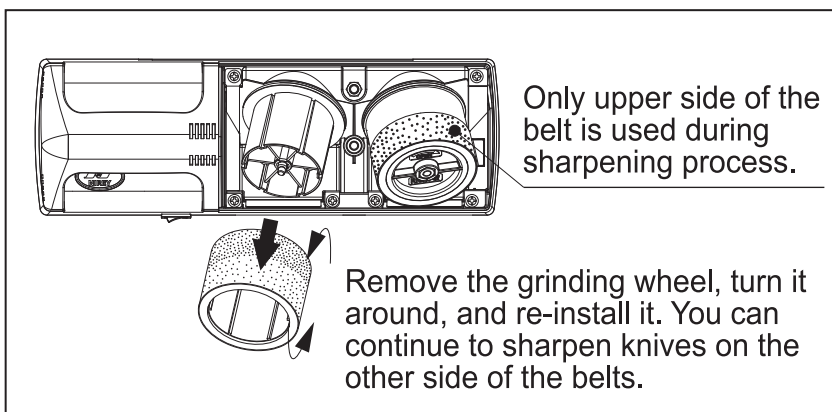
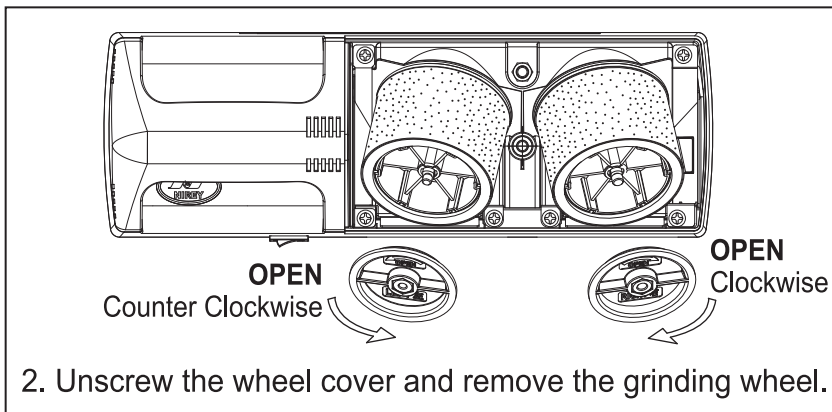
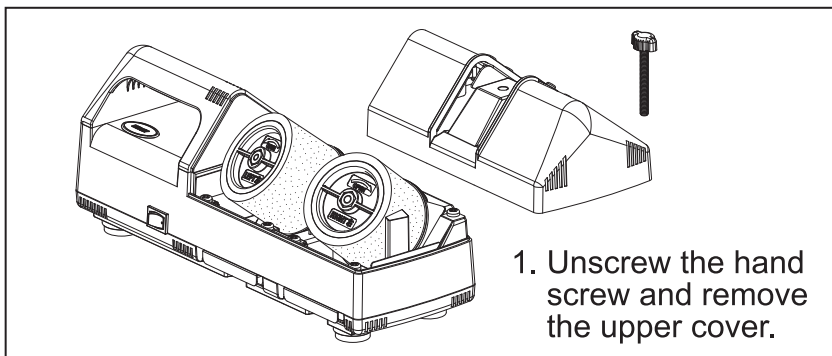
Slightly touch the blade. If the burrs appear, Step 1 is now completed.

RAZOR SHARP AS NEW- STEP 2



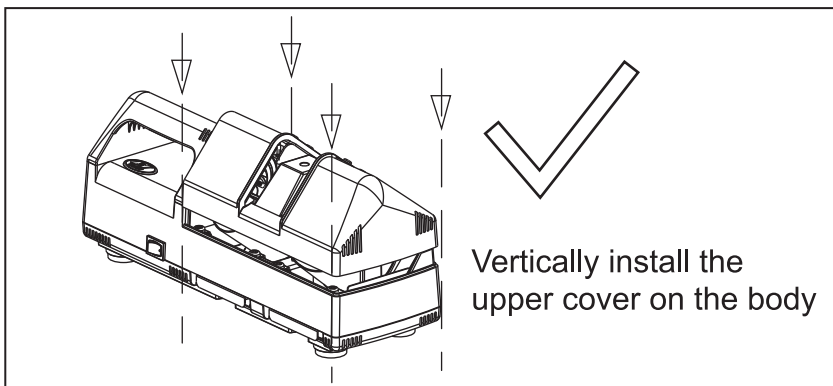
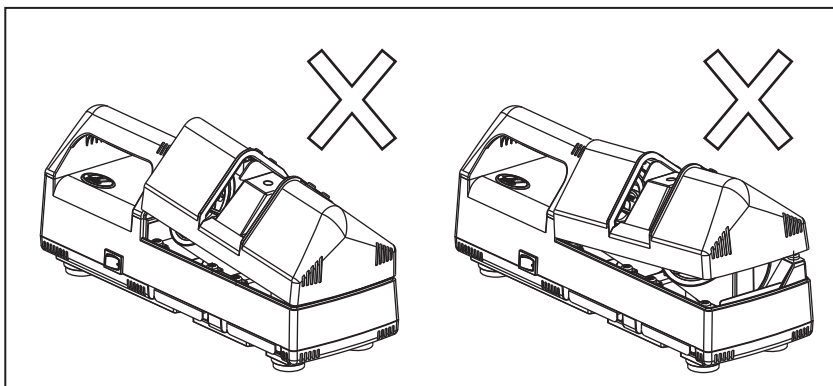
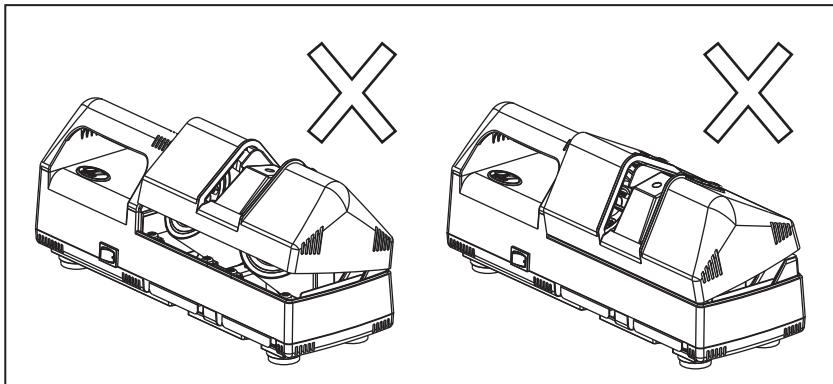
After the burrs are removed, the knife is now razor sharp as new with long lasting sharpness.

REMOVE & INSTALL THE GRINDING WHEEL



***SEE PAGE 10 FOR INSTALLING UPPER COVER**

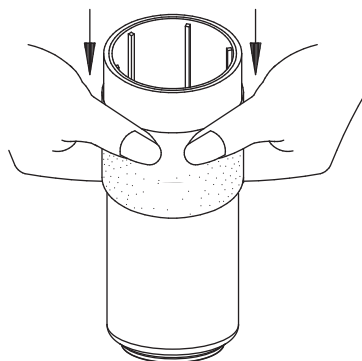
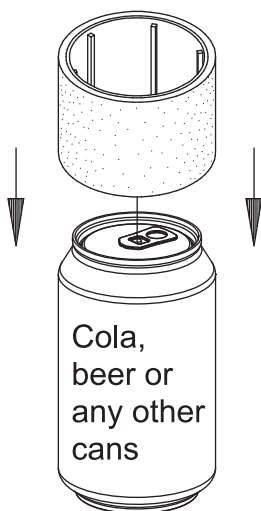
INSTALL THE UPPER COVER



REPLACE THE ABRASIVE BELT

Replace the abrasive belts when they become worn. See below options for removing the abrasive belts.

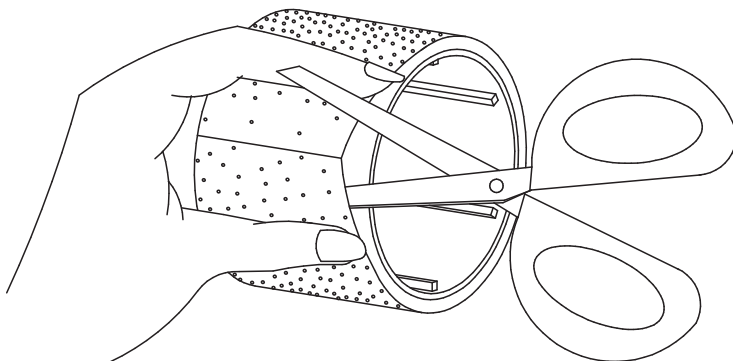
Remove worn belt- Option 1



Put the grinding wheel on top of the can and push downward to take out the abrasive belt.

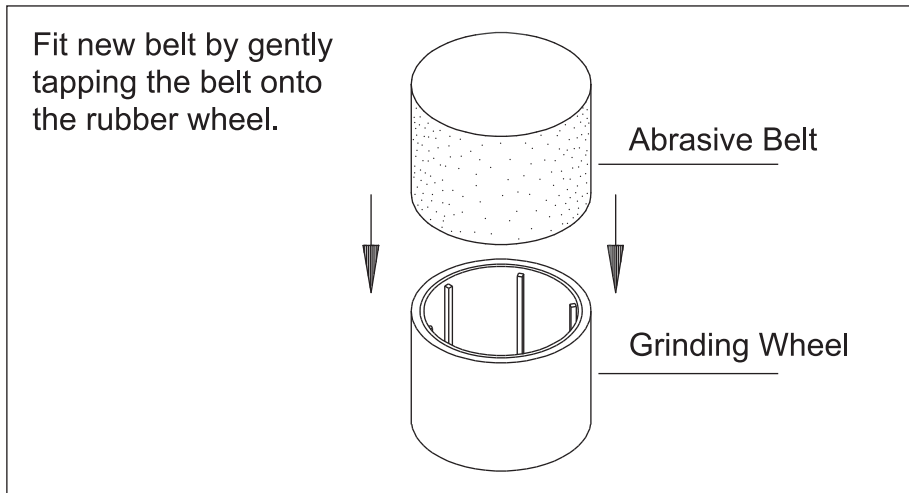
Remove worn belt- Option 2

Use scissors to cut belt and remove from wheel.



***SEE PAGE 12 FOR INSTALLING NEW ABRASIVE BELTS**

INSTALL THE ABRASIVE BELT



ABRASIVE BELT & GRINDING WHEEL

Rough, Medium, and Fine abrasive belts are available in pairs. They are made from aluminium-oxide. This knife sharpener is originally equipped with fine grinding wheel(Fine abrasive belt mounted on wheel).

Rough Belts are blue internally. This grade of belt is for profiling damaged and badly chipped knives. Because these belts remove a lot of metal, they should be used with caution. This belt is durable but the edges of the knives being sharpened are not smooth.

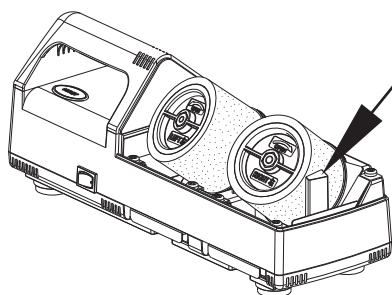
Medium Belts are white internally. This grade of belt is also for profiling knife edges.

Fine Belts are pink internally. This grit belt is designed as a finishing or honing belt. The edges of the knives being sharpened are smooth.

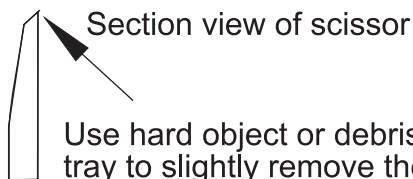
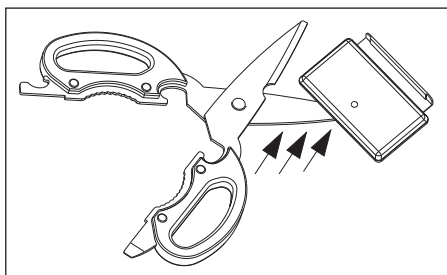
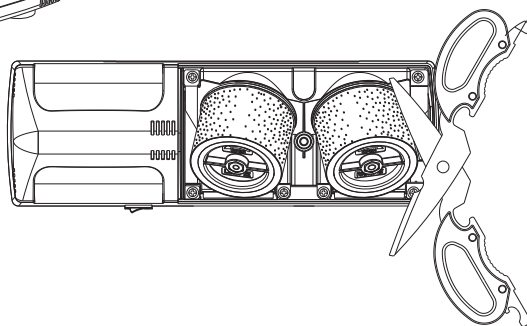
NOTE: WHEN THE FOAM CUSHION ON THE GRINDING WHEELS HAS LOST IT FLEXIBILITY, IT IS NECESSARY TO REPLACE WITH NEW GRINDING WHEELS.

SHARPEN THE SCISSORS

Only use the FINE abrasive belt to sharpen the scissors. Please note only one side of the blade has to be sharpened. Scissors have to be sharpened according to its original blade angle. Do not apply heavy downward pressure on the scissors.



Scissor Angle Guide

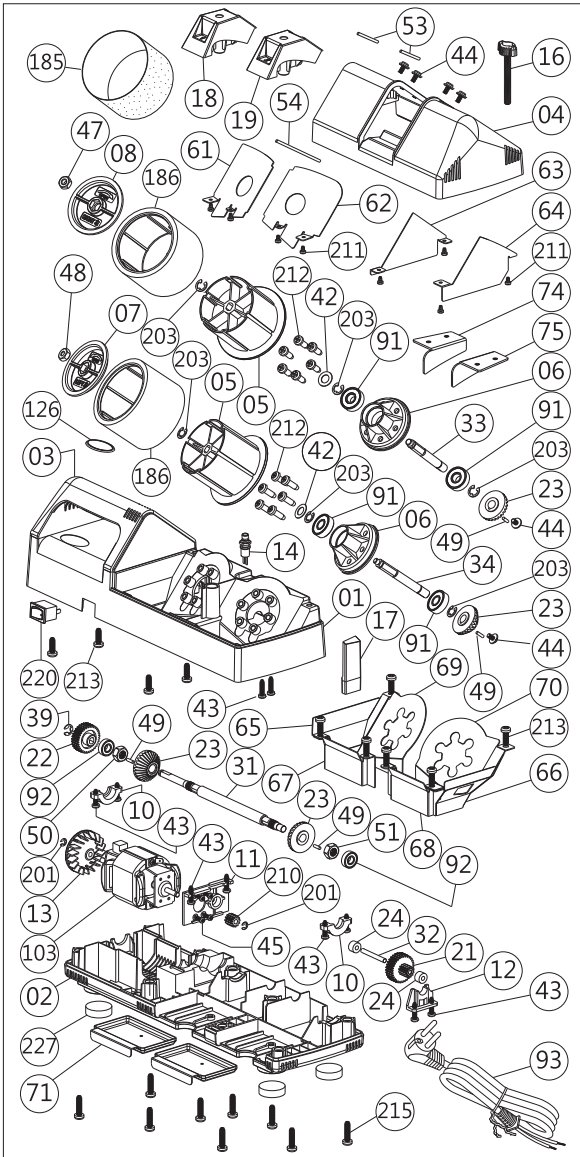


Use hard object or debris tray to slightly remove the burrs(as figure in the left)

CAUTIONS

1. This method is only for sharpening general scissors.
2. It is NOT for professional scissors such as sewing.
3. If you are not familiar with the angle variation of the scissors, please do not sharpen the scissors to avoid any damage of the scissors.

PARTS LIST



- | | |
|---------------------------------|-------------------------|
| 01. Body | 02. Base |
| 06. Bearing Fixed Base | 03. Handle |
| 07. Left Wheel Cover | 04. Upper Cover |
| 08. Right Wheel Cover | 05. Main Shaft |
| 10. Bearing Fixed Base | 16. Hand Screw |
| 11. Motor Fixed Base | 17. Scissor Angle Guide |
| 13. Radiating Fan | 22. Gear |
| 14. Cut Off Switch | 32. Shaft |
| 18. Angle Guide 1 | 53. Knife Edge Guard |
| 19. Angle Guide 2 | 54. Knife Edge Guard |
| 21. Double Gear Shaft | 71. Debris Tray |
| 23. B-Bevel Gear | 91. Bearing x 4 pcs |
| 24. H-Type Bearing | 92. Bearing x 2 pcs |
| 39. C-Type Washer 11 | 93. Power Cord |
| 42. Washer | 103. Motor |
| 43. Screw 4mm x 10 pcs | 126. Logo Plaque |
| 44. Screw x 6 pcs | 185. Abrasive Belt |
| 45. Screw 3mm x 6 pcs | 186. Grinding Wheel |
| 49. Pin | 210. Pinion Gear |
| 50. M8 Nut | 220. Switch |
| 51. M8 Nut | |
| 12. H-Type Bearing Fixed Base | |
| 31. Shaft of S-Bevel Gear | |
| 33. Right Shaft of B-Bevel Gear | |
| 34. Left Shaft of B-Bevel Gear | |
| 47. M6 Nut- Right Wheel | |
| 48. M5 Nut- Left Wheel | |
| 61. Upper Cover Protecting Iron | |
| 62. Upper Cover Protecting Iron | |
| 63. Upper Cover Protecting Iron | |
| 64. Upper Cover Protecting Iron | |
| 65. Body Protecting Iron | |
| 66. Body Protecting Iron | |
| 67. Body Protecting Iron | |
| 68. Body Protecting Iron | |
| 69. Body Protecting Iron | |
| 70. Body Protecting Iron | |
| 74. Left Belt Cover | |
| 75. Right Belt Cover | |
| 201. C-type washer 7 x 2 pcs | |
| 203. C-type washer 12 x 6 pcs | |
| 211. Screw 3mmx5 x 6 pcs | |
| 212. Screw 5mmx12 x 12 pcs | |
| 213. Screw 5mmx15 x 10 pcs | |
| 215. Screw 5mmx20 x 9 pcs | |
| 227. Rubber Feet x 4 pcs | |

151. Motor Set=103+13+210+201(2)
 152. Left Wheel Cover Set=07+48
 153. Right Wheel Cover Set=08+47
 154. Bearing Fixed Set=06+91(2)
 156. Left B-Bevel Gear&Shaft Set=44+23+203(3)+34+49+42
 157. Right B-Bevel Gear&Shaft Set=44+23+203(3)+33+49+42
 159. Upper Cover Set=04+61+62+63+64+211+74+75+44
 158. Gear&Shaft Set=31+23(2)+49(2)+50+51+92(2)+22+39

VOLTAGE	100~120V/AC	
	220~240V/AC	



**Thank You for choosing
Nirey Electric Knife Sharpener**