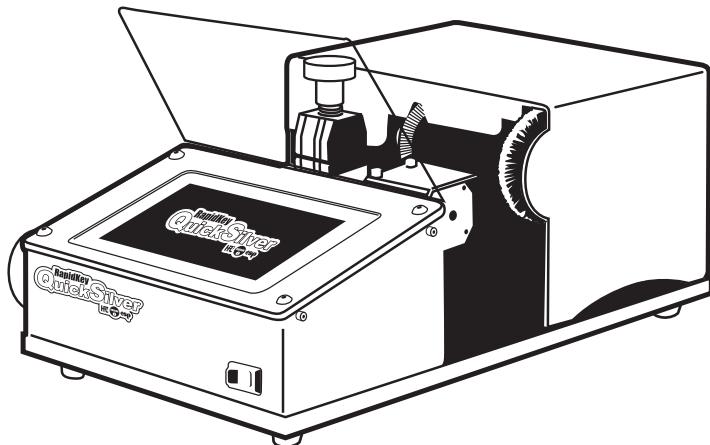




User Manual



Hudson Lock, LLC
81 Apsley Street, Hudson, MA 01749
800.323.3295 • 800.434.8960
www.hudsonlock.com
www.hpcworld.com

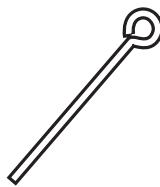
Thank you for your purchase of the QuickSilver. Among it's many features, this key machine offers several ways to cut or duplicate a key. As you will see, the QuickSilver is menu based. You simply follow the on-screen directions. No matter what method you choose, follow the on-screen directions and the QuickSilver will make your key cutting easier and faster than ever before! Be sure to fill out your registration form to initiate your 1 Year Warranty and to receive your free gift as our way of saying thank you. As a registered owner of the QuickSilver, you will receive notice of updates and upgrades to the machine, as well as access to our technical support,

In the box:

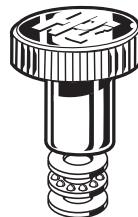
- | | |
|-------------------------------------|-----------------------|
| 1. Lid Nut | 5. Cutter Nut Wrench |
| 2. Removable Start Pin | 6. Set up Key |
| 3. Wing Nut with
Thrust Bearings | 7. Tip Gauge |
| 4. Shaft Wrench | 8. "S" Jaw Shim |
| | 9. 5/32" Allen Wrench |



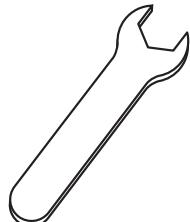
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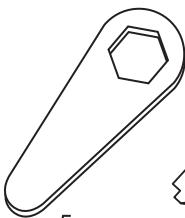
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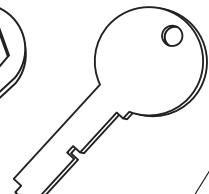
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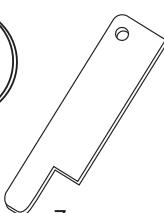
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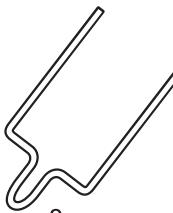
5



6



7



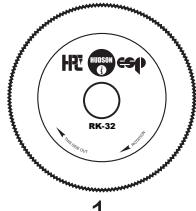
8



9

User Replaceable Parts:

1. No. RK-32 Cutter Wheel
2. No. TYX-3 Deburring Brush
3. Fuse (.8 amp-250Volt)



1



2



3

Power Requirements:

120 VAC, 60 hz

Power connection: Make sure the power outlet that the QuickSilver will attach to, is properly wired, i.e., grounded with correct hot and neutral leads. If the outlet is not wired properly or power from the available outlet is not regular (i.e., you experience frequent power brownouts), it may cause the QuickSilver to malfunction. While the QuickSilver contains an internal surge protector, it is recommended that you use a surge/brownout protector when operating the QuickSilver.

It is important to keep the machine clean:

Remove all brass chips and dirt from the cutting area with a soft bristle brush. Do not use compressed air to blow the chips away, as this may force the chips into the machine. It is best to use a vacuum to clean the machine and area.

Cleaning the Display Screen:

The QuickSilver is equipped with a state of the art touch-sensitive tablet display. Never use harsh chemicals, including windex, alcohol, ammonia or benzene based cleaners. Never use abrasive cloths, paper towels or tissue which can scratch the screen. It is a good idea to power off the device first. Use a commercially available **microfiber cloth**, designed to clean sensitive surfaces. If water is necessary to clean the screen, make your microfiber cloth only slightly damp. Do not put water directly on screen. Do not press too hard while cleaning the screen.

Special Note:

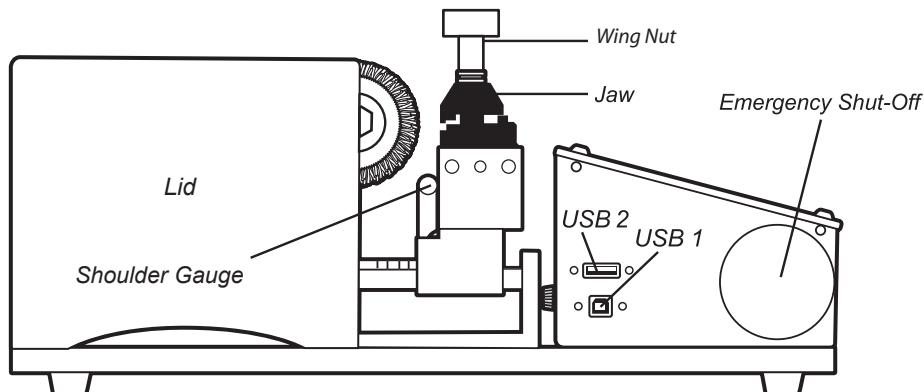
In case a brass or metal chip from key cutting, is found on the display screen, please take care in its removal. Do not try to wipe it off as it may scratch the glass. Use a small desktop vacuum.

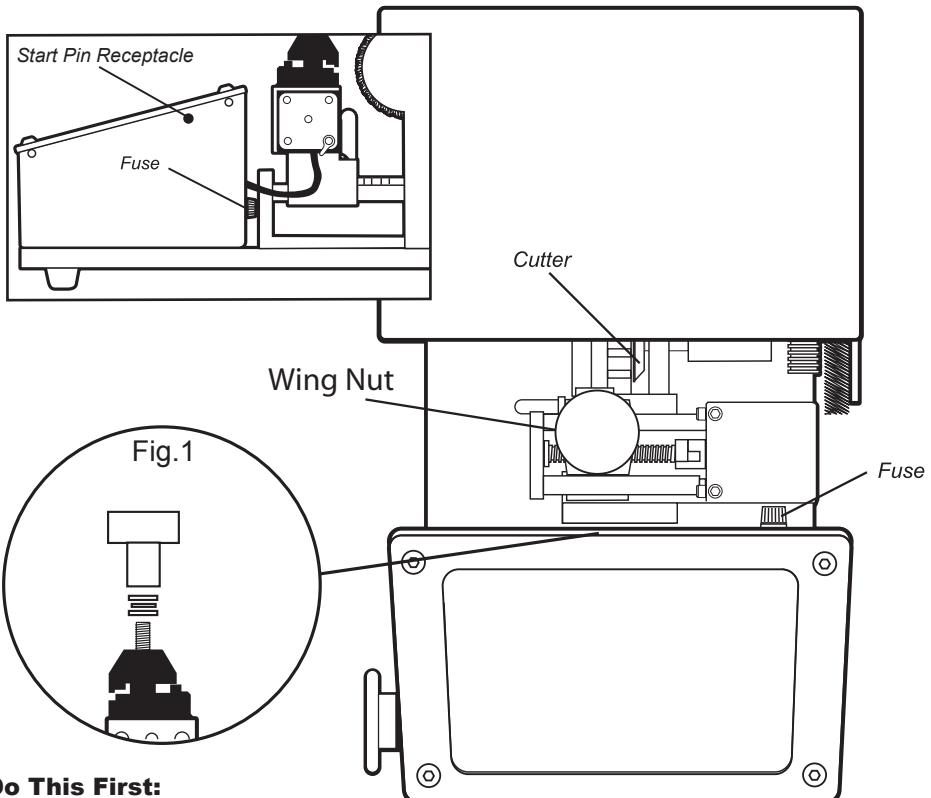
Option: You might consider the purchase of a screen protector for the display. It will provide long term protection for your screen and should not interfere with the touch-sensitivity of the screen or the operation of the display.

Caution: The tablet is not waterproof. Avoid using near water. Avoid high temperatures, extreme moisture, or dusty environments.

Note: Extended use may cause tablet to be warm to the touch. This is normal.

Please take the time to familiarize yourself with the various components of the QuickSilver.





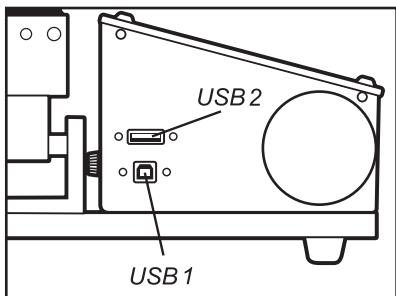
Do This First:

1. Attach Thrust Bearings and Wing Nut to location shown. (Fig.1)
2. Plug the machine into a properly grounded 120V Power Receptacle.

USB PORTS

The Quicksilver has been designed to take full advantage of today's connectivity, as well as future enhancements.

USB 1 is designed to connect with your computer for downloading updates to database and other software activities. Choose **USB 1** for these processes. **USB 2** is reserved for future design enhancements and additional connectivity.

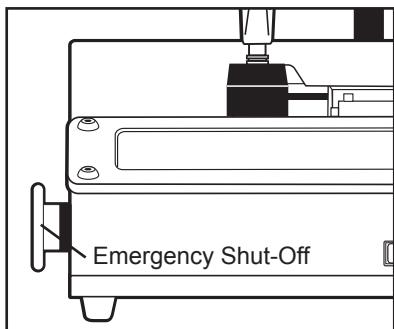


EMERGENCY SHUT-OFF

In case of emergency, use the Emergency Shut-Off Knob located on the side of the machine.

Push the knob in to shut off the machine immediately.

Turn the knob to reset. Knob will return to ready position.



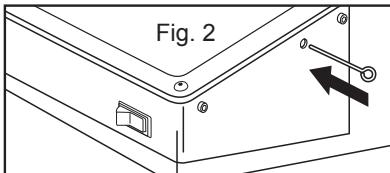
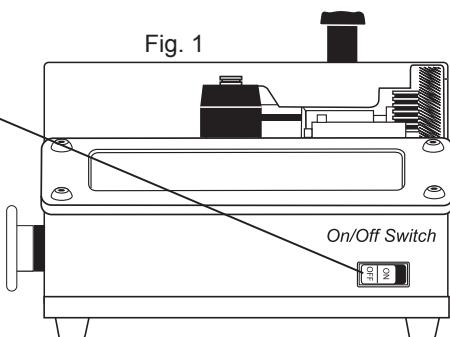
Starting the QuickSilver

1. Turn on machine with the on/off switch located on the bottom front right of Chassis. Within 10 seconds the carriage will move into the “Ready” position.

2. To power on the QuickSilver display, insert the Removable Start Pin into the hole located on the right side of the chassis (as shown in Fig. 2) and push in. The tablet screen will initiate. Locate the Rapidkey Icon and select by pressing.



3. The QuickSilver Home Screen will appear.



Note: You can remove the pin and keep it in a secure location to prevent others from having access to the machine.

Sleep Mode & Powering down the QuickSilver

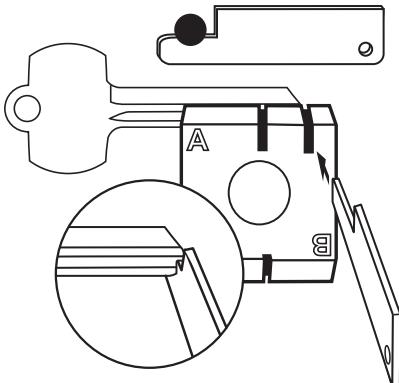
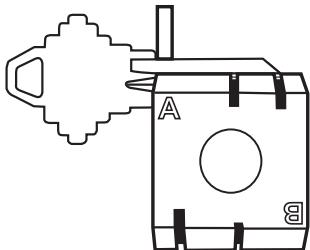
1. The on/off switch located on the bottom front right of Chassis, will shut the machine off and put the tablet in “sleep” mode. When you turn the machine on again, the software will initiate without having to “boot up”.

2. To power down both the QuickSilver machine and Tablet, insert the Removable Start Pin into the hole located on the right side of the chassis, (Fig. 2) push Pin in and hold until menu appears. Select “Power Off”. Next, turn off the machine using the on/off switch located on the bottom front right side of the machine (Fig. 1)

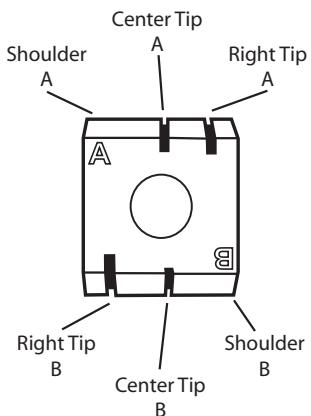
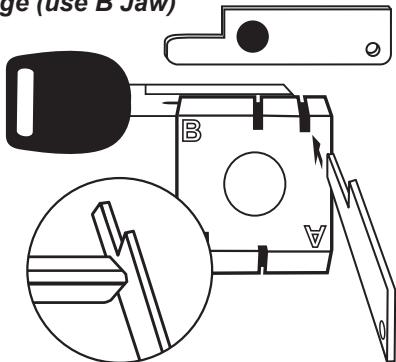
Gauging Keys on the Quicksilver

Best Key Tip Gauge Method

Shoulder Gauge Method



Two-sided Automotive Key Tip Gauge (use B Jaw)



Using the Small Key "S" Shim

Certain small keys will require you to use the Small Key Shim. Whenever the database calls for the "S" Jaw, you can use the Small Key Shim supplied with this machine. Simply insert the Shim into the Jaw opening as shown in Figs. 1 & 2. Make sure the back of the blank is against the leading edge of the shim.

Fig. 1

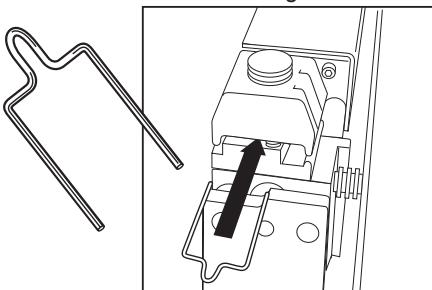
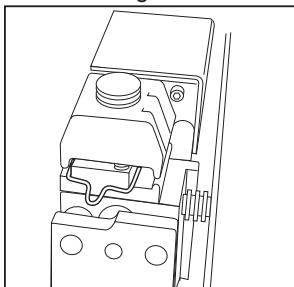
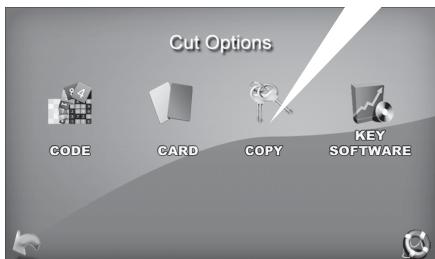


Fig. 2

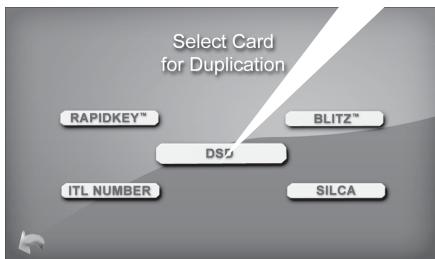


DECODING A KEY

1. On the Cut Options Screen, press COPY



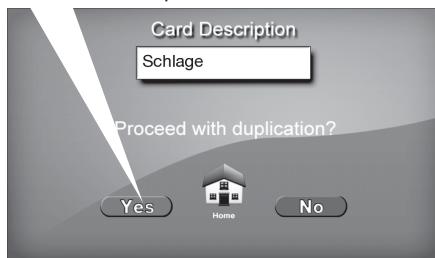
2. For this example, select DSD



3. Select the DSD number desired. For this example, key in 60 and press Search.



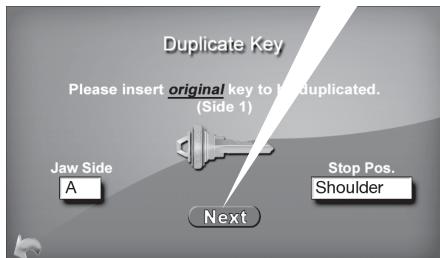
4. Screen will display card name and prompt, Proceed with duplication? Press Yes.



5. Confirm the number of cuts on the original. In this example, 6. Press Next.



6. Make sure original key is securely mounted in jaw and properly gauged. Press Next.



7. The Quicksilver will then decode the original key. At any time, you can press Abort to stop the decoding.

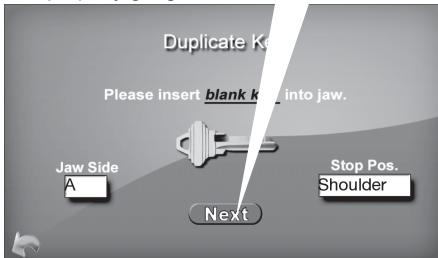


8. Check the bitting. Worn keys may present improper bittings. When Quicksilver detects a bitting not matching factory specifications, it displays the number in red.

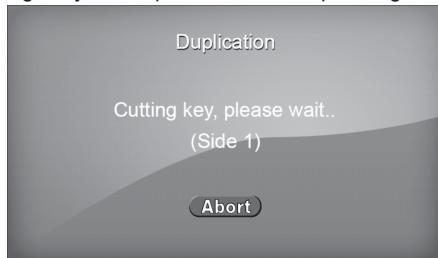
Cutting a new key after decoding

After decoding, remove the original key and place a new blank in the jaws.

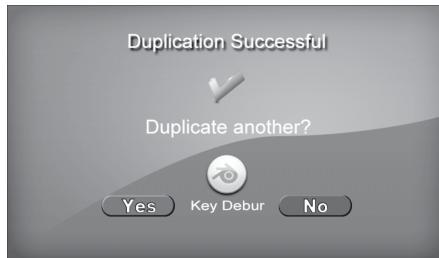
9. Make sure blank is securely mounted in jaw and properly gauged. Press Next.



10. QuickSilver will now cut a new key. Again, you can press Abort to stop cutting.



11. When cutting is finished, QuickSilver will announce Duplication Successful. You can create a second key by pressing Yes. Pressing No takes you back to the beginning of the duplicating process.



THE Quicksilver CUTTER SHAFT ASSEMBLY

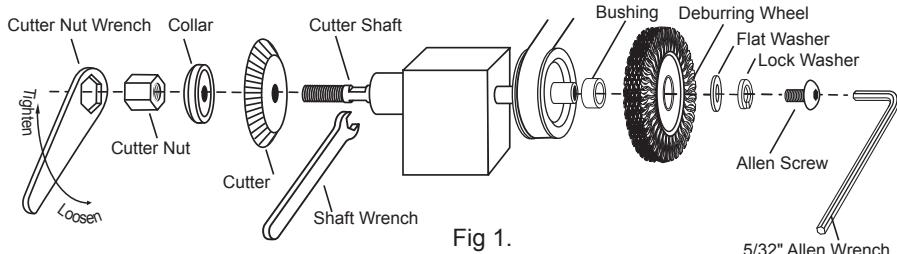


Fig 1.

Replacing the Cutter Wheel: (Fig.1)

Turn off machine and unplug from power source. First, raise the Lid for best access to Cutter Shaft Assembly. Use the Shaft Wrench on the flat part of the shaft to prevent the shaft from rotating. Using the Cutter Nut Wrench, remove the Cutter Nut (note reverse threading on the Cutter Nut). Remove Collar. Remove Cutter. Simply reverse the process to install a new Cutter. Slide Cutter onto shaft. Replace the Collar. Use the Shaft Wrench to prevent the shaft from rotating. Add Cutter Nut and tighten.

Replacing the Deburring Wheel: (Fig.1)

Turn off machine and unplug from power source. Raise the lid to allow easy access to the Cutter Shaft Assembly. Use the Shaft Wrench on the flat part of the shaft to prevent the shaft from rotating. Using the 5/32" Allen Wrench, remove Allen Screw and washers for the Deburring Wheel. Remove Deburring Wheel. Remove Bushing. Add new Deburring Wheel and Bushing. Using the Shaft Wrench to prevent rotation of the Cutter Shaft, add washers and tighten Allen Screw with 5/32" Allen Wrench.

CALIBRATION

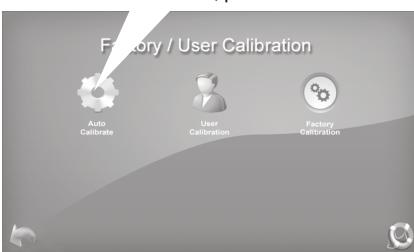
1. On the Home Screen, press Setup



2. On the Setup Screen, press Calibration then insert Setup Key into jaw, gauging by shoulder



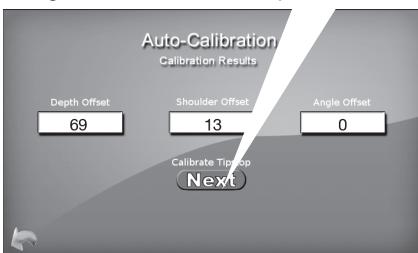
3. On the Calibrate Screen, press Auto Calibration



4. Mount Set Up Key using Shoulder Gauge

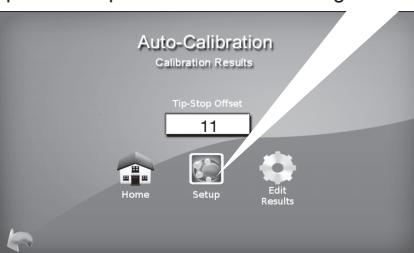


5. After the machine senses the blade and shoulder, and gives the initial calibration, press Next



6. Follow the on-screen prompts. You will need to use the Tip Gauge in the Center Slot first, then you will be asked to move the Tip Gauge to the Right Slot. Lastly you will be asked to turn the jaw around and continue by gauging the Tip Stop in the Center slot and Right slot on the B side of the jaw.

7. After the machine senses the tip of the Set Up Key, press Set Up to save calibration settings

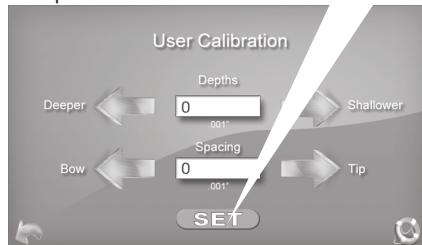


8. For future adjustments, go to the Calibration Screen and press User Calibration



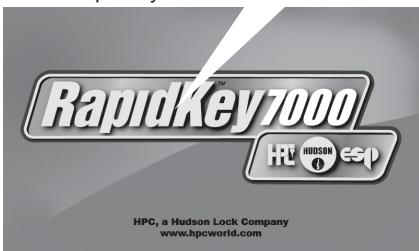
Calibration Continued

9. Enter adjustments to depth and space, then press SET



CUTTING BY AN ENTERED CODE.

1. Touch RapidKey™ Icon



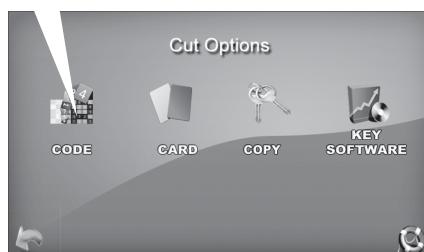
2. Enter your authorization code



3. Press "CUT KEY"



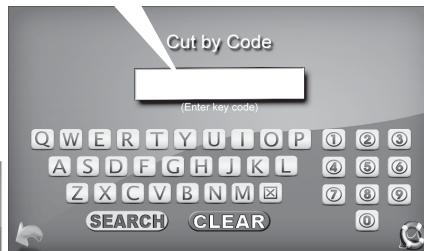
4. Press "CODE"



5. Press "ENTER CODE" Database will load



6. Enter Code

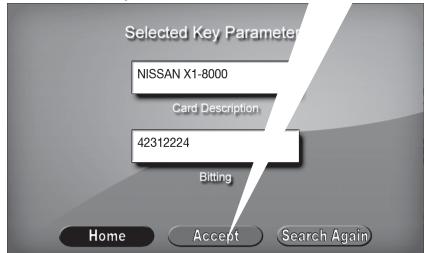


The database takes about 25 secs to load when first starting the program. After that, load times will take around 2 secs.

7. Press "SEARCH"



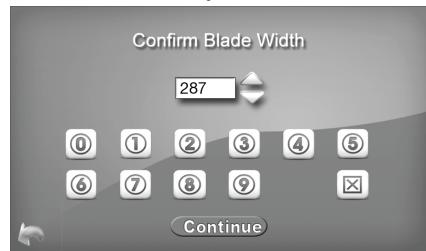
9. Press "Accept"



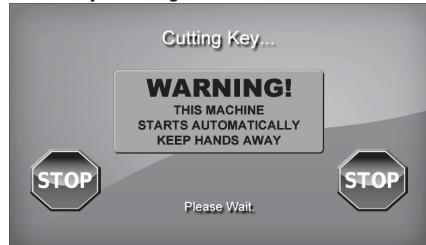
11. Position Key in Jaw, select "Next"



11. Blade width can be adjusted if needed



13 - A caution screen will appear while key is being cut



8. Select a series, press "Select"

Search Results			
Mfg.	Series	Cuts	Description
DATSON	X1-8000	8-8	INFINITI-M> 99+<TRSP
FORD	X1-8000	8-8	INFINITI-M< 99+<TRSP
NISSAN	X1-8000	8-8	INFINITI-TI< 99+<TRSP
NISSAN	X1-8000	8-8	INFINITI-M> 99+<TRSP
SUBARU	X1-8000	8-8	INFINITI-M< 99+<TRSP
INTERNATIONAL	X1-8000	8-8	INFINITI-M> 99+<TRSP
HOLDEN	X1-8000	8-8	INFINITI-M< 99+<TRSP
TOYOTA	X1-2248	8-8	Cressida <MV>89+
VOLKSWAGON	X1-2248	8-8	VOLKSWAGON

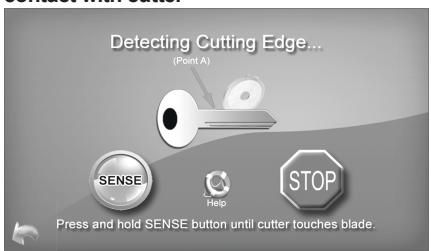
10. Press "CUT"



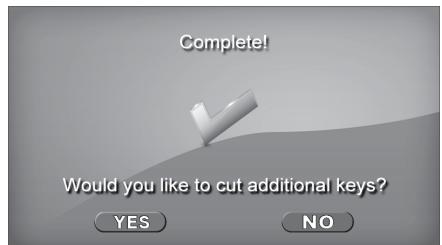
12. Select "Start"



12. Press and hold "SENSE" until blank makes contact with cutter



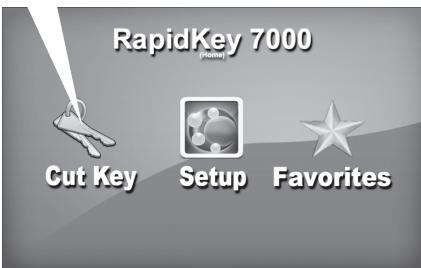
14. Select "YES" to cut an additional key or "NO" to return to Main Screen



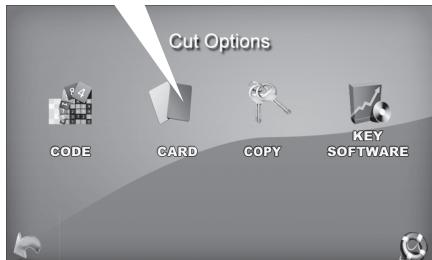
KEY SEARCH AND CUTTING BY CODE CARD

1. If you have not done so, log on and enter your authorization code

3. Press "CUT KEY"



4. Select "CARD"



5. There are 3 ways to find the Code Card you need.



Highlight and Select

SEARCH RESULTS		
Card	Description	Key Blank
Corbin Russwin	CB34	
Abus (3-pin)	Origin	
Abus 55/40	AB16	
Anker on Cash registers	AN2	
C35 Master Standard Large	"1092	
C49 Taylor Large Pin	"1141	
Master/#130+	1092D	
Corbin Cabinet (CCL)	"1001	
C34 Master Small Pin	"1092	

Home Select Search Again

CATEGORY SEARCH is in three sections:

Automotive, Commercial and Residential. Choosing one of these will present you with a listing of the appropriate cards and key blanks for that category. Highlight the blank you want and choose "Select".

Highlight and Select

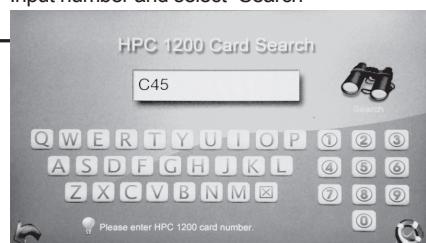
FAVORITES		
Card	Description	Key Blank
16 Ford/Mazda/Lincoln	0	"1184
31 Best A2-7 pin-Sys	1	A1114
50 Sargent LA - Large	pin	1007L
75 Saturn/GM 1919+		P1108
699 Mazda	X249	
1041 Arrow Master kr	Only	"AR4,
1583 Kaba Peaks 14' -A2		
1750 Scorpion CX5		CX5
1751 Kwikset Titan		A1176

Home Select Search Again Remove

FAVORITES goes to Cards you have saved to "Favorites". Highlight and choose "Select".



Input number and select "Search"



KEY MACHINE NUMBERING SYSTEM

Here, you can choose within your preferred key machine numbering system. Example shows a Blitz™ Code Card Number.

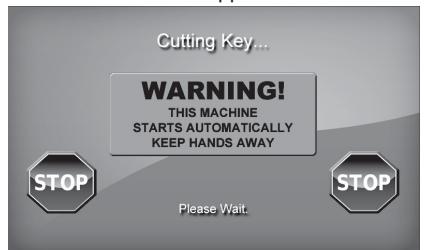
6. Card Description will appear, select "Cut Key"



9. Insert and Gauge Key then press "Next"



11. A caution screen will appear



7. Enter key bitting, then select "Cut"



10. Press "start" to cut key



12. Select "YES" to cut an additional key or "NO" to return to Main Screen



Troubleshooting the QuickSilver

IF YOU CAN'T FIND A SHORTCUT ON THE DESKTOP:

Press the icon shaped like a circle with 6 dots inside. This takes you to the app screen. There, by holding your finger on an app icon, an image of the desktop will appear and you can slide the icon onto the desktop. If the RapidKey app opens when the tablet is turned on, hold your finger on the upper right corner of the screen above the display and pull down the utility tab. In the utility tab, press the Settings button. Under Device, press Home. Make sure the Launcher icon is selected.

TABLET WON'T COMMUNICATE WITH MACHINE:

The QuickSilver is shipped with the tablet linked to the machine through a unique WiFi identifier. If the machine stops responding to the tablet, or if a Wifi symbol in a red circle ever appears in the upper right-hand corner of the tablet screen, the WiFi link must be re-established. **First, make sure the key machine is on and the emergency button is released.** Make sure the tablet is not in airplane mode. Swipe up from the bottom of the screen. If an airplane is visible on the top right corner of the screen, the tablet is in airplane mode. From the desktop press Settings, Wireless & Networks. Press More and turn airplane mode off. You can also depress the Start Pin to turn the tablet off. When the power down menu appears, check the Airplane Mode choice here.

IF THERE IS STILL NO COMMUNICATION:

Return to the tablet desktop (swipe up from the bottom of the screen, press the Home symbol or turn the tablet off then on again). Press Settings. Press Wifi. All available Wifi networks will appear. Press the network named "QuickSilver#####", where ##### is the serial number of your QuickSilver. Press Connect. You will be prompted for a password. The password is the same as the network name, "QuickSilver#####" (QuickSilver followed by the serial number). NOTE: the password is case sensitive. Once the WiFi network says "Connected", your tablet will communicate with your machine again. If the network says "Authenticating", the password was improperly entered. Press the network. Press Forget. This will undo the password. Now press the network, press Connect and re-enter the password.

TABLET ALWAYS STARTS IN RAPIDKEY PROGRAM:

Sometimes a wrong button is pressed and the tablet opens to the QuickSilver program automatically. While this can be convenient, it can be difficult to perform such tasks as updating the QuickSilver program, changing the time or date, etc. To undo the automatic start, swipe down from outside the screen area at the right side of the top of the screen. This will bring down a utility menu. Press Settings. Under Device press Home. Make sure Launcher is selected, not RapidKey.

TABLET WON'T RECEIVE FROM HPC SOFTWARE:

If you are having trouble downloading from CodeSource, MasterKing or KeyTrail, check the USB connection between your QuickSilver and your computer. In Control Panel, click System, Hardware and Device Manager. In Device Manager, click Ports (COM & LPT). You should see "USB Serial Port" followed by "COM" and a number. This is the serial port number you need to set in your software.

If you don't see "USB Serial Port" or you do see "FT232R USB UART" with a yellow exclamation point or question mark, you must install a new Virtual Com Port driver. Go to <http://www.ftdichip.com/Drivers/VCP.htm> to download the latest Virtual Com Port driver for your computer's operating system.

If you have a problem that is not addressed here or in the manual, you can call our Key Machine Service Department between 7:00AM and 3:30PM, Eastern Time, Monday through Friday. The toll-free number is 800.434.8960 from the United States and Canada.

Warranty

The QuickSilver machine is fully warranted for 1 years from the date of purchase, against factory defects in material and workmanship. Please complete and return the Registration Card and a copy of your invoice to validate your warranty. During the 1 year warranty period, you will be billed for shipping and handling only.

Maintenance

There is no regular maintenance required. The motor and cutter head are equipped with sealed bearings that require no lubrication. All bearings and sliding surfaces have been lubricated during assembly. In the event the jaws do not easily separate when the jaw lever is loosened, they may require lubrication. Remove the jaw lever, thrust bearing set, top jaw, and springs. Clean the bottom jaw, stud, and top jaw with a soft cloth. Place a small amount (pea-size) of Super[®] Lube or similar synthetic grease lubricant in the inside cavity of the top jaw and spread it evenly around the cavity. Take care to not put lubricant on the key clamping surfaces. Replace the springs, top jaw, thruster bearings and jaw lever.

Cleaning

It is important to keep the machine clean. Remove all brass chips and dirt from the cutting area with a soft bristle brush. Do not use compressed air to blow the brass chips away, as this may force the chips inside the machine. It is best to use a vacuum to clean the machine and area.

Factory Repairs

The Hudson Lock Key Machine Service Department is available to offer prompt service on your machine and to order replacement parts.

The hours of operation are **7:30am - 3:30pm, Monday - Friday.**

In the event you need to return your machine for service please contact the service department to obtain a repair order number prior to shipping the machine.

It is imperative the QuickSilver be packed in the original carton as originally packed. Hudson Lock, LLC assumes no liability for damage to machines that are not properly packed.

Payment for non-warranty repairs can be made by check in advance of repair work, Visa or Mastercard, or billed through an authorized Hudson Lock Distributor.

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