

994 LASER

QUICK-START GUIDE



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HIGH SECURITY



EDGE CUT



6-CUT TIBBE



* IMPORTANT *

Thank you for your purchase of the Keyline 994 Laser.

1) COMPLETE PRODUCT REGISTRATION FORM

Complete enclosed form and fax to 216-803-0202 or e-mail to info@keyline-usa.com. This information is required to activate your warranty and inform you of software updates and new products.

KEYLINE USA PRODUCT REGISTRATION FORM

IMPORTANT

Please complete this form and fax to 298.803.0012 or e-mail to info@keylineusa.com so that we can register your product and activate your warranty.

Business Name _____

Customer Name _____

Address _____

City _____

State _____ Zip _____

Email _____

Product (i.e. 106, 303, Laser 994, 884) _____

Serial Number _____

Distributor Purchased From _____

What other key machines do you own? _____

Please list _____

Would you like added to our quarterly e-newsletter? _____

 **KEYLINE
USA**
Manufactured By: Angel - USA Inc.
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[illegible]

2) REGISTER YOUR MACHINE ON THE WEB

Visit **Customer Area** on www.keyline-usa.com then select the **Registration** section. Complete the online form and register each machine you own with the respective serial numbers. Once complete your profile will be set up.

PLEASE NOTE: YOU MUST REGISTER YOUR MACHINE ONLINE TO HAVE ACCESS TO SOFTWARE UPDATES, MANUALS & QUICK START GUIDES.

TURNING MACHINE ON/OFF

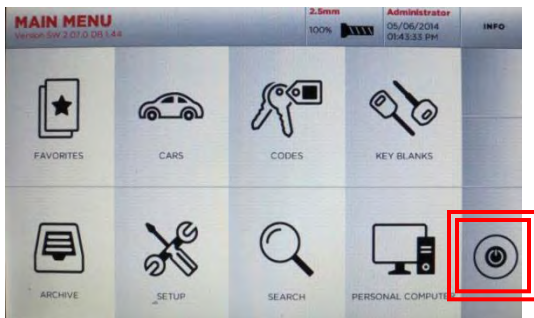
Cable Connection & Powering Machine ON

***MOBILE USERS: YOU MUST USE A PURE SINE WAVE INVERTER WITH 1100 WATTS (or greater) TO POWER THE MACHINE OR MACHINE MOTOR WILL NOT WORK PROPERLY**

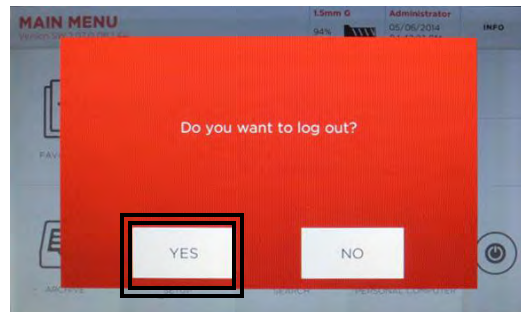
NOTE: Do Not Install Jaw Until Instructed on Page 4 of this Guide

1. Attach the 9-pin connector cable to the port on the **LEFT SIDE** of the console **AND** to the back of the machine. **SECURE WITH ATTACHED SCREWS**. Also, connect the black cable to the console and the back of the machine.
2. Attach power cord to back of machine and plug into a properly grounded outlet.
3. Make sure the ON/OFF switch above the power cord is to the ON position.
4. Rotate the Emergency Stop button towards the back of the machine until it releases outward.
5. The machine will now begin to start-up. **This process can take up to 4 minutes**. Proceed with LOGIN (page 2).

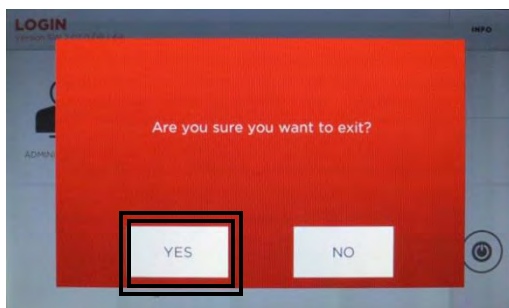
Powering Machine OFF



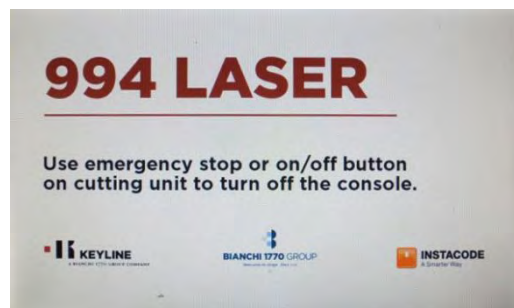
At **MAIN MENU**, select **Power button**



Select **YES** to log out, then select Power button again at Login screen

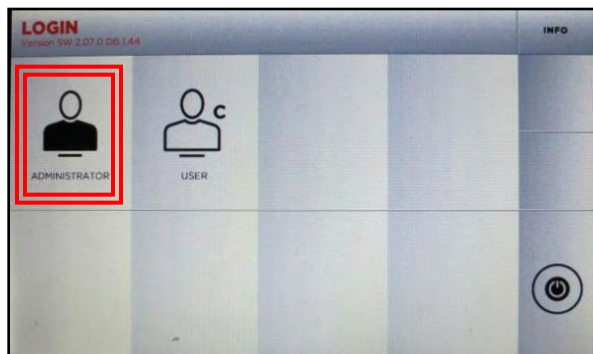


Select **YES** to exit

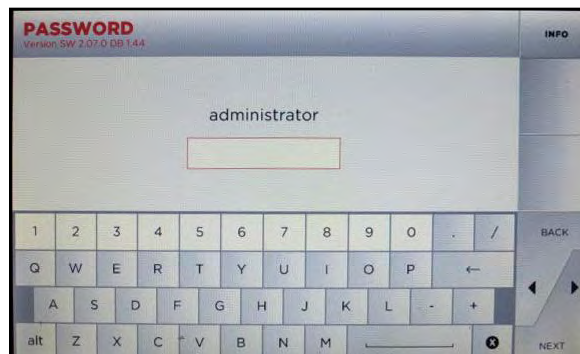


LOGIN / PASSWORD ENTRY

TIP: Use included stylus with touch screen to ensure accurate selections

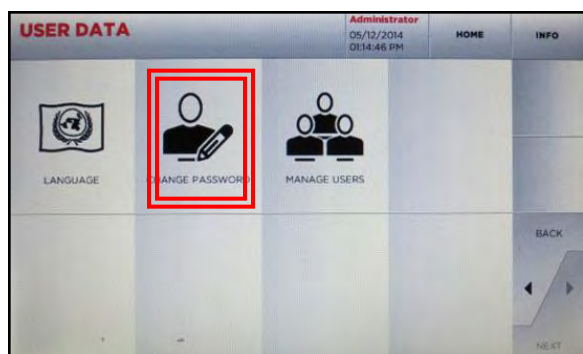
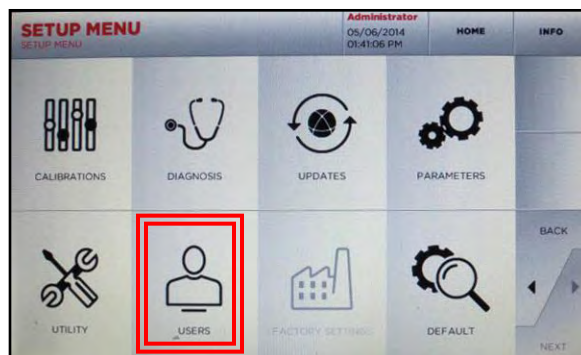
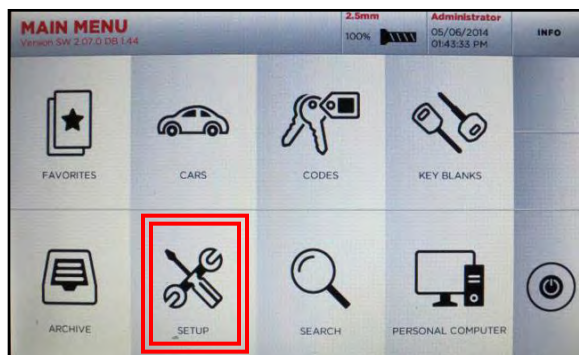


Select **ADMINISTRATOR**



Leave password screen blank, no default password is set, Select **NEXT**. To create password, see below.

PASSWORD CREATION (OPTIONAL) -Skip this section if you do not want a password-



From Main Menu, Select **SETUP**, then **USERS** and then **CHANGE PASSWORD**. At the Change Password screen enter in your new password and confirm (leave Old Password line blank) then select **NEXT**. Administrator password is now set.

IMPORTANT

COMPLETE JAW SETUP

Before using the machine to cut any keys, please **SETUP ALL THE JAWS** using the template (silver template with the key ring on one end) found in the black accessory case. Follow the directions on page 4 of this guide for high security and page 7 for edge-cut.

This adjustment is necessary due to fluctuations and changes that have occurred during shipping. Failure to follow this procedure correctly may cause damage to the tracer, cutter, and/or jaw and may result in voiding any warranty.

CUTTER LIFE & KEY MATERIAL

Cutting steel keys is not recommended with the 994. Cutter life will be drastically reduced and/or cutter damage may occur. In addition, the 994 cannot cut or decode any type of plastic key.

USE OF AFTERMARKET SPARE PARTS

Keyline machines require the use of factory original parts. Aftermarket cutters, tracers and adaptors are not recommended and may cause product damage that will void your machine warranty.

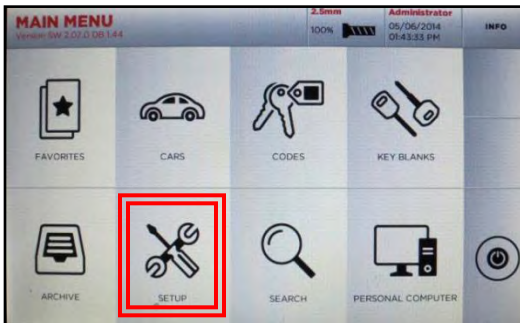
MACHINE PACKAGING

Please retain all machine packaging for transportation purposes. Packaging is specially designed to safely transport the machine and it's components.

POWERING MACHINE OFF

For best performance, power down the machine when not in prolonged use (i.e. over night).

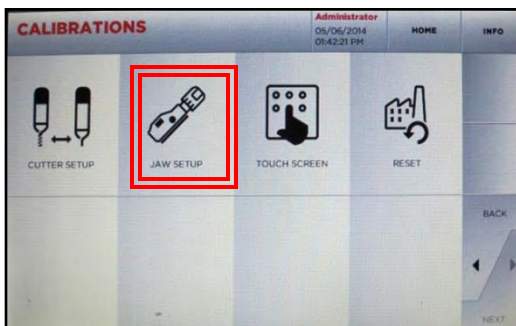
JAW SETUP - HIGH SECURITY



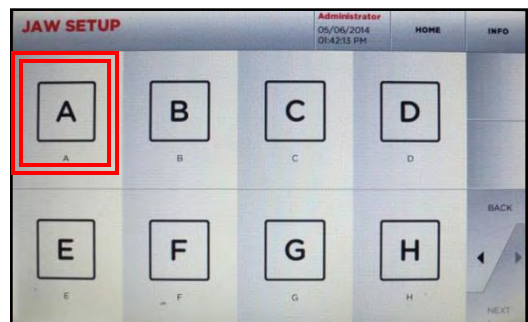
Select **SETUP**



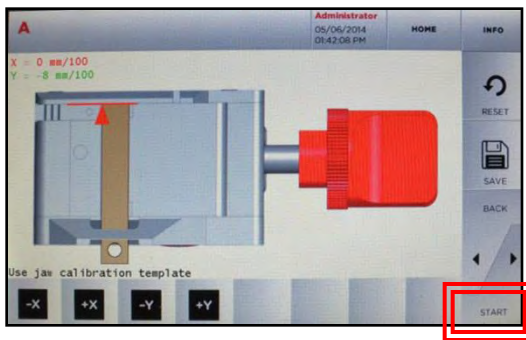
Select **CALIBRATIONS**



Select **JAW SETUP**



Select desired jaw (**A, B, C, D**)



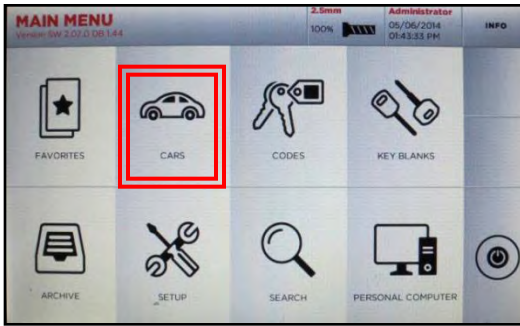
Install Jaw to far left of carriage until it stops. **CLAMP TIGHT WITH JAW LEVER.**

Insert jaw calibration template (metal bar with key ring in accessory kit). Hold blank **FLAT** in jaw & press in and down while tightening. Press **START**, then **OK** to begin calibration.

Calibration Complete screen displays. Select **OK**. Note values for X & Y. – Record setup numbers then **do a second Jaw Setup**. Select **START** to begin. Compare the setup numbers to first set. If they are **within +/- 2** of original numbers*, Jaw Setup is complete. Press **SAVE**. Then select **YES** to confirm. Remove silver template. (* if values are not within range, run third Jaw Setup and compare 2nd & 3rd setup numbers.)

CUT BY CODE - HIGH SECURITY

TIP: Before key cutting, make sure you have the correct key blank on hand. Cutting a test key is also recommended on first key cutting to verify jaw is calibrated correctly.



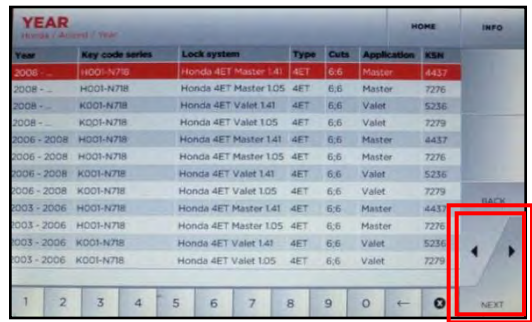
Select **CARS**



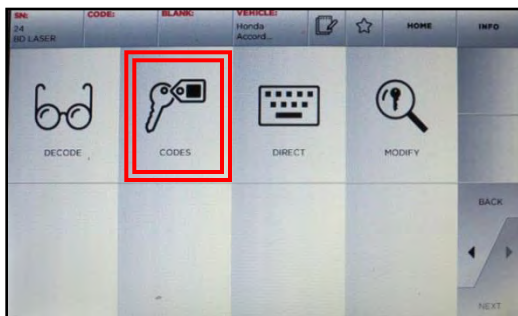
Select **BRAND (MAKE)**, then **NEXT**



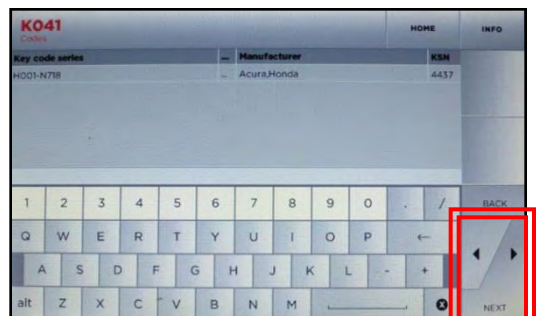
Select **MODEL**, then **NEXT**



Select **YEAR RANGE**, then **NEXT**



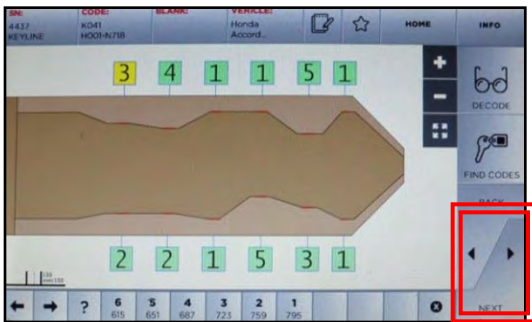
Select **CODES**, then select **NEXT**



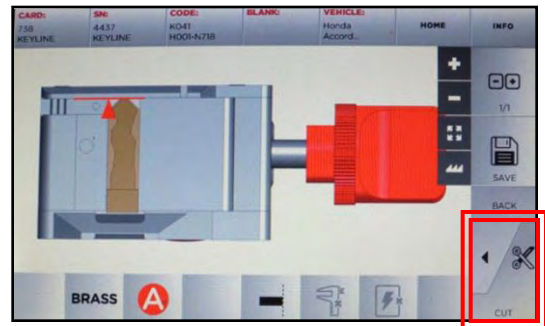
Enter code, (i.e. K041), select **NEXT**

Continue

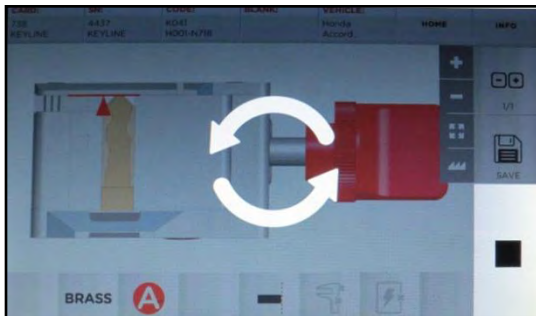
CUT BY CODE - H.S., cont.



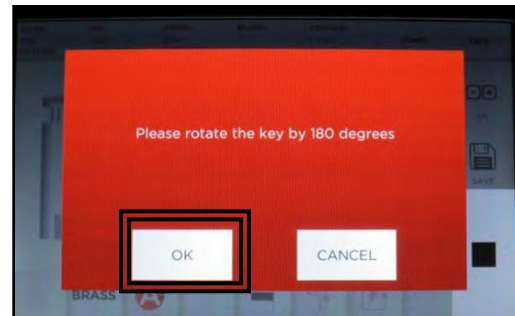
Key depths appear, select **NEXT**



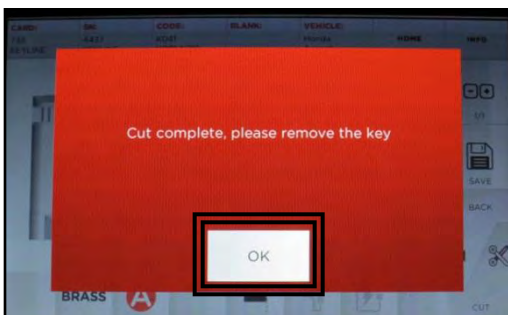
Insert key correctly on jaw, paying close attention to the stop position for the key blade, then select **CUT**



Key cutting in progress

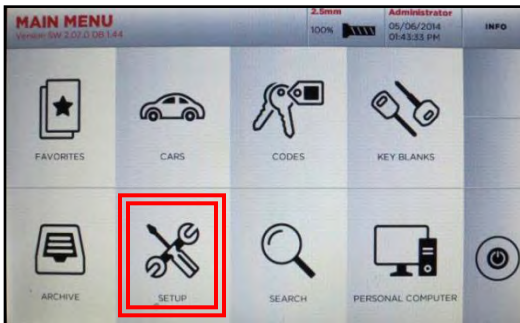


Rotate key for second side cutting, Select **OK**

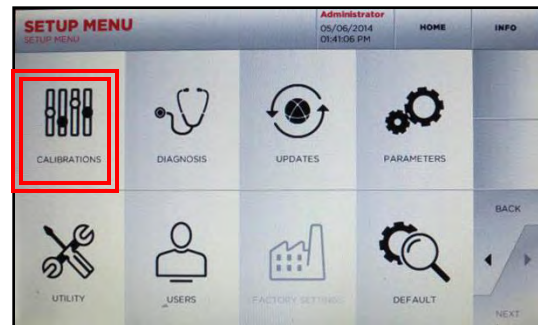


Key Cutting complete. Select **OK**.
Select **HOME** button at top of screen to go back to Main Menu or press **CUT** again to make additional keys.

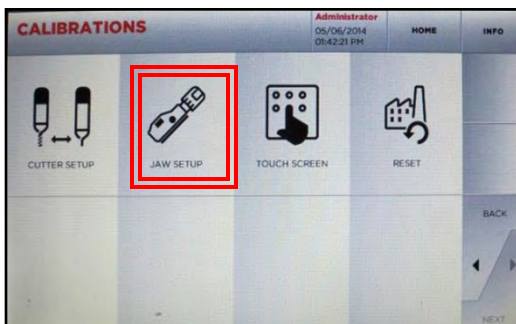
JAW SETUP - EDGE CUT (G)



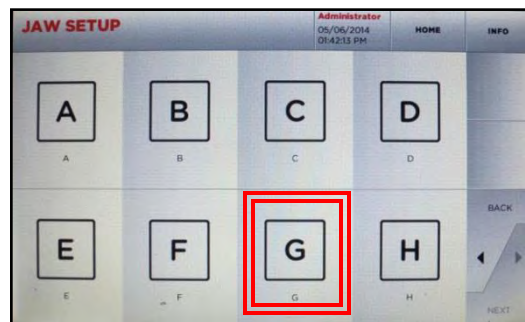
Select **SETUP**



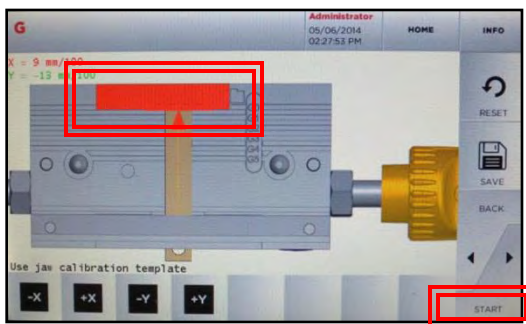
Select **CALIBRATIONS**



Select **JAW SETUP**



Select **G jaw**



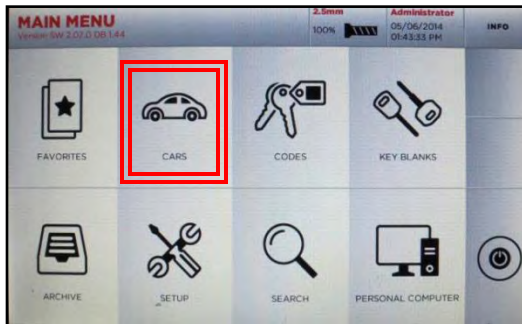
Install Jaw to far left of carriage until it stops. **CLAMP TIGHT WITH JAW LEVER.**

Insert tip stop as shown, then insert jaw calibration template (metal bar with key ring in accessory kit). Hold blank **FLAT** in jaw & press in and down while tightening. Press **START**, then **OK** to begin calibration.

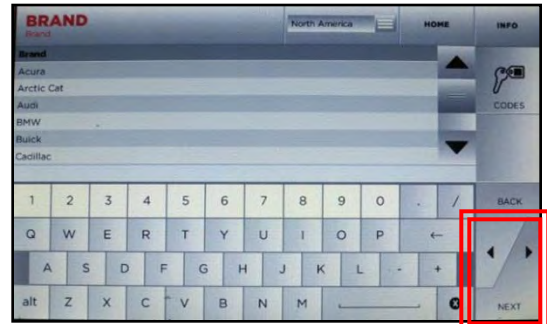
Calibration Complete screen displays. Select **OK**. Note values for X & Y. – Record setup numbers then **do a second Jaw Setup**. Select **START** to begin. Compare the setup numbers to first set. If they are **within +/- 2** of original numbers*, Jaw Setup is complete. Press **SAVE**. Then select **YES** to confirm. Remove silver template. (* if values are not within range, run third Jaw Setup and compare 2nd & 3rd setup numbers.)

CUT BY CODE - EDGE CUT

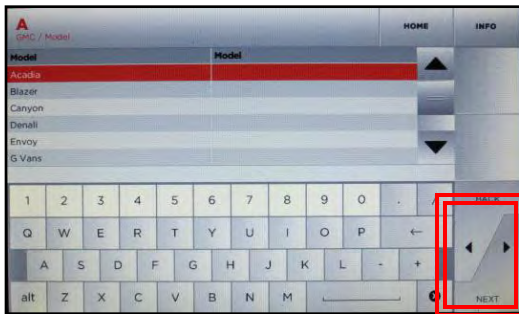
SWITCHING TO G JAW FROM A/B/C/D JAWS



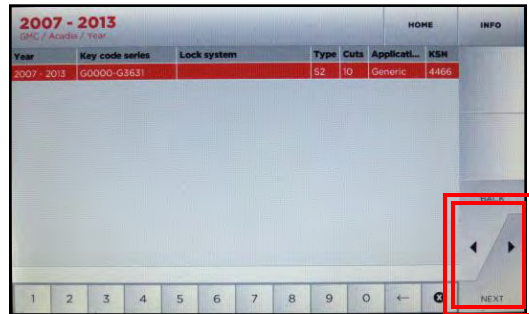
Select **CARS**



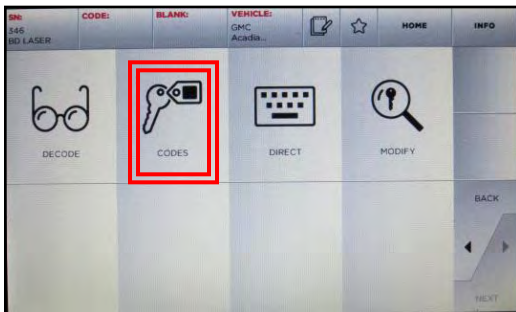
Select **BRAND (MAKE)**



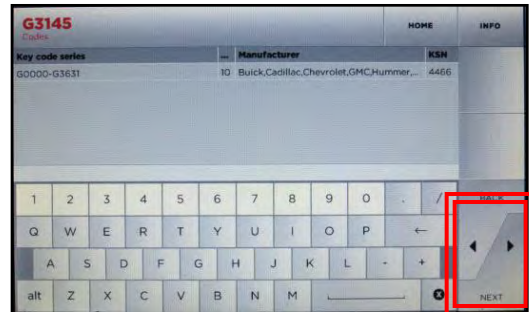
Select **MODEL**



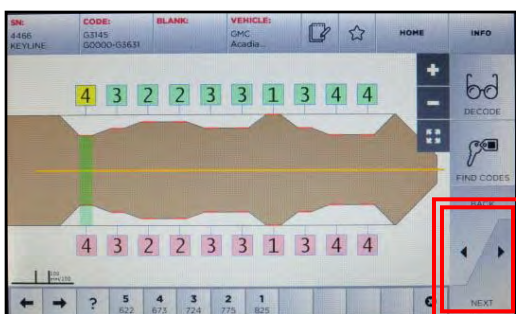
Select **YEAR**



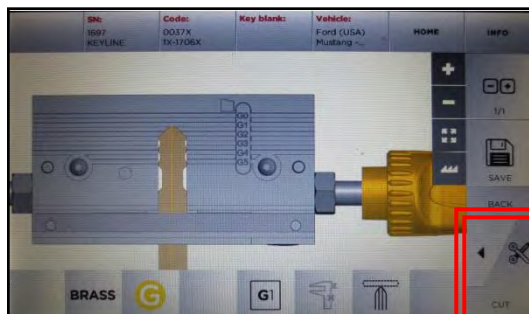
Select **CODES**



Enter code and select **NEXT**



Key depths display, select **NEXT**



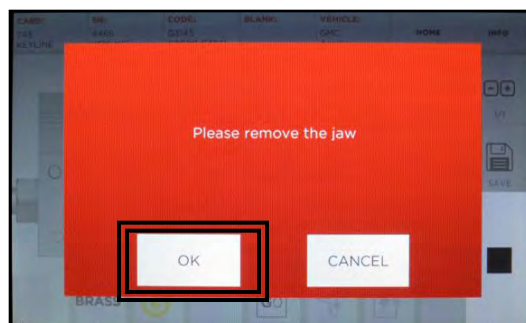
Select **CUT**

CUT BY CODE - EDGE CUT, cont.

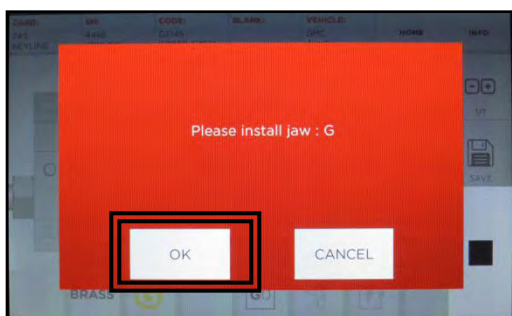
9

SWITCHING TO G JAW FROM A/B/C/D JAWS

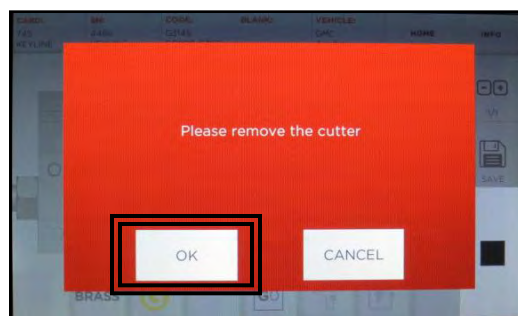
NOTE: Machine will recognize that the G jaw is not currently installed. Follow the machine prompts to change out the jaw and cutter to continue cutting by code.



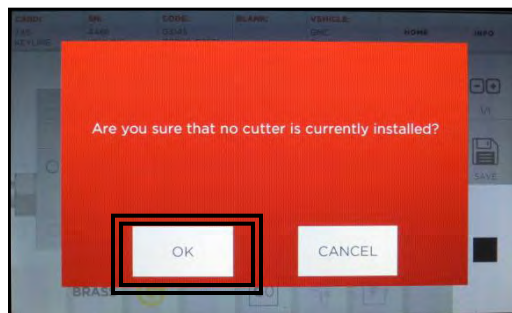
Remove current jaw, select **OK**



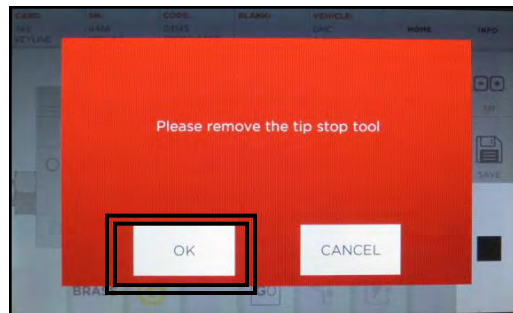
Install G Jaw



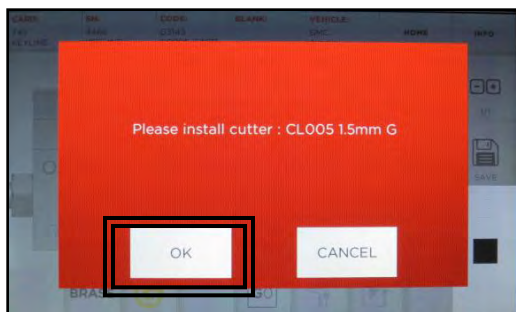
Remove 2.5mm installed cutter



Confirm that cutter is removed



Remove tip stop (if applicable)

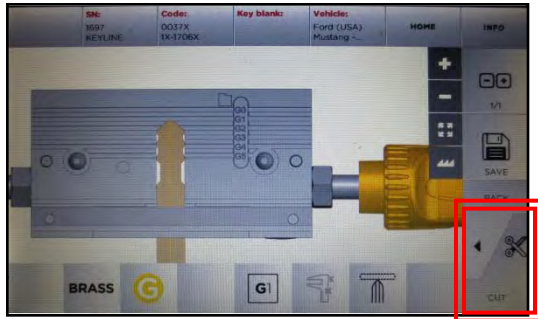


Install 1.5mm (CL005) cutter.
Once complete, select **OK**.

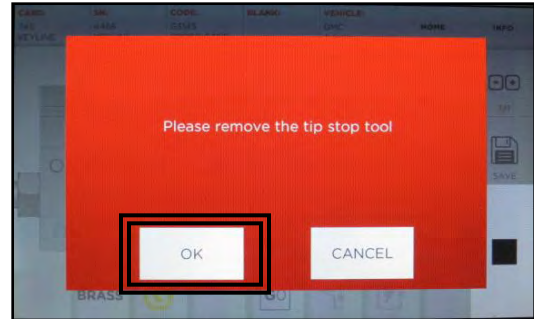
See Cutter Replacement section
(page 13) for details.

CUT BY CODE – EDGE CUT, cont. 10

SWITCHING TO G JAW FROM A/B/C/D JAWS



Insert key into jaw as far as possible but not past the back of the jaw. Hold key flat in jaw while tightening. Select **CUT**

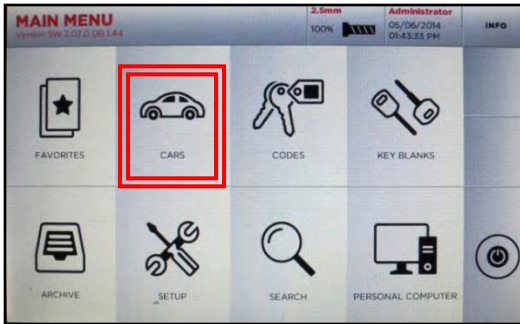


Select **OK**

Key cutting process will now begin. Follow standard cutting procedure.

CUT BY DECODE

Decode Metal Keys Only! Do Not Decode Plastic Keys!



Select **CARS**



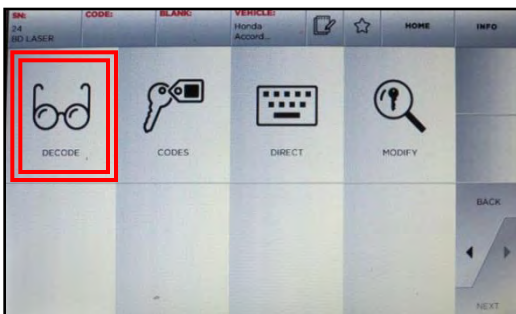
Select **MAKE (Brand)**, then **NEXT**



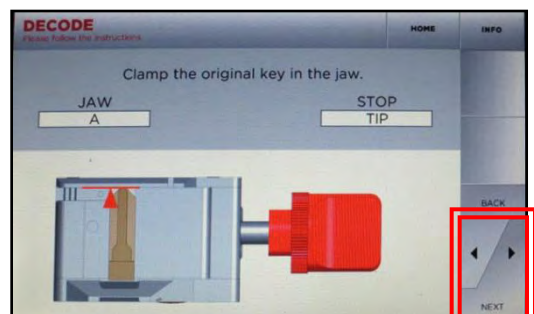
Select **MODEL**, then **NEXT**



Select **YEAR RANGE**, then **NEXT**



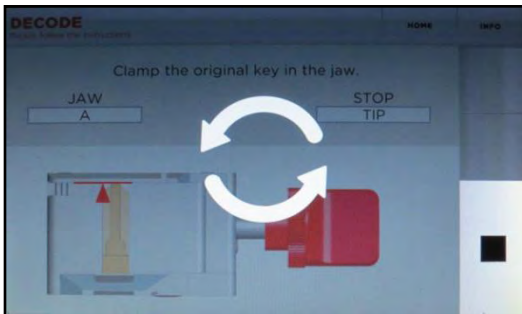
Select **DECODE**, then select **NEXT**



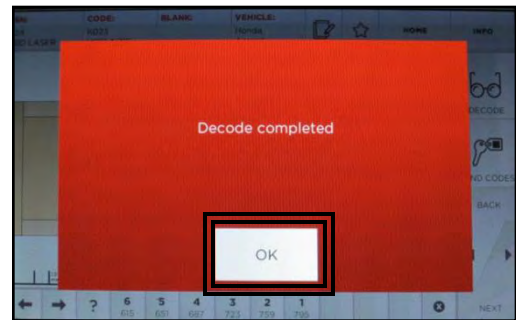
Insert key per screen instructions,
Select **NEXT**

Continue

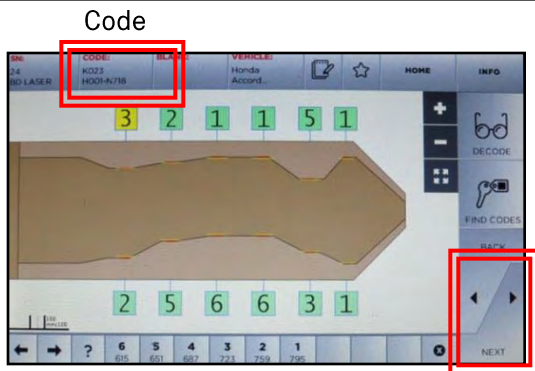
CUT BY DECODE, cont.



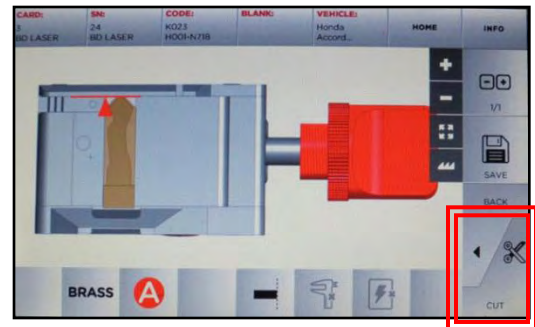
Decoding in process



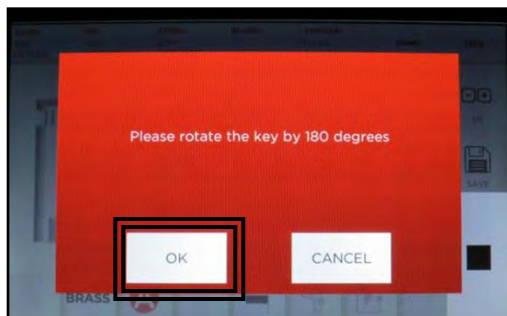
Decode completed, select **OK**



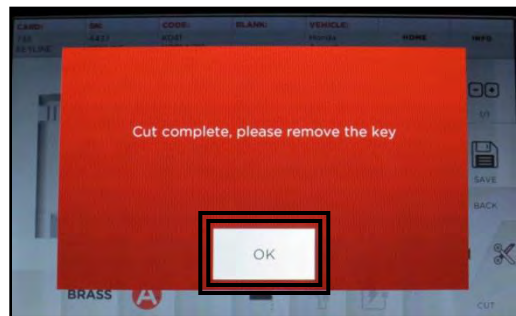
Key depths displayed. Verify that code is displayed, then select **NEXT**



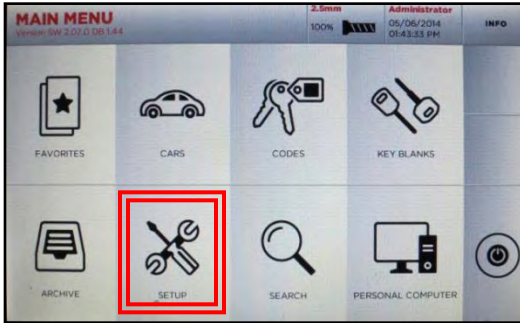
Place new key blank on jaw, then select **CUT**



Rotate key for second side cutting, Select **OK**



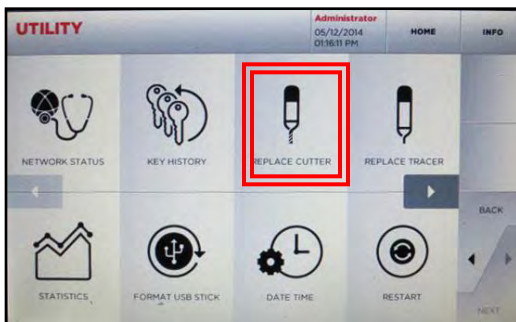
Key Cutting complete. Select **OK**.



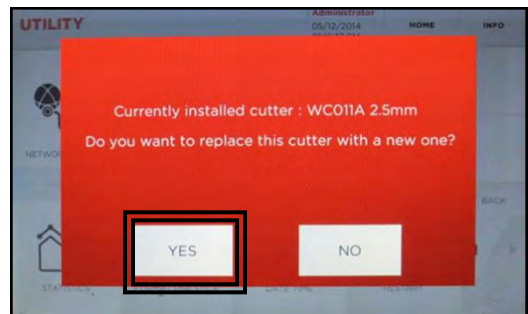
Select **SETUP**



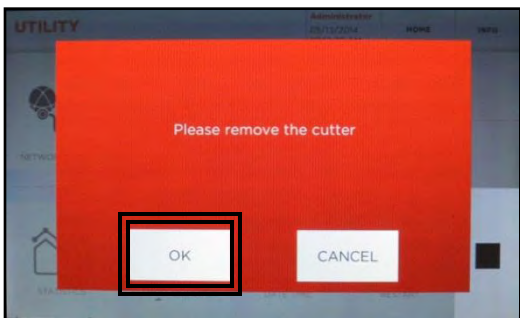
Select **UTILITY**



Select **REPLACE CUTTER**, make sure appropriate jaw is installed



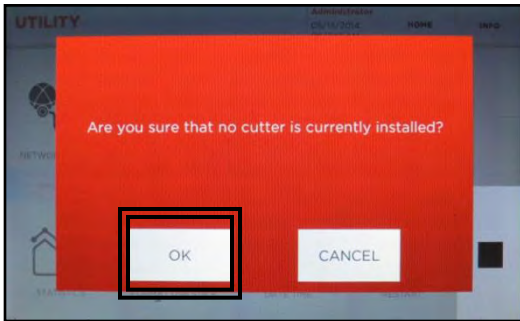
Current cutter installed displays, select **YES** to continue



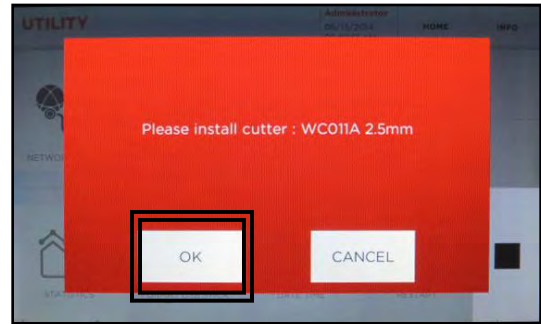
TO REMOVE CUTTER:

1. Insert red cutter removal tool in top of machine and rotate until it drops in position.
2. Press down to lock onto cutter.
3. Rotate until arrow on top red tool points left (9 o'clock position).
4. Insert long T-wrench into black collar on left side of cutter guard and loosen three turns. Leave wrench in place.
5. Remove red rod with cutter attached.
6. Remove old cutter from tool.
7. Select **OK** on screen.

Continue



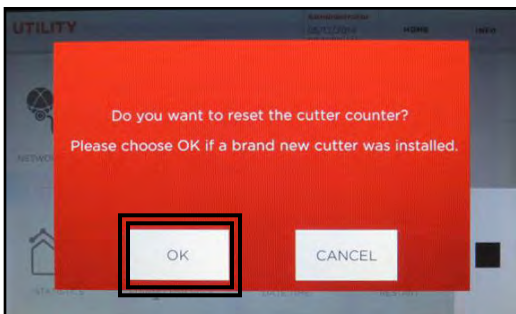
Confirm cutter removal, select **OK**. Jaw will move into position.



Install new cutter; see instructions below.

TO INSTALL NEW CUTTER:

1. Insert new cutter on red tool pressing in until cutter clicks into place.
2. Insert into hole on top of machine
3. Rotate until cutter rests lightly on the silver dot on the jaw and turn to 9 o'clock position before tightening
4. Tighten set screw with the long t-wrench
5. Remove t-wrench and red tool.
6. Select **OK** on screen.

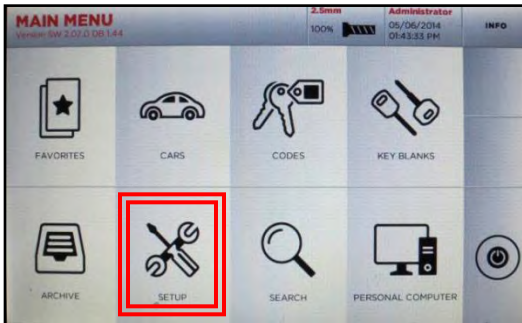


Select **OK** to reset cutter counter (only if cutter is brand new)

Select Home at top of screen to get to Main Menu.

TRACER REPLACEMENT

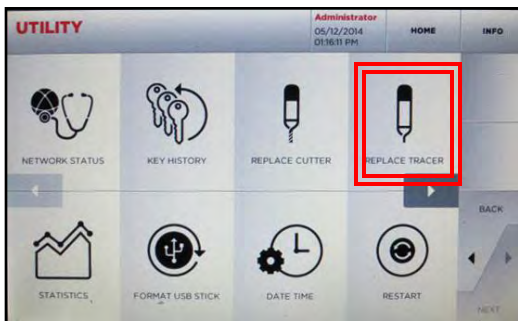
15



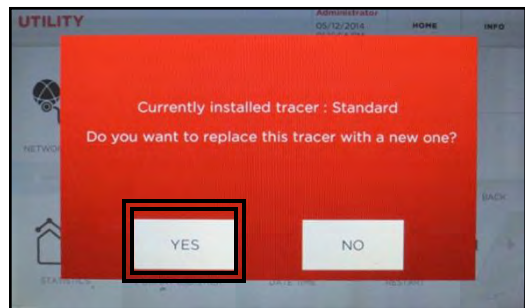
Select **SETUP**



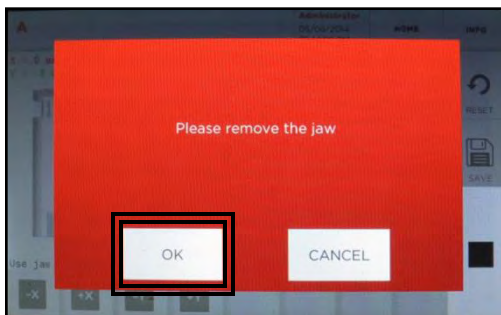
Select **UTILITY**



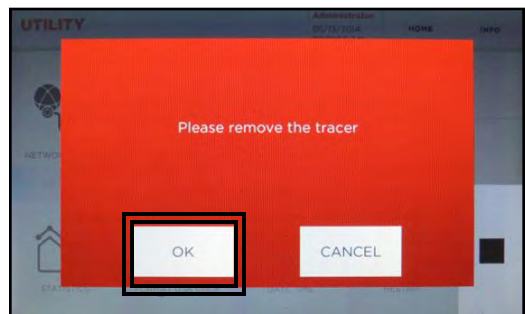
Select **REPLACE TRACER**



Current tracer installed displays, select **YES** to continue



Remove jaw, then select **OK**



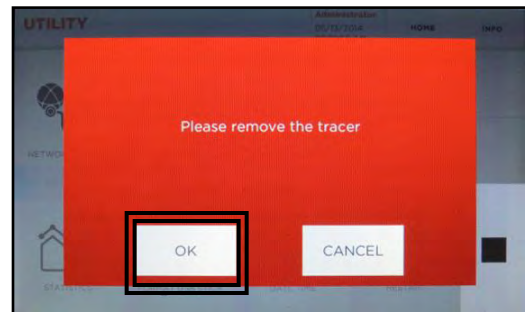
Remove tracer; see instructions on page 16.

Continue

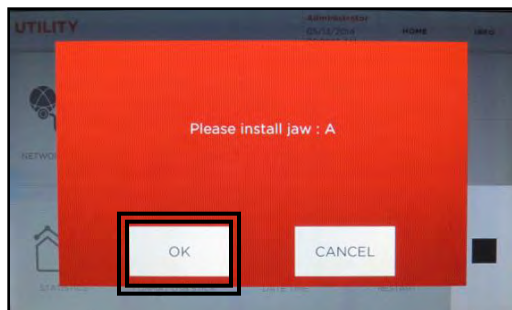
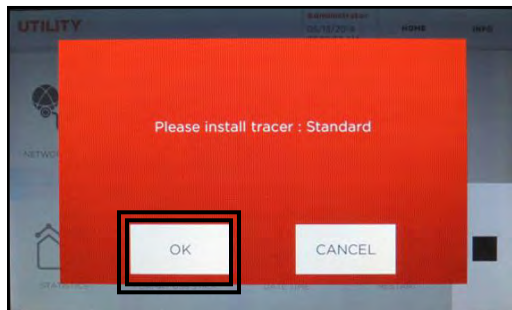


TO REMOVE TRACER:

1. Use short 2.5mm T-wrench to remove right side safety shield
2. Use 2.5mm short T-wrench to loosen tracer setscrew $\frac{1}{2}$ a turn
3. Pull out tracer.
4. You may use pliers to remove tracer if it is bent or broken.



Select **OK** once tracer is removed



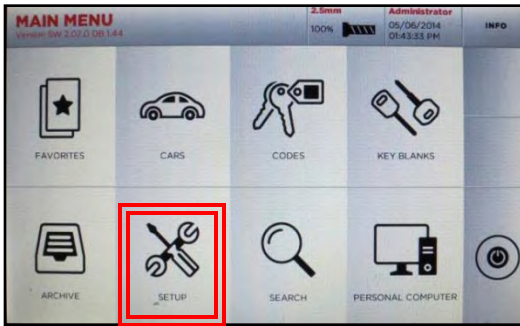
TO INSTALL NEW TRACER:

1. Install new tracer as far as it will go – you cannot go too far.
2. Be sure flat side of tracer is facing right to allow the set screw to seat properly.
3. Tighten set screw. **DO NOT OVER TIGHTEN.**
4. Re-install safety shield.
5. Select **OK** once tracer is successfully installed.
6. Install Jaw A, then select **OK**.
7. Proceed with **Jaw Setup** (see page 4) for instructions.

JAW SETUP - TIBBE (H)

17

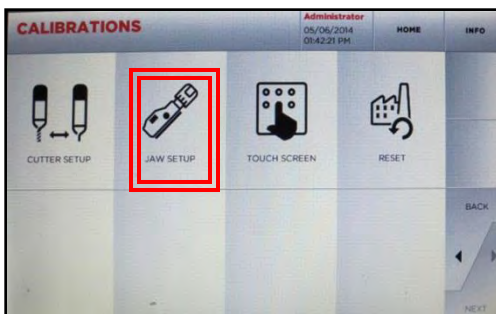
REQUIRED ITEMS: H Jaw, Tibbe calibration template,
original un-cut Tibbe blank, 2.5mm allen wrench



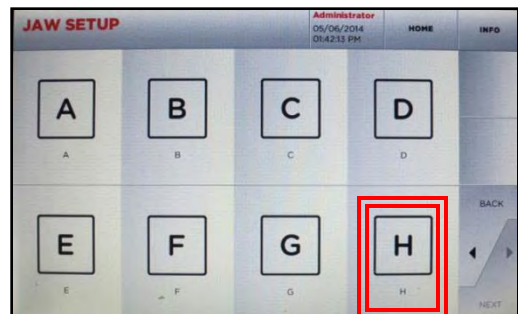
Select **SETUP**



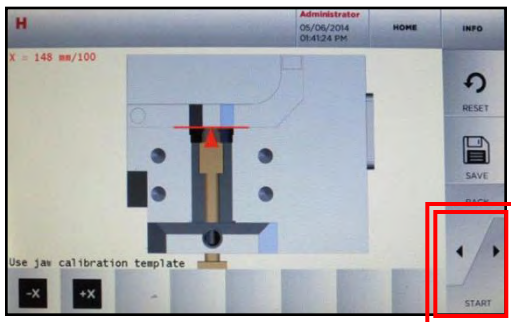
Select **CALIBRATIONS**



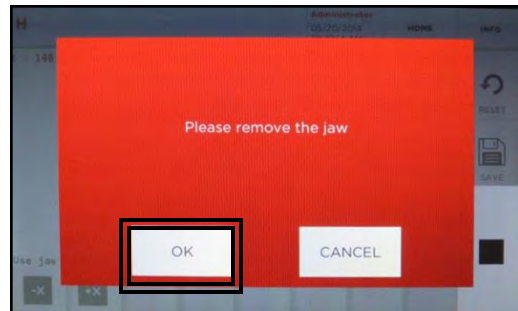
Select **JAW SETUP**



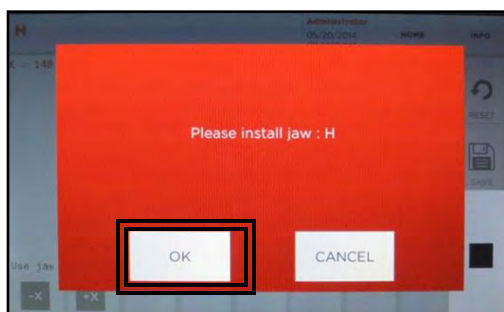
Select **H jaw**



Select **START**

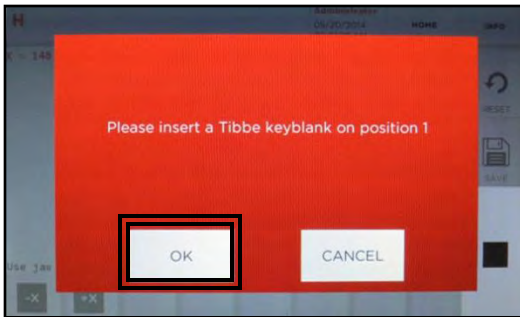


Remove current jaw, select **OK**

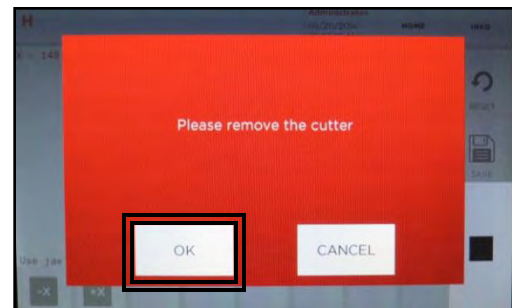


Install jaw H, then select **OK**

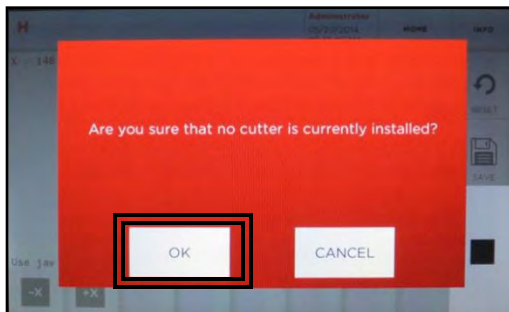
Continue



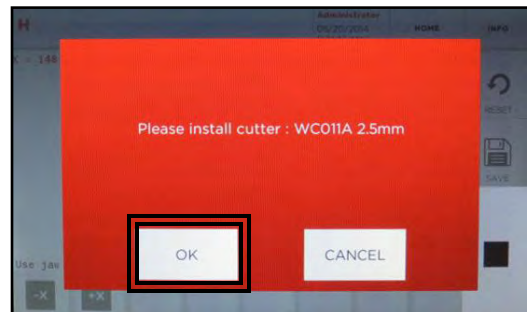
Insert a standard Tibbe key blank in jaw at **position 1** as shown in pictures



Remove the cutter, select **OK**



Confirm cutter removal, select **OK**
Jaw will move into position

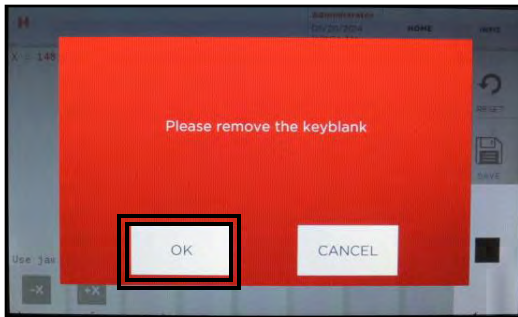


Install 2.5mm as shown in picture, then select **OK**

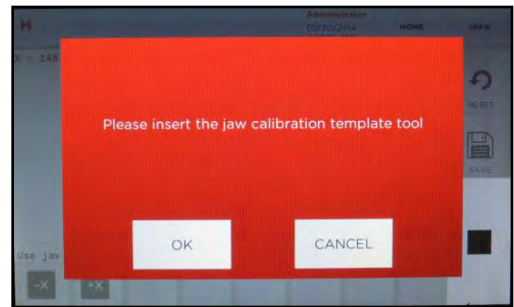


Install cutter until it drops down and rests on top of the Tibbe key blank. Tighten cutter set screw. Jaw will move into position after selecting **OK**.

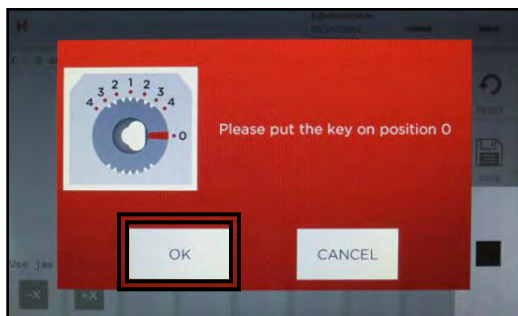
Continue



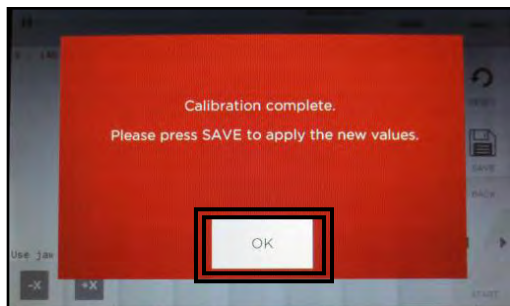
Remove key blank. Select **OK**.



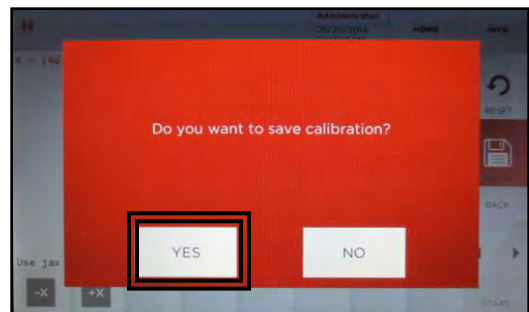
Insert Tibbe jaw calibration template (metal Tibbe template included with H Jaw). Insert template completely into jaw. Tighten front set screw with included Allen wrench.



Turn template to position 0 (as shown in above picture) and tighten left side thumb wheel to lock in position. Select **OK** and jaw calibration will begin.



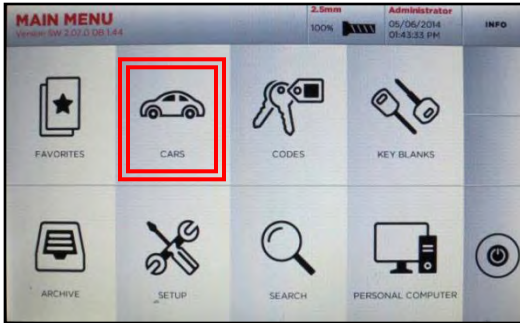
Once done, select **OK**.



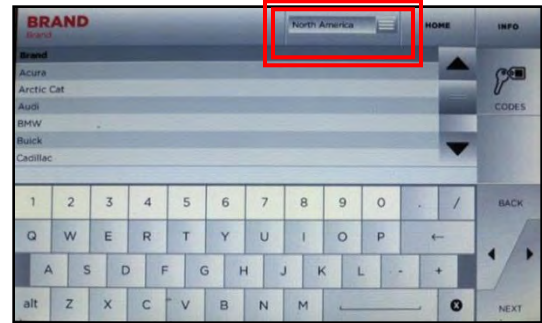
Select **YES** to save calibration.

From this screen, select **HOME** to go to the Main Menu. You can now proceed to Cut by Code – Tibbe instructions on Page 20.

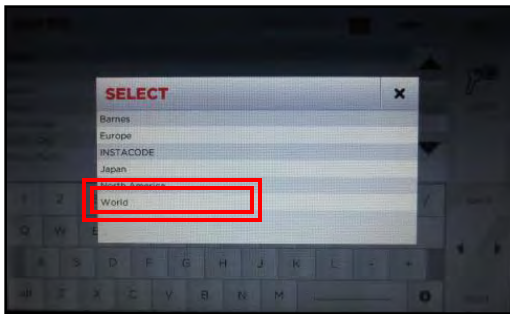
CUT BY CODE - TIBBE (H)



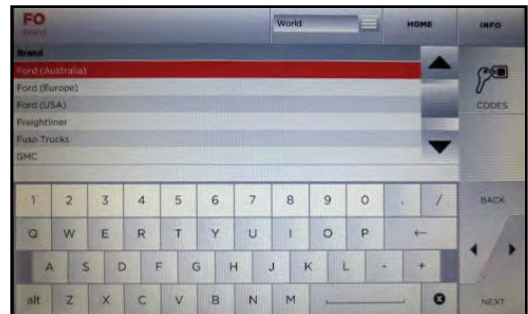
Select **CARS**



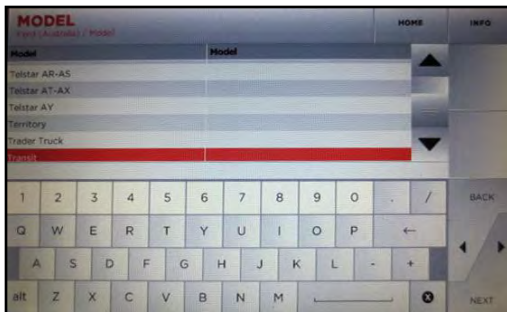
In the **BRAND** selection, go to drop down menu at the top



Select **WORLD**



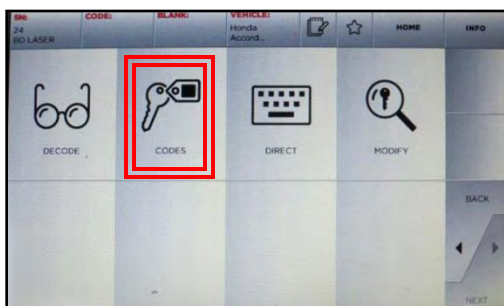
Select **Ford (Australia)** for Transit Connect



Select **MODEL** (i.e. Transit)



Select year range and press **NEXT**

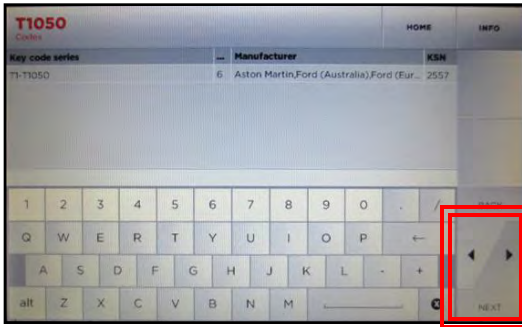


Select **CODES**, then **NEXT**

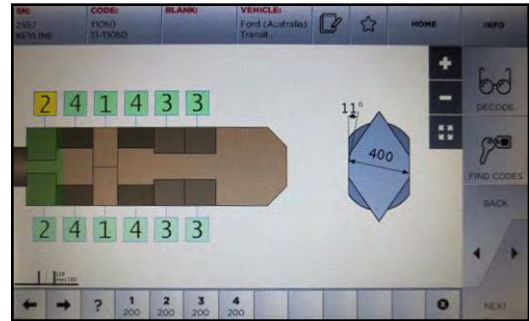
Continue

CUT BY CODE - TIBBE (H), cont.

21



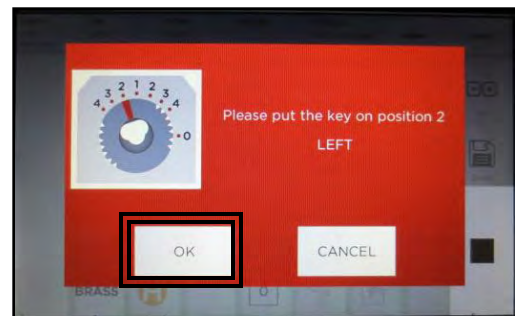
Enter Code, select **NEXT**



Key depths displayed, press **NEXT**



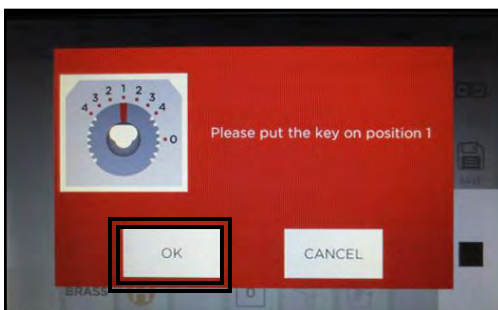
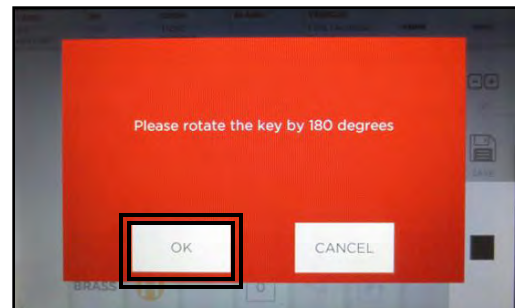
Insert Tibbe key blank on jaw in position 0, select **CUT**



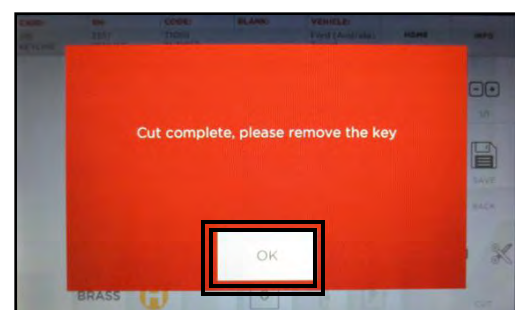
Turn key to displayed position and direction

Follow screen prompts until first side of key cutting is complete. **Machine will prompt to put key into position 1, then select OK.**

Rotate key 180 degrees when prompted and select **OK**. Follow prompts for second side key cutting.



Turn key to position 1, select **OK**.



Select **OK** and remove key.

994 LASER SPARE PARTS

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Description	Part Number
Universal 2.5mm cutter (WC011A)	B3320
1.5mm cutter – (G Jaw - Edge Cut – CL005)	RIC09617B
Universal Tracer (TL003)	RIC09483B
Magnetic Tip Stop (for F & G Jaw)	B3405
Plunger Tool	B3315
Cutter setup blanks (5pk)	B3319
Jaw calibration template	B3354
"A" Jaw - Red	B3311
"B" Jaw - Gray	B3312
"C" Jaw - Green	B3313
"D" Jaw - Blue	B3314
"G" Jaw Kit – Yellow (Jaw, Magnetic Tip Stop, 1.5mm Cutter and Tracer)	OPZ09486B
"H" Jaw - Orange	OPZ09523B
Fan Filter	B3326
Infiniti Adaptor (AD02)	B3352
Lexus 80K Adaptor (AD03)	B3379
Ducati/Aprilia/Guzzi Adaptor (AV08)	OPZ09329B
3mm T-wrench (Long)	B3316
2.5mm T-wrench (Short)	B3317
Automatic Vacuum Attachment	B3318

SOFTWARE UPDATE INSTRUCTIONS

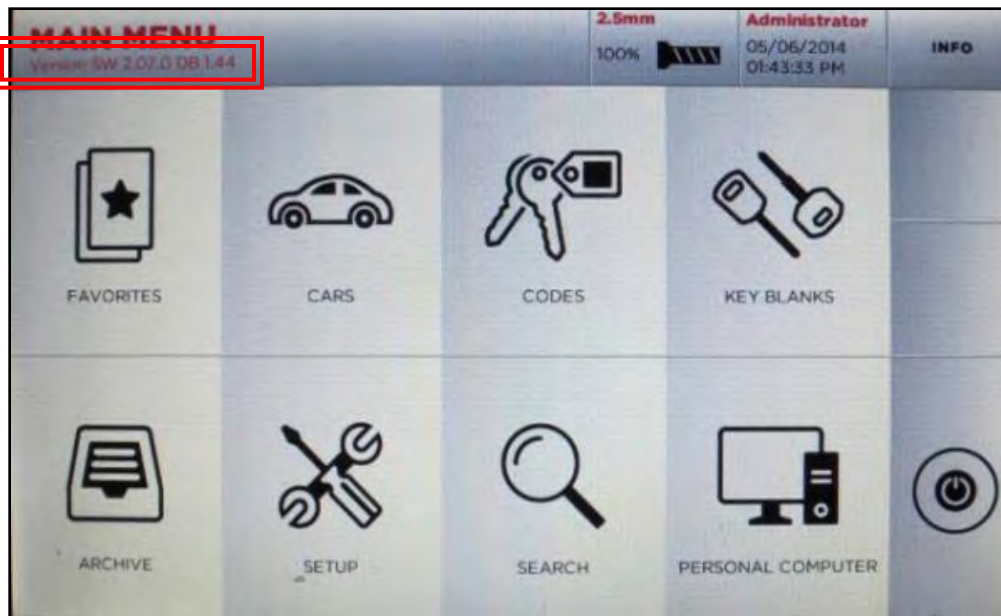
SOFTWARE UPDATE VIA USB MEMORY STICK & KEYONLINE WEBSITE

WHAT YOU WILL NEED:



Console, USB Memory Stick (included with new consoles), PC with Internet connection

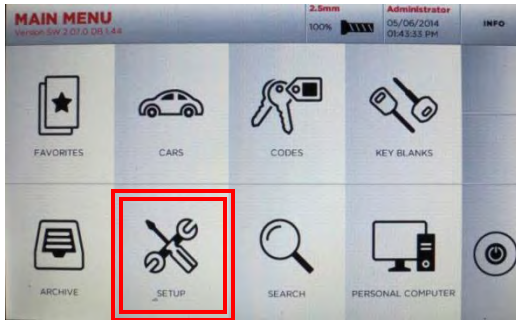
NOTE: USB Memory Stick must be blank with no files on it



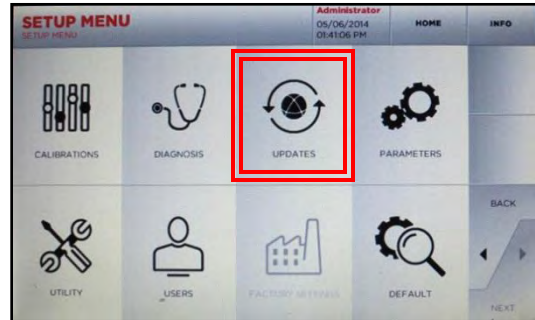
To check your current software version, see 'Version SW' below the Main Menu tab

STEP 1: Prepare USB Memory Stick with Update File

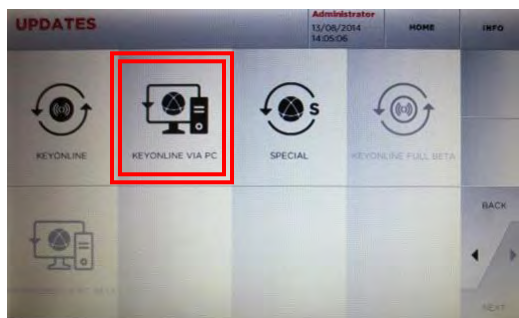
24



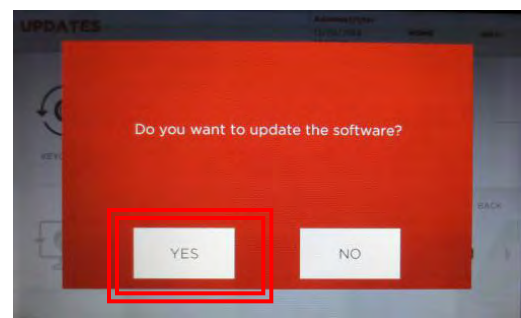
At **MAIN MENU**, select **SETUP**



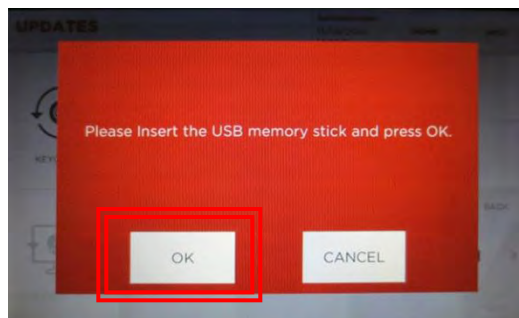
At **SETUP MENU**, select **UPDATES**



Then select **KEYONLINE VIA PC**



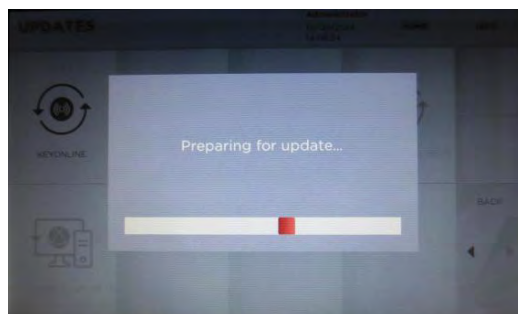
Select **YES** to Software Update



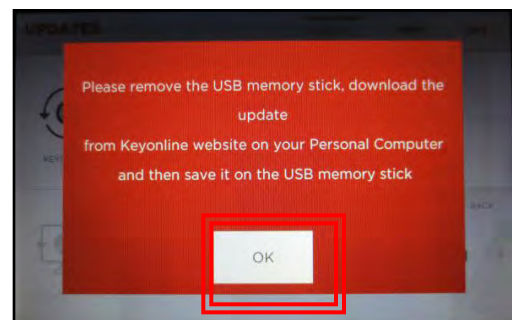
Insert USB Memory Stick, select **OK**



USB stick inserts on right side of console



Console prepares software file

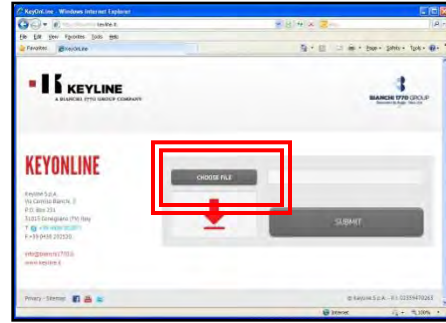


Remove USB stick, Select **OK**

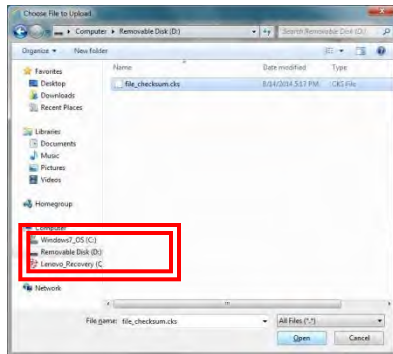
STEP 2: Install Update File on USB from PC



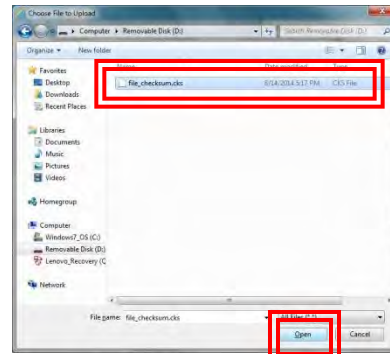
Insert USB stick into USB port on PC then go to <http://keyonline.keyline.it>



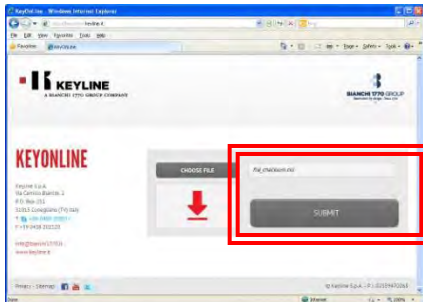
On site, double-click **CHOOSE FILE**



Go to Computer, then double-click **Removable Disk**



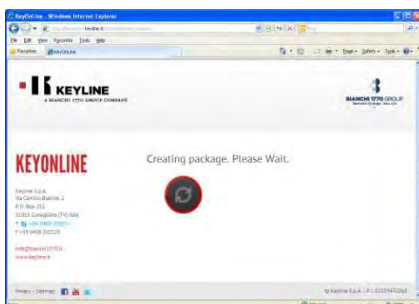
Highlight the '.csk' file listed and click **OPEN**



File now appears in the box on the Keyonline site, click **SUBMIT**



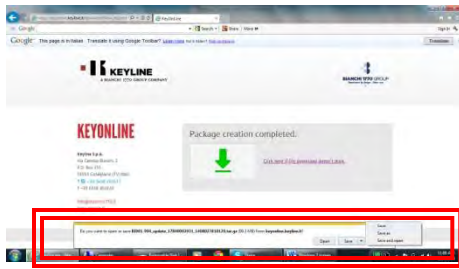
Click **OK** when this screen appears



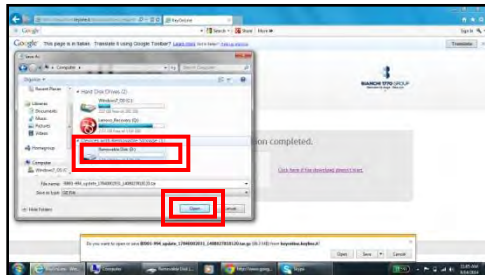
Software package creation will begin. This take up to a few minutes depending on your Internet speed.

STEP 2, cont: Install Update File on USB from PC

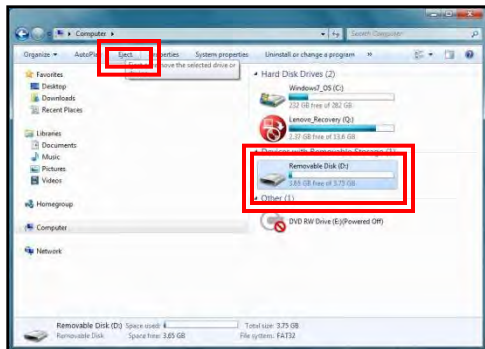
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Package creation completed should appear. You will be prompted with a pop up at the bottom of the screen, click on the drop down arrow to the right of 'SAVE' and select **'SAVE AS'**



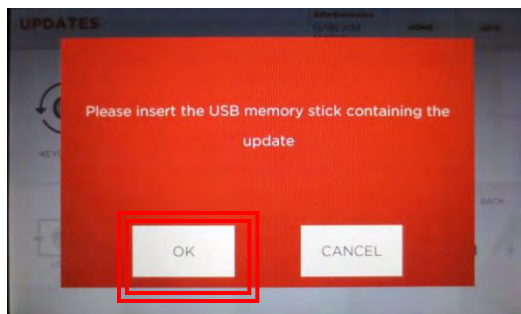
After selecting **'SAVE AS'**, you will be prompted to select the destination where you want to save the file. Go to Computer, then highlight Removable Disk and select **OPEN**. The file will begin downloading to the Removable Disk (i.e. the USB memory stick). **NOTE:** The file can take up to 45 minutes to download depending on Internet speed and file size.



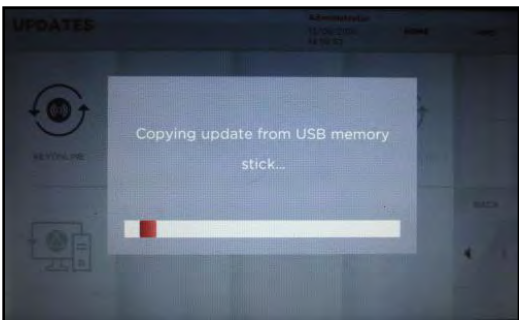
Once the update file has finished installing you may exit the Keyonline site and then safely remove the Removable Disk from your drive. To Eject, go to Computer, then highlight Removable Disk and select **'Eject'** from the menu bar.

You can now take the USB memory stick back to your console to complete the software update.

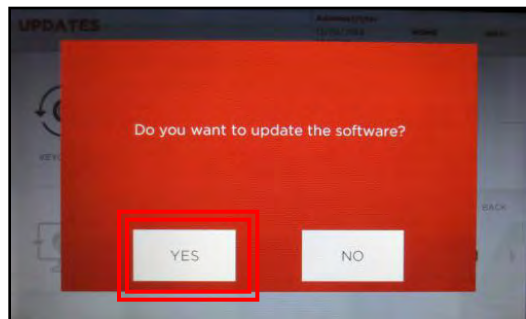
STEP 3: Complete Software Installation on Console



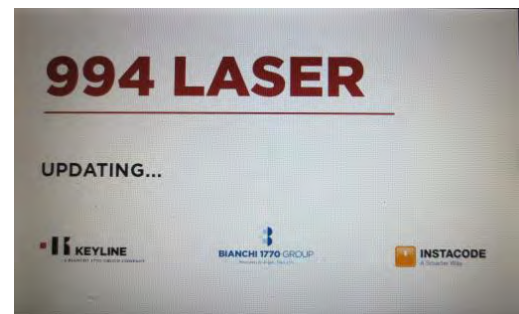
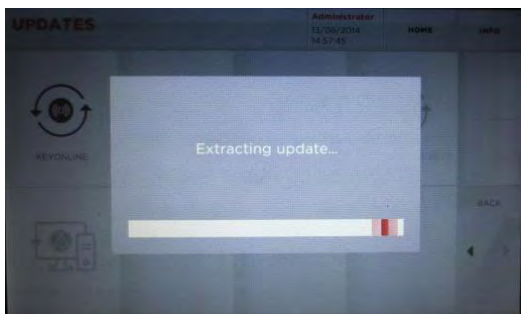
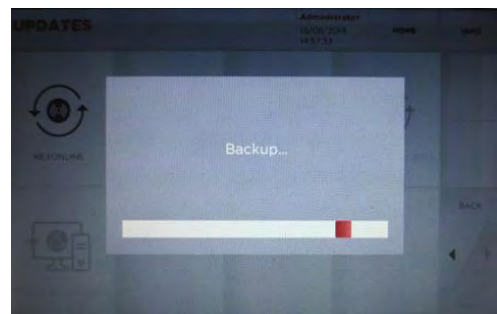
Insert USB into console and select **OK**



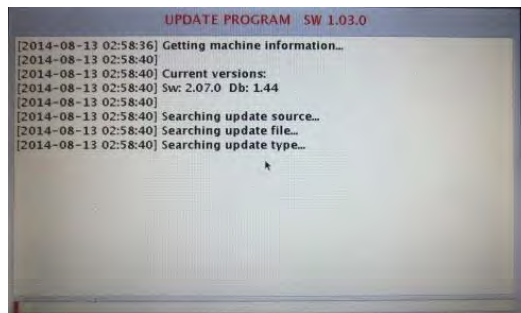
Update begins



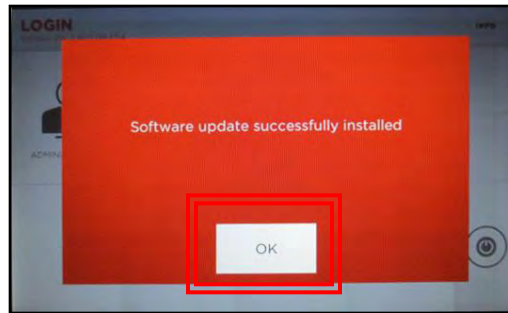
Select **YES** to confirm update



Machine will re-boot and power back up as update continues



Update continues; progress bar on bottom



Update successful; select **OK**