



Innovators by design | Since 1770
A BIANCHI 1770 GROUP COMPANY

884

DECRYPTOR ULTEGRA

Quick-Start Guide



You Will Need: 884 Decryptor Ultegra cloning unit [pictured below] and included power supply cables. Before cloning a key, make sure you have the correct clonable key for cloning.



GETTING STARTED

Plug power supply cable into back of unit and into power source. If you have the optional 12V DC power adaptor, plug into 12V DC power adaptor in vehicle. 884 Decryptor Ultegra is now ready for use.

CLONING A FIXED CODE KEY [TK24, TK1, T5 & T2 CLONABLE KEYS]

1. Insert key into transponder reader and press **READ** button on the unit. The screen will display Reading in Progress and Transponder Type will display. Press **WRITE**.

INSERT THE KEY
AND PRESS READ

TRANS. MEGAMOS MG00(13)
CAN DUPLICATE WRITE

2. Insert the cloneable key (copy key) and press **WRITE**.

INSERT COPY KEY
PRESS WRITE

3. Writing in Progress, Please Wait will display followed by **SUCCESSFUL WRITING**. Key is now ready for use.

SUCCESSFUL WRITING
PRESS READ/WRITE

CLONING A TI® ENCRYPTED CODE KEY [TK40 or TK100 CLONABLE KEYS]

1. Insert original key into transponder reader and press **READ** button on the unit. The screen will display Reading in Progress and Transponder Type will be displayed. Press **WRITE**.

**INSERT THE KEY
AND PRESS READ**

**TEXAS CRYPTO 2 TC04-64
CAN DUPLICATE WRITE**

2. Screen will display PROG. CRYPTO KEY?, RD=NO WR=YES. Leave the original key in the reader and press **WRITE** to indicate **YES**.

**PROG. CRYPTO KEY?
RD=NO WR=YES**

3. Leave original key in reader for Calculation process. Once prompted, insert TK40/TK100 head or full key, then select **WRITE**.

**CALCULATING...
PLEASE WAIT**

**INSERT TK40/100
PRESS WRITE**

4. **WRITING IN PROGRESS** begins and **SUCCESSFUL WRITING** will be displayed.

**SUCCESSFUL WRITING
PRESS READ/WRITE**

5. Key is now ready for use.

CLONING A PHILIPS® CRYPTO (PH20) KEY [TK60 or TK100 CLONABLE KEYS]

STEP 1

1. Insert original key into transponder reader and press **READ** button once. If the transponder key reads PHILIPS CRYPTO PH20, it is possible to proceed to the [Philips] key cloning procedure.

**PHILIPS CRYPTO PH20(46)
PRESS WRITE**

2. Leave original key in the cloning tool and press **WRITE**. Wait until the following message appears on the screen:

**INSERT TK60/100
PRESS WRITE**

3. Remove the original key, insert a TK60 or TK100 and press **WRITE**. Wait until the following message appears on the screen:

**STEP 1 COMPLETE
PROCEED TO STEP 2**

STEP 2 (VEHICLE IGNITION PROCEDURE)

1. Select the correct blade for the original key and successfully duplicate/cut the blade.
2. Insert the TK60 or TK100 head into the cut horseshoe blade (they do not have to be snapped together at this time). Use the TK60 or TK100 key to turn the vehicles ignition to the ON position for 5 seconds, turn to OFF, then remove the key from the ignition for 2 seconds. Repeat this step 2 more times.



STEP 3

1. The screen will now display INSERT THE KEY AND PRESS READ. Insert the TK60/TK100 key into the cloning tool and press **READ**. The following message will display:

**STEP 2 READ COMPLETE
PRESS WRITE**

2. Press **WRITE**. The following message will display:

**PROG. CRYPTO KEY?
RD=NO WR=YES**

3. Press **WRITE** to indicate **YES**. The following message will display:

**INSERT ORIGINAL KEY
PRESS WRITE**

4. Remove the TK60/TK100 key, insert the original key and press **WRITE**. The following message will display: (*NOTE: No data is being written to the original key)

**CALCULATING ...
PLEASE WAIT 03**

5. After calculation is complete, the following message will display:

**RE-INSERT TK60/100
PRESS WRITE**

NOTE: If a Remote Head is detected, you may see screen below. If so, Press **WRITE** to continue to Step 5 (at left):

**PRESS UNLOCK 01
RD=CambiaCan WR=No Tel**

6. Remove the original key and insert TK60 key used in the previous steps and press **WRITE**. Wait until the following message displays:

**SUCCESSFUL WRITING
PRESS READ/WRITE**

7. Fully snap the TK60 or TK100 head into the blade and the key is now ready for use.
8. To make additional keys for the same vehicle, insert new TK60 or TK100 head and press **WRITE**. Assemble the TK60 or TK100 with a new cut horseshoe blade and the key is now ready for use. Repeat step 8 for each additional key required.

CLONING A BM100 FOB FOR BMW

The BM100 is the first clonable solution in the market for BMW. The BM100 consists of a clonable FOB and the BM2P Emergency Key for the vehicle door. The BM100 does not include any remote functions.



STEP 1

1. Insert original BMW FOB into transponder reader and press **READ** button once. If the transponder key reads PHILIPS CRYPTO PH20, it is possible to proceed with the key cloning procedure.

**PHILIPS CRYPTO PH20(46)
PRESS WRITE**

2. Leave original key in the cloning tool and press **WRITE**. Wait until the following message appears on the screen:

**INSERT TK60/100
PRESS WRITE**

3. Remove the original key, insert a BM100 and press **WRITE**. Wait until the following message appears on the screen:

**STEP 1 COMPLETE
PROCEED TO STEP 2**

STEP 2 (VEHICLE IGNITION PROCEDURE)

1. Take the BM100 to the vehicle.
2. Insert the BM100 into the ignition slot. Push the start button twice (to put in Accessory mode). Wait 5 seconds and hit the Start button again and remove FOB for 2 seconds. Repeat this complete step 2 more times.

STEP 3

1. The screen will now display INSERT THE KEY AND PRESS READ. Insert the BM100 into the cloning tool and press **READ**. The following message will display:

**STEP 2 READ COMPLETE
PRESS WRITE**

2. Press **WRITE**. The following message will display:

**PROG. CRYPTO KEY?
RD=NO WR=YES**

3. Press **WRITE** to indicate **YES**. The following message will display:

**INSERT ORIGINAL KEY
PRESS WRITE**

4. Remove the BM100, insert the original FOB and press **WRITE**. The following message will display: (*NOTE: No data is being written to the original key)

**CALCULATING ...
PLEASE WAIT 03**

- 5) After calculation is complete, the following message will display:

**RE-INSERT TK60/100
PRESS WRITE**

NOTE: If a Remote Head is detected, you may see screen below. If so, Press WRITE to continue to Step 5 (at left):

**PRESS UNLOCK 01
RD=CambiaCan WR=No Tel**

6. Remove the original key and insert BM100 key used in the previous steps and press **WRITE**. Wait until the following message displays:

SUCCESSFUL WRITING
PRESS READ/WRITE

7. FOB is now ready for use. You can cut the emergency key (BM2P) at this time to work the door.
8. **To make additional FOBs for the same vehicle**, insert new BM100 and press **WRITE**. Repeat step 8 for each additional FOB required.

CLONING A NS100 FOB FOR NISSAN/INFINITI

The NS100 is the first clonable solution in the market for Nissan and Infiniti. The NS100 consists of a clonable FOB and the NS34CP Emergency Key for the vehicle door. The NS100 does not include any remote or proximity functions.



STEP 1

1. Insert original BMW FOB into transponder reader and press **READ** button once. If the transponder key reads PHILIPS CRYPTO PH20, it is possible to proceed with the key cloning procedure.

PHILIPS CRYPTO PH20(46)
PRESS WRITE

2. Leave original key in the cloning tool and press **WRITE**. Wait until the following message appears on the screen:

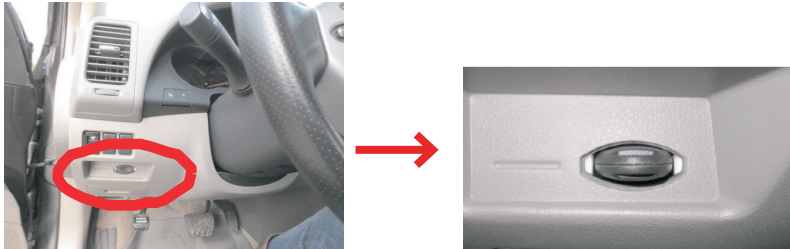
INSERT RK60/TK60/100
PRESS WRITE

3. Remove the original key, insert a NS100 and press **WRITE**. Wait until the following message appears on the screen:

STEP 1 COMPLETE
PROCEED TO STEP 2

STEP 2 (VEHICLE IGNITION PROCEDURE)

1. Take the NS100 to the vehicle.
2. Insert the NS100 into the Intelligent Key port (usually located to the bottom left of the steering wheel) for 5 seconds, then remove for 3 seconds. **Repeat this complete step 2 more times.**
NOTE: START/STOP Button does not need to be pushed, it will remain in LOCK mode during this procedure and dashboard may display No Key - this is normal.



STEP 3

1. The screen will now display INSERT THE KEY AND PRESS READ. Insert the NS100 into the cloning tool and press **READ**. The following message will display:

**STEP 2 READ COMPLETE
PRESS WRITE**

2. Press **WRITE**. The following message will display:

**PROG. CRYPTO KEY?
RD=NO WR=YES**

3. Press **WRITE** to indicate **YES**. The following message will display:

**INSERT ORIGINAL KEY
PRESS WRITE**

4. Remove the NS100, insert the original FOB and press **WRITE**. The following message will display:
(*NOTE: No data is being written to the original key)

**CALCULATING ...
PLEASE WAIT 03**

5. After calculation is complete, the following message will display:

**RE-INSERT TK60/100
PRESS WRITE**

6. Remove the original key and insert NS100 key used in the previous steps and press **WRITE**. Wait until the following message displays:

**SUCCESSFUL WRITING
PRESS READ/WRITE**

7. FOB is now ready for use. You can cut the emergency key (NS34CP) at this time to work the door.
8. **To make additional FOBs for the same vehicle**, insert new NS100 and press **WRITE**. Repeat step 8 for each additional FOB required.

CLONING A NEW TK60 or TK100 FROM AN EXISTING (WORKING) TK60 or TK100

1. Insert the existing (working) TK60 or TK100 key into the cloning tool and press **READ**. The following message will display:

**STEP 2 READ COMPLETE
PRESS WRITE**

2. Press **WRITE**. The following message will display:

**PROG. CRYPTO KEY?
RD=NO WR=YES**

3. Press **WRITE**. The following message will display:

**INSERT ORIGINAL KEY
PRESS WRITE**

4. Leave the existing (working) TK60 or TK100 key inserted and press **WRITE**. The following message will display:

**CALCULATING ...
PLEASE WAIT 03**

5. After the calculation is complete, the following message will display:

**RE-INSERT TK60/100
PRESS WRITE**

6. Remove the existing (working) TK60 or TK100 key, insert a new TK60 chip and press **WRITE**.
Wait until the following message displays:

**SUCCESSFUL WRITING
PRESS READ/WRITE**

7. Cut horseshoe blade and verify it works in vehicle ignition. Fully snap the TK60 chip into the blade and the TK60 key is now ready for use.
8. To make additional keys for the same vehicle, insert new TK60 or TK100 chip and press **WRITE**.
Assemble the TK60 or TK100 with a cut horseshoe blade and the key is now ready for use.
Repeat step 8 for each additional key required.

CANCELLING A CODE IN ORDER TO REUSE A TK60 OR TK100 CHIP

In order to remove the code from the chip, the cancellation procedure is listed below.

1. Insert the TK60 or TK100 into the cloning tool and press **READ**. The following message will appear:

**STEP 2 READ COMPLETE
PRESS WRITE**

2. Press **WRITE**. The following message will appear:

**PROG. CRYPTO KEY?
RD=NO WR=YES**

3. Now press **READ** (RD=NO). The following message will appear:

**DELETE KEY?
RD=NO WR=YES**

4. Confirm the cancellation by pressing the **WRITE** button (WR=YES).

**KEY DELETED
PRESS READ**




5. Key is deleted. Remove the TK60 or TK100 chip; it is now ready to be used again.

FIXED CODE TRANSPONDER GENERATION FOR CLONING

Follow this procedure to generate a fixed code or manually enter an existing fixed code for cloning.

1. From the main screen, select the F3 function on the keypad until you reach the CODE GENERATION screen;



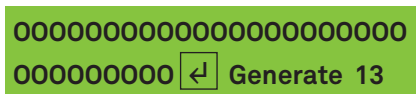
2. Select  to scroll through the code generation options (H.Comm=Holden Commodore, Megamos MG00, Philips PH00, Temic TM10, Temic TM20). Once you have the option you want to use, press  to Select, then  to Select and confirm again the transponder type.



3. All zeros will appear, at which point you can manually enter an existing code using the keypad (a) or generate a new code (b).

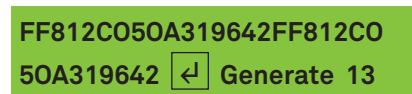
a) Manual entry:


use keypad A-0 to enter code



b) Generate a new code:

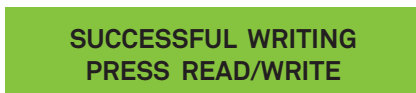
select  and a new code will appear



4. Once you have a code fully entered (either by manual entry or code generation), select .
5. Insert R/W key to be cloned and Press **WRITE** when prompted



6. Screen should now display SUCCESSFUL WRITING PRESS READ/WRITE



TROUBLESHOOTING

Possible Error Messages:

No Transponder Detected - Displayed when READING

This error message can occur if a transponder key is not properly inserted into the cloning tool reader.

1. Make sure transponder key is fully inserted into the cloning tool reader and that you are using the correct cloneable transponder key or chip type.

No Transponder Detected or Wrong Transponder Type - Displayed when WRITING

This error message can occur if the wrong transponder key is being used to write on or if the correct transponder key is not properly inserted into the cloning tool reader. It can also occur if the 884 software needs updated.

1. Make sure transponder key is fully inserted into the cloning tool reader and that you are using the correct cloneable transponder key or chip type.
2. Make sure the 884 software is updated to the latest software version (see www.bianchi1770usa.com and check the Software Downloads section).

Blank TK60/TK100

This message occurs (in Step 3) when Step 2 is not completed correctly.

1. Turn the cloning tool off and back on and then start over from Step 1. When performing Step 2, make sure the turning of the ignition procedure is done correctly and in fluid movements.

Step 2 Wrong

This message occurs (in Step 3) when Step 2 is not completed correctly.

1. Turn the cloning tool off and back on and then start over from Step 1. When performing Step 2, make sure the turning of the ignition procedure is done correctly and in fluid movements.

Error 03

This error message occurs when the calculation is unable to find the secret key.

1. Turn the cloning tool off and back on and then start over from Step 1.

Error 62, Try Again

This error message occurs when the secret key found at the end of the calculation does not match the original key.

1. Turn the cloning tool off and back on and then start over from Step 1.

Error 63, Try Again

This error message occurs when the ID of the original key at the end of the calculation is different from the one expected.

1. Turn the cloning tool off and back on and then start over from Step 1.

Error XX

This error message occurs when there is an error in the calculation.

1. Turn the cloning tool off and back on and then start over from Step 1.

For additional information, please visit our website at www.keyline-usa.com or call **800-891-2118** for technical support.