

CHRYSLER

Y160-PHT ♦ Y165-PHT

TO BYPASS THESE PROCEDURES FOR Y160-PHT ONLY
SEE BACK COVER

You must have 2 already programmed Sentry™ Keys to make SPARE KEYS. If you only have one programmed key OR if ALL the keys are lost, other equipment is required to program a new key.

CREATING SPARE KEYS

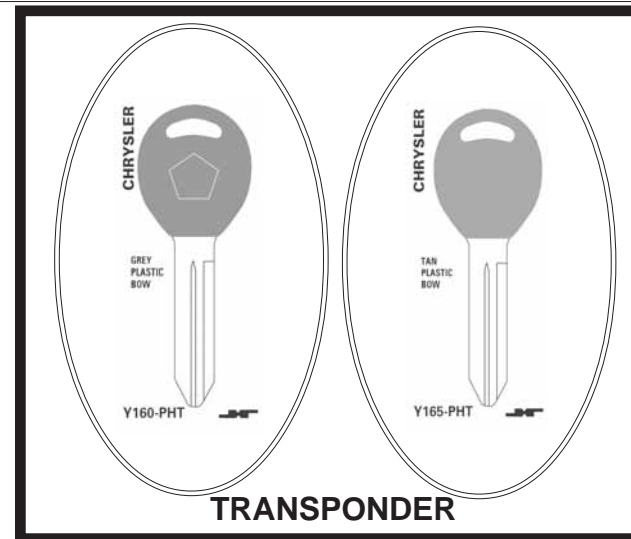
The vehicle can only accept up to 8 total Sentry™ Keys.

1. Cut mechanical code on the Sentry™ Key blank. Use Jet No. Y160-PHT or Y165-PHT as applicable, and set this duplicate aside for the time being.
2. Insert one of the two preprogrammed Sentry™ Keys into the ignition lock and turn it on the "ON" position.
3. Leave ignition in the "ON" position for 5 to 15 seconds and now turn to "OFF" & remove key.
4. Within 15 seconds, insert the 2nd preprogrammed key into the ignition and turn it "ON".
5. In about 10 seconds the Sentry™ Key Immobilizer System is put into the Customer Learn Mode. A single chime will sound and/or the Vehicle Theft Security System Lamp flashes. The Learn Mode remains "ON" for 60 seconds. Use this time to turn the key to "OFF" and remove it. AND.....
6. Insert the new duplicate key from Step 1 into the ignition and turn it "ON" for about 10 seconds.
7. After about 10 seconds have passed the chime will sound and the Vehicle Theft Security System Lamp will stop. Wait 5 seconds and turn key to "OFF" position. The new duplicate is now programmed.
8. To program additional Sentry™ Keys, follow Steps 1 thru 7. Remember, the vehicle can only accept up to 8 total keys.

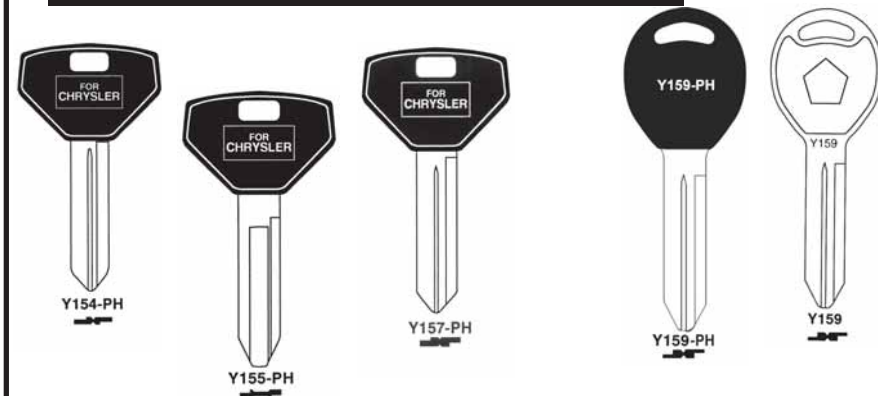
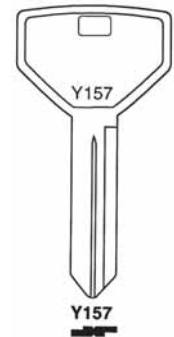
NOTICE: If someone tries to use a 'wrong key' or bypass the cylinder, the Sentry™ Key Immobilizer Module will fail to identify a recognizable Transponder Identifier. Two additional unsuccessful tries causes a message to be sent to the Power Train Control Module which in turn disarms the vehicle's fuel system. Continued failed attempts with the wrong key will also disarm the starter. The Chrysler dealer may have to be contacted for service.

We suggest that you consult the customer's vehicle owners manual before following ANY procedure you believe to be correct.

JET CHRYSLER KEY BLANKS



SEE CATALOG
FOR ALL
CHRYSLER
KEYS



FORD

TO BYPASS THESE PROCEDURES - SEE BACK COVER

You will encounter FORD 1 Key System AND Ford 2 Key System Vehicles. You may be able to predetermine which of the two PATS Systems applies to the vehicle at hand by utilizing the following two charts. Early model year production may deviate.

FORD VEHICLES 1 KEY SYSTEM APPLICATIONS:

1997 (and earlier) Ford: Expedition, Mustang and Taurus

Mercury: Sable

1998 Ford: Expedition and Contour.

Lincoln: Navigator - **Mercury:** Mystique

1 Key System Procedure

➤ **Duplicating:** Place original key in ignition and turn to "ON" position. On some models a theft security light should turn on. Wait a few seconds until light turns off. Remove original key and insert new duplicate transponder key. (Removal of original and insertion of duplicate must be done within 10 seconds). Theft security light will turn on for a few seconds. When light turns off, duplicate key is programmed. A maximum of 16 total keys can operate these vehicles.

➤ **Originating:** Make an operating transponder key by code or fitting. Insert new transponder key in ignition and turn to "ON" position. Theft security light will stay on for 10 to 15 minutes. (Some models may use a flashing light). When the theft security light turns off, turn new transponder key to "OFF" position. Repeat this two more times. (Each cycle must be started within 5 minutes after the theft security light turns off). After third cycle, new key will operate vehicle. Any key which formerly operated the ignition will now be inoperative.

2 Key System Application:

1998 Ford: Crown Victoria, Explorer, Mustang and Taurus

Lincoln: Continental and Town Car

Mercury: Grand Marquis, Mountaineer and Sable

1999 Ford: Contour, Expedition, F-Series, Ranger V6 and Windstar.

Lincoln: Navigator - **Mercury:** Cougar and Mystique

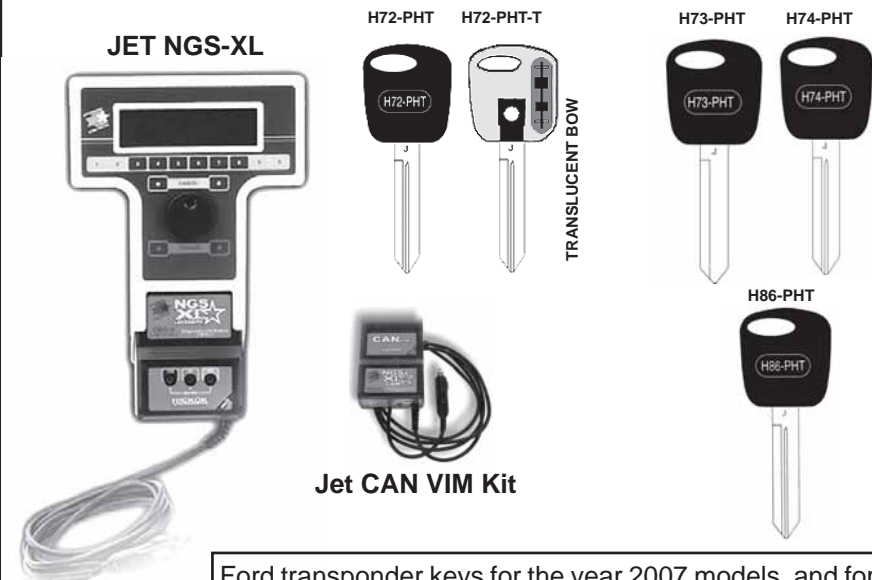
All Transponder equipped Ford vehicles from 2000 on.

2 Key System Procedure

➤ **Duplicating:** TWO ORIGINAL KEYS MUST BE PRESENT. Duplicate correct cuts onto a new transponder key. Insert first original key into ignition lock and turn to "ON" position for 3 to 5 seconds. Remove first key from ignition lock. Within 5 seconds, insert a second, different original key into ignition lock and turn to "ON" position for 3 to 5 seconds. Remove the second original key from ignition lock. Within 10 seconds, insert the new duplicate key into ignition lock. Turn new key to "ON" position for at least one second. Repeat entire sequence if additional new duplicate keys are being programmed. A maximum of 8 total keys can operate these vehicles.

If only one original key is available or if keys are lost, programming requires a New Generation Star Tester (NGS-XL). If the vehicle uses the CAN system, you will also need the CAN VIM with the CAN software card along with the NGS-XL.

We suggest that you consult the customer's vehicle owners manual before following any procedure you believe to be correct.



Ford transponder keys for the year 2007 models, and for all prior years can be made without an original key. The NGS-XL plugs into the vehicle and will create a new key. Vehicles that use the CAN system require the CAN VIM & SOFTWARE. The NGS-XL also duplicates remotes.

GM PASS-Key III®

**B97-PHT ♦ B98V-PHT ♦ B99-PHT ♦ B100V-PHT
B103-PHT ♦ B107-PHT ♦ GMX367-PHT**

SEE BOTTOM RIGHT FOR A BETTER and EASIER IDEA

NOTE: Some vehicles that use Pass-Key III keys but are on the CAN System may require using the procedures on page 64

LEARNING ADDITIONAL PASS-Key III IGNITION KEYS (QUICK LEARN)

The first key used in this procedure must not be a valet key (gray in color). A valet key will not allow you to learn additional keys. Additional keys (up to 10) may be programmed using the following procedure if a valid (learned) key is available for that vehicle.

To "learn" another PASS-Key®, it is necessary to first create a duplicate of the mechanical cut of the current key. The ignition key being learned must be read by the PASS-Key III® module in the following sequence. A driver's key must be used to "learn" any additional keys.

This procedure is for "learning" additional keys not only for replacing a key due to loss of all currently programmed keys.

1. Insert the valid normal driver's key (black in color) and start the vehicle.
2. Once the vehicle has started, turn the ignition switch to the off position and remove the key.

IF THE VEHICLE DOES NOT START USE THE "AUTO LEARN" PROCEDURE.

3. Insert the key to be "learned" and rotate it to "ON" (RUN) within ten seconds of removing the previously used key.
4. The "Security" telltale will turn off once the key has been learned. It may not be apparent that the "Security" telltale went on due to how quick it "learns" the new key.
5. Repeat these steps to program additional keys now if customer so desires.

AUTO LEARN PROCEDURE

Replacing Lost PASS-Key III® Ignition keys

To replace a lost PASS-Key III® Transponder key if all currently programmed keys are lost, it is necessary to determine the mechanical cut. Mechanical codes are recorded on the vehicle invoice. If these codes are available, use them to create a new key. If they are not, follow the procedure below.

The mechanical cut must be determined first. The mechanical cut can be determined from the key code on the ignition lock cylinder or from the original key "knock outs." If the mechanical cut cannot be determined, the ignition lock cylinder must be replaced.

To "learn" the new PASS-Key III® key, use the following procedure:

1. Insert a valid mechanical cut key and rotate it to "ON" (RUN).
2. The "SECURITY" telltale will remain on solid for the length of the auto-learn timer (10 minutes)
3. When the auto-timer expires, the telltale will turn off.
4. Once the telltale turns off, remove the key.
5. Repeat Steps 1-4 two more times (total of 30 minutes)
6. Insert the newly learned key into ignition cylinder and turn to "ON" (RUN). The "SECURITY" telltale should remain off indicating the new key has been learned.
7. Any additional keys (up to a maximum of 10) can be learned using the "Learning PASS-Key III® Ignition Keys (Quick Learn)" in this section.

We suggest that you consult the customer's vehicle owners manual before following ANY PROCEDURE you believe to be correct.

TO AVOID GOING TO THE AUTO TO DUPLICATE KEYS

No need to go out to your customer's car

- A. Use JET's B97-PHT, B99-PHT, B103-PHT, B107-N-PHT Blanks.
- B. Use Jet's SMART CLONE to decode and duplicate codes.
- C. Duplicate cuts on your standard key machine

**The SMART CLONE will notify
you if it cannot duplicate**

SEE BACK COVER FOR DETAILS



GM PASS-Key III + ®

Note: PASS-Key III+® keys cannot be cloned.

There may be some variation on vehicles that are built in one country (e.g. the U.S.) for sale in another country (e.g. Canada). In such a case, dealer equipment such as a Tech 2 tester may be required for programming.

NOTE: You may use "CP" blanks for GMX380-PHT & 381-PHT but not vice versa.

B112-CP-PHT JET non-logo Bow For CIRCLE PLUS KEYS	GMX222CP-PHT Buick Lucerne GMX272CP-PHT Cadillac DTS	GMT265-PHT Cadillac SRX GMX320-PHT Cadillac CTS	GMX380-PHT Chevrolet Malibu GMX380CP-PHT Chevrolet Malibu, etc.	GMX381-PHT Pontiac G6 GMX381CP-PHT Pontiac G6, Solstice
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LEARNING ADDITIONAL PASS-Key III+ IGNITION KEYS (QUICK LEARN)

You must have 2 already programmed keys for this procedure. The first 2 keys used in this procedure must not be a valet key (gray in color). A valet key will not allow you to learn additional keys. Additional keys (up to 12 total) may be programmed using the following procedure if 2 valid (learned) keys are available for that vehicle.

To "learn" another PASS-Key®, it is necessary to first create a duplicate of the mechanical cut of the current key. The ignition key being learned must be read by the PASS-Key III+® module in the following sequence. Two master keys must be used to "learn" any additional keys.

1. Insert the first valid normal driver's key (black in color) and start the vehicle.
2. Once the vehicle has started, wait 2 seconds for the "Security" light to go out, turn the ignition switch to the off position and remove the key.
3. Insert the second valid normal driver's key (black in color) and start the vehicle.
4. Once the vehicle has started, wait 2 seconds for the "Security" light to go out, turn the ignition switch to the off position and remove the key.
5. Insert the new key to be programmed and start the vehicle.
6. Once the vehicle has started, wait 2 seconds for the "Security" light to go out, turn the ignition switch to the off position and remove the key. The new key has now been programmed.

AUTO LEARN PROCEDURE

Replacing Lost PASS-Key III+® Ignition keys

To replace a lost PASS-Key III+® Transponder key if all currently programmed keys are lost or if only one key is available, it is necessary to determine the mechanical cut. Mechanical codes are recorded on the vehicle invoice. If these codes are available, use them to create a new key. If they are not, follow the procedure below.

The mechanical cut must be determined first. The mechanical cut can be determined from the key code on the ignition lock cylinder or from the original key "knock outs." If the mechanical cut cannot be determined, the ignition lock cylinder must be replaced.

To "learn" the new PASS-Key III+® key, use the following procedure:

1. Insert a valid mechanical cut key and rotate it to "ON" (RUN).
2. The "SECURITY" telltale will remain on solid for the length of the auto-learn timer (10 minutes)
3. When the auto-timer expires, the telltale will turn off.
4. Once the telltale turns off, you have one minute to start the next step.
5. Repeat Steps 1-4 two more times (total of 30 minutes).
6. When the "SECURITY" telltale goes off for the third time, the new key is programmed into the car.
7. Remove the key from the ignition and then reinsert the newly learned key into ignition cylinder and turn to "ON" (RUN). The "SECURITY" telltale should remain off indicating the new key has been learned.

To add a second Master key:

8. Within 20 seconds of removing the first key, insert a second master key and rotate it to "ON" (RUN).
9. Once the vehicle has started, wait 2 seconds for the "Security" light to go out, turn the ignition switch to the off position and remove the key. The new key is now programmed.
10. To program additional keys, repeat the last step. Up to 12 keys total can be programmed. Valet keys can be programmed at any time after the second master key is programmed, but once it's programmed, the programming mode is stopped

We suggest that you consult the customer's vehicle owners manual before following ANY PROCEDURE you believe to be correct.

LEXUS - TOYOTA

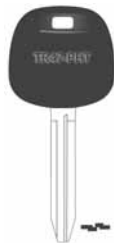
TO BYPASS THESE PROCEDURES - SEE BACK COVER

ADDITIONAL MASTER KEY PROGRAMMING FOR LEXUS - TOYOTA VEHICLES

**APPLICABLE FOR ALL LEXUS and TOYOTA models using the following
keys - EXCEPT for 1997 Lexus LS400 and 2001 - 2003 Toyota Prius**



TR40-PHT



TR47-PHT



TR48-PHT



TR49-PHT

FOR CARS WHERE YOU WANT TO CREATE A SPARE KEY (A total of ten (10) keys is allowed)

**Before starting, press and release the Brake & Accelerator
pedals
at the SAME TIME**

1. Place an already programmed Master key in the keyway. **(Do Not Turn On)**
2. Press the **Gas** pedal five **(5) times**.
3. Press the **Brake** pedal **six (6) times**.
4. Pull out the key.
5. Insert the new key and **DO NOT** turn it on.
6. Press the **Gas** pedal just **one (1) time** and wait about a minute until security light stops blinking.
7. Remove the key and **Press Brake pedal one (1) time**.
The cycle is now closed.

The programming mode will end after ten (10) more seconds.

LEXUS - TOYOTA

ADDITIONAL MASTER KEY PROGRAMMING FOR LEXUS - TOYOTA VEHICLES

APPLICABLE FOR

1997 LEXUS LS400 and 2001 - 2003 TOYOTA PRIUS

- A. Use **TR49-PHT** for **LEXUS**
- B. Use **TR47-PHT** for **TOYOTA**

**FOR CARS WHERE YOU WANT TO CREATE A SPARE KEY
(A total of ten (10) keys is allowed
EXCEPT for PRIUS which allows six (6) Keys)**

1. Get into the car and sit in the driver's seat. Make sure there is no key in the ignition lock.
2. Close all the doors but do not lock them.
3. Insert the already programmed Master Transponder key into the ignition.
4. Turn the ignition switch from "**LOCK**" to "**ON**" **five (5) times**, very quickly. (Leave in "ON" position.)
5. Open and close the driver's door **six (6) times**, very quickly.
6. After the **sixth (6th) time**, **IMMEDIATELY** remove the Master key from the ignition.
7. Insert the new key to be programmed within **ten (10) seconds** of removing the existing key and turn to "ON" immediately.
8. Leave the key in the "ON" position for **two (2) minutes**. The theft light should now turn off.
9. Remove the key. It should now be programmed into the ECU.
10. If you need to program another key, insert the next key within **ten (10) seconds** of removing the previous key.
11. When you finish programming new keys, open and close the driver's door once. This ends the programming mode.

**We suggest that you consult the customer's vehicle owners manual
before following ANY PROCEDURE you believe to be correct.**