



PROGRAMMING INSTRUCTIONS

VEHICLE ON-BOARD PROGRAMMING INSTRUCTIONS

All vehicles are assigned a unique Vehicle Identification Number (VIN) when they are manufactured. To determine the vehicle year from the VIN, see chart below.

Sample VIN: **1J1FP22PXC2100001**

10th digit in VIN corresponds to vehicle model year

VIN is located on the driver side interior dash viewable through the windshield



R=1994	S=1995	T=1996	V=1997	W=1998	X=1999
Y=2000	1=2001	2=2002	3=2003	4=2004	5=2005
6=2006	7=2007	8=2008	9=2009	A=2010	B=2011
C=2012	D=2013	E=2014	F=2015	G=2016	H=2017

A ON-BOARD PROGRAM

GM Pass-Key III (Easily identified by a "PK3" stamped on the blade)

ORIGINATE A NEW KEY:

1. Insert new transponder key and turn ignition to "ON" position. The dashboard security light will turn on and stay on for 10 minutes.
2. Once the security light goes out, you have one minute to begin Step 3. Turn ignition to "OFF" and then back to "ON" position.
3. Repeat Step 2.
4. Once the dashboard security light has turned off for the third time, the key has been successfully programmed. This is now the only key that is programmed to the system and all previous electronic key codes have been erased.

ADD A DUPLICATE KEY:

1. Insert the newly programmed key and turn ignition to "ON" position and then back to "OFF".
2. Remove existing key, insert new transponder key and turn to "ON" position. THIS MUST BE DONE WITHIN 15 SECONDS.
3. The dashboard security light will come on for two seconds indicating successful programming.

B ON-BOARD PROGRAM

1997 Ford, Lincoln, Mercury - 1998 Ford, Mercury

ORIGINATE A NEW KEY:

1. Insert new transponder key and turn ignition to "ON" position. The dashboard security light will turn on and flash for 15 minutes.
2. Once the security light stops flashing, you have five minutes to begin Step 3. Turn ignition to "OFF" and then back to "ON" position. The dashboard security light will turn on and flash for another 15 minutes.
3. Repeat Step 2.
4. Once the dashboard security light has stopped flashing for the third time, the key has been successfully programmed. This is now the only key that is programmed to the system and all previous electronic key codes have been erased.

ADD A DUPLICATE KEY:

1. Insert the newly programmed key and turn ignition to "ON" position and then back to "OFF".
2. Remove existing key, insert new transponder key and turn to "ON" position. THIS MUST BE DONE WITHIN 15 SECONDS.
3. The dashboard security light will come on for two seconds indicating successful programming.

1998+ Ford, Lincoln, Mercury - 1999+ Ford, Mercury

ORIGINATE A NEW MASTER KEY:

This requires the vehicle to be connected to special diagnostic equipment.

ADD A DUPLICATE KEY (Requires 2 working keys):

1. Insert the first existing key and turn ignition to "ON" position and then back to "OFF".
2. Remove first existing key and insert second existing key. Turn to "ON" position then to "OFF". THIS MUST BE DONE WITHIN 5 SECONDS.
3. Insert new key to be programmed and turn to "ON" position. THIS MUST BE DONE WITHIN 10 SECONDS. Keep in "ON" position for one second and turn back to "OFF".
4. The dashboard security light will come on for three seconds indicating successful programming.

1998-2003 Mazda 626 - 2000-2004 Mazda Miata, MPV

ORIGINATE A NEW KEY/ADD A DUPLICATE KEY:

1. Insert a new key into ignition and turn it to "ON". Turn back to the "LOCK" position. Repeat until this has been done five times. Do not leave the key in any position for more than one second during this step.
2. Turn the key back to the "ON" position. The dashboard security light should be flashing rapidly. Within 20 seconds turn the key to the "LOCK" position and leave it there for 5 minutes. After this 5 minute delay, the flashing security light will slow down.
3. Within twenty seconds, enter the password. (The password is obtained by supplying the vehicle's Immobilizer Unit serial number to Mazda. This is converted to an 8 digit number unique to each Immobilizer Unit).
4. While watching the dashboard security light, turn the ignition to "ON". Count the number of flashes and turn it back to "LOCK" when the number of flashes equals the first digit of the password.
5. Within thirty seconds, turn the ignition back to "ON". Count the number of flashes and turn it back to "LOCK" when the number of flashes equals the second digit of the password.
6. Repeat until all eight codeword digits have been entered. Carefully turn the lock from one position to the other only when the security light is off. If a mistake is made or you lose count of flashes, wait 45 seconds and start again at Step 1.
7. When the security light stops flashing and stays on, this indicates the password has been entered successfully.
8. Start the vehicle and the security light should go off within two seconds.
9. Removing the previous key, inserting the new key and starting the car within 20 seconds can add additional new keys.
10. Thirty seconds after the last key has been programmed, the vehicle's programming cycle will end and return to the normal operating mode.

1998-2001 Toyota, Lexus

TO DELETE ALL BUT ONE KEY FROM UNIT:

1. Depress and release the brake and accelerator pedals once at the same time.
2. Insert an existing master key into the ignition and leave in the "OFF" (LOCK) position.
3. Within 15 seconds of inserting the key, depress and release the accelerator pedal 6 times.
4. Within 20 seconds of finishing step 3, depress and release the brake pedal 7 times.
5. The dashboard security light will flash which indicates all keys, other than the one being used, have been deleted from the vehicle's immobilizer.
6. Remove the key from the ignition within 10 seconds. This is the only key still programmed to the car.

ADD A DUPLICATE KEY:

1. Depress and release the brake and accelerator pedals once at the same time.
2. Insert an original master key into the ignition.
3. Depress and release accelerator pedal 5 times within 15 seconds.
4. Depress and release the brake pedal 6 times and remove key within 20 seconds.
5. Insert new key into ignition within 10 seconds.
6. Depress and release the accelerator pedal 1 time within 10 seconds.
7. The new key is now registered and security light will go off after 80 seconds.
8. Remove key and depress and release the brake pedal 1 time.

1998+ Chrysler, Dodge - 1999+ Jeep

ORIGINATE A NEW MASTER KEY:

This requires the vehicle to be connected to special diagnostic equipment.

ADD A DUPLICATE KEY (Requires Two Programmed Keys):

1. Insert one of the two original keys into the ignition lock and turn to the "ON" position.
2. Turn the key to "OFF" after 5 seconds, but no more than 15 seconds.
3. Remove that key and insert the second valid key and turn it to the "ON" position within 15 seconds.
(The second key cannot be the same as the first key.)
4. A dashboard security light should come on after ten seconds and a single chime will indicate entry into the programming mode.
5. Within 60 seconds, turn the key to the "OFF" position and remove the valid key.
6. Insert a new key and turn it to the "ON" position.
7. After approximately 10 seconds, a single chime will sound and the dashboard security light will stop. Wait five seconds and turn to the "OFF" position.
8. Repeat the previous steps for additional keys.

2001+ GM Pass-Key III+ System (Export vehicles are easily identified by a "2" or "3" in first position of VIN number)

ORIGINATE A NEW MASTER KEY (Master Keys must be used):

1. Properly cut a new GM Master Key.
2. Insert the new key into the ignition and turn it to "ON" position. The "THEFT" light will go on for approximately 10 minutes.
3. Once the light goes out, repeat step 2, two more times.
4. When the "THEFT" light goes out, this indicates successful programming.

PROGRAM A SECOND KEY:

1. After completing the last step for the first key, insert a second Master Key and turn to the "ON" position within 20 seconds.
Once the light goes out the key is programmed.
2. Repeat the previous step for programming up to 12 additional keys.

ADD A DUPLICATE KEY (Requires one working key or two working keys for export vehicles):

1. Insert an original key into the ignition and turn ignition to "ON".
2. Once the "SECURITY" light goes out, remove the key.
3. Insert the second original key and turn the ignition to "ON".
4. When the "SECURITY" light goes out, remove the key.
5. Insert the new key and turn the ignition to "ON".
6. Once the "SECURITY" light goes out the new key has been successfully programmed.

2001+ Ford Focus, Ford Escape - 2001+ Mazda Tribute only

ORIGINATE A NEW MASTER KEY:

This requires the vehicle to be connected to special diagnostic equipment.

ADD A DUPLICATE KEY (Requires Two Programmed Keys):

1. Insert an original key into the ignition.
2. Turn the ignition to "ON" and back "OFF".
3. Remove the original key and insert a second original key and turn it to "ON" then back "OFF". THIS MUST BE DONE WITHIN 5 SECONDS.
4. Insert a new key, within 10 seconds, and turn it to "ON". Leave it "ON" for one second and turn it back "OFF".
5. The dashboard security light will turn on for 3 seconds indicating that the new key has been successfully programmed.
6. Once the key has been successfully programmed, do not remove the key from the ignition. The key must be left in the ignition for approximately 10 minutes before the programming procedure is complete. DO NOT attempt to start the vehicle or remove the key from the ignition prior to the 10 minutes elapsing as the keys will not start the vehicle and the programming procedure will have to be completed again.

2002+ Toyota, Lexus

The Toyota Electronic Control Module does not have programming modes without a pre-programmed key. If there is no key available that is already programmed into the module, the module must be replaced.

TO DELETE ALL BUT ONE KEY FROM THE UNIT:

1. Depress and release the brake and accelerator pedals once at the same time.
2. Insert an original master key into the ignition. Make sure to leave the key in the "OFF" position.
3. Within 15 seconds of inserting the key, depress and release the accelerator pedal six times.
4. Within 20 seconds of completing the previous step, depress and release the brake pedal seven times.
5. The dashboard security light will flash to indicate all keys, other than the one being used, have been deleted.
6. Remove the key from the ignition within 10 seconds. This will be the only key programmed to start the vehicle.

ADD A DUPLICATE KEY (Requires one working Toyota/Lexus Dealer Key):

1. Make sure all the vehicles doors and windows are closed.
2. Insert the Toyota/Lexus Dealer Key into the ignition.
3. Turn the ignition from "ON" to "OFF" five times.
4. Open and close the driver side door 6 times.
5. Remove the Toyota/Lexus Dealer Key and insert the new duplicate key.
6. Turn the ignition "ON".
7. The new key will be registered after 60 seconds. The "THEFT" light on the dashboard will go out, indicating successful programming.

Ford/Lincoln/Mercury IKT

ADD A DUPLICATE KEY (Requires two working keys):

1. Insert first working key into the ignition and turn ignition to "RUN". Keep the key in the ignition for 5 seconds (no more than 10). Turn to "LOCK" position and remove key.
2. Within 10 seconds, insert second working key into the ignition and turn ignition to "RUN". Keep the key in the ignition for 5 seconds (no more than 10). Turn to "LOCK" position and remove key.
3. Within 20 seconds, insert new un-programmed key into the ignition and turn ignition to "RUN". Keep the key in the ignition for at least 6 seconds then remove key.
4. Theft light will illuminate for 3 seconds then go out indicating successful programming. New key will start the vehicle engine and if an IKT key is used to program with, remote functions will be programmed as well.
5. To program additional new keys, wait at least 20 seconds then Repeat Steps 1-3.
6. If Theft light flashes on and off and/or the vehicle engine does not start, the key was not successfully programmed. Wait 20 seconds and repeat Steps 1-3.
Keys may have to be programmed by an authorized dealer if subsequent failures occur.

Chrysler/Dodge/Jeep Integrated Key

ADD A DUPLICATE KEY (Requires two working integrated keys):

1. Insert first working key into the ignition and turn ignition to "ON". Keep the key in the ignition for 5 seconds (no more than 15). Turn to "LOCK" position and remove key.
2. Insert second working key into the ignition and turn ignition to "ON" within 15 seconds. A chime will sound after 10 seconds and Vehicle Security Alarm Indicator light will flash. Turn key to "LOCK" position and remove key.
3. Insert a new un-programmed integrated key into the ignition and turn ignition to "ON" within 60 seconds. A chime will sound after 10 seconds and Vehicle Security Alarm Indicator light will stop flashing. Turn to "LOCK" position then turn back to "ON" for 3 seconds, then turn off.
4. Key is now programmed. New key will start the vehicle engine and remote functions will be programmed as well.
5. To program additional new keys [up to 8], wait at least 20 seconds then Repeat Steps 1-3.

GM High Security Flip Key (US only)

ADD A DUPLICATE KEY (Requires a working Master Key):

1. Insert the working Master Key into ignition and turn to "ON" position [engine is OFF]. Turn to OFF and remove key.
2. Insert new un-programmed key. THIS MUST BE DONE WITHIN 10 SECONDS of removing working Master Key. Turn to "ON" position.
3. Key has now been programmed.
4. Repeat Steps 1-3 to add up to 10 keys.

2010+ Ford Transit Connect

ADD A DUPLICATE KEY (Requires two working PATS keys):

1. Insert first working PATS key into the ignition at the "OFF" position. Turn key to the "RUN" position for 3 seconds, then switch back to "OFF".
2. Remove key and insert second working PATS key into the ignition at the "OFF" position. THIS MUST BE DONE WITHIN 10 SECONDS.
3. Turn second working key to the "RUN" position for 3 seconds, then switch back to "OFF".
4. Remove key from ignition and insert new un-programmed PATS key into the ignition at the "OFF" position. THIS MUST BE DONE WITHIN 10 SECONDS.
5. Turn new un-programmed key to the "RUN" position for 3 seconds, then switch back to "OFF".
6. Key is now programmed.
7. Repeat Steps 1-5 to program additional new keys[up to 8].
8. To program the Remote Keyless Entry (RKE) portion of the key, see below.

Remote Keyless Entry (RKE) Programming [up to 4 RKE transmitters can be programmed to a vehicle and all programming must be done at the same time]:

1. Unlock and close all doors to vehicle. Ignition must be in "OFF" position.
2. Turn ignition from "OFF" to "RUN" position 4 times in immediate succession. This procedure must be done within 6 seconds. After the fourth time switch ignition to "OFF". If done correctly, the Generic Electronic Module will enter program mode and a chime will sound.
3. Within 10 seconds, press any button on the new RKE transmitter. A chime will sound indicating the RKE is programmed. Repeat Step 3 for any additional RKE transmitters that need programmed at this time.
4. Once you have programmed all the RKE transmitters that need programmed, check the operation of the RKE transmitter. If the door locks do not work, press the button again. If there is subsequent failures, refer to your owners manual or your authorized dealer.

NOTE: The following can cause programming errors; if more than 10 seconds have passed before activating an RKE transmitter the ignition is switched back to "RUN" after initial chime sounds or the maximum amount of RKE transmitters has been exceeded in the vehicle.

2011+ Ford Fiesta

ADD A DUPLICATE KEY (Requires two working PATS keys):

1. Insert first working PATS key into the ignition at the "OFF" position. Turn key to the "RUN" position for 3 seconds, then switch back to "OFF".
2. Remove key and insert second working PATS key into the ignition at the "OFF" position. THIS MUST BE DONE WITHIN 10 SECONDS.
3. Turn second working key to the "RUN" position for 3 seconds, then switch back to "OFF".
4. Remove key from ignition and insert new un-programmed PATS key into the ignition at the "OFF" position. THIS MUST BE DONE WITHIN 10 SECONDS.
5. Turn new un-programmed key to the "RUN" position for 3 seconds, then switch back to "OFF".
6. Key is now programmed.
7. Repeat Steps 1-5 to program additional new keys[up to 8].
8. To program the Remote Keyless Entry (RKE) portion of the key, see below.

Remote Keyless Entry (RKE) Programming [up to 8 RKE transmitters can be programmed to a vehicle and all programming must be done at the same time]:

1. Unlock and close all doors to vehicle. Ignition must be in "OFF" position. Turn ignition from "OFF" to "RUN" position 4 times in immediate succession. This procedure must be done within 6 seconds. After the fourth time switch ignition to "OFF".
3. Within 10 seconds, press any button on the new RKE transmitter. The RKE transmitter is now programmed. Repeat Step 3 for any additional RKE transmitters that need programmed at this time.
4. Once you have programmed all the RKE transmitters that need programmed, check the operation of the RKE transmitter. If the door locks do not work, press the button again. If there is subsequent failures, refer to your owners manual or your authorized dealer.

NOTE: The following can cause programming errors; if more than 10 seconds have passed before activating an RKE transmitter, the ignition is switched back to "RUN" after initial chime sounds or the maximum amount of RKE transmitters has been exceeded in the vehicle.