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INSTRUCTIONS FOR PROGRAMMING KEYS INTO
RE-FLASHED TOYOTA / LEXUS ECM

After we re-flash the ECM it will be in "Automatic Registration Mode" when you install it. The ECM is expecting that when first powered up (by turning on a key) that it will encounter 3 new keys. The first two keys are internally (inside the ECM) designated as **MASTER** keys and the 3rd key inserted will be internally designated as the **VALET** key. The ECM can be programmed with as few as 1 key. If less than 3 keys are programmed into the ECM the security light may flash for some time (hours to weeks) until the ECM "learns" that it is apparently not going to get any more keys.

The programming process is fairly simple. ***MAKE SURE YOU DO NOT HAVE MORE THAN ONE TRANSPONDER KEY NEAR THE IGNITION CYLINDER AT ANY TIME! *** (i.e. do NOT have more than one transponder key on your key ring) ***

If you are programming 3 keys:
1. Close all doors and windows.
2. Lock the driver side door with the key.
3. Unlock the driver side door with the key.
4. Insert first transponder key into ignition lock cylinder for registration DO NOT TURN ON. The security light should remain on. Wait about 5 seconds and remove first key from ignition.
5. Insert second transponder key into ignition lock cylinder for registration DO NOT TURN ON. The security light should remain on. Wait about 5 seconds and remove second key from ignition.
6. Insert third transponder key into ignition lock cylinder for registration DO NOT TURN ON. The security light should go out after a few seconds.   Remove third key from ignition.
7. Wait 30 seconds for the programming cycle and programming mode to close.

If you are programming less than 3 keys:

1. Close all doors and windows.
2. Lock the driver side door with the key.
3. Unlock the driver side door with the key.
4. Insert key into ignition lock cylinder for registration DO NOT TURN ON. The security light should remain on. Wait about 15 seconds and remove first key from ignition.
5. If you are done proceed to step 6 below. If you want to add another key proceed to step 4.
6. Press brake pedal 5 times to exit programming mode.

NOTE: If less than 3 keys are programmed into the ECM the security light may flash for some time (hours to weeks) until the ECM "learns" that it is apparently not going to get any more keys.

After performing one of the above sequences any of the keys that you programmed into the system should successfully start and run the car.

To determine if the key(s) have been properly programmed into the ECM you may utilize the following procedure:

1. Positively locate the "security" or "anti-theft" light. This light should blink when there is no key in the ignition or if an unrecognized key is placed into the ignition.

2. Insert the key you have into the ignition – DO NOT TURN ON. There are 3 possible things that may occur:
   (a) Security light continues to blink = unrecognized key.
   (b) Security light goes off IMMEDIATELY = **MASTER** key
   (c) Security light remains illuminated for 1-3 seconds before going out = **VALET** key
3. Repeat step 2 for each key that you have programmed into the car.

If you have a condition where the security light continues to blink for any of the keys, that key has not been properly programmed or recognized by the car's computer.

If the security light goes out immediately (master key) or after 1-3 seconds (valet key) then the keys have been properly programmed into the ECM and you should be able to successfully start and run the car.

If the car does not crank when the key is rotated to the "start" position then there is something else wrong in the car. It could be that the battery terminals are not sufficiently tight to make a good connection or a problem with the starter solenoid or the starter, or in some instances a blown fuse.

The information presented here is the information presented to Locksmith Charley by other sources, therefore, I am unable to guarantee the accuracy of this information.

I have used this procedure before and it has worked for me personally so I believe it to be true and correct.

Thanks for your business!

Charles "Locksmith Charley" Eastwood

This information is presented to you as a public service of:

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