



Preliminary Information

PIC3977K Fleet Key Option - Adding Keys

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Impala	2006 - 2016	All	All	All	All

Supersession Statement

This PI was superseded to update model years. Please discard PIC3977J.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition / Concern

Fleet Vehicles 6E2 or 6E8 Key and Theft Information.

Recommendations / Instructions

Vehicle Fleet Mode

If you have a fleet vehicle with the RPOs 6E2 or 6E8 you should verify that the TDM is in fleet mode.

The parameter that states Fleet Vehicle must say "yes" otherwise the vehicle will act as any other normal Chevrolet Impala. If the Fleet Vehicle is "Yes" follow steps 1 & 2 below for additional information to add keys. If the Fleet Vehicle is "No" refer to the directions below for converting the vehicle to a fleet vehicle.

1. Adding Keys: Many customers will want to add additional keys to the fleet vehicles. After confirming the vehicle is a fleet vehicle, as many keys may be added to the vehicles as the customer desires. These new keys only need to be learned to 1 vehicle in their fleet then they will start all vehicles within the fleet that have the same RPO 6E2 or 6E8. The new keys that are added to the vehicles must be NEW BLANK KEYS with a circle plus on the shank of the key.

Learning new keys:

- a. Using a key that starts the vehicle.
 - b. Turn ignition to run then to off within 10 seconds insert the new Blank Key and turn ignition to run leave in run for 5 seconds then back to off wait 5 seconds then remove the key.
 - c. The new key will start all vehicles in the Fleet.
2. If you have trouble learning new keys then check the following. Using your Tech 2 follow the screen to the TDM Learn Key Data and check two additional parameters Transponder Key and Valid Key.
- a. Transponder Key: Insert the new blank key into the ignition and turn to run. If the key is communicating with the vehicle the parameter "Transponder Key" will transition to "Present". If this parameter is showing "Not Present" you either have the wrong type of key or a bad key, get a new blank circle plus key.
 - b. If Transponder Key parameter is "Present" but the new key is not starting the vehicle check the parameter "Valid Key" this will say "NO" attempt to learn the key using the adding keys method, same as above. After performing the learn procedure check the Valid Key parameter again. If the Valid Key transitions to "Yes" the key will now start the vehicle. If it stays "No" after performing the learn dispose of the key as it may have been learned to a different vehicle. Start with a new blank circle plus key and relearn.
 - c. After learning new keys using scan tool clean all DTCs.

Converting a vehicle to a Fleet Vehicle

If you are referencing this document you have determined that the vehicle you are working on was configured incorrectly (without Fleet Status active in the Theft Deterrent Module). To confirm the vehicle is not a fleet vehicle check the parameter under Theft Deterrent module Learn Key Data for Fleet Vehicle status. Follow the process below ONLY if the fleet status states "No" and you want to convert them to a fleet vehicle.

How to convert a vehicle with RPOs 6E2 or 6E8 to a fleet vehicle so all keys will start all vehicles in the fleet:

Note: 2007 Model Year Impala with 6E2 or 6E8 are in fleet mode from the factory. Customer Satisfaction Campaign [06032](#) covers 2006 MY Impalas that were not in fleet mode from the factory.

1. You will need the correct Blank Fleet Key that is pre-cut to match the vehicle based on RPO. Please see the GM part numbers below:
15926907 for 6E2
5926908 for 6E8
2. Using the original key that starts the vehicle and one of the new blank fleet keys listed above, perform the adding keys procedure:
 - a. Using a key that starts the vehicle.
 - b. Turn ignition to run then to off and within 10 seconds insert the New Blank Fleet Key (See correct number above) and turn key to the run position. Leave in run for 5 seconds then back to off. Wait 5 seconds then remove the key.

Note: You may see the security telltale come on during the configuration. This is normal.

- c. The vehicle is now configured for fleet and all keys from the fleet will start this vehicle.
- d. The original keys will no longer start the vehicle after it is configured to fleet mode.

Note: You may experience a onetime start with the original key, this is due to the TDM staying in Post Release state for 8 seconds after the ignition is turned off. During this post release time another key authentication does not take place.

- e. Dispose of the original keys to keep them from being mixed in with other valid fleet keys. The original keys will never start another vehicle again.

To confirm you have successfully configured the vehicle to fleet mode using the Tech 2 follow to theft deterrent module, then to learn key data, then to Fleet Vehicle parameter which will be "Yes" if the learn was successful. If this still states "No" perform the adding

keys procedure again using the same new Blank Fleet Key. If this is unsuccessful, confirm the Transponder Key parameter is active "present" if not replace key with a new Blank Fleet Key from the list above.
Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

Additional SI Keywords

9C1 9C3 code enforcement law police



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