



Preliminary Information

PIT4376J Fleet Key Option - Adding Keys / Converting

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade	2007 - 2014	All	All	All	All
Chevrolet	Avalanche	2007 - 2013	All	All	All	All
Chevrolet	Silverado	2007 - 2013	All	All	All	All
Chevrolet	Suburban	2007 - 2014	All	All	All	All
Chevrolet	Tahoe	2007 - 2014	All	All	All	All
Chevrolet	Silverado 2500/3500	2014	All	All	All	All
Chevrolet	Express	2008 - 2018	All	All	All	All
GMC	Savana	2008 - 2018	All	All	All	All
GMC	Sierra	2007 - 2013	All	All	All	All
GMC	Yukon	2007 - 2014	All	All	All	All
GMC	Sierra 2500/3500	2014	All	All	All	All

Supersession Statement

This PI was superseded to update model years, recommendation and parts sections. Please discard PIT4376H.

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

Condition / Concern

The following is key and theft information for Fleet Vehicles equipped with RPO 6E2 or 6E8 and converting to fleet mode.

Recommendations / Instructions

Vehicle Fleet Mode

Fleet vehicles with RPO 6E2 or 6E8 should be checked to verify that the Theft Deterrent Module (TDM) is in fleet mode prior to attempting to add keys. The TDM data list parameter "Fleet Vehicle" must say "YES" otherwise the vehicle will act as any other non-fleet vehicle. If the "Fleet Vehicle" parameter is "Yes" follow the information below for "Adding Keys", if the "Fleet Vehicle" parameter is "No" refer to the directions below for "Converting a vehicle to a fleet vehicle".

Adding Keys

Note: After confirming the vehicle is a fleet vehicle, any number of keys may be added to suit the customer's needs. The key being added must be a NEW KEY with a "circle plus" on the shank of the key. These new keys only need to be learned to 1 vehicle in the fleet in order to start all vehicles within the fleet that have the same RPO 6E2 or 6E8.

Learning new keys - follow steps 1-3 below:

1. Use the original key that starts the vehicle to turn the ignition to run and then to off.
2. Within 10 seconds of turning to off, insert the new circle plus key and turn the ignition to run.

Leave the ignition in run for 5 seconds and then turn off and remove the key.

3. The new key should be capable of starting all vehicles in the Fleet.

Troubleshooting learning new keys

For problems with learning new circle plus keys, use the Tech 2 and check the following TDM parameters located in the "Learn Key Data List": "Transponder Key" and "Valid Key".

A) Transponder Key Parameter:

Insert the new circle plus key into the ignition and turn to run. If the key is communicating with the vehicle the data list parameter "Transponder Key" will transition to "Present". If this parameter is showing "Not Present" the wrong type of key or a bad key may be the cause and try another new circle plus key. If the "Transponder Key" parameter shows "Present" but the new key is not starting the vehicle, follow the instructions below (B) to check the data list parameter for "Valid Key".

B) Valid Key Parameter:

If the "Valid Key" parameter says "NO" then attempt to learn the key using the adding keys method discussed above. After performing the learn procedure, check the Valid Key parameter again. If the parameter transitions to "Yes" the key should now start the vehicle. If the parameter stays "No" after performing the learn procedure, dispose of the key and try another new circle plus key as it may have been learned to a different vehicle. After learning the new keys, use the scan tool to clear all DTCs.

Converting a vehicle to Fleet Mode

If you are referencing this section you should have determined that the vehicle you are working on was configured incorrectly and the "Fleet Vehicle" parameter is "NO" in the TDM. To confirm the vehicle is not in fleet mode, check the TDM parameter "Fleet Vehicle", which will read "NO". Follow this process only if the "Fleet Vehicle" parameter states "No" and/or the customer wants the vehicle converted to Fleet Mode.

Note: Before performing this procedure you will need to ensure that you have the correct NEW circle plus Fleet Key that are precut to match the vehicle based on the RPO. If converting a vehicle to Fleet Mode, that was not built with either 6E2 or 6E8, select one of the below key options and then re-code the ignition, door lock, glove box, seat stowage, etc cylinders to match the RPO selected. See the "Parts" section below for the circle plus fleet key part numbers.

Perform the following steps for fleet conversion:

1. After the lock cylinders are re-coded to match the selected key RPO, perform a 10 min VTD relearn using TIS2WEB and the Tech 2 using a NEW circle plus fleet key.
2. After the 10 min VTD relearn is complete with a NEW circle plus fleet key the TDM "Fleet Status" will change to "YES".
3. To confirm you have successfully configured the vehicle to fleet mode use the Tech 2, follow the menus to the theft deterrent module and then access the "learn key data" to verify that the "Fleet Vehicle parameter" shows "Yes". If the parameter 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.

4. The vehicle is now configured for fleet and all keys from the fleet will start this vehicle

Important: If additional vehicles need to be converted to Fleet Mode, additional NEW circle plus fleet keys will be needed. Once a New circle plus Fleet Key is used for the 10 min VTD relearn to change the TDM "Fleet Status" to "YES" that key will NO LONGER work to convert any other vehicles to "Fleet Status" - "YES". Example: If 5 vehicles need to be converted to Fleet Mode then 5 NEW circle plus fleet keys will be needed. Each vehicle needs its own NEW circle plus fleet key to change the TDM "Fleet Status" to "YES". After each vehicle has learned its own NEW circle plus fleet key and the "Fleet Status" in the TDM is "YES" then all the keys between the vehicles will start each other.

5. The vehicle is now configured for fleet and all keys from the fleet will start this vehicle.

Note: The security telltale may come on during the configuration. This is normal during this procedure.

Parts Information

2007 - 2014 All Full Size Trucks and G-Vans		
Part Number	Description	Qty
23277038	Chevy Key 1-Ring RPO 6E2	As Needed
23277039	Chevy Key 1-Ring RPO 6E8	As Needed
Note: Fleet keys are only available with the Chevy Logo, but they will work on the other brands.		
2015 - 2018 G-Vans with Side Cut Key		
84173399	GM Key 1-Ring RPO 6E2	As Needed
Note: RPO 6E2 is the only Fleet Key Option Available For Side Cut Key		

The key part numbers listed above are ordered from GM CCA parts.

Warranty Information

This is **NOT** a Warrantable Expense as the customer is requesting additional keys to be added to the vehicle or to be converted to fleet mode.

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

circle code crank deterrent enforcement law lock module plus police start theft



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