Ignition Lock Cylinder Replacement

1. Disconnect the vehicle battery ground cable.
2. Insert original key into the lock cylinder and turn ignition switch from OFF to RUN.
3. Depress the ignition lock cylinder retainer pin through the access hole in the steering column shroud while pulling out the lock cylinder.
4. Insert ignition key into replacement lock cylinder and turn to the RUN position. This will allow the retainer pin to be depressed.
5. Insert the new lock cylinder into steering column aligning lock cylinder release pin and access hole in steering column.
6. Check operation of lock cylinder by rotating ignition switch through operating positions.
7. Turn ignition key to OFF position and reconnect battery ground cable.

Programming of Ignition Lock Keys:

Special Tool Advisory! Either a New Generation Star Tester (NGS) or equivalent scan tool with key reprogramming software are necessary for the reprogramming procedure. User must be familiar with scan tool operation before attempting programming.

This replacement ignition lock cylinder is supplied with 2 keys for use on vehicles equipped with Passive Anti-Theft System. This procedure is necessary to program the two ignition keys to the Passive Anti-Theft\ system (PATS) memory, and will erase all existing programmed ignition keys from the vehicle memory.
The vehicle will not start until the two keys supplied have been reprogrammed to the vehicle.
Check to ensure vehicle does not have an aftermarket remote starter. Disable any remote starter equipment especially anything nearby the PATS transceiver.
Note: The Anti-Theft Access Procedure is utilized to obtain Passive Anti-Theft System security access. The anti-theft security access procedure invokes a time delay prior to granting security access for key programming. This procedure will take approximately 10 minutes, during which time; the scanner tool is connected to the vehicle with the ignition switch in the RUN position. Once security access has been granted, a security access command options menu is displayed.

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See back for further instructions →

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Programming of Ignition Lock Keys: (cont.)

1. Follow manufacturers instructions to connect Scan tool to vehicle.
2. Turn Ignition switch from OFF to RUN position using unprogrammed ignition key
3. Follow the SECURITY ACCESS PROCEDURE for the PATS Control Function* type in vehicle from the scan tool instructions.
4. Select ENTER SECURITY ACCESS from menu.
5.“access delay: ten minutes” will be displayed during the security access period.
6. From the menu select: IGNITION KEY CODE ERASE.
7. Turn the ignition switch to the OFF position and disconnect scan tool from vehicle diagnostic link.
8. Having the first encoded key in the ignition lock cylinder turn the switch to RUN for **3 seconds.**
9. Remove the first encoded key from the ignition lock cylinder.
10. Insert the second encoded key into the ignition lock cylinder and turn the switch to RUN for **3 seconds.**
11. Remove the second encoded key from the ignition lock cylinder.
12. Insert the first encoded key and attempt to start the engine. The vehicle should start with both ignition keys.

***PATS Control Function can be located in:**

• Stand Alone Module (PATS anti-theft module)
• Powertrain Control Module (PCM)
• Instrument Cluster
- Instrument Cluster Module (ICM)
- Hybrid Electronic Cluster (HEC)
- Virtual Image Cluster (VIC)
• Steering Column Ignition Lock Module (SCIL) - Lincoln Mark VIII

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