

INSTALL/REMOVAL INSTRUCTIONS: IGNITION LOCK CYLINDER

ATTENTION: Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

REMOVAL/INSTALL OF IGNITION LOCK CYLINDER (924-710) Ford 2012–00, Lincoln 2013–06, Lincoln 2004–03, Mazda 2010–08, Mazda 2002–01, Mercury 2011–02

General Tech Tips:

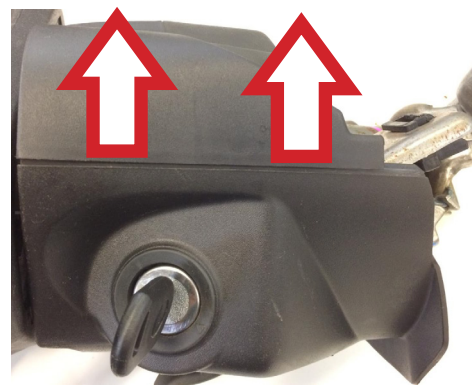
- This lock cylinder kit eliminates the need for programming of a new transponder key by enabling you to recode your existing key.

**PLEASE WEAR
SAFETY GLASSES!**

Ignition Lock Removal

STEP 1: Disconnect negative battery cable.

STEP 2: Remove upper column shroud by gently prying apart from lower shroud using a plastic trim tool. **NOTE:** Column shroud removal process may vary among models.



STEP 3: Remove ignition lock by turning key to the accessory position.

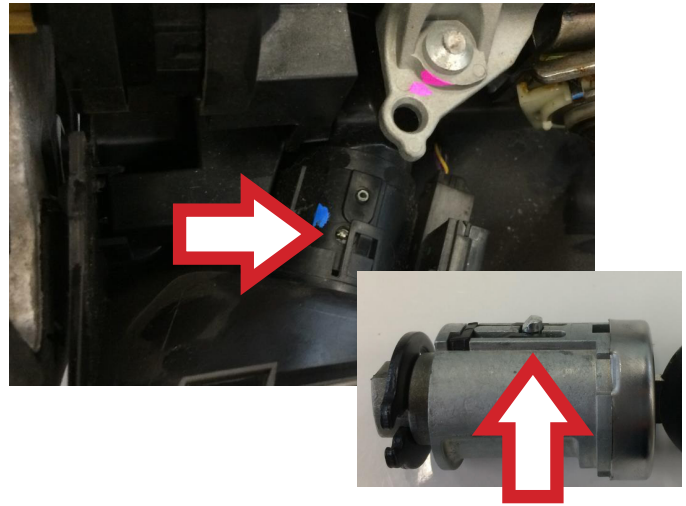
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STEP 4: Using a small screwdriver or suitable tool, press in lock cylinder release tab and pull lock from column.



Lock Coding Procedure

There are two lock cylinder designs used in your vehicle. They can be identified by looking at the opposite end of the keyhole. The first design does not have any tumbler grooves like the second design. These locks both function the same, the disassembly procedures will slightly differ depending upon which design is in your vehicle. The assembly procedure is the same as the new lock cylinder has the second design configuration.



First Design



Second Design

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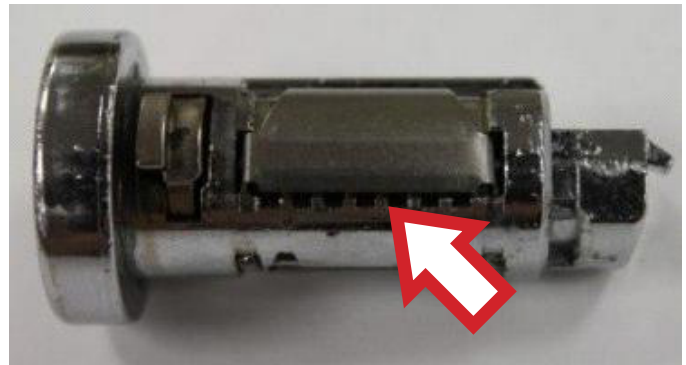
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First Design Lock Disassembly

STEP 1: Remove clip from end of cylinder. The cylinder will now come out from the opposite end.



STEP 2: Pry off tumbler cover with a small screw driver.



STEP 3: Remove the tumblers individually using needle nose pliers. Begin from the end where the keyhole is located; arrange them in the same order in which they were removed on a level and stable surface. It is important to keep the order of the tumblers as they were in the cylinder, if the order is mixed up the lock will not work. Each tumbler is stamped with a number, for extra precautionary measure record the numbers in the same order onto a piece of paper or the template provided.

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Second Design Lock Disassembly

STEP 1: Remove clip from end of cylinder.



STEP 1a: Insert special tool provided into end of lock to remove cylinder.



STEP 2: Once the tool is fully seated, insert the key approximately 1/3 to 1/2 way into cylinder and rotate clockwise, the cylinder now can be pulled out of the case. The cylinder will come out of the opposite end from the keyhole.

STEP 3: Remove the tumblers individually using needle nose pliers. Begin from the end where the keyhole is located, arrange them in the same order in which they were removed on a level and stable surface. It is important to keep the order of the tumblers as they were in the cylinder, if the order is mixed up the lock will not work. Each tumbler is stamped with a number, for extra precautionary measure record the numbers in the same order onto a piece of paper or the template provided.



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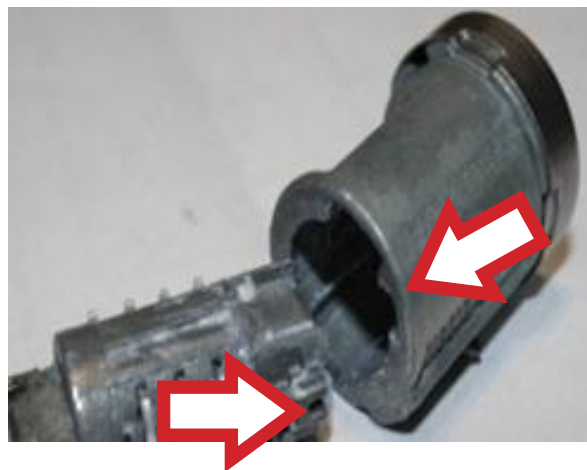
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Lock Assembly

STEP 1: The replacement lock cylinder will have the same configuration of internal parts as the second design lock cylinder. The tumblers will appear different from the first to second design, this will have no effect on the operation of the lock cylinder as the new lock will be coded to your original key.

STEP 2: The new tumblers will have numbers stamped on them as the originals. Insert the new tumblers individually following the same sequence of numbers as the ones in the old lock cylinder. Begin by inserting a tumbler spring in the slot followed by the tumbler, repeat this process until all the tumblers are installed their respective slots.

STEP 3: Using the packet provided, coat the cylinder with a thin layer of grease before installing into case. Align cylinder with case as shown for installation.



STEP 3a: Ensure that the protrusion on the cylinder aligns with the groove in the case. Insert cylinder into the case, tuck the tumblers in as you push the cylinder into the case. If you are unable to fully seat the cylinder, rotate the keyhole cap clockwise until you are able to fully seat the cylinder in the case.



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STEP 4: Install clip onto cylinder as shown.

Ignition Lock Installation

STEP 1: Rotate new ignition lock to accessory position.

STEP 2: Install new lock into column with new lock remaining in accessory position.

STEP 3: Verify free rotation of new lock through all positions.

STEP 4: Reinstall upper shroud by snapping back onto lower shroud.

STEP 5: Reconnect negative battery cable.

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