

#06-07-30-004C: Various Concerns with Shifter and/or Ignition Key (Replace Shifter Assembly/Shifter Components or Ignition Lock Cylinder) - (Jun 27, 2006)

Subject: Various Concerns With Shifter and/or Ignition Key
(Replace Shifter Assembly/Shifter Components or Ignition Lock Cylinder)



Models: 2005-2007 Chevrolet Cobalt
2005-2006 Pontiac Pursuit (Canada Only)
2007 Pontiac G5
with Automatic Transmission 4T45-E (RPO MN5)

This bulletin is being revised to add models and model years. Please discard Corporate Bulletin Number 06-07-30-004B (Section 07 - Transmission/Transaxle).

Condition

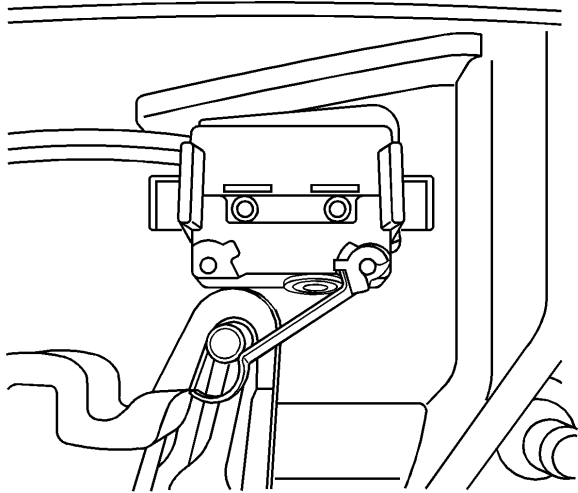
Some customers may comment on any of the following concerns:

- The shifter is hard to move or binds.
- They cannot remove the ignition key.
- It takes high effort to rotate the key.

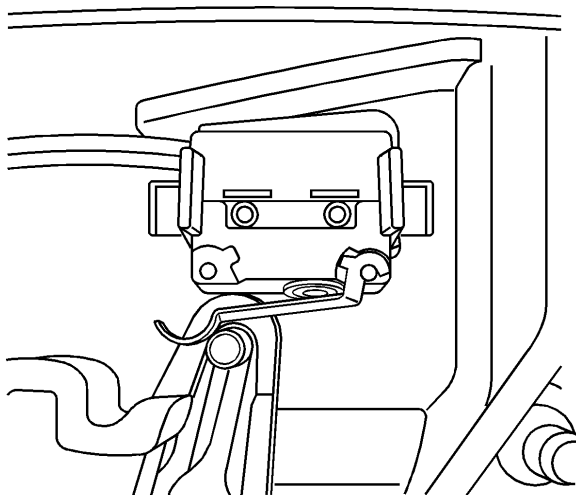
Cause 1

The shifter button may be sticking in the handle.

Cause 2



The pin that activates the micro-switch may have moved out of position (refer to illustration above). This causes the micro-switch to fail to engage when the vehicle is placed in Park. If this condition is present, the customer will not be able to remove the key from the ignition.



The illustration above shows the switch in a correct position.

Cause 3

Metal flashing left in the cylinder may cause a high effort to rotate the key.

Cause 4

The slider may be binding in the guides. This may cause the shifter to become difficult to operate.

Correction 1

Verify that the shifter button is inoperative by evaluating if the park pawl pin on the shifter

assembly moves when activating the button. If the parking pawl does not move when the button is activated, the shifter handle will have to be replaced. Refer to Floor Shifter Control Knob Replacement in SI.

Correction 2

Important: A change has been made to the shifter assembly for service. The replacement shifter assembly will read PRNDIL (Park, Reverse, Neutral, Drive, Intermediate and Low).

Verify that the micro switch is out of position. Replace the shifter assembly. Refer to Transmission Control Replacement in SI.

Correction 3

Important: Refer to instruction sheet that is supplied with the lock cylinder kit. BO 47869 is an essential staking tool and must be used for the repair.

Replace the ignition lock cylinder. Refer to Ignition Lock Cylinder Replacement in SI.

Correction 4

Replace the slide indicator and guides in the shifter following the procedure below:

1. Apply the parking brake.
2. Remove the upper console trim. Refer to Trim Plate Replacement-Console Front in SI.
3. Remove shifter knob. Refer to Floor Shifter Control Knob Replacement in SI.
4. Remove the indicator plate. Use a flat-bladed screwdriver to release the locking tabs.
5. Remove the shifter indicator lens.
6. Pull up on the indicator and remove it from the assembly.
7. Remove the two front rails by unsnapping the front and lifting up, and then back, to remove the rails from the shifter assembly.
8. Install the new guides. Place the hook end into the assembly and push down. It will snap into place.
9. Install the new slide indicator. With the transmission in neutral, place the slide over the shifter and into the guides. Move the slide indicator down the guides in the front and rear.

Important: Replace the shifter indicator lens if damage is present due to the slider binding or if it becomes damaged during disassembly.

10. Install the shift indicator lens.
11. Install the shift indicator plate.
12. Install the shifter knob. Refer to Floor Shifter Control Knob Replacement in SI.
13. Install the upper console trim. Refer to Trim Plate Replacement-Console Front in SI.

Parts Information

Part Number	Description	Qty
15244165	Control Asm, A/Trans	1
15825311	Cylinder Kit	1
22706231	Handle, A/Trans Cont Lvr (Model AL with MN5, TY8, VY7)	1
22706232	Handle, A/Trans Cont Lvr (Model AJ, AK and MN5; Model AL with MN5 [exc VY7])	1

22719080	Handle, A/Trans Cont Lvr (Model AL with MN5, VY7 [exc TY8]; Model AM with MN5; Model AL with MN5, R1V)	1
15872229	Slide Indicator	1
15872228	Guide - Rails	2
15872230	Lens	1

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
K5225	Control Assembly, Floor Shift - Replace	Use Published Labor Operation Time
E7200	Cylinder, Ignition Lock - R&R or Replace	
K5111	Handle, Automatic Transmission Control Lever - Replace	
C9744*	Shifter Bind - Replace Slide, Guide and Lens	0.3 hr
* This labor operation is for bulletin use only. It will not be published in the Labor Time Guide		

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