



Service Bulletin

File In Section: 02 - Steering

Bulletin No.: 05-02-35-007

Date: December, 2005



INFORMATION

Subject: Information on Inadvertent Turning of Key Cylinder, Loss of Electrical System and No DTCs

Models: 2005-2006 Chevrolet Cobalt
2006 Chevrolet HHR
2005-2006 Pontiac Pursuit (Canada Only)
2006 Pontiac Solstice
2003-2006 Saturn ION

There is potential for the driver to inadvertently turn off the ignition due to low ignition key cylinder torque/effort.

The concern is more likely to occur if the driver is short and has a large and/or heavy key chain. In these cases, this condition was documented and the driver's knee would contact the key chain while the vehicle was turning and the steering column was adjusted all the way down. This is more likely to happen to a person who is short, as they will have the seat positioned closer to the steering column.

In cases that fit this profile, question the customer thoroughly to determine if this may be the cause. The customer should be advised of this potential and should take steps to prevent it – such as removing unessential items from their key chain.

Engineering has come up with an insert for the key ring so that it goes from a "slot" design to a hole design. As a result, the key ring cannot move up and down in the slot any longer – it can only rotate on the hole. In addition, the previous key ring has been replaced with a smaller, 13 mm design. This will result in the keys not hanging as low as in the past.

Parts Information

Part Number	Description
15842334	Cover, Or Lk & Ign Lk Key

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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Examining the GM Recall and NHTSA's Defect Investigation Process United States. Congress. Senate. Committee on Commerce, Science, and Transportation. Subcommittee on Consumer Protection, Product Safety, and Insurance, 2015

Safety Related Recall Campaigns for Motor Vehicles and Motor Vehicle Equipment, Including Tires United States. National Highway Traffic Safety Administration, Safety Related Recall Campaigns for Motor Vehicles and Motor Vehicle Equipment, Including Tires, 1977 General Motors Corporation v Department of Treasury, 466 Mich 231 (2002), 2002

116984 Lemon-Aid New and Used Cars and Trucks 1990-2016 Phil Edmonston, 2015-11-21 This book steers buyers through the the confusion and anxiety of new and used vehicle purchases unlike any other car and truck book on the market Dr Phil Canada s best known automotive expert for more than forty five years pulls no punches **Department of**

Transportation's Investigation of Rear Brake Lockup Problems in 1980 X-body Cars Should Have Been More Timely United States. General Accounting Office, 1983 Department of Transportation's Investigation of Rear Brake

Lockup Problems in 1980 X-body Cars Should Have Been More Timely. Report by the Comptroller General of the United States, 1983 *The Ethics of Technology* Martin Peterson, 2017-06-01 In this analytically oriented work Peterson articulates and defends five moral principles for addressing ethical issues related to new and existing technologies the cost benefit principle the precautionary principle the sustainability principle the autonomy principle and the fairness principle *Pitfalls of Corporate Leadership* Francis J. Clauss, 2023-03-30 Our nation is still reeling from the 346 fatalities suffered on two flights of the Boeing 737 MAX 8 planes the first in May 2017 and the second in March 2019 These are just one of the series of costly and deadly consequences of defective products described in this book Besides the Boeing 737 planes the examples of bad products include automobiles electrical energy networks pipelines bridges and other large structures banks drinkable water and financial services While the immediate or proximate causes of the disasters have been bad design or bad production the root or underlying causes have been bad corporate management and business cultures caused by corporate leaders The final five chapters provide short essays on product design production quality control management and culture and what the leaders of our private companies and government agencies might do to reduce the pitfalls that have led to so many defective products and their dire consequences **Public Affairs Information Service Bulletin**, 1915 **Lemon-Aid New and**

Used Cars and Trucks 2007-2017 Phil Edmonston, 2017-03-11 Steers buyers through the the confusion and anxiety of new and used vehicle purchases like no other car and truck book on the market Dr Phil along with George Iny and the Editors of the Automobile Protection Association pull no punches **NHTSA's Defect and Recall Procedures** United States.

Congress. House. Committee on Energy and Commerce. Subcommittee on Telecommunications, Consumer Protection, and Finance, 1983 *Bulletin of the Public Affairs Information Service* Public Affairs Information Service, 1925 **Design for**

Safety Louis J. Gullo, Jack Dixon, 2018-02-20 A one stop reference guide to design for safety principles and applications

Design for Safety DfSa provides design engineers and engineering managers with a range of tools and techniques for incorporating safety into the design process for complex systems. It explains how to design for maximum safe conditions and minimum risk of accidents. The book covers safety design practices which will result in improved safety, fewer accidents and substantial savings in life cycle costs for producers and users. Readers who apply DfSa principles can expect to have a dramatic improvement in the ability to compete in global markets. They will also find a wealth of design practices not covered in typical engineering books, allowing them to think outside the box when developing safety requirements. Design Safety is already a high demand field due to its importance to system design and will be even more vital for engineers in multiple design disciplines as more systems become increasingly complex and liabilities increase. Therefore, risk mitigation methods to design systems with safety features are becoming more important. Designing systems for safety has been a high priority for many safety critical systems, especially in the aerospace and military industries. However, with the expansion of technological innovations into other market places, industries that had not previously considered safety design requirements are now using the technology in applications. Design for Safety covers trending topics and the latest technologies. Provides ten paradigms for managing and designing systems for safety and uses them as guiding themes throughout the book. Logically defines the parameters and concepts, sets the safety program and requirements, covers basic methodologies, investigates lessons from history and addresses specialty topics within the topic of Design for Safety. DfSa Supplements other books in the series on Quality and Reliability Engineering. Design for Safety is an ideal book for new and experienced engineers and managers who are involved with design, testing and maintenance of safety critical applications. It is also helpful for advanced undergraduate and postgraduate students in engineering. Design for Safety is the second in a series of Design for books. Design for Reliability was the first in the series with more planned for the future.

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Principles of Contemporary Corporate Governance Jean Jacques du Plessis, Anil Hargovan, Jason Harris, 2018-02-16 Now in its fourth edition Principles of Contemporary Corporate Governance offers comprehensive coverage of the key topics and emerging themes in private sector corporate governance. It explains both the principles of corporate governance systems and their real world application in an authoritative and engaging manner. This fully revised and updated text has four parts: basic concepts, board structures and company officers, corporate governance in Australia, corporate governance in international and global contexts and shareholder activism and

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America's Many Faces Dario Lisiero,2014-09-21 America is an awesome reality that deserves to be studied in depth in order to discover its most relevant aspects whether they might be thrilling or chilling energizing or depressing inspiring or horrifying Like any other reality under the sky America is a very complex intriguing and contradictory entity that cannot be easily encapsulate in a simple definition or seen through common stereotypes More often than not the core essence of a nation does not coincide exactly with the perception of its citizens and much less with the image foreigners have formed in their minds One thing is what a nation proclaims to be and stand for and another how it operates at home and abroad One thing is how a nation is depicted and perceived by observers foreign or domestic and another how it is in its laws government and justice system

Lemon-Aid New Cars and Trucks 2010 Phil Edmonston,2009-11-01 This compendium of everything that's new in cars and trucks is packed with feedback from Canadian drivers insider tips internal service bulletins and confidential memos to help the consumer select what's safe reliable and fuel frugal

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