

From: Robert D. Granny
To: Jeffrey Konchan
CC: Brian Stouffer
BCC:
Sent Date: 2012-11-27 18:09:00:00
Received Date: 2012-11-27 18:09:00:00
Subject: Re: URGENT: Cobalt Ignition Cylinder
Attachments:

Jeff,

Brian supplied me the VIN. I looked up the code. Key has been requested from STRATTEC to be cut & shipped today

Regards,
Robert D. Granny
 General Motors Company

Lead Engineer
 Side Closures
 Locksets & Theft Prevention



Jeffrey Konchan---11/27/2012 12:20:47 PM--Hi Brian, See below for my available times.

From: Jeffrey Konchan/US/GM/GMC
To: Brian Stouffer/US/GM/GMC; Robert D. Granny/US/GM/GMC
Date: 11/27/2012 12:20 PM
Subject: URGENT: Cobalt Ignition Cylinder

Hi Brian,
 See below for my available times.

Bob,
 Can you please get a key cut for this ignition cylinder ('07 Cobalt) as soon as possible. See Brian to get the cylinder. This is very important and urgent. NOTE: If easier, we could re-code the cylinder by changing its tumblers to match a key you have - if you have one.

Thanks,

Jeff Konchan
 GM Technical Fellow - Closures Hardware
 Chair - Body Invention Review Board

Brian Stouffer---11/27/2012 11:01:54 AM---Please see the matrix below and mark times when you are available. In preparation for the meeting I

From: Brian Stouffer/US/GM/GMC
To: Jeffrey Konchan/US/GM/GMC; Brian Thompson/US/GM/GMC; Raymond DeGiorgio/US/GM/GMC; John Zuzelski/US/GM/GMC; Peter Judis/US/GM/GMC; Mark A. Beauregard/US/GM/GMC
Date: 11/27/2012 11:01 AM
Subject: PLEASE REPLY: Mfg Request on Cobalt Ignition Cylinder

Please see the matrix below and mark times when you are available.

In preparation for the meeting I purchased a 2007 Cobalt steering column assembly from Schram Auto Parts. It did not come with a key. Any assistance on how to get a key cut for this column would be appreciated.

I am also working with the interior team to find someone to assist with any proposed add-ons to the column shroud.

Thanks,

Brian Stouffer
 Product Investigation

	11/29		11/30				12/3	12/4	12/5			
	2-3	3-4	8-9	9-10	10-11	2-3	3-4	10-11	8-9	1-2	8-9	9-10
Jeff Konchan	x	x	x	x	x	x	x		x	x		
Mark Beauregard												
Brian Thompson												
Ray DeGiorgio												
John Zuzelski												
Pete Judis												

---- Forwarded by Brian Stouffer/US/GM/GMC on 11/27/2012 10:31 AM ----

From: Brian Stouffer/US/GM/GMC
To: Brian Stouffer/US/GM/GMC
Date: 11/28/2012 09:22 PM
Subject: Fw: Follow-Up on Cobalt Key Cylinder (VEC Green 1G26-05 / MML: 866-226-3505 a/c 6637671 Fed will host 4504)

Brian Stouffer
Product Investigation

----- Forwarded by Brian Stouffer/US/GM/GMC on 11/26/2012 09:21 PM -----

From: John Zuzelski/US/GM/GMC
To: Terrence E. Connolly/US/GM/GMC, Peter Judis/US/GM/GMC
Cc: Brian Stouffer/US/GM/GMC
Date: 11/14/2012 03:18 PM
Subject: Fw: Follow-Up on Cobalt Key Cylinder (VEC Green 1G26-05 / MML: 866-226-3606 a/c 6537671 Fed will host 4504)

Terry & Pete,

I attended the meeting below today. The Electrical team reviewed their proposals and impact to modify the Software/Hardware. At this time that option seems to be extremely difficult. Jim Federico has put them on Temporary Hold and has asked what Mechanical Options are possible?

Jim asked the team, "If we had to fix this problem mechanically - What options do we have" ?

I asked him if the Field Solution had to be a 100% Kill to the issue, or can we significantly reduce the propensity of the issue. (Example: Significantly increase the Ignition Switch Detent Force - It may resolve most knee to key contact issues but may not fix ALL Knee to key contact issues like occupants being tossed around in a pre-crash scenario. Jim asked that all ideas be put on the table for evaluation.

Therefore, Brian Stouffer will be calling a meeting with the team (Engineers & Managers from: Ignition Switch, Lock Cylinder, Column Shrouds, Steering Column) to brainstorm potential solutions. Example of some ideas below. The team would generate the possible alternatives and evaluate through a Pugh Analysis template.

Potential Ideas:

1. Add Snout to Column Shroud to prevent knee from contacting the key. Potential to attach the "Snout" through rubber key bumper features on shroud (See Pictures in file)
2. Design new shroud to protect key from knee's
3. Modify Key and Lock Cylinder to orient key in an upward facing orientation when in the RUN position.
4. Add Push Button to lock cylinder to prevent slipping out of RUN (Similar to old Manual Transmission Push Buttons on the Lock Cylinder)
5. Significantly Increase Ignition Switch Detent efforts.
6. Modification to Lock Cylinder to prevent slipping out of RUN. Maybe, - Need to push lock cylinder inward to allow to move out of RUN ???
7. Etc...

Not sure how we in Chassis are directly affected, except to support the team in the brainstorming and evaluation process.

Thanks,
John Zuzelski
Global Steering System GSSLT

----- Forwarded by John Zuzelski/US/GM/GMC on 11/14/2012 02:49 PM -----

Follow-Up on Cobalt Key Cylinder (VEC Green 1G26-05 / MML: [redacted] a/c [redacted] Fed will host [redacted])



Wed
11/14/2012
12:00 PM -
12:30 PM

Attendance is for John Zuzelski

Chair: Jim Federico/US/GM/GMC
Sent By: Cindy Mahan/US/GM/GMC

No Location Information

Required: Brian Stouffer/US/GM/GMC, Brian Thompson/US/GM/GMC, Bruce Jackson/US/GM/GMC, Carmen Benavides/US/GM/GMC, David Carey/US/GM/GMC, David DeFraim/US/GM/GMC, Doug Wachtel/US/GM/GMC, Jeffrey Konchan/US/GM/GMC, John Capp/US/GM/GMC, John R. Dolan/US/GM/GMC, John Sprague/US/GM/GMC, John Zuzelski/US/GM/GMC, Kent E. Helfrich/US/GM/GMC, Lisa D. Weber/US/GM/GMC, Mark A. Beauregard/US/GM/GMC, Terrence E. Connolly/US/GM/GMC, Vipul Modi/US/GM/GMC, William J. Kemp/US/GM/GMC

Description

MML: [redacted] a/c [redacted] Fed will host [redacted]

Cindy,

Please schedule 11/14/12. I will make sure the Directors who can't attend have representatives.

The total list of invitees is as follows:

Brian Stouffer/US/GM/GMC, Brian Thompson/US/GM/GMC, Bruce Jackson/US/GM/GMC, Carmen Benavides/US/GM/GMC, David Carey/US/GM/GMC, David DeFraim/US/GM/GMC, Doug Wachtel/US/GM/GMC, Jeffrey Konchan/US/GM/GMC, John Capp/US/GM/GMC, John R. Dolan/US/GM/GMC, John Sprague/US/GM/GMC, John Zuzelski/US/GM/GMC, Kent E. Helfrich/US/GM/GMC, Lisa D. Weber/US/GM/GMC, Mark A. Beauregard/US/GM/GMC, Terrence E. Connolly/US/GM/GMC, Vipul Modi/US/GM/GMC, William J. Kemp/US/GM/GMC

Agenda:

This meeting will discuss action items from the 10/4/12 meeting which include:

- 1) *What changes can be made to the ignition cylinder to increase effort?*
- 2) *What changes can be made to the ignition switch to increase effort?*
- 3) *What changes can be made to the steering column to increase effort?*

I understand how difficult it is to find a time when all the executives are available, so I appreciate your efforts.

Thank you!

Brian Stouffer
Product Investigation

Cindy Mahan---10/30/2012 01:59:08 PM---ok...updated grid...not much available...tell me what day you want to schedule ----- Forwarded by C

From: Cindy Mahan/US/GM/GMC
To: Brian Stouffer/US/GM/GMC
Date: 10/30/2012 01:59 PM

Subject: reply requested asap: Please Schedule Follow-Up on Cobalt Key Cylinder with Jim Federico

ok.. updated grid ..not much available. tell me what day you want to schedule
----- Forwarded by Cindy Mahan/US/GM/GMC on 10/30/2012 01:57 PM -----

From: Cindy Mahan/US/GM/GMC
To: Cheryl Schueller/US/GM/GMC; Linda M. Nicholson/US/GM/GMC; Sharon T. Dombrowski/US/GM/GMC; Geratyn A. Green/US/GM/GMC
Cc: Brian Stouffer/US/GM/GMC
Date: 10/30/2012 12:50 PM
Subject: Fw: reply requested asap: Please Schedule Follow-Up on Cobalt Key Cylinder with Jim Federico

Back to the drawing board....Kindly advise of availability for a 30 minute mtg.

Thanks,

cm

----- Forwarded by Cindy Mahan/US/GM/GMC on 10/30/2012 12:47 PM -----

From: Brian Stouffer/US/GM/GMC
To: "Cindy Mahan"
Date: 10/30/2012 12:33 PM
Subject: Re: reply requested asap: Please Schedule Follow-Up on Cobalt Key Cylinder with Jim Federico

----- Forwarded by Cindy Mahan/US/GM/GMC on 10/30/2012 12:26 PM -----

----- Forwarded by Cindy Mahan/US/GM/GMC on 10/26/2012 07:54 AM -----

From: Brian Stouffer/US/GM/GMC
To: Cindy Mahan/US/GM/GMC
Date: 10/25/2012 08:51 PM
Subject: Re: Please Schedule Follow-Up on Cobalt Key Cylinder with Jim Federico

Key People:

Jim Federico
Bruce Jackson
Terry Connolly
Carmen Benavides
Kent Helfrich

Cindy Mahan---10/25/2012 03:55:33 PM---Brian...kindly advise of the key 4-5 people this meeting should be scheduled around. thanks,
Brian Stouffer---10/25/2012 10:01:19 AM---Cindy, Please schedule a 1/2 hour follow-up meeting on the Cobalt Key Cylinder Issue with Jim Federi

From: Brian Stouffer/US/GM/GMC
To: Cindy Mahan/US/GM/GMC
Cc: Doug Wachtel/US/GM/GMC
Date: 10/25/2012 10:01 AM
Subject: Please Schedule Follow-Up on Cobalt Key Cylinder with Jim Federico
Cindy,

Please schedule a 1/2 hour follow-up meeting on the Cobalt Key Cylinder Issue with Jim Federico.

This meeting will discuss action items from the 10/4/12 meeting which include:

- 1) What changes can be made to the ignition cylinder to increase effort?
- 2) What changes can be made to the ignition switch to increase effort?
- 3) What changes can be made to the steering column to increase effort?

The invitees would be the same as the 10/4/10 meeting.

Thanks,

Brian Stouffer
Product Investigation

----- Forwarded by Brian Stouffer/US/GM/GMC on 10/25/2012 09:53 AM -----

Follow-Up: Cobalt Key Cyliner - VEC Yellow 2M36-10 (MML [redacted] a/c [redacted] Fed will host [redacted]

Thu 10/04/2012 12:30 PM - 1:00 PM
Attendance is for Brian Stouffer

Chair: Jim Federico/US/GM/GMC

No Location Information

This entry has an alarm. The alarm will go off before the entry starts.

Required: Brian Stouffer/US/GM/GMC; Brian Thompson/US/GM/GMC; Bruce Jackson/US/GM/GMC; Carmen Benavides/US/GM/GMC; David Carey/US/GM/GMC; David DeFraix/US/GM/GMC; Doug Wachtel/US/GM/GMC; Jeffrey Konchan/US/GM/GMC; John Capp/US/GM/GMC; John R. Dolan/US/GM/GMC; John Sprague/US/GM/GMC; John Zuzelski/US/GM/GMC; Kent E Helfrich/US/GM/GMC; Kristen M. Siemen/US/GM/GMC; Lisa D. Weber/US/GM/GMC; Mark A. Bearegard/US/GM/GMC; Terrence E Connolly/US/GM/GMC; Vipul Modi/US/GM/GMC; William J. Kemp/US/GM/GMC

Description

Cindy,

Please schedule a 1/2 hour follow-up meeting for the Cobalt Key Cylinder Issue.

The invitee list should be revised as follows:

Add Mark Bearegard
Replace Kristen Siemen with Kent Helfrich

The purpose of the meeting is to talk about the action assignments from the 9/4/12 meeting which include:

1. Can the SDM be modified or replaced to prevent the condition?
2. Initiate a Red X study to understand why the condition appears to no longer occur in 2008 and later models

3. Discuss other potential changes

Thank you,

Brian Stouffer
Product Investigation
[REDACTED]

Personal Notes
Personal Notes