

Preliminary Information

PIT5564B SIR MIL With DTC's B0012 B0013 B0014 B0015 B0019 B0020 B0021 and/or B0022 (Aftermarket USB/Phone Charger)

Models

Brand:	Model:	Model Year
Cadillac	Escalade Models	2007 - 2019
Chevrolet	Avalanche	2007 - 2013
Chevrolet	Silverado	2007 - 2018
Chevrolet	Silverado LD	2019
Chevrolet	Silverado 2500/3500	2019
Chevrolet	Suburban	2007 - 2019
Chevrolet	Tahoe	2007 - 2019
GMC	Sierra	2007 - 2018
GMC	Sierra Limited	2019
GMC	Sierra 2500/3500	2019

Brand:	Model:	Model Year:
GMC	Yukon Models	2007 - 2019
Holden	VF/WN	2014 - 2017
Involved Region or Country	North America	
Condition	Some owners may comment of an intermittent SIR MIL. When checking for DTCs, in most cases, it will have symptom codes for both high and low loop resistance (P0401 and P0402).	
Cause	This concern could be caused by interference from an aftermarket USB and/or power outlet in the vehicle causing the low resistance of an air bag deployment loop. - 1 is with only a USB charger plugged into the center console 12 volt power outlet. - 2 is when a phone was plugged into the USB charger and the deployment loop resistance was low. Both symptoms codes for the loop resistance being above and below threshold. - 3 is with everything unplugged from the 12 volt power outlet and the resistance was still low.	

Correction:

If, after following normal diagnostics and the root cause is not found, inspect the vehicle and/or question the customer if they are using any type of USB/phone charger/etc.

As in the example above, the scan tool was used to monitor the suspect air bag loop resistance while using/operating the aftermarket item plugged into the 12 volt power outlet.

If the concern is intermittent and/or can not be duplicated, ask the owner to refrain from using anything that is being plugged into the 12 volt power outlets and see if the issue goes away.

Shown below is one example of a USB charger that has caused this type of concern.

Version History

Version	3
Modified	04/24/2017 - Created on 07/05/2017 - Updated model years. 04/12/2019 - Updated model years.

Legal Data

Document Information

Latest Version

False

Published

False

Pending

False

**Document
ID**

TAC10294

PI

en_US (English United States)

4.0

James Will (nzs35g)

Amy Day (xzptm3)

False

April 12, 2019, 4:00 a.m. GMT

April 11, 2017, 1:27 p.m. GMT

N/A

April 12, 2019, 7:15 p.m. GMT

June 12, 2020, 5:26 p.m. GMT

April 12, 2019, 7:15 p.m. GMT

April 21, 2020, 4:00 a.m. GMT

Date Added

Date Modified

Date Last Modified

Review Date

Categories

- 2015

- Sierra

- 2016

- Avalanche
- 2011
- 2007
- Cadillac
- External PIs
- Audio, Bluetooth, Navigation, OnStar, Infotainment System
- 2008
- Escalade
- Driver Information and Entertainment
- 2014
- Failure Code Setting by Control Unit
- 2013

- Tahoe
- 2012
- Silverado
- 2018
- Safety and Security
- 2009
- 2017
- GMC
- Chevrolet
- 2019
- Suburban
- 2010

- Yukon

- Infotainment Systems

- TAC Advisor

- TAC

Usergroups

Views

4, 2015, 2016, 2017, 2018, 2019, B0012, B0013, B0014, B0015, B0019, B0020, B0021, B0022, C1, C2, C3, K, K2UX, K3, K6, PIT5564, PIT5564A, PIT5564B, SDM, SIR, SYM0D, SYM0E,

C's to set.

All;All;All;All GMNA;Chevrolet;Silverado;2007-2018;All;All;All;All GMNA;Chevrolet;Silverado
Suburban;2007-2019;All;All;All;All GMNA;Chevrolet;Tahoe;2007-2019;All;All;All;All
A;GMC;Sierra 2500/3500;2019;All;All;All;All GMNA;GMC;Yukon Models;2007-2019;All;All;All;All

2014, 2015, 2016, 2017, 2018, 2019, 2020, B0012, B0013, B0014, B0015, B0019, B0020, B0021, B0022, C1,
2, K2XX, K2UX, K3, K6, PIT5564, PIT5564A, PIT5564B, PIT5564C, SDM, SIR, SYM0D, SYM0E,