Software Safety Recalls in 2014-2015

Autocar, LLC

15V-280 05-13-15 Autocar Xpeditor 2008-16 5,245

**Brief Description of Defect:**
Mfg. Campaign No. ACX-1503 - Crankcase. DOM: 7/07-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

15V-281 05-13-15 Autocar Xpert, Xspotter 2014-16 41

**Brief Description of Defect:**
Mfg. Campaign No. MDTT-01 - Crankcase. DOM: 9/13-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

Blue Bird Body Co. (Micro Bird Inc, now Blue Bird Corp., see Girardin Minibus, Inc.)

15V-293 05-19-15 Blue Bird All American 2009-16 840

**Brief Description of Defect:**
Mfg. Campaign No. R15YE-SB - Crankcase. DOM: 12/08-5/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

15V-294 05-19-15 Blue Bird All American 2009-16 34

**Brief Description of Defect:**
Mfg. Campaign No. R15YE-NSB - Crankcase. DOM: 12/08-5/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

BMW (Bayerischen Motoren Werke, BMW of North America, Inc.)

14V-789 12-15-14 Mini Cooper S, Cooper 2014 1,928

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Transmission shift/FMVSS 114. DOM: 1/14-10/14. During service appointments, dealers may have inadvertently reprogrammed transmission control unit with software that may allow drivers to exit vehicle when transmission is not in park. Vehicles fail to meet FMVSS 114. If driver exits vehicle without transmission being in park, vehicle could roll
away as driver and other occupants exit vehicle or anytime thereafter. Vehicle rollaway increases risk of injury to exiting occupants and bystanders. Correct by reprogramming transmission control module with correct software.

**15V-148 03-13-15 BMW 428i, 435i 2015 2,067**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Airbag control module software/FMVSS 208. DOM: 10/14-2/15. Due to programming error, driver's front airbag deployment timing may be incorrect. Vehicles fail to meet FMVSS 208. Driver may be injured in crash. Correct by reprogramming airbag control module.

**15V-520 08-17-15 BMW 320i, 320xi, 328i, 328xi, 335i, 335xi, Activehybrid 3 328d, 328xd 2012-15 7,727 2014-15**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Lights. DOM: 10/11-6/15. Vehicles may have been programmed with software that inadvertently makes front side marker lights inoperative in conjunction with parking lights or headlights. Vehicles fail to meet FMVSS 108. If side marker lights do not illuminate, vehicle may be less visible at night and result in crash. Correct by uploading revised software.

**15V-537 08-24-15 BMW G 650 GS Serato G 650 GS 2013-14 1,060 2013-15**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - ECU software. DOM: 3/13-3/15. Motorcycles may stall when they are idling and clutch lever is pulled in. Engine stall may result in crash. Correct by installing revised version of engine control unit software.

**Champion Bus, Inc.**

**14V-303 05-28-14 Champion Bus Defender 2014 2**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Transmission software. DOM: N/A. On shuttle buses built on Freightliner M2 chassis with Eaton hybrid automated transmissions, software controlling transmissions may improperly raise vehicle's engine speed during downshifts without driver's input. Increase in engine speed may result in unintended acceleration and crash. Eaton will perform recall remedy. Correct by updating hybrid transmission software.

**Chrysler Group LLC (now FCA US LLC, formerly DaimlerChrysler Corp, Daimler LLC, Chrysler Corp.)**

**14V-103 03-04-14 Fiat 500L 2014 18,092**

**Brief Description of Defect:**
Mfg. Campaign No. P06 - Transmission gear shift. DOM: 4/13-1/14. In certain [unspecified] temperatures, moving transmission shift lever may have delayed effect or no effect on selecting
transmission gear. If there is no effect, vehicle might not shift out of park position. If there is delayed effect, vehicle may move in unintended or unexpected direction, resulting in crash. Correct by replacing shifter module or updating shifter software, as necessary.

<table>
<thead>
<tr>
<th>VIN</th>
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<td>Jeep Grand Cherokee</td>
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<td></td>
</tr>
</tbody>
</table>

**Brief Description of Defect:**
Mfg. Campaign No. P05 - ABS. DOM: 10/11-10/12. Under braking events, ready alert braking system (rab) may result in driver experiencing hard brake pedal feel. If driver experiences hard brake pedal, driver may not push pedal as intended, lengthening distance needed to stop vehicle and result in crash. Correct by updating ABS module software.

<table>
<thead>
<tr>
<th>VIN</th>
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**Brief Description of Defect:**
Mfg. Campaign No. P31 - Adaptive cruise control. DOM: 1/14-4/14. When adaptive cruise control is engaged and driver presses accelerator pedal to increase vehicle's speed more than cruise control system would on its own, vehicle may continue to accelerate briefly after accelerator pedal is released. Unintended continued acceleration may result in crash. Correct by re-flashing driver assistance system module.

<table>
<thead>
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<td></td>
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<td>Dodge Tradesman</td>
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</tr>
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</table>

**Brief Description of Defect:**
Mfg. Campaign No. P51 - ORC module. DOM: 7/12-8/14. On vans with two front bucket seats and no rear seating, road hazards such as potholes may cause front passenger side curtain and/or seat air bags to deploy unexpectedly, resulting in crash or injury to seat occupant. Correct by updating software in occupant restraint control (orc) module.

<table>
<thead>
<tr>
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<td>10-08-14</td>
<td>Chrysler Town &amp; Country</td>
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<td>Dodge Grand Caravan</td>
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<td>Jeep Wrangler</td>
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**Brief Description of Defect:**
Mfg. Campaign No. P63 -TPMS/FMVSS 138. DOM: 3/14-4/14. Due to software error, tire pressure monitoring system (TPMS) may fail to learn locations of individual sensors while vehicle is being driven. Low tire pressure warning light will illuminate, despite tire pressures being within specification. Should one of tires lose air pressure, driver would not be notified of change in air pressure. Vehicles fail to meet FMVSS 138. If TPMS light illuminates because sensors cannot be located, it could mask actual low tire pressure condition, result in tire failure and crash. Correct by reprogramming TPMS module.

<table>
<thead>
<tr>
<th>VIN</th>
<th>Date</th>
<th>Model</th>
<th>Year</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>14V-633</td>
<td>10-08-14</td>
<td>Ram Promaster</td>
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<td>23,053</td>
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</table>

**Brief Description of Defect:**
Mfg. Campaign No. P62 - TPMS/FMVSS 138. DOM: 4/13-8/14. Due to software error, tire pressure monitoring system (TPMS) may fail to learn locations of individual sensors while vehicle is being driven. Low tire pressure warning light will illuminate, despite tire pressures
being within specification. Should one of tires lose air pressure, driver would not be notified of change in air pressure. Vehicles fail to meet FMVSS 138. If TPMS light illuminates because sensors cannot be located, it could mask actual low tire pressure condition, result in tire failure and crash. Correct by updating TPMS module with new software.

14V-636 10-08-14 Dodge Durango 2014 132,223
Jeep Grand Cherokee

Brief Description of Defect:
Mfg. Campaign No. P64 - Steering control module. DOM: 10/13-4/14. Due to issue with software for steering column control module (SCCM), electronic stability control (ESC) may be disabled. If ESC is disabled, driver may not be able to adequately control vehicle, resulting in crash. Correct by updating SCCM software.

14V-643 10-14-14 Dodge Durango 2014 126,772
Jeep Grand Cherokee

Brief Description of Defect:
Mfg. Campaign No. P67 - ORC module. DOM: 10/12-6/14. Due to fault within occupant restraint control (OCR) module, frontal air bags, seat belt pretensioners, and side air bags may be disabled. malfunction indicator light “mil” should illuminate to initially warn drivers of failure. If frontal air bags, seat belt pretensioners, and side air bags are disabled, injury may result to vehicle occupants in crash. Correct by replacing OCR module.

14V-749 11-24-14 Dodge Challenger 2015 11,668

Brief Description of Defect:


Brief Description of Defect:

15V-179 03-27-15 Fiat 500e 2013-15 5,638

Brief Description of Defect:
Mfg. Campaign No. R15 - Control module software. DOM: 3/12-11/14. If vehicle goes in to limp home mode, incompatible software between electric vehicle control unit and battery pack control module may cause electric propulsion system to fully shut down and cause stall-like condition, resulting in crash. Correct by updating software to ensure compatibility between components.

15V-290 05-18-15 Ram 4500, 5500 2014-15 1,771

Brief Description of Defect:
Mfg. Campaign No. R17 - ECU software. DOM: 8/13-1/15. Vehicles have maximum governed speed of 106 mph but are fitted with tires that are only rated for maximum speed of 87 mph. If vehicle exceeds tires' maximum speed rating, tires may suddenly fail and result in crash. Correct by modifying electronic control unit software to limit vehicle's speed to 87 mph.

15V-291 05-18-15 Fiat 500e 2013-15 3,851

Brief Description of Defect:
Mfg. Campaign No. R20 - ECU software. DOM: 3/13-3/15. Electric vehicle control unit (EVCU) of vehicles may set diagnostic trouble code that may cause transmission to unexpectedly shift to neutral. If vehicle unexpectedly shifts to neutral, loss of drive could increase risk of crash. Correct by reprogramming EVCU.

15V-460 07-22-15 Ram 1500, 2500, 3500 2013-15 667,406

Brief Description of Defect
Mfg. Campaign No. R23 - ORC module software. DOM: 6/12-1/15. Side impact sensor calibrations may be overly sensitive, and side airbag inflatable curtains and seat airbags may unexpectedly deploy and seat belt pre-tensioners may activate. Airbags that unexpectedly deploy may result in crash or injury. Correct by updating occupant restraint control module calibration.


Brief Description of Defect
Mfg. Campaign No. R40 - Radio software. DOM: 6/12-7/15. Vehicles have radios that have software vulnerabilities that can allow third-party access to networked vehicle control systems. Exploitation of software vulnerability may result in unauthorized remote modification and control of vehicle systems, resulting in crash. In effort to mitigate effects of security vulnerability, Chrysler had wireless service provider close open cellular connection to vehicle that provided unauthorized access to vehicle network. This measure may not have been implemented on all vehicles and does not address access by other means that will be remedied by software update. Correct by providing usb drive that includes software update that eliminates vulnerability, by downloading update to their own usb drive from http://www.driveuconnect.com/software-update/ or taking vehicle to Chrysler dealer.

15V-467 07-27-15 Dodge Charger 2011-14 284,153

Brief Description of Defect:
Mfg. Campaign No. R35 - ORC module software. DOM: 5/10-6/14. Side impact sensor calibrations may be overly sensitive, and as result, side airbag inflatable curtains and seat airbags may unexpectedly deploy and seat belt pre-tensioners may activate. Airbags that unexpectedly deploy increase risk of crash or injury. Correct by updating occupant restraint control module calibration.
Brief Description of Defect
Mfg. Campaign No. R45 - Radio software. DOM: 9/14-6/15. Vehicles have radios that have software vulnerabilities that can allow third-party access to networked vehicle control systems. Exploitation of software vulnerability may result in unauthorized remote modification and control of vehicle systems, resulting in crash. In effort to mitigate effects of security vulnerability, Chrysler had wireless service provider close open cellular connection to vehicle that provided unauthorized access to vehicle network. This measure may not have been implemented on all vehicles and does not address access by other means that will be remedied by software update. Correct by providing usb drive that includes software update that eliminates vulnerability, by downloading update to their own usb drive from http://www.driveuconnect.com/software-update/ or taking vehicle to Chrysler dealer.

Crane Carrier Co.

Brief Description of Defect:
Mfg. Campaign No. N/A - Crankcase. DOM: 2/08-5/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

Cummins Engine Co. (Cummins Inc.)

Brief Description of Defect:
Mfg. Campaign No. C1627 - Crankcase. DOM: 2/07-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces. If engine oil comes into contact with hot surface, there is increased risk of fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

ElDorado Industries, Inc. (ElDorado National (California), Inc., ElDorado National (Kansas), Inc.)

Brief Description of Defect:
Mfg. Campaign No. N/A - Crankcase. DOM: 7/07-5/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.
Emergency One Inc.

14V-217 04-18-14 E-One Cyclone Ii, Quest, Typhoon

Brief Description of Defect:
Mfg. Campaign No. N/A - ECU. DOM: 3/13-4/14. On Quest fire fighting chassis with vehicle input module (VIM) part number 508875, VIM, used to supply programming inputs that monitor and control some vehicle functions such as lights, warning indicators and some interlock functions of vehicle electrical system, has software that affects operation of brake lights and other electrical operations of vehicle. VIM software may cause vehicle's brake lights to be illuminated even when vehicle is not braking and may prevent vehicle's ability to raise its idle when auxiliary equipment is being used. If brake lights are illuminated while vehicle is moving it could result in crash. If vehicle cannot raise its idle when auxiliary equipment is being used, equipment such as aerial devices, electrical generators and rescue tools may have reduced performance. Correct by updating VIM software.

Ferrari North America, Inc.

15V-306 05-26-15 Ferrari LaFerrari

Brief Description of Defect:
Mfg. Campaign No. 56. - TPMS/FMVSS 138. DOM: 5/14-3/15. In event of tire puncture, vehicles will display incorrect warning message of "low tyre pressure-max speed 50 mph" instead of correct message "low tyre pressure-do not proceed." Vehicles fail to meet FMVSS 138. Incorrect message may cause driver to continue driving on punctured tire, causing loss of vehicle control, and crash. Correct by updating tire pressure monitoring system software to give correct reading.

Ford Motor Co.

14V-204 04-17-14 Ford F-250 SD, F-350 SD, F-450 SD, F-550 SD

Brief Description of Defect:
Mfg. Campaign No. 14C04 - Transmission gear shift/FMVSS 102. DOM: 9/13-3/14. On trucks with 6.2L gasoline or 6.7L diesel engines and 6r140 transmissions, error with transmission control software may when shifting from "park" to "drive" vehicle display "drive" but engage "reverse" for 1.5 seconds before engaging "drive." Vehicles fail to meet FMVSS 102. If vehicle is in "reverse" while gear selection shows "drive," unexpected movement could occur, resulting in crash. Correct by updating transmission software.

14V-284 05-29-14 Ford Escape Mercury Mariner

Brief Description of Defect:
Mfg. Campaign No. 14S05 - P/steering control module. DOM: 8/06-9/10. Vehicles have steering torque sensor that may not be able to properly detect driver steering input and could remove electric power steering assist. If power steering assist is lost, greater driver effort would be required to steer vehicle at low speeds, resulting in crash. Correct by updating software for
power steering control module (PSCM) and instrument cluster module and by replacing components if vehicle shows history of loss of torque sensor signal or fault codes relating to PSCM.

14V-286  05-29-14  Ford  Explorer  2011-13  179,027
**Brief Description of Defect:**
Mfg. Campaign No. 14S06 - P/steering control module. DOM: 5/10-2/12. Vehicles may experience intermittent connection in electric power steering gear, which can cause loss of motor position sensor signal resulting in shut down of power steering assist. If power steering assist is lost, greater driver effort would be required to steer vehicle at low speeds, resulting in crash. Correct by updating software for power steering control module (PSCM) and by replacing steering rack assembly if vehicle shows history of loss of motor position sensor signal.

15V-006  01-09-15  Lincoln  MKC  2015  11,144
**Brief Description of Defect:**
Mfg. Campaign No. 14S29 - PTS switch. DOM: 8/13-9/14. Push-to start/stop (PTS) button that is located at bottom of shift transmission controls may inadvertently be pushed, causing engine to shut off. If PTS switch is inadvertently pressed, vehicle may stop unexpectedly and result in crash. In crash with vehicle turned off, airbags and seat belt restraints may not function as intended, resulting in injury. Correct by relocating PTS switch and reprogramming powertrain control module.

15V-175  03-25-15  Ford  F-350 SD, F-450 SD, F-550 SD  2011-15  6,322
**Brief Description of Defect:**
Mfg. Campaign No. 15S09 - Powertrain control module software. DOM: 2/10-1/15. Vehicles may detect incorrect exhaust gas temperature sensor fault indicating that vehicle is too hot, causing engine management system to shut down engine and prevent its immediate restart. Engine shut down and subsequent cool down period may delay medical treatment or assistance to those needing it, increasing their risk of injury. Correct by updating powertrain control module software.

15V-248  04-27-15  Lincoln  MKZ  2015  21,435
**Brief Description of Defect:**
Mfg. Campaign No. 15C02 - Parking lights. DOM: 2/14-3/15. Parking lights do not reduce their light output from drl level when used in conjunction with headlights. Light output may exceed permissible amount allowed by FMVSS 108. If light output is excessive, oncoming traffic may be temporarily blinded and result in crash. Correct by updating lighting control software.

15V-340  06-02-15  Ford  Flex, Taurus  2011-13  393,623
Lincoln  MKS, MKT  2011-13
Mercury  Milan  2011
**Brief Description of Defect:**
Mfg. Campaign No. 15S18 - P/steering control module. DOM: 9/10-2/12. Vehicles have electric power steering assist systems that may shut down as result of steering motor sensor fault. If vehicle experiences loss of power steering assist, extra steering effort will be required at lower speeds, increasing risk of vehicle crash. Correct by checking power steering control module (PSCM) for diagnostic trouble codes. If dealers find any loss of steering assist, steering gear will be replaced. If, no codes are found during inspection, PSCM software will be updated.

15V-406  06-24-15  Ford  Escape, Transit Connect  2014-15  184,519

Brief Description of Defect:
Mfg. Campaign No. 15C03 - Instrument panel. DOM: 5/14-7/15. Due to software incompatibility issue, instrument panel cluster be inoperative including blank multiple functional display (mfd), and non-functional warning chimes, messages and warning lights. Specific warning chimes, messages and warning lights. Vehicles fail to meet FMVSS 101. If instrument cluster is inoperative, driver of may not be warned of safety related issues such as low tire pressures or disabled airbags, resulting in injury or crash. Correct by updating instrument panel software.

15V-436  07-08-15  Ford  C-Max, Escape, Focus  2015  374,781

Brief Description of Defect:
Mfg. Campaign No. 15C06 - Body control module software. DOM: 4/14-6/15. Engine may continue to run after key or start/stop engine button is turned to off. Vehicles fail to meet FMVSS 114. If engine does not turn off as expected, someone could move transmission shifter out of park and vehicle may move unintentionally and result in crash. Correct by updating body control module software.

15V-614  09-30-15  Ford  F-150  2015  33,481

Brief Description of Defect:
Mfg. Campaign No. 15S29 - Adaptive cruise control. DOM: 3/14-8/15. While using adaptive cruise control, vehicle may falsely detect obstacle in its path and may unexpectedly apply brakes. vehicle that unexpectedly brakes increases risk of crash. Correct by reprogramming cruise control module with updated acc radar software.


Brief Description of Defect:
Mfg. Campaign No. 15S32 - Brake controller. DOM: 11/14-9/15. Trailer brake controller may not actuate trailer brakes. If trailer brakes are not activated when towing vehicle is slowing down, distance needed to stop vehicle may be lengthened and result in crash. Correct by reprogramming powertrain control module.

Forest River, Inc. (see Coachmen Industries, Starcraft Bus & Mobility)

15V-525  08-18-15  Starcraft Bus  All Star XL  2013-14  30

XLT  2013

Brief Description of Defect:
Mfg. Campaign No. 05-08102015-0071 - ECM. DOM: 10/12-11/12. Vehicles with Navistar engines have fuel injectors that may fail. If one or more fuel injectors fail, engine may misfire,
causing loss of performance, resulting in engine stall and crash. Correct by recalibrating engine control module software.

**Freightliner Corp. (now Daimler Trucks North America LLC)**

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<tr>
<th>Mfg. Campaign</th>
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<th>Vehicle</th>
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<td>LT8500</td>
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<td>Thomas Built</td>
<td>Saf-T-Liner HDX</td>
<td>2011-15</td>
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</tbody>
</table>

**Brief Description of Defect:**
Mfg. Campaign No. FL-681 - Crankcase. DOM: 1/08-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**General Motors Corp. (now General Motors LLC)**

<table>
<thead>
<tr>
<th>Mfg. Campaign</th>
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<td>GMC</td>
<td>Sierra</td>
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</table>

**Brief Description of Defect**
Mfg. Campaign No. 14008 - Exhaust. DOM: N/A. On vehicles with 4.3L or 5.3L engines, when vehicle is idling in cold temperatures, exhaust components can overheat. Overheated exhaust components may melt nearby plastic parts and may result in engine fire. Correct by reprogramming engine control module.

<table>
<thead>
<tr>
<th>Mfg. Campaign</th>
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<th>Vehicle</th>
<th>Model</th>
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<td>14V-144</td>
<td>03-27-14</td>
<td>Cadillac</td>
<td>ELR</td>
<td>2014</td>
<td>656</td>
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</table>

**Brief Description of Defect**
Mfg. Campaign No. 14087 - ESC/FMVSS 126. DOM: N/A. On vehicles not equipped with adaptive cruise control, electronic stability control (ESC) system software may inhibit ESC diagnostics, preventing system from alerting driver that ESC system is partially or fully disabled. Vehicles fail to meet FMVSS 126. If driver is not alerted to ESC malfunction they may continue driving with disabled ESC system which may result in loss of directional control and crash. Correct by recalibrating electronic brake control module (EBCM).

<table>
<thead>
<tr>
<th>Mfg. Campaign</th>
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**Brief Description of Defect**
Mfg. Campaign No. 14132 - Transmission Control Module. DOM: 5/12-7/13. Vehicles with 3.6L engines may have three to four second lag in acceleration due to transmission control module (TCM) programming. Three to four second lag in acceleration may result in crash. Correct by reprogramming transmission control module.

<table>
<thead>
<tr>
<th>Mfg. Campaign</th>
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<th>Vehicle</th>
<th>Model</th>
<th>Year</th>
<th>Miles</th>
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</tr>
</tbody>
</table>

**Brief Description of Defect**
Mfg. Campaign No. 14007 - ECM. DOM: 3/13-8/13. Engine control module (ECM) software may cause fuel gauge to read inaccurately. This may result in vehicle unexpectedly running out
of fuel and stalling, resulting in crash. Correct by reprogramming ECM to correct fuel gauge reading.

14V-247  05-14-14  Chevrolet  Malibu  2014  140,067

**Brief Description of Defect**
Mfg. Campaign No. 14201 - Brake/FMVSS 135. DOM: 6/13-5/14. Vehicles with 2.5L engine and auto stop/start option may experience complete loss of brake vacuum assist, disabling hydraulic boost assist. Vehicles fail to meet FMVSS 135. If hydraulic boost assist is disabled, slowing or stopping vehicle will require additional brake pedal effort and lengthened stopping distance. Both of these effects may result in crash. Correct by updating electronic brake control module software.

14V-301  06-06-14  Chevrolet  Silverado HD, Tahoe  2015  57,512
GMC  Silverado  2014
  Sierra HD  2015
  Sierra  2014

**Brief Description of Defect**
Mfg. Campaign No. 14315 - Warning Chime/FMVSS 114, 208. DOM: 1/13-4/14. On vehicles with base radio and internal amplifier, radios may become inoperative and there would be no audible chime to notify driver if door is opened with key in ignition or no audible seat belt warning indicating seat belts were not buckled. Vehicles fail to meet FMVSS 114 and 208. Without audible indicator, driver may not be aware that driver's door is open while key is in ignition and result in vehicle rollaway. Additionally, there would be no reminder that driver's or front seat passenger's seat belt is not buckled, which could increase risk of injury in crash. Correct by updating radio software.

14V-374  06-27-14  Chevrolet  Silverado  2014-15  392,459
GMC  Suburban, Tahoe  2015
  Sierra  2014-15
  Yukon  2015

**Brief Description of Defect**
Mfg. Campaign No. 14192 - Transfer Case. DOM: 1/13-6/14. Electrical signal short may cause transfer case to shift to neutral without driver's input. If transfer case switches to neutral while vehicle is parked and parking brake is not in use, vehicle may roll away resulting in injury to bystanders. If transfer case switches to neutral while vehicle is being driven, vehicle would lose drive power and may crash. Correct by re-programming software in transfer case control module.

14V-450  07-23-14  Chevrolet  Impala  2014  57,242

**Brief Description of Defect**
Mfg. Campaign No. 14330 - P/steering. DOM: 11/12-12/13. Due to poor electrical ground connection to P/steering control module, vehicles may lose P/steering assist during start up or while driving. If P/steering assist is lost, greater driver effort would be required to steer vehicle at low speeds and may result in crash. Correct by cleaning paint from behind ground stud nut and updating module software.
**Brief Description of Defect**

**14V-518 08-28-14**

Cadillac XTS 2013-14 5

Chevrolet Impala 2014

Mfg. Campaign No. 14532 - Airbag. DOM: 4/13-11/13. Vehicles may have left factory with sensing and diagnostic module (SDM) set to "manufacturing mode." In manufacturing mode, vehicle's airbags will not deploy in crash and result in occupant injury. Correct by reprogramming SDM.

**14V-541 09-09-14**

Cadillac XTS 2013-15 205,309

Chevrolet Impala 2014-15

Mfg. Campaign No. 14471 - Parking Brake. DOM: 2/12-9/14. Electronic parking brake piston actuation arm may not fully retract causing brake pads to stay partially engaged. Brake pads that remain partially engaged with rotors may cause excessive brake heat and result in fire. Correct by updating electronic parking brake software.

**14V-645 10-09-14**

Chevrolet Colorado 2015 2,283

GMC Canyon

Mfg. Campaign No. 14690 - Airbag/FMVSS 208. DOM: 1/14-10/14. Driver airbag connections may have been wired incorrectly. This could reverse deployment sequence and disrupt deployment timing of driver airbag. Vehicles fail to meet FMVSS 208. If driver airbag does not deploy as designed, driver may be injured in crash necessitating airbag deployment. Correct by reprogramming inflatable restraint sensing and diagnostic module.

**15V-085 02-11-15**

Chevrolet Impala 2014 3,660

Mfg. Campaign No. 15100 - Brake control module. DOM: 11/12-5/14. Electronic parking brake piston actuation arm may not fully retract causing brake pads to stay partially engaged. Thus, these vehicles fail to comply with requirements of FMVSS 135. Brake pads that remain partially engaged with rotors may cause excessive brake heat that may result in fire. Note: recall covers some vehicles remedied incorrectly 14V-541. Correct by reprogramming electronic parking brake control module with new software.

**15V-145 03-13-15**

Chevrolet Volt 2011-13 50,236

Mfg. Campaign No. 14617 - Engine. DOM: 8/10-6/13. If driver exits vehicle without turning off electrical system, battery may drain low enough that gasoline engine will automatically start itself to recharge electric battery. If engine runs for extended period of time in enclosed space, there may be build up of carbon monoxide, resulting in injury. Correct by updating engine management software to limit time that stationary vehicle can be left in on position.

**15V-164 03-23-15**

Chevrolet Malibu 2013-15 87,063

Mfg. Campaign No. 15176 - Body control module. DOM: 10/11-3/15. Slide or tilt switch for roof panel may not be adequately recessed to prevent switch from inadvertently being pressed.
Vehicles fail to meet FMVSS 118, "power-operated window, partition, and roof panel systems." slide or tilt roof panel switch may inadvertently be pressed and roof panel may auto-close unexpectedly, increasing risk of pinch injury. Correct by updating body control module (bcm) software to remove auto-close feature for certain switch positions.

**Brief Description of Defect:**
Mfg. Campaign No. 15259 - Parking brake. DOM: 3/13-5/14. Electronic parking brake piston actuation arm may not fully retract causing brake pads to stay partially engaged. Thus, these vehicles fail to meet requirements of FMVSS 135. Brake pads that remain partially engaged with rotors may cause excessive brake heat that may result in fire. Note: Vehicles were previously remedied incorrectly under 14V-541 or 15V-085. Correct by reprogramming electronic parking brake control module with new software.

**Brief Description of Defect:**
Mfg. Campaign No. 15240 - Liftgate. DOM: 8/06-2/12. Vehicles, with power liftgate option, have gas struts that hold power liftgate up when open. These struts may prematurely wear and open liftgate may suddenly fall. If open liftgate unexpectedly falls, it may strike person, increasing their risk of injury. Correct by updating software for power liftgate actuator motor control unit so that motor will prevent rapid closing of lift gate.

**Brief Description of Defect:**
Mfg. Campaign No. 15504 - FMVSS 114/208. DOM: 4/14-6/15. Vehicles with base radio and onstar, radio may lock up due to software issue, causing display to go blank and all audio functions to cease. Because of this, there may be no warning chimes such as reminder to buckle seat belt and key being left in ignition when driver goes to exit vehicle. Vehicles fail to meet FMVSS 208 and 114. Without audible indicators, driver may leave key in ignition, increasing risk of theft. If driver or front passenger does not buckle their seat belt, there would be no chime to remind them to fasten their seat belts. If driver or passenger does not buckle their seat belt there is increased risk that they will be injured in crash. Correct by updating radio software.

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Crankcase. DOM: 8/10-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can
adjust engine output under misfire conditions to limit crankcase pressures.

Harley-Davidson Motor Co.

14V-185 04-08-14 Harley-Davidson FXSB, FXSBSE 2013-14 9,102

Brief Description of Defect:
Mfg. Campaign No. N/A - Fuel level sensor. DOM: 3/12-3/14. Suspension variances may affect gas tank mounting angle causing fuel level sensor to read inaccurately which may cause motorcycle to run out of fuel unexpectedly, even before low fuel warning lamp illuminates. Lack of fuel would cause motorcycle to stall, resulting in crash. Correct by updating software to recalibrate fuel level sensor signal.

14V-725 11-12-14 Harley-Davidson FLSs Softail 2014-15 4,688

Brief Description of Defect:
Mfg. Campaign No. 0618 - Light/FMVSS 108. DOM: 3/13-10/14. Vehicles may not have lamp-outage detection for front turn signals. Vehicles fail to meet FMVSS 108. Without turn signal lamp outage indicator, rider may not be aware that front turn signal is not working which could result in crash. Correct by reprogramming body control module software.

Hino Motor Sales USA, Inc. (Hino Motors USA, Inc., Hino Diesel Trucks (U.S.A.), Inc.)

14V-678 10-28-14 Hino XFC, XJC 2012 2,641

Brief Description of Defect:
Mfg. Campaign No. N/A - Brake warning lamp/FMVSS 105. DOM: 2/11-10/14. Brake warning lamp to illuminate loss of brake fluid pressure or low brake fluid may not operate correctly due to software programming issue. Vehicles fail to meet FMVSS 105. If warning lamp does not illuminate in low pressure or low brake fluid volume, driver will not be warned of reduction or loss of braking capability, resulting in crash. Correct by reprogramming ABS ECU.

Hme, Inc.


Brief Description of Defect:
Mfg. Campaign No. N/A - PCM. DOM: 1/14-3/15. Vehicles may detect incorrect exhaust gas temperature sensor (egt) fault indicating that vehicle is too hot, causing engine management system to shut down engine and prevent its immediate restart. Engine shut down and subsequent cool down period may delay medical treatment or assistance to those needing it, increasing their risk of injury. Correct by updating powertrain control module (pcm) software.

Honda (American Honda Motor Co.)

15V-301 05-20-15 Acura MDX, RLX 2014-15 19,502

RLX Hybrid 2014

Brief Description of Defect:
Mfg. Campaign No. JQ4, JQ5, JQ6 - CMBS. DOM: 8/12-2/15. Collision mitigation braking
system (CMBS) may incorrectly interpret certain roadside objects such as metal fences or metal guardrails as obstacles and unexpectedly apply brakes. If CMBS unexpectedly applies emergency braking force while driving, crash may result. Correct by updating CMBS software.


**Brief Description of Defect:**
Mfg. Campaign No. JU2-Civic, JU3-Fit - Transmission. DOM: 1/14-11/14. Software settings that control transmission operation may result in damage to transmission drive pulley shaft. If transmission drive pulley shaft is damaged, it may break, and vehicle may lose acceleration or front wheels may lock up while driving and result in crash. Correct by updating software for transmission.

15V-602 09-25-15 Honda Accord Hybrid 2014-15 6,786

**Brief Description of Defect:**
Mfg. Campaign No. JT7 - Hybrid system software. DOM: 8/13-5/15. Electrical interference may cause hybrid system to switch into fail-safe mode, disabling gasoline engine, limiting vehicle's speed to 40 miles per hour and functioning only on battery power. Once battery is discharged, vehicle will stall. Vehicle stall increases risk of crash. Correct by updating hybrid system software.

15V-665 10-16-15 Honda Accord 2008-09 303,904

**Brief Description of Defect:**
Mfg. Campaign No. JV4 - Airbag. DOM: 1/07-6/08. In vehicles, side impact sensor calibrations may be overly sensitive, and as result, side airbag inflatable curtains and/or seat airbags may unexpectedly deploy when ignition is on and door is slammed or there is impact with road debris. Airbags that unexpectedly deploy increase risk of crash or injury. Correct by updating airbag control unit software.

15V-668 10-16-15 Honda Pilot 2016 35,406

**Brief Description of Defect:**
Mfg. Campaign No. JV7 - TPMS/FMVSS 126, 135, 138. DOM: 5/15-9/15. When safety systems such as tire pressure monitoring, anti-lock braking or electronic stability control malfunctions, instrument panel will not illuminate corresponding warning light, however warning lamps will illuminate when ignition is turned off and then turned back on. Vehicles fail to meet FMVSS 126, 135, and 138. If safety system cannot immediately warn driver when needed, driver may be at increased risk of crash. Correct by updating instrument cluster software.

**Hyundai Motor America (Hyundai Motor Co.)**

15V-218 04-13-15 Hyundai Accent 2015 2,580

**Brief Description of Defect:**
Mfg. Campaign No. 129 - Occupant detection system. DOM: 9/14-2/15. In very cold temperatures, occupant detection system (ODS) may not be able to determine if child restraint seat is in front passenger seat. If ODS fails to detect that seat is occupied by child restraint seat, front airbag will not be deactivated and, in crash airbag deployment could cause injury to child
restraint seat. Correct by updating ODS software.

15V-678 10-20-15 Hyundai Sonata 2015-16 64,744

**Brief Description of Defect:**
Mfg. Campaign No. 134 - ABS software/FMVSS 135. DOM: 5/14-8/15. On vehicles with antilock braking system (ABS) warning light to warn driver if there is ABS malfunction, brake system warning light will illuminate, but ABS warning light will not illuminate. Since vehicles have ABS malfunction lights that do not illuminate, vehicles fail to meet FMVSS 135. If driver is alerted there is brake system malfunction, but not specifically with ABS system, driver may operate vehicle unaware that vehicle's brakes may lock up during hard braking and result in crash. Correct by updating ABS control unit software.

**IC Corp. (American Transportation Corp. Am Tran Corp.) (see International Truck and Engine Corp., Navistar International Corp.)**

14V-043 02-07-14 IC CE 2012-14 22

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Transmission software. DOM: 12/10-11/12. On buses with Eaton hybrid automated transmissions, software controlling transmissions may improperly raise vehicle's engine speed during downshifts without driver's input. Increase in engine speed may result in unintended acceleration and crash. Eaton will perform recall remedy. Correct by updating hybrid transmission software.

**International Truck and Engine Corp. (Navistar International Corp., International Harvester Co.) (see IC Corp.)**

14V-042 02-07-14 IC 3200 2010-11 114

International 4300 2008-13

IC 3200 2012, 2014

CE 2012, 2014

HC 2011-13

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Transmission software. DOM: 2/07-12/12. On trucks and buses with Eaton hybrid automated transmissions, software controlling transmissions may improperly raise vehicle's engine speed during downshifts without driver's input. Increase in engine speed may result in unintended acceleration and crash. Eaton will perform recall remedy. Correct by updating hybrid transmission software.

14V-063 02-19-14 International Durastar 2011-14 538

Terrastar 2012-14

**Brief Description of Defect:**
Mfg. Campaign No. 14505 - ECM software. DOM: 2/10-2/13. On trucks for emergency vehicle operations with 2010 Maxxforce 7 V8 diesel engines, engine warning protection shutdown (EWPS) was inadvertently re-enabled when engine control module (ECM) was recalibrated. If engine warning protection system is enabled and engine faults occur, emergency vehicle may shutdown EWPS hampering rescue operations and result in injury. Correct by recalibrating ECM.
software to ensure EWPS is disabled.

**15V-438 07-08-15 International Transtar 2013-15 63**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Crankcase. DOM: 4/12-12/14. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.


**Brief Description of Defect:**
Mfg. Campaign No. 15517 - ECM. DOM: 4/12-4/13. Accelerator pedal position sensor can move and result in high engine idle. High engine idle may make downshifting transmission difficult and engine brake may be disabled. These factors may hinder slowing down truck when descending long grade, thereby increasing risk of crash. Correct by recalibrating electronic control module (ecm) to allow it to recognize that pedal is at idle position.

**Jaguar Cars (see Austin Rover Cars of North America)**

**14V-292 06-02-14 Jaguar XJ 2013 70**

**Brief Description of Defect:**
Mfg. Campaign No. J040 - Airbag/FMVSS 208. DOM: 5/12-7/12. Generic software calibration installed on vehicles' restraints control module may not meet specification for proper operation of supplemental restraint system. Vehicles fail to meet FMVSS 208. Vehicles that have generic software may put occupants at increased risk of injury in crash. Correct by uploading new software for restraints control module.

**15V-038 01-27-15 Jaguar XK 2012-15 4,787**

**Brief Description of Defect:**
Mfg. Campaign No. J049 - Parking Lamp. DOM: 3/11-3/14. Front side lamps (parking lamps) may turn off after approximately 5 minutes. Vehicles fail to meet FMVSS 108. If parking lamps turn off, vehicle will have reduced conspicuity and result in crash. Correct by updating software that controls front side lamps.

**15V-569 09-11-15 Jaguar F-Type 2016 1**

**Brief Description of Defect:**
Mfg. Campaign No. J055 - P/Steering. DOM: 2/15-2/15. Vehicle has power steering system set in supplier's factory operating mode. In event of steering system malfunction, vehicle can experience additional steering inputs from electric power steering system. If vehicle is in motion when this occurs, driver may unexpectedly lose ability to control vehicle and crash. Correct by updating steering system software or replacing steering rack.

Kalmar Solutions, Llc
15V-357 06-09-15 Kalmar Ottawa 2010-14 22
**Brief Description of Defect:**
Mfg. Campaign No. N/A - Crankcase. DOM: 12/10-7/14. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**Kia Motors America, Inc.**

15V-015 01-16-15 Kia Forte 2014 86,880
**Brief Description of Defect:**
Mfg. Campaign No. SC113 - Cooling fan resistor & ECU. DOM: 12/12-4/14. Cooling fan resistor may overheat and melt, resulting in vehicle fire. Correct by replacing cooling fan resistor and multi-fuse unit for vehicles made through 1/27/14 and multi-fuse unit only for vehicles made after 1/27/14 and by updating engine control unit software on vehicles with 1.8L.

**Land Rover North America, Inc. (Land Rover, LTD., Rover Group, Ltd., see Ford Motor Co.)**

14V-163 03-31-14 Land Rover Range Rover 2014 5,238
**Brief Description of Defect:**
Mfg. Campaign No. P042 - Light/FMVSS 108. DOM: 5/13-10/13. Turn signal indicator may not flash at double rate or click at double-rate to give notification to driver of front turn signal malfunction. Vehicles fail to meet FMVSS 108. Without warning that front turn signal is malfunctioning, driver would continue to use vehicle, unaware that other drivers on road are not being notified that vehicle is turning, resulting in crash. Correct by updating vehicle software.

14V-395 07-01-14 Land Rover Evoque LR2 2012-13 40,551
**Brief Description of Defect:**
Mfg. Campaign No. P046 - OCS electronic control unit. DOM: 1/09-7/14. Component within occupant classification system (OCS) electronic control unit may fail, resulting in front seat passenger air bag being totally or partially disabled. In crash necessitating air bag deployment, if air bag is disabled, air bag may not deploy or may not deploy properly, resulting in injury to front seat passenger. Correct by updating restraint control module software.

14V-618 10-03-14 Land Rover LR4 Range Rover Sport, Range Rover 2013-14 28,037
**Brief Description of Defect:**
Mfg. Campaign No. P050 - TPMS/FMVSS 138. DOM: 9/13-6/14. Due to software error, tire pressure monitoring system (TPMS) may fail to learn locations of individual sensors while vehicle is being driven. Low tire pressure warning light will illuminate, despite tire pressures being within specification. Should one of tires lose air pressure, driver would not be notified of
change in air pressure. Vehicles fail to meet FMVSS 138. If TPMS light illuminates because sensors cannot be located, it could mask actual low tire pressure condition, result in tire failure and crash. Correct by updating body control module software.

| 15V-093 | 02-18-15 | Land Rover | Range Rover Sport | 2014-15 | 61,793 |
| 15V-093 | 02-18-15 | Range Rover | Range Rover | 2013-15 |

**Brief Description of Defect:**
Mfg. Campaign No. P059 - OCS software. DOM: 8/12-2/15. Light weight adult front seat passenger may be improperly classified by occupant classification system (OCS) and, as result, front seat passenger airbag may be disabled. If front passenger airbag is disabled during vehicle crash, there is increased risk of injury. Correct by updating OCS software.

| 15V-214 | 04-10-15 | Land Rover | LR4 | 2015 | 2,687 |

**Brief Description of Defect:**
Mfg. Campaign No. P062 - ABS software. DOM: 8/14-2/15. Due to anti-lock braking system (ABS) software error, dynamic stability control, roll stability control, traction control and hill decent control systems may be disabled. Loss of vehicle stability and control may occur and result in crash. Correct by updating ABS software.

| 15V-385 | 06-17-15 | Land Rover | Range Rover Sport | 2014-16 | 65,372 |
| 15V-385 | 06-17-15 | Range Rover | Range Rover | 2013-16 |

**Brief Description of Defect:**
Mfg. Campaign No. P068 - Doors. DOM: 7/12-3/15. Doors may unlatch unexpectedly when closed. If vehicle door unlatches, distraction may increase risk of crash and/or vehicle occupant may fall out of vehicle if they are not wearing seatbelt, increasing their risk of injury. Correct by updating keyless entry software.

**Mack Trucks, Inc.**

| 14V-545 | 09-09-14 | Mack | CHU | 2014-15 | 538 |
| 14V-545 | 09-09-14 | Mack | Pinnacle (CXU) | 2013-15 |

**Brief Description of Defect:**
Mfg. Campaign No. SC0381 - Adaptive cruise control. DOM: 8/12-6/14. On vehicles with adaptive cruise control, due to software error in vehicle control module, vehicles may not provide visual or audible alerts to driver warning them that obstruction in road was detected which can result in crash. Correct by reprogramming vehicle control unit.

| 14V-551 | 09-10-14 | Mack | Titan | 2015 | 19 |

**Brief Description of Defect:**
Mfg. Campaign No. SC0382 - ECU software. DOM: 1/14-5/14. Due to incorrect parameter setting in software for engine control unit, engine may stall and result in crash. Correct by reprogramming engine control unit.

| 15V-275 | 05-11-15 | Mack | LEU, MRU | 2011-16 | 2,124 |
| 15V-275 | 05-11-15 | Mack | LR6 | 2015-16 |

**Brief Description of Defect:**
Mfg. Campaign No. SC0391 - Crankcase. DOM: 6/10-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**Mazda (North America), Inc. (Mazda Motor Corp.)**

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**Brief Description of Defect:**

Mfg. Campaign No. 7314D - PCM. DOM: 5/13-12/13. Vehicles with 2.5L engine and regenerative engine braking system when driving in heavy rain or deep puddles, alternator belt may slip causing power control module (PCM) to incorrectly assume failure of charging system. Once PCM assumes that charging system has failed, vehicle will stop charging and could result in poor acceleration, loss of steering assist and W/S wiper operation, and engine stall, resulting in crash. Correct by reprogramming PCM with updated software.

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**Brief Description of Defect:**

Mfg. Campaign No. 7614E - PSCM software. DOM: 10/06-9/10. Vehicles have steering torque sensor that may not be able to properly detect driver steering input. System could remove electric power steering assist. If power steering assist is lost, greater driver effort would be required to steer vehicle at low speeds, resulting in crash. Correct by updating software for power steering control module (PSCM) and instrument cluster module and by replacing components if vehicle shows history of loss of torque sensor signal or fault codes relating to PSCM.

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**Brief Description of Defect:**

Mfg. Campaign No. 8014J - TPMS/FMVSS 138. DOM: 10/12-10/14. If pressures of four of tires on vehicle gradually drop at same time, tire pressure monitoring system (TPMS) may not warn driver of drop in pressure. Vehicles fail to meet FMVSS 138. Vehicle that is driven with under inflated tires may experience sudden tire failure, resulting in crash. Correct by updating TPMS software.

**Mercedes-Benz of North America, Inc. (now Mercedes-Benz USA, LLC)**

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**Brief Description of Defect:**

Mfg. Campaign No. 2015030005 - Tail Lights. DOM: 12/10-2/15. Vehicles have led tail lights that may not light on sides, reducing rear side visibility of vehicle. Vehicles fail to meet FMVSS 108. Reduced rear side marker illumination may prevent other drivers from seeing vehicle and result in crash. Correct by updating lighting controller software.
15V-647 10-13-15 Mercedes-Benz S550 Hybrid 2015 4

Brief Description of Defect:
Mfg. Campaign No. 2015100004 - Fuel Pump. DOM: 5/13-4/15. After driving in electric mode, fuel pump output may be insufficient to restart gasoline engine and vehicle will stall. Vehicle stall increases risk of crash. Correct by updating fuel system control unit software.

15V-652 10-14-15 Mercedes Benz S63 Amg 4matic 2015-16 3,177
S63 Amg 2014

Brief Description of Defect:
Mfg. Campaign No. 2015100003 - ECU software. DOM: 5/13-9/15. Due to software error within engine control unit, vehicle may stall when coasting to stop, such as at traffic light. Vehicle stall may be interpreted by driver to be planned shut-down as part of eco-start-function. However, engine will not restart automatically after releasing brake pedal, immobilizing vehicle and increasing risk of crash. Correct by updating engine control unit software.

15V-655 10-14-15 Mercedes Benz B-Class Electric 2014-15 2,618

Brief Description of Defect:
Mfg. Campaign No. 2015100005 - Powertrain. DOM: 11/13-5/15. Due to communication error within electric drive system, electric powertrain unit may shut down, temporarily immobilizing vehicle and resulting in loss of propulsion power. Vehicle stall increases risk of crash. Correct by updating electric drive system software.

15V-845 12-16-15 Mercedes Benz C300, C400 2015 28,452

Brief Description of Defect:
Mfg. Campaign No. 2015120006 - P/Steering software. DOM: 1/14-12/14. Due to error in electric power steering control unit software, vehicles may have loss of electric power steering assist. If vehicle experiences loss of power steering assist, extra steering effort will be required, especially at lower speeds, increasing risk of vehicle crash. Correct by updating power steering software.

Mitsubishi Motors Corp., USA (Mitsubishi Motors Sales, Inc., Mitsubishi Motors North America, Inc.)

14V-522 09-02-14 Mitsubishi I-Miev 2010-14 1,810

Brief Description of Defect:
Mfg. Campaign No. SR-14-007 - Brake pump. DOM: 9/09-3/14. Due to either software programming or corrosion caused by road salt, brake vacuum pump may stop functioning. If brake vacuum pump stops functioning, distance needed to stop vehicle may be lengthened, resulting in crash. Correct by either reprogramming brake vacuum pump controller, replacing brake vacuum pump or doing both.

Motor Coach Industries, Inc.

14V-370 06-09-14 Mci D4000, D4000istv, 2014 686
D4005, D4500, D4505, J4500

Brief Description of Defect:
Mfg. Campaign No. 413 Headlight. DOM: 7/13-4/14. Multiplex electrical systems controller may unintentionally turn off vehicle's headlights while vehicle is in gear, reducing driver’s visibility which may result in crash. Correct by updating multiplex controller software.

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**Brief Description of Defect:**
Mfg. Campaign No. SB 423 - Crankcase. DOM: 11/11-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

New Flyer Industries Ltd.

<table>
<thead>
<tr>
<th>Date</th>
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<td>XN60</td>
<td>2012-14</td>
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**Brief Description of Defect:**
Mfg. Campaign No. R15-007 - Crankcase. DOM: 4/08-5/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

<table>
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<th>Date</th>
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**Brief Description of Defect:**
Mfg. Campaign No. R15-006 - Door controller software. DOM: 6/13-4/15. These vehicles have door controller assemblies that may have software defect which can cause rear passenger doors to open, without warning, when bus accelerates from stopped position. If rear bus door opens while bus is in motion, there is increased risk of injury for passengers. Correct by updating door controller assembly software.

Nissan Motor Corp., USA (Nissan North America, Inc.)

<table>
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<tr>
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<td>Nissan</td>
<td>Altima, Leaf, Pathfinder, Sentra</td>
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**Brief Description of Defect:**
Mfg. Campaign No. N/A - Airbag OCS software. DOM: 1/12-2/14. Occupant classification system (OCS) software may incorrectly classify passenger seat as empty, when it is occupied by adult. If OCS does not detect adult occupant in passenger seat, passenger airbag would be deactivated. Failure of passenger airbag to deploy during crash (where deployment is warranted) could result in injury to passenger. Correct by updating OCS software.

**14V-581 09-22-14 Infiniti Q50 Hybrid, Q70 Hybrid 2014 5,412**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Motor inverter software. DOM: 12/12-6/14. Due to software error, electric motor may stop working while vehicle is being driven using electric motor only which may result in crash. Correct by reprogramming motor inverter software.

**14V-583 09-22-14 Infiniti M35 Hybrid, Q50 Hybrid, Q70 Hybrid 2013-14 6,562**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - ECM software. DOM: 4/10-7/14. Due to software error, if signal is lost from one of two throttle position sensors (TPS), engine control module (ECM) will go into fail-safe mode, partially closing throttle chamber. Should lost signal be restored, throttle chamber may open, regardless of position signal from TPS. Vehicle may gradually accelerate due to throttle chamber reopening. This unexpected acceleration may result in crash. Correct by reprogramming ECM.

**15V-681 10-20-15 Infiniti Jx35, Qx30 Hybrid, Qx60 2013 919**

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Airbag OCS. DOM: 3/12-11/14. Vehicles received incorrect occupant classification system (OCS) control unit during repair. These OCS control units may incorrectly classify front passenger seat as empty, when it is occupied by adult. If OCS does not detect adult occupant in passenger seat, passenger airbag would be deactivated. Failure of passenger airbag to deploy during crash (where deployment is warranted) could increase risk of injury to passenger. Correct by updating OCS software.

**North American Bus Industries**

**15V-296 05-19-15 NABI BRT, LFW CLFW 2007-15 1,809**

**Brief Description of Defect:**
Mfg. Campaign No. 20152 - Crankcase. DOM: 2/07-5/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing
ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**Nova Bus Inc. (Division of Prevost Car, Inc.)**

14V-380 06-30-14 Nova Bus Nova LFS 2004, 796

**Brief Description of Defect:**
Mfg. Campaign No. CR3200 - Air brake/FMVSS 121. DOM: N/A. Due to programming error in vehicle control unit, ABS malfunction light may not illuminate if abs control unit loses power. vehicles fail to meet FMVSS 121. If ABS malfunction light does not illuminate or ABS control unit loses power, driver would not be aware that ABS is not functional and that brakes may unexpectedly lock up under when brakes are applied, resulting in crash. Correct by updating software for instrument cluster.

15V-075 02-09-15 Nova Bus Nova LFS 2006-07 17

**Brief Description of Defect:**
Mfg. Campaign No. CR1300 - Doors. DOM: 1/06-12/07. In vehicles, rear exit door controls may not function properly. If rear exit door does not open and close as expected, there is increased risk of injury to bus occupants. Correct by programming exit door control.

**Orion Industries, Inc. (Bus Industries of America) (now Daimler Buses North America, Inc., see DaimlerChrysler Commercial Buses, formerly Freightliner Corp.)**

15V-288 05-15-15 Orion VII 2007-12 455

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Crankcase. DOM: 1/07-10/12. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**Oshkosh Corporation**

15V-330 06-01-15 Oshkosh S-Series 2012-14 44

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Crankcase. DOM: 2/12-11/13. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**Paccar Inc.**

14V-026 01-30-14 Kenworth T370 2014 22

**Brief Description of Defect:**
hybrid automated transmissions, software controlling transmissions may improperly raise vehicle's engine speed during downshifts without driver's input. Increase in engine speed may result in unintended acceleration and crash. Eaton will perform recall remedy. Correct by updating hybrid transmission software.

**Brief Description of Defect:**
Mfg. Campaign No. 414-E – Lights/FMVSS 393. DOM: 11/13-3/14. If driver turns on high beams, fog lights will automatically turn off, but after 10 seconds they may turn back on due to software malfunction. Combination of high beams and fog lights may exceed permissible limits of light output. Vehicles fail to meet FMVSS 108. If both fog lamps and high beams are illuminated at same time, oncoming traffic may be blinded by excessive light, resulting in crash. Correct by updating cab electronic control unit to correct programming.

**Brief Description of Defect:**
Mfg. Campaign No. 415-E and 15KWC - Cruise control software. DOM: 9/14-3/15. Each time cruise control speed decrease button is pressed, vehicle speed will actually increase by one mile per hour. If driver is intending to slow down vehicle but instead it inadvertently speeds up, there is increased risk of crash. Correct by updating cab controller software.

**Brief Description of Defect:**
Mfg. Campaign No. 15KWH and 515-G - Crankcase. DOM: 7/07-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**Brief Description of Defect:**
Mfg. Campaign No. 15KWL - FMVSS 108/ DRL. DOM: 1/10-5/15. DRLS are required to deactivate when hazard warning lights are activated, however, DRLS on these vehicles override hazard flashing functionality after brake pedal is pushed for more than two seconds. Normal hazard flashing functionality returns once service brake is released. Vehicles fail to meet FMVSS 108. If hazard warning lamps are overridden by DRL, oncoming vehicles may fail to be warned and result in crash. Correct by updating cab controller software.
Brief Description of Defect:
Mfg. Campaign No. 1115P - Tire. DOM: 1/08-10/15. Auto hauler trucks with Michelin 295/60r22.5 xza-2 front tires have speed rating less than vehicle is governed to. Higher vehicle speeds and other factors such as tire load and road temperatures may result in premature tire failure and crash. Correct by reprogramming engine's vehicle speed parameters to limit maximum vehicle speed to tire speed rating.

Brief Description of Defect:
Mfg. Campaign No. 1115Q - FMVSS 120/ Tire. DOM: 1/14-2/14. Vehicles with Michelin mn295/60 r22.5 xza front tires and 8.25" wheels and were certified to gawr greater than maximum 12,350 lbs allowed. Vehicles fail to meet FMVSS 120. If truck exceeds load rating on tire, tire may suddenly fail and result in crash. Correct by replacing 8.25" front wheels with 9.00" wheels and re-program maximum vehicle speed to appropriate settings.

Brief Description of Defect:
Mfg. Campaign No. 14013 - Fire hose software. DOM: 6/11-1/14. On vehicles with pressure governor or hand throttle supplied by Fire Research Corp., due to issue with software for pressure governor or hand throttle, vehicles may experience engine surge which can cause increased water pressure at end of fire hose, resulting in personal injury. Correct by installing software update.

Brief Description of Defect:
Mfg. Campaign No. WQS-54 - Brake Lights. DOM: 2/14-4/15. If switch that activates brake lights fails, automatic pre-collision braking component of driver assist system will not function. If automatic pre-collision braking system does not function as intended, vehicle will not react to obstacle in its path and result in crash. Correct by reprogramming driver assist system.

Brief Description of Defect:
control module malfunction, headlamps and daytime running lamps may fail while driving. If headlamps and daytime running lamps fail while driving, there would be loss of visibility, resulting in crash. Correct by removing headlamp control module and updating software.

**Tesla Motors, Inc.**

14V-006 01-13-14 Tesla Model S 2013 21,081

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Charging adapter. DOM: N/A. On vehicles with NEMA 14-50 (240 volt) universal mobile connector (umc) adapters, during charging, adapter, cord, or wall outlet could overheat and result in burn injury and/or fire. Correct by providing replacement NEMA 14-50 adapter with internal thermal fuse and "over-the-air" software update which allows on board charging system to detect any unexpected fluctuations in input power or higher resistance connections to vehicle. If detected, onboard charging system will automatically reduce charging current by 25%.

**Thomas Built Buses (see Freightliner Corp., now Daimler Trucks North America LLC)**

15V-344 06-03-15 Thomas Built Saf-T-Liner HDX 2008-15 746

**Brief Description of Defect:**
Mfg. Campaign No. FL-681 - Crankcase. DOM: 5/08-12/14. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module with software that can adjust engine output under misfire conditions to limit crankcase pressures.

**Toyota Motor Sales, U.S.A., Inc. (Toyota Motor Corp., Toyota Motor Co., Ltd.)**

14V-053 02-12-14 Toyota Prius 2010-14 698,457

**Brief Description of Defect**
Mfg. Campaign No. EOE - ECU. DOM: 3/09-1/14. Intelligent power module inside inverter module (component of hybrid system) contains transistors that may become damaged from high operating temperatures. If this occurs, various warning lamps will be illuminated on instrument panel and vehicle will have reduced power allowing only short driving distance. Vehicle may enter fail-safe/limp-home mode that limits drivability of vehicle. Hybrid system could also shut down completely resulting in vehicle stall and crash. Correct by updating software for both motor/generator control ECU and hybrid control ECU and replacing any failed inverter.

**14V-054 02-12-14 Lexus RX350 2012-13 261,114**

**Brief Description of Defect**
Mfg. Campaign No. EOF/ELA - Brake Actuator. DOM: 3/12-12/12. Brake system contains brake actuator that adjusts fluid pressure of each wheel cylinder. Electrical component within actuator may experience increased resistance resulting in illumination of various warning lights, including vehicle stability control system, antilock brake system and traction control system.
Systems could become inoperative, reducing directional control assistance, resulting in crash. Correct by updating software for skid control electronic control unit.

14V-272 05-22-14 Toyota Highlander Hybrid 2014 50,000 Highlander

**Brief Description of Defect**
Mfg. Campaign No. EOT - Airbag ECU/FMVSS 208. DOM: N/A. Vehicles may have improper software installed in air bag electronic control unit (ECU) for operation of front passenger seat belt force limiter which may use restraint setting designed for small occupants, such as those that weigh approximately 110 pounds, for all occupants regardless of their size. Vehicles do not meet FMVSS 208. In crash, larger front passenger seat occupant may not be properly restrained and be injured. Correct by installing software update in air bag ECU.

15V-011 01-16-15 Toyota Rav4 2013-15 1,140

**Brief Description of Defect:**

15V-143 03-13-15 Toyota Rav4 Ev 2012-14 2,497

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Electric vehicle traction motor assembly software. DOM: 7/12-8/14. Due to software issue within component of electric vehicle traction motor assembly, electric propulsion motor may shift to "neutral" resulting in loss of drive power and crash. Correct by updating electric vehicle traction motor assembly software.

15V-449 07-15-15 Toyota Prius V 2012-14 108,624

**Brief Description of Defect:**
Mfg. Campaign No. N/A - ECU. DOM: 8/11-6/14. Component within hybrid inverter assembly may overheat, causing hybrid system to reduce output power allowing vehicle to only drive short distance. Hybrid system may shut down causing vehicle to stop while being driven. vehicle may enter fail-safe/limp-home mode that limits drivability of vehicle. hybrid system could also shut down completely resulting in vehicle stall and result in crash. Correct by updating software for motor/generator control ECU and hybrid control ECU.

**Triumph Motorcycles America, Ltd**

14V-009 01-15-14 Triumph Tiger Explorer 2012-14 2,800
    Trophy SE 2013-14

**Brief Description of Defect:**
Mfg. Campaign No. N/A - ECU. DOM: 11/11-12/13. Electronic control unit (ECU) hardware and software may improperly detect motorcycle's throttle position resulting in motorcycle shutting down and result in crash, Correct by updating and installing new ECU hardware and software.
**Vapor Bus International**

15E-033 05-04-15 Vapor Eto Controller Assembly 3,000

**Brief Description of Defect:**
Mfg. Campaign No. N/A - ETO controller software. DOM: 3/13-4/15. These assemblies, which control door operator motor and brake, may have software defect which can cause rear passenger doors to open, without warning, when bus accelerates from stopped position. If rear bus door opens while bus is in motion, there is increased risk of injury for passengers. Correct by updating eto controller assembly software.

**Volkswagen of America, Inc. (see Porsche/Audi)**

14V-441 07-21-14 Volkswagen Tiguan 2009-14 151,389

**Brief Description of Defect:**
Mfg. Campaign No. 24AV/2W - Fuel pump software. DOM: 7/07-6/14. When using winterized fuel, bubbles may form in fuel system which could result in vehicle stalling and crash. Correct by updating vehicle's software to increase fuel pump pressure.

14V-667 10-24-14 Audi A4, Allroad, S4 2013-15 101,938

**Brief Description of Defect:**
Mfg. Campaign No. 69K5 - Airbag module. DOM: 2/12-10/14. Due to improper algorithm in airbag control module, if crash necessitates deployment of side airbags, second impact to front of vehicle may not command front airbags to also deploy which can result in occupant injury. Correct by updating airbag control unit software.

14V-790 12-15-14 Volkswagen Jetta 2015 25,007

**Brief Description of Defect:**
Mfg. Campaign No. 57F6 - Light/FMVSS 108. DOM: 7/14-11/14. Due to incorrect software within headlight control module, low beam headlights may turn off when high beam lights are turned on. Light output from headlights may be insufficient. Vehicles fail to meet FMVSS 108. Insufficient headlight output may result in crash. Correct by updating headlight control module software.

15V-200 04-03-15 Audi Q3 2015 3,646

**Brief Description of Defect:**
Mfg. Campaign No. 60C1 - Sunroof. DOM: 4/14-11/14. If vehicle is turned off while sunroof is closing, sunroof may continue to close instead of stopping. Vehicles fail to meet FMVSS 118. If sunroof is closing while vehicle is shut off, occupant in its path may be injured. Correct by updating sunroof control module software.

15V-452 07-20-15 Audi SQ5 2014-15 5,625

**Brief Description of Defect:**
Mfg. Campaign No. 48M1 - P/Steering. DOM: 5/13-4/15. Vehicles have electric power steering assist system that may shut down in cold temperatures due to steering motor sensor fault. If vehicle experiences loss of power steering assist, extra steering effort will be required at lower speeds, increasing risk of vehicle crash. Correct by updating power steering control module software.
Volvo Trucks of North America, Inc. (Volvo White GMC Truck Corp., Volvo GM Heavy Truck Corp.)

14V-356 06-20-14 Volvo VNL 2011-15 1,025
VNM 2014-15

**Brief Description of Defect:**
Mfg. Campaign No. RVXX1402 - Cruise control. DOM: 11/10-2/14. On trucks with enhanced cruise control and without side fairings, active braking component of enhanced cruise control can become disabled. If active braking feature becomes disabled, vehicle may not automatically activate brakes when enhanced cruise control system is in use, resulting in crash. Correct by updating control unit software.

14V-557 09-11-14 Volvo VNL, VNX 2015 46

**Brief Description of Defect:**
Mfg. Campaign No. RVXX1404 - ECM. DOM: 1/14-6/14. On trucks with D16 engine, engine control unit may have incorrect parameter setting in software. Engine may stall while driving and result in crash. Correct by updating engine control unit software.

14V-739 11-18-14 Volvo VHD 2012, 2014-15 6,234
VNL 2012-15
VNM 2014-15

**Brief Description of Defect:**
Mfg. Campaign No. RVXX1406 - Drivetrain software. DOM: 6/11-8/14. Trucks with Eco-roll option may fail to re-engage vehicle drivetrain after using Eco-roll feature. If drivetrain does not re-engage, vehicle's stopping distance may be lengthened, resulting in crash. Correct by updating Eco-roll software.

15V-274 05-11-15 Volvo VNM 2012-16 185

**Brief Description of Defect:**
Mfg. Campaign No. RVXX1502 - Crankcase. DOM: 3/11-4/15. Excessive engine crankcase pressures may cause 90-degree elbow of vent tube assembly to detach from crankcase ventilation breather, allowing engine oil to come into contact with hot surfaces and result in fire. Correct by securing ends of 90-degree elbow and reprogramming electronic control module to adjust engine output under misfire conditions to limit crankcase pressures.

Wheeled Coach Industries, Inc.

14V-193 04-16-14 Wheeled Coach Ambulance-M2 Chassis 2010 84
T1, T2, T3 2013-14

**Brief Description of Defect:**
Mfg. Campaign No. N/A - Electrical timer. DOM: N/A. On ambulances, with ECX timer part number El00230, timer may experience momentary loss of power when starting vehicle. Momentary loss of power may cause timer to begin five minute countdown, after which timer would disconnect power supplied to electrical systems in patient area of vehicle, resulting in injury to occupants. Correct by updating timer software.
Winnebago Industries, Inc

15V-008  01-12-15  Winnebago  Itasca Viva, Travato,  2014-15  1,107
Trend

Brief Description of Defect:
Mfg. Campaign No. P62 - TPMS/FMVSS 108. DOM: 11/13-12/14. Due to software error, tire pressure monitoring system (TPMS) may fail to learn locations of individual sensors while vehicle is being driven. Low tire pressure warning light will illuminate, despite tire pressures being within specification. Should one of tires lose air pressure, driver would not be notified of change in air pressure. Vehicles fail to meet FMVSS 138. If TPMS light illuminates because sensors cannot be located, it could mask actual low tire pressure condition, result in tire failure and crash. Correct by updating body control module software.