

INTRODUCTION

Federal regulations require motor vehicle manufacturers to report to EPA all recalls that affect emission-related components or systems. The following report briefly describes light-duty vehicle recalls reported to EPA that affect emission-related components or systems. Note that some of the recalls listed in this report fix problems that do not impact emission control performance even though they involve the repair or replacement of emission-related parts. Manufacturers voluntarily recall vehicles for various reasons, such as safety or customer satisfaction, but if they affect emission-related parts, they still must be reported to EPA. They are all considered “emission-related” for the purposes of this report.

This report is divided into two sections. The first section is titled, “Emission-Related Recalls”. These are the typical recalls where the manufacturer recommends that the owner bring the car in for repair under the recall. In this case, the owner should not wait until the problem is apparent before getting the vehicle fixed. The second section titled, “Emission-Related Voluntary Service Campaigns”. Under EPA rules, these are still considered recalls, but are listed separately because the manufacturer is telling the owner to bring the car in for repair only if the problem is apparent (such as a warning light, noise, drive problem, etc.). There is usually a warranty extension associated with these types of recalls. Note that the manufacturer might not call a voluntary service campaign a “recall” in the owner or dealer notifications.

Recalls can be initiated voluntarily by the manufacturer or can be ordered by EPA. Voluntary recalls could also be directly influenced by EPA. Influenced recalls are those where EPA has had a direct role in convincing the manufacturer to voluntarily recall the vehicles. Because EPA is fairly successful at influencing recalls, ordered recalls are extremely rare. This report indicates these categories in the “Type” column. A “V” designation is a voluntary recall without direct EPA influence, an “I” designation is a voluntary recall that was directly influenced by EPA, a “VSC” designation is a voluntary service campaign not directly influenced by EPA, and an “I-VSC” designation is a voluntary service campaign directly influenced by EPA. If there is an ordered recall, the type will be designated with an “O”.

It should also be noted that recalls may not include all of the vehicles in the described year, model, and engine family. Some recalls are specific to subsets of these categories because the problem or defect only affects part of a production run. The specific vehicles subject to a recall are identified by the manufacturer in the technical service bulletins provided to the repair facilities. These are usually listings based on the Vehicle Identification Number, or VIN, that is stamped on each vehicle. You should direct any questions regarding your vehicle’s inclusion in a recall to the dealer repair facility. If there are still issues or problems, direct these to EPA at the e-mail address: vehicle-recalls@epa.

Abbreviations and Acronyms

Acronym/Term: Definition:

CARB	California Air Resources Board
CFV	Clean Fuel Vehicle
DTC	Diagnostic Trouble Code
ECU	Engine Control Unit
ECM	Engine Control Module
EGR	Exhaust Gas Recirculation
MIL	Malfunction Indicator Light
MY	Model Year
NHTSA	National Highway Traffic Safety Administration
NLEV	National Low Emission Vehicle
OBD	On-Board Diagnostics
PCM	Powertrain Control Module
TCM	Transmission Control Module
TSB	Technical Service Bulletin
VECI	Vehicle Emission Control Information
VERR	Voluntary Emissions Recall Report

Recall Type: Definition:

O	Ordered by EPA
V	Voluntary Recall by Manufacturer
VSC	Voluntary Service Campaign by Manufacturer
I	Manufacturer voluntary action with EPA Influence

Section 1: Emission-Related Recalls

New recalls during 3rd Quarter 2010:

<u>Manufacturer</u>	<u>EPA#</u>
BMW	4085
GM	4076
Honda	4048
Mitsubishi	4099
Nissan	4060
Subaru	4091
Suzuki	4073
Volvo	4087

2010 Emissions-Related Recall Campaigns through September 2010

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
BMW	10E-A01	4085	V	9/14/2010	2006 2007	750i, 750Li	6BMXV04.8UL2 7BMXV04.8UL2	BMW 750i/750Li have a software error such that communication between the Engine Control Unit (ECU) and certain generic scan tool equipment is not possible. Remedy: BMW centers will reprogram the vehicle's ECU.	625 325	950
Cummins	J22	3862	V	3/24/2010	2009	Dodge Ram 2500	9CEXD06.78VV	Chrysler has determined that some trucks were built with a non-compliant powertrain configuration (4.10 gear ratio) which may exceed Federal emissions regulations Remedy: Dealers will replace the ring and pinion in the axle(s) with the correct 3.73 axle ration.	157	157
Cummins	2010-02-C	3379	V	4/23/2010	2007 2008 2009	Dodge RAM 2500/3500	7CEXK06.7TXW 7CEXK06.7UXW 7CEXK040838W 7CEXK040848W 8CEXK06.7TXW 8CEXK06.7UXW 9CEXD06.78VV 9CEXD06.78WV	Fault code P2262 may be triggered in some vehicles because of failure of the turbocharger variable geometry mechanism to open or close as commanded by the Engine Control Module (ECM). Investigation shows that excessive soot build up inside turbocharger is most likely the cause of such open or close failures. Remedy: Cummins has implemented changes to the ECM software which reduce the soot accumulation in the turbocharger. All the vehicles in the field will be recalibrated with this improved software as part of the G30 recall campaign being conducted for OBD-related issues.	25,377 23,473 5,054 3,829 44,905 28,786 17,041 11,960	160,425
GM	10022	3983	V	2/12/2010	2010	Cadillac SRX	AGMXJ02.8161	GM has found that certain vehicles equipped with a 2.8L turbo-charged engine were built with an incorrect Vehicle Emissions Control Information (VECI) label. The label misidentifies the emissions test group. Remedy: The dealerships will install a new VECI label.	865	865
GM	10149	2984	V	6/1/2010	2006	Trailblazer, Rainier, Envoy, Ascender Cobalt, ION DTS, Hearse/Limo, Lucerne	6GMXT04.2186 6GMXV02.2030 6GMXV04.6066	Certain 2006 GM and Isuzu vehicles equipped with 2.2L, 4.2L and 4.6L engines and Secondary Air Injection Reaction (SAIR) systems have a condition in which the SAIR system and diagnostics are disabled without MIL illumination because of a short in the SAIR pump or valve relay driver circuit. Remedy: A production running change was implemented for the Cadillac DTS and Buick Lucerne vehicles in March 2006. The issue was corrected for all other vehicles affected before the start of 2007 MY production. Corrected calibrations for vehicles involved have been available to GM dealers and authorized service providers.	2,777 2,211 151	5,139
GM	10136	4076	V	7/27/2010	2007 2008 2009 2010	VUE Hybrid Aura Hybrid Aura/Malibu Hybrid VUE Hybrid VU Ehybrid Aura/Malibu Hybrid VUE Hybrid VUE Hybrid Aura/Malibu Hybrid	7GMXT02.4130 7GMXV02.4040 8GMXV02.4040 8GMXT02.4130 8GMXT02.4135 9GMXV02.4040 9GMXT02.4135 9GMXT02.4130 AGMXV02.4040	The hybrid function on affected vehicles may become inoperative. If this occurs, a "Check Engine" light will illuminate on the instrument panel or a "Service Hybrid" message will appear in the Driver Information Center. The engine will run in the gasoline engine mode and fuel economy would be reduced. Remedy: The hybrid batteries will be replaced and the Engine Control Module (ECM) will be reprogrammed.	8,179 888 2,639 366 2,058 6,654 1,467 2,697 862	25,810
Honda	R42	4048	V	7/30/2010	2006 2007 2008	Civic Hybrid	6HNXV01.3XCP 7HNXV01.3JCP 8HNXV01.3ZCP	The Integrated Motor Assist (IMA) may deteriorate and eventually fail before its normal usable life is reached. Frequent stop-and-go driving with A/C use during warm weather speeds up the IMA battery deterioration. Remedy: Dealers will update the IMA battery software to help prevent early IMA battery deterioration.	31,123 32,495 31,993	95,611
Jaguar	K050 J016	3970	V	11/26/2009 (Recall letter dated 1/29/2010 was received on 4/20/2010)	2010	XF	AJCXV04.2DNK	Under certain driving conditions vehicles may suffer fuel starvation while showing a fuel level of just less than 1/4 tank still available on the gauge. This may lead to engine stumble followed by engine cutout with minimal warning and could cause an accident. At cutout, power steering assist will be lost at the point the rear wheels are disengaged from the engine. A restart will not be possible until the vehicle is refueled. Remedy: Jaguar dealers will revise the fuel transfer tube to the correct specification.	3,122	3,122

2010 Emissions-Related Recall Campaigns through September 2010

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
Mitsubishi	SR-10-002 (Salt-belt and Cold regions)	4099	V	7/6/2010	2004	Endeavor	4DSXT03.8GRB 4DSXT03.8GRD	Vehicles being operated where road salt is used or in cold conditions have a condition where road debris mixed with salt can become trapped between the fuel filler pipe and the reinforcing bracket potentially causing corrosion. Over time corrosion could damage the fuel filler pipe resulting in fuel leakage when refueling the vehicle. Remedy: At locations where these conditions exist, dealerships will inspect vehicles to determine if it already has an improved fuel filler pipe with corrosion protection coating. If necessary, dealerships will install an improved fuel filler pipe.		26,135
Nissan/Infiniti	NE-2-27-10	3995	V	3/22/2010	2006 2008	Frontier, Xterra, Pathfinder	6NSXT02.5G5A 6NSXT04.0G6A 8NSXT02.5G5A 8NSXT04.0G6A 8NSXT05.6G9A	The surface material used on certain fuel level sending unit potentiometer cards can wear down the contact brush. The resulting powder from abrasion can contaminate the potentiometer card. This causes the instrument panel fuel gauge to inaccurately display that the vehicle still has some fuel, typically about one quarter tank, when the fuel tank is empty. Remedy: Nissan dealers will replace the fuel sending unit inside the fuel tank with a new one having the improved sender card. This recall is a safety-related recall as well as an emission-related recall.	4,061 35,083 1,775 39,501 250	80,670
Nissan/Infiniti	NE-2-26-10	3996	V	3/22/2010	2005 2006 2007 2008 2009	Titan Titan Titan/Armada/QX56 Titan Titan Titan/Armada/QX56 Titan Titan Titan/Armada/QX56 Titan/Armada Titan/Armada/QX56 Titan/Armada Titan/Armada/QX56 Titan/Armada	5NSXT05.6M9A 5NSXT05.6M9B 5NSXT05.6P9A 5NSXT05.6P9C 6NSXT05.6M9A 6NSXT05.6M9B 6NSXT05.6P9A 6NSXT05.6P9B 7NSXT05.6G9A 7NSXT05.6G9B 8NSXT05.6G9A 8NSXT05.6G9B 9NSXT05.6G9A 9NSXT05.6G9B	The molded fuel tank shells are approximately 1mm thinner than specification in the area of the sender unit. This allows the tank floor shape to deform causing the fuel sender unit to skew the fuel gauge indicator to read more full than it is. Remedy: Nissan will replace the fuel sender unit inside the fuel tank with a new one having a modified float arm. This recall is a safety-related recall as well as an emission-related recall.	3,304 8,231 13,722 4,166 17,464 26,419 61,033 14,912 37,188 34,820 56,258 44,225 8,408 10,054	340,204
Nissan/Infiniti	NE-6-21-10	4060	V	7/19/2010	2011	M56	BNSXV05.6G9A	Some vehicles have been equipped with an improperly functioning On-Board Diagnostics (OBD) system that will most likely illuminate the Malfunction Indicator Light (MIL) when a malfunction does not exist. Remedy: Infiniti will reprogram the Engine Control Module (ECM) in these vehicles.	643	643
Subaru	WVN-24	3895	V	1/4/2010	2007 2008	Forester	7FJXB02.5NVD 8FJXB02.5NVD	Under certain severe driving patterns, such as high speed highway, up hill or high engine revolutions, the efficiency of the catalytic converter may begin to degrade beyond design parameters. Also, the one-way fuel valve located in the fuel tank may not perform as intended and could cause a condition that may damage the catalytic converter. Remedy: Subaru has developed a modification to the Engine Control Module (ECM) to address the first condition and will permanently remove the one-way fuel valve from the fuel tank.	2,367 1,202	3,569
Subaru	WVT-30	4091	V	8/20/2010	2011	Legacy, Outback Legacy, Outback, Impreza Legacy, Impreza Legacy, Outback Legacy, Outback	BFJXJ02.5NVD BFJXJ02.5MXG BFJXJ02.5PHL BFJXJ03.6TGK BFJXJ03.6WFJ	Subaru has developed a modification to the Engine Control Module (ECM) software logic that will improve the performance of the vehicle's emission control system. Remedy: Subaru suggests that owners schedule an appointment to have the vehicle's ECM software reprogrammed.	13,935 7,932 51 551 2,118	24,587

Section 2: Emission-Related Voluntary Service Campaigns

New Voluntary Service Campaigns during 3rd Quarter 2010:

<u>Manufacturer</u>	<u>EPA#</u>
BMW	4063
Mercedes	4078
Mitsubishi	4099
Porsche	2993 2999
Toyota	3992

2010 Emissions-Related Voluntary Service Campaigns through September 2010

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
BMW	10E-W02	4063	VSC	8/10/2010	2007 2008 2009	Mini Cooper	7BMXV01.6LE2 8BMXV01.6LE2 9BMXV01.6LER	A potential problem could affect the durability of the high-pressure fuel pump. The Service Engine Soon lamp may illuminate and drivers may experience reduced engine performance. Remedy: MINI will extend the warranty for the high-pressure fuel pump to 10 years or 120,000 miles from the original in-service date whichever occurs first.	16,923 18,264 11,397	46,584
Chrysler	X22	3898	VSC	7/6/2010	2003	Cadillac SRX	3CRXA0287H40 3CRXT04.75H0 3CRXT04.75H1 3CRXA0287H41 3CRXA0287J40 3CRXT04.72D1 3CRXT04.76H0	Chrysler determined that a generic scan tool may report the catalyst monitor readiness status as "not supported" even though the monitor is fully operational. Remedy: Chrysler will provide a lifetime warranty to reprogram the Powertrain Control Module (PCM) on affected vehicles.	11,718 90 18 2,117 15,912 1,876 57	31,797
GM	08020	3705	VSC	1/21/2010	2004 2005 2006 2007	Saturn Ion Saturn Ion, Chevrolet Cobalt Saturn Ion, Chevrolet Cobalt Saturn Ion, Chevrolet Cobalt	4GMXV02.0018 5GMXV02.0018 6GMXV02.0018 7GMXV02.0018	Catalytic converters on some vehicles equipped with 2.0L 4-cylinder supercharged engines may fail, illuminating the Malfunction Indicator Light (MIL) and/or causing a lack of engine power. Remedy: GM is providing a warranty extension for the catalytic converter to 10 years/120,000 miles, whichever comes first.	2,366 3,937 8,358 4,231	18,892
GM	09205	3940	VSC	3/10/2010	2006	Cadillac SRX, STS, CTS 3.6L Cadillac CTS 2.8L	6GMXB03.6149 6GMXB03.6149	Some 2006MY vehicles equipped with a 3.6L or 2.8L engine may have a condition where the evaporative emission canister purge solenoid valve may stick open or closed. Remedy: A special coverage warranty extension to 10 years/120,000 miles (whichever comes first) will be implemented for the evaporative emission canister purge solenoid valve.	54,703 16,370	71,073
GM	09275A	3969	VSC	3/16/2010	2006 2007	Chevrolet Cobalt, Saturn Ion	6GMXV02.0018 6GMXV02.2030 6GMXV02.4029 7GMXV02.0018 7GMXV02.4029	Some vehicles have a condition in which the plastic supply or return port on the modular reservoir assembly may crack. If either of these ports develops a crack fuel will leak from this area. There may be a fuel odor. If the crack becomes large enough fuel may noticeably leak onto the ground. Remedy: A special warranty coverage extension to 10 years/120,000 miles (whichever comes first) will be implemented for certain other vehicles registered in warm weather climates.	2,817 20,828 89,453 343 1,500	114,941
Mercedes	2010-4-O2-Sensor	4078	VSC	9/3/2010	2008	ML350 and R350 ML550, GL450 and 550 ML63	8MBXB03.5U2A 8MBXB05.5U2A 8MBXB06.3L2A	A production quality issue at the supplier during the crimping process for the upstream O2 sensor may not assure a consistent electrical connection. When the On-Board Diagnostic (OBD) system detects this for the first time a pending fault code is stored. When the failure is confirmed in the next driving cycle the Malfunction Indicator Lamp (MIL) is illuminated. Remedy: The emission warranty for both upstream O2 sensors is extended to 10 years and unlimited mileage.	36,962 27,528 954	65,444
Mitsubishi	SR-10-002 (non-salt-belt, non-Cold regions)	4099	VSC	7/6/2010	2004	Endeavor	4DSXT03.8GRB 4DSXT03.8GRD	Vehicles being operated where road salt is used or in cold conditions have a condition where road debris mixed with salt can become trapped between the fuel filler pipe and the reinforcing bracket potentially causing corrosion. Over time corrosion could damage the fuel filler pipe resulting in fuel leakage when refueling the vehicle. Vehicles operating those conditions are being covered by a recall. (See Recall Campaigns section of this report.) Vehicles not operated in those conditions are being covered by a warranty extension. Remedy: At locations in non-Salt-belt or non-Cold regions Mitsubishi will extend warranty coverage of the fuel filler pipe to 10 years or 150,000 miles.		29,978

2010 Emissions-Related Voluntary Service Campaigns through September 2010

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
Porsche	SR-10-002	2993 2999	VSC	8/1/2010 7/29/2010	2004 2005 2006 2008 2009 2010 2003 2004 2005 2006	Cayenne 911 Turbo Cayenne Turbo Cayenne S Cayenne Turbo Cayenne S Cayenne Turbo Cayenne S Cayenne Turbo	4PRXT03.26E1 5PRXT03.26E1 6PRXT03.26E1 8PRXT03.66ED 9PRXT03.66ED APRXT03.66ED 3PRXT04.5SE1 3PRXT04.5TE1 4PRXT04.5SE1 4PRXT04.5TE1 5PRXT04.5SE1 5PRXT04.5TE1 6PRXT04.5SE1 6PRXT04.5TE1	There are a number of problems traced to the ignition coils that are causing vehicles to run rough. These problems include coils corroded or cracked, shorts in the ignition coil, wiring shorts, loose coils or short circuit in the condenser. Remedy: The ignition coils have been improved and Porsche is extending the warranty on these new ignition coils to 4 years/50,000 miles from the first date of the installation of the improved parts, whichever occurs first.	4,206 5,037 6,204 8,402 4,554 2,329 988 318 15,527 4,294 6,011 2,469 8,904 2,549	71,792
Toyota	T-SB-0156-10	3992	VSC	7/15/2010	2001 2002 2003	RAV4	1TYXT02.0FFH 2TYXT02.0FFH 3TYXT02.0FFH	As a result of a condition in the manufacturing process of the Engine Control Module (ECM) vehicles equipped with an automatic transaxle may exhibit harshness in shifting operations during acceleration. Remedy: Toyota is offering an enhancement to the warranty coverage for this condition. This enhancement is offered for a period of 10 years or 150,000 miles.	83,300 91,500 74,700	249,500
VW	VWP-10-04	3958	VSC	4/21/2010	2004 2005	Golf, Jetta, Beetle Beetle Golf, Jetta, Beetle	4VWXV02.0223 4VWXV02.0224 5VWXV02.0223	Production deficiencies affecting the catalytic converter could make the converter susceptible to degraded performance. Remedy: VW will diagnose and replace the catalytic converter, if necessary, within limits if the warranty extension to 10 years / 120,000 miles	62,383 14,772 28,035	105,190

Total number of Vehicles affected by Voluntary Service Campaigns: 805,191

SUMMARY	
Total number of Vehicles affected by Recalls and Voluntary Service Campaigns:	2,028,962
Total number of Voluntary Recalls:	16
Total number of Voluntary Service Campaigns:	10
Total number of Recalls and Voluntary Service Campaigns:	26