

2009 Annual Summary of Emission-Related Recall and Voluntary Service Campaigns Performed on Light-Duty Vehicles and Light-Duty Trucks



2009 Annual Summary of Emission-Related Recall and Voluntary Service Campaigns Performed on Light- Duty Vehicles and Light-Duty Trucks

Compliance and Innovative Strategies Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

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 4th Quarter 2009:

<u>Manufacturer</u>	<u>EPA#</u>
BMW	3765
Chrysler	3748 3802
GM	3624
Hyundai	3591
Jaguar	3536
Kia	3592
Mitsubishi	3897
Nissan	3799 3903
Subaru	3754 3850 3894
VW	3697 3727

2009 Emissions-Related Recall Campaigns through December 2009

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	08E-A03	3313	V	5/1/2009	2002 2003 2004 2005 2006	M3, M3 Cabrio, M Roadster, M Coupe M3, M3 Cabrio M3, M3 Cabrio M3, M3 Cabrio	2BMXV03.2S54 3BMXV03.2S54 4BMXV03.2S54 5BMXV03.2S54 6BMXV03.2S54	Certain vehicles have a software error such that the Digital Motor Electronics (DME) programming may cause the Onboard Diagnostic (OBD) to erroneously evaluate the emissions performance of the catalytic converter and causing the "Service Engine Soon" light to illuminate prematurely. Remedy: BMW will reprogram the DME control module with an improved version of the software.	10,404 8,964 8,632 5,471 4,394	37,865
BMW	09E-A01	3688	V	5/20/2009	2007 2008	Mini Cooper	7BMXV01.6UL2 8BMXV01.6UL2	On certain Mini vehicles the catalytic converter may deteriorate causing an increased level of vehicle emissions. Remedy: Mini will inspect, and if necessary, replace the catalytic converter with an improved version.	14,880 650	15,530
BMW	09E-A02	3765	V	9/29/2009	2009	335d	9BMXV03.0M57	Particulate matter filters with the wrong ceramic substrates were installed on a small number of vehicles. Remedy: Dealers will inspect and, if necessary, replace the diesel particulate filter with an improved version.	440	440
Chrysler	2008-44E H43	3640	V	2/1/2009	2009	Dodge Caliber SRT4	9CRXV02.42P0	The original Vehicle Emissions Control Label (VECI) does not include the required identifier for vehicles built with a turbocharged engine. Remedy: Chrysler is sending corrected VECI labels to vehicle owners to be applied to the affected vehicles.	140	140
Chrysler	2009-03E J04	3698	V	3/11/2009	2009	Dodge RAM 1500	9CRXT05.74P1	An inapplicable Vehicle Emissions Control Information (VECI) label was affixed to some Ram 1500 vehicles. Remedy: Chrysler will conduct a voluntary emissions recall (J04) to replace the VECI label on the affected vehicles.	597	597
Chrysler	2009-04E J03	3699	V	3/19/2009	2009	Chrysler Sebring, Dodge Avenger Chrysler Sebring, Dodge Avenger Dodge Nitro Dodge Grand Caravan, Chrysler Town & Country, VW Routan Dodge Grand Caravan, Chrysler Town & Country, VW Routan	9CRXV02.7JNA 9CRXV02.7BR0 9CRXV04.02P0 9CRXV04.0CR0 9CRXV04.0TNO	On certain vehicles equipped with 2.7L and 4.0L engines the Positive Crankcase Ventilation (PCV) valve may have an incorrect flow characteristic. Two shipments of PCV valves from the Tier 2 supplier consisted of mixed stock. Remedy: Chrysler will conduct a voluntary emissions recall (J03) to inspect the potentially affected vehicles and to replace any incorrect PCV valves found.	793 343 30 407 897	2,470
Chrysler	2009-05E J02	3700	V	3/20/2009	2009	Chrysler Sebring, Dodge Avenger	9CRXV02.4UP0	Certain vehicles intended for sale in the United States territories of Puerto Rico and the Virgin Islands may have been built with a flexible fuel capable fuel pump module instead of the standard fuel pump module. This fuel pump may not be compatible with the instrument cluster software and overstates the fuel level by 1/4 tank. The vehicle could run out of fuel unexpectedly as a result. Remedy: Chrysler will conduct a recall (J02) to replace the fuel pump module.	91	91
Chrysler	2009-06E J05	3701	V	4/8/2009	2007	Dodge RAM	7CRXT0287P80	The Powertrain Control Module (PCM) may not be able to detect a completely blocked Exhaust Gas Recirculation (EGR) valve or passage. Without this ability a blocked valve or passage may cause the engine to emit nitrogen oxides at levels which may exceed California Emissions Standards. Remedy: Chrysler dealers will reprogram your vehicle's Powertrain Control Module.	10,069	10,069
Chrysler	2009-10-E H45	3732	V	4/6/2009	2005	Dodge Durango	5CRXT03.75S0 5CRXT04.75J0 5CRXT04.76U0 5CRXT05.75J1	The fuel tank inlet check valve may stick in the open position. This can cause fuel to spill out of the filler tube when the vehicle is being refueled. Fuel in the presence of an ignition source can result in a fire. Remedy: Chrysler dealers will test the vehicle's inlet check valve and replace the fuel tank if necessary.	2,187 1,720 6,069 9,104	19,080

2009 Emissions-Related Recall Campaigns through December 2009

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
Chrysler	2009-13-E J16	3755	V	6/5/2009	2007	Chrysler Pacifica	7CRXB0241M80	The Powertrain Control Module (PCM) on these vehicles may not adequately control nitrogen oxide emission levels under certain operating conditions. Remedy: Chrysler dealers will reprogram the vehicle's PCM.	9,954	9,954
Chrysler	2009-01-E J18	3694	V	7/7/2009	2003 2004	Concorde, 300M, Dodge Intrepid	3CRXV03.5VD0 4CRXV03.5VM0	A defect in the camshaft position sensor software could ultimately cause damage to the catalytic converters. Remedy: Chrysler will update the Powertrain Control Module (PCM) calibration to prevent damage to the catalytic converters.	30,119 46,833	76,952
Chrysler	2009-21-E J23	3852	V	9/25/2009	2009	Dodge Journey	9CRXV02.4UP0	Some vehicles were produced with a fuel Flow Control Valve (FCV) and Powertrain Control Module (PCM) software intended for vehicles without FCV. Over time this may cause the FCV to fail. A failed FCV could cause engine damage. Remedy: Chrysler dealers will replace the PCM.	8	8
Chrysler	2009-12-E (J06)	3748	V	10/19/2009	2009	Dodge Ram	9CRXT03.71P0 9CRXT03.7CR1 9CRXT04.71PA 9CRXT05.74P1 9CRXT05.7VP1	The windshield washer fluid level sensor may leak allowing washer fluid to wick through the wiring harness to the ambient temperature sensor. This can damage the ambient temperature sensor and cause illumination of the MIL or may result in non-functional low washer fluid warning lamp. Remedy: Chrysler will replace the washer fluid sensor, ambient temperature sensor and install a wiring harness overlay package.	622 71 4,000 11,302 5	16,000
Chrysler	2009-01a-E (J18)	3802	V	7/7/2009	2003 2004	Chrysler Concorde/300M, Dodge Intrepid	3CRXV03.5VD0 4CRXV03.5VM0	The catalytic converters on these vehicles may become damaged from continued operation in "limp-in" mode following a camshaft position sensor fault. Remedy: Chrysler dealers will reprogram the Powertrain Control Module (PCM).	30,119 46,883	77,002
General Motors	MW335 08411	3796	V	5/18/2009	2009	Chevrolet Colorado, GMC Canyon Chevrolet Avalanche/Tahoe/Suburban, GMC Yukon Chevrolet Tahoe, GMC Yukon, Cadillac Escalade Chevrolet Avalanche/Tahoe/Suburban, GMC Yukon Chevrolet Tahoe Hybrid, GMC Yukon Hybrid, Cadillac Escapade Hybrid Chevrolet Avalanche/Suburban,	9GMXT02.9189 9GMXT03.7187 9GMXT05.3376 9GMXT05.3373 9GMXT06.2375 9GMXT02.9190 9GMXT03.7188 9GMXT05.3377 9GMXT05.3380 9GMXT05.3381 9GMXT06.2374 9GMXT05.3384 9GMXT06.0392 9GMXT06.0382	The fuel system control modules on certain vehicles may have a condition in which an adhesive separation of the Room Temperature Vulcanizing seal may allow water to seep into the module. Water in the module could cause a short; illuminate the MIL; make the engine hard to start (or not start), or stall. Remedy: GM will install a new fuel system control module.	4,392 2,612 373 4,184 3,682 1,884 1,115 105 67 2,081 1,969 829 3,842 45	27,180

2009 Emissions-Related Recall Campaigns through December 2009

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
General Motors	MW343 09102	3816	V	6/1/2009	2008	Chevy Tahoe Hybrid, GMC Yukon Hybrid Chevy Tahoe/Silverado Hybrid, GMC Yukon/Sierra Hybrid, Cadillac Escalade Hybrid	8GMXT06.0392	On these hybrid vehicles, the current battery voltage reading, which determines battery charge, may be incorrect. This could cause a Service Engine light to illuminate and the vehicle may shut down at low speeds when the vehicle is attempting to transition from electric mode to gasoline engine mode. The vehicle can be restarted, however, it will likely continue to shut down until the voltage error is corrected. Remedy: GM dealers will reprogram hybrid-related modules.	8,505	18,353
					2009		9GMXT06.0392		9,848	
General Motors	08285	3624	V	9/29/2008 (Rec'd VERR 2/3/2009)	2009	Saturn Outlook, Buick Enclave, GMC Acadia	9GMXT03.6151	Some vehicles may have been built with a section of the fuel tank seam that was not formed in accordance with the manufacturing specifications, possibly causing evaporative emission leaks. Remedy: GM dealers will inspect, and if necessary, replace the fuel tank.	884	884
Honda/Acura	09-005 SB09-053	3750	V	7/30/2009	2007	Odyssey/Pilot Odyssey Odyssey	7HNXT03.5VKR	A transmission judder (vibration) may sometimes be felt between 20-45 MPH. If the software is not reprogrammed the judder can increase over time. Remedy: Dealers will reprogram the software used to control the transmission to minimize the vibration.	208,080	403,592
					2008		8HNXT03.54KR		136,117	
					2009		9HNXT03.5J29		59,395	
Honda/Acura	09-004	3751	V	6/19/2009	2009	Civic Hybrid	9HNXV01.3CDH	In areas where there is extreme cold, the Integrated Motor Assist (IMA) battery monitoring system may incorrectly indicate a problem with the IMA battery. If the monitoring system causes the check engine light and IMA indicator light stay on, the IMA motor will not operate and the vehicle will run with the gas engine only. Remedy: Dealers will reprogram the IMA battery monitoring system software.	2,872	2,872
Hyundai	086	3591	V	9/1/2008 (Rec'd VERR 2/11/2009)	2008	Elantra	8HYXV02.0HW5 8HYXV02.0HPC	The fuel pump motor may not have the proper uniform internal electrical surface contact. This may cause the fuel pump to produce less pumping pressure that required to supply the fuel injection system. Poor engine starting and hesitation may result. Remedy: Hyundai dealers will replace the vehicle's fuel pump subassembly.	40,519 25,095	65,614
Jaguar	J004	3536	V	12/1/2008 (Rec'd VERR 10/30/2009)	2004	S-Type, X-Type, XK8, XKR, S-Type, XJ8, XJR	4JCXV03.0DNE	The On-Board Diagnostics (OBD) system may not correctly detect tailpipe or evaporative emissions failures and provide the applicable warnings to the driver. Remedy: Dealers will reconfigure Engine Control Module (ECM) and, where appropriate, the Transmission Control Module (TCM).	5,276	98,581
							4JCXV03.0DNG		24,800	
							4JCXV04.2DN9		991	
							4JCXV04.2DNF		17,637	
							4JCXV04.2DSA		564	
							4JCXV04.2DSB		2,664	
							5JCXV03.0DNE		8,862	
					2005	S-Type, X-Type, XK8, XJ8, VDP, XKFi, Super V8, XJR	5JCXV03.0DNE	6,064		
							5JCXV03.0DNE	5,208		
							5JCXV03.0DNE	1,755		
							5JCXV04.2DN9	10,520		
							5JCXV04.2DNF	724		
							5JCXV04.2DSA	2,346		
							5JCXV04.2DSB	5,981		
					2006	X-Type, XK8, XKFi	6JCXV03.0DNH	1,462		
							6JCXV03.0DNH	710		
							6JCXV04.2DSA	3,017		
					2007	X-Type	7JCXV03.0DNH			
Kia	SC074	3592	V	9/16/2008 (Rec'd VERR 2/11/2009)	2008 2009	Rondo	8KMXV02.4UW5 9KMXV02.4UW5	The fuel pump may not operate properly resulting in not enough fuel getting to the engine on some vehicles equipped with 2.4L engines. Poor engine starting, hesitation and other impairments may result and check engine light may illuminate. Remedy: Kia dealers will replace the vehicle's fuel pump sub-assembly with an improved part.	2,915 3,765	6,680

2009 Emissions-Related Recall Campaigns through December 2009

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
Land Rover	P012	3533	V	1/2/2009	2005 2006	LR3	5LRXT04.0001 6LRXT04.0001	A deficiency in the engine management software could cause an increase in nitrogen oxides emission levels. Remedy: A Voluntary Emissions Recall (P012) was issued to correct the engine management system calibration at no charge to the owners.	1,341 5,274	6,615
Mercedes-Benz	2009-060005	3838	V	8/1/2009	2005 2006 2007	SLK 350 ML/R 350 SLK 350 SLK/C 280, SLK/CLK 350 CLK350 SLK/C 280, SLK/CLK 350 C230 C280 C280	5MBXV03.5LTR 6MBXT03.5LTR 6MBXV02.5U2A 6MBXV02.5U2A 7MBXB03.5BN4 7MBXB03.5U2A 7MBXV02.5U2A 7MBXV03.0U2A 7MBXV03.5U2A	The fuel tank diagnosis system in certain vehicles may have been inadvertently deactivated during service, due to a software error. Remedy: Dealers will recode the Software Calibration Number (SCN) in affected vehicles.	6,481 971 2,288 6,587 4 7 98 186 1	16,623
Mitsubishi	SR-09-004	3897	V	9/29/2009	2008 2009	Lancer Evolution Lancer Ralliart/Sportback	8MTXV02.0GRB 9MTXV02.0GRB	A defect exists in the manner in which the fuel return pipe is attached to the engine. This may cause a stress crack to develop at the fixed portion of the fuel pipe. If this stress crack develops, fuel leakage may occur. Remedy: The dealership will install a new fuel return pipe with additional attachment brackets to better control pipe vibration.	5,416 1,466	6,882
Nissan/Infiniti	NE-03-05-09	3716	V	3/23/2009	2008 2009	Altima Hybrid	8NSXV02.5G3A 9NSXV02.5G3A	Due to a software irregularity, the Vehicle Identification Number (VIN) programmed in the Engine Control Module (ECM) may be overwritten. If this repair is not completed the vehicle will not complete an emissions Inspection/Maintenance test. Remedy: Nissan dealers will reprogram the ECM in the vehicles.	8,546 5,161	13,707
Nissan/Infiniti	R0902	3799	V	7/20/2009	2003 2004 2005 2006 2007	Murano	3NSXT03.5C7B 4NSXT03.5G7A 5NSXT03.5G7A 6NSXT03.5G7C 7NSXT03.5G7B	Under certain conditions the intake duct may separate from the resonator. This could cause minor idle fluctuation or poor acceleration. If this occurs and the vehicle continues to be driven without service the engine may stall while driving. Remedy: Nissan will replace the air intake duct with an updated part and replace the air duct clamps.	53,255 63,187 71,613 77,320 94,290	359,665
Nissan/Infiniti	NE-10-6-9	3903	V	11/2/2009	2010	Versa	ANSXV01.8G4A ANSXV01.8G1A	These vehicles are equipped with an improperly functioning on-board diagnostics system that may in some situations not illuminate a MIL when a malfunction exists. Remedy: Nissan will reprogram the Engine Control Module (ECM).	608 5,708	6,316
Subaru	WV1-19 (45-state) WVH-18 (5-state)	3417	V	6/19/2009	2005	Legacy, Outback	5FJXX02.5NKR	Under certain unique driving patterns, such as repeated acceleration/deceleration and/or continuous uphill driving at higher speeds the vehicle's catalytic converter may develop internal temperatures that exceed design parameters. If left uncorrected, this condition may eventually degrade the efficiency of the converter. Remedy: Subaru dealers will modify the Engine Control Module software logic to improve management of temperature within the catalytic converter.	31,098	31,098
Subaru	WV1-22	3754	V	10/23/2009	2005 2006 2007 2008	Forester, Impreza, Saab 9-2X Linear Forester, Impreza Forester, Impreza Forester	5FJXX02.5MJS 6FJXX02.5MTC 7FJXB02.5MTC 8FJXV02.5MTC	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: The one-way valve must be permanently removed from the fuel tank.	66,624 66,933 45,060 13,354	191,971
Subaru	WVJ-20	3850	V	10/23/2009	2005 2006	Baja, Baja Turbo	5FJXX02.5MJS 5FJXX02.5PGT 6FJXT02.5MJS 6FJXX02.5PGT	The plastic outlet pipe on the fuel pump may develop cracks and potentially cause a fuel leak. Remedy: Subaru will replace the fuel pump bracket which contains the outlet pipe.	4,822 3,560 5,837 1,913	16,132

2009 Emissions-Related Recall Campaigns through December 2009

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
Subaru	WVM-23	3894	V	10/23/2009	2006 2007 2008 2009 2010	Legacy, Outback Legacy, Outback, Forester Forester	6FJXX02.5NVD 7FJXB02.5NVD 8FJXB02.5NVD 8FJXB02.5NVJ 9FJXJ02.5NVD AFJXJ02.5NVD	Under certain severe driving patterns, such as high speed highway uphill driving and/or accelerating with high engine revolutions, the efficiency of the catalytic converter may begin to degrade beyond design parameters. Remedy: Subaru has developed a modification to the Engine Control Module (ECM) software logic that will improve management of the catalytic converter.	23,345 25,725 25,123 24,615 94,797 19,295	212,900
Toyota/Lexus	9LA	3693	V	2/2/2009	2006 2007 2008	Lexus IS250 Lexus IS350 Lexus GS300 Lexus IS250 Lexus IS350 Lexus GS300 Lexus IS250 Lexus IS350 Lexus GS300	6TYXV02.5PEA 6TYXV03.5PEB 6TYXV03.0WMB 7TYXV02.5BEA 7TYXV03.5BEB 7TYXV04.6BEA 8TYXV02.5BEA 8TYXV03.5BEB 8TYXV04.6BEA	These vehicles are equipped with aluminum Fuel Delivery Pipes (fuel rails). Lexus has determined that ethanol fuels with a low moisture content will corrode the internal surface of the fuel rails. As this condition progresses the Malfunction Indicator Light (MIL) may illuminate. Over time, the corrosion will create a pinhole resulting in fuel leakage. In the worst case fuel leakage in the presence of an ignition source could result in a fire. Remedy: Lexus dealers will replaced the involved Fuel Delivery Pipes with newly designed ones.	34,600 15,500 43,700 48,100 32,700 35,200 3,200 400 1,200	214,600
Toyota/Lexus	T-SB-0180-09	2198	V	8/7/2009	2001 2002 2003	Prius	1TYXV01.5LJ1 2TYXV01.5LJ1 3TYXV01.5LH1	Certain vehicles may exhibit low engine power or failure to start and a Malfunction Indicator Lamp (MIL) illumination due to Throttle Body carbon deposit build up. Remedy: Toyota dealers will clean the throttle body.	15,800 22,750 12,450	51,000
Volkswagen/Audi	28E6/R8	2789	V	7/24/2009	2004 2005 2006	GTI, Jetta, Beetle Passat Touareg GTI, Jetta, Beetle Passat Beetle, Golf	4VWVX01.9236 4VWVX02.0234 4VWVX05.0235 5VWVX01.9236 5VWVX02.0234 6VWVX01.9236	Diesel vehicles ceramic glow plugs may experience glow plug failures, as indicated by a Malfunction Indicator Light (MIL). Remedy: Dealerships will inspect and, if necessary, update engine glow plugs to metal glow plugs.	19,267 3,222 563 13,778 8,842 2	45,674
Volkswagen/Audi	24P9/P5	3704	I	7/24/2009	2004 2005 2006	Jetta, Beetle, Golf	4VWZV01.9236 5VWZV01.9236 6VWZV01.9236	The electronic control module (ECM) software can cause affected vehicles to exceed emissions standards. Remedy: Dealers will update the ECM software in affected vehicles.	11,251 6,927 2,329	20,507
Volkswagen/Audi	20P6/S2	3727	V	5/31/2009	2006 2007 2008 2009 2010	A3 Quattro A3 Quattro VW R32, Audi A3 Quattro and TT TT and A3 Quattro TT and A3 Quattro TT and A3 Quattro	6VWVX03.2535 7VWVX03.2535 8VWVX03.2535 9VWVX03.2535 9ADXV02.03UA AADXV02.03UA	Under certain conditions, the fuel tank ventilation valve may not remain fully closed causing liquid fuel to enter the venting system. This may cause the evaporative emission canister to saturate with fuel increasing evaporative emissions and causing a fire risk. Remedy: Dealers will install an improved fuel tank ventilation valve assembly kit on vehicles equipped with 3.2L engines.	1,307 1,197 4,051 525 2,794 337	10,211
Volkswagen/Audi	J1-28F2 P1-28F3	3697	V	10/23/2009	2004 2005 2006	Passat, W8 Jetta Jetta Audi TT Jetta, GTI, Passat & A3 Audi TT Audi TT A3 Quattro Jetta Jetta, Rabbitt, Beetle Jetta, Rabbitt, Beetle	4VWVX04.0229 5VWVX02.5253 5VWVX02.5257 5VWVX03.2220 6ADXV02.0366 6ADXV01.8346 6VWVX03.2220 6VWVX03.2535 6VWXT03.2275 6VWVX02.5253 6VWVX02.5257	Some vehicles may have ignition coils that could malfunction under certain conditions. If this happens the Malfunction Indicator Lamp (MIL) will illuminate. Remedy: Dealers will inspect and, if necessary, install new ignition coils.	478 29,359 14,636 1,196 85,559 723 476 1,307 7,810 81,028 31,956	444,265

2009 Emissions-Related Recall Campaigns through December 2009

Mfr.	Mfr. Recall Number	EPA#	Type	Owner Notification	MY	Vehicle or Engine Class	Engine Family	Problem Description	Affected Vehicles	Total Number of Vehicles Recalled
					2007	Q7, Touareg Jetta, GTI, Passat & A3 A6 and A4 Quattro A6 and A8 RS4 S6 and S8 Q7 and Touareg A3 Quattro Jetta, Rabbit, Beetle Jetta, Rabbit, Beetle Passat	7ADXT04.2358 7ADXV02.0366 7ADXV03.1374 7ADXV04.2365 7ADXV04.2375 7ADXV05.2385 7VWXT03.6276 7VWXV03.2535 7VWXV02.5253 7VWXV02.5257 7VWXV03.6246		8,644 60,192 10,569 3,373 1,225 1,239 16,832 888 57,386 25,871 3,518	

Total number of Vehicles affected by Recall Campaigns: 2,538,120

Section 2: Emission-Related Voluntary Service Campaigns

New Voluntary Service Campaigns during 4th Quarter 2009:

<u>Manufacturer</u>	<u>EPA#</u>
BMW	3468

2009 Emissions-Related Voluntary Service Campaigns through December 2009

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	09E-W01	3646	VSC	5/20/2009	2007 2008	335i,335xi,335Ci	7BMXV03.0N54 8BMXV03.0N54	There is a potential problem that could affect the durability of the high-pressure fuel pump. Remedy: BMW will extend the emissions warranty for the high-pressure fuel pump to 10 years or 120,000 miles whichever comes first.	45,000 73,500	118,500
BMW	09E-W02	3468	VSC	8/31/2009	2004 2005 2006	Mini Cooper, S Mini Cooper Mini Cooper	4MBXV01.6R50 5MBXV01.6R50 6MBXV01.6R50	Variations in the crimping process may lead to an electrical failure (open circuit) inside the oxygen sensor. Remedy: Mini will extend the emissions warranty for the oxygen sensor to 10 years or 100,000 miles and replace the oxygen sensor with an improved version within the new warranty period if the original fails.	31,200 47,600 51,400	130,200
General Motors	08300	3756	VSC	6/1/2009	2006 2007	Pontiac Solstice Pontiac Solstice, Sky	6GMXV02.4031 7GMXV02.4031	Some vehicles equipped with a 2.4L engine may have a condition where the Malfunction Indicator Lamp (MIL) illuminates and/or there is a lack of engine power. This may be caused by failure of the catalytic converter. Remedy: General Motors is providing owners with a warranty extension for the catalytic converter. If this condition occurs within 10 years of the date the vehicle was placed into service or 120,000 miles whichever comes first it will be repaired at no charge.	18,748 24,147	42,895

Total number of Vehicles affected by Voluntary Service Campaigns: 291,595

<u>SUMMARY</u>	
Total number of Vehicles affected by Recalls and Voluntary Service Campaigns:	2,829,715
Total number of Voluntary Recalls:	38
Total number of Voluntary Service Campaigns:	3
Total number of Recalls and Voluntary Service Campaigns:	41