



Air Resources Board



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*Acting Secretary for
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Edmund G. Brown Jr.
Governor

June 27, 2011

Mr. Jeffrey Buss
Environmental Protection Agency
75 Hawthorne Street, (AIR-2)
San Francisco, California 94105

Dear Mr. Buss:

Enclosed is a compilation of data prepared by the Bureau of Automotive Repair (BAR) to meet the requirements of CFR section 51.366 (a-d). This section requires the BAR to annually submit summary statistics of the enforcement mechanism, the quality assurance system, the quality control program, and the testing elements of the State's Smog Check Program. This report also includes separate summary statistics for diesel power vehicles added to the Smog Check Program in 2010. A list of program improvements and statutory and regulative changes are provided in compliance with the biennial reporting provision of CFR section 51.366 (e).

Please feel free to contact me should you have questions or comments regarding this submittal. You can reach me at (916) 323-1683, or by e-mail at jwallauc@arb.ca.gov.

Sincerely,

John Wallauch
Program Manager for Smog Check

Enclosure

cc: Ms. Sherry Mehl, Chief
Bureau of Automotive Repair
10240 Systems Parkway
Sacramento, CA 95827

Mr. Tom Cackette
Chief Deputy Executive Officer

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency

**I/M RULE SECTION 51.366 DATA ANALYSIS AND REPORTING
CALIFORNIA BUREAU OF AUTOMOTIVE REPAIR
CALENDAR YEAR 2010**

I/M Rule 51.366 Specifics		Data	Clarification
(a)	Test data report. The program shall submit to EPA by July of each year a report providing basic statistics on the testing program for January through December of the previous year, including:		Diesel powered vehicles are reported on separate pages from the gasoline powered vehicles, where applicable. Diesel powered vehicles receive OBD II, visual, and visible smoke tests. Exempt model year inspections are recorded, although infrequently, due to incorrect model year entry or for voluntary inspection reasons. Initial test counts include biennial, change of ownership, and out-of-state vehicles transferring to California.
(1)	The number of vehicles tested by model year and vehicle type;	Attachment A	
(2)	By model year and vehicle type, the number and percentage of vehicles:		
i	Failing initially, per test type;	Attachment A	
ii	Failing the first retest per test type;	Attachment A	
iii	Passing the first retest per test type;	Attachment A	
iv	Initially failed vehicles passing the second or subsequent retest per test type;	Attachment A	
v	Initially failed vehicles receiving a waiver; and	Attachment A	
vi	Vehicles with no known final Outcome (regardless of reason);	Attachment A	
xi	Passing the on-board diagnostic check;	Attachment A	
xii	Failing the on-board diagnostic check;	Attachment A	
xiii	Failing the on-board diagnostic check and passing the tailpipe test (if applicable);	Attachment A	
xiv	Failing the on-board diagnostic check and failing the tailpipe test (if applicable);	Attachment A	
xv	Passing the on-board diagnostic check and failing the I/M gas cap evaporative system test (if applicable);	Attachment A	Discontinued gas cap testing for model year 2000 and newer beginning December 16, 2009.
xvi	Failing the on-board diagnostic check and passing the I/M gas cap evaporative system test (if applicable);	Attachment A	Discontinued gas cap testing for model year 2000 and newer beginning December 16, 2009.
xvii	Passing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	Attachment A	Discontinued gas cap testing for model year 2000 and newer beginning December 16, 2009.
xviii	Failing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	Attachment A	Discontinued gas cap testing for model year 2000 and newer beginning December 16, 2009.
xix	MIL is commanded on and no codes are stored;	Attachment A	
xx	MIL is not commanded on and codes are stored;	Attachment A	
xxi	MIL is commanded on and codes are stored;	Attachment A	
xxii	MIL is not commanded on and codes are not stored;	Attachment A	
xxiii	Readiness status indicates the evaluation not complete for any module supported by on-board diagnostic systems;	Attachment A	OBDII readiness monitor threshold changed from 2 to 1 for model year 2001 and newer beginning July 6, 2010.

**I/M RULE SECTION 51.366 DATA ANALYSIS AND REPORTING
CALIFORNIA BUREAU OF AUTOMOTIVE REPAIR
CALENDAR YEAR 2010**

I/M Rule 51.366 Specifics		Data	Clarification
(3)	The initial test volume by model year and test station;	Attachment A	
(4)	The initial test failure rate by model year and test station; and	Attachment A	
(5)	The average increase or decrease in tailpipe emission levels for HC, CO, and NOX (if applicable) after repairs by model year and vehicle type for vehicles receiving a mass emissions test.	N/A	Mass emissions testing is not performed in California's Smog Check program.
(b)	Quality assurance report. The program shall submit to EPA by July of each year a report providing basic statistics on the quality assurance program for January through December of the previous year, including:		
(1)	The number of inspection stations and lanes:		
	i Operating throughout the year; and	Attachment B	
	ii Operating for only part of the year;	N/A	
(2)	The number of inspection stations and lanes operating throughout the year:		
	i Receiving overt performance audits in the year;	Attachment B	
	ii Not receiving overt performance audits in the year;	Attachment B	
	iii Receiving covert performance audits in the year;	Attachment B	
	iv Not receiving covert performance audits in the year; and	Attachment B	
	v That have been shut down as a result of overt performance audits;	Attachment B	
(3)	The number of covert audits:		
	i Conducted with the vehicle set to fail per test type;	Attachment B	
	ii Conducted with the vehicle set to fail any combination of two or more test types;	Attachment B	
	iii Resulting in a false pass per test type;	Attachment B	
	iv Resulting in a false pass for any combination of two or more test types;	Attachment B	
(4)	The number of inspectors and stations:		
	i That were suspended, fired, or otherwise prohibited from testing as a result of covert audits;	Attachment B	
	ii That were suspended, fired, or otherwise prohibited from testing for other causes; and	Attachment B	
	iii That received fines;	Attachment B	
(5)	The number of inspectors licensed or certified to conduct testing;	Attachment B	

**I/M RULE SECTION 51.366 DATA ANALYSIS AND REPORTING
CALIFORNIA BUREAU OF AUTOMOTIVE REPAIR
CALENDAR YEAR 2010**

I/M Rule 51.366 Specifics		Data	Clarification
(6)	The number of hearings:		
	i Held to consider adverse actions against inspectors and stations; and	Attachment B	
	ii Resulting in adverse actions against inspectors and stations;	Attachment B	
(7)	The total amount collected in fines from inspectors and stations by type of violation;	Attachment B	
(8)	The total number of covert vehicles available for undercover audits over the year; and	Attachment B	
(9)	The number of covert auditors available for undercover audits.	Attachment B	
(c)	Quality control report. The program shall submit to EPA by July of each year a report providing basic statistics on the quality control program for January through December of the previous year, including:		
(1)	The number of emission testing sites and lanes in use in the program;	Attachment B	
(2)	The number of equipment audits by station and lane;	Attachment B	
(3)	The number and percentage of stations that have failed equipment audits; and	Attachment B	
(4)	Number and percentage of stations and lanes shut down as a result of equipment audits.	Attachment B	
(d)	Enforcement report.		
(1)	All varieties of enforcement programs shall, at a minimum, submit to EPA by July of each year a report providing basic statistics on the enforcement program for January through December of the previous year, including:		
	i An estimate of the number of vehicles subject to the inspection program, including the results of an analysis of the registration data base;	24,806,495 gasoline 360,000 diesel	This is California's estimate of the number of vehicles subject to the Smog Check program. The estimate includes all 1976 and newer gasoline powered vehicles excluding motorcycles and 1998 and newer diesel powered vehicles excluding 14,001 and greater GVWR.
	ii The percentage of motorist compliance based upon a comparison of the number of valid final tests with the number of subject vehicles;	N/A	
	iii The total number of compliance documents issued to inspection stations;	10,333,900	Total certificates purchased and issued to Smog Check stations during calendar year 2010.
	iv The number of missing compliance documents;	N/A	Certificate sales are handled electronically by the contractor for the state's centralized database and electronic communication system. Certain rules apply pertaining to skipped certificate numbers, refunds, etc. to ensure certificate issuance compliance.
	v The number of time extensions and other exemptions granted to motorists; and	2,892 waivers 143 limited parts exemptions	A one-time waiver is issued if a vehicle fails the Smog Check test, has not been tampered and it is determined by a state contractor (Referee) that repairs would exceed the repair cost limit of \$450. A one-time hardship extension was also available to low-income vehicle owners until its termination on August 1, 2009. The hardship extension is no longer available due to a fully operational repair assistance program for low-income motorists.

**I/M RULE SECTION 51.366 DATA ANALYSIS AND REPORTING
CALIFORNIA BUREAU OF AUTOMOTIVE REPAIR
CALENDAR YEAR 2010**

I/M Rule 51.366 Specifics		Data	Clarification
vi	The number of compliance surveys conducted, number of vehicles surveyed in each, and the compliance rates found.	N/A	No compliance survey conducted in calendar year 2010.
(2)	Registration denial based enforcement programs shall provide the following additional information:		
i	A report of the program's efforts and actions to prevent motorists from falsely registering vehicles out of the program area or falsely changing fuel type or weight class on the vehicle registration, and the results of special studies to investigate the frequency of such activity; and		BAR periodically analyzes program data and works with the Department of Motor Vehicles (DMV) on efforts and actions to prevent motorists from falsely registering vehicles.
ii	The number of registration file audits, number of registrations reviewed, and compliance rates found in such audits.		
(3)	Computer-matching based enforcement programs shall provide the following additional information:	N/A	
i	The number and percentage of subject vehicles that were tested by the initial deadline, and by other milestones in the cycle;	N/A	
ii	A report on the program's efforts to detect and enforce against motorists falsely changing vehicle classifications to circumvent program requirements, and the frequency of this type of activity; and	N/A	
iii	The number of enforcement system audits, and the error rate found during those audits.	N/A	
(4)	Sticker-based enforcement systems shall provide the following additional information:	N/A	
i	A report on the program's efforts to prevent, detect, and enforce against sticker theft and counterfeiting, and the frequency of this type of activity;	N/A	
ii	A report on the program's efforts to detect and enforce against motorists falsely changing vehicle classifications to circumvent program requirements, and the frequency of this type of activity; and	N/A	
iii	The number of parking lot sticker audits conducted, the number of vehicles surveyed in each, and the noncompliance rate found during those audits.	N/A	
(e)	Additional reporting requirements. In addition to the annual reports in paragraphs (a) through (d) of this section, programs shall submit to EPA by July of every other year, biennial reports addressing:		
(1)	Any changes made in program design, funding, personnel levels, procedures, regulations, and legal authority, with detailed discussion and evaluation of the impact on the program of all such changes; and		
(2)	Any weaknesses or problems identified in the program within the two-year reporting period, what steps have already been taken to correct those problems, the results of those steps, and any future efforts planned.	Attachment C	

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A-06 EPA Report 51.366 a.1
 Vehicle Count (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1932	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1933	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1948	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1960	3	0.00%	3	0.00%	0	0.00%	0	0.00%	0	0.00%
1964	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1965	2	0.00%	2	0.00%	0	0.00%	0	0.00%	0	0.00%
1966	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1967	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1968	2	0.00%	2	0.00%	0	0.00%	0	0.00%	0	0.00%
1969	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1970	2	0.00%	2	0.00%	0	0.00%	0	0.00%	0	0.00%
1972	2	0.00%	2	0.00%	0	0.00%	0	0.00%	0	0.00%
1973	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1974	2	0.00%	2	0.00%	0	0.00%	0	0.00%	0	0.00%
1975	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1976	12,668	0.12%	5,285	0.05%	2,175	0.02%	3,510	0.03%	1,698	0.02%
1977	17,721	0.17%	6,662	0.06%	2,907	0.03%	5,665	0.05%	2,487	0.02%
1978	20,203	0.19%	8,101	0.08%	4,115	0.04%	4,808	0.05%	3,179	0.03%
1979	22,017	0.21%	9,555	0.09%	4,909	0.05%	4,509	0.04%	3,044	0.03%
1980	13,329	0.13%	6,028	0.06%	3,841	0.04%	1,544	0.01%	1,916	0.02%
1981	15,533	0.15%	7,028	0.07%	5,040	0.05%	1,134	0.01%	2,331	0.02%
1982	18,085	0.17%	8,360	0.08%	6,120	0.06%	1,273	0.01%	2,332	0.02%
1983	24,186	0.23%	11,641	0.11%	7,844	0.08%	1,811	0.02%	2,890	0.03%
1984	44,238	0.42%	20,691	0.20%	15,073	0.14%	3,169	0.03%	5,305	0.05%

A-06 EPA Report 51.366 a.1
Vehicle Count (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1985	59,701	0.57%	28,215	0.27%	21,279	0.20%	4,073	0.04%	6,134	0.06%
1986	84,943	0.82%	38,831	0.37%	34,513	0.33%	4,901	0.05%	6,698	0.06%
1987	100,001	0.96%	50,997	0.49%	36,241	0.35%	6,063	0.06%	6,700	0.06%
1988	122,328	1.17%	63,949	0.61%	40,969	0.39%	8,927	0.09%	8,483	0.08%
1989	167,146	1.60%	90,064	0.86%	52,959	0.51%	11,930	0.11%	12,193	0.12%
1990	205,538	1.97%	127,487	1.22%	52,424	0.50%	13,733	0.13%	11,894	0.11%
1991	245,794	2.36%	152,767	1.47%	71,300	0.68%	12,693	0.12%	9,034	0.09%
1992	248,567	2.39%	154,562	1.48%	67,380	0.65%	17,189	0.17%	9,436	0.09%
1993	302,912	2.91%	182,369	1.75%	90,290	0.87%	20,905	0.20%	9,348	0.09%
1994	386,790	3.71%	226,652	2.18%	112,315	1.08%	35,480	0.34%	12,343	0.12%
1995	401,841	3.86%	243,529	2.34%	108,023	1.04%	35,947	0.35%	14,342	0.14%
1996	513,481	4.93%	304,519	2.92%	144,197	1.38%	47,071	0.45%	17,694	0.17%
1997	485,417	4.66%	277,324	2.66%	142,340	1.37%	50,523	0.49%	15,230	0.15%
1998	737,383	7.08%	412,854	3.96%	228,362	2.19%	78,626	0.75%	17,541	0.17%
1999	581,443	5.58%	311,919	2.99%	154,446	1.48%	94,032	0.90%	21,046	0.20%
2000	1,183,907	11.37%	639,479	6.14%	330,392	3.17%	172,712	1.66%	41,324	0.40%
2001	547,362	5.25%	304,073	2.92%	133,870	1.29%	89,822	0.86%	19,597	0.19%
2002	1,315,295	12.63%	680,312	6.53%	362,250	3.48%	233,054	2.24%	39,679	0.38%
2003	447,217	4.29%	243,984	2.34%	102,975	0.99%	82,845	0.80%	17,413	0.17%
2004	1,440,630	13.83%	729,039	7.00%	370,377	3.56%	296,557	2.85%	44,657	0.43%
2005	226,077	2.17%	131,081	1.26%	51,709	0.50%	36,591	0.35%	6,696	0.06%
2006	194,393	1.87%	116,737	1.12%	38,214	0.37%	34,260	0.33%	5,182	0.05%
2007	92,003	0.88%	57,410	0.55%	17,537	0.17%	15,300	0.15%	1,756	0.02%
2008	62,385	0.60%	40,959	0.39%	11,266	0.11%	9,061	0.09%	1,099	0.01%

A-06 EPA Report 51.366 a.1
 Vehicle Count (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2009	49,501	0.48%	36,574	0.35%	7,422	0.07%	4,489	0.04%	1,016	0.01%
2010	24,123	0.23%	14,881	0.14%	4,320	0.04%	3,613	0.03%	1,309	0.01%
2011	1,957	0.02%	1,045	0.01%	422	0.00%	237	0.00%	253	0.00%
Total	10,416,137	100.00%	5,744,985	55.15%	2,839,816	27.26%	1,448,057	13.90%	383,279	3.68%

A-06 EPA Report 51.366 a.1
Vehicle Count (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1971	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1976	1	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
1977	2	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%
1980	1	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1983	1	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1984	3	0.00%	0	0.00%	2	0.00%	0	0.00%	1	0.00%
1985	1	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
1986	4	0.00%	0	0.00%	1	0.00%	0	0.00%	3	0.00%
1987	3	0.00%	1	0.00%	1	0.00%	0	0.00%	1	0.00%
1988	4	0.00%	0	0.00%	3	0.00%	0	0.00%	1	0.00%
1991	1	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
1993	2	0.00%	0	0.00%	1	0.00%	0	0.00%	1	0.00%
1994	1	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
1995	4	0.00%	1	0.00%	0	0.00%	0	0.00%	3	0.00%
1996	1	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
1997	1	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
1998	2,993	1.92%	511	0.33%	15	0.01%	91	0.06%	2,376	1.53%
1999	9,825	6.31%	549	0.35%	23	0.01%	268	0.17%	8,985	5.77%
2000	9,050	5.82%	483	0.31%	31	0.02%	181	0.12%	8,355	5.37%
2001	12,576	8.08%	528	0.34%	50	0.03%	297	0.19%	11,701	7.52%
2002	13,717	8.82%	1,278	0.82%	36	0.02%	297	0.19%	12,106	7.78%
2003	16,144	10.38%	1,360	0.87%	64	0.04%	362	0.23%	14,358	9.23%
2004	19,895	12.79%	633	0.41%	88	0.06%	449	0.29%	18,725	12.03%
2005	19,521	12.55%	827	0.53%	195	0.13%	417	0.27%	18,082	11.62%

A-06 EPA Report 51.366 a.1
 Vehicle Count (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2006	24,272	15.60%	900	0.58%	233	0.15%	518	0.33%	22,621	14.54%
2007	12,146	7.81%	164	0.11%	54	0.03%	302	0.19%	11,626	7.47%
2008	12,758	8.20%	164	0.11%	100	0.06%	280	0.18%	12,214	7.85%
2009	1,496	0.96%	469	0.30%	13	0.01%	132	0.08%	882	0.57%
2010	907	0.58%	271	0.17%	9	0.01%	88	0.06%	539	0.35%
2011	262	0.17%	50	0.03%	1	0.00%	23	0.01%	188	0.12%
Total	155,593	100.00%	8,190	5.26%	922	0.59%	3,710	2.38%	142,771	91.76%

A-06 EPA Report 51.366 a.2.i
Initial Failures (Non-Diesel)

Year:2010

Vehicle Model Year	All Tests		Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	Count	Percent	ASM Tests		TSI Tests		ASM Tests		TSI Tests	
			Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1960	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
1968	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1969	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1970	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1972	2	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1973	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1976	3,410	0.27%	1,842	0.15%	303	0.02%	628	0.05%	627	0.05%
1977	4,873	0.38%	2,496	0.20%	374	0.03%	1,064	0.08%	922	0.07%
1978	5,591	0.44%	3,081	0.24%	511	0.04%	935	0.07%	1,053	0.08%
1979	6,437	0.51%	3,695	0.29%	574	0.05%	1,197	0.09%	961	0.08%
1980	3,641	0.29%	2,328	0.18%	384	0.03%	479	0.04%	440	0.03%
1981	4,642	0.37%	3,305	0.26%	434	0.03%	448	0.04%	448	0.04%
1982	5,321	0.42%	3,825	0.30%	560	0.04%	505	0.04%	423	0.03%
1983	7,274	0.57%	5,396	0.43%	714	0.06%	616	0.05%	527	0.04%
1984	13,702	1.08%	9,966	0.79%	1,413	0.11%	1,246	0.10%	1,055	0.08%
1985	17,995	1.42%	13,330	1.05%	1,898	0.15%	1,680	0.13%	1,062	0.08%
1986	24,104	1.90%	18,483	1.46%	2,592	0.20%	1,830	0.14%	1,174	0.09%
1987	29,426	2.32%	23,380	1.84%	2,832	0.22%	1,919	0.15%	1,275	0.10%
1988	33,718	2.66%	26,731	2.11%	3,092	0.24%	2,407	0.19%	1,472	0.12%
1989	42,482	3.35%	33,269	2.62%	3,796	0.30%	3,767	0.30%	1,618	0.13%
1990	50,979	4.02%	41,615	3.28%	4,227	0.33%	3,655	0.29%	1,449	0.11%
1991	58,618	4.62%	49,111	3.87%	5,475	0.43%	2,776	0.22%	1,219	0.10%
1992	57,307	4.52%	46,727	3.69%	5,153	0.41%	3,985	0.31%	1,392	0.11%
1993	75,772	5.98%	62,702	4.95%	6,533	0.52%	4,992	0.39%	1,486	0.12%

A-06 EPA Report 51.366 a.2.i
 Initial Failures (Non-Diesel)

Year:2010

Vehicle Model Year	Passenger Cars and Light Duty Trucks										Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests		Count	Percent of All Vehicles	Count	Percent of All Vehicles
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles				
1994	82,002	6.47%	66,329	5.23%	6,890	0.54%	6,913	0.55%	1,826	0.14%				
1995	81,524	6.43%	65,877	5.20%	6,719	0.53%	6,922	0.55%	1,950	0.15%				
1996	84,414	6.66%	67,775	5.35%	8,763	0.69%	5,692	0.45%	2,148	0.17%				
1997	79,739	6.29%	62,862	4.96%	8,654	0.68%	6,224	0.49%	1,964	0.15%				
1998	86,151	6.80%	66,887	5.28%	8,937	0.70%	7,864	0.62%	2,436	0.19%				
1999	65,571	5.17%	45,172	3.56%	8,226	0.65%	9,012	0.71%	3,143	0.25%				
2000	99,470	7.85%	73,257	5.78%	9,905	0.78%	10,853	0.86%	5,445	0.43%				
2001	58,139	4.59%	39,690	3.13%	6,942	0.55%	7,809	0.62%	3,692	0.29%				
2002	84,673	6.68%	55,528	4.38%	11,554	0.91%	12,586	0.99%	5,002	0.39%				
2003	28,435	2.24%	18,374	1.45%	3,757	0.30%	4,384	0.35%	1,916	0.15%				
2004	54,827	4.32%	33,947	2.68%	7,814	0.62%	9,135	0.72%	3,925	0.31%				
2005	7,524	0.59%	4,852	0.38%	1,273	0.10%	960	0.08%	436	0.03%				
2006	5,380	0.42%	3,252	0.26%	1,081	0.09%	654	0.05%	389	0.03%				
2007	2,073	0.16%	1,324	0.10%	432	0.03%	186	0.01%	124	0.01%				
2008	1,297	0.10%	821	0.06%	265	0.02%	125	0.01%	82	0.01%				
2009	795	0.06%	545	0.04%	163	0.01%	57	0.00%	23	0.00%				
2010	426	0.03%	209	0.02%	64	0.01%	41	0.00%	32	0.00%				
2011	21	0.00%	10	0.00%	6	0.00%	2	0.00%	3	0.00%				
Total	1,267,760	100.00%	957,998	75.57%	132,310	10.44%	123,548	9.75%	53,139	4.19%				

A-06 EPA Report 51.366 a.2.i
 Initial Failures (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1986	1	0.01%	0	0.00%	1	0.01%
1988	1	0.01%	1	0.01%	0	0.00%
1991	1	0.01%	0	0.00%	1	0.01%
1993	1	0.01%	1	0.01%	0	0.00%
1995	2	0.02%	0	0.00%	2	0.02%
1996	1	0.01%	0	0.00%	1	0.01%
1998	451	5.37%	104	1.24%	347	4.13%
1999	925	11.01%	53	0.63%	872	10.37%
2000	612	7.28%	64	0.76%	548	6.52%
2001	777	9.24%	77	0.92%	700	8.33%
2002	941	11.20%	169	2.01%	772	9.19%
2003	1,522	18.11%	170	2.02%	1,352	16.09%
2004	1,158	13.78%	36	0.43%	1,122	13.35%
2005	1,140	13.56%	47	0.56%	1,093	13.00%
2006	546	6.50%	20	0.24%	526	6.26%
2007	185	2.20%	7	0.08%	178	2.12%
2008	101	1.20%	7	0.08%	94	1.12%
2009	31	0.37%	15	0.18%	16	0.19%
2010	9	0.11%	3	0.04%	6	0.07%
Total	8,405	100.00%	774	9.21%	7,631	90.79%

A-06 EPA Report 51.366 a.2.ii
First Re-test Failures (Non-Diesel)

Year:2010

Vehicle Model Year	All Tests		Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	Count	Percent	ASM Tests		TSI Tests		ASM Tests		TSI Tests	
			Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1976	695	0.27%	476	0.19%	35	0.01%	99	0.04%	84	0.03%
1977	1,077	0.42%	648	0.25%	55	0.02%	205	0.08%	169	0.07%
1978	1,177	0.46%	761	0.30%	75	0.03%	184	0.07%	157	0.06%
1979	1,463	0.57%	909	0.35%	84	0.03%	322	0.13%	147	0.06%
1980	805	0.31%	580	0.23%	57	0.02%	110	0.04%	58	0.02%
1981	1,203	0.47%	946	0.37%	81	0.03%	110	0.04%	66	0.03%
1982	1,367	0.53%	1,082	0.42%	82	0.03%	129	0.05%	73	0.03%
1983	1,966	0.76%	1,602	0.62%	125	0.05%	156	0.06%	83	0.03%
1984	3,684	1.43%	2,891	1.12%	221	0.09%	384	0.15%	187	0.07%
1985	4,833	1.88%	3,852	1.50%	309	0.12%	485	0.19%	186	0.07%
1986	6,217	2.42%	5,132	1.99%	427	0.17%	483	0.19%	172	0.07%
1987	7,966	3.10%	6,776	2.63%	487	0.19%	497	0.19%	201	0.08%
1988	8,709	3.39%	7,332	2.85%	526	0.20%	610	0.24%	239	0.09%
1989	10,479	4.07%	8,694	3.38%	602	0.23%	948	0.37%	230	0.09%
1990	12,835	4.99%	11,045	4.29%	689	0.27%	902	0.35%	194	0.08%
1991	14,690	5.71%	13,098	5.09%	824	0.32%	601	0.23%	162	0.06%
1992	14,581	5.67%	12,564	4.88%	835	0.32%	991	0.39%	190	0.07%
1993	20,765	8.07%	18,168	7.06%	1,137	0.44%	1,231	0.48%	222	0.09%
1994	21,681	8.43%	18,653	7.25%	1,076	0.42%	1,673	0.65%	278	0.11%
1995	21,110	8.21%	18,157	7.06%	1,056	0.41%	1,602	0.62%	289	0.11%
1996	18,423	7.16%	15,846	6.16%	1,449	0.56%	857	0.33%	268	0.10%
1997	16,467	6.40%	14,066	5.47%	1,234	0.48%	898	0.35%	268	0.10%
1998	15,953	6.20%	13,622	5.29%	1,048	0.41%	984	0.38%	298	0.12%
1999	11,072	4.30%	8,575	3.33%	1,018	0.40%	1,148	0.45%	330	0.13%
2000	12,728	4.95%	10,294	4.00%	932	0.36%	983	0.38%	519	0.20%
2001	8,031	3.12%	5,889	2.29%	792	0.31%	946	0.37%	404	0.16%

A-06 EPA Report 51.366 a.2.ii
 First Re-test Failures (Non-Diesel)

Year:2010

Vehicle Model Year	Passenger Cars and Light Duty Trucks										Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests		Count	Percent of All Vehicles		
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles				
2002	8,885	3.45%	6,381	2.48%	992	0.39%	1,105	0.43%	406	0.16%				
2003	2,938	1.14%	2,122	0.82%	301	0.12%	357	0.14%	158	0.06%				
2004	4,529	1.76%	3,171	1.23%	536	0.21%	582	0.23%	240	0.09%				
2005	459	0.18%	306	0.12%	74	0.03%	58	0.02%	21	0.01%				
2006	306	0.12%	192	0.07%	62	0.02%	24	0.01%	28	0.01%				
2007	97	0.04%	73	0.03%	13	0.01%	8	0.00%	3	0.00%				
2008	43	0.02%	33	0.01%	6	0.00%	3	0.00%	1	0.00%				
2009	32	0.01%	21	0.01%	7	0.00%	3	0.00%	0	0.00%				
2010	12	0.00%	6	0.00%	1	0.00%	2	0.00%	1	0.00%				
Total	257,278	100.00%	213,963	83.16%	17,248	6.70%	19,680	7.65%	6,332	2.46%				

A-06 EPA Report 51.366 a.2.ii
 First Re-test Failures (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	45	7.39%	10	1.64%	35	5.75%
1999	57	9.36%	4	0.66%	53	8.70%
2000	35	5.75%	5	0.82%	30	4.93%
2001	57	9.36%	11	1.81%	46	7.55%
2002	91	14.94%	18	2.96%	73	11.99%
2003	118	19.38%	20	3.28%	98	16.09%
2004	67	11.00%	0	0.00%	67	11.00%
2005	113	18.56%	0	0.00%	113	18.56%
2006	19	3.12%	1	0.16%	18	2.96%
2007	7	1.15%	0	0.00%	7	1.15%
Total	609	100.00%	69	11.33%	540	88.67%

A-06 EPA Report 51.366 a.2.iii
 First Re-test Passes (Non-Diesel)

Year:2010

Vehicle Model Year	Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks					
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1968	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1976	2,363	0.26%	1,168	0.13%	226	0.02%	479	0.05%	490	0.05%
1977	3,306	0.36%	1,516	0.17%	298	0.03%	811	0.09%	681	0.07%
1978	3,854	0.42%	1,990	0.22%	405	0.04%	683	0.08%	776	0.09%
1979	4,213	0.46%	2,312	0.25%	456	0.05%	731	0.08%	714	0.08%
1980	2,389	0.26%	1,457	0.16%	283	0.03%	304	0.03%	345	0.04%
1981	2,896	0.32%	1,941	0.21%	315	0.03%	287	0.03%	353	0.04%
1982	3,287	0.36%	2,232	0.25%	431	0.05%	276	0.03%	348	0.04%
1983	4,424	0.49%	3,051	0.34%	555	0.06%	366	0.04%	452	0.05%
1984	8,105	0.89%	5,558	0.61%	1,055	0.12%	693	0.08%	799	0.09%
1985	10,661	1.17%	7,374	0.81%	1,455	0.16%	986	0.11%	846	0.09%
1986	14,996	1.65%	10,777	1.19%	2,102	0.23%	1,145	0.13%	972	0.11%
1987	17,591	1.94%	13,103	1.44%	2,255	0.25%	1,202	0.13%	1,031	0.11%
1988	20,656	2.27%	15,304	1.68%	2,549	0.28%	1,529	0.17%	1,274	0.14%
1989	26,891	2.96%	19,832	2.18%	3,160	0.35%	2,441	0.27%	1,458	0.16%
1990	32,291	3.55%	25,161	2.77%	3,429	0.38%	2,394	0.26%	1,307	0.14%
1991	37,894	4.17%	30,285	3.33%	4,555	0.50%	1,952	0.21%	1,102	0.12%
1992	37,023	4.07%	28,788	3.17%	4,274	0.47%	2,727	0.30%	1,234	0.14%
1993	47,898	5.27%	37,749	4.15%	5,374	0.59%	3,430	0.38%	1,345	0.15%
1994	53,950	5.94%	41,458	4.56%	5,963	0.66%	4,878	0.54%	1,651	0.18%
1995	54,061	5.95%	41,573	4.57%	5,767	0.63%	4,944	0.54%	1,777	0.20%
1996	59,092	6.50%	45,787	5.04%	6,865	0.76%	4,563	0.50%	1,877	0.21%
1997	57,741	6.35%	43,981	4.84%	6,978	0.77%	5,086	0.56%	1,696	0.19%
1998	65,097	7.16%	48,797	5.37%	7,698	0.85%	6,500	0.72%	2,102	0.23%
1999	51,222	5.64%	34,010	3.74%	6,918	0.76%	7,552	0.83%	2,742	0.30%
2000	81,007	8.91%	58,140	6.40%	8,716	0.96%	9,436	1.04%	4,715	0.52%
2001	46,573	5.13%	31,078	3.42%	5,845	0.64%	6,524	0.72%	3,126	0.34%

A-06 EPA Report 51.366 a.2.iii
 First Re-test Passes (Non-Diesel)

Year:2010

Vehicle Model Year	All Tests		Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	Count	Percent	ASM Tests		TSI Tests		ASM Tests		TSI Tests	
			Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2002	70,283	7.73%	45,150	4.97%	10,027	1.10%	10,748	1.18%	4,358	0.48%
2003	25,037	2.76%	15,860	1.75%	3,383	0.37%	4,028	0.44%	1,766	0.19%
2004	47,287	5.20%	28,576	3.14%	6,971	0.77%	8,213	0.90%	3,527	0.39%
2005	6,594	0.73%	4,136	0.46%	1,168	0.13%	868	0.10%	422	0.05%
2006	5,454	0.60%	3,296	0.36%	1,065	0.12%	684	0.08%	409	0.05%
2007	2,048	0.23%	1,274	0.14%	472	0.05%	168	0.02%	134	0.01%
2008	1,358	0.15%	782	0.09%	358	0.04%	130	0.01%	88	0.01%
2009	827	0.09%	534	0.06%	201	0.02%	63	0.01%	29	0.00%
2010	316	0.03%	179	0.02%	65	0.01%	36	0.00%	36	0.00%
2011	22	0.00%	10	0.00%	6	0.00%	3	0.00%	3	0.00%
Total	908,708	100.00%	654,220	71.99%	111,643	12.29%	96,860	10.66%	45,985	5.06%

A-06 EPA Report 51.366 a.2.iii
 First Re-test Passes (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	330	4.76%	73	1.05%	257	3.71%
1999	745	10.75%	35	0.51%	710	10.25%
2000	491	7.09%	46	0.66%	445	6.42%
2001	634	9.15%	52	0.75%	582	8.40%
2002	708	10.22%	131	1.89%	577	8.33%
2003	1,285	18.55%	134	1.93%	1,151	16.61%
2004	991	14.30%	28	0.40%	963	13.90%
2005	929	13.41%	39	0.56%	890	12.85%
2006	503	7.26%	14	0.20%	489	7.06%
2007	176	2.54%	6	0.09%	170	2.45%
2008	100	1.44%	8	0.12%	92	1.33%
2009	27	0.39%	12	0.17%	15	0.22%
2010	9	0.13%	3	0.04%	6	0.09%
Total	6,928	100.00%	581	8.39%	6,347	91.61%

A-06 EPA Report 51.366 a.2.iv
Second or Later Passes (Non-Diesel)

Year:2010

Vehicle Model Year	All Tests		Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	Count	Percent	ASM Tests		TSI Tests		ASM Tests		TSI Tests	
			Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1971	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1976	801	0.30%	563	0.21%	37	0.01%	121	0.04%	80	0.03%
1977	1,152	0.43%	704	0.26%	50	0.02%	230	0.08%	168	0.06%
1978	1,319	0.49%	881	0.33%	73	0.03%	209	0.08%	156	0.06%
1979	1,700	0.63%	1,058	0.39%	94	0.03%	377	0.14%	171	0.06%
1980	923	0.34%	693	0.26%	45	0.02%	114	0.04%	71	0.03%
1981	1,325	0.49%	1,038	0.38%	86	0.03%	122	0.05%	79	0.03%
1982	1,483	0.55%	1,200	0.44%	77	0.03%	133	0.05%	73	0.03%
1983	2,136	0.79%	1,755	0.65%	119	0.04%	175	0.06%	87	0.03%
1984	3,950	1.46%	3,129	1.16%	227	0.08%	376	0.14%	218	0.08%
1985	5,271	1.95%	4,209	1.56%	324	0.12%	512	0.19%	226	0.08%
1986	6,619	2.45%	5,484	2.03%	414	0.15%	501	0.19%	220	0.08%
1987	8,370	3.09%	7,107	2.63%	500	0.18%	528	0.20%	235	0.09%
1988	9,055	3.35%	7,601	2.81%	509	0.19%	655	0.24%	290	0.11%
1989	11,126	4.11%	9,241	3.41%	600	0.22%	1,013	0.37%	272	0.10%
1990	13,499	4.99%	11,600	4.29%	686	0.25%	1,004	0.37%	209	0.08%
1991	15,776	5.83%	14,011	5.18%	859	0.32%	715	0.26%	191	0.07%
1992	15,663	5.79%	13,445	4.97%	915	0.34%	1,103	0.41%	200	0.07%
1993	21,962	8.12%	19,182	7.09%	1,188	0.44%	1,360	0.50%	232	0.09%
1994	23,657	8.74%	20,287	7.50%	1,183	0.44%	1,876	0.69%	311	0.11%
1995	22,752	8.41%	19,515	7.21%	1,132	0.42%	1,789	0.66%	316	0.12%
1996	19,187	7.09%	16,712	6.18%	1,297	0.48%	911	0.34%	267	0.10%
1997	17,199	6.36%	14,746	5.45%	1,239	0.46%	945	0.35%	269	0.10%
1998	17,041	6.30%	14,614	5.40%	1,071	0.40%	1,061	0.39%	295	0.11%
1999	11,491	4.25%	8,932	3.30%	1,021	0.38%	1,214	0.45%	324	0.12%
2000	12,660	4.68%	10,225	3.78%	912	0.34%	1,019	0.38%	504	0.19%

A-06 EPA Report 51.366 a.2.iv
 Second or Later Passes (Non-Diesel)

Year:2010

Vehicle Model Year	All Tests		Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	Count	Percent	ASM Tests		TSI Tests		ASM Tests		TSI Tests	
			Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2001	7,702	2.85%	5,677	2.10%	762	0.28%	873	0.32%	390	0.14%
2002	8,521	3.15%	6,168	2.28%	942	0.35%	1,044	0.39%	367	0.14%
2003	2,959	1.09%	2,142	0.79%	308	0.11%	349	0.13%	160	0.06%
2004	4,366	1.61%	3,076	1.14%	512	0.19%	559	0.21%	219	0.08%
2005	440	0.16%	292	0.11%	74	0.03%	53	0.02%	21	0.01%
2006	334	0.12%	213	0.08%	65	0.02%	28	0.01%	28	0.01%
2007	92	0.03%	69	0.03%	13	0.00%	7	0.00%	3	0.00%
2008	41	0.02%	31	0.01%	5	0.00%	3	0.00%	2	0.00%
2009	29	0.01%	21	0.01%	7	0.00%	1	0.00%	0	0.00%
2010	10	0.00%	6	0.00%	1	0.00%	2	0.00%	1	0.00%
Total	270,612	100.00%	225,628	83.38%	17,347	6.41%	20,982	7.75%	6,655	2.46%

A-06 EPA Report 51.366 a.2.iv
 Second or Later Passes (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	30	5.52%	7	1.29%	23	4.24%
1999	48	8.84%	3	0.55%	45	8.29%
2000	30	5.52%	4	0.74%	26	4.79%
2001	58	10.68%	10	1.84%	48	8.84%
2002	74	13.63%	14	2.58%	60	11.05%
2003	105	19.34%	17	3.13%	88	16.21%
2004	66	12.15%	1	0.18%	65	11.97%
2005	105	19.34%	0	0.00%	105	19.34%
2006	21	3.87%	4	0.74%	17	3.13%
2007	6	1.10%	0	0.00%	6	1.10%
Total	543	100.00%	60	11.05%	483	88.95%

A-06 EPA Report 51.366 a.2.v
Vehicles Receiving a Waiver (Non-Diesel)

Year:2010

Vehicle Model Year	Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks					
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1976	2	0.07%	2	0.07%	0	0.00%	0	0.00%	0	0.00%
1977	6	0.21%	4	0.14%	0	0.00%	0	0.00%	2	0.07%
1978	11	0.38%	8	0.28%	1	0.03%	1	0.03%	1	0.03%
1979	7	0.24%	4	0.14%	0	0.00%	2	0.07%	1	0.03%
1980	3	0.10%	2	0.07%	1	0.03%	0	0.00%	0	0.00%
1981	9	0.31%	8	0.28%	0	0.00%	1	0.03%	0	0.00%
1982	15	0.52%	14	0.48%	1	0.03%	0	0.00%	0	0.00%
1983	28	0.96%	25	0.86%	1	0.03%	2	0.07%	0	0.00%
1984	34	1.17%	27	0.93%	3	0.10%	2	0.07%	2	0.07%
1985	46	1.58%	37	1.27%	4	0.14%	4	0.14%	1	0.03%
1986	67	2.31%	55	1.89%	6	0.21%	6	0.21%	0	0.00%
1987	67	2.31%	66	2.27%	0	0.00%	1	0.03%	0	0.00%
1988	78	2.69%	71	2.44%	4	0.14%	2	0.07%	1	0.03%
1989	84	2.89%	76	2.62%	0	0.00%	8	0.28%	0	0.00%
1990	115	3.96%	107	3.68%	4	0.14%	4	0.14%	0	0.00%
1991	138	4.75%	131	4.51%	5	0.17%	1	0.03%	1	0.03%
1992	134	4.61%	119	4.10%	7	0.24%	5	0.17%	3	0.10%
1993	202	6.96%	181	6.23%	14	0.48%	5	0.17%	2	0.07%
1994	198	6.82%	183	6.30%	5	0.17%	10	0.34%	0	0.00%
1995	198	6.82%	184	6.34%	9	0.31%	3	0.10%	2	0.07%
1996	317	10.92%	253	8.71%	47	1.62%	14	0.48%	3	0.10%
1997	220	7.58%	195	6.71%	14	0.48%	9	0.31%	2	0.07%
1998	230	7.92%	198	6.82%	20	0.69%	8	0.28%	4	0.14%
1999	192	6.61%	143	4.92%	25	0.86%	19	0.65%	5	0.17%

A-06 EPA Report 51.366 a.2.v
 Vehicles Receiving a Waiver (Non-Diesel)

Year:2010

Vehicle Model Year	All Tests		Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	Count	Percent	ASM Tests		TSI Tests		ASM Tests		TSI Tests	
			Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2000	184	6.34%	152	5.23%	18	0.62%	9	0.31%	5	0.17%
2001	115	3.96%	94	3.24%	11	0.38%	4	0.14%	6	0.21%
2002	109	3.75%	80	2.75%	15	0.52%	11	0.38%	3	0.10%
2003	40	1.38%	27	0.93%	7	0.24%	3	0.10%	3	0.10%
2004	55	1.89%	43	1.48%	8	0.28%	4	0.14%	0	0.00%
Total	2,904	100.00%	2,489	85.71%	230	7.92%	138	4.75%	47	1.62%

A-06 EPA Report 51.366 a.2.v
 Vehicles Receiving a Waiver (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2002	1	100.00%	0	0.00%	1	100.00%
Total	1	100.00%	0	0.00%	1	100.00%

A-06 EPA Report 51.366 a.2.vi
Vehicles with No Known Outcome (Non-Diesel)

Year:2010

Vehicle Model Year	Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks					
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1960	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
1969	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1970	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1972	2	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1973	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1976	706	0.40%	351	0.20%	78	0.04%	127	0.07%	145	0.08%
1977	996	0.56%	480	0.27%	84	0.05%	192	0.11%	236	0.13%
1978	1,124	0.63%	594	0.34%	110	0.06%	183	0.10%	233	0.13%
1979	1,305	0.74%	717	0.40%	123	0.07%	246	0.14%	216	0.12%
1980	792	0.45%	477	0.27%	92	0.05%	107	0.06%	112	0.06%
1981	1,027	0.58%	721	0.41%	123	0.07%	95	0.05%	87	0.05%
1982	1,203	0.68%	847	0.48%	144	0.08%	134	0.08%	75	0.04%
1983	1,660	0.94%	1,218	0.69%	186	0.10%	158	0.09%	92	0.05%
1984	3,237	1.83%	2,336	1.32%	400	0.23%	296	0.17%	200	0.11%
1985	4,064	2.29%	3,054	1.72%	468	0.26%	368	0.21%	169	0.10%
1986	5,221	2.95%	4,032	2.28%	605	0.34%	377	0.21%	200	0.11%
1987	6,601	3.73%	5,325	3.01%	641	0.36%	406	0.23%	227	0.13%
1988	7,502	4.23%	6,136	3.46%	726	0.41%	439	0.25%	198	0.11%
1989	8,704	4.91%	6,961	3.93%	801	0.45%	683	0.39%	250	0.14%
1990	9,824	5.55%	8,064	4.55%	934	0.53%	593	0.33%	223	0.13%
1991	10,582	5.97%	8,919	5.03%	1,098	0.62%	393	0.22%	160	0.09%
1992	9,771	5.52%	8,051	4.54%	996	0.56%	528	0.30%	177	0.10%
1993	12,221	6.90%	10,215	5.77%	1,171	0.66%	625	0.35%	193	0.11%
1994	11,482	6.48%	9,516	5.37%	1,046	0.59%	708	0.40%	196	0.11%

A-06 EPA Report 51.366 a.2.vi
 Vehicles with No Known Outcome (Non-Diesel)

Year:2010

Vehicle Model Year	Passenger Cars and Light Duty Trucks										Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests		Count	Percent of All Vehicles	Count	Percent of All Vehicles
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles				
1995	11,640	6.57%	9,531	5.38%	1,076	0.61%	783	0.44%	240	0.14%				
1996	11,967	6.76%	9,611	5.43%	1,435	0.81%	653	0.37%	256	0.14%				
1997	10,470	5.91%	8,340	4.71%	1,235	0.70%	660	0.37%	229	0.13%				
1998	9,481	5.35%	7,419	4.19%	1,040	0.59%	762	0.43%	252	0.14%				
1999	7,217	4.07%	5,066	2.86%	949	0.54%	871	0.49%	325	0.18%				
2000	8,565	4.83%	6,506	3.67%	933	0.53%	701	0.40%	425	0.24%				
2001	6,146	3.47%	4,418	2.49%	712	0.40%	659	0.37%	356	0.20%				
2002	6,254	3.53%	4,287	2.42%	818	0.46%	779	0.44%	370	0.21%				
2003	2,493	1.41%	1,663	0.94%	341	0.19%	321	0.18%	167	0.09%				
2004	3,454	1.95%	2,248	1.27%	501	0.28%	484	0.27%	220	0.12%				
2005	673	0.38%	458	0.26%	98	0.06%	84	0.05%	33	0.02%				
2006	319	0.18%	196	0.11%	66	0.04%	35	0.02%	21	0.01%				
2007	201	0.11%	117	0.07%	40	0.02%	24	0.01%	15	0.01%				
2008	86	0.05%	52	0.03%	14	0.01%	11	0.01%	6	0.00%				
2009	47	0.03%	31	0.02%	5	0.00%	4	0.00%	0	0.00%				
2010	110	0.06%	24	0.01%	4	0.00%	1	0.00%	1	0.00%				
2011	2	0.00%	1	0.00%	0	0.00%	0	0.00%	1	0.00%				
Total	177,153	100.00%	137,986	77.89%	19,093	10.78%	13,490	7.61%	6,306	3.56%				

A-06 EPA Report 51.366 a.2.vi
 Vehicles with No Known Outcome (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1986	1	0.13%	0	0.00%	1	0.13%
1988	1	0.13%	1	0.13%	0	0.00%
1991	1	0.13%	0	0.00%	1	0.13%
1993	1	0.13%	1	0.13%	0	0.00%
1995	2	0.26%	0	0.00%	2	0.26%
1996	1	0.13%	0	0.00%	1	0.13%
1998	79	10.30%	13	1.69%	66	8.60%
1999	112	14.60%	7	0.91%	105	13.69%
2000	69	9.00%	8	1.04%	61	7.95%
2001	70	9.13%	7	0.91%	63	8.21%
2002	114	14.86%	15	1.96%	99	12.91%
2003	104	13.56%	8	1.04%	96	12.52%
2004	90	11.73%	2	0.26%	88	11.47%
2005	63	8.21%	4	0.52%	59	7.69%
2006	31	4.04%	0	0.00%	31	4.04%
2007	16	2.09%	0	0.00%	16	2.09%
2008	8	1.04%	0	0.00%	8	1.04%
2009	4	0.52%	2	0.26%	2	0.26%
Total	767	100.00%	68	8.87%	699	91.13%

A-06 EPA Report 51.366 a.2.xi
Vehicles Passing the Initial On-board Diagnostic Check (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1996	460,764	6.23%	273,804	3.70%	128,153	1.73%	42,562	0.58%	16,245	0.22%
1997	432,077	5.84%	247,855	3.35%	125,186	1.69%	45,120	0.61%	13,916	0.19%
1998	677,469	9.16%	381,042	5.15%	208,991	2.83%	71,356	0.97%	16,080	0.22%
1999	531,414	7.19%	284,875	3.85%	142,026	1.92%	85,170	1.15%	19,343	0.26%
2000	1,103,941	14.93%	595,649	8.06%	308,998	4.18%	160,370	2.17%	38,924	0.53%
2001	496,346	6.71%	276,914	3.75%	120,781	1.63%	80,817	1.09%	17,834	0.24%
2002	1,241,469	16.79%	643,524	8.70%	341,511	4.62%	219,187	2.96%	37,247	0.50%
2003	422,431	5.71%	230,767	3.12%	97,122	1.31%	78,172	1.06%	16,370	0.22%
2004	1,392,549	18.84%	704,286	9.53%	358,832	4.85%	286,858	3.88%	42,573	0.58%
2005	219,393	2.97%	127,198	1.72%	50,213	0.68%	35,579	0.48%	6,403	0.09%
2006	189,506	2.56%	113,877	1.54%	37,182	0.50%	33,435	0.45%	5,012	0.07%
2007	89,976	1.22%	56,148	0.76%	17,099	0.23%	15,006	0.20%	1,723	0.02%
2008	61,191	0.83%	40,190	0.54%	11,037	0.15%	8,888	0.12%	1,076	0.01%
2009	48,733	0.66%	35,993	0.49%	7,312	0.10%	4,440	0.06%	988	0.01%
2010	23,579	0.32%	14,459	0.20%	4,265	0.06%	3,564	0.05%	1,291	0.02%
2011	1,935	0.03%	1,035	0.01%	416	0.01%	235	0.00%	249	0.00%
Total	7,392,773	100.00%	4,027,616	54.48%	1,959,124	26.50%	1,170,759	15.84%	235,274	3.18%

A-06 EPA Report 51.366 a.2.xi
 Vehicles Passing the Initial On-board Diagnostic Check (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	2,657	1.79%	423	0.28%	13	0.01%	82	0.06%	2,139	1.44%
1999	9,071	6.10%	503	0.34%	20	0.01%	252	0.17%	8,296	5.57%
2000	8,536	5.74%	424	0.28%	29	0.02%	170	0.11%	7,913	5.32%
2001	11,901	8.00%	458	0.31%	50	0.03%	282	0.19%	11,111	7.47%
2002	12,970	8.72%	1,118	0.75%	32	0.02%	283	0.19%	11,537	7.75%
2003	14,849	9.98%	1,202	0.81%	57	0.04%	333	0.22%	13,257	8.91%
2004	19,010	12.77%	609	0.41%	84	0.06%	426	0.29%	17,891	12.02%
2005	18,625	12.52%	795	0.53%	188	0.13%	397	0.27%	17,245	11.59%
2006	23,923	16.08%	889	0.60%	229	0.15%	510	0.34%	22,295	14.98%
2007	12,011	8.07%	157	0.11%	54	0.04%	297	0.20%	11,503	7.73%
2008	12,646	8.50%	156	0.10%	98	0.07%	276	0.19%	12,116	8.14%
2009	1,462	0.98%	451	0.30%	13	0.01%	129	0.09%	869	0.58%
2010	898	0.60%	268	0.18%	9	0.01%	88	0.06%	533	0.36%
2011	261	0.18%	50	0.03%	1	0.00%	23	0.02%	187	0.13%
Total	148,820	100.00%	7,503	5.04%	877	0.59%	3,548	2.38%	136,892	91.98%

A-06 EPA Report 51.366 a.2.xii
 Vehicles Failing the Initial On-board Diagnostic Check (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1996	52,623	10.37%	30,672	6.04%	16,037	3.16%	4,505	0.89%	1,409	0.28%
1997	53,277	10.50%	29,445	5.80%	17,141	3.38%	5,395	1.06%	1,296	0.26%
1998	59,852	11.79%	31,784	6.26%	19,362	3.81%	7,265	1.43%	1,441	0.28%
1999	49,996	9.85%	27,029	5.32%	12,416	2.45%	8,861	1.75%	1,690	0.33%
2000	79,909	15.74%	43,804	8.63%	21,392	4.21%	12,340	2.43%	2,373	0.47%
2001	50,987	10.04%	27,142	5.35%	13,087	2.58%	9,003	1.77%	1,755	0.35%
2002	73,776	14.53%	36,768	7.24%	20,734	4.08%	13,862	2.73%	2,412	0.48%
2003	24,731	4.87%	13,173	2.59%	5,850	1.15%	4,672	0.92%	1,036	0.20%
2004	47,550	9.37%	24,458	4.82%	11,460	2.26%	9,564	1.88%	2,068	0.41%
2005	6,427	1.27%	3,755	0.74%	1,441	0.28%	944	0.19%	287	0.06%
2006	4,578	0.90%	2,672	0.53%	983	0.19%	763	0.15%	160	0.03%
2007	1,817	0.36%	1,138	0.22%	398	0.08%	253	0.05%	28	0.01%
2008	1,121	0.22%	721	0.14%	215	0.04%	163	0.03%	22	0.00%
2009	683	0.13%	507	0.10%	101	0.02%	47	0.01%	28	0.01%
2010	295	0.06%	194	0.04%	42	0.01%	46	0.01%	13	0.00%
2011	19	0.00%	8	0.00%	6	0.00%	1	0.00%	4	0.00%
Total	507,641	100.00%	273,270	53.83%	140,665	27.71%	77,684	15.30%	16,022	3.16%

A-06 EPA Report 51.366 a.2.xii
 Vehicles Failing the Initial On-board Diagnostic Check (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	293	4.65%	88	1.40%	2	0.03%	9	0.14%	194	3.08%
1999	675	10.70%	42	0.67%	3	0.05%	16	0.25%	614	9.74%
2000	483	7.66%	57	0.90%	1	0.02%	11	0.17%	414	6.57%
2001	653	10.36%	70	1.11%	0	0.00%	14	0.22%	569	9.02%
2002	730	11.58%	160	2.54%	4	0.06%	14	0.22%	552	8.75%
2003	1,260	19.98%	157	2.49%	7	0.11%	29	0.46%	1,067	16.92%
2004	836	13.26%	24	0.38%	4	0.06%	21	0.33%	787	12.48%
2005	856	13.57%	31	0.49%	7	0.11%	19	0.30%	799	12.67%
2006	294	4.66%	10	0.16%	3	0.05%	7	0.11%	274	4.35%
2007	108	1.71%	7	0.11%	0	0.00%	4	0.06%	97	1.54%
2008	80	1.27%	7	0.11%	0	0.00%	3	0.05%	70	1.11%
2009	30	0.48%	15	0.24%	0	0.00%	3	0.05%	12	0.19%
2010	8	0.13%	3	0.05%	0	0.00%	0	0.00%	5	0.08%
Total	6,306	100.00%	671	10.64%	31	0.49%	150	2.38%	5,454	86.49%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
Comparison of On-board Diagnostic Checks and Emissions Tests
ASM Test - Passenger Cars (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) ASM Test		Passenger Cars ASM Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Passenger Cars	Pass/Fail	Percent of Passenger Cars	Fail/Pass	Percent of Passenger Cars	Fail/Fail	Percent of Passenger Cars
1996	430,124	6.92%	264,578	4.26%	221,376	6.13%	18,892	0.52%	17,213	0.48%	7,097	0.20%
1997	396,071	6.37%	236,056	3.80%	197,201	5.46%	19,360	0.54%	13,306	0.37%	6,189	0.17%
1998	609,090	9.80%	353,307	5.68%	314,448	8.71%	22,313	0.62%	11,116	0.31%	5,430	0.15%
1999	459,842	7.40%	256,417	4.13%	227,934	6.32%	18,501	0.51%	6,158	0.17%	3,824	0.11%
2000	961,648	15.47%	552,557	8.89%	507,031	14.05%	34,017	0.94%	6,897	0.19%	4,612	0.13%
2001	431,065	6.93%	256,136	4.12%	230,026	6.37%	20,791	0.58%	2,803	0.08%	2,516	0.07%
2002	1,021,299	16.43%	570,966	9.19%	536,253	14.86%	28,950	0.80%	3,340	0.09%	2,423	0.07%
2003	340,948	5.49%	201,588	3.24%	189,199	5.24%	10,259	0.28%	1,277	0.04%	853	0.02%
2004	1,091,983	17.57%	602,111	9.69%	579,855	16.07%	19,476	0.54%	1,675	0.05%	1,105	0.03%
2005	167,816	2.70%	105,041	1.69%	101,683	2.82%	2,929	0.08%	316	0.01%	113	0.00%
2006	142,608	2.29%	92,238	1.48%	89,978	2.49%	1,970	0.05%	233	0.01%	57	0.00%
2007	64,807	1.04%	44,562	0.72%	43,594	1.21%	884	0.02%	72	0.00%	12	0.00%
2008	44,266	0.71%	31,830	0.51%	31,220	0.87%	548	0.02%	53	0.00%	9	0.00%
2009	37,382	0.60%	29,477	0.47%	29,043	0.80%	401	0.01%	33	0.00%	0	0.00%
2010	15,899	0.26%	11,216	0.18%	11,049	0.31%	151	0.00%	15	0.00%	1	0.00%
2011	955	0.02%	602	0.01%	595	0.02%	6	0.00%	1	0.00%	0	0.00%
Total	6,215,803	100.00%	3,608,682	58.06%	3,310,485	91.74%	199,448	5.53%	64,508	1.79%	34,241	0.95%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
Comparison of On-board Diagnostic Checks and Emissions Tests
ASM Test - Light Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) ASM Test		Light Duty Trucks ASM Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Light Duty Trucks	Pass/Fail	Percent of Light Duty Trucks	Fail/Pass	Percent of Light Duty Trucks	Fail/Fail	Percent of Light Duty Trucks
1996	430,124	6.92%	119,505	1.92%	99,023	6.24%	10,566	0.67%	6,699	0.42%	3,217	0.20%
1997	396,071	6.37%	112,371	1.81%	91,844	5.78%	10,940	0.69%	6,328	0.40%	3,259	0.21%
1998	609,090	9.80%	185,085	2.98%	161,504	10.17%	13,224	0.83%	7,390	0.47%	2,967	0.19%
1999	459,842	7.40%	122,209	1.97%	108,489	6.83%	8,795	0.55%	3,421	0.22%	1,504	0.09%
2000	961,648	15.47%	268,914	4.33%	246,510	15.52%	16,231	1.02%	4,259	0.27%	1,914	0.12%
2001	431,065	6.93%	103,347	1.66%	91,906	5.79%	9,877	0.62%	729	0.05%	835	0.05%
2002	1,021,299	16.43%	266,265	4.28%	249,327	15.70%	14,849	0.94%	991	0.06%	1,098	0.07%
2003	340,948	5.49%	73,312	1.18%	68,462	4.31%	4,332	0.27%	285	0.02%	233	0.01%
2004	1,091,983	17.57%	251,316	4.04%	242,164	15.25%	8,080	0.51%	643	0.04%	429	0.03%
2005	167,816	2.70%	34,590	0.56%	33,435	2.11%	1,032	0.06%	96	0.01%	27	0.00%
2006	142,608	2.29%	26,521	0.43%	25,740	1.62%	730	0.05%	42	0.00%	9	0.00%
2007	64,807	1.04%	10,720	0.17%	10,446	0.66%	256	0.02%	16	0.00%	2	0.00%
2008	44,266	0.71%	6,772	0.11%	6,615	0.42%	140	0.01%	16	0.00%	1	0.00%
2009	37,382	0.60%	4,664	0.08%	4,594	0.29%	63	0.00%	7	0.00%	0	0.00%
2010	15,899	0.26%	2,235	0.04%	2,206	0.14%	26	0.00%	2	0.00%	1	0.00%
2011	955	0.02%	197	0.00%	194	0.01%	2	0.00%	1	0.00%	0	0.00%
Total	6,215,803	100.00%	1,588,023	25.55%	1,442,459	90.83%	99,143	6.24%	30,925	1.95%	15,496	0.98%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
Comparison of On-board Diagnostic Checks and Emissions Tests
ASM Test - Medium Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) ASM Test		Medium Duty Trucks ASM Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Medium Duty Trucks	Pass/Fail	Percent of Medium Duty Trucks	Fail/Pass	Percent of Medium Duty Trucks	Fail/Fail	Percent of Medium Duty Trucks
1996	430,124	6.92%	37,103	0.60%	32,748	3.72%	3,201	0.36%	746	0.08%	408	0.05%
1997	396,071	6.37%	40,089	0.64%	35,056	3.98%	3,955	0.45%	530	0.06%	548	0.06%
1998	609,090	9.80%	61,681	0.99%	55,187	6.26%	5,453	0.62%	522	0.06%	519	0.06%
1999	459,842	7.40%	70,287	1.13%	62,828	7.13%	6,470	0.73%	488	0.06%	501	0.06%
2000	961,648	15.47%	116,236	1.87%	107,429	12.19%	8,151	0.93%	284	0.03%	372	0.04%
2001	431,065	6.93%	59,740	0.96%	53,400	6.06%	6,007	0.68%	151	0.02%	182	0.02%
2002	1,021,299	16.43%	160,200	2.58%	149,931	17.02%	9,819	1.11%	167	0.02%	283	0.03%
2003	340,948	5.49%	56,816	0.91%	53,350	6.06%	3,235	0.37%	89	0.01%	142	0.02%
2004	1,091,983	17.57%	214,472	3.45%	207,374	23.54%	6,788	0.77%	121	0.01%	189	0.02%
2005	167,816	2.70%	24,684	0.40%	23,976	2.72%	659	0.07%	32	0.00%	17	0.00%
2006	142,608	2.29%	21,096	0.34%	20,583	2.34%	477	0.05%	21	0.00%	15	0.00%
2007	64,807	1.04%	8,704	0.14%	8,547	0.97%	152	0.02%	3	0.00%	2	0.00%
2008	44,266	0.71%	5,151	0.08%	5,048	0.57%	102	0.01%	1	0.00%	0	0.00%
2009	37,382	0.60%	2,698	0.04%	2,666	0.30%	32	0.00%	0	0.00%	0	0.00%
2010	15,899	0.26%	1,941	0.03%	1,914	0.22%	26	0.00%	1	0.00%	0	0.00%
2011	955	0.02%	80	0.00%	80	0.01%	0	0.00%	0	0.00%	0	0.00%
Total	6,215,803	100.00%	880,978	14.17%	820,117	93.09%	54,527	6.19%	3,156	0.36%	3,178	0.36%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
Comparison of On-board Diagnostic Checks and Emissions Tests
ASM Test - Heavy Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) ASM Test		Heavy Duty Trucks ASM Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Heavy Duty Trucks	Pass/Fail	Percent of Heavy Duty Trucks	Fail/Pass	Percent of Heavy Duty Trucks	Fail/Fail	Percent of Heavy Duty Trucks
1996	430,124	6.92%	8,938	0.14%	7,988	5.78%	789	0.57%	119	0.09%	42	0.03%
1997	396,071	6.37%	7,555	0.12%	6,673	4.83%	721	0.52%	108	0.08%	53	0.04%
1998	609,090	9.80%	9,017	0.15%	8,067	5.84%	814	0.59%	64	0.05%	72	0.05%
1999	459,842	7.40%	10,929	0.18%	9,857	7.14%	927	0.67%	76	0.06%	69	0.05%
2000	961,648	15.47%	23,941	0.39%	22,405	16.22%	1,386	1.00%	91	0.07%	59	0.04%
2001	431,065	6.93%	11,842	0.19%	10,657	7.72%	1,122	0.81%	32	0.02%	31	0.02%
2002	1,021,299	16.43%	23,868	0.38%	22,233	16.10%	1,565	1.13%	39	0.03%	31	0.02%
2003	340,948	5.49%	9,232	0.15%	8,590	6.22%	604	0.44%	26	0.02%	12	0.01%
2004	1,091,983	17.57%	24,084	0.39%	22,934	16.60%	1,115	0.81%	14	0.01%	21	0.02%
2005	167,816	2.70%	3,501	0.06%	3,322	2.41%	174	0.13%	3	0.00%	2	0.00%
2006	142,608	2.29%	2,753	0.04%	2,664	1.93%	86	0.06%	2	0.00%	1	0.00%
2007	64,807	1.04%	821	0.01%	809	0.59%	12	0.01%	0	0.00%	0	0.00%
2008	44,266	0.71%	513	0.01%	500	0.36%	13	0.01%	0	0.00%	0	0.00%
2009	37,382	0.60%	543	0.01%	522	0.38%	21	0.02%	0	0.00%	0	0.00%
2010	15,899	0.26%	507	0.01%	500	0.36%	7	0.01%	0	0.00%	0	0.00%
2011	955	0.02%	76	0.00%	74	0.05%	2	0.00%	0	0.00%	0	0.00%
Total	6,215,803	100.00%	138,120	2.22%	127,795	92.52%	9,358	6.78%	574	0.42%	393	0.28%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
Comparison of On-board Diagnostic Checks and Emissions Tests
TSI Test - Passenger Cars (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) TSI Test		Passenger Cars TSI Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Passenger Cars	Pass/Fail	Percent of Passenger Cars	Fail/Pass	Percent of Passenger Cars	Fail/Fail	Percent of Passenger Cars
1996	83,261	4.94%	39,896	2.37%	34,514	4.99%	4,285	0.62%	699	0.10%	398	0.06%
1997	89,282	5.30%	41,243	2.45%	36,677	5.30%	3,597	0.52%	670	0.10%	299	0.04%
1998	128,230	7.61%	59,518	3.53%	55,011	7.95%	3,768	0.54%	466	0.07%	273	0.04%
1999	121,567	7.22%	55,486	3.29%	50,304	7.27%	4,359	0.63%	479	0.07%	344	0.05%
2000	222,201	13.19%	86,895	5.16%	81,260	11.74%	4,945	0.71%	460	0.07%	230	0.03%
2001	116,267	6.90%	47,919	2.84%	43,884	6.34%	3,702	0.53%	201	0.03%	132	0.02%
2002	293,946	17.45%	109,326	6.49%	103,691	14.98%	5,271	0.76%	240	0.03%	124	0.02%
2003	106,213	6.30%	42,351	2.51%	40,154	5.80%	1,992	0.29%	136	0.02%	69	0.01%
2004	348,115	20.66%	126,632	7.52%	122,549	17.70%	3,772	0.54%	206	0.03%	105	0.02%
2005	58,003	3.44%	25,911	1.54%	25,146	3.63%	704	0.10%	53	0.01%	8	0.00%
2006	51,475	3.06%	24,311	1.44%	23,563	3.40%	627	0.09%	103	0.01%	18	0.00%
2007	26,986	1.60%	12,724	0.76%	12,467	1.80%	240	0.03%	15	0.00%	2	0.00%
2008	18,046	1.07%	9,081	0.54%	8,909	1.29%	163	0.02%	8	0.00%	1	0.00%
2009	12,034	0.71%	7,023	0.42%	6,913	1.00%	106	0.02%	4	0.00%	0	0.00%
2010	7,971	0.47%	3,433	0.20%	3,390	0.49%	40	0.01%	2	0.00%	1	0.00%
2011	999	0.06%	441	0.03%	439	0.06%	2	0.00%	0	0.00%	0	0.00%
Total	1,684,596	100.00%	692,190	41.09%	648,871	93.74%	37,573	5.43%	3,742	0.54%	2,004	0.29%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
Comparison of On-board Diagnostic Checks and Emissions Tests
TSI Test - Light Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) TSI Test		Light Duty Trucks TSI Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Light Duty Trucks	Pass/Fail	Percent of Light Duty Trucks	Fail/Pass	Percent of Light Duty Trucks	Fail/Fail	Percent of Light Duty Trucks
1996	83,261	4.94%	24,685	1.47%	22,107	4.32%	2,054	0.40%	324	0.06%	200	0.04%
1997	89,282	5.30%	29,956	1.78%	26,643	5.21%	2,701	0.53%	371	0.07%	241	0.05%
1998	128,230	7.61%	43,268	2.57%	39,814	7.78%	2,948	0.58%	283	0.06%	223	0.04%
1999	121,567	7.22%	32,233	1.91%	29,926	5.85%	1,981	0.39%	190	0.04%	136	0.03%
2000	222,201	13.19%	61,476	3.65%	58,091	11.35%	3,096	0.60%	138	0.03%	151	0.03%
2001	116,267	6.90%	30,521	1.81%	28,071	5.49%	2,310	0.45%	75	0.01%	65	0.01%
2002	293,946	17.45%	95,980	5.70%	91,131	17.81%	4,681	0.91%	62	0.01%	106	0.02%
2003	106,213	6.30%	29,660	1.76%	28,347	5.54%	1,251	0.24%	28	0.01%	34	0.01%
2004	348,115	20.66%	118,976	7.06%	115,985	22.66%	2,894	0.57%	40	0.01%	57	0.01%
2005	58,003	3.44%	17,064	1.01%	16,677	3.26%	375	0.07%	5	0.00%	7	0.00%
2006	51,475	3.06%	11,643	0.69%	11,393	2.23%	244	0.05%	6	0.00%	0	0.00%
2007	26,986	1.60%	6,777	0.40%	6,636	1.30%	140	0.03%	1	0.00%	0	0.00%
2008	18,046	1.07%	4,480	0.27%	4,406	0.86%	74	0.01%	0	0.00%	0	0.00%
2009	12,034	0.71%	2,749	0.16%	2,709	0.53%	38	0.01%	2	0.00%	0	0.00%
2010	7,971	0.47%	2,072	0.12%	2,057	0.40%	15	0.00%	0	0.00%	0	0.00%
2011	999	0.06%	225	0.01%	221	0.04%	4	0.00%	0	0.00%	0	0.00%
Total	1,684,596	100.00%	511,765	30.38%	484,214	94.62%	24,806	4.85%	1,525	0.30%	1,220	0.24%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
Comparison of On-board Diagnostic Checks and Emissions Tests
TSI Test - Medium Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) TSI Test		Medium Duty Trucks TSI Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Medium Duty Trucks	Pass/Fail	Percent of Medium Duty Trucks	Fail/Pass	Percent of Medium Duty Trucks	Fail/Fail	Percent of Medium Duty Trucks
1996	83,261	4.94%	9,964	0.59%	8,915	2.43%	787	0.21%	153	0.04%	109	0.03%
1997	89,282	5.30%	10,426	0.62%	9,407	2.56%	805	0.22%	127	0.03%	87	0.02%
1998	128,230	7.61%	16,940	1.01%	15,535	4.23%	1,189	0.32%	112	0.03%	104	0.03%
1999	121,567	7.22%	23,744	1.41%	21,740	5.92%	1,766	0.48%	114	0.03%	124	0.03%
2000	222,201	13.19%	56,474	3.35%	52,581	14.31%	3,694	1.01%	76	0.02%	123	0.03%
2001	116,267	6.90%	30,080	1.79%	27,226	7.41%	2,762	0.75%	40	0.01%	52	0.01%
2002	293,946	17.45%	72,849	4.32%	69,055	18.79%	3,706	1.01%	34	0.01%	54	0.01%
2003	106,213	6.30%	26,028	1.55%	24,697	6.72%	1,261	0.34%	36	0.01%	34	0.01%
2004	348,115	20.66%	81,950	4.86%	79,333	21.59%	2,547	0.69%	30	0.01%	40	0.01%
2005	58,003	3.44%	11,839	0.70%	11,566	3.15%	262	0.07%	5	0.00%	6	0.00%
2006	51,475	3.06%	13,102	0.78%	12,822	3.49%	268	0.07%	9	0.00%	3	0.00%
2007	26,986	1.60%	6,555	0.39%	6,455	1.76%	99	0.03%	1	0.00%	0	0.00%
2008	18,046	1.07%	3,900	0.23%	3,838	1.04%	61	0.02%	1	0.00%	0	0.00%
2009	12,034	0.71%	1,789	0.11%	1,774	0.48%	15	0.00%	0	0.00%	0	0.00%
2010	7,971	0.47%	1,669	0.10%	1,649	0.45%	20	0.01%	0	0.00%	0	0.00%
2011	999	0.06%	156	0.01%	155	0.04%	1	0.00%	0	0.00%	0	0.00%
Total	1,684,596	100.00%	367,465	21.81%	346,748	94.36%	19,243	5.24%	738	0.20%	736	0.20%

A-06 EPA Report 51.366 a.2.xiii, a.2.xiv
 Comparison of On-board Diagnostic Checks and Emissions Tests
 TSI Test - Heavy Duty Trucks (Non-Diesel)
 Year:2010

Vehicle Model Year	All Vehicles (PC+LT+MT+HT) TSI Test		Heavy Duty Trucks TSI Test		Pass Emissions Pass OBD Check		Pass Emissions Fail OBD Check		Fail Emissions Pass OBD Check		Fail Emissions Fail OBD Check	
	All	Percent	All	Percent of All Vehicles	Pass/Pass	Percent of Heavy Duty Trucks	Pass/Fail	Percent of Heavy Duty Trucks	Fail/Pass	Percent of Heavy Duty Trucks	Fail/Fail	Percent of Heavy Duty Trucks
1996	83,261	4.94%	8,716	0.52%	7,872	6.96%	518	0.46%	266	0.24%	60	0.05%
1997	89,282	5.30%	7,657	0.45%	6,872	6.07%	463	0.41%	263	0.23%	59	0.05%
1998	128,230	7.61%	8,504	0.50%	7,633	6.74%	475	0.42%	316	0.28%	80	0.07%
1999	121,567	7.22%	10,104	0.60%	9,187	8.12%	645	0.57%	223	0.20%	49	0.04%
2000	222,201	13.19%	17,356	1.03%	16,106	14.23%	858	0.76%	322	0.28%	70	0.06%
2001	116,267	6.90%	7,747	0.46%	7,058	6.24%	588	0.52%	87	0.08%	14	0.01%
2002	293,946	17.45%	15,791	0.94%	14,857	13.13%	789	0.70%	118	0.10%	27	0.02%
2003	106,213	6.30%	8,174	0.49%	7,713	6.82%	413	0.36%	41	0.04%	7	0.01%
2004	348,115	20.66%	20,557	1.22%	19,549	17.27%	918	0.81%	76	0.07%	14	0.01%
2005	58,003	3.44%	3,189	0.19%	3,072	2.71%	110	0.10%	6	0.01%	1	0.00%
2006	51,475	3.06%	2,419	0.14%	2,339	2.07%	73	0.06%	7	0.01%	0	0.00%
2007	26,986	1.60%	930	0.06%	914	0.81%	16	0.01%	0	0.00%	0	0.00%
2008	18,046	1.07%	585	0.03%	576	0.51%	9	0.01%	0	0.00%	0	0.00%
2009	12,034	0.71%	473	0.03%	466	0.41%	7	0.01%	0	0.00%	0	0.00%
2010	7,971	0.47%	797	0.05%	790	0.70%	6	0.01%	1	0.00%	0	0.00%
2011	999	0.06%	177	0.01%	175	0.15%	2	0.00%	0	0.00%	0	0.00%
Total	1,684,596	100.00%	113,176	6.72%	105,179	92.93%	5,890	5.20%	1,726	1.53%	381	0.34%

A-06 EPA Report 51.366 a.2.xv, a.2.xvi, a.2.xvii, a.2.xviii
 Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
 Passenger Cars (Non-Diesel)
 Year:2010

Vehicle Model Year	All Vehicles All Test Types		Passenger Cars All Test Types		Pass Fuel Cap Pass OBD		Pass Fuel Cap Fail OBD		Fail Fuel Cap Pass OBD		Fail Fuel Cap Fail OBD	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars
1996	504,254	11.86%	298,046	7.01%	267,516	11.39%	28,167	1.20%	921	0.04%	1,442	0.06%
1997	473,539	11.13%	268,967	6.32%	239,513	10.20%	27,121	1.16%	856	0.04%	1,477	0.06%
1998	714,940	16.81%	397,184	9.34%	365,550	15.57%	29,001	1.24%	965	0.04%	1,668	0.07%
1999	556,616	13.09%	295,935	6.96%	269,576	11.48%	24,389	1.04%	661	0.03%	1,309	0.06%
2000	469,171	11.03%	253,864	5.97%	235,211	10.02%	17,099	0.73%	533	0.02%	1,021	0.04%
2001	210,300	4.94%	115,657	2.72%	104,988	4.47%	9,842	0.42%	264	0.01%	563	0.02%
2002	450,692	10.60%	233,865	5.50%	220,669	9.40%	11,858	0.51%	531	0.02%	807	0.03%
2003	162,163	3.81%	87,535	2.06%	82,513	3.51%	4,580	0.20%	182	0.01%	260	0.01%
2004	465,631	10.95%	242,589	5.70%	234,185	9.97%	7,515	0.32%	467	0.02%	422	0.02%
2005	77,140	1.81%	45,259	1.06%	43,840	1.87%	1,291	0.05%	77	0.00%	51	0.00%
2006	79,050	1.86%	47,993	1.13%	46,772	1.99%	1,111	0.05%	70	0.00%	40	0.00%
2007	36,967	0.87%	23,630	0.56%	23,117	0.98%	466	0.02%	32	0.00%	15	0.00%
2008	25,270	0.59%	16,968	0.40%	16,603	0.71%	339	0.01%	22	0.00%	4	0.00%
2009	20,162	0.47%	15,388	0.36%	15,102	0.64%	257	0.01%	25	0.00%	4	0.00%
2010	7,053	0.17%	4,559	0.11%	4,473	0.19%	79	0.00%	6	0.00%	1	0.00%
2011	485	0.01%	313	0.01%	310	0.01%	3	0.00%	0	0.00%	0	0.00%
Total	4,253,433	100.00%	2,347,752	55.20%	2,169,938	92.43%	163,118	6.95%	5,612	0.24%	9,084	0.39%

A-06 EPA Report 51.366 a.2.xv, a.2.xvi, a.2.xvii, a.2.xviii
Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
Light Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Light Duty Trucks All Test Types		Pass Fuel Cap Pass OBD		Pass Fuel Cap Fail OBD		Fail Fuel Cap Pass OBD		Fail Fuel Cap Fail OBD	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks
1996	504,254	11.86%	142,405	3.35%	126,077	10.82%	14,768	1.27%	570	0.05%	990	0.08%
1997	473,539	11.13%	140,203	3.30%	122,697	10.53%	15,611	1.34%	673	0.06%	1,222	0.10%
1998	714,940	16.81%	224,368	5.27%	204,641	17.56%	17,830	1.53%	758	0.07%	1,139	0.10%
1999	556,616	13.09%	150,139	3.53%	137,684	11.81%	11,337	0.97%	401	0.03%	717	0.06%
2000	469,171	11.03%	132,020	3.10%	122,775	10.53%	8,250	0.71%	362	0.03%	633	0.05%
2001	210,300	4.94%	51,698	1.22%	46,483	3.99%	4,731	0.41%	128	0.01%	356	0.03%
2002	450,692	10.60%	123,123	2.89%	115,770	9.93%	6,582	0.56%	273	0.02%	498	0.04%
2003	162,163	3.81%	37,029	0.87%	34,773	2.98%	1,964	0.17%	70	0.01%	222	0.02%
2004	465,631	10.95%	116,885	2.75%	113,054	9.70%	3,354	0.29%	219	0.02%	258	0.02%
2005	77,140	1.81%	17,015	0.40%	16,455	1.41%	499	0.04%	32	0.00%	29	0.00%
2006	79,050	1.86%	15,444	0.36%	15,028	1.29%	379	0.03%	23	0.00%	14	0.00%
2007	36,967	0.87%	6,641	0.16%	6,481	0.56%	144	0.01%	12	0.00%	4	0.00%
2008	25,270	0.59%	4,439	0.10%	4,340	0.37%	93	0.01%	4	0.00%	2	0.00%
2009	20,162	0.47%	2,836	0.07%	2,775	0.24%	56	0.00%	4	0.00%	1	0.00%
2010	7,053	0.17%	1,176	0.03%	1,162	0.10%	13	0.00%	1	0.00%	0	0.00%
2011	485	0.01%	81	0.00%	79	0.01%	2	0.00%	0	0.00%	0	0.00%
Total	4,253,433	100.00%	1,165,502	27.40%	1,070,274	91.83%	85,613	7.35%	3,530	0.30%	6,085	0.52%

A-06 EPA Report 51.366 a.2.xv, a.2.xvi, a.2.xvii, a.2.xviii
Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
Medium Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Medium Duty Trucks All Test Types		Pass Fuel Cap Pass OBD		Pass Fuel Cap Fail OBD		Fail Fuel Cap Pass OBD		Fail Fuel Cap Fail OBD	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks
1996	504,254	11.86%	46,616	1.10%	42,009	6.92%	4,156	0.68%	153	0.03%	298	0.05%
1997	473,539	11.13%	49,754	1.17%	44,322	7.30%	4,927	0.81%	132	0.02%	373	0.06%
1998	714,940	16.81%	76,658	1.80%	69,433	11.44%	6,773	1.12%	129	0.02%	323	0.05%
1999	556,616	13.09%	90,812	2.14%	82,044	13.52%	8,201	1.35%	162	0.03%	405	0.07%
2000	469,171	11.03%	67,224	1.58%	62,081	10.23%	4,721	0.78%	127	0.02%	295	0.05%
2001	210,300	4.94%	35,164	0.83%	31,544	5.20%	3,322	0.55%	71	0.01%	227	0.04%
2002	450,692	10.60%	79,960	1.88%	75,050	12.37%	4,429	0.73%	135	0.02%	346	0.06%
2003	162,163	3.81%	30,951	0.73%	29,183	4.81%	1,612	0.27%	49	0.01%	107	0.02%
2004	465,631	10.95%	91,514	2.15%	88,373	14.56%	2,764	0.46%	160	0.03%	217	0.04%
2005	77,140	1.81%	12,548	0.30%	12,186	2.01%	320	0.05%	23	0.00%	19	0.00%
2006	79,050	1.86%	13,617	0.32%	13,292	2.19%	304	0.05%	13	0.00%	8	0.00%
2007	36,967	0.87%	6,028	0.14%	5,922	0.98%	98	0.02%	4	0.00%	4	0.00%
2008	25,270	0.59%	3,454	0.08%	3,379	0.56%	69	0.01%	5	0.00%	1	0.00%
2009	20,162	0.47%	1,582	0.04%	1,554	0.26%	25	0.00%	2	0.00%	1	0.00%
2010	7,053	0.17%	884	0.02%	866	0.14%	11	0.00%	7	0.00%	0	0.00%
2011	485	0.01%	40	0.00%	39	0.01%	1	0.00%	0	0.00%	0	0.00%
Total	4,253,433	100.00%	606,806	14.27%	561,277	92.50%	41,733	6.88%	1,172	0.19%	2,624	0.43%

A-06 EPA Report 51.366 a.2.xv, a.2.xvi, a.2.xvii, a.2.xviii
Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
Heavy Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Heavy Duty Trucks All Test Types		Pass Fuel Cap Pass OBD		Pass Fuel Cap Fail OBD		Fail Fuel Cap Pass OBD		Fail Fuel Cap Fail OBD	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks
1996	504,254	11.86%	17,187	0.40%	15,750	11.81%	1,263	0.95%	58	0.04%	116	0.09%
1997	473,539	11.13%	14,615	0.34%	13,314	9.98%	1,179	0.88%	46	0.03%	76	0.06%
1998	714,940	16.81%	16,730	0.39%	15,291	11.46%	1,288	0.97%	54	0.04%	97	0.07%
1999	556,616	13.09%	19,730	0.46%	18,087	13.56%	1,487	1.11%	45	0.03%	111	0.08%
2000	469,171	11.03%	16,063	0.38%	15,043	11.28%	896	0.67%	38	0.03%	86	0.06%
2001	210,300	4.94%	7,781	0.18%	7,125	5.34%	586	0.44%	17	0.01%	53	0.04%
2002	450,692	10.60%	13,744	0.32%	12,924	9.69%	730	0.55%	31	0.02%	59	0.04%
2003	162,163	3.81%	6,648	0.16%	6,256	4.69%	338	0.25%	30	0.02%	24	0.02%
2004	465,631	10.95%	14,643	0.34%	13,946	10.46%	583	0.44%	39	0.03%	75	0.06%
2005	77,140	1.81%	2,318	0.05%	2,215	1.66%	91	0.07%	8	0.01%	4	0.00%
2006	79,050	1.86%	1,996	0.05%	1,937	1.45%	59	0.04%	0	0.00%	0	0.00%
2007	36,967	0.87%	668	0.02%	656	0.49%	12	0.01%	0	0.00%	0	0.00%
2008	25,270	0.59%	409	0.01%	398	0.30%	10	0.01%	1	0.00%	0	0.00%
2009	20,162	0.47%	356	0.01%	340	0.25%	12	0.01%	2	0.00%	2	0.00%
2010	7,053	0.17%	434	0.01%	430	0.32%	3	0.00%	1	0.00%	0	0.00%
2011	485	0.01%	51	0.00%	51	0.04%	0	0.00%	0	0.00%	0	0.00%
Total	4,253,433	100.00%	133,373	3.14%	123,763	92.79%	8,537	6.40%	370	0.28%	703	0.53%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
Comparison of MIL Command Status and Stored DTCs
Passenger Cars (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Passenger Cars All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars
1996	506,020	6.91%	302,002	4.12%	294	0.01%	17,775	0.45%	259,677	6.51%	24,256	0.61%
1997	479,095	6.54%	275,345	3.76%	291	0.01%	16,062	0.40%	233,746	5.86%	25,246	0.63%
1998	730,356	9.97%	410,694	5.61%	398	0.01%	17,765	0.45%	357,175	8.96%	35,356	0.89%
1999	574,191	7.84%	309,847	4.23%	366	0.01%	14,508	0.36%	268,115	6.73%	26,858	0.67%
2000	1,172,795	16.01%	636,150	8.68%	618	0.02%	26,304	0.66%	559,846	14.04%	49,382	1.24%
2001	542,131	7.40%	302,076	4.12%	325	0.01%	13,540	0.34%	259,864	6.52%	28,347	0.71%
2002	1,304,569	17.81%	677,358	9.25%	612	0.02%	20,187	0.51%	602,081	15.10%	54,478	1.37%
2003	428,443	5.85%	229,077	3.13%	106	0.00%	6,343	0.16%	207,458	5.20%	15,170	0.38%
2004	1,287,123	17.57%	657,086	8.97%	139	0.00%	11,583	0.29%	611,872	15.35%	33,492	0.84%
2005	159,365	2.18%	98,411	1.34%	14	0.00%	977	0.02%	93,514	2.35%	3,906	0.10%
2006	94,059	1.28%	55,683	0.76%	4	0.00%	266	0.01%	53,540	1.34%	1,873	0.05%
2007	27,205	0.37%	18,389	0.25%	5	0.00%	56	0.00%	17,832	0.45%	496	0.01%
2008	10,234	0.14%	6,985	0.10%	1	0.00%	22	0.00%	6,800	0.17%	162	0.00%
2009	6,681	0.09%	5,080	0.07%	0	0.00%	8	0.00%	4,999	0.13%	73	0.00%
2010	3,535	0.05%	2,321	0.03%	0	0.00%	5	0.00%	2,293	0.06%	23	0.00%
2011	218	0.00%	126	0.00%	0	0.00%	1	0.00%	125	0.00%	0	0.00%
Total	7,326,020	100.00%	3,986,630	54.42%	3,173	0.08%	145,402	3.65%	3,538,937	88.77%	299,118	7.50%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
Comparison of MIL Command Status and Stored DTCs
Passenger Cars (Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Passenger Cars All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars	Count	Percent of Passenger Cars
1998	2,611	3.50%	485	0.65%	0	0.00%	68	1.11%	395	6.46%	22	0.36%
1999	8,760	11.73%	512	0.69%	0	0.00%	28	0.46%	448	7.33%	36	0.59%
2000	7,983	10.69%	464	0.62%	0	0.00%	41	0.67%	404	6.61%	19	0.31%
2001	11,292	15.12%	506	0.68%	1	0.02%	41	0.67%	434	7.10%	30	0.49%
2002	12,358	16.55%	1,235	1.65%	0	0.00%	119	1.95%	1,042	17.05%	74	1.21%
2003	10,136	13.57%	1,281	1.72%	9	0.15%	104	1.70%	1,096	17.94%	72	1.18%
2004	9,807	13.13%	514	0.69%	1	0.02%	10	0.16%	460	7.53%	43	0.70%
2005	10,115	13.55%	729	0.98%	0	0.00%	16	0.26%	682	11.16%	31	0.51%
2006	1,508	2.02%	335	0.45%	0	0.00%	3	0.05%	324	5.30%	8	0.13%
2007	54	0.07%	13	0.02%	0	0.00%	0	0.00%	13	0.21%	0	0.00%
2008	19	0.03%	8	0.01%	0	0.00%	0	0.00%	7	0.11%	1	0.02%
2009	29	0.04%	24	0.03%	0	0.00%	0	0.00%	24	0.39%	0	0.00%
2010	4	0.01%	4	0.01%	0	0.00%	0	0.00%	4	0.07%	0	0.00%
Total	74,676	100.00%	6,110	8.18%	11	0.18%	430	7.04%	5,333	87.28%	336	5.50%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
Comparison of MIL Command Status and Stored DTCs
Light Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Light Duty Trucks All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks
1996	506,020	6.91%	143,321	1.96%	58	0.00%	8,891	0.44%	118,397	5.90%	15,975	0.80%
1997	479,095	6.54%	141,488	1.93%	17	0.00%	8,848	0.44%	116,050	5.78%	16,573	0.83%
1998	730,356	9.97%	227,482	3.11%	19	0.00%	10,144	0.51%	197,264	9.83%	20,055	1.00%
1999	574,191	7.84%	153,801	2.10%	27	0.00%	6,386	0.32%	134,968	6.73%	12,420	0.62%
2000	1,172,795	16.01%	329,115	4.49%	32	0.00%	12,108	0.60%	279,663	13.94%	37,312	1.86%
2001	542,131	7.40%	133,294	1.82%	72	0.00%	6,514	0.32%	118,300	5.90%	8,408	0.42%
2002	1,304,569	17.81%	360,924	4.93%	163	0.01%	11,695	0.58%	316,494	15.77%	32,572	1.62%
2003	428,443	5.85%	102,298	1.40%	53	0.00%	2,899	0.14%	91,300	4.55%	8,046	0.40%
2004	1,287,123	17.57%	346,376	4.73%	16	0.00%	6,153	0.31%	312,841	15.59%	27,366	1.36%
2005	159,365	2.18%	36,789	0.50%	0	0.00%	409	0.02%	34,773	1.73%	1,607	0.08%
2006	94,059	1.28%	22,938	0.31%	4	0.00%	137	0.01%	21,936	1.09%	861	0.04%
2007	27,205	0.37%	5,533	0.08%	0	0.00%	21	0.00%	5,370	0.27%	142	0.01%
2008	10,234	0.14%	1,719	0.02%	0	0.00%	4	0.00%	1,675	0.08%	40	0.00%
2009	6,681	0.09%	873	0.01%	0	0.00%	1	0.00%	865	0.04%	7	0.00%
2010	3,535	0.05%	599	0.01%	0	0.00%	2	0.00%	591	0.03%	6	0.00%
2011	218	0.00%	59	0.00%	0	0.00%	0	0.00%	59	0.00%	0	0.00%
Total	7,326,020	100.00%	2,006,609	27.39%	461	0.02%	74,212	3.70%	1,750,546	87.24%	181,390	9.04%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
Comparison of MIL Command Status and Stored DTCs
Light Duty Trucks (Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Light Duty Trucks All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks	Count	Percent of Light Duty Trucks
1998	2,611	3.50%	14	0.02%	0	0.00%	2	0.43%	8	1.71%	4	0.86%
1999	8,760	11.73%	20	0.03%	0	0.00%	3	0.64%	16	3.43%	1	0.21%
2000	7,983	10.69%	28	0.04%	0	0.00%	0	0.00%	27	5.78%	1	0.21%
2001	11,292	15.12%	47	0.06%	0	0.00%	0	0.00%	44	9.42%	3	0.64%
2002	12,358	16.55%	33	0.04%	0	0.00%	2	0.43%	27	5.78%	4	0.86%
2003	10,136	13.57%	37	0.05%	6	1.28%	2	0.43%	27	5.78%	2	0.43%
2004	9,807	13.13%	58	0.08%	0	0.00%	2	0.43%	49	10.49%	7	1.50%
2005	10,115	13.55%	137	0.18%	0	0.00%	5	1.07%	113	24.20%	19	4.07%
2006	1,508	2.02%	92	0.12%	0	0.00%	1	0.21%	84	17.99%	7	1.50%
2007	54	0.07%	1	0.00%	0	0.00%	0	0.00%	1	0.21%	0	0.00%
2008	19	0.03%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2009	29	0.04%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2010	4	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	74,676	100.00%	467	0.63%	6	1.28%	17	3.64%	396	84.80%	48	10.28%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
Comparison of MIL Command Status and Stored DTCs
Medium Duty Trucks (Non-Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Medium Duty Trucks All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks
1996	506,020	6.91%	46,775	0.64%	11	0.00%	2,592	0.23%	39,360	3.48%	4,812	0.43%
1997	479,095	6.54%	50,251	0.69%	9	0.00%	3,160	0.28%	43,249	3.82%	3,833	0.34%
1998	730,356	9.97%	78,159	1.07%	16	0.00%	3,657	0.32%	68,039	6.02%	6,447	0.57%
1999	574,191	7.84%	93,510	1.28%	46	0.00%	4,198	0.37%	82,741	7.32%	6,525	0.58%
2000	1,172,795	16.01%	171,990	2.35%	66	0.01%	6,255	0.55%	155,498	13.75%	10,171	0.90%
2001	542,131	7.40%	89,349	1.22%	41	0.00%	3,618	0.32%	80,637	7.13%	5,053	0.45%
2002	1,304,569	17.81%	232,153	3.17%	75	0.01%	6,998	0.62%	214,470	18.96%	10,610	0.94%
2003	428,443	5.85%	82,173	1.12%	17	0.00%	2,263	0.20%	75,777	6.70%	4,116	0.36%
2004	1,287,123	17.57%	247,741	3.38%	14	0.00%	3,862	0.34%	235,789	20.85%	8,076	0.71%
2005	159,365	2.18%	20,197	0.28%	1	0.00%	173	0.02%	19,129	1.69%	894	0.08%
2006	94,059	1.28%	13,248	0.18%	4	0.00%	69	0.01%	12,701	1.12%	474	0.04%
2007	27,205	0.37%	2,790	0.04%	1	0.00%	11	0.00%	2,676	0.24%	102	0.01%
2008	10,234	0.14%	1,449	0.02%	0	0.00%	1	0.00%	1,409	0.12%	39	0.00%
2009	6,681	0.09%	629	0.01%	0	0.00%	1	0.00%	622	0.05%	6	0.00%
2010	3,535	0.05%	513	0.01%	0	0.00%	0	0.00%	509	0.05%	4	0.00%
2011	218	0.00%	27	0.00%	0	0.00%	0	0.00%	27	0.00%	0	0.00%
Total	7,326,020	100.00%	1,130,954	15.44%	301	0.03%	36,858	3.26%	1,032,633	91.31%	61,162	5.41%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
Comparison of MIL Command Status and Stored DTCs
Medium Duty Trucks (Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Medium Duty Trucks All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks	Count	Percent of Medium Duty Trucks
1998	2,611	3.50%	85	0.11%	0	0.00%	5	0.26%	50	2.57%	30	1.54%
1999	8,760	11.73%	238	0.32%	0	0.00%	8	0.41%	201	10.34%	29	1.49%
2000	7,983	10.69%	158	0.21%	1	0.05%	9	0.46%	135	6.94%	13	0.67%
2001	11,292	15.12%	257	0.34%	0	0.00%	8	0.41%	218	11.21%	31	1.59%
2002	12,358	16.55%	273	0.37%	2	0.10%	8	0.41%	233	11.99%	30	1.54%
2003	10,136	13.57%	254	0.34%	12	0.62%	15	0.77%	186	9.57%	41	2.11%
2004	9,807	13.13%	304	0.41%	0	0.00%	7	0.36%	273	14.04%	24	1.23%
2005	10,115	13.55%	292	0.39%	0	0.00%	6	0.31%	258	13.27%	28	1.44%
2006	1,508	2.02%	71	0.10%	0	0.00%	2	0.10%	65	3.34%	4	0.21%
2007	54	0.07%	7	0.01%	0	0.00%	0	0.00%	7	0.36%	0	0.00%
2008	19	0.03%	5	0.01%	0	0.00%	0	0.00%	5	0.26%	0	0.00%
2009	29	0.04%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2010	4	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	74,676	100.00%	1,944	2.60%	15	0.77%	68	3.50%	1,631	83.90%	230	11.83%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
 Comparison of MIL Command Status and Stored DTCs
 Heavy Duty Trucks (Non-Diesel)
 Year:2010

Vehicle Model Year	All Vehicles All Test Types		Heavy Duty Trucks All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks
1996	506,020	6.91%	13,922	0.19%	2	0.00%	736	0.36%	11,976	5.93%	1,208	0.60%
1997	479,095	6.54%	12,011	0.16%	1	0.00%	633	0.31%	10,489	5.20%	888	0.44%
1998	730,356	9.97%	14,021	0.19%	1	0.00%	645	0.32%	12,040	5.97%	1,335	0.66%
1999	574,191	7.84%	17,033	0.23%	1	0.00%	703	0.35%	15,090	7.48%	1,239	0.61%
2000	1,172,795	16.01%	35,540	0.49%	1	0.00%	1,044	0.52%	32,080	15.89%	2,415	1.20%
2001	542,131	7.40%	17,412	0.24%	2	0.00%	546	0.27%	15,863	7.86%	1,001	0.50%
2002	1,304,569	17.81%	34,134	0.47%	4	0.00%	889	0.44%	30,868	15.29%	2,373	1.18%
2003	428,443	5.85%	14,895	0.20%	1	0.00%	366	0.18%	13,617	6.75%	911	0.45%
2004	1,287,123	17.57%	35,920	0.49%	3	0.00%	824	0.41%	33,412	16.55%	1,681	0.83%
2005	159,365	2.18%	3,968	0.05%	0	0.00%	46	0.02%	3,732	1.85%	190	0.09%
2006	94,059	1.28%	2,190	0.03%	1	0.00%	13	0.01%	2,113	1.05%	63	0.03%
2007	27,205	0.37%	493	0.01%	0	0.00%	1	0.00%	479	0.24%	13	0.01%
2008	10,234	0.14%	81	0.00%	0	0.00%	0	0.00%	80	0.04%	1	0.00%
2009	6,681	0.09%	99	0.00%	0	0.00%	0	0.00%	98	0.05%	1	0.00%
2010	3,535	0.05%	102	0.00%	0	0.00%	0	0.00%	101	0.05%	1	0.00%
2011	218	0.00%	6	0.00%	0	0.00%	0	0.00%	6	0.00%	0	0.00%
Total	7,326,020	100.00%	201,827	2.75%	17	0.01%	6,446	3.19%	182,044	90.20%	13,320	6.60%

A-06 EPA Report 51.366 a.2.xix, a.2.xx, a.2.xxi, a.2.xxii
Comparison of MIL Command Status and Stored DTCs
Heavy Duty Trucks (Diesel)
Year:2010

Vehicle Model Year	All Vehicles All Test Types		Heavy Duty Trucks All Test Types		MIL Commanded On No DTCs Stored		MIL Commanded On DTCs Stored		MIL Commanded Off No DTCs Stored		MIL Commanded Off DTCs Stored	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks	Count	Percent of Heavy Duty Trucks
1998	2,611	3.50%	2,027	2.71%	12	0.02%	141	0.21%	1,387	2.10%	487	0.74%
1999	8,760	11.73%	7,990	10.70%	5	0.01%	499	0.75%	6,659	10.07%	827	1.25%
2000	7,983	10.69%	7,333	9.82%	12	0.02%	311	0.47%	6,408	9.69%	602	0.91%
2001	11,292	15.12%	10,482	14.04%	17	0.03%	353	0.53%	9,246	13.98%	866	1.31%
2002	12,358	16.55%	10,817	14.49%	14	0.02%	282	0.43%	9,576	14.48%	945	1.43%
2003	10,136	13.57%	8,564	11.47%	1,352	2.04%	376	0.57%	6,116	9.24%	720	1.09%
2004	9,807	13.13%	8,931	11.96%	18	0.03%	117	0.18%	7,897	11.94%	899	1.36%
2005	10,115	13.55%	8,957	11.99%	2	0.00%	63	0.10%	8,234	12.45%	658	0.99%
2006	1,508	2.02%	1,010	1.35%	0	0.00%	11	0.02%	822	1.24%	177	0.27%
2007	54	0.07%	33	0.04%	0	0.00%	0	0.00%	26	0.04%	7	0.01%
2008	19	0.03%	6	0.01%	0	0.00%	0	0.00%	5	0.01%	1	0.00%
2009	29	0.04%	5	0.01%	0	0.00%	1	0.00%	3	0.00%	1	0.00%
2010	4	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	74,676	100.00%	66,155	88.59%	1,432	2.16%	2,154	3.26%	56,379	85.22%	6,190	9.36%

A-06 EPA Report 51.366 a.2.xxiii
 Initial Test Readiness Failures (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1996	24,405	11.31%	13,977	6.48%	7,864	3.64%	1,962	0.91%	602	0.28%
1997	26,637	12.34%	14,701	6.81%	8,975	4.16%	2,326	1.08%	635	0.29%
1998	29,234	13.55%	15,088	6.99%	9,697	4.49%	3,700	1.71%	749	0.35%
1999	25,850	11.98%	13,056	6.05%	6,515	3.02%	5,327	2.47%	952	0.44%
2000	36,101	16.73%	18,681	8.66%	9,977	4.62%	6,137	2.84%	1,306	0.61%
2001	19,919	9.23%	10,052	4.66%	5,245	2.43%	3,888	1.80%	734	0.34%
2002	24,178	11.20%	11,521	5.34%	6,813	3.16%	4,933	2.29%	911	0.42%
2003	8,918	4.13%	4,746	2.20%	2,162	1.00%	1,591	0.74%	419	0.19%
2004	15,294	7.09%	7,615	3.53%	3,460	1.60%	3,402	1.58%	817	0.38%
2005	2,615	1.21%	1,473	0.68%	604	0.28%	418	0.19%	120	0.06%
2006	1,785	0.83%	1,011	0.47%	465	0.22%	266	0.12%	43	0.02%
2007	534	0.25%	316	0.15%	141	0.07%	65	0.03%	12	0.01%
2008	166	0.08%	105	0.05%	32	0.01%	28	0.01%	1	0.00%
2009	101	0.05%	76	0.04%	13	0.01%	10	0.00%	2	0.00%
2010	55	0.03%	35	0.02%	9	0.00%	8	0.00%	3	0.00%
2011	1	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
Total	215,793	100.00%	112,453	52.11%	61,972	28.72%	34,061	15.78%	7,307	3.39%

A-06 EPA Report 51.366 a.2.xxiii
 Initial Test Readiness Failures (Diesel)

Year:2010

Vehicle Model Year	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	1	3.70%	1	3.70%	0	0.00%	0	0.00%	0	0.00%
1999	5	18.52%	0	0.00%	0	0.00%	5	18.52%	0	0.00%
2000	6	22.22%	0	0.00%	0	0.00%	0	0.00%	6	22.22%
2001	1	3.70%	0	0.00%	0	0.00%	0	0.00%	1	3.70%
2003	1	3.70%	0	0.00%	0	0.00%	0	0.00%	1	3.70%
2004	5	18.52%	2	7.41%	0	0.00%	0	0.00%	3	11.11%
2005	6	22.22%	5	18.52%	0	0.00%	0	0.00%	1	3.70%
2006	2	7.41%	2	7.41%	0	0.00%	0	0.00%	0	0.00%
Total	27	100.00%	10	37.04%	0	0.00%	5	18.52%	12	44.44%

A-06 EPA Report 51.366 a.3
Initial Tests by Model Year and Station Type (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicle Count	Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
		Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1932	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1933	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1948	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1960	3	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	0.00%	0	0.00%	0	0.00%
1964	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1965	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1966	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1967	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1968	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	1	0.00%	0	0.00%
1969	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1970	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1972	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1973	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1974	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	1	0.00%	0	0.00%
1975	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
1976	12,668	0	0.00%	1,254	0.01%	5	0.00%	0	0.00%	39	0.00%	2,743	0.03%	8,627	0.08%
1977	17,721	0	0.00%	1,695	0.02%	16	0.00%	1	0.00%	52	0.00%	3,863	0.04%	12,094	0.12%
1978	20,203	0	0.00%	2,033	0.02%	9	0.00%	0	0.00%	45	0.00%	4,419	0.04%	13,697	0.13%
1979	22,017	0	0.00%	2,098	0.02%	19	0.00%	1	0.00%	41	0.00%	4,567	0.04%	15,291	0.15%
1980	13,329	0	0.00%	1,271	0.01%	21	0.00%	0	0.00%	33	0.00%	2,711	0.03%	9,293	0.09%
1981	15,533	0	0.00%	1,493	0.01%	28	0.00%	0	0.00%	38	0.00%	3,130	0.03%	10,844	0.10%
1982	18,085	0	0.00%	1,712	0.02%	18	0.00%	0	0.00%	28	0.00%	3,472	0.03%	12,855	0.12%
1983	24,186	0	0.00%	2,341	0.02%	27	0.00%	0	0.00%	49	0.00%	4,737	0.05%	17,032	0.16%
1984	44,238	0	0.00%	4,206	0.04%	46	0.00%	0	0.00%	51	0.00%	8,682	0.08%	31,253	0.30%
1985	59,701	1	0.00%	5,612	0.05%	64	0.00%	0	0.00%	86	0.00%	11,282	0.11%	42,656	0.41%
1986	84,943	1	0.00%	7,933	0.08%	87	0.00%	5	0.00%	89	0.00%	15,792	0.15%	61,036	0.59%
1987	100,001	0	0.00%	9,065	0.09%	617	0.01%	26	0.00%	104	0.00%	18,126	0.17%	72,063	0.69%

A-06 EPA Report 51.366 a.3
Initial Tests by Model Year and Station Type (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicle Count	Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
		Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1988	122,328	2	0.00%	10,885	0.10%	1,795	0.02%	19	0.00%	92	0.00%	22,007	0.21%	87,528	0.84%
1989	167,146	1	0.00%	14,461	0.14%	1,586	0.02%	16	0.00%	141	0.00%	29,678	0.28%	121,263	1.16%
1990	205,538	1	0.00%	17,583	0.17%	1,375	0.01%	55	0.00%	192	0.00%	35,798	0.34%	150,534	1.45%
1991	245,794	2	0.00%	20,848	0.20%	2,535	0.02%	7	0.00%	175	0.00%	41,492	0.40%	180,735	1.74%
1992	248,567	0	0.00%	21,140	0.20%	1,917	0.02%	0	0.00%	194	0.00%	41,719	0.40%	183,597	1.76%
1993	302,912	0	0.00%	25,662	0.25%	1,787	0.02%	10	0.00%	266	0.00%	50,359	0.48%	224,828	2.16%
1994	386,790	1	0.00%	33,543	0.32%	1,544	0.01%	2	0.00%	314	0.00%	63,390	0.61%	287,996	2.76%
1995	401,841	1	0.00%	33,878	0.33%	560	0.01%	2	0.00%	282	0.00%	69,889	0.67%	297,229	2.85%
1996	513,481	2	0.00%	46,507	0.45%	610	0.01%	0	0.00%	332	0.00%	79,492	0.76%	386,538	3.71%
1997	485,417	1	0.00%	42,518	0.41%	1,091	0.01%	52	0.00%	279	0.00%	85,085	0.82%	356,391	3.42%
1998	737,383	2	0.00%	66,299	0.64%	1,908	0.02%	36	0.00%	301	0.00%	112,424	1.08%	556,413	5.34%
1999	581,443	0	0.00%	51,484	0.49%	2,035	0.02%	46	0.00%	228	0.00%	109,497	1.05%	418,153	4.01%
2000	1,183,907	35	0.00%	102,979	0.99%	3,240	0.03%	29	0.00%	279	0.00%	399,313	3.83%	678,032	6.51%
2001	547,362	11	0.00%	46,113	0.44%	3,736	0.04%	44	0.00%	184	0.00%	190,662	1.83%	306,612	2.94%
2002	1,315,295	18	0.00%	111,734	1.07%	2,733	0.03%	124	0.00%	259	0.00%	485,299	4.66%	715,128	6.87%
2003	447,217	2	0.00%	36,097	0.35%	3,570	0.03%	15	0.00%	150	0.00%	173,041	1.66%	234,342	2.25%
2004	1,440,630	9	0.00%	119,717	1.15%	2,255	0.02%	67	0.00%	369	0.00%	541,820	5.20%	776,393	7.45%
2005	226,077	0	0.00%	16,756	0.16%	229	0.00%	0	0.00%	124	0.00%	109,057	1.05%	99,911	0.96%
2006	194,393	0	0.00%	12,265	0.12%	86	0.00%	1	0.00%	144	0.00%	113,152	1.09%	68,745	0.66%
2007	92,003	0	0.00%	4,801	0.05%	19	0.00%	2	0.00%	95	0.00%	59,955	0.58%	27,131	0.26%
2008	62,385	0	0.00%	3,366	0.03%	12	0.00%	0	0.00%	112	0.00%	40,961	0.39%	17,934	0.17%
2009	49,501	0	0.00%	2,730	0.03%	101	0.00%	0	0.00%	85	0.00%	34,177	0.33%	12,408	0.12%
2010	24,123	0	0.00%	2,197	0.02%	116	0.00%	0	0.00%	251	0.00%	14,579	0.14%	6,980	0.07%
2011	1,957	0	0.00%	356	0.00%	12	0.00%	0	0.00%	2	0.00%	960	0.01%	627	0.01%
Total	10,416,137	90	0.00%	884,632	8.49%	35,809	0.34%	560	0.01%	5,524	0.05%	2,987,332	28.68%	6,502,190	62.42%

A-06 EPA Report 51.366 a.3
Initial Tests by Model Year and Station Type (Diesel)

Year:2010

Vehicle Model Year	All Vehicle Count	Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
		Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1971	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1976	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1977	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1980	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1983	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1984	3	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	0.00%	0	0.00%	0	0.00%
1985	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1986	4	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	0.00%	0	0.00%	0	0.00%
1987	3	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	0.00%	0	0.00%	0	0.00%
1988	4	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	0.00%	0	0.00%	0	0.00%
1991	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1993	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1994	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1995	4	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	0.00%	0	0.00%	0	0.00%
1996	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1997	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1998	2,993	0	0.00%	373	0.24%	19	0.01%	0	0.00%	17	0.01%	1,276	0.82%	1,308	0.84%
1999	9,825	0	0.00%	1,236	0.79%	44	0.03%	0	0.00%	27	0.02%	4,380	2.82%	4,138	2.66%
2000	9,050	0	0.00%	1,196	0.77%	38	0.02%	0	0.00%	20	0.01%	4,016	2.58%	3,780	2.43%
2001	12,576	0	0.00%	1,604	1.03%	82	0.05%	0	0.00%	23	0.01%	5,688	3.66%	5,179	3.33%
2002	13,717	0	0.00%	1,653	1.06%	43	0.03%	0	0.00%	18	0.01%	6,103	3.92%	5,900	3.79%
2003	16,144	0	0.00%	1,891	1.22%	66	0.04%	0	0.00%	14	0.01%	7,420	4.77%	6,753	4.34%
2004	19,895	0	0.00%	2,266	1.46%	46	0.03%	2	0.00%	29	0.02%	9,138	5.87%	8,414	5.41%
2005	19,521	0	0.00%	2,189	1.41%	60	0.04%	0	0.00%	14	0.01%	8,791	5.65%	8,467	5.44%
2006	24,272	0	0.00%	2,774	1.78%	80	0.05%	0	0.00%	17	0.01%	11,326	7.28%	10,075	6.48%
2007	12,146	0	0.00%	1,364	0.88%	36	0.02%	0	0.00%	10	0.01%	5,901	3.79%	4,835	3.11%
2008	12,758	0	0.00%	1,329	0.85%	117	0.08%	0	0.00%	7	0.00%	6,528	4.20%	4,777	3.07%

A-06 EPA Report 51.366 a.3
 Initial Tests by Model Year and Station Type (Diesel)

Year:2010

Vehicle Model Year	All Vehicle Count	Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
		Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2009	1,496	0	0.00%	163	0.10%	56	0.04%	0	0.00%	1	0.00%	821	0.53%	455	0.29%
2010	907	0	0.00%	150	0.10%	5	0.00%	0	0.00%	0	0.00%	445	0.29%	307	0.20%
2011	262	0	0.00%	54	0.03%	1	0.00%	0	0.00%	0	0.00%	114	0.07%	93	0.06%
Total	155,593	0	0.00%	18,242	11.72%	693	0.45%	2	0.00%	228	0.15%	71,947	46.24%	64,481	41.44%

A-06 EPA Report 51.366 a.4
Initial Test Failures by Model Year and Station Type (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicle Count	Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
		Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1960	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1968	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
1969	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1970	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1972	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1973	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1976	3,410	0	0.00%	478	0.04%	1	0.00%	0	0.00%	29	0.00%	745	0.06%	2,157	0.17%
1977	4,873	0	0.00%	675	0.05%	5	0.00%	0	0.00%	41	0.00%	1,068	0.08%	3,084	0.24%
1978	5,591	0	0.00%	798	0.06%	0	0.00%	0	0.00%	36	0.00%	1,209	0.10%	3,548	0.28%
1979	6,437	0	0.00%	832	0.07%	2	0.00%	0	0.00%	34	0.00%	1,330	0.10%	4,239	0.33%
1980	3,641	0	0.00%	484	0.04%	5	0.00%	0	0.00%	28	0.00%	718	0.06%	2,406	0.19%
1981	4,642	0	0.00%	615	0.05%	5	0.00%	0	0.00%	27	0.00%	842	0.07%	3,153	0.25%
1982	5,321	0	0.00%	686	0.05%	1	0.00%	0	0.00%	25	0.00%	919	0.07%	3,690	0.29%
1983	7,274	0	0.00%	982	0.08%	4	0.00%	0	0.00%	39	0.00%	1,252	0.10%	4,997	0.39%
1984	13,702	0	0.00%	1,769	0.14%	9	0.00%	0	0.00%	40	0.00%	2,391	0.19%	9,493	0.75%
1985	17,995	0	0.00%	2,283	0.18%	16	0.00%	0	0.00%	63	0.00%	3,015	0.24%	12,618	1.00%
1986	24,104	1	0.00%	2,922	0.23%	20	0.00%	1	0.00%	55	0.00%	3,984	0.31%	17,121	1.35%
1987	29,426	0	0.00%	3,446	0.27%	83	0.01%	2	0.00%	70	0.01%	4,580	0.36%	21,245	1.68%
1988	33,718	0	0.00%	3,850	0.30%	168	0.01%	0	0.00%	63	0.00%	5,212	0.41%	24,425	1.93%
1989	42,482	1	0.00%	4,810	0.38%	144	0.01%	1	0.00%	106	0.01%	6,454	0.51%	30,966	2.44%
1990	50,979	0	0.00%	5,430	0.43%	135	0.01%	1	0.00%	127	0.01%	7,604	0.60%	37,682	2.97%
1991	58,618	0	0.00%	6,143	0.48%	204	0.02%	0	0.00%	125	0.01%	8,412	0.66%	43,734	3.45%
1992	57,307	0	0.00%	6,317	0.50%	158	0.01%	0	0.00%	133	0.01%	8,161	0.64%	42,538	3.36%
1993	75,772	0	0.00%	7,938	0.63%	397	0.03%	0	0.00%	201	0.02%	10,408	0.82%	56,828	4.48%
1994	82,002	0	0.00%	8,767	0.69%	278	0.02%	1	0.00%	210	0.02%	11,343	0.89%	61,403	4.84%
1995	81,524	0	0.00%	8,484	0.67%	66	0.01%	1	0.00%	212	0.02%	11,956	0.94%	60,805	4.80%
1996	84,414	0	0.00%	9,697	0.76%	43	0.00%	0	0.00%	200	0.02%	11,954	0.94%	62,520	4.93%

A-06 EPA Report 51.366 a.4

Initial Test Failures by Model Year and Station Type (Non-Diesel)

Year:2010

Vehicle Model Year	All Vehicle Count	Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
		Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1997	79,739	0	0.00%	8,941	0.71%	99	0.01%	3	0.00%	155	0.01%	12,280	0.97%	58,261	4.60%
1998	86,151	0	0.00%	9,823	0.77%	135	0.01%	4	0.00%	139	0.01%	12,006	0.95%	64,044	5.05%
1999	65,571	0	0.00%	7,410	0.58%	135	0.01%	0	0.00%	110	0.01%	11,078	0.87%	46,838	3.69%
2000	99,470	0	0.00%	11,097	0.88%	177	0.01%	3	0.00%	120	0.01%	28,315	2.23%	59,758	4.71%
2001	58,139	1	0.00%	6,144	0.48%	243	0.02%	5	0.00%	77	0.01%	17,761	1.40%	33,908	2.67%
2002	84,673	0	0.00%	8,888	0.70%	175	0.01%	23	0.00%	74	0.01%	27,143	2.14%	48,370	3.82%
2003	28,435	0	0.00%	2,841	0.22%	264	0.02%	2	0.00%	65	0.01%	9,576	0.76%	15,687	1.24%
2004	54,827	0	0.00%	5,615	0.44%	106	0.01%	6	0.00%	63	0.00%	18,989	1.50%	30,048	2.37%
2005	7,524	0	0.00%	706	0.06%	14	0.00%	0	0.00%	52	0.00%	3,460	0.27%	3,292	0.26%
2006	5,380	0	0.00%	436	0.03%	4	0.00%	1	0.00%	49	0.00%	3,080	0.24%	1,810	0.14%
2007	2,073	0	0.00%	141	0.01%	0	0.00%	0	0.00%	29	0.00%	1,320	0.10%	583	0.05%
2008	1,297	0	0.00%	86	0.01%	2	0.00%	0	0.00%	26	0.00%	865	0.07%	318	0.03%
2009	795	0	0.00%	51	0.00%	5	0.00%	0	0.00%	14	0.00%	567	0.04%	158	0.01%
2010	426	0	0.00%	39	0.00%	14	0.00%	0	0.00%	83	0.01%	222	0.02%	68	0.01%
2011	21	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%	15	0.00%	5	0.00%
Total	1,267,760	3	0.00%	139,624	11.01%	3,118	0.25%	54	0.00%	2,926	0.23%	250,235	19.74%	871,800	68.77%

A-06 EPA Report 51.366 a.4
 Initial Test Failures by Model Year and Station Type (Diesel)

Year:2010

Vehicle Model Year	All Vehicle Count	Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
		Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1986	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1988	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1991	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1993	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1995	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.02%	0	0.00%	0	0.00%
1996	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1998	451	0	0.00%	66	0.79%	1	0.01%	0	0.00%	9	0.11%	176	2.09%	199	2.37%
1999	925	0	0.00%	147	1.75%	2	0.02%	0	0.00%	13	0.15%	381	4.53%	382	4.54%
2000	612	0	0.00%	105	1.25%	1	0.01%	0	0.00%	6	0.07%	243	2.89%	257	3.06%
2001	777	0	0.00%	109	1.30%	5	0.06%	0	0.00%	6	0.07%	312	3.71%	345	4.10%
2002	941	0	0.00%	150	1.78%	2	0.02%	0	0.00%	8	0.10%	391	4.65%	390	4.64%
2003	1,522	0	0.00%	224	2.67%	3	0.04%	0	0.00%	5	0.06%	673	8.01%	617	7.34%
2004	1,158	0	0.00%	154	1.83%	3	0.04%	0	0.00%	5	0.06%	514	6.12%	482	5.73%
2005	1,140	0	0.00%	153	1.82%	5	0.06%	0	0.00%	3	0.04%	516	6.14%	463	5.51%
2006	546	0	0.00%	90	1.07%	3	0.04%	0	0.00%	6	0.07%	221	2.63%	226	2.69%
2007	185	0	0.00%	34	0.40%	0	0.00%	0	0.00%	3	0.04%	67	0.80%	81	0.96%
2008	101	0	0.00%	11	0.13%	0	0.00%	0	0.00%	1	0.01%	51	0.61%	38	0.45%
2009	31	0	0.00%	6	0.07%	0	0.00%	0	0.00%	0	0.00%	14	0.17%	11	0.13%
2010	9	0	0.00%	3	0.04%	0	0.00%	0	0.00%	0	0.00%	4	0.05%	2	0.02%
Total	8,405	0	0.00%	1,252	14.90%	25	0.30%	0	0.00%	72	0.86%	3,563	42.39%	3,493	41.56%



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Smog Check License Information

Licensed Smog Check Stations as of 12/31/2010	7,174
Smog Check Station Licenses Issued	757
Licensed Smog Check Technicians as of 12/31/2010	15,139

Inspections Overt

Initial Inspections	1,156
Quality Assurance (QA) Inspections	397
Consumer Assistance Program (CAP) Inspections	184
Equipment Audit Inspections	1,206
Other Inspections (used car lot inspections included in total)	1,526
Total Inspections	12,241

Undercover Run Data Covert

Undercover Runs Conducted	1,608
Positive Undercover Runs	733
Percentage of Positive Runs	46%
Smog Check Stations Receiving U/C Runs	1,204

Citations Issued

Station Citations	742
Station Citation Fines	\$826,500
Technician Citations	744
Technician Training Hours Required	9,396

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Administrative Disciplinary Filings

Hearings	50
Stipulation Settlement	206
Default Decision	29
Total Cases Adjudicated	285
Licenses Revoked	230
ISO/PC 23 Filings	32
Probation Ordered	27
Probation/Suspension Ordered	54
Total Licenses Disciplined*	311

* ISO/PC 23 Orders are not included in total since they are counted in "Licenses Revoked" section.

Equipment Audit Inspections

Gas Audits

Gas Audit Inspections	889
Stations Audited	653
Stations Failing Gas Audit	152 (23%)
Stations Locked Out due to Gas Audit	34 (5%)
Stations given "7 day notice" prior to lockout	183 (28%)



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Tamper Audits*

Emissions Inspection Systems (EIS) Audited	317
Stations Audited	290
EIS Failing but Fixed Immediately	21 (7%)
EIS Locked Out due to Tamper	31 (10%)
EIS given "7 day notice" prior to lockout	163 (51%)

** Note: Stations were targeted and not selected randomly; thus, the fail rate is not representative of the stations or equipment statewide.*

Resources for Undercover Audits

Vehicles Available for Undercover Audits	512
Auditors Available for Undercover Audits	236

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Inspections (Overt):

Initial Inspection: Performed prior to issuing a new Smog Check station license to determine compliance with requirements for station equipment and technician competence. This includes Follow Up inspections to verify compliance of any deficiencies.

Quality Assurance (QA) Inspection: Performed to ensure stations meet equipment, manual and signage requirements, inspect invoice and inspection reports, and assess technician testing, diagnosis and repair skills. This includes Follow Up inspections to verify compliance of any deficiencies.

Consumer Assistance Program (CAP) Inspection: Performed to review repairs for compliance with the CAP Program regulations. Includes paperwork requirements, pricing and repair effectiveness. This includes Follow Up inspections to verify compliance of any deficiencies.

Equipment Audit Inspection: Performed in order to audit the BAR 97 Emissions Inspection System (EIS) for compliance to standard specifications. Equipment audits include both analyzer gas audits and analyzer tamper audits.

Other Inspection: Inspections classified as "other" performed when a station inspection is deemed necessary. This includes Used Car Lot Inspections and Follow Up inspections to verify compliance of any deficiencies.

Undercover Runs (Covert Station Audits)

The Bureau of Automotive Repair does not perform periodic covert audits on every licensed Smog Check station. Instead, BAR's undercover enforcement efforts are focused on those stations suspected of wrong doing as determined by a review of the Vehicle Information Database (VID) data, consumer complaints, or anonymous tips.

Citations

Citations are issued against Smog Check Stations for a monetary penalty from \$1,000 to \$2,500. Smog Check Technicians are issued citations, which require completion of 8 hour, 16 hour or 68 hour training courses. All fines and training hour values represent assessed penalties and are not necessarily collected or completed.

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Administrative Disciplinary Filings

Administrative disciplinary cases are filed with the Attorney General's Office. Each case filing includes multiple licensees; i.e., Automotive Repair Dealer registration, Smog Check station license, brake or lamp station license, and Smog Check technician license. In some instances ISO (Interim Suspension Order) and PC 23 (Penal Code Section 23) are filed when violations are egregious and/or impact to public safety to suspend licenses and registrations.

Cases are adjudicated in hearings held before an Administrative Law Judge, through stipulated settlements, or by default decisions. Licenses can be revoked outright, or the revocation may be stayed with the license placed on probation (usually for a period of from 1 to 5 years). The suspension of a license for a specific number of days or months can also be included with probation.

Resources for Undercover Runs (Covert Station Audits)

Available vehicles includes the entire fleet of undercover vehicles used to perform covert audits on automotive repair stations, auto body shops, Smog Check stations, and any other facility regulated by the Bureau of Automotive Repair.

Field Staff classified as Program Representative's are assigned to perform overt audits, covert audits, complaint mediation, and investigations among other duties.



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Program improvements occurring during 2009 – 2010 are as follows:

General

- 1/1/2009 – Continued Green Station program in partnership with the Department of Toxic Substance Control.
- 6/11/2009 - Implemented a new catalyst visual inspection procedure to identify aftermarket replacement catalysts that are not California OBD II certified.
- 8/1/2009 – Discontinued issuing the hardship extension for low income vehicle owners.
- 12/16/2009 – Deleted the fuel fill pipe restrictor check since there is no longer leaded fuel in California (Regulation 2009-1030-02S).
- 12/16/2009 – Deleted the EGR functional test for model year 1996 and newer vehicles subject to the Two Speed Idle (TSI) test. (Regulation 2009-1030-02S).
- 12/16/2009 – Deleted the fuel cap test for model year 2000 and newer vehicles since this duplicates the OBD II test (Regulation 2009-1030-02S).
- 1/1/2010 – Implemented a light-duty diesel inspection program, including on-line training, aimed at reducing emissions from 1998 and newer model year diesel powered vehicles with a gross vehicle weight rating (GVWR) of 14,000 pounds and less. This program change was made possible by AB 1488 (Mendoza, Chapter 739, Statutes of 2007).
- 1/1/2010 – Improved existing visible smoke snap test on gasoline and diesel powered vehicles (Regulation 2009-0924-01S).
- 4/5/2010 – Implemented ASM engine specific cutpoints for most model year 1976 to 1995 vehicles (Regulation 2010-0526-07N).
- 7/6/2010 – Reduced model year 2001 and newer OBD II monitors readiness threshold from 2 to 1, consistent with USEPA guidelines (Regulation 2009-1030-02S).
- 9/24/2010 – AB 2289 (Eng, Chapter 258, Statutes of 2010) includes several major reforms to the Smog Check Program. The following summary was published in BAR’s Spring 2011 “Automotive Repair and Smog Check News”.

Passage of AB 2289 Marks Major Milestone in Smog Check Program

Reforms expected to improve air quality, increase station flexibility

In September 2010, the Legislature passed and the governor signed into law Assembly Bill (AB) 2289 (Eng, Chapter 258, Statutes of 2010). This landmark legislation introduces the most extensive set of reforms to the Smog Check Program in more than a decade. It is designed to improve California’s air quality and simplify inspection procedures for newer vehicles.



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Provisions of the bill will gradually be implemented and may require the adoption of regulations. The following are some of the major components of AB 2289:

Station Performance and Directed Vehicles

AB 2289 requires the Bureau of Automotive Repair (BAR) to develop inspection-based performance standards for stations. Any Smog Check station meeting these standards will be able to test directed vehicles. This new “STAR” program will replace the Gold Shield program in January 2013. Only test-only and test-and-repair stations, meeting higher performance standards, will be eligible as “STAR” stations.

Inspection Procedures

Most model year 2000 and newer vehicles will be subject to a simplified inspection that does not require a tailpipe test. Test equipment will automatically communicate with the vehicle’s on-board computer. This method of testing should help reduce station labor costs, and equipment maintenance costs, as it will be predominantly software driven; however, vehicles may still be subject to a visual or functional inspection and a smoke test. The inspection procedures will be developed by BAR, in coordination with ARB, for implementation no sooner than January 2013.

Referee Network

Under AB 2289, a referee may charge a fee sufficient to cover the cost to inspect a vehicle whose physical or operational design prevent an inspection at a licensed Smog Check station. Vehicles subject to an inspection fee may include grey market vehicles, vehicles with engine changes, vehicles equipped with retrofit alternative fuel conversation kits, and specially constructed vehicles.

Program Evaluation

BAR must perform an annual evaluation of the Smog Check Program. The analysis will compare the percentage of vehicles that initially passed an inspection and subsequently failed a BAR on-road inspection to the percentage of vehicles that initially failed an inspection and subsequently failed an on-road inspection.



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Citation and Civil Penalty Process

Stations and technicians may now be subject to fines ranging from \$100 to \$5,000 per violation. BAR will have the flexibility to select the appropriate remedy for the violation. The cited technician/station may appeal the citation by submitting a request for an informal citation conference (similar to the current Gold Shield hearing). This new process, designed to alleviate administrative hearing workload and provide a quicker appeals process, will be performed by a representative from BAR. The cited person may request a formal administrative hearing instead of, or in addition to, an informal citation conference.

For More Information

The changes resulting from the passage of AB 2289 are significant and will be implemented with public input over the next couple of years. To stay informed of the latest developments, please visit www.smogcheck.ca.gov.

Reports

- 3/12/2009 – Posted to BAR website “Evaluation of the California Smog Check Program Using Random Roadside Data.”
http://www.bar.ca.gov/80_BARResources/02_SmogCheck/addendum_with_report.pdf
- 2/6/2009 – Posted to BAR website “Comparative Analysis of Current Training and Proposed Training Initiatives for Smog Check Technicians.”
http://www.bar.ca.gov/80_BARResources/02_SmogCheck/addendum_with_report.pdf

Licensing

- Conducted nine statewide licensing restructure workshops, between February 24, 2009 and June 24, 2010 to discuss new Smog Check inspection and repair licensing options. Draft regulations are in progress to split the Smog Check technician license into two licenses, an Inspector license for testing vehicles and a Repair Technician license for diagnosing and performing emissions-related repairs. Under the new licensing structure, an individual can obtain either or both licenses. The proposal aims to bolster the qualification requirements for the Repair Technician, as well as improve training for the inspector license and create more



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comprehensive licensing examinations. Ultimately, the measure should result in higher quality inspections and repairs. The regulations have been filed with OAL and are undergoing a 45-day public comment period. Adoption of the regulations is expected in Fall 2011, with training geared toward these new licenses available as early as January 2012.

Consumer Assistance Program

- In January 2011, BAR limited eligibility for repair assistance services under the Consumer Assistance Program (CAP) exclusively to income-eligible consumers (AB 787, Chapter 231, Statutes of 2010). In addition, income-eligible consumers can now receive \$1,500 to retire a vehicle under CAP. Also, only eligible to receive once per each owner of vehicle.
- Enhanced Fleet Modernization Program was implemented to retire vehicles off-cycle, pursuant to AB 118 (Nunez, Chapter 750, Statutes of 2007).

Outreach

- BAR continued to promote the statewide Drive Healthy consumer education campaign. Through various media, over 17 million consumers were informed about the importance of proper vehicle maintenance that results in improving air quality. For consumers whose vehicle fails Smog Check, the campaign promoted the availability of the Consumer Assistance Program. BAR conducted thirteen outreach meetings to brief legislators and their staff on the Drive Healthy message and the availability of BAR programs and materials for their constituents.

Enforcement

- The Bureau's Enforcement Division has been reorganized and a number of changes have been implemented to improve efficiency of case management. Through targeted Quality Assurance (QA) inspections, enhanced data screening processes, and a reorganization of the Division's staffing resources, BAR has been able to more efficiently identify and administer discipline against licensees who engage in fraudulent smog testing practices. This is evidenced by the reduced number of inspections and undercover operations conducted in 2010, while yielding an increased number of smog stations identified for disciplinary action. In 2010, BAR issued 107 more station citations and 100 more technician citations than the previous year. Increases



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have also been achieved in formal administrative discipline, with 115 more total cases adjudicated and 23 more total licenses disciplined. See Attachment B for details. BAR also continues to seek Interim Suspension Orders (ISO) and Penal Code section 23 restraining orders against the most egregious offenders, which has proven to be an extremely effective and efficient means of immediately removing licensees from performing Smog Check inspections and / or repairs until a full hearing can be conducted. In the past two calendar years, BAR has secured 75 temporary suspensions against smog program licensees where their conduct constituted a significant threat to public health, safety, and welfare.

SMOG Related Legislation
 Business and Professions / Health and Safety / Vehicle Code
 Changes Made 2009-2010

Code	Section	Total Changes	Add	Amend	Repeal	Year	Bill Number	Changes Made 2009-2010
B & P	9884.2			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	9884.2 Count	1	0	1	0			
B & P	9884.7			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	9884.7 Count	1	0	1	0			
B & P	9884.12			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	9884.12 Count	1	0	1	0			
B & P	9889.3			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	9889.3 Count	1	0	1	0			
B & P	9889.20			x		2009	SB 1330	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_1301-1350/sb_1330_bill_20100927_chaptered.html
	9889.20 Count	1	0	1	0			
H & S	44001.1		x			2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44001.1 Count	1	1	0	0			
H & S	44010.5			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44010.5 Count	1	0	1	0			
H & S	44011			x		2009	SB 734	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0701-0750/sb_734_bill_20091011_chaptered.html
	44011 Count	1	0	1	0			
H & S	44012			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44012 Count	1	0	1	0			
H & S	44014			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44014 Count	1	0	1	0			
H & S	44014.2			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44014.2			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	44014.2 Count	2	0	2	0			
H & S	44014.5			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html

Code	Section	Total Changes	Add	Amend	Repeal	Year	Bill Number	Changes Made 2009-2010
	44014.5 Count	1	0	1	0			
H & S	44014.6		x			2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44014.6 Count	1	1	0	0			
H & S	44015			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44015 Count	1	0	1	0			
H & S	44017.3			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	44017.3 Count	1	0	1	0			
H & S	44021			x		2009	ABX4 20	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0001-0050/abx4_20_bill_20090728_chaptered.html
	44021 Count	1	0	1	0			
H & S	44024.5			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44024.5 Count	1	0	1	0			
H & S	44036			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44036 Count	1	0	1	0			
H & S	44050				x	2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
H & S	44050		x			2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44050 Count	2	1	0	1			
H & S	44050.5				x	2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44050.5 Count	1	0	0	1			
H & S	44051		x			2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44051				x	2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44051 Count	2	1	0	1			
H & S	44051.5				x	2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44051.5 Count	1	0	0	1			
H & S	44052			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44052 Count	1	0	1	0			
H & S	44053				x	2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44053 Count	1	0	0	1			

Code	Section	Total Changes	Add	Amend	Repeal	Year	Bill Number	Changes Made 2009-2010
H & S	44054			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44054 Count	1	0	0	1			
H & S	44055			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44055 Count	1	0	1	0			
H & S	44056			x		2010	AB 2289	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2251-2300/ab_2289_bill_20100924_chaptered.html
	44056 Count	1	0	1	0			
H & S	44062.1			x		2010	AB 787	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0751-0800/ab_787_bill_20100924_chaptered.html
	44062.1 Count	1	0	1	0			
H & S	44062.3			x		2010	AB 787	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0751-0800/ab_787_bill_20100924_chaptered.html
	44062.3 Count	1	0	1	0			
H & S	44072.1			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	44072.1 Count	1	0	1	0			
H & S	44072.2			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	44072.2 Count	1	0	1	0			
H & S	44095			x		2009	SB 821	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0801-0850/sb_821_bill_20091011_chaptered.html
	44095 Count	1	0	1	0			
H & S	44125			x		2010	AB 787	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0751-0800/ab_787_bill_20100924_chaptered.html
	44125 Count	1	0	1	0			
H & S	44126			x		2009	SB 734	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0701-0750/sb_734_bill_20091011_chaptered.html
	44126 Count	1	0	1	0			
H & S	44272			x		2009	AB 1106	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_1101-1150/ab_1106_bill_20100927_chaptered.html
	44272			x		2009	SB 1330	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_1301-1350/sb_1330_bill_20100927_chaptered.html
	44272			x		2009	SB 1340	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_1301-1350/sb_1340_bill_20100930_chaptered.html
	44272 Count	3	0	3	0			
H & S	44272.3			x		2009	SB 855	http://www.leginfo.ca.gov/cgi-bin/postquery?bill_SB_855
	44272.3 Count	1	0	1	0			
H & S	44272.7			x		2009	SB 855	http://www.leginfo.ca.gov/cgi-bin/postquery?bill_SB_855
	44272.7 Count	1	0	1	0			

Code	Section	Total Changes	Add	Amend	Repeal	Year	Bill Number	Changes Made 2009-2010
H & S	44272.7			x		2009	SB 855	http://www.leginfo.ca.gov/cgi-bin/postquery?bill_SB_855
	44272.7 Count	1	0	1	0			
H & S	44283			x		2009	AB 1507	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_1501-1550/ab_1507_bill_20100930_chaptered.html
	44283 Count	1	0	1	0			
H & S	44287.2		x			2009	AB 1507	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_1501-1550/ab_1507_bill_20100930_chaptered.html
	44287.2 Count	1	1	0	0			
VC	4000.1			x		2009	SB 734	http://www.leginfo.ca.gov/pub/09-10/bill/sen/sb_0701-0750/sb_734_bill_20091011_chaptered.html
	4000.1 Count	1	0	1	0			
VC	4750.1			x		2009	AB 318	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0301-0350/ab_318_bill_20091011_chaptered.html
VC	4750.1			x		2010	AB 2461	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2451-2500/ab_2461_bill_20100927_chaptered.html
	4750.1 Count	2	0	2	0			
VC	9565			x		2010	AB 2461	http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_2451-2500/ab_2461_bill_20100927_chaptered.html
	9565 Count	1	0	1	0			

Smog Check Regulations
 Changes Made 2009-2010

OAL Reg. Action #	Subject	Sections Affected	History
2010-1215-02N	Consumer Assistance Program Eligibility	<u>Amend:</u> §§ 3394.3, 3394.4, 3394.5, 3394.6, 3394.7	1/27/2011 § 100 - Change without regulatory effect approved by the Office of Administrative Law and filed with the Secretary of State. Effective upon filing.
2010-1130-03C	Enhanced Fleet Modernization Program	<u>Adopt:</u> § 3394.7 <u>Amend:</u> §§ 3394.1, 3394.4, 3394.5, 3394.6	11/30/2010 Certificate of Compliance (Rulemaking File) approved by the Office of Administrative Law, filed with the Secretary of State and emergency amendments made permanent. Effective 1/11/2011
2010-0909-01S	CAP Application Revisions	<u>Amend:</u> §§ 3394.3, 3394.4, 3394.6	10/18/2010 Rulemaking File approved by the Office of Administrative Law, filed with the Secretary of State and emergency amendments made permanent. Effective 11/17/2010
2010-0721-05E	Enhanced Fleet Modernization Program - Emergency	<u>Adopt:</u> § 3394.7 <u>Amend:</u> §§ 3394.1, 3394.4, 3394.5, 3394.6	7/30/2010 Emergency rulemaking file approved by the Office of Administrative Law, filed with the Secretary of State. Effective upon filing.
2010-0526-07N	Smog Check Emissions Standards	<u>Amend:</u> 3340.42	7/9/2010 § 100 - Change without regulatory effect approved by the Office of Administrative Law and filed with the Secretary of State. Effective upon filing.
2010-0415-07N	Motor Vehicle Inspection Program	<u>Amend:</u> § 3340.1	5/19/2010 § 100 - Change without regulatory effect approved by the Office of Administrative Law and filed with the Secretary of State.
2010-0226-02S	Exhaust System Certificate of Compliance	<u>Amend:</u> § 3340.36.1	4/12/2010 Rulemaking File approved by the Office of Administrative Law, filed with the Secretary of State and emergency amendments made permanent. Effective 5/12/2010
2009-1030-02S	Smog Inspection Requirements	<u>Amend:</u> § 3340.45 <u>Amend:</u> §§ 3340.5, 3340.15, 3340.16, 3340.42	12/16/2009 Rulemaking File approved by the Office of Administrative Law, filed with the Secretary of State and emergency amendments made permanent. Effective 12/16/2009

OAL Reg. Action #	Subject	Sections Affected	History
2009-0924-01S	Emission Inspection System Revision	<u>Adopt:</u> § 3340.42.2 <u>Amend:</u> §§ 3340.17, 3340.42	11/5/2009 Rulemaking File approved by the Office of Administrative Law, filed with the Secretary of State and emergency amendments made permanent. Effective 12/5/2009
2008-0821-04N	License Prefix Standardization	<u>Amend:</u> § 3340.51.2	10/2/2008 § 100 - Change without regulatory effect approved by the Office of Administrative Law and filed with the Secretary of State.
2008-0403-03N	BAR's Principle Office Address	<u>Repeal:</u> § 3300	5/8/2008 Rulemaking File approved by the Office of Administrative Law, filed with the Secretary of State and emergency amendments made permanent. Effective 5/8/2008

Note:

Complete regulation files are available at http://www.bar.ca.gov/80_BARResources/05_Legislative/RegulatoryActions/RegulatoryActions.html