Air Resources Board

Mary D. Nichols, Chairman
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Matthew Rodriquez
Secretary for
Environmental Protection

Edmund G. Brown Jr.
Governor

July 30, 2012

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 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 statutory and regulatory changes is provided in compliance with CFR section 51.366 (e).

BAR offers the following clarifications regarding the information contained in the attached report:

- The summary statistics include information on all model year vehicles receiving Smog Check inspections. This includes vehicles reported with model years not subject to the program -- pre-1976 gasoline powered vehicles and pre-1998 diesel powered vehicles. BAR found that in most cases these are vehicles with an engine change making them subject to the program.

- OBD failure rate statistics show higher failures rates than shown in last year's annual report due to a reduction in the readiness monitor threshold from 2 to 1 for model year 2001 and newer vehicles that was implemented July 6, 2010.

- Enforcement statistics reflect data specific to the Smog Check program rather than all programs operated by BAR.

- The number of station audits increased due to a one-time redirection of staff assigned to the roadside inspection program that was temporarily delayed due to budgetary constraints.

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 tford@arb.ca.gov.

Sincerely,

Terry Ford
Staff Air Pollution Specialist

Enclosure

cc: John Wallauch, Chief
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Tom Cackette
Chief Deputy Executive Officer

I/M RULE SECTION 51.366 DATA ANALYSIS AND REPORTING
CALIFORNIA BUREAU OF AUTOMOTIVE REPAIR
CALENDAR YEAR 2011

(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:	Data	Clarification
(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	
xvi	Failing the on-board diagnostic check and passing the I/M gas cap evaporative system test (if applicable);	Attachment A	
xvii	Passing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	Attachment A	
xviii	Failing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	Attachment A	
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.
(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	

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CALENDAR YEAR 2011

(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	

(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;	23,773,232 gasoline 399,759 diesel	This is ARB'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, along with all 1998 and newer diesel powered vehicles with GVWR less than 14,001 pounds.
ii	The percentage of motorist compliance based upon a comparison of the number of valid final tests with the number of subject vehicles;		
iii	The total number of compliance documents issued to inspection stations;	10,564,500	Total certificates purchased and issued to Smog Check stations. The count of certificates issued to stations is different from the count of certificates issued to consumers.
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	2095 waivers 150 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.

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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 2011.
(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 continually monitors program data and works with the Department of Motor Vehicles (DMV) on efforts 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	N/A	This section is completed every other year and will be addressed in the 2012 EPA report.
(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.		

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BAR
Bureau of Automotive Repair

Run Date: 05/22/2012

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Vehicle Count (Non-Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1931	1	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1937	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1952	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1958	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1960	3	0.00%	2	0.00%	0	0.00%	1	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%
1969	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1973	4	0.00%	0	0.00%	1	0.00%	1	0.00%	2	0.00%
1974	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1975	1	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
1976	11,366	0.11%	4,824	0.05%	1,998	0.02%	3,099	0.03%	1,445	0.01%
1977	15,647	0.15%	6,073	0.06%	2,516	0.02%	4,959	0.05%	2,099	0.02%
1978	17,834	0.17%	7,339	0.07%	3,787	0.04%	4,044	0.04%	2,664	0.03%
1979	19,716	0.19%	8,736	0.08%	4,291	0.04%	3,970	0.04%	2,719	0.03%
1980	11,871	0.11%	5,420	0.05%	3,460	0.03%	1,386	0.01%	1,605	0.02%
1981	13,583	0.13%	6,203	0.06%	4,351	0.04%	983	0.01%	2,046	0.02%
1982	15,686	0.15%	7,132	0.07%	5,408	0.05%	1,041	0.01%	2,105	0.02%
1983	20,906	0.20%	10,228	0.10%	6,711	0.06%	1,461	0.01%	2,506	0.02%
1984	37,758	0.36%	17,349	0.16%	13,172	0.12%	2,673	0.03%	4,564	0.04%
1985	50,833	0.48%	23,719	0.22%	18,385	0.17%	3,326	0.03%	5,403	0.05%
1986	72,234	0.68%	31,909	0.30%	30,435	0.29%	4,180	0.04%	5,710	0.05%
1987	84,262	0.79%	41,643	0.39%	31,702	0.30%	5,102	0.05%	5,815	0.05%
1988	102,690	0.97%	51,871	0.49%	35,652	0.34%	7,680	0.07%	7,487	0.07%

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Vehicle Count (Non-Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1989	141,576	1.33%	73,258	0.69%	46,701	0.44%	10,498	0.10%	11,119	0.10%
1990	175,108	1.65%	106,007	1.00%	46,375	0.44%	12,081	0.11%	10,645	0.10%
1991	211,920	1.99%	129,715	1.22%	62,652	0.59%	11,389	0.11%	8,164	0.08%
1992	215,274	2.03%	132,298	1.24%	59,198	0.56%	15,357	0.14%	8,421	0.08%
1993	267,107	2.51%	158,894	1.50%	80,482	0.76%	19,089	0.18%	8,642	0.08%
1994	312,719	2.94%	181,887	1.71%	90,964	0.86%	29,570	0.28%	10,298	0.10%
1995	453,244	4.26%	269,485	2.54%	124,185	1.17%	42,319	0.40%	17,255	0.16%
1996	341,601	3.21%	201,437	1.90%	95,779	0.90%	32,356	0.30%	12,029	0.11%
1997	594,430	5.59%	335,984	3.16%	177,897	1.67%	60,436	0.57%	20,113	0.19%
1998	494,646	4.65%	275,692	2.59%	151,531	1.43%	54,846	0.52%	12,577	0.12%
1999	811,000	7.63%	428,802	4.03%	220,652	2.08%	127,825	1.20%	33,721	0.32%
2000	567,446	5.34%	314,029	2.95%	151,438	1.42%	79,453	0.75%	22,526	0.21%
2001	1,169,444	11.00%	608,363	5.72%	308,898	2.91%	207,588	1.95%	44,595	0.42%
2002	501,855	4.72%	272,931	2.57%	128,070	1.21%	81,760	0.77%	19,094	0.18%
2003	1,321,984	12.44%	676,671	6.37%	332,094	3.12%	260,641	2.45%	52,578	0.49%
2004	426,812	4.02%	219,676	2.07%	101,492	0.95%	85,210	0.80%	20,434	0.19%
2005	1,451,163	13.65%	786,273	7.40%	366,320	3.45%	251,527	2.37%	47,043	0.44%
2006	254,618	2.40%	147,776	1.39%	51,919	0.49%	41,731	0.39%	13,192	0.12%
2007	206,509	1.94%	121,719	1.15%	39,773	0.37%	37,374	0.35%	7,643	0.07%
2008	93,545	0.88%	58,948	0.55%	15,723	0.15%	13,941	0.13%	4,933	0.05%
2009	43,903	0.41%	31,723	0.30%	6,537	0.06%	4,179	0.04%	1,464	0.01%
2010	66,348	0.62%	48,414	0.46%	9,258	0.09%	7,339	0.07%	1,337	0.01%
2011	28,761	0.27%	16,115	0.15%	5,517	0.05%	4,895	0.05%	2,234	0.02%
2012	2,139	0.02%	1,235	0.01%	284	0.00%	410	0.00%	210	0.00%

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Vehicle Count (Non-Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2013	2	0.00%	1	0.00%	1	0.00%	0	0.00%	0	0.00%
Total	10,627,557	100.00%	5,819,789	54.76%	2,835,610	26.68%	1,535,721	14.45%	436,437	4.11%

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Vehicle Count (Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1979	2	0.00%	0	0.00%	0	0.00%	1	0.00%	1	0.00%
1981	1	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1982	1	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1984	3	0.00%	0	0.00%	0	0.00%	2	0.00%	1	0.00%
1985	3	0.00%	1	0.00%	1	0.00%	0	0.00%	1	0.00%
1986	4	0.00%	0	0.00%	1	0.00%	0	0.00%	3	0.00%
1987	5	0.00%	0	0.00%	4	0.00%	0	0.00%	1	0.00%
1989	3	0.00%	0	0.00%	1	0.00%	0	0.00%	2	0.00%
1990	2	0.00%	0	0.00%	1	0.00%	0	0.00%	1	0.00%
1992	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1995	1	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
1996	2	0.00%	2	0.00%	0	0.00%	0	0.00%	0	0.00%
1997	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1998	2,800	1.88%	550	0.37%	12	0.01%	57	0.04%	2,181	1.46%
1999	8,753	5.87%	541	0.36%	30	0.02%	207	0.14%	7,975	5.35%
2000	8,251	5.54%	432	0.29%	37	0.02%	163	0.11%	7,619	5.11%
2001	11,520	7.73%	498	0.33%	39	0.03%	249	0.17%	10,734	7.20%
2002	12,302	8.25%	1,052	0.71%	40	0.03%	261	0.18%	10,949	7.35%
2003	15,310	10.27%	1,357	0.91%	62	0.04%	298	0.20%	13,593	9.12%
2004	16,617	11.15%	547	0.37%	78	0.05%	349	0.23%	15,643	10.50%
2005	18,637	12.50%	831	0.56%	154	0.10%	407	0.27%	17,245	11.57%
2006	22,091	14.82%	786	0.53%	185	0.12%	431	0.29%	20,689	13.88%
2007	11,186	7.51%	131	0.09%	43	0.03%	312	0.21%	10,700	7.18%
2008	12,056	8.09%	154	0.10%	62	0.04%	218	0.15%	11,622	7.80%

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Vehicle Count (Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2009	5,310	3.56%	1,788	1.20%	24	0.02%	524	0.35%	2,974	2.00%
2010	2,383	1.60%	1,289	0.86%	26	0.02%	230	0.15%	838	0.56%
2011	1,644	1.10%	520	0.35%	13	0.01%	125	0.08%	986	0.66%
2012	151	0.10%	41	0.03%	0	0.00%	12	0.01%	98	0.07%
Total	149,040	100.00%	10,522	7.06%	815	0.55%	3,846	2.58%	133,857	89.81%

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Initial Failures (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1969	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1973	4	0.00%	1	0.00%	0	0.00%	1	0.00%	2	0.00%
1975	1	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
1976	3,053	0.24%	1,692	0.13%	254	0.02%	552	0.04%	555	0.04%
1977	4,281	0.33%	2,228	0.17%	323	0.03%	932	0.07%	798	0.06%
1978	4,842	0.38%	2,816	0.22%	382	0.03%	827	0.06%	816	0.06%
1979	5,914	0.46%	3,536	0.28%	471	0.04%	1,105	0.09%	802	0.06%
1980	3,159	0.25%	2,055	0.16%	316	0.02%	422	0.03%	366	0.03%
1981	4,095	0.32%	2,958	0.23%	377	0.03%	383	0.03%	376	0.03%
1982	4,710	0.37%	3,462	0.27%	461	0.04%	435	0.03%	352	0.03%
1983	6,460	0.50%	4,821	0.38%	634	0.05%	564	0.04%	440	0.03%
1984	12,066	0.94%	8,832	0.69%	1,146	0.09%	1,139	0.09%	948	0.07%
1985	16,013	1.25%	12,125	0.95%	1,497	0.12%	1,451	0.11%	940	0.07%
1986	21,018	1.64%	16,194	1.27%	2,220	0.17%	1,567	0.12%	1,037	0.08%
1987	25,642	2.00%	20,392	1.59%	2,447	0.19%	1,661	0.13%	1,142	0.09%
1988	29,295	2.29%	23,110	1.81%	2,640	0.21%	2,306	0.18%	1,239	0.10%
1989	38,080	2.98%	29,872	2.33%	3,183	0.25%	3,551	0.28%	1,474	0.12%
1990	45,977	3.59%	37,486	2.93%	3,600	0.28%	3,551	0.28%	1,339	0.10%
1991	54,167	4.23%	45,597	3.56%	4,698	0.37%	2,717	0.21%	1,154	0.09%
1992	53,351	4.17%	44,089	3.45%	4,286	0.33%	3,757	0.29%	1,219	0.10%
1993	70,605	5.52%	58,769	4.59%	5,580	0.44%	4,975	0.39%	1,281	0.10%
1994	75,366	5.89%	61,155	4.78%	5,655	0.44%	6,797	0.53%	1,758	0.14%
1995	94,453	7.38%	76,621	5.99%	6,937	0.54%	8,743	0.68%	2,151	0.17%
1996	65,586	5.13%	53,127	4.15%	6,500	0.51%	4,334	0.34%	1,625	0.13%

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Initial Failures (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1997	90,642	7.08%	72,168	5.64%	9,166	0.72%	6,958	0.54%	2,350	0.18%
1998	69,721	5.45%	54,360	4.25%	7,211	0.56%	6,162	0.48%	1,859	0.15%
1999	81,016	6.33%	56,562	4.42%	9,664	0.76%	10,627	0.83%	3,910	0.31%
2000	61,601	4.81%	45,681	3.57%	6,284	0.49%	6,234	0.49%	3,242	0.25%
2001	117,199	9.16%	78,205	6.11%	13,120	1.03%	17,874	1.40%	7,751	0.61%
2002	47,813	3.74%	31,927	2.50%	6,655	0.52%	6,069	0.47%	2,861	0.22%
2003	80,003	6.25%	51,062	3.99%	9,759	0.76%	13,290	1.04%	5,412	0.42%
2004	24,612	1.92%	15,304	1.20%	3,379	0.26%	3,874	0.30%	1,831	0.14%
2005	53,183	4.16%	35,381	2.77%	7,547	0.59%	6,925	0.54%	3,040	0.24%
2006	7,440	0.58%	4,548	0.36%	1,400	0.11%	835	0.07%	492	0.04%
2007	4,567	0.36%	2,842	0.22%	877	0.07%	500	0.04%	295	0.02%
2008	1,739	0.14%	1,032	0.08%	393	0.03%	179	0.01%	108	0.01%
2009	672	0.05%	463	0.04%	130	0.01%	35	0.00%	33	0.00%
2010	806	0.06%	575	0.04%	125	0.01%	56	0.00%	37	0.00%
2011	385	0.03%	188	0.01%	71	0.01%	50	0.00%	36	0.00%
2012	38	0.00%	15	0.00%	14	0.00%	5	0.00%	4	0.00%
Total	1,279,576	100.00%	961,252	75.12%	129,402	10.11%	131,444	10.27%	55,075	4.30%

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Initial Failures (Diesel)

Year:2011

	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1982	1	0.01%	1	0.01%	0	0.00%
1985	1	0.01%	1	0.01%	0	0.00%
1986	1	0.01%	0	0.00%	1	0.01%
1989	1	0.01%	0	0.00%	1	0.01%
1998	392	5.50%	105	1.47%	287	4.03%
1999	920	12.91%	64	0.90%	856	12.01%
2000	525	7.37%	61	0.86%	464	6.51%
2001	826	11.59%	84	1.18%	742	10.41%
2002	925	12.98%	151	2.12%	774	10.86%
2003	1,233	17.30%	193	2.71%	1,040	14.59%
2004	746	10.47%	42	0.59%	704	9.88%
2005	728	10.21%	38	0.53%	690	9.68%
2006	578	8.11%	28	0.39%	550	7.72%
2007	156	2.19%	0	0.00%	156	2.19%
2008	66	0.93%	0	0.00%	66	0.93%
2009	21	0.29%	11	0.15%	10	0.14%
2010	6	0.08%	3	0.04%	3	0.04%
2011	2	0.03%	0	0.00%	2	0.03%
Total	7,128	100.00%	782	10.97%	6,346	89.03%

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First Re-test Failures (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1973	2	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%
1976	641	0.26%	411	0.17%	39	0.02%	104	0.04%	87	0.04%
1977	961	0.39%	582	0.23%	42	0.02%	205	0.08%	132	0.05%
1978	1,091	0.44%	737	0.30%	56	0.02%	178	0.07%	120	0.05%
1979	1,406	0.57%	940	0.38%	71	0.03%	286	0.12%	109	0.04%
1980	721	0.29%	489	0.20%	47	0.02%	113	0.05%	72	0.03%
1981	1,068	0.43%	848	0.34%	64	0.03%	87	0.04%	69	0.03%
1982	1,210	0.49%	975	0.39%	64	0.03%	109	0.04%	62	0.02%
1983	1,715	0.69%	1,391	0.56%	106	0.04%	146	0.06%	72	0.03%
1984	3,298	1.33%	2,603	1.05%	206	0.08%	328	0.13%	161	0.06%
1985	4,410	1.78%	3,572	1.44%	261	0.11%	427	0.17%	150	0.06%
1986	5,551	2.24%	4,572	1.84%	374	0.15%	477	0.19%	128	0.05%
1987	6,916	2.79%	5,962	2.40%	386	0.16%	414	0.17%	154	0.06%
1988	7,556	3.04%	6,388	2.57%	414	0.17%	552	0.22%	202	0.08%
1989	9,302	3.75%	7,745	3.12%	446	0.18%	879	0.35%	232	0.09%
1990	11,576	4.66%	10,007	4.03%	549	0.22%	849	0.34%	170	0.07%
1991	13,735	5.53%	12,138	4.89%	776	0.31%	627	0.25%	194	0.08%
1992	13,634	5.49%	11,896	4.79%	675	0.27%	901	0.36%	162	0.07%
1993	19,265	7.76%	16,854	6.79%	911	0.37%	1,309	0.53%	191	0.08%
1994	19,865	8.00%	17,032	6.86%	866	0.35%	1,733	0.70%	234	0.09%
1995	24,154	9.73%	20,850	8.40%	1,053	0.42%	1,960	0.79%	291	0.12%
1996	13,916	5.60%	12,108	4.88%	971	0.39%	621	0.25%	216	0.09%
1997	16,918	6.81%	14,732	5.93%	1,085	0.44%	844	0.34%	257	0.10%
1998	12,635	5.09%	10,831	4.36%	823	0.33%	703	0.28%	260	0.10%
1999	11,940	4.81%	9,496	3.82%	992	0.40%	1,077	0.43%	355	0.14%
2000	8,835	3.56%	7,281	2.93%	651	0.26%	579	0.23%	313	0.13%

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First Re-test Failures (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2001	14,754	5.94%	10,884	4.38%	1,268	0.51%	1,803	0.73%	780	0.31%
2002	6,224	2.51%	4,510	1.82%	712	0.29%	652	0.26%	307	0.12%
2003	7,646	3.08%	5,564	2.24%	722	0.29%	932	0.38%	387	0.16%
2004	2,541	1.02%	1,790	0.72%	306	0.12%	291	0.12%	141	0.06%
2005	3,960	1.59%	2,853	1.15%	516	0.21%	375	0.15%	180	0.07%
2006	440	0.18%	277	0.11%	82	0.03%	51	0.02%	22	0.01%
2007	234	0.09%	162	0.07%	36	0.01%	18	0.01%	17	0.01%
2008	70	0.03%	39	0.02%	22	0.01%	5	0.00%	4	0.00%
2009	28	0.01%	21	0.01%	6	0.00%	0	0.00%	1	0.00%
2010	46	0.02%	33	0.01%	10	0.00%	1	0.00%	1	0.00%
2011	13	0.01%	7	0.00%	0	0.00%	2	0.00%	1	0.00%
2012	2	0.00%	0	0.00%	1	0.00%	1	0.00%	0	0.00%
Total	248,279	100.00%	206,580	83.20%	15,609	6.29%	19,639	7.91%	6,236	2.51%

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First Re-test Failures (Diesel)

Year:2011

	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	53	9.31%	12	2.11%	41	7.21%
1999	63	11.07%	4	0.70%	59	10.37%
2000	23	4.04%	4	0.70%	19	3.34%
2001	73	12.83%	8	1.41%	65	11.42%
2002	108	18.98%	9	1.58%	99	17.40%
2003	111	19.51%	21	3.69%	90	15.82%
2004	47	8.26%	7	1.23%	40	7.03%
2005	56	9.84%	3	0.53%	53	9.31%
2006	30	5.27%	4	0.70%	26	4.57%
2007	5	0.88%	0	0.00%	5	0.88%
Total	569	100.00%	72	12.65%	497	87.35%

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First Re-test Passes (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1976	2,120	0.23%	1,102	0.12%	201	0.02%	423	0.05%	394	0.04%
1977	3,017	0.32%	1,476	0.16%	263	0.03%	672	0.07%	606	0.06%
1978	3,349	0.36%	1,812	0.19%	306	0.03%	596	0.06%	635	0.07%
1979	3,898	0.42%	2,209	0.24%	375	0.04%	714	0.08%	600	0.06%
1980	2,130	0.23%	1,328	0.14%	252	0.03%	284	0.03%	266	0.03%
1981	2,541	0.27%	1,725	0.18%	292	0.03%	251	0.03%	273	0.03%
1982	2,968	0.32%	2,063	0.22%	365	0.04%	255	0.03%	285	0.03%
1983	3,991	0.43%	2,802	0.30%	509	0.05%	353	0.04%	327	0.03%
1984	7,287	0.78%	5,078	0.54%	827	0.09%	673	0.07%	709	0.08%
1985	9,809	1.05%	7,039	0.75%	1,171	0.12%	854	0.09%	745	0.08%
1986	13,151	1.40%	9,604	1.02%	1,738	0.19%	935	0.10%	874	0.09%
1987	15,700	1.67%	11,785	1.26%	1,936	0.21%	1,064	0.11%	915	0.10%
1988	18,321	1.95%	13,771	1.47%	2,057	0.22%	1,510	0.16%	983	0.10%
1989	24,650	2.63%	18,445	1.97%	2,650	0.28%	2,283	0.24%	1,272	0.14%
1990	29,619	3.16%	22,995	2.45%	2,994	0.32%	2,419	0.26%	1,211	0.13%
1991	35,206	3.75%	28,398	3.03%	3,863	0.41%	1,941	0.21%	1,004	0.11%
1992	35,092	3.74%	27,773	2.96%	3,599	0.38%	2,633	0.28%	1,087	0.12%
1993	45,270	4.83%	36,149	3.86%	4,627	0.49%	3,368	0.36%	1,126	0.12%
1994	49,528	5.28%	38,548	4.11%	4,781	0.51%	4,654	0.50%	1,545	0.16%
1995	63,765	6.80%	49,592	5.29%	5,989	0.64%	6,208	0.66%	1,976	0.21%
1996	45,997	4.91%	36,116	3.85%	5,036	0.54%	3,488	0.37%	1,357	0.14%
1997	67,200	7.17%	51,676	5.51%	7,660	0.82%	5,839	0.62%	2,025	0.22%
1998	52,623	5.61%	39,712	4.24%	6,089	0.65%	5,268	0.56%	1,451	0.15%
1999	64,372	6.87%	43,446	4.63%	8,251	0.88%	9,052	0.97%	3,393	0.36%
2000	49,634	5.29%	35,727	3.81%	5,452	0.58%	5,478	0.58%	2,835	0.30%
2001	94,597	10.09%	61,832	6.59%	11,058	1.18%	14,942	1.59%	6,545	0.70%
2002	40,135	4.28%	26,179	2.79%	5,719	0.61%	5,432	0.58%	2,544	0.27%

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First Re-test Passes (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2003	67,790	7.23%	42,408	4.52%	8,521	0.91%	11,647	1.24%	4,807	0.51%
2004	22,167	2.36%	13,459	1.44%	3,051	0.33%	3,711	0.40%	1,747	0.19%
2005	46,693	4.98%	30,482	3.25%	6,781	0.72%	6,342	0.68%	2,856	0.30%
2006	6,714	0.72%	4,065	0.43%	1,252	0.13%	767	0.08%	485	0.05%
2007	4,744	0.51%	2,951	0.31%	924	0.10%	531	0.06%	290	0.03%
2008	1,670	0.18%	960	0.10%	390	0.04%	171	0.02%	121	0.01%
2009	663	0.07%	434	0.05%	148	0.02%	41	0.00%	31	0.00%
2010	813	0.09%	571	0.06%	141	0.02%	60	0.01%	41	0.00%
2011	344	0.04%	188	0.02%	68	0.01%	50	0.01%	37	0.00%
2012	35	0.00%	14	0.00%	13	0.00%	7	0.00%	1	0.00%
Total	937,603	100.00%	673,914	71.88%	109,349	11.66%	104,916	11.19%	47,399	5.06%

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First Re-test Passes (Diesel)

Year:2011

	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	287	4.68%	77	1.26%	210	3.43%
1999	748	12.20%	46	0.75%	702	11.45%
2000	469	7.65%	46	0.75%	423	6.90%
2001	705	11.50%	61	1.00%	644	10.51%
2002	772	12.60%	136	2.22%	636	10.38%
2003	1,080	17.62%	157	2.56%	923	15.06%
2004	649	10.59%	32	0.52%	617	10.07%
2005	646	10.54%	32	0.52%	614	10.02%
2006	527	8.60%	19	0.31%	508	8.29%
2007	144	2.35%	0	0.00%	144	2.35%
2008	71	1.16%	1	0.02%	70	1.14%
2009	24	0.39%	9	0.15%	15	0.24%
2010	6	0.10%	3	0.05%	3	0.05%
2011	1	0.02%	0	0.00%	1	0.02%
Total	6,129	100.00%	619	10.10%	5,510	89.90%

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Second or Later Passes (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1973	1	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
1976	671	0.26%	440	0.17%	38	0.01%	105	0.04%	88	0.03%
1977	1,091	0.42%	679	0.26%	48	0.02%	217	0.08%	147	0.06%
1978	1,221	0.47%	826	0.32%	63	0.02%	196	0.08%	136	0.05%
1979	1,542	0.59%	1,029	0.40%	79	0.03%	311	0.12%	123	0.05%
1980	769	0.30%	523	0.20%	49	0.02%	116	0.04%	81	0.03%
1981	1,147	0.44%	912	0.35%	66	0.03%	91	0.04%	78	0.03%
1982	1,258	0.48%	1,017	0.39%	60	0.02%	118	0.05%	63	0.02%
1983	1,836	0.71%	1,509	0.58%	120	0.05%	140	0.05%	67	0.03%
1984	3,636	1.40%	2,890	1.11%	218	0.08%	337	0.13%	191	0.07%
1985	4,834	1.86%	3,948	1.52%	258	0.10%	458	0.18%	170	0.07%
1986	5,969	2.30%	4,967	1.91%	362	0.14%	488	0.19%	152	0.06%
1987	7,399	2.85%	6,372	2.45%	398	0.15%	437	0.17%	192	0.07%
1988	8,026	3.09%	6,791	2.62%	411	0.16%	600	0.23%	224	0.09%
1989	9,787	3.77%	8,105	3.12%	484	0.19%	935	0.36%	263	0.10%
1990	12,252	4.72%	10,549	4.06%	591	0.23%	920	0.35%	192	0.07%
1991	14,587	5.62%	12,861	4.95%	831	0.32%	684	0.26%	211	0.08%
1992	14,623	5.63%	12,710	4.90%	759	0.29%	985	0.38%	169	0.07%
1993	20,416	7.86%	17,761	6.84%	978	0.38%	1,465	0.56%	212	0.08%
1994	21,139	8.14%	18,089	6.97%	922	0.36%	1,875	0.72%	253	0.10%
1995	26,157	10.07%	22,389	8.62%	1,156	0.45%	2,280	0.88%	332	0.13%
1996	13,987	5.39%	12,265	4.72%	899	0.35%	616	0.24%	207	0.08%
1997	17,633	6.79%	15,458	5.95%	1,040	0.40%	874	0.34%	261	0.10%
1998	12,933	4.98%	11,154	4.30%	810	0.31%	722	0.28%	236	0.09%
1999	12,335	4.75%	9,854	3.80%	986	0.38%	1,134	0.44%	347	0.13%
2000	9,051	3.49%	7,448	2.87%	665	0.26%	600	0.23%	322	0.12%

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Second or Later Passes (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2001	14,414	5.55%	10,664	4.11%	1,225	0.47%	1,769	0.68%	738	0.28%
2002	6,116	2.36%	4,435	1.71%	679	0.26%	656	0.25%	299	0.12%
2003	7,487	2.88%	5,496	2.12%	701	0.27%	906	0.35%	354	0.14%
2004	2,610	1.01%	1,864	0.72%	301	0.12%	293	0.11%	144	0.06%
2005	3,873	1.49%	2,780	1.07%	498	0.19%	368	0.14%	179	0.07%
2006	449	0.17%	276	0.11%	88	0.03%	52	0.02%	23	0.01%
2007	240	0.09%	164	0.06%	39	0.02%	19	0.01%	18	0.01%
2008	75	0.03%	42	0.02%	24	0.01%	4	0.00%	5	0.00%
2009	26	0.01%	20	0.01%	4	0.00%	1	0.00%	1	0.00%
2010	38	0.01%	30	0.01%	6	0.00%	1	0.00%	1	0.00%
2011	12	0.00%	6	0.00%	1	0.00%	4	0.00%	1	0.00%
2012	2	0.00%	0	0.00%	1	0.00%	0	0.00%	1	0.00%
Total	259,642	100.00%	216,323	83.32%	15,858	6.11%	20,777	8.00%	6,482	2.50%

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Second or Later Passes (Diesel)

Year:2011

	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	34	6.59%	12	2.33%	22	4.26%
1999	59	11.43%	6	1.16%	53	10.27%
2000	22	4.26%	5	0.97%	17	3.29%
2001	63	12.21%	9	1.74%	54	10.47%
2002	98	18.99%	8	1.55%	90	17.44%
2003	112	21.71%	23	4.46%	89	17.25%
2004	43	8.33%	6	1.16%	37	7.17%
2005	55	10.66%	1	0.19%	54	10.47%
2006	24	4.65%	3	0.58%	21	4.07%
2007	5	0.97%	0	0.00%	5	0.97%
2009	1	0.19%	1	0.19%	0	0.00%
Total	516	100.00%	74	14.34%	442	85.66%

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Vehicles Receiving a Waiver (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1976	1	0.05%	1	0.05%	0	0.00%	0	0.00%	0	0.00%
1977	2	0.10%	2	0.10%	0	0.00%	0	0.00%	0	0.00%
1978	4	0.19%	3	0.14%	0	0.00%	1	0.05%	0	0.00%
1979	4	0.19%	3	0.14%	0	0.00%	1	0.05%	0	0.00%
1980	3	0.14%	3	0.14%	0	0.00%	0	0.00%	0	0.00%
1981	6	0.29%	6	0.29%	0	0.00%	0	0.00%	0	0.00%
1982	8	0.38%	7	0.33%	1	0.05%	0	0.00%	0	0.00%
1983	6	0.29%	3	0.14%	2	0.10%	1	0.05%	0	0.00%
1984	16	0.76%	15	0.72%	0	0.00%	0	0.00%	1	0.05%
1985	24	1.14%	18	0.86%	1	0.05%	5	0.24%	0	0.00%
1986	22	1.05%	18	0.86%	1	0.05%	2	0.10%	1	0.05%
1987	37	1.76%	36	1.72%	0	0.00%	1	0.05%	0	0.00%
1988	45	2.15%	40	1.91%	2	0.10%	3	0.14%	0	0.00%
1989	49	2.34%	44	2.10%	1	0.05%	4	0.19%	0	0.00%
1990	63	3.00%	59	2.81%	1	0.05%	3	0.14%	0	0.00%
1991	77	3.67%	75	3.58%	1	0.05%	0	0.00%	1	0.05%
1992	79	3.77%	71	3.39%	3	0.14%	5	0.24%	0	0.00%
1993	106	5.05%	98	4.67%	3	0.14%	5	0.24%	0	0.00%
1994	95	4.53%	83	3.96%	6	0.29%	6	0.29%	0	0.00%
1995	151	7.20%	137	6.53%	9	0.43%	4	0.19%	1	0.05%
1996	189	9.01%	149	7.11%	28	1.34%	10	0.48%	2	0.10%
1997	156	7.44%	130	6.20%	19	0.91%	5	0.24%	2	0.10%
1998	150	7.15%	127	6.06%	11	0.52%	8	0.38%	4	0.19%
1999	133	6.34%	102	4.86%	14	0.67%	10	0.48%	6	0.29%

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Vehicles Receiving a Waiver (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
2000	129	6.15%	110	5.25%	9	0.43%	7	0.33%	3	0.14%
2001	232	11.06%	188	8.97%	20	0.95%	16	0.76%	8	0.38%
2002	107	5.10%	71	3.39%	17	0.81%	10	0.48%	9	0.43%
2003	99	4.72%	76	3.62%	7	0.33%	6	0.29%	9	0.43%
2004	60	2.86%	46	2.19%	6	0.29%	5	0.24%	3	0.14%
2005	44	2.10%	34	1.62%	6	0.29%	2	0.10%	2	0.10%
Total	2,097	100.00%	1,755	83.69%	168	8.01%	120	5.72%	52	2.48%

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Vehicles Receiving a Waiver (Diesel)

Year:2011

	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
Vehicle Model Year	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%

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Vehicles with No Known Outcome (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1969	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
1973	3	0.00%	1	0.00%	0	0.00%	1	0.00%	1	0.00%
1975	1	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
1976	749	0.34%	408	0.18%	57	0.03%	119	0.05%	165	0.07%
1977	931	0.42%	464	0.21%	70	0.03%	201	0.09%	196	0.09%
1978	1,107	0.50%	633	0.28%	89	0.04%	186	0.08%	199	0.09%
1979	1,419	0.64%	846	0.38%	105	0.05%	255	0.11%	213	0.10%
1980	781	0.35%	512	0.23%	88	0.04%	95	0.04%	86	0.04%
1981	1,037	0.47%	753	0.34%	96	0.04%	99	0.04%	88	0.04%
1982	1,201	0.54%	873	0.39%	137	0.06%	121	0.05%	70	0.03%
1983	1,580	0.71%	1,164	0.52%	166	0.07%	147	0.07%	102	0.05%
1984	3,024	1.36%	2,175	0.98%	357	0.16%	278	0.13%	213	0.10%
1985	3,939	1.77%	2,993	1.35%	408	0.18%	349	0.16%	189	0.09%
1986	5,162	2.32%	3,971	1.79%	606	0.27%	373	0.17%	212	0.10%
1987	6,394	2.88%	5,138	2.31%	657	0.30%	380	0.17%	219	0.10%
1988	7,106	3.20%	5,655	2.55%	706	0.32%	499	0.22%	246	0.11%
1989	8,746	3.94%	6,954	3.13%	745	0.34%	767	0.35%	280	0.13%
1990	10,159	4.57%	8,446	3.80%	820	0.37%	676	0.30%	216	0.10%
1991	11,528	5.19%	9,746	4.39%	1,128	0.51%	471	0.21%	182	0.08%
1992	10,746	4.84%	9,000	4.05%	924	0.42%	624	0.28%	198	0.09%
1993	13,862	6.24%	11,584	5.21%	1,238	0.56%	813	0.37%	227	0.10%
1994	14,025	6.31%	11,444	5.15%	1,200	0.54%	1,103	0.50%	277	0.12%
1995	16,247	7.31%	13,399	6.03%	1,322	0.60%	1,241	0.56%	285	0.13%
1996	12,819	5.77%	10,350	4.66%	1,417	0.64%	766	0.34%	286	0.13%

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Vehicles with No Known Outcome (Non-Diesel)

Year:2011

			Passenger Cars and Light Duty Trucks				Medium and Heavy Duty Trucks			
	All Tests		ASM Tests		TSI Tests		ASM Tests		TSI Tests	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1997	14,764	6.65%	11,787	5.31%	1,644	0.74%	990	0.45%	343	0.15%
1998	11,571	5.21%	9,075	4.09%	1,251	0.56%	900	0.41%	345	0.16%
1999	11,598	5.22%	8,155	3.67%	1,451	0.65%	1,454	0.65%	538	0.24%
2000	10,145	4.57%	7,742	3.49%	1,045	0.47%	867	0.39%	491	0.22%
2001	15,293	6.88%	10,516	4.73%	1,752	0.79%	2,069	0.93%	955	0.43%
2002	7,245	3.26%	5,041	2.27%	1,027	0.46%	774	0.35%	403	0.18%
2003	8,743	3.94%	5,598	2.52%	1,181	0.53%	1,387	0.62%	575	0.26%
2004	3,413	1.54%	2,228	1.00%	499	0.22%	469	0.21%	215	0.10%
2005	5,111	2.30%	3,581	1.61%	721	0.32%	581	0.26%	228	0.10%
2006	965	0.43%	614	0.28%	192	0.09%	100	0.05%	56	0.03%
2007	346	0.16%	220	0.10%	72	0.03%	34	0.02%	20	0.01%
2008	186	0.08%	117	0.05%	45	0.02%	18	0.01%	4	0.00%
2009	58	0.03%	43	0.02%	7	0.00%	2	0.00%	3	0.00%
2010	66	0.03%	43	0.02%	8	0.00%	0	0.00%	2	0.00%
2011	62	0.03%	11	0.00%	6	0.00%	4	0.00%	2	0.00%
2012	3	0.00%	2	0.00%	1	0.00%	0	0.00%	0	0.00%
Total	222,136	100.00%	171,283	77.11%	23,238	10.46%	19,214	8.65%	8,330	3.75%

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Vehicles with No Known Outcome (Diesel)

Year:2011

	All Vehicles		Passenger Cars and Light Duty Trucks		Medium and Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1982	1	0.08%	1	0.08%	0	0.00%
1985	1	0.08%	1	0.08%	0	0.00%
1986	1	0.08%	0	0.00%	1	0.08%
1989	1	0.08%	0	0.00%	1	0.08%
1998	115	9.54%	26	2.16%	89	7.38%
1999	199	16.50%	19	1.58%	180	14.93%
2000	101	8.37%	12	1.00%	89	7.38%
2001	129	10.70%	16	1.33%	113	9.37%
2002	140	11.61%	19	1.58%	121	10.03%
2003	174	14.43%	21	1.74%	153	12.69%
2004	128	10.61%	6	0.50%	122	10.12%
2005	97	8.04%	4	0.33%	93	7.71%
2006	81	6.72%	5	0.41%	76	6.30%
2007	27	2.24%	0	0.00%	27	2.24%
2008	7	0.58%	0	0.00%	7	0.58%
2009	2	0.17%	1	0.08%	1	0.08%
2010	1	0.08%	1	0.08%	0	0.00%
2011	1	0.08%	0	0.00%	1	0.08%
Total	1,206	100.00%	132	10.95%	1,074	89.05%

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Vehicles Passing the Initial On-board Diagnostic Check (Non-Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1996	303,336	3.87%	179,100	2.29%	84,256	1.08%	28,958	0.37%	11,022	0.14%
1997	538,995	6.88%	305,903	3.91%	159,829	2.04%	54,681	0.70%	18,582	0.24%
1998	448,752	5.73%	251,204	3.21%	136,846	1.75%	49,178	0.63%	11,524	0.15%
1999	753,196	9.62%	398,386	5.09%	205,722	2.63%	117,637	1.50%	31,451	0.40%
2000	519,993	6.64%	287,254	3.67%	139,283	1.78%	72,366	0.92%	21,090	0.27%
2001	1,066,165	13.61%	557,411	7.12%	280,952	3.59%	187,262	2.39%	40,540	0.52%
2002	460,093	5.87%	250,572	3.20%	117,127	1.50%	74,900	0.96%	17,494	0.22%
2003	1,251,565	15.98%	641,657	8.19%	314,198	4.01%	246,740	3.15%	48,970	0.63%
2004	405,223	5.17%	208,044	2.66%	96,851	1.24%	81,083	1.04%	19,245	0.25%
2005	1,404,365	17.93%	760,322	9.71%	354,447	4.52%	244,668	3.12%	44,928	0.57%
2006	248,230	3.17%	144,122	1.84%	50,477	0.64%	40,780	0.52%	12,851	0.16%
2007	202,408	2.58%	119,308	1.52%	38,886	0.50%	36,709	0.47%	7,505	0.10%
2008	91,971	1.17%	57,966	0.74%	15,436	0.20%	13,697	0.17%	4,872	0.06%
2009	43,283	0.55%	31,248	0.40%	6,458	0.08%	4,132	0.05%	1,445	0.02%
2010	65,584	0.84%	47,845	0.61%	9,149	0.12%	7,266	0.09%	1,324	0.02%
2011	28,220	0.36%	15,717	0.20%	5,453	0.07%	4,845	0.06%	2,205	0.03%
2012	2,098	0.03%	1,206	0.02%	281	0.00%	404	0.01%	207	0.00%
2013	2	0.00%	1	0.00%	1	0.00%	0	0.00%	0	0.00%
Total	7,833,479	100.00%	4,257,266	54.35%	2,015,652	25.73%	1,265,306	16.15%	295,255	3.77%

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Vehicles Passing the Initial On-board Diagnostic Check (Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	2,484	1.73%	452	0.31%	9	0.01%	50	0.03%	1,973	1.37%
1999	8,015	5.58%	487	0.34%	26	0.02%	190	0.13%	7,312	5.09%
2000	7,774	5.42%	380	0.26%	35	0.02%	152	0.11%	7,207	5.02%
2001	10,815	7.53%	421	0.29%	37	0.03%	239	0.17%	10,118	7.05%
2002	11,522	8.03%	909	0.63%	39	0.03%	246	0.17%	10,328	7.20%
2003	14,343	9.99%	1,176	0.82%	58	0.04%	272	0.19%	12,837	8.94%
2004	16,139	11.24%	510	0.36%	76	0.05%	333	0.23%	15,220	10.60%
2005	18,186	12.67%	802	0.56%	151	0.11%	393	0.27%	16,840	11.73%
2006	21,730	15.14%	779	0.54%	174	0.12%	421	0.29%	20,356	14.18%
2007	11,080	7.72%	130	0.09%	43	0.03%	309	0.22%	10,598	7.38%
2008	12,002	8.36%	154	0.11%	62	0.04%	214	0.15%	11,572	8.06%
2009	5,277	3.68%	1,775	1.24%	24	0.02%	518	0.36%	2,960	2.06%
2010	2,378	1.66%	1,286	0.90%	26	0.02%	228	0.16%	838	0.58%
2011	1,635	1.14%	517	0.36%	13	0.01%	125	0.09%	980	0.68%
2012	151	0.11%	41	0.03%	0	0.00%	12	0.01%	98	0.07%
Total	143,531	100.00%	9,819	6.84%	773	0.54%	3,702	2.58%	129,237	90.04%

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Vehicles Failing the Initial On-board Diagnostic Check (Non-Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1996	38,233	7.08%	22,329	4.13%	11,521	2.13%	3,396	0.63%	987	0.18%
1997	55,393	10.25%	30,069	5.56%	18,066	3.34%	5,754	1.06%	1,504	0.28%
1998	45,853	8.49%	24,482	4.53%	14,682	2.72%	5,665	1.05%	1,024	0.19%
1999	57,752	10.69%	30,401	5.63%	14,929	2.76%	10,186	1.89%	2,236	0.41%
2000	47,421	8.78%	26,763	4.95%	12,152	2.25%	7,087	1.31%	1,419	0.26%
2001	103,229	19.10%	50,938	9.43%	27,944	5.17%	20,323	3.76%	4,024	0.74%
2002	41,741	7.72%	22,354	4.14%	10,942	2.02%	6,858	1.27%	1,587	0.29%
2003	70,302	13.01%	34,934	6.47%	17,890	3.31%	13,897	2.57%	3,581	0.66%
2004	21,464	3.97%	11,586	2.14%	4,619	0.85%	4,089	0.76%	1,170	0.22%
2005	45,967	8.51%	25,596	4.74%	11,648	2.16%	6,642	1.23%	2,081	0.39%
2006	6,123	1.13%	3,492	0.65%	1,412	0.26%	892	0.17%	327	0.06%
2007	3,837	0.71%	2,257	0.42%	846	0.16%	602	0.11%	132	0.02%
2008	1,470	0.27%	930	0.17%	268	0.05%	225	0.04%	47	0.01%
2009	565	0.10%	433	0.08%	73	0.01%	44	0.01%	15	0.00%
2010	659	0.12%	484	0.09%	97	0.02%	66	0.01%	12	0.00%
2011	300	0.06%	174	0.03%	50	0.01%	48	0.01%	28	0.01%
2012	38	0.01%	26	0.00%	3	0.00%	6	0.00%	3	0.00%
Total	540,347	100.00%	287,248	53.16%	147,142	27.23%	85,780	15.87%	20,177	3.73%

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A-06 EPA Report 51.366 a.2.xii

Vehicles Failing the Initial On-board Diagnostic Check (Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1998	277	5.43%	97	1.90%	3	0.06%	7	0.14%	170	3.33%
1999	690	13.52%	53	1.04%	4	0.08%	17	0.33%	616	12.07%
2000	429	8.40%	52	1.02%	2	0.04%	11	0.22%	364	7.13%
2001	677	13.26%	77	1.51%	2	0.04%	10	0.20%	588	11.52%
2002	767	15.02%	143	2.80%	1	0.02%	14	0.27%	609	11.93%
2003	944	18.49%	181	3.55%	3	0.06%	22	0.43%	738	14.46%
2004	438	8.58%	36	0.71%	2	0.04%	15	0.29%	385	7.54%
2005	420	8.23%	28	0.55%	3	0.06%	14	0.27%	375	7.35%
2006	320	6.27%	6	0.12%	10	0.20%	10	0.20%	294	5.76%
2007	85	1.67%	0	0.00%	0	0.00%	2	0.04%	83	1.63%
2008	37	0.72%	0	0.00%	0	0.00%	4	0.08%	33	0.65%
2009	16	0.31%	10	0.20%	0	0.00%	2	0.04%	4	0.08%
2010	3	0.06%	2	0.04%	0	0.00%	1	0.02%	0	0.00%
2011	2	0.04%	0	0.00%	0	0.00%	0	0.00%	2	0.04%
Total	5,105	100.00%	685	13.42%	30	0.59%	129	2.53%	4,261	83.47%

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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:2011

	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	
Vehicle Model Year	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	283,816	4.37%	174,744	2.69%	140,477	3.71%	13,346	0.35%	15,091	0.40%	5,830	0.15%
1997	486,121	7.49%	287,483	4.43%	243,665	6.43%	19,805	0.52%	17,644	0.47%	6,369	0.17%
1998	403,633	6.22%	233,439	3.60%	201,673	5.33%	16,586	0.44%	10,529	0.28%	4,651	0.12%
1999	633,432	9.76%	350,988	5.41%	316,954	8.37%	20,984	0.55%	8,760	0.23%	4,290	0.11%
2000	453,536	6.99%	268,346	4.13%	239,404	6.32%	19,975	0.53%	5,501	0.15%	3,466	0.09%
2001	920,934	14.19%	515,492	7.94%	466,497	12.32%	39,940	1.05%	4,911	0.13%	4,144	0.11%
2002	382,298	5.89%	225,969	3.48%	204,896	5.41%	17,079	0.45%	2,178	0.06%	1,816	0.05%
2003	1,012,750	15.60%	565,337	8.71%	532,637	14.06%	28,065	0.74%	2,802	0.07%	1,833	0.05%
2004	317,958	4.90%	180,870	2.79%	170,279	4.50%	9,104	0.24%	887	0.02%	600	0.02%
2005	1,104,622	17.02%	650,107	10.01%	627,025	16.56%	20,486	0.54%	1,690	0.04%	906	0.02%
2006	182,610	2.81%	117,281	1.81%	114,200	3.02%	2,625	0.07%	370	0.01%	86	0.00%
2007	144,975	2.23%	94,496	1.46%	92,507	2.44%	1,725	0.05%	228	0.01%	36	0.00%
2008	63,390	0.98%	45,046	0.69%	44,273	1.17%	686	0.02%	76	0.00%	11	0.00%
2009	31,558	0.49%	24,909	0.38%	24,529	0.65%	345	0.01%	31	0.00%	4	0.00%
2010	50,992	0.79%	40,314	0.62%	39,849	1.05%	408	0.01%	54	0.00%	3	0.00%
2011	17,973	0.28%	11,670	0.18%	11,526	0.30%	128	0.00%	15	0.00%	1	0.00%
2012	1,158	0.02%	729	0.01%	715	0.02%	14	0.00%	0	0.00%	0	0.00%
2013	2	0.00%	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	6,491,758	100.00%	3,787,221	58.34%	3,471,107	91.65%	211,301	5.58%	70,767	1.87%	34,046	0.90%

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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:2011

	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	
Vehicle Model Year	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	283,816	4.37%	78,210	1.20%	62,763	3.90%	7,195	0.45%	5,662	0.35%	2,590	0.16%
1997	486,121	7.49%	140,577	2.17%	117,420	7.29%	11,610	0.72%	8,181	0.51%	3,366	0.21%
1998	403,633	6.22%	121,572	1.87%	102,812	6.39%	9,659	0.60%	6,531	0.41%	2,570	0.16%
1999	633,432	9.76%	172,352	2.65%	154,777	9.61%	10,617	0.66%	5,155	0.32%	1,803	0.11%
2000	453,536	6.99%	121,981	1.88%	108,584	6.74%	8,928	0.55%	3,141	0.20%	1,328	0.08%
2001	920,934	14.19%	239,704	3.69%	214,993	13.35%	21,202	1.32%	1,682	0.10%	1,827	0.11%
2002	382,298	5.89%	93,547	1.44%	84,580	5.25%	7,741	0.48%	602	0.04%	624	0.04%
2003	1,012,750	15.60%	235,966	3.63%	220,984	13.73%	13,211	0.82%	797	0.05%	974	0.06%
2004	317,958	4.90%	69,623	1.07%	65,838	4.09%	3,298	0.20%	300	0.02%	187	0.01%
2005	1,104,622	17.02%	252,808	3.89%	243,059	15.10%	8,947	0.56%	587	0.04%	215	0.01%
2006	182,610	2.81%	36,018	0.55%	34,900	2.17%	1,014	0.06%	93	0.01%	11	0.00%
2007	144,975	2.23%	25,598	0.39%	24,921	1.55%	597	0.04%	73	0.00%	7	0.00%
2008	63,390	0.98%	9,625	0.15%	9,441	0.59%	168	0.01%	14	0.00%	2	0.00%
2009	31,558	0.49%	4,043	0.06%	3,988	0.25%	46	0.00%	8	0.00%	1	0.00%
2010	50,992	0.79%	5,374	0.08%	5,305	0.33%	62	0.00%	7	0.00%	0	0.00%
2011	17,973	0.28%	2,986	0.05%	2,953	0.18%	30	0.00%	3	0.00%	0	0.00%
2012	1,158	0.02%	88	0.00%	87	0.01%	1	0.00%	0	0.00%	0	0.00%
2013	2	0.00%	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	6,491,758	100.00%	1,610,073	24.80%	1,457,406	90.52%	104,326	6.48%	32,836	2.04%	15,505	0.96%

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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:2011

	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	
Vehicle Model Year	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	283,816	4.37%	25,103	0.39%	21,769	2.30%	2,372	0.25%	623	0.07%	339	0.04%
1997	486,121	7.49%	48,376	0.75%	42,890	4.53%	4,252	0.45%	697	0.07%	537	0.06%
1998	403,633	6.22%	42,731	0.66%	37,612	3.97%	4,191	0.44%	482	0.05%	446	0.05%
1999	633,432	9.76%	94,065	1.45%	85,437	9.02%	7,382	0.78%	639	0.07%	607	0.06%
2000	453,536	6.99%	51,974	0.80%	46,934	4.96%	4,562	0.48%	241	0.03%	237	0.03%
2001	920,934	14.19%	140,598	2.17%	125,955	13.30%	14,046	1.48%	249	0.03%	348	0.04%
2002	382,298	5.89%	53,876	0.83%	49,014	5.18%	4,560	0.48%	107	0.01%	195	0.02%
2003	1,012,750	15.60%	184,100	2.84%	173,636	18.34%	9,955	1.05%	164	0.02%	345	0.04%
2004	317,958	4.90%	59,581	0.92%	56,588	5.98%	2,837	0.30%	61	0.01%	95	0.01%
2005	1,104,622	17.02%	180,456	2.78%	175,442	18.53%	4,783	0.51%	113	0.01%	118	0.01%
2006	182,610	2.81%	25,618	0.39%	25,022	2.64%	549	0.06%	32	0.00%	15	0.00%
2007	144,975	2.23%	22,654	0.35%	22,255	2.35%	390	0.04%	9	0.00%	0	0.00%
2008	63,390	0.98%	8,071	0.12%	7,924	0.84%	140	0.01%	6	0.00%	1	0.00%
2009	31,558	0.49%	2,250	0.03%	2,225	0.23%	24	0.00%	1	0.00%	0	0.00%
2010	50,992	0.79%	4,672	0.07%	4,628	0.49%	43	0.00%	1	0.00%	0	0.00%
2011	17,973	0.28%	2,482	0.04%	2,455	0.26%	27	0.00%	0	0.00%	0	0.00%
2012	1,158	0.02%	258	0.00%	255	0.03%	3	0.00%	0	0.00%	0	0.00%
2013	2	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	6,491,758	100.00%	946,865	14.59%	880,041	92.94%	60,116	6.35%	3,425	0.36%	3,283	0.35%

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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:2011

	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	
Vehicle Model Year	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	283,816	4.37%	5,759	0.09%	5,064	3.43%	541	0.37%	99	0.07%	55	0.04%
1997	486,121	7.49%	9,685	0.15%	8,684	5.88%	804	0.54%	130	0.09%	67	0.05%
1998	403,633	6.22%	5,891	0.09%	5,234	3.55%	555	0.38%	57	0.04%	45	0.03%
1999	633,432	9.76%	16,027	0.25%	14,725	9.98%	1,136	0.77%	96	0.07%	70	0.05%
2000	453,536	6.99%	11,235	0.17%	10,378	7.03%	772	0.52%	53	0.04%	32	0.02%
2001	920,934	14.19%	25,140	0.39%	22,577	15.30%	2,455	1.66%	45	0.03%	63	0.04%
2002	382,298	5.89%	8,906	0.14%	7,985	5.41%	873	0.59%	23	0.02%	25	0.02%
2003	1,012,750	15.60%	27,347	0.42%	25,311	17.15%	1,973	1.34%	33	0.02%	30	0.02%
2004	317,958	4.90%	7,884	0.12%	7,307	4.95%	559	0.38%	10	0.01%	8	0.01%
2005	1,104,622	17.02%	21,251	0.33%	20,210	13.69%	1,006	0.68%	15	0.01%	20	0.01%
2006	182,610	2.81%	3,693	0.06%	3,549	2.40%	137	0.09%	6	0.00%	1	0.00%
2007	144,975	2.23%	2,227	0.03%	2,168	1.47%	59	0.04%	0	0.00%	0	0.00%
2008	63,390	0.98%	648	0.01%	630	0.43%	18	0.01%	0	0.00%	0	0.00%
2009	31,558	0.49%	356	0.01%	350	0.24%	6	0.00%	0	0.00%	0	0.00%
2010	50,992	0.79%	632	0.01%	625	0.42%	7	0.00%	0	0.00%	0	0.00%
2011	17,973	0.28%	835	0.01%	816	0.55%	16	0.01%	3	0.00%	0	0.00%
2012	1,158	0.02%	83	0.00%	81	0.05%	2	0.00%	0	0.00%	0	0.00%
2013	2	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	6,491,758	100.00%	147,599	2.27%	135,694	91.93%	10,919	7.40%	570	0.39%	416	0.28%

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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:2011

	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	
Vehicle Model Year	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	57,752	3.15%	26,685	1.45%	22,886	3.03%	2,876	0.38%	646	0.09%	277	0.04%
1997	108,267	5.90%	48,489	2.64%	43,845	5.81%	3,564	0.47%	749	0.10%	331	0.04%
1998	90,055	4.91%	42,081	2.29%	38,385	5.09%	2,945	0.39%	478	0.06%	273	0.04%
1999	174,540	9.51%	77,596	4.23%	71,847	9.53%	4,728	0.63%	641	0.09%	380	0.05%
2000	111,194	6.06%	45,518	2.48%	41,812	5.54%	3,129	0.41%	403	0.05%	174	0.02%
2001	244,838	13.34%	92,676	5.05%	85,522	11.34%	6,608	0.88%	322	0.04%	224	0.03%
2002	115,677	6.30%	46,573	2.54%	42,998	5.70%	3,279	0.43%	164	0.02%	132	0.02%
2003	304,364	16.58%	110,802	6.04%	105,553	14.00%	4,816	0.64%	265	0.04%	168	0.02%
2004	103,362	5.63%	38,551	2.10%	36,576	4.85%	1,828	0.24%	100	0.01%	47	0.01%
2005	339,733	18.51%	135,503	7.38%	131,101	17.38%	4,094	0.54%	207	0.03%	101	0.01%
2006	65,050	3.54%	30,056	1.64%	29,155	3.87%	766	0.10%	121	0.02%	14	0.00%
2007	57,493	3.13%	27,016	1.47%	26,470	3.51%	487	0.06%	50	0.01%	9	0.00%
2008	26,348	1.44%	13,804	0.75%	13,539	1.80%	231	0.03%	32	0.00%	2	0.00%
2009	10,834	0.59%	6,262	0.34%	6,169	0.82%	84	0.01%	9	0.00%	0	0.00%
2010	14,891	0.81%	7,875	0.43%	7,801	1.03%	73	0.01%	1	0.00%	0	0.00%
2011	10,155	0.55%	4,128	0.22%	4,083	0.54%	45	0.01%	0	0.00%	0	0.00%
2012	976	0.05%	502	0.03%	490	0.06%	12	0.00%	0	0.00%	0	0.00%
Total	1,835,529	100.00%	754,117	41.08%	708,232	93.92%	39,565	5.25%	4,188	0.56%	2,132	0.28%

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Comparison of On-board Diagnostic Checks and Emissions Tests
TSI Test - Light Duty Trucks (Non-Diesel)
Year:2011

	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	
Vehicle Model Year	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	57,752	3.15%	17,567	0.96%	15,551	2.81%	1,547	0.28%	280	0.05%	189	0.03%
1997	108,267	5.90%	37,318	2.03%	33,801	6.12%	2,831	0.51%	427	0.08%	259	0.05%
1998	90,055	4.91%	29,948	1.63%	27,210	4.93%	2,291	0.41%	285	0.05%	162	0.03%
1999	174,540	9.51%	48,290	2.63%	45,528	8.24%	2,355	0.43%	253	0.05%	154	0.03%
2000	111,194	6.06%	29,439	1.60%	27,432	4.97%	1,807	0.33%	112	0.02%	88	0.02%
2001	244,838	13.34%	69,176	3.77%	64,185	11.62%	4,756	0.86%	78	0.01%	157	0.03%
2002	115,677	6.30%	34,511	1.88%	31,877	5.77%	2,516	0.46%	57	0.01%	61	0.01%
2003	304,364	16.58%	96,098	5.24%	92,339	16.71%	3,605	0.65%	56	0.01%	98	0.02%
2004	103,362	5.63%	31,824	1.73%	30,673	5.55%	1,119	0.20%	17	0.00%	15	0.00%
2005	339,733	18.51%	113,230	6.17%	110,713	20.04%	2,462	0.45%	34	0.01%	21	0.00%
2006	65,050	3.54%	15,803	0.86%	15,410	2.79%	382	0.07%	10	0.00%	1	0.00%
2007	57,493	3.13%	14,121	0.77%	13,866	2.51%	240	0.04%	14	0.00%	1	0.00%
2008	26,348	1.44%	6,059	0.33%	5,960	1.08%	98	0.02%	1	0.00%	0	0.00%
2009	10,834	0.59%	2,474	0.13%	2,448	0.44%	26	0.00%	0	0.00%	0	0.00%
2010	14,891	0.81%	3,867	0.21%	3,830	0.69%	35	0.01%	2	0.00%	0	0.00%
2011	10,155	0.55%	2,514	0.14%	2,494	0.45%	20	0.00%	0	0.00%	0	0.00%
2012	976	0.05%	196	0.01%	194	0.04%	2	0.00%	0	0.00%	0	0.00%
Total	1,835,529	100.00%	552,435	30.10%	523,511	94.76%	26,092	4.72%	1,626	0.29%	1,206	0.22%

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Comparison of On-board Diagnostic Checks and Emissions Tests
TSI Test - Medium Duty Trucks (Non-Diesel)
Year:2011

	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	
Vehicle Model Year	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	57,752	3.15%	7,251	0.40%	6,414	1.59%	612	0.15%	152	0.04%	73	0.02%
1997	108,267	5.90%	12,059	0.66%	10,957	2.72%	868	0.22%	137	0.03%	97	0.02%
1998	90,055	4.91%	12,086	0.66%	10,966	2.72%	883	0.22%	96	0.02%	141	0.03%
1999	174,540	9.51%	33,693	1.84%	31,370	7.78%	2,056	0.51%	130	0.03%	137	0.03%
2000	111,194	6.06%	27,438	1.49%	25,077	6.22%	2,196	0.54%	74	0.02%	91	0.02%
2001	244,838	13.34%	66,898	3.64%	60,911	15.11%	5,845	1.45%	66	0.02%	76	0.02%
2002	115,677	6.30%	27,788	1.51%	25,664	6.37%	2,057	0.51%	25	0.01%	42	0.01%
2003	304,364	16.58%	76,458	4.17%	72,810	18.06%	3,483	0.86%	64	0.02%	101	0.03%
2004	103,362	5.63%	25,462	1.39%	24,287	6.03%	1,130	0.28%	18	0.00%	27	0.01%
2005	339,733	18.51%	70,735	3.85%	68,963	17.11%	1,719	0.43%	34	0.01%	19	0.00%
2006	65,050	3.54%	15,924	0.87%	15,588	3.87%	324	0.08%	11	0.00%	1	0.00%
2007	57,493	3.13%	14,552	0.79%	14,338	3.56%	209	0.05%	3	0.00%	2	0.00%
2008	26,348	1.44%	5,791	0.32%	5,704	1.42%	83	0.02%	4	0.00%	0	0.00%
2009	10,834	0.59%	1,749	0.10%	1,730	0.43%	17	0.00%	2	0.00%	0	0.00%
2010	14,891	0.81%	2,621	0.14%	2,597	0.64%	23	0.01%	1	0.00%	0	0.00%
2011	10,155	0.55%	2,389	0.13%	2,368	0.59%	21	0.01%	0	0.00%	0	0.00%
2012	976	0.05%	152	0.01%	149	0.04%	3	0.00%	0	0.00%	0	0.00%
Total	1,835,529	100.00%	403,046	21.96%	379,893	94.26%	21,529	5.34%	817	0.20%	807	0.20%

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Comparison of On-board Diagnostic Checks and Emissions Tests
TSI Test - Heavy Duty Trucks (Non-Diesel)
Year:2011

	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	
Vehicle Model Year	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	57,752	3.15%	6,249	0.34%	5,622	4.46%	345	0.27%	236	0.19%	46	0.04%
1997	108,267	5.90%	10,401	0.57%	9,410	7.47%	576	0.46%	358	0.28%	57	0.05%
1998	90,055	4.91%	5,940	0.32%	5,318	4.22%	331	0.26%	250	0.20%	41	0.03%
1999	174,540	9.51%	14,961	0.82%	13,733	10.91%	769	0.61%	376	0.30%	83	0.07%
2000	111,194	6.06%	8,799	0.48%	8,081	6.42%	463	0.37%	211	0.17%	44	0.03%
2001	244,838	13.34%	16,088	0.88%	14,616	11.61%	1,311	1.04%	132	0.10%	29	0.02%
2002	115,677	6.30%	6,805	0.37%	6,234	4.95%	471	0.37%	80	0.06%	20	0.02%
2003	304,364	16.58%	21,006	1.14%	19,626	15.58%	1,260	1.00%	105	0.08%	15	0.01%
2004	103,362	5.63%	7,525	0.41%	6,992	5.55%	483	0.38%	46	0.04%	4	0.00%
2005	339,733	18.51%	20,265	1.10%	19,297	15.32%	874	0.69%	83	0.07%	11	0.01%
2006	65,050	3.54%	3,267	0.18%	3,150	2.50%	109	0.09%	8	0.01%	0	0.00%
2007	57,493	3.13%	1,804	0.10%	1,747	1.39%	54	0.04%	3	0.00%	0	0.00%
2008	26,348	1.44%	694	0.04%	684	0.54%	10	0.01%	0	0.00%	0	0.00%
2009	10,834	0.59%	349	0.02%	342	0.27%	7	0.01%	0	0.00%	0	0.00%
2010	14,891	0.81%	528	0.03%	522	0.41%	5	0.00%	1	0.00%	0	0.00%
2011	10,155	0.55%	1,124	0.06%	1,112	0.88%	12	0.01%	0	0.00%	0	0.00%
2012	976	0.05%	126	0.01%	125	0.10%	1	0.00%	0	0.00%	0	0.00%
Total	1,835,529	100.00%	125,931	6.86%	116,611	92.60%	7,081	5.62%	1,889	1.50%	350	0.28%

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Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
Passenger Cars (Non-Diesel)
Year:2011

	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	
Vehicle Model Year	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	334,939	10.86%	196,934	6.38%	174,538	10.29%	20,382	1.20%	798	0.05%	1,216	0.07%
1997	577,816	18.73%	324,988	10.53%	294,841	17.38%	27,629	1.63%	1,017	0.06%	1,501	0.09%
1998	476,500	15.45%	263,563	8.54%	239,108	14.09%	22,062	1.30%	927	0.05%	1,466	0.09%
1999	768,391	24.91%	404,483	13.11%	374,576	22.07%	27,374	1.61%	1,026	0.06%	1,507	0.09%
2000	144,019	4.67%	78,995	2.56%	71,877	4.24%	6,313	0.37%	262	0.02%	543	0.03%
2001	181,373	5.88%	94,424	3.06%	85,452	5.04%	7,973	0.47%	321	0.02%	678	0.04%
2002	78,201	2.53%	42,093	1.36%	38,165	2.25%	3,398	0.20%	167	0.01%	363	0.02%
2003	173,235	5.62%	88,516	2.87%	83,266	4.91%	4,489	0.26%	318	0.02%	443	0.03%
2004	58,883	1.91%	30,572	0.99%	28,741	1.69%	1,600	0.09%	100	0.01%	131	0.01%
2005	180,030	5.84%	100,625	3.26%	96,836	5.71%	3,290	0.19%	276	0.02%	223	0.01%
2006	35,631	1.15%	21,260	0.69%	20,593	1.21%	601	0.04%	44	0.00%	22	0.00%
2007	35,709	1.16%	21,649	0.70%	21,099	1.24%	492	0.03%	42	0.00%	16	0.00%
2008	17,139	0.56%	11,441	0.37%	11,190	0.66%	234	0.01%	14	0.00%	3	0.00%
2009	7,709	0.25%	5,932	0.19%	5,796	0.34%	129	0.01%	6	0.00%	1	0.00%
2010	11,262	0.37%	8,596	0.28%	8,427	0.50%	149	0.01%	17	0.00%	3	0.00%
2011	4,085	0.13%	2,663	0.09%	2,619	0.15%	39	0.00%	5	0.00%	0	0.00%
2012	171	0.01%	122	0.00%	117	0.01%	5	0.00%	0	0.00%	0	0.00%
2013	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	3,085,094	100.00%	1,696,856	55.00%	1,557,241	91.77%	126,159	7.43%	5,340	0.31%	8,116	0.48%

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Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
Light Duty Trucks (Non-Diesel)
Year:2011

	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	
Vehicle Model Year	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	334,939	10.86%	94,430	3.06%	82,653	9.62%	10,505	1.22%	452	0.05%	820	0.10%
1997	577,816	18.73%	174,611	5.66%	156,031	18.16%	16,386	1.91%	839	0.10%	1,355	0.16%
1998	476,500	15.45%	148,551	4.82%	133,536	15.54%	13,372	1.56%	620	0.07%	1,023	0.12%
1999	768,391	24.91%	213,006	6.90%	197,917	23.04%	13,549	1.58%	651	0.08%	889	0.10%
2000	144,019	4.67%	39,606	1.28%	36,180	4.21%	2,919	0.34%	176	0.02%	331	0.04%
2001	181,373	5.88%	48,365	1.57%	43,429	5.06%	4,349	0.51%	179	0.02%	408	0.05%
2002	78,201	2.53%	20,009	0.65%	18,041	2.10%	1,712	0.20%	59	0.01%	197	0.02%
2003	173,235	5.62%	43,112	1.40%	40,150	4.67%	2,367	0.28%	159	0.02%	436	0.05%
2004	58,883	1.91%	13,870	0.45%	13,097	1.52%	677	0.08%	45	0.01%	51	0.01%
2005	180,030	5.84%	42,990	1.39%	41,311	4.81%	1,402	0.16%	121	0.01%	156	0.02%
2006	35,631	1.15%	7,305	0.24%	7,055	0.82%	223	0.03%	14	0.00%	13	0.00%
2007	35,709	1.16%	7,015	0.23%	6,832	0.80%	167	0.02%	10	0.00%	6	0.00%
2008	17,139	0.56%	2,980	0.10%	2,904	0.34%	67	0.01%	8	0.00%	1	0.00%
2009	7,709	0.25%	1,085	0.04%	1,064	0.12%	20	0.00%	1	0.00%	0	0.00%
2010	11,262	0.37%	1,475	0.05%	1,449	0.17%	25	0.00%	1	0.00%	0	0.00%
2011	4,085	0.13%	648	0.02%	639	0.07%	7	0.00%	2	0.00%	0	0.00%
2012	171	0.01%	21	0.00%	21	0.00%	0	0.00%	0	0.00%	0	0.00%
2013	1	0.00%	1	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	3,085,094	100.00%	859,080	27.85%	782,310	91.06%	67,747	7.89%	3,337	0.39%	5,686	0.66%

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Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
Medium Duty Trucks (Non-Diesel)
Year:2011

	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	
Vehicle Model Year	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	334,939	10.86%	31,932	1.04%	28,467	6.68%	3,091	0.73%	116	0.03%	258	0.06%
1997	577,816	18.73%	59,223	1.92%	53,437	12.54%	5,243	1.23%	163	0.04%	380	0.09%
1998	476,500	15.45%	53,270	1.73%	47,629	11.18%	5,221	1.23%	119	0.03%	301	0.07%
1999	768,391	24.91%	122,319	3.96%	112,297	26.36%	9,363	2.20%	193	0.05%	466	0.11%
2000	144,019	4.67%	19,970	0.65%	18,094	4.25%	1,690	0.40%	53	0.01%	133	0.03%
2001	181,373	5.88%	31,856	1.03%	28,404	6.67%	3,127	0.73%	93	0.02%	232	0.05%
2002	78,201	2.53%	13,109	0.42%	11,911	2.80%	1,058	0.25%	45	0.01%	95	0.02%
2003	173,235	5.62%	34,701	1.12%	32,623	7.66%	1,794	0.42%	100	0.02%	184	0.04%
2004	58,883	1.91%	11,863	0.38%	11,147	2.62%	628	0.15%	46	0.01%	42	0.01%
2005	180,030	5.84%	30,570	0.99%	29,534	6.93%	905	0.21%	81	0.02%	50	0.01%
2006	35,631	1.15%	6,117	0.20%	5,945	1.40%	150	0.04%	14	0.00%	8	0.00%
2007	35,709	1.16%	6,417	0.21%	6,289	1.48%	118	0.03%	6	0.00%	4	0.00%
2008	17,139	0.56%	2,493	0.08%	2,435	0.57%	48	0.01%	7	0.00%	3	0.00%
2009	7,709	0.25%	592	0.02%	578	0.14%	8	0.00%	5	0.00%	1	0.00%
2010	11,262	0.37%	996	0.03%	988	0.23%	6	0.00%	2	0.00%	0	0.00%
2011	4,085	0.13%	572	0.02%	561	0.13%	8	0.00%	3	0.00%	0	0.00%
2012	171	0.01%	19	0.00%	19	0.00%	0	0.00%	0	0.00%	0	0.00%
2013	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	3,085,094	100.00%	426,019	13.81%	390,358	91.63%	32,458	7.62%	1,046	0.25%	2,157	0.51%

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Comparison of On-board Diagnostic Checks and Gas Cap Evaporative Tests
Heavy Duty Trucks (Non-Diesel)
Year: 2011

	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	
Vehicle Model Year	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	334,939	10.86%	11,643	0.38%	10,634	10.31%	885	0.86%	45	0.04%	79	0.08%
1997	577,816	18.73%	18,994	0.62%	17,469	16.94%	1,330	1.29%	86	0.08%	109	0.11%
1998	476,500	15.45%	11,116	0.36%	10,143	9.83%	877	0.85%	42	0.04%	54	0.05%
1999	768,391	24.91%	28,583	0.93%	26,582	25.77%	1,774	1.72%	77	0.07%	150	0.15%
2000	144,019	4.67%	5,448	0.18%	5,069	4.91%	318	0.31%	27	0.03%	34	0.03%
2001	181,373	5.88%	6,728	0.22%	6,058	5.87%	593	0.57%	28	0.03%	49	0.05%
2002	78,201	2.53%	2,990	0.10%	2,691	2.61%	249	0.24%	11	0.01%	39	0.04%
2003	173,235	5.62%	6,906	0.22%	6,355	6.16%	482	0.47%	23	0.02%	46	0.04%
2004	58,883	1.91%	2,578	0.08%	2,398	2.33%	145	0.14%	16	0.02%	19	0.02%
2005	180,030	5.84%	5,845	0.19%	5,511	5.34%	294	0.29%	17	0.02%	23	0.02%
2006	35,631	1.15%	949	0.03%	898	0.87%	48	0.05%	3	0.00%	0	0.00%
2007	35,709	1.16%	628	0.02%	607	0.59%	19	0.02%	0	0.00%	2	0.00%
2008	17,139	0.56%	225	0.01%	219	0.21%	6	0.01%	0	0.00%	0	0.00%
2009	7,709	0.25%	100	0.00%	97	0.09%	3	0.00%	0	0.00%	0	0.00%
2010	11,262	0.37%	195	0.01%	190	0.18%	2	0.00%	2	0.00%	1	0.00%
2011	4,085	0.13%	202	0.01%	199	0.19%	3	0.00%	0	0.00%	0	0.00%
2012	171	0.01%	9	0.00%	9	0.01%	0	0.00%	0	0.00%	0	0.00%
2013	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	3,085,094	100.00%	103,139	3.34%	95,129	92.23%	7,028	6.81%	377	0.37%	605	0.59%

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Comparison of MIL Command Status and Stored DTCs
Passenger Cars (Non-Diesel)
Year:2011

	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	
Vehicle Model Year	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	335,932	4.55%	199,551	2.70%	269	0.01%	12,413	0.31%	170,036	4.22%	16,833	0.42%
1997	587,074	7.94%	334,089	4.52%	364	0.01%	16,231	0.40%	289,347	7.17%	28,147	0.70%
1998	488,849	6.61%	274,032	3.71%	346	0.01%	13,037	0.32%	234,890	5.82%	25,759	0.64%
1999	800,235	10.83%	426,569	5.77%	506	0.01%	16,342	0.41%	374,264	9.28%	35,457	0.88%
2000	560,813	7.59%	311,935	4.22%	365	0.01%	14,936	0.37%	269,505	6.68%	27,129	0.67%
2001	1,159,240	15.69%	605,297	8.19%	643	0.02%	23,869	0.59%	525,279	13.02%	55,506	1.38%
2002	496,284	6.72%	271,292	3.67%	297	0.01%	9,791	0.24%	235,473	5.84%	25,731	0.64%
2003	1,274,094	17.24%	639,943	8.66%	265	0.01%	16,725	0.41%	581,838	14.43%	41,115	1.02%
2004	375,546	5.08%	196,995	2.67%	47	0.00%	4,166	0.10%	180,091	4.46%	12,691	0.31%
2005	1,060,383	14.35%	616,301	8.34%	36	0.00%	10,223	0.25%	579,195	14.36%	26,847	0.67%
2006	131,564	1.78%	77,669	1.05%	7	0.00%	532	0.01%	74,041	1.84%	3,089	0.08%
2007	63,044	0.85%	39,259	0.53%	10	0.00%	192	0.00%	37,706	0.93%	1,351	0.03%
2008	24,878	0.34%	17,085	0.23%	2	0.00%	52	0.00%	16,598	0.41%	433	0.01%
2009	10,758	0.15%	8,254	0.11%	1	0.00%	26	0.00%	8,099	0.20%	128	0.00%
2010	14,938	0.20%	11,093	0.15%	1	0.00%	21	0.00%	10,962	0.27%	109	0.00%
2011	6,184	0.08%	3,754	0.05%	0	0.00%	6	0.00%	3,713	0.09%	35	0.00%
2012	415	0.01%	280	0.00%	0	0.00%	0	0.00%	277	0.01%	3	0.00%
2013	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	7,390,232	100.00%	4,033,398	54.58%	3,159	0.08%	138,562	3.44%	3,591,314	89.04%	300,363	7.45%

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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:2011

	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	
Vehicle Model Year	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	2,536	3.67%	526	0.76%	0	0.00%	89	1.60%	403	7.25%	34	0.61%
1999	7,892	11.42%	515	0.75%	0	0.00%	44	0.79%	444	7.99%	27	0.49%
2000	7,289	10.55%	415	0.60%	0	0.00%	39	0.70%	353	6.35%	23	0.41%
2001	10,390	15.03%	474	0.69%	1	0.02%	45	0.81%	406	7.30%	22	0.40%
2002	11,178	16.17%	1,024	1.48%	0	0.00%	78	1.40%	876	15.76%	70	1.26%
2003	10,113	14.63%	1,272	1.84%	1	0.02%	100	1.80%	1,087	19.56%	84	1.51%
2004	8,200	11.87%	468	0.68%	0	0.00%	14	0.25%	406	7.30%	48	0.86%
2005	9,949	14.40%	726	1.05%	0	0.00%	10	0.18%	668	12.02%	48	0.86%
2006	1,546	2.24%	138	0.20%	0	0.00%	0	0.00%	134	2.41%	4	0.07%
2007	10	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2008	4	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	69,107	100.00%	5,558	8.04%	2	0.04%	419	7.54%	4,777	85.95%	360	6.48%

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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:2011

	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	
Vehicle Model Year	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	335,932	4.55%	95,143	1.29%	42	0.00%	6,042	0.31%	77,638	3.93%	11,421	0.58%
1997	587,074	7.94%	177,084	2.40%	28	0.00%	9,108	0.46%	148,153	7.50%	19,795	1.00%
1998	488,849	6.61%	150,806	2.04%	25	0.00%	7,153	0.36%	128,828	6.52%	14,800	0.75%
1999	800,235	10.83%	219,887	2.98%	49	0.00%	7,660	0.39%	194,719	9.85%	17,459	0.88%
2000	560,813	7.59%	150,729	2.04%	35	0.00%	6,259	0.32%	126,920	6.42%	17,515	0.89%
2001	1,159,240	15.69%	307,770	4.16%	154	0.01%	12,975	0.66%	274,100	13.87%	20,541	1.04%
2002	496,284	6.72%	127,486	1.73%	63	0.00%	4,621	0.23%	110,951	5.62%	11,851	0.60%
2003	1,274,094	17.24%	330,550	4.47%	127	0.01%	8,856	0.45%	294,604	14.91%	26,963	1.36%
2004	375,546	5.08%	93,637	1.27%	15	0.00%	1,811	0.09%	83,398	4.22%	8,413	0.43%
2005	1,060,383	14.35%	267,408	3.62%	22	0.00%	4,944	0.25%	249,517	12.63%	12,925	0.65%
2006	131,564	1.78%	32,813	0.44%	3	0.00%	317	0.02%	30,996	1.57%	1,497	0.08%
2007	63,044	0.85%	13,743	0.19%	0	0.00%	59	0.00%	13,224	0.67%	460	0.02%
2008	24,878	0.34%	4,068	0.06%	0	0.00%	11	0.00%	3,946	0.20%	111	0.01%
2009	10,758	0.15%	1,498	0.02%	1	0.00%	4	0.00%	1,475	0.07%	18	0.00%
2010	14,938	0.20%	2,020	0.03%	0	0.00%	1	0.00%	2,001	0.10%	18	0.00%
2011	6,184	0.08%	1,149	0.02%	0	0.00%	0	0.00%	1,142	0.06%	7	0.00%
2012	415	0.01%	61	0.00%	0	0.00%	0	0.00%	61	0.00%	0	0.00%
2013	1	0.00%	1	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%
Total	7,390,232	100.00%	1,975,853	26.74%	564	0.03%	69,821	3.53%	1,741,674	88.15%	163,794	8.29%

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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:2011

	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	
Vehicle Model Year	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	2,536	3.67%	9	0.01%	0	0.00%	2	0.48%	6	1.43%	1	0.24%
1999	7,892	11.42%	25	0.04%	0	0.00%	3	0.71%	20	4.75%	2	0.48%
2000	7,289	10.55%	34	0.05%	0	0.00%	2	0.48%	30	7.13%	2	0.48%
2001	10,390	15.03%	33	0.05%	0	0.00%	1	0.24%	27	6.41%	5	1.19%
2002	11,178	16.17%	36	0.05%	0	0.00%	0	0.00%	31	7.36%	5	1.19%
2003	10,113	14.63%	40	0.06%	3	0.71%	1	0.24%	29	6.89%	7	1.66%
2004	8,200	11.87%	49	0.07%	0	0.00%	0	0.00%	43	10.21%	6	1.43%
2005	9,949	14.40%	116	0.17%	0	0.00%	1	0.24%	99	23.52%	16	3.80%
2006	1,546	2.24%	79	0.11%	0	0.00%	6	1.43%	62	14.73%	11	2.61%
2007	10	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2008	4	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	69,107	100.00%	421	0.61%	3	0.71%	16	3.80%	347	82.42%	55	13.06%

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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:2011

	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	
Vehicle Model Year	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	335,932	4.55%	32,120	0.43%	10	0.00%	1,923	0.17%	26,730	2.32%	3,457	0.30%
1997	587,074	7.94%	60,196	0.81%	13	0.00%	3,283	0.29%	52,266	4.54%	4,634	0.40%
1998	488,849	6.61%	54,430	0.74%	15	0.00%	2,733	0.24%	46,873	4.07%	4,809	0.42%
1999	800,235	10.83%	127,067	1.72%	66	0.01%	4,906	0.43%	113,576	9.86%	8,519	0.74%
2000	560,813	7.59%	78,980	1.07%	38	0.00%	3,204	0.28%	70,430	6.12%	5,308	0.46%
2001	1,159,240	15.69%	206,709	2.80%	74	0.01%	7,528	0.65%	188,215	16.34%	10,892	0.95%
2002	496,284	6.72%	81,350	1.10%	27	0.00%	2,574	0.22%	73,816	6.41%	4,933	0.43%
2003	1,274,094	17.24%	259,098	3.51%	50	0.00%	6,210	0.54%	240,832	20.91%	12,006	1.04%
2004	375,546	5.08%	70,276	0.95%	6	0.00%	1,154	0.10%	66,066	5.74%	3,050	0.26%
2005	1,060,383	14.35%	148,006	2.00%	10	0.00%	1,899	0.16%	140,124	12.17%	5,973	0.52%
2006	131,564	1.78%	17,517	0.24%	0	0.00%	139	0.01%	16,651	1.45%	727	0.06%
2007	63,044	0.85%	8,514	0.12%	0	0.00%	34	0.00%	8,154	0.71%	326	0.03%
2008	24,878	0.34%	3,507	0.05%	0	0.00%	7	0.00%	3,385	0.29%	115	0.01%
2009	10,758	0.15%	915	0.01%	0	0.00%	4	0.00%	890	0.08%	21	0.00%
2010	14,938	0.20%	1,671	0.02%	0	0.00%	0	0.00%	1,656	0.14%	15	0.00%
2011	6,184	0.08%	1,136	0.02%	0	0.00%	0	0.00%	1,123	0.10%	13	0.00%
2012	415	0.01%	66	0.00%	0	0.00%	0	0.00%	66	0.01%	0	0.00%
2013	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	7,390,232	100.00%	1,151,558	15.58%	309	0.03%	35,598	3.09%	1,050,853	91.25%	64,798	5.63%

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Comparison of MIL Command Status and Stored DTCs
Medium Duty Trucks (Diesel)
Year:2011

	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	
Vehicle Model Year	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	2,536	3.67%	50	0.07%	0	0.00%	5	0.30%	30	1.80%	15	0.90%
1999	7,892	11.42%	190	0.27%	1	0.06%	12	0.72%	162	9.72%	15	0.90%
2000	7,289	10.55%	154	0.22%	1	0.06%	8	0.48%	132	7.92%	13	0.78%
2001	10,390	15.03%	230	0.33%	0	0.00%	8	0.48%	193	11.58%	29	1.74%
2002	11,178	16.17%	236	0.34%	0	0.00%	9	0.54%	201	12.06%	26	1.56%
2003	10,113	14.63%	229	0.33%	11	0.66%	8	0.48%	183	10.98%	27	1.62%
2004	8,200	11.87%	238	0.34%	0	0.00%	6	0.36%	205	12.30%	27	1.62%
2005	9,949	14.40%	294	0.43%	0	0.00%	8	0.48%	254	15.25%	32	1.92%
2006	1,546	2.24%	45	0.07%	0	0.00%	1	0.06%	38	2.28%	6	0.36%
2007	10	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
2008	4	0.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	69,107	100.00%	1,666	2.41%	13	0.78%	65	3.90%	1,398	83.91%	190	11.40%

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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:2011

	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	
Vehicle Model Year	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	335,932	4.55%	9,118	0.12%	3	0.00%	479	0.21%	7,831	3.41%	805	0.35%
1997	587,074	7.94%	15,705	0.21%	3	0.00%	726	0.32%	13,886	6.05%	1,090	0.48%
1998	488,849	6.61%	9,581	0.13%	12	0.01%	440	0.19%	8,141	3.55%	988	0.43%
1999	800,235	10.83%	26,712	0.36%	5	0.00%	1,036	0.45%	23,615	10.29%	2,056	0.90%
2000	560,813	7.59%	19,169	0.26%	12	0.01%	604	0.26%	17,138	7.47%	1,415	0.62%
2001	1,159,240	15.69%	39,464	0.53%	8	0.00%	1,116	0.49%	35,864	15.63%	2,476	1.08%
2002	496,284	6.72%	16,156	0.22%	3	0.00%	423	0.18%	14,513	6.33%	1,217	0.53%
2003	1,274,094	17.24%	44,503	0.60%	269	0.12%	1,109	0.48%	40,260	17.55%	2,865	1.25%
2004	375,546	5.08%	14,638	0.20%	2	0.00%	284	0.12%	13,413	5.85%	939	0.41%
2005	1,060,383	14.35%	28,668	0.39%	0	0.00%	544	0.24%	26,463	11.53%	1,661	0.72%
2006	131,564	1.78%	3,565	0.05%	0	0.00%	36	0.02%	3,343	1.46%	186	0.08%
2007	63,044	0.85%	1,528	0.02%	0	0.00%	8	0.00%	1,477	0.64%	43	0.02%
2008	24,878	0.34%	218	0.00%	0	0.00%	0	0.00%	213	0.09%	5	0.00%
2009	10,758	0.15%	91	0.00%	0	0.00%	0	0.00%	91	0.04%	0	0.00%
2010	14,938	0.20%	154	0.00%	0	0.00%	0	0.00%	153	0.07%	1	0.00%
2011	6,184	0.08%	145	0.00%	0	0.00%	0	0.00%	144	0.06%	1	0.00%
2012	415	0.01%	8	0.00%	0	0.00%	0	0.00%	8	0.00%	0	0.00%
2013	1	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Total	7,390,232	100.00%	229,423	3.10%	317	0.14%	6,805	2.97%	206,553	90.03%	15,748	6.86%

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Comparison of MIL Command Status and Stored DTCs
Heavy Duty Trucks (Diesel)
Year:2011

	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	
Vehicle Model Year	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	2,536	3.67%	1,951	2.82%	17	0.03%	127	0.21%	1,336	2.17%	471	0.77%
1999	7,892	11.42%	7,162	10.36%	16	0.03%	488	0.79%	5,937	9.66%	721	1.17%
2000	7,289	10.55%	6,686	9.67%	3	0.00%	274	0.45%	5,807	9.45%	602	0.98%
2001	10,390	15.03%	9,653	13.97%	16	0.03%	338	0.55%	8,419	13.70%	880	1.43%
2002	11,178	16.17%	9,882	14.30%	17	0.03%	266	0.43%	8,722	14.19%	877	1.43%
2003	10,113	14.63%	8,572	12.40%	830	1.35%	324	0.53%	6,662	10.84%	756	1.23%
2004	8,200	11.87%	7,445	10.77%	4	0.01%	107	0.17%	6,441	10.48%	893	1.45%
2005	9,949	14.40%	8,813	12.75%	3	0.00%	67	0.11%	7,983	12.99%	760	1.24%
2006	1,546	2.24%	1,284	1.86%	0	0.00%	19	0.03%	1,052	1.71%	213	0.35%
2007	10	0.01%	10	0.01%	0	0.00%	0	0.00%	8	0.01%	2	0.00%
2008	4	0.01%	4	0.01%	0	0.00%	0	0.00%	3	0.00%	1	0.00%
Total	69,107	100.00%	61,462	88.94%	906	1.47%	2,010	3.27%	52,370	85.21%	6,176	10.05%

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Initial Test Readiness Failures (Non-Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1996	18,778	8.89%	10,800	5.12%	6,070	2.87%	1,456	0.69%	452	0.21%
1997	27,755	13.15%	15,062	7.13%	9,469	4.48%	2,484	1.18%	740	0.35%
1998	23,885	11.31%	12,428	5.89%	7,935	3.76%	2,992	1.42%	530	0.25%
1999	29,596	14.02%	14,687	6.96%	7,728	3.66%	6,095	2.89%	1,086	0.51%
2000	24,027	11.38%	12,802	6.06%	6,427	3.04%	4,040	1.91%	758	0.36%
2001	32,205	15.25%	15,202	7.20%	8,903	4.22%	6,913	3.27%	1,187	0.56%
2002	13,835	6.55%	7,216	3.42%	3,719	1.76%	2,447	1.16%	453	0.21%
2003	18,799	8.90%	9,330	4.42%	5,066	2.40%	3,506	1.66%	897	0.42%
2004	7,073	3.35%	3,759	1.78%	1,460	0.69%	1,510	0.72%	344	0.16%
2005	11,444	5.42%	6,024	2.85%	2,921	1.38%	1,916	0.91%	583	0.28%
2006	1,794	0.85%	986	0.47%	457	0.22%	276	0.13%	75	0.04%
2007	1,121	0.53%	663	0.31%	272	0.13%	149	0.07%	37	0.02%
2008	386	0.18%	235	0.11%	68	0.03%	78	0.04%	5	0.00%
2009	140	0.07%	106	0.05%	17	0.01%	14	0.01%	3	0.00%
2010	186	0.09%	127	0.06%	25	0.01%	31	0.01%	3	0.00%
2011	101	0.05%	59	0.03%	13	0.01%	18	0.01%	11	0.01%
2012	11	0.01%	5	0.00%	2	0.00%	1	0.00%	3	0.00%
Total	211,136	100.00%	109,491	51.86%	60,552	28.68%	33,926	16.07%	7,167	3.39%

Bureau of Automotive Repair

A-06 EPA Report 51.366 a.2.xxiii

Initial Test Readiness Failures (Diesel)

Year:2011

	All Vehicles		Passenger Cars		Light Duty Trucks		Medium Duty Trucks		Heavy Duty Trucks	
Vehicle Model Year	Count	Percent	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles	Count	Percent of All Vehicles
1999	3	16.67%	0	0.00%	0	0.00%	1	5.56%	2	11.11%
2001	1	5.56%	0	0.00%	0	0.00%	1	5.56%	0	0.00%
2004	9	50.00%	6	33.33%	0	0.00%	1	5.56%	2	11.11%
2005	5	27.78%	4	22.22%	0	0.00%	0	0.00%	1	5.56%
Total	18	100.00%	10	55.56%	0	0.00%	3	16.67%	5	27.78%

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A-06 EPA Report 51.366 a.3

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

Year:2011

		Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
Vehicle Model Year	All Vehicle Count	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
1931	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1937	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1952	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1958	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%
1969	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1973	4	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	0.00%	0	0.00%	0	0.00%
1974	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1975	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1976	11,366	0	0.00%	1,115	0.01%	7	0.00%	0	0.00%	36	0.00%	2,360	0.02%	7,848	0.07%
1977	15,647	0	0.00%	1,510	0.01%	4	0.00%	0	0.00%	45	0.00%	3,353	0.03%	10,735	0.10%
1978	17,834	0	0.00%	1,732	0.02%	9	0.00%	0	0.00%	41	0.00%	3,695	0.03%	12,357	0.12%
1979	19,716	0	0.00%	1,929	0.02%	19	0.00%	0	0.00%	44	0.00%	4,004	0.04%	13,720	0.13%
1980	11,871	0	0.00%	1,066	0.01%	8	0.00%	0	0.00%	41	0.00%	2,341	0.02%	8,415	0.08%
1981	13,583	0	0.00%	1,209	0.01%	17	0.00%	0	0.00%	42	0.00%	2,602	0.02%	9,713	0.09%
1982	15,686	0	0.00%	1,428	0.01%	21	0.00%	0	0.00%	34	0.00%	2,967	0.03%	11,236	0.11%
1983	20,906	0	0.00%	2,012	0.02%	27	0.00%	0	0.00%	39	0.00%	3,904	0.04%	14,924	0.14%
1984	37,758	0	0.00%	3,632	0.03%	23	0.00%	0	0.00%	60	0.00%	7,246	0.07%	26,797	0.25%
1985	50,833	0	0.00%	4,645	0.04%	56	0.00%	0	0.00%	75	0.00%	9,381	0.09%	36,676	0.35%
1986	72,234	0	0.00%	6,479	0.06%	79	0.00%	0	0.00%	81	0.00%	13,418	0.13%	52,177	0.49%
1987	84,262	0	0.00%	7,608	0.07%	455	0.00%	14	0.00%	77	0.00%	14,900	0.14%	61,208	0.58%
1988	102,690	0	0.00%	8,886	0.08%	1,510	0.01%	24	0.00%	86	0.00%	18,312	0.17%	73,872	0.70%
1989	141,576	0	0.00%	12,090	0.11%	1,468	0.01%	6	0.00%	132	0.00%	24,469	0.23%	103,411	0.97%
1990	175,108	0	0.00%	14,747	0.14%	1,336	0.01%	40	0.00%	139	0.00%	30,182	0.28%	128,664	1.21%
1991	211,920	0	0.00%	17,424	0.16%	2,171	0.02%	3	0.00%	145	0.00%	35,563	0.33%	156,614	1.47%

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

Year:2011

		Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
Vehicle Model Year	All Vehicle Count	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
1992	215,274	0	0.00%	17,550	0.17%	1,791	0.02%	0	0.00%	218	0.00%	36,005	0.34%	159,710	1.50%
1993	267,107	1	0.00%	21,571	0.20%	1,664	0.02%	1	0.00%	196	0.00%	43,914	0.41%	199,760	1.88%
1994	312,719	0	0.00%	25,687	0.24%	1,302	0.01%	2	0.00%	212	0.00%	53,152	0.50%	232,364	2.19%
1995	453,244	1	0.00%	37,454	0.35%	515	0.00%	0	0.00%	268	0.00%	76,218	0.72%	338,788	3.19%
1996	341,601	2	0.00%	28,041	0.26%	563	0.01%	0	0.00%	300	0.00%	61,605	0.58%	251,090	2.36%
1997	594,430	8	0.00%	50,616	0.48%	889	0.01%	22	0.00%	301	0.00%	101,109	0.95%	441,485	4.15%
1998	494,646	2	0.00%	40,708	0.38%	1,480	0.01%	5	0.00%	258	0.00%	96,039	0.90%	356,154	3.35%
1999	811,000	7	0.00%	71,373	0.67%	1,696	0.02%	7	0.00%	262	0.00%	177,220	1.67%	560,435	5.27%
2000	567,446	1	0.00%	46,651	0.44%	2,798	0.03%	2	0.00%	170	0.00%	154,817	1.46%	363,007	3.42%
2001	1,169,444	18	0.00%	101,214	0.95%	3,478	0.03%	25	0.00%	270	0.00%	316,328	2.98%	748,111	7.04%
2002	501,855	0	0.00%	40,348	0.38%	2,511	0.02%	2	0.00%	149	0.00%	165,520	1.56%	293,325	2.76%
2003	1,321,984	10	0.00%	108,951	1.03%	3,173	0.03%	131	0.00%	274	0.00%	421,312	3.96%	788,133	7.42%
2004	426,812	2	0.00%	32,889	0.31%	2,232	0.02%	30	0.00%	119	0.00%	164,877	1.55%	226,663	2.13%
2005	1,451,163	11	0.00%	115,622	1.09%	2,806	0.03%	227	0.00%	268	0.00%	525,492	4.94%	806,737	7.59%
2006	254,618	7	0.00%	17,810	0.17%	259	0.00%	1	0.00%	85	0.00%	125,124	1.18%	111,332	1.05%
2007	206,509	0	0.00%	12,303	0.12%	99	0.00%	19	0.00%	66	0.00%	123,354	1.16%	70,668	0.66%
2008	93,545	0	0.00%	4,986	0.05%	64	0.00%	1	0.00%	51	0.00%	60,476	0.57%	27,967	0.26%
2009	43,903	0	0.00%	2,275	0.02%	33	0.00%	0	0.00%	57	0.00%	27,979	0.26%	13,559	0.13%
2010	66,348	0	0.00%	3,561	0.03%	56	0.00%	0	0.00%	100	0.00%	45,410	0.43%	17,221	0.16%
2011	28,761	0	0.00%	2,629	0.02%	63	0.00%	0	0.00%	259	0.00%	16,636	0.16%	9,174	0.09%
2012	2,139	0	0.00%	272	0.00%	19	0.00%	0	0.00%	5	0.00%	935	0.01%	908	0.01%
2013	2	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%
Total	10,627,557	70	0.00%	870,023	8.19%	34,702	0.33%	562	0.01%	5,022	0.05%	2,972,219	27.97%	6,744,959	63.47%

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Initial Tests by Model Year and Station Type (Diesel)

Year:2011

		Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
Vehicle Model Year	All Vehicle Count	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
1979	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1981	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1982	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	3	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	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	5	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5	0.00%	0	0.00%	0	0.00%
1989	3	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3	0.00%	0	0.00%	0	0.00%
1990	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	0.00%	0	0.00%	0	0.00%
1992	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1995	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1996	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2	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	2,800	0	0.00%	330	0.22%	12	0.01%	0	0.00%	15	0.01%	1,181	0.79%	1,262	0.85%
1999	8,753	0	0.00%	1,050	0.70%	36	0.02%	0	0.00%	21	0.01%	3,765	2.53%	3,881	2.60%
2000	8,251	0	0.00%	1,005	0.67%	32	0.02%	0	0.00%	13	0.01%	3,588	2.41%	3,613	2.42%
2001	11,520	0	0.00%	1,309	0.88%	68	0.05%	0	0.00%	13	0.01%	5,079	3.41%	5,051	3.39%
2002	12,302	0	0.00%	1,372	0.92%	49	0.03%	0	0.00%	19	0.01%	5,442	3.65%	5,420	3.64%
2003	15,310	1	0.00%	1,704	1.14%	97	0.07%	0	0.00%	16	0.01%	6,740	4.52%	6,752	4.53%
2004	16,617	0	0.00%	1,717	1.15%	38	0.03%	0	0.00%	20	0.01%	7,353	4.93%	7,489	5.02%
2005	18,637	0	0.00%	1,938	1.30%	65	0.04%	3	0.00%	13	0.01%	8,133	5.46%	8,485	5.69%
2006	22,091	0	0.00%	2,349	1.58%	86	0.06%	2	0.00%	11	0.01%	9,895	6.64%	9,748	6.54%
2007	11,186	0	0.00%	1,224	0.82%	80	0.05%	0	0.00%	9	0.01%	5,002	3.36%	4,871	3.27%
2008	12,056	0	0.00%	1,226	0.82%	141	0.09%	0	0.00%	6	0.00%	5,890	3.95%	4,793	3.22%
2009	5,310	0	0.00%	454	0.30%	32	0.02%	0	0.00%	2	0.00%	2,460	1.65%	2,362	1.58%
2010	2,383	0	0.00%	196	0.13%	10	0.01%	0	0.00%	0	0.00%	1,154	0.77%	1,023	0.69%
2011	1,644	0	0.00%	224	0.15%	1	0.00%	0	0.00%	0	0.00%	829	0.56%	590	0.40%

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Initial Tests by Model Year and Station Type (Diesel)

Year:2011

		Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
Vehicle Model Year	All Vehicle Count	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
2012	151	0	0.00%	39	0.03%	0	0.00%	0	0.00%	0	0.00%	57	0.04%	55	0.04%
Total	149,040	1	0.00%	16,137	10.83%	747	0.50%	5	0.00%	187	0.13%	66,568	44.66%	65,395	43.88%

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

Year:2011

		Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
Vehicle Model Year	All Vehicle Count	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
1969	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1973	4	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	0.00%	0	0.00%	0	0.00%
1975	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.00%	0	0.00%	0	0.00%
1976	3,053	0	0.00%	426	0.03%	2	0.00%	0	0.00%	26	0.00%	593	0.05%	2,006	0.16%
1977	4,281	0	0.00%	564	0.04%	1	0.00%	0	0.00%	30	0.00%	857	0.07%	2,829	0.22%
1978	4,842	0	0.00%	645	0.05%	1	0.00%	0	0.00%	31	0.00%	924	0.07%	3,241	0.25%
1979	5,914	0	0.00%	791	0.06%	3	0.00%	0	0.00%	38	0.00%	1,082	0.08%	4,000	0.31%
1980	3,159	0	0.00%	410	0.03%	1	0.00%	0	0.00%	25	0.00%	578	0.05%	2,145	0.17%
1981	4,095	0	0.00%	502	0.04%	3	0.00%	0	0.00%	37	0.00%	659	0.05%	2,894	0.23%
1982	4,710	0	0.00%	594	0.05%	7	0.00%	0	0.00%	28	0.00%	791	0.06%	3,290	0.26%
1983	6,460	0	0.00%	836	0.07%	5	0.00%	0	0.00%	28	0.00%	1,043	0.08%	4,548	0.36%
1984	12,066	0	0.00%	1,589	0.12%	5	0.00%	0	0.00%	42	0.00%	1,991	0.16%	8,439	0.66%
1985	16,013	0	0.00%	1,913	0.15%	21	0.00%	0	0.00%	54	0.00%	2,468	0.19%	11,557	0.90%
1986	21,018	0	0.00%	2,470	0.19%	15	0.00%	0	0.00%	49	0.00%	3,395	0.27%	15,089	1.18%
1987	25,642	0	0.00%	3,021	0.24%	57	0.00%	0	0.00%	49	0.00%	3,762	0.29%	18,753	1.47%
1988	29,295	0	0.00%	3,284	0.26%	162	0.01%	0	0.00%	56	0.00%	4,379	0.34%	21,414	1.67%
1989	38,080	0	0.00%	4,017	0.31%	143	0.01%	0	0.00%	91	0.01%	5,476	0.43%	28,353	2.22%
1990	45,977	0	0.00%	4,801	0.38%	123	0.01%	1	0.00%	98	0.01%	6,498	0.51%	34,456	2.69%
1991	54,167	0	0.00%	5,458	0.43%	240	0.02%	0	0.00%	94	0.01%	7,383	0.58%	40,992	3.20%
1992	53,351	0	0.00%	5,385	0.42%	186	0.01%	0	0.00%	136	0.01%	7,229	0.56%	40,415	3.16%
1993	70,605	0	0.00%	6,819	0.53%	403	0.03%	0	0.00%	129	0.01%	9,244	0.72%	54,010	4.22%
1994	75,366	0	0.00%	7,495	0.59%	233	0.02%	0	0.00%	135	0.01%	10,335	0.81%	57,168	4.47%
1995	94,453	0	0.00%	9,537	0.75%	73	0.01%	0	0.00%	175	0.01%	12,811	1.00%	71,857	5.62%
1996	65,586	0	0.00%	6,871	0.54%	45	0.00%	0	0.00%	177	0.01%	10,203	0.80%	48,290	3.77%
1997	90,642	0	0.00%	9,779	0.76%	80	0.01%	3	0.00%	163	0.01%	13,003	1.02%	67,614	5.28%
1998	69,721	0	0.00%	7,134	0.56%	86	0.01%	1	0.00%	110	0.01%	11,092	0.87%	51,298	4.01%
1999	81,016	0	0.00%	8,843	0.69%	83	0.01%	0	0.00%	98	0.01%	13,829	1.08%	58,163	4.55%

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

Year:2011

		Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
Vehicle Model Year	All Vehicle Count	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
2000	61,601	0	0.00%	6,491	0.51%	130	0.01%	0	0.00%	82	0.01%	13,713	1.07%	41,185	3.22%
2001	117,199	1	0.00%	12,472	0.97%	247	0.02%	0	0.00%	85	0.01%	25,073	1.96%	79,321	6.20%
2002	47,813	0	0.00%	4,806	0.38%	154	0.01%	0	0.00%	56	0.00%	13,458	1.05%	29,339	2.29%
2003	80,003	0	0.00%	8,325	0.65%	226	0.02%	8	0.00%	85	0.01%	20,581	1.61%	50,778	3.97%
2004	24,612	0	0.00%	2,329	0.18%	101	0.01%	4	0.00%	36	0.00%	8,518	0.67%	13,624	1.06%
2005	53,183	0	0.00%	5,294	0.41%	132	0.01%	25	0.00%	61	0.00%	17,771	1.39%	29,900	2.34%
2006	7,440	2	0.00%	671	0.05%	14	0.00%	0	0.00%	31	0.00%	3,543	0.28%	3,179	0.25%
2007	4,567	0	0.00%	343	0.03%	11	0.00%	0	0.00%	21	0.00%	2,657	0.21%	1,535	0.12%
2008	1,739	0	0.00%	131	0.01%	0	0.00%	1	0.00%	13	0.00%	1,135	0.09%	459	0.04%
2009	672	0	0.00%	45	0.00%	3	0.00%	0	0.00%	13	0.00%	451	0.04%	160	0.01%
2010	806	0	0.00%	57	0.00%	4	0.00%	0	0.00%	21	0.00%	537	0.04%	187	0.01%
2011	385	0	0.00%	41	0.00%	1	0.00%	0	0.00%	41	0.00%	216	0.02%	86	0.01%
2012	38	0	0.00%	2	0.00%	2	0.00%	0	0.00%	0	0.00%	20	0.00%	14	0.00%
Total	1,279,576	3	0.00%	134,191	10.49%	3,003	0.23%	43	0.00%	2,450	0.19%	237,298	18.55%	902,588	70.54%

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A-06 EPA Report 51.366 a.4

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

Year:2011

		Business Fleet		Gold Shield		Government Fleet		Permanent Fleet Registered		Referee		Regular Test and Repair		Test Only	
Vehicle Model Year	All Vehicle Count	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
1982	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1985	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1986	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1989	1	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1998	392	0	0.00%	56	0.79%	0	0.00%	0	0.00%	6	0.08%	139	1.95%	191	2.68%
1999	920	0	0.00%	124	1.74%	2	0.03%	0	0.00%	8	0.11%	353	4.95%	433	6.07%
2000	525	0	0.00%	79	1.11%	0	0.00%	0	0.00%	6	0.08%	190	2.67%	250	3.51%
2001	826	0	0.00%	106	1.49%	3	0.04%	0	0.00%	5	0.07%	327	4.59%	385	5.40%
2002	925	0	0.00%	121	1.70%	2	0.03%	0	0.00%	3	0.04%	395	5.54%	404	5.67%
2003	1,233	0	0.00%	170	2.38%	5	0.07%	0	0.00%	9	0.13%	464	6.51%	585	8.21%
2004	746	0	0.00%	92	1.29%	5	0.07%	0	0.00%	5	0.07%	313	4.39%	331	4.64%
2005	728	0	0.00%	103	1.45%	3	0.04%	2	0.03%	5	0.07%	266	3.73%	349	4.90%
2006	578	0	0.00%	84	1.18%	3	0.04%	0	0.00%	3	0.04%	225	3.16%	263	3.69%
2007	156	0	0.00%	27	0.38%	1	0.01%	0	0.00%	1	0.01%	52	0.73%	75	1.05%
2008	66	0	0.00%	16	0.22%	0	0.00%	0	0.00%	0	0.00%	24	0.34%	26	0.36%
2009	21	0	0.00%	2	0.03%	0	0.00%	0	0.00%	0	0.00%	6	0.08%	13	0.18%
2010	6	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	4	0.06%	2	0.03%
2011	2	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1	0.01%
Total	7,128	0	0.00%	980	13.75%	24	0.34%	2	0.03%	55	0.77%	2,759	38.71%	3,308	46.41%

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Calendar Year 2011

I/M Rule Section 51.366 Data Analysis and Reporting

(b) Quality assurance report

(c) Quality control report

Smog Check License Information

Licensed Smog Check Stations as of 12/31/2011	7,218
Smog Check Station Licenses Issued in 2011	937
Licensed Smog Check Technicians as of 12/31/2011	15,397

Inspections Overt

Initial Inspections	1,148
Quality Assurance (QA) Inspections	264
Consumer Assistance Program (CAP) Inspections	166
Equipment Audit Inspections	7,218
Other Inspections (used car lot inspections included in total)	2,093
Total Inspections	**10,889**

Undercover Run Data Covert

Undercover Runs Conducted	1,295
Positive Undercover Runs	596
Percentage of Positive Runs	46%
Smog Check Stations Receiving U/C Runs	1,026

Citations Issued

Station Citations	644
Station Citation Fines	$805,500
Technician Citations	651
Technician Training Hours Required	9,356

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(b) Quality assurance report

(c) Quality control report

Administrative Disciplinary Filings

Hearings	37
Stipulation Settlement	74
Default Decision	30
Total Cases Adjudicated	**141**
Licenses Revoked	107
ISO/PC 23 Filings	33
Probation Ordered	20
Probation/Suspension Ordered	16
Total Licenses Disciplined*	**143**

** 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	85
Stations Audited	73
Stations Failing Gas Audit	14 (19%)
Stations Locked Out due to Gas Audit	6 (8%)
Stations given "7 day notice" to correct	34 (47%)

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

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Tamper Audits

Total Tamper Audits	6907
Emissions Inspection Systems (EIS) Audited	6592
Emissions Inspection Systems (EIS) Failed	4293 (65%)
Stations Audited	6221
Stations Failed	4117 (66%)
EIS Failing but Fixed Immediately	758 (11%)
EIS Locked Out due to Tamper	485 (7%)
EIS given "7 day notice" to correct	3112 (47%)

Dynamometer Audits

Total Dyne Audits	226
Dynamometers Audited	177
Dynamometers Failed	36 (20%)
Stations Audited	160
Stations Failed	36 (23%)

Resources for Undercover Audits

Vehicles Available for Undercover Audits (I/M Related)	195
Auditors Available for Undercover Audits	223

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 analyzer gas audits, analyzer tamper audits, and dynamometer 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 wrongdoing 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 only. In 2012, regulations were adopted to increase the monetary penalty amount and authorize assessment of monetary penalties against technicians.

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, an ISO (Interim Suspension Order) and PC 23 (Penal Code Section 23) are filed when violations are egregious and/or severely threaten public safety, to immediately suspend licenses and registrations pending completion of the investigation.

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 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 staffs, classified as Program Representatives are assigned to perform overt audits, covert audits, complaint mediation, and investigations, among other duties.

DEPARTMENT OF CONSUMER AFFAIRS

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Smog Related Legislation
Business and Professions / Vehicle Code
Changes Made 2010 - 2011

Code	Section	Total Changes	Add	Amend	Repeal	Year	Bill Number	Changes Made 2010 - 2011
B & P	9884.76		x			2011	SB 869	http://www.leginfo.ca.gov/pub/11-12/bill/sen/sb_0851-0900/sb_869_bill_20111002_chaptered.pdf
		1	1	0	0			
VC	9250			x		2011	SB 89	http://www.leginfo.ca.gov/pub/11-12/bill/sen/sb_0051-0100/sb_89_bill_20110630_chaptered.pdf
		1	0	1	0			

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Smog Check Regulations
Changes Made 2010-2011

OAL Reg. Action #	Subject	Sections Affected	History
2010-0216-03S	Repair Assistance Co-Payment Modifications	**Amend:** §§ 3394.3, 3394.4, 3394.6, and 3394.7	**3/31/2012** Rulemaking file approved by the Office of Administrative Law, filed with the Secretary of State. **Effective 4/30/2012**
2011-1219-03S	Smog Check Licensing Restructure	**Amend:** §§ 3306, 3340.10, 3340.15, 3340.16.4, 3340.16.5, 3340.17, 3340.22, 3340.22.1, 3340.23, 3340.28 - 3340.31 and 3340.51.1	**2/2/2012** Rulemaking file approved by the Office of Administrative Law, filed with the Secretary of State. **Effective upon filing.**
2011-1122-03S	Vehicle Registration Amnesty Program	**Adopt:** § 3340.38	**1/6/2012** Rulemaking file approved by the Office of Administrative Law, filed with the Secretary of State. **Effective upon filing**
2011-0920-06S	STAR Program	**Amend:** §§ 3340.1, 3340.16, 3340.16.5, 3340.41 and 3392.1 et. seq.	**11/1/2011** Rulemaking File approved by the Office of Administrative Law, filed with the Secretary of State. **Effective upon filing**
2011-0819-01S	Administrative Citations and Fine for Unlicensed Activity	**Adopt:** § 3394.40 et. seq.	**9/27/2011** Rulemaking File approved by the Office of Administrative Law, filed with the Secretary of State. **Effective 10/25/2011**

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