WEBER-MORGAN HEALTH DEPARTMENT

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July 3, 2013

Greg Davis
EPA Region 8 Mobile Sources Program Manager
Mailcode: 8P-AR
1595 Wynkoop Street
Denver, CO 80202-1129

Mr. Davis:

Enclosed you will find Weber County's 2012 EPA Report. Please let me know if you have any questions or comments.

Sincerely,

Elaine Wendt
I/M Lead Auditor
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40 CFR Part 51 - Subpart S Inspection/Maintenance Program Requirements
51.366 - Data Analysis and Reporting Requirements

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(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:	**Weber County, UT 2012**	
(1) The number of vehicles tested by model year and vehicle type;	See Attached	
(2) By model year and vehicle type, the number and percentage of vehicles:	See Attached	
(i) Failing initially, per test type;	See Attached	
(ii) Failing the first retest per test type;	See Attached	
(iii) Passing the first retest per test type;	See Attached	
(iv) Initially failed vehicles passing the second or subsequent retest per test type;	See Attached	
(v) Initially failed vehicles receiving a waiver; and	7	
(vi) Vehicles with no known final outcome (regardless of reason). *(vii)-(x) [Reserved]*	See Attached	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(xi) Passing the on-board diagnostic check;	See Attached	
(xii) Failing the on-board diagnostic check;	See Attached	
(xiii) Failing the on-board diagnostic check and passing the tailpipe test (if applicable);	See Attached	
(xiv) Failing the on-board diagnostic check and failing the tailpipe test (if applicable);	See Attached	
(xv) Passing the on-board diagnostic check and failing the I/M gas cap evaporative system test (if applicable);	See Attached	
(xvi) Failing the on-board diagnostic check and passing the I/M gas cap evaporative system test (if applicable);	See Attached	
(xvii) Passing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	See Attached	
(xviii) Failing both the on-board diagnostic check and I/M gas cap evaporative system test (if applicable);	See Attached	
(xix) MIL is commanded on and no codes are stored;	See Attached	
(xx) MIL is not commanded on and codes are stored;	See Attached	
(xxi) MIL is commanded on and codes are stored;	See Attached	
(xxii) MIL is not commanded on and codes are not stored;	See Attached	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(xxiii) Readiness status indicates that the evaluation is not complete for any module supported by on-board diagnostic systems;	See Attached	
(3) The initial test volume by model year and test station;	See Attached	
(4) The initial test failure rate by model year and test station; and	See Attached	
(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.	Data not available	
(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:	110	
(i) Operating throughout the year; and	110	
(2) The number of inspection stations and lanes operating throughout the year:	111, one station has two lanes	
(i) Receiving overt performance audits in the year;	660 audits, 1 per station every two months	
(ii) Not receiving overt performance audits in the year;	0	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(iii) Receiving covert performance audits in the year;	104	
(iv) Not receiving covert performance audits in the year; and	6 (Fleet facilities did not have covert audits performed)	
(v) That have been shut down as a result of overt performance audits;	0	
(3) The number of covert audits:	166	
(i) Conducted with the vehicle set to fail per test type;	166	
(ii) Conducted with the vehicle set to fail any combination of two or more test types;	0	
(iii) Resulting in a false pass per test type;	57	
(iv) Resulting in a false pass for any combination of two or more test types;	0	
(4) The number of inspectors and stations:		
(i) That were suspended, fired, or otherwise prohibited from testing as a result of covert audits;	9 stations and 61 testers were suspended, revoked, or issued a formal warning letter depending on their history of violations.	
(ii) That were suspended, fired, or otherwise prohibited from testing for other causes; and	0	
(iii) That received fines;	52 testers were required to pay $25 to attend the I/M Department's retraining class, which is required after a tester if found to be in violation of the I/M Regulation.	
(5) The number of inspectors licensed or certified to conduct testing;	390	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(6) The number of hearings:	15	
(i) Held to consider adverse actions against inspectors and stations; and	14	
(ii) Resulting in adverse actions against inspectors and stations;	13 station and tester suspensions/revocations were upheld	
(7) The total amount collected in fines from inspectors and stations by type of violation;	Overt Audits – Stations $0, Testers, $0 Covert Audits – Stations, $23,698.08, Testers. $2,000.00	
(8) The total number of covert vehicles available for undercover audits over the year; and	3	
(9) The number of covert auditors available for undercover audits.	3	
(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;	111	
(2) The number of equipment audits by station and lane;	660 audits, 1 per station every two months	
(3) The number and percentage of stations that have failed equipment audits; and	8 equipment audit failures	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(4) Number and percentage of stations and lanes shut down as a result of equipment audits.	8 stations were immediately locked out of tailpipe testing, but were able to continue to perform tests on OBD vehicles.	
(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;	160,000	
(ii) The percentage of motorist compliance based upon a comparison of the number of valid final tests with the number of subject vehicles;	Not currently available	
(iii) The total number of compliance documents issued to inspection stations;	127,700	
(iv) The number of missing compliance documents;	0	
(v) The number of time extensions and other exemptions granted to motorists; and	None by the Weber-Morgan Health Dept., extensions are handled by the DMV	
(vi) The number of compliance surveys conducted, number of vehicles surveyed in each, and the compliance rates found.	N/A	
(2) Registration denial based enforcement programs shall provide the following additional information:	N/A	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(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	Weber County is currently working with the Utah State Tax Commission and the other I/M counties in Utah to develop a tracking mechanism.	
(ii) The number of registration file audits, number of registrations reviewed, and compliance rates found in such audits.	N/A	
(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	

Reporting Requirement	Reviewer Comments / Location in State Report	Has the State Met the Requirement?
(ii) A report on the program's efforts to detect and enforce against motorists falsely changing vehicle classifications to circumvent program requirements, and the frequency of this type of activity; and	N/A	
(iii) The number of parking lot sticker audits conducted, the number of vehicles surveyed in each, and the noncompliance rate found during those audits.	N/A	
(e) Additional reporting requirements. In addition to the annual reports in paragraphs (a) through (d) of this section, programs shall submit to EPA by July of every other year, biennial reports addressing:		
(1) Any changes made in program design, funding, personnel levels, procedures, regulations, and legal authority, with detailed discussion and evaluation of the impact on the program of all such changes; and		
(2) Any weaknesses or problems identified in the program within the two-year reporting period, what steps have already been taken to correct those problems, the results of those steps, and any future efforts planned.	We are still trying to track vehicles with no known outcome. We have been working with the Utah State Tax Commission, Weber State University and other I/M Counties in Utah to develop a tracking mechanism.	

EPA Summary Report

Report data for starting from 1/1/2012 through 12/31/2012

127965 (1) The number of vehicles tested by model year and vehicle type

Total Vehicles Tested

127965 Vehicles Tested	Sub Totals	% of Total Vehicle Tested	Program
	101773	% 79.53	OBD
	26226	% 20.49	TSI
	0	% 0	Diesel
	17	% 0.01	Other

12346 (2i) Failing Initially per test type

% 9.65 of Failing Initially

Subtotals	%	Program
7315	% 7.19	OBD
5031	% 19.18	TSI
0	% 0	Diesel
0	% 0	Other

1695 (2ii) Failing the first retest per test type

% 13.73 of Failing Initially

Subtotals	%	Program
623	% 8.52	OBD
1072	% 21.31	TSI
0	% 0	Diesel
0	% 0	Other

3285 (2xv) Passing the OBD check and failing the I/M gas cap test

% 3.23 of Total OBD Vehicles Tested

4709 (2xvi) Failing the OBD check and passing the gas cap test

% 4.63 of Total OBD Vehicles Tested

39982 (2xvii) Passing both the OBD check and the gas cap test

% 39.29 of Total OBD Vehicles Tested

9871 (2iii) Passing the first retest per test type

% 79.95 of Failing Initially

Subtotals	%	Program
6203	% 84.80	OBD
3668	% 72.91	TSI
0	% 0	Diesel
0	% 0	Other

1395 (2iv) Initially failed vehicles passing the

% 11.30 of Failing Initially

Subtotals	%	Program
555	% 7.59	OBD
840	% 16.70	TSI
0	% 0	Diesel
0	% 0	Other

494 (2xviii) Failing both the OBD check and the gas cap test

% 0.49 of Total OBD Vehicles Tested

10477 (2xix) MIL On and No DTCS stored

% 10.29 of Total OBD Vehicles Tested

8446 (2xx) MIL Off and DTCS stored

% 8.30 of Total OBD Vehicles Tested

1395 (2vi) Vehicles with no known final outcome

% 11.30 of Failing Initially

Subtotals	%	Program
674	% 9.21	OBD
721	% 14.33	TSI
0	% 0	Diesel
0	% 0	Other

104290 (2xi) Passing the OBD test

% 102.47 of Total OBD Vehicles Tested

8180 (2xii) Failing the On-Board Diagnostic check

% 8.04 of Total OBD Vehicles Tested

3910 (2xxi) MIL On and DTCS stored

% 3.84 of Total OBD Vehicles Tested

96065 (2xxii) MIL Off and No DTCS stored

% 94.39 of Total OBD Vehicles Tested

6141 (2xxiii) Not Ready for the OBD test

% 6.03 of Total OBD Vehicles Tested

1. Vehicles Tested

Report data for starting from 1/1/2012 through 12/31/2012

Model Year	Passenger Car	Light Duty Truck	Heavy Duty Truck	TOTAL
1968	41	28	1	70
1969	34	27	0	61
1970	22	45	0	67
1971	19	62	2	83
1972	24	86	3	113
1973	40	57	7	104
1974	23	37	1	61
1975	13	52	6	71
1976	36	69	11	116
1977	48	89	18	155
1978	58	118	29	205
1979	63	104	17	184
1980	29	56	8	93
1981	39	64	10	113
1982	40	73	15	128
1983	50	99	16	165
1984	106	184	30	320
1985	151	252	26	429
1986	216	308	31	555
1987	218	307	29	554
1988	329	457	35	821
1989	453	632	27	1112
1990	698	698	36	1432
1991	879	763	21	1663
1992	1069	957	35	2061
1993	1323	1244	38	2605
1994	1743	1780	62	3585
1995	2324	1950	49	4323
1996	2553	1843	32	4428
1997	3264	2611	39	5914
1998	3695	2661	26	6382
1999	4196	3257	55	7508

2000	4877	3503	47	8427
2001	4990	3542	26	8558
2002	5213	3730	33	8976
2003	5531	3786	29	9346
2004	5416	4006	27	9449
2005	5898	3988	24	9910
2006	5814	3863	33	9710
2007	682	646	19	1347
2008	4748	3254	23	8025
2009	531	361	3	895
2010	3145	2386	5	5536
2011	568	495	6	1069
2012	943	279	0	1222
2013	12	2	0	14
TOTAL	72164	54811	990	127965

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2i. Vehicles Failing Initially

Report data for test type: ALL starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed
1968	41	8	19.51	28	8	28.57	1	0	0	70	16	22.86
1969	34	8	23.53	27	7	25.93	0	0	0	61	15	24.59
1970	22	3	13.64	45	11	24.44	0	0	0	67	14	20.90
1971	19	8	42.11	62	15	24.19	2	2	100	83	25	30.12
1972	24	3	12.50	86	17	19.77	3	0	0	113	20	17.70
1973	40	13	32.50	57	8	14.04	7	0	0	104	21	20.19
1974	23	9	39.13	37	11	29.73	1	0	0	61	20	32.79
1975	13	6	46.15	52	13	25.00	6	1	16.67	71	20	28.17
1976	36	5	13.89	69	18	26.09	11	2	18.18	116	25	21.55
1977	48	11	22.92	89	22	24.72	18	5	27.78	155	38	24.52
1978	57	16	28.07	119	21	17.65	29	7	24.14	205	44	21.46
1979	63	13	20.63	104	36	34.62	17	5	29.41	184	54	29.35
1980	29	8	27.59	56	12	21.43	8	0	0	93	20	21.51
1981	39	13	33.33	64	25	39.06	10	2	20.0	113	40	35.40
1982	40	10	25.00	73	24	32.88	15	2	13.33	128	36	28.13
1983	50	10	20.0	99	33	33.33	16	3	18.75	165	46	27.88
1984	106	37	34.91	184	86	46.74	30	9	30.0	320	132	41.25
1985	151	40	26.49	252	113	44.84	26	10	38.46	429	163	38.00
1986	216	55	25.46	308	140	45.45	31	12	38.71	555	207	37.30
1987	217	60	27.65	308	98	31.82	29	7	24.14	554	165	29.78
1988	328	76	23.17	458	128	27.95	35	13	37.14	821	217	26.43

1989	454	97	21.37	631	167	26.47	27	5	18.52	1112	269	24.19
1990	697	140	20.09	699	172	24.61	36	6	16.67	1432	318	22.21
1991	878	176	20.05	764	173	22.64	21	3	14.29	1663	352	21.17
1992	1069	204	19.08	957	218	22.78	35	10	28.57	2061	432	20.96
1993	1322	237	17.93	1245	243	19.52	38	7	18.42	2605	487	18.69
1994	1743	294	16.87	1779	395	22.20	63	6	9.52	3585	695	19.39
1995	2320	379	16.34	1953	401	20.53	49	10	20.41	4322	790	18.28
1996	2556	435	17.02	1840	389	21.14	32	7	21.88	4428	831	18.77
1997	3261	505	15.49	2613	555	21.24	40	10	25.00	5914	1070	18.09
1998	3696	537	14.53	2661	455	17.10	26	2	7.69	6383	994	15.57
1999	4193	553	13.19	3260	377	11.56	55	9	16.36	7508	939	12.51
2000	4878	613	12.57	3502	417	11.91	47	4	8.51	8427	1034	12.27
2001	4986	588	11.79	3546	442	12.46	26	6	23.08	8558	1036	12.11
2002	5207	218	4.19	3735	145	3.88	33	1	3.03	8975	364	4.06
2003	5528	224	4.05	3788	146	3.85	30	1	3.33	9346	371	3.97
2004	5408	184	3.40	4015	115	2.86	27	0	0	9450	299	3.16
2005	5902	182	3.08	3984	141	3.54	24	0	0	9910	323	3.26
2006	5809	159	2.74	3867	94	2.43	34	0	0	9710	253	2.61
2007	682	9	1.32	646	10	1.55	19	0	0	1347	19	1.41
2008	4749	62	1.31	3253	29	0.89	23	0	0	8025	91	1.13
2009	532	2	0.38	360	1	0.28	3	0	0	895	3	0.34
2010	3146	13	0.41	2385	14	0.59	5	0	0	5536	27	0.49
2011	568	0	0	495	1	0.20	6	0	0	1069	1	0.09
2012	942	8	0.85	280	2	0.71	0	0	0	1222	10	0.82
2013	12	0	0	2	0	0	0	0	0	14	0	0
TOTAL	72134	6231	8.64	54837	5948	10.85	994	167	16.80	127965	12346	9.65

2ii. Vehicles Failing First Retest Test by Type

Report data for test type : ALL starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed
1968	8	1	12.50	8	1	12.50	0	0	0	16	2	12.50
1969	8	4	50.0	7	1	14.29	0	0	0	15	5	33.33
1970	3	1	33.33	11	4	36.36	0	0	0	14	5	35.71
1971	8	1	12.50	15	2	13.33	2	0	0	25	3	12.00
1972	3	2	66.67	17	7	41.18	0	0	0	20	9	45.00
1973	13	4	30.77	8	2	25.00	0	0	0	21	6	28.57
1974	9	4	44.44	11	2	18.18	0	0	0	20	6	30.0
1975	6	4	66.67	13	3	23.08	1	0	0	20	7	35.00
1976	5	3	60.0	18	6	33.33	2	0	0	25	9	36.00
1977	11	4	36.36	22	4	18.18	5	2	40.0	38	10	26.32
1978	16	4	25.00	21	4	19.05	7	1	14.29	44	9	20.45
1979	13	9	69.23	36	16	44.44	5	3	60.0	54	28	51.85
1980	8	1	12.50	12	5	41.67	0	0	0	20	6	30.0
1981	13	9	69.23	25	7	28.00	2	1	50.0	40	17	42.50
1982	10	3	30.0	24	9	37.50	2	1	50.0	36	13	36.11
1983	10	4	40.0	33	8	24.24	3	0	0	46	12	26.09
1984	37	15	40.54	86	27	31.40	9	3	33.33	132	45	34.09
1985	40	11	27.50	113	34	30.09	10	0	0	163	45	27.61
1986	55	16	29.09	140	43	30.71	12	4	33.33	207	63	30.43
1987	60	22	36.67	98	30	30.61	7	0	0	165	52	31.52
1988	76	17	22.37	128	29	22.66	13	1	7.69	217	47	21.66

1989	97	21	21.65	167	38	22.75	5	0	0	269	59	21.93
1990	140	35	25.00	172	32	18.60	6	0	0	318	67	21.07
1991	176	38	21.59	173	33	19.08	3	0	0	352	71	20.17
1992	204	50	24.51	218	35	16.06	10	1	10.0	432	86	19.91
1993	237	76	32.07	243	39	16.05	7	0	0	487	115	23.61
1994	294	50	17.01	395	84	21.27	6	0	0	695	134	19.28
1995	379	65	17.15	401	58	14.46	10	1	10.0	790	124	15.70
1996	435	39	8.97	389	40	10.28	7	0	0	831	79	9.51
1997	505	37	7.33	555	47	8.47	10	0	0	1070	84	7.85
1998	537	47	8.75	455	63	13.85	2	0	0	994	110	11.07
1999	553	43	7.78	377	21	5.57	9	1	11.11	939	65	6.92
2000	613	59	9.62	417	20	4.80	4	0	0	1034	79	7.64
2001	588	37	6.29	442	35	7.92	6	0	0	1036	72	6.95
2002	218	17	7.80	145	8	5.52	1	0	0	364	25	6.87
2003	224	22	9.82	146	9	6.16	1	0	0	371	31	8.36
2004	184	18	9.78	115	6	5.22	0	0	0	299	24	8.03
2005	182	9	4.95	141	23	16.31	0	0	0	323	32	9.91
2006	159	11	6.92	94	11	11.70	0	0	0	253	22	8.70
2007	9	2	22.22	10	0	0	0	0	0	19	2	10.53
2008	62	8	12.90	29	1	3.45	0	0	0	91	9	9.89
2009	2	1	50.0	1	0	0	0	0	0	3	1	33.33
2010	13	3	23.08	14	1	7.14	0	0	0	27	4	14.81
2011	0	0	0	1	0	0	0	0	0	1	0	0
2012	8	1	12.50	2	0	0	0	0	0	10	1	10.0
2013	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6231	828	13.29	5948	848	14.26	167	19	11.38	12346	1695	13.73

EPA_2(iii) Vehicles Passing First Retest Test by Type

Report data for test type: ALL starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed
1968	8	4	50.0	8	7	87.50	0	0	0	16	11	68.75
1969	8	2	25.00	7	3	42.86	0	0	0	15	5	33.33
1970	3	2	66.67	11	8	72.73	0	0	0	14	10	71.43
1971	8	5	62.50	15	9	60.0	2	2	100	25	16	64.00
1972	3	1	33.33	17	8	47.06	0	0	0	20	9	45.00
1973	13	7	53.85	8	5	62.50	0	0	0	21	12	57.14
1974	9	4	44.44	11	7	63.64	0	0	0	20	11	55.00
1975	6	2	33.33	13	7	53.85	1	1	100	20	10	50.0
1976	5	1	20.0	18	7	38.89	2	2	100	25	10	40.0
1977	11	4	36.36	22	15	68.18	5	2	40.0	38	21	55.26
1978	16	10	62.50	21	12	57.14	7	5	71.43	44	27	61.36
1979	13	6	46.15	36	19	52.78	5	3	60.0	54	28	51.85
1980	8	4	50.0	12	7	58.33	0	0	0	20	11	55.00
1981	13	2	15.38	25	14	56.00	2	1	50.0	40	17	42.50
1982	10	6	60.0	24	14	58.33	2	2	100	36	22	61.11
1983	10	3	30.0	33	20	60.61	3	2	66.67	46	25	54.35
1984	37	20	54.05	86	53	61.63	9	5	55.56	132	78	59.09
1985	40	27	67.50	113	73	64.60	10	9	90.0	163	109	66.87
1986	55	36	65.45	140	90	64.29	12	8	66.67	207	134	64.73
1987	60	35	58.33	98	65	66.33	7	7	100	165	107	64.85
1988	76	50	65.79	128	84	65.63	13	11	84.62	217	145	66.82

1989	97	64	65.98	167	117	70.06	5	5	100	269	186	69.14
1990	140	93	66.43	172	129	75.00	6	5	83.33	318	227	71.38
1991	176	121	68.75	173	133	76.88	3	3	100	352	257	73.01
1992	204	140	68.63	218	173	79.36	10	8	80.0	432	321	74.31
1993	237	151	63.71	243	197	81.07	7	7	100	487	355	72.90
1994	294	231	78.57	395	297	75.19	6	5	83.33	695	533	76.69
1995	379	296	78.10	401	321	80.05	10	9	90.0	790	626	79.24
1996	435	355	81.61	389	316	81.23	7	6	85.71	831	677	81.47
1997	505	438	86.73	555	495	89.19	10	10	100	1070	943	88.13
1998	537	468	87.15	455	362	79.56	2	2	100	994	832	83.70
1999	553	468	84.63	377	343	90.98	9	8	88.89	939	819	87.22
2000	613	542	88.42	417	382	91.61	4	4	100	1034	928	89.75
2001	588	502	85.37	442	384	86.88	6	6	100	1036	892	86.10
2002	218	172	78.90	145	123	84.83	1	1	100	364	296	81.32
2003	224	186	83.04	146	126	86.30	1	1	100	371	313	84.37
2004	184	155	84.24	115	96	83.48	0	0	0	299	251	83.95
2005	182	154	84.62	141	116	82.27	0	0	0	323	270	83.59
2006	159	137	86.16	94	74	78.72	0	0	0	253	211	83.40
2007	9	5	55.56	10	9	90.0	0	0	0	19	14	73.68
2008	62	50	80.65	29	21	72.41	0	0	0	91	71	78.02
2009	2	1	50.0	1	1	100	0	0	0	3	2	66.67
2010	13	7	53.85	14	13	92.86	0	0	0	27	20	74.07
2011	0	0	0	1	1	100	0	0	0	1	1	100
2012	8	6	75.00	2	2	100	0	0	0	10	8	80.0
2013	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6231	4973	79.81	5948	4758	79.99	167	140	83.83	12346	9871	79.95

2iv. Vehicles Passing the Second or Subsequent Retest Test by Type

Report data for test type: ALL starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed
1968	8	1	12.50	8	1	12.50	0	0	0	16	2	12.50
1969	8	1	12.50	7	1	14.29	0	0	0	15	2	13.33
1970	3	0	0	11	4	36.36	0	0	0	14	4	28.57
1971	8	1	12.50	15	3	20.0	2	0	0	25	4	16.00
1972	3	0	0	17	7	41.18	0	0	0	20	7	35.00
1973	13	1	7.69	8	4	50.0	0	0	0	21	5	23.81
1974	9	2	22.22	11	3	27.27	0	0	0	20	5	25.00
1975	6	3	50.0	13	2	15.38	1	0	0	20	5	25.00
1976	5	3	60.0	18	3	16.67	2	0	0	25	6	24.00
1977	11	3	27.27	22	3	13.64	5	0	0	38	6	15.79
1978	16	2	12.50	21	6	28.57	7	0	0	44	8	18.18
1979	13	4	30.77	36	13	36.11	5	3	60.0	54	20	37.04
1980	8	1	12.50	12	4	33.33	0	0	0	20	5	25.00
1981	13	5	38.46	25	7	28.00	2	1	50.0	40	13	32.50
1982	10	1	10.0	24	4	16.67	2	1	50.0	36	6	16.67
1983	10	3	30.0	33	8	24.24	3	0	0	46	11	23.91
1984	37	7	18.92	86	21	24.42	9	3	33.33	132	31	23.48
1985	40	8	20.0	113	25	22.12	10	0	0	163	33	20.25
1986	55	8	14.55	140	36	25.71	12	3	25.00	207	47	22.71
1987	60	13	21.67	98	25	25.51	7	0	0	165	38	23.03
1988	76	18	23.68	128	26	20.31	13	1	7.69	217	45	20.74

1989	97	17	17.53	167	29	17.37	5	0	0	269	46	17.10
1990	140	24	17.14	172	25	14.53	6	0	0	318	49	15.41
1991	176	31	17.61	173	28	16.18	3	0	0	352	59	16.76
1992	204	39	19.12	218	27	12.39	10	1	10.0	432	67	15.51
1993	237	49	20.68	243	36	14.81	7	0	0	487	85	17.45
1994	294	41	13.95	395	77	19.49	6	0	0	695	118	16.98
1995	379	48	12.66	401	48	11.97	10	1	10.0	790	97	12.28
1996	435	36	8.28	389	34	8.74	7	0	0	831	70	8.42
1997	505	29	5.74	555	43	7.75	10	0	0	1070	72	6.73
1998	537	42	7.82	455	58	12.75	2	0	0	994	100	10.06
1999	553	39	7.05	377	21	5.57	9	1	11.11	939	61	6.50
2000	613	51	8.32	417	19	4.56	4	0	0	1034	70	6.77
2001	588	34	5.78	442	30	6.79	6	0	0	1036	64	6.18
2002	218	12	5.50	145	7	4.83	1	0	0	364	19	5.22
2003	224	21	9.38	146	10	6.85	1	0	0	371	31	8.36
2004	184	19	10.33	115	5	4.35	0	0	0	299	24	8.03
2005	182	8	4.40	141	19	13.48	0	0	0	323	27	8.36
2006	159	10	6.29	94	9	9.57	0	0	0	253	19	7.51
2007	9	2	22.22	10	0	0	0	0	0	19	2	10.53
2008	62	6	9.68	29	1	3.45	0	0	0	91	7	7.69
2009	2	0	0	1	0	0	0	0	0	3	0	0
2010	13	3	23.08	14	1	7.14	0	0	0	27	4	14.81
2011	0	0	0	1	0	0	0	0	0	1	0	0
2012	8	1	12.50	2	0	0	0	0	0	10	1	10.0
2013	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	6231	647	10.38	5948	733	12.32	167	15	8.98	12346	1395	11.30

2v. Vehicles Initally Failed get a Waiver

Report data for starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed	TestCount	Test Passed	% Passed
1968	41	0	0	28	0	0	1	0	0	70	0	0
1969	34	0	0	27	0	0	0	0	0	61	0	0
1970	22	0	0	45	0	0	0	0	0	67	0	0
1971	19	0	0	62	0	0	2	0	0	83	0	0
1972	24	0	0	86	0	0	3	0	0	113	0	0
1973	40	0	0	57	0	0	7	0	0	104	0	0
1974	23	0	0	37	0	0	1	0	0	61	0	0
1975	13	0	0	52	0	0	6	0	0	71	0	0
1976	36	0	0	69	0	0	11	0	0	116	0	0
1977	48	0	0	89	0	0	18	0	0	155	0	0
1978	57	0	0	119	0	0	29	0	0	205	0	0
1979	63	0	0	104	0	0	17	0	0	184	0	0
1980	29	0	0	56	0	0	8	0	0	93	0	0
1981	39	0	0	64	0	0	10	0	0	113	0	0
1982	40	0	0	73	0	0	15	0	0	128	0	0
1983	50	0	0	99	0	0	16	0	0	165	0	0
1984	106	0	0	184	0	0	30	0	0	320	0	0
1985	151	0	0	252	0	0	26	0	0	429	0	0
1986	216	0	0	308	0	0	31	0	0	555	0	0
1987	217	0	0	308	0	0	29	0	0	554	0	0
1988	328	0	0	458	0	0	35	0	0	821	0	0

1989	454	0	0	631	0	0	27	0	0	1112	0	0
1990	697	0	0	699	0	0	36	0	0	1432	0	0
1991	878	1	0.11	764	0	0	21	0	0	1663	1	0.06
1992	1069	0	0	957	0	0	35	0	0	2061	0	0
1993	1322	0	0	1245	0	0	38	0	0	2605	0	0
1994	1743	0	0	1779	0	0	63	0	0	3585	0	0
1995	2320	0	0	1953	0	0	49	0	0	4322	0	0
1996	2556	0	0	1840	0	0	32	0	0	4428	0	0
1997	3261	0	0	2613	0	0	40	0	0	5914	0	0
1998	3696	0	0	2661	0	0	26	0	0	6383	0	0
1999	4193	0	0	3260	0	0	55	0	0	7508	0	0
2000	4878	0	0	3502	0	0	47	0	0	8427	0	0
2001	4986	1	0.02	3546	0	0	26	0	0	8558	1	0.01
2002	5207	1	0.02	3735	0	0	33	0	0	8975	1	0.01
2003	5528	0	0	3788	0	0	30	0	0	9346	0	0
2004	5408	0	0	4015	0	0	27	0	0	9450	0	0
2005	5902	0	0	3984	0	0	24	0	0	9910	0	0
2006	5809	1	0.02	3867	0	0	34	0	0	9710	1	0.01
2007	682	0	0	646	0	0	19	0	0	1347	0	0
2008	4749	0	0	3253	0	0	23	0	0	8025	0	0
2009	532	0	0	360	0	0	3	0	0	895	0	0
2010	3146	0	0	2385	0	0	5	0	0	5536	0	0
2011	568	0	0	495	0	0	6	0	0	1069	0	0
2012	942	0	0	280	0	0	0	0	0	1222	0	0
2013	12	0	0	2	0	0	0	0	0	14	0	0
TOTAL	72134	4	0.01	54837	0	0	994	0	0	127965	4	0.00

2vi.EPA_Vehicles With No Known Final Outcome

Report data starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	Failed	Never Passed	% Never Passed	Failed	Never Passed	% Never Passed	Failed	Never Passed	% Never Passed	Failed	Never Passed	% Never Passed
1968	8	3	37.50	8	0	0	0	0	0	16	3	18.75
1969	8	5	62.50	7	3	42.86	0	0	0	15	8	53.33
1970	3	1	33.33	11	2	18.18	0	0	0	14	3	21.43
1971	8	2	25.00	15	5	33.33	2	0	0	25	7	28.00
1972	3	2	66.67	17	2	11.76	0	0	0	20	4	20.0
1973	13	7	53.85	8	1	12.50	0	0	0	21	8	38.10
1974	9	4	44.44	11	2	18.18	0	0	0	20	6	30.0
1975	6	3	50.0	13	5	38.46	1	0	0	20	8	40.0
1976	5	1	20.0	18	8	44.44	2	0	0	25	9	36.00
1977	11	4	36.36	22	4	18.18	5	3	60.0	38	11	28.95
1978	16	5	31.25	21	5	23.81	7	2	28.57	44	12	27.27
1979	13	7	53.85	36	6	16.67	5	0	0	54	13	24.07
1980	8	3	37.50	12	2	16.67	0	0	0	20	5	25.00
1981	13	5	38.46	25	8	32.00	2	0	0	40	13	32.50
1982	10	4	40.0	24	8	33.33	2	0	0	36	12	33.33
1983	10	4	40.0	33	9	27.27	3	1	33.33	46	14	30.43
1984	37	9	24.32	86	15	17.44	9	1	11.11	132	25	18.94
1985	40	6	15.00	113	21	18.58	10	1	10.0	163	28	17.18
1986	55	14	25.45	140	16	11.43	12	0	0	207	30	14.49
1987	60	13	21.67	98	15	15.31	7	0	0	165	28	16.97
1988	76	12	15.79	128	20	15.63	13	1	7.69	217	33	15.21

1989	97	20	20.62	167	23	13.77	5	0	0	269	43	15.99
1990	140	27	19.29	172	24	13.95	6	1	16.67	318	52	16.35
1991	176	30	17.05	173	20	11.56	3	0	0	352	50	14.20
1992	204	34	16.67	218	27	12.39	10	1	10.0	432	62	14.35
1993	237	50	21.10	243	22	9.05	7	0	0	487	72	14.78
1994	294	37	12.59	395	31	7.85	6	1	16.67	695	69	9.93
1995	379	47	12.40	401	39	9.73	10	0	0	790	86	10.89
1996	435	45	10.34	389	37	9.51	7	1	14.29	831	83	9.99
1997	505	47	9.31	555	29	5.23	10	0	0	1070	76	7.10
1998	537	34	6.33	455	34	7.47	2	0	0	994	68	6.84
1999	553	50	9.04	377	21	5.57	9	0	0	939	71	7.56
2000	613	43	7.01	417	20	4.80	4	0	0	1034	63	6.09
2001	588	57	9.69	442	29	6.56	6	0	0	1036	86	8.30
2002	218	38	17.43	145	24	16.55	1	0	0	364	62	17.03
2003	224	34	15.18	146	21	14.38	1	0	0	371	55	14.82
2004	184	21	11.41	115	15	13.04	0	0	0	299	36	12.04
2005	182	24	13.19	141	11	7.80	0	0	0	323	35	10.84
2006	159	16	10.06	94	9	9.57	0	0	0	253	25	9.88
2007	9	4	44.44	10	2	20.0	0	0	0	19	6	31.58
2008	62	4	6.45	29	5	17.24	0	0	0	91	9	9.89
2009	2	2	100	1	0	0	0	0	0	3	2	66.67
2010	13	3	23.08	14	0	0	0	0	0	27	3	11.11
2011	0	0	0	1	0	0	0	0	0	1	0	0
2012	8	1	12.50	2	0	0	0	0	0	10	1	10.0
TOTAL	6231	782	12.55	5948	600	10.09	167	13	7.78	12346	1395	11.30

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2xi_xii.Vehicles Passing_Failing OBD Test-1

Report data for starting from 1/1/2012 through 12/31/2012

Model	Passenger Car					Light Duty Truck					Heavy Duty Truck					Total				
Year	TestCount	Test Passed	% Passed	Test Failed	% Failed	TestCount	Test Passed	% Passed	Test Failed	% Failed	TestCount	Test Passed	% Passed	Test Failed	% Failed	TestCount	Test Passed	% Passed	Test Failed	% Failed
1994	2	1	50.0	1	50.0	0	0	0	0	0	0	0	0	0	0	2	1	50.0	1	50.0
1995	1	1	100	0	0	5	1	20.0	4	80.0	0	0	0	0	0	6	2	33.33	4	66.67
1996	3087	2608	84.48	479	15.52	1934	1557	80.51	377	19.49	0	0	0	0	0	5021	4165	82.95	856	17.05
1997	3881	3324	85.65	557	14.35	2858	2288	80.06	570	19.94	2	1	50.0	1	50.0	6741	5613	83.27	1128	16.73
1998	4386	3783	86.25	603	13.75	2955	2469	83.55	486	16.45	0	0	0	0	0	7341	6252	85.17	1089	14.83
1999	4884	4280	87.63	604	12.37	3258	2896	88.89	362	11.11	1	1	100	0	0	8143	7177	88.14	966	11.86
2000	5677	4996	88.00	681	12.00	3507	3116	88.85	391	11.15	3	3	100	0	0	9187	8115	88.33	1072	11.67
2001	5719	5088	88.97	631	11.03	3575	3142	87.89	433	12.11	1	1	100	0	0	9295	8231	88.55	1064	11.45
2002	5577	5339	95.73	238	4.27	3568	3416	95.74	152	4.26	2	2	100	0	0	9147	8757	95.74	390	4.26
2003	5915	5656	95.62	259	4.38	3608	3456	95.79	152	4.21	0	0	0	0	0	9523	9112	95.68	411	4.32
2004	5779	5560	96.21	219	3.79	3910	3789	96.91	121	3.09	0	0	0	0	0	9689	9349	96.49	340	3.51
2005	6249	6055	96.90	194	3.10	4039	3829	94.80	210	5.20	1	1	100	0	0	10289	9885	96.07	404	3.93
2006	6105	5933	97.18	172	2.82	3705	3596	97.06	109	2.94	0	0	0	0	0	9810	9529	97.14	281	2.86
2007	719	706	98.19	13	1.81	598	588	98.33	10	1.67	0	0	0	0	0	1317	1294	98.25	23	1.75
2008	4941	4870	98.56	71	1.44	3156	3126	99.05	30	0.95	3	3	100	0	0	8100	7999	98.75	101	1.25
2009	539	536	99.44	3	0.56	324	323	99.69	1	0.31	0	0	0	0	0	863	859	99.54	4	0.46
2010	3248	3232	99.51	16	0.49	2411	2396	99.38	15	0.62	0	0	0	0	0	5659	5628	99.45	31	0.55
2011	593	593	100	0	0	495	494	99.80	1	0.20	0	0	0	0	0	1088	1087	99.91	1	0.09
2012	975	963	98.77	12	1.23	260	258	99.23	2	0.77	0	0	0	0	0	1235	1221	98.87	14	1.13
2013	12	12	100	0	0	2	2	100	0	0	0	0	0	0	0	14	14	100	0	0
TOTAL	68289	63536	93.04	4753	6.96	44168	40742	92.24	3426	7.76	13	12	92.31	1	7.69	112470	104290	92.73	8180	7.27

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2xv_xviii. Vehicles Passing/Failing OBD and or Gas Cap Test

Report data for starting from 1/1/2012 through 12/31/2012

Model	Passenger Car									Light Duty Truck									Heavy Duty Truck									
Year	Test Count	Both Passed	% Both Passed	OBD Failed	%OBD Failed	Gas Cap Failed	%Gas Cap Failed	Both Failed	% Both Failed	Test Count	Both Passed	% Both Passed	OBD Failed	%OBD Failed	Gas Cap Failed	%Gas Cap Failed	Both Failed	%Both Failed	Test Count	Both Passed	%Both Passed	OBD Failed	%OBD Failed	Gas Cap Failed	%Gas Cap Failed	Both Failed	%Both Failed	Test Count
1994	2	0	0	0	0	1	50.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1995	1	1	100	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
1996	3271	2382	72.82	361	11.04	229	7.00	26	0.79	2030	1366	67.29	186	9.16	209	10.30	37	1.82	0	0	0	0	0	0	0	0	0	5301
1997	4125	3007	72.90	384	9.31	297	7.20	46	1.12	3035	1967	64.81	310	10.21	324	10.68	59	1.94	3	0	0	0	0	1	33.33	0	0	7163
1998	4648	3448	74.18	427	9.19	307	6.60	38	0.82	3092	2246	72.64	327	10.58	207	6.69	41	1.33	0	0	0	0	0	0	0	0	0	7740
1999	5204	3896	74.87	449	8.63	348	6.69	42	0.81	3431	2658	77.47	270	7.87	203	5.92	25	0.73	1	1	100	0	0	0	0	0	0	8636
2000	5993	4587	76.54	487	8.13	345	5.76	60	1.00	3699	2815	76.10	245	6.62	256	6.92	28	0.76	3	2	66.67	0	0	0	0	0	0	9695
2001	6264	4685	74.79	713	11.38	311	4.96	42	0.67	3930	2859	72.75	432	10.99	244	6.21	49	1.25	1	1	100	0	0	0	0	0	0	10195
2002	6020	341	5.66	17	0.28	1	0.02	0	0	3817	200	5.24	9	0.24	0	0	0	0	2	1	50.0	0	0	0	0	0	0	9839
2003	6384	380	5.95	19	0.30	2	0.03	1	0.02	3858	240	6.22	12	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	10242
2004	6145	335	5.45	8	0.13	0	0	0	0	4133	244	5.90	10	0.24	0	0	0	0	0	0	0	0	0	0	0	0	0	10278
2005	6549	358	5.47	15	0.23	0	0	0	0	4203	242	5.76	4	0.10	0	0	0	0	2	0	0	0	0	0	0	0	0	10754
2006	6363	311	4.89	6	0.09	0	0	0	0	3884	184	4.74	2	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	10247
2007	751	92	12.25	4	0.53	0	0	0	0	639	81	12.68	2	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	1390
2008	5064	273	5.39	3	0.06	0	0	0	0	3240	200	6.17	2	0.06	0	0	0	0	3	1	33.33	0	0	0	0	0	0	8307
2009	575	57	9.91	0	0	0	0	0	0	339	43	12.68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	914
2010	3309	232	7.01	2	0.06	0	0	0	0	2451	128	5.22	2	0.08	0	0	0	0	1	0	0	0	0	0	0	0	0	5761
2011	621	59	9.50	0	0	0	0	0	0	514	52	10.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1135
2012	1006	5	0.50	0	0	0	0	0	0	273	2	0.73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1279
2013	12	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL	72307	24449	33.81	2895	4.00	1841	2.55	255	0.35	46575	15527	33.34	1813	3.89	1443	3.10	239	0.51	16	6	37.50	0	0	1	6.25	0	0	118898

Both Passed = 24449 + 15527 + 6 = 39,982

Both Failed = 255 + 239 + 0 = 494

Fail OBD = 2895 + 1813 + 0 = 4708

Fail Gas Cap = 1841 + 1443 + 1 = 3285

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2xix. MIL Commanded On and No Codes are Stored

Report data starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Mil On & No Codes	% Mil On & No Codes	TestCount	Mil On & No Codes	% Mil On & No Codes	TestCount	Mil On & No Codes	% Mil On & No Codes	TestCount	Mil On & No Codes	% Mil On & No Codes
1994	2	1	50.0	0	0	0	0	0	0	2	1	50.0
1995	12	2	16.67	5	4	80.0	0	0	0	17	6	35.29
1996	3270	377	11.53	2031	330	16.25	0	0	0	5301	707	13.34
1997	4126	514	12.46	3034	494	16.28	3	1	33.33	7163	1009	14.09
1998	4646	574	12.35	3093	464	15.00	0	0	0	7739	1038	13.41
1999	5209	622	11.94	3426	396	11.56	1	0	0	8636	1018	11.79
2000	5994	661	11.03	3698	479	12.95	3	0	0	9695	1140	11.76
2001	6269	656	10.46	3925	454	11.57	1	0	0	10195	1110	10.89
2002	6025	352	5.84	3813	220	5.77	2	0	0	9840	572	5.81
2003	6384	423	6.63	3858	264	6.84	0	0	0	10242	687	6.71
2004	6138	377	6.14	4129	252	6.10	0	0	0	10267	629	6.13
2005	6545	385	5.88	4207	280	6.66	2	1	50.0	10754	666	6.19
2006	6365	352	5.53	3882	209	5.38	0	0	0	10247	561	5.47
2007	749	98	13.08	641	89	13.88	0	0	0	1390	187	13.45
2008	5063	308	6.08	3241	213	6.57	3	1	33.33	8307	522	6.28
2009	575	59	10.26	339	44	12.98	0	0	0	914	103	11.27
2010	3308	251	7.59	2452	141	5.75	1	0	0	5761	392	6.80
2011	621	60	9.66	514	52	10.12	0	0	0	1135	112	9.87
2012	1007	15	1.49	272	2	0.74	0	0	0	1279	17	1.33
2013	12	0	0	2	0	0	0	0	0	14	0	0
TOTAL	72320	6087	8.42	46562	4387	9.42	16	3	18.75	118898	10477	8.81

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2xx. MIL Commanded Off and Codes are Stored

Report data starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes	TestCount	Mil Off & Stored Codes	% Mil Off & Stored Codes
1994	2	0	0	0	0	0	0	0	0	2	0	0
1995	12	0	0	5	0	0	0	0	0	17	0	0
1996	3270	317	9.69	2031	190	9.35	0	0	0	5301	507	9.56
1997	4126	420	10.18	3034	244	8.04	3	1	33.33	7163	665	9.28
1998	4646	486	10.46	3093	297	9.60	0	0	0	7739	783	10.12
1999	5209	497	9.54	3426	257	7.50	1	0	0	8636	754	8.73
2000	5994	566	9.44	3698	297	8.03	3	1	33.33	9695	864	8.91
2001	6269	693	11.05	3925	264	6.73	1	0	0	10195	957	9.39
2002	6025	626	10.39	3813	312	8.18	2	1	50.0	9840	939	9.54
2003	6384	451	7.06	3858	322	8.35	0	0	0	10242	773	7.55
2004	6138	402	6.55	4129	320	7.75	0	0	0	10267	722	7.03
2005	6545	405	6.19	4207	239	5.68	2	0	0	10754	644	5.99
2006	6365	296	4.65	3882	224	5.77	0	0	0	10247	520	5.07
2007	749	35	4.67	641	19	2.96	0	0	0	1390	54	3.88
2008	5063	99	1.96	3241	70	2.16	3	0	0	8307	169	2.03
2009	575	13	2.26	339	9	2.65	0	0	0	914	22	2.41
2010	3308	19	0.57	2452	21	0.86	1	0	0	5761	40	0.69
2011	621	4	0.64	514	6	1.17	0	0	0	1135	10	0.88
2012	1007	17	1.69	272	6	2.21	0	0	0	1279	23	1.80
2013	12	0	0	2	0	0	0	0	0	14	0	0
TOTAL	72320	5346	7.39	46562	3097	6.65	16	3	18.75	118898	8446	7.10

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2xxi. MIL Commanded On and Codes are Stored

Report data starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes	TestCount	Mil On & Stored Codes	% Mil On & Stored Codes
1994	2	0	0	0	0	0	0	0	0	2	0	0
1995	12	1	8.33	5	0	0	0	0	0	17	1	5.88
1996	3270	221	6.76	2031	106	5.22	0	0	0	5301	327	6.17
1997	4126	239	5.79	3034	163	5.37	3	0	0	7163	402	5.61
1998	4646	233	5.02	3093	129	4.17	0	0	0	7739	362	4.68
1999	5209	217	4.17	3426	139	4.06	1	0	0	8636	356	4.12
2000	5994	283	4.72	3698	124	3.35	3	0	0	9695	407	4.20
2001	6269	274	4.37	3925	135	3.44	1	0	0	10195	409	4.01
2002	6025	232	3.85	3813	146	3.83	2	1	50.0	9840	379	3.85
2003	6384	229	3.59	3858	142	3.68	0	0	0	10242	371	3.62
2004	6138	173	2.82	4129	111	2.69	0	0	0	10267	284	2.77
2005	6545	183	2.80	4207	109	2.59	2	0	0	10754	292	2.72
2006	6365	135	2.12	3882	81	2.09	0	0	0	10247	216	2.11
2007	749	7	0.93	641	11	1.72	0	0	0	1390	18	1.29
2008	5063	42	0.83	3241	25	0.77	3	0	0	8307	67	0.81
2009	575	2	0.35	339	0	0	0	0	0	914	2	0.22
2010	3308	6	0.18	2452	5	0.20	1	0	0	5761	11	0.19
2011	621	1	0.16	514	1	0.19	0	0	0	1135	2	0.18
2012	1007	2	0.20	272	2	0.74	0	0	0	1279	4	0.31
2013	12	0	0	2	0	0	0	0	0	14	0	0
TOTAL	72320	2480	3.43	46562	1429	3.07	16	1	6.25	118898	3910	3.29

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2xxii. MIL Command Off and Codes Not are Stored-1

Report data starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Mil Off & No Codes	% Mil Off & No Codes	TestCount	Mil Off & No Codes	% Mil Off & No Codes	TestCount	Mil Off & No Codes	% Mil Off & No Codes	TestCount	Mil Off & No Codes	% Mil Off & No Codes
1994	2	1	50.0	0	0	0	0	0	0	2	1	50.0
1995	12	9	75.00	5	1	20.0	0	0	0	17	10	58.82
1996	3270	2355	72.02	2031	1405	69.18	0	0	0	5301	3760	70.93
1997	4126	2953	71.57	3034	2133	70.30	3	1	33.33	7163	5087	71.02
1998	4646	3353	72.17	3093	2203	71.23	0	0	0	7739	5556	71.79
1999	5209	3873	74.35	3426	2634	76.88	1	1	100	8636	6508	75.36
2000	5994	4484	74.81	3698	2798	75.66	3	2	66.67	9695	7284	75.13
2001	6269	4646	74.11	3925	3072	78.27	1	1	100	10195	7719	75.71
2002	6025	4815	79.92	3813	3135	82.22	2	0	0	9840	7950	80.79
2003	6384	5281	82.72	3858	3130	81.13	0	0	0	10242	8411	82.12
2004	6138	5186	84.49	4129	3446	83.46	0	0	0	10267	8632	84.08
2005	6545	5572	85.13	4207	3579	85.07	2	1	50.0	10754	9152	85.10
2006	6365	5582	87.70	3882	3368	86.76	0	0	0	10247	8950	87.34
2007	749	609	81.31	641	522	81.44	0	0	0	1390	1131	81.37
2008	5063	4614	91.13	3241	2933	90.50	3	2	66.67	8307	7549	90.88
2009	575	501	87.13	339	286	84.37	0	0	0	914	787	86.11
2010	3308	3032	91.66	2452	2285	93.19	1	1	100	5761	5318	92.31
2011	621	556	89.53	514	455	88.52	0	0	0	1135	1011	89.07
2012	1007	973	96.62	272	262	96.32	0	0	0	1279	1235	96.56
2013	12	12	100	2	2	100	0	0	0	14	14	100
TOTAL	72320	58407	80.76	46562	37649	80.86	16	9	56.25	118898	96065	80.80

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2xxiii. Vehicles Failing the Readiness Status

Report data starting from 1/1/2012 through 12/31/2012

Model	Passenger Car			Light Duty Truck			Heavy Duty Truck			Total		
Year	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed	TestCount	Test Failed	% Failed
1994	2	0	0	0	0	0	0	0	0	2	0	0
1995	12	10	83.33	5	0	0	0	0	0	17	10	58.82
1996	3270	187	5.72	2031	105	5.17	0	0	0	5301	292	5.51
1997	4126	245	5.94	3034	193	6.36	3	0	0	7163	438	6.11
1998	4646	251	5.40	3093	158	5.11	0	0	0	7739	409	5.28
1999	5209	322	6.18	3426	182	5.31	1	0	0	8636	504	5.84
2000	5994	306	5.11	3698	179	4.84	3	0	0	9695	485	5.00
2001	6269	569	9.08	3925	373	9.50	1	0	0	10195	942	9.24
2002	6025	425	7.05	3813	230	6.03	2	0	0	9840	655	6.66
2003	6384	418	6.55	3858	222	5.75	0	0	0	10242	640	6.25
2004	6138	315	5.13	4129	211	5.11	0	0	0	10267	526	5.12
2005	6545	259	3.96	4207	149	3.54	2	0	0	10754	408	3.79
2006	6365	223	3.50	3882	171	4.40	0	0	0	10247	394	3.85
2007	749	30	4.01	641	33	5.15	0	0	0	1390	63	4.53
2008	5063	101	1.99	3241	76	2.34	3	0	0	8307	177	2.13
2009	575	31	5.39	339	13	3.83	0	0	0	914	44	4.81
2010	3308	38	1.15	2452	35	1.43	1	1	100	5761	74	1.28
2011	621	22	3.54	514	18	3.50	0	0	0	1135	40	3.52
2012	1007	28	2.78	272	12	4.41	0	0	0	1279	40	3.13
2013	12	0	0	2	0	0	0	0	0	14	0	0
TOTAL	72320	3780	5.23	46562	2360	5.07	16	1	6.25	118898	6141	5.16

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3.

3. Initial Test Volume

Report data for starting from 1/1/2012 through 12/31/2012

Station	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
WF904																													3			1	6		11	6	19	3	5	4	6	2	16	4		1	87
WF905														1								2		1	2		1	1		4		3	1	4	5	19	8	43	12	1	28	2	33		5		176
WF906																				8	32	4	16	26	15	28	38	1	1	1	7	1	4	2		2			1				3				190
WF907											1										2		1	1		4	3		14	2	6	3	6	3	7	17	4	7	5		4		3				93
WR001									1												1			2	2	2	3	2	3	4	6		3	8	9	9	9	12	3	3	8				2		92
WR100	1	1	1	1	2	1	1	2		6		1	2			2	3	4	9	9	4	7	8	19	16	21	46	43	37	45	52	54	73	48	71	57	42	47	34	1	35		22		3		831
WR101			1	2	3	4	1	1	2	2	3	4			2	1	4	5	7	9	8	10	16	9	21	25	33	38	45	30	52	54	53	63	54	51	48	42	41	4	36	8	20	2			814
WR103		2	2		1	2	1	3	3	3	1	5		1	3	5	6	7	10	15	15	6	21	15	20	22	43	43	35	31	57	55	44	53	52	49	43	44	29	6	20		15	1			789
WR107	3	2		1	1	2	1	1	2	2	4	7	1	4	2	4	6	3	5	8	13	9	16	17	18	32	29	41	30	45	45	52	56	53	44	32	37	27	32	1	15		9				712
WR110										1									1		1					1	3	1	1		2		2	2	2	3	1	5	4		8				1		39
WR112	1	2			1		3		3	2	1	2	5	4	1	2	2	2	2	3	7	12	15	30	20	27	37	51	57	66	74	101	91	101	117	106	110	146	132	4	113	1	69	3	7		1533
WR113	1	2			1		1		1				1		1	2		1	4	3	6	3	4	7	8	12	9	19	18	22	29	44	50	64	80	95	111	136	154	62	176	35	173	46	94		1475
WR114	1				1	1					1	1			1		2	4	3		4	6	7	10	10	24	21	16	23	31	20	33	29	35	35	28	39	26	42	2	19		11		1		487
WR115	3		1	3	3	3	2	2	2	5	4	4	1	1	1	4	3	9	8	4	11	24	20	19	28	29	45	48	51	51	48	71	70	80	68	70	90	55	59	4	50	2	16	1	1		1074
WR116			1		1		1		1	3		2	2			2	5	2	4	4	5	8	18	18	25	30	48	56	47	61	93	95	103	117	120	122	137	149	144	15	102	4	74	2	5		1626
WR119	2		3	2	1	1	2	3	2	3	5	7	3	2	3	6	3	8	8	6	10	16	16	25	28	23	42	39	30	47	63	53	56	53	42	49	41	31	28	3	27	3	9	1	3		808
WR121					2	2			4		1			1	1	2	1	2	2	1	4	5	5	10	7	10	13	20	20	31	33	34	31	43	33	29	26	33	26		17		13		1		463
WR126		2	1	2	3				3	1	2	3	2	1	1	1	2	5	13	6	10	8	19	17	18	11	34	22	17	32	28	34	41	39	44	37	43	42	32	10	33	18	27	5	6		675
WR129	1	2	3	4	5	2	2		2	3	3	2	6	3	3	4	12	16	11	17	11	17	34	23	35	44	51	65	56	81	76	81	91	117	105	92	95	105	71	1	69		45		4		1470
WR131	1	1	1	3	3	1			1		2	1	1	4		1	2	4	3	6	5	13	14	7	18	23	27	38	31	44	28	28	63	55	45	29	29	27	37	1	15		11		1		624
WR142			1	1					1		1	1			1	1	3	3	2	5	6	13	10	18	10	32	39	43	40	67	59	69	77	86	137	123	137	134	148	41	169	39	164	60	69	3	1813
WR144			3		1	1		2	2	5	4	2	2		3	3	4	5	6	12	6	13	17	8	36	24	22	54	40	53	43	62	44	41	45	47	38	33	23		20	3	17				744
WR146																													1			1			4	3	4	4	1	2	2	1	8	4			35
WR147											2					1	1		2					4	2	6	5	6	7	5	9	13	12	25	19	35	30	36	56	51	56	36	72	74	28	2	595
WR149	1		1	2					1	1			3	1		2	1	4	3	3	3	5	11	9	7	12	14	21	25	27	28	26	35	41	30	34	37	40	33	4	26	2	21		2		516
WR150			1	1		3	2		1		1	2	1	4		1	3	7	4	3	12	8	18	16	19	17	27	36	28	39	27	37	54	55	49	48	34	59	58	5	46	4	19	3	4		756
WR152	1		2	1	3	1	1	1	1		5	1	5	3	1	1	1	9	9	7	8	13	13	17	19	24	39	47	41	57	82	90	95	105	90	87	87	105	95	6	58		39	1			1271
WR156		1	1	2	1				1	1		2				1	2	1	3	2	3	4	5	5	13	9	14	21	10	13	22	25	21	26	28	31	28	27	35		28	1	8	1	1		397
WR159	1	1	2	2	2	2	1	1	1	4	2	3	1	2	5	2	8	17	15	15	24	30	41	35	60	100	141	159	177	233	208	312	354	323	306	393	393	396	349	10	296	3	143	5	21		4599
WR162			1											1		1	2	1	6	8	5	8	8	12	12	24	24	37	42	46	67	55	95	89	128	156	187	282	375	97	474	62	435	108	36		2884
WR164		2	2				1			1	2	4			1			1	3	1	3	1	7	6	6	5	13	17	11	29	12	24	23	24	17	19	9	14	15	5	12		5				295
WR165	2		2	3	5	1	1	1	3	4	8	2	3		7	3	6	6	14	4	12	16	22	28	42	60	76	70	63	86	88	93	116	95	111	104	104	96	141	16	62	11	25	5	8		1625
WR166																													1		1			3	3	1	2	1	5		2	2	16	2	1		40
WR172	1				1	1				3	3	2			2	2	4	1	3	4	5	12	5	7	6	10	11	17	11	25	27	26	21	19	29	21	17	22	18		15		16		1		368
WR175			1	1													1	3	1	1		3	4	6	5	3	8	6	11	19	14	20	20	22	18	16	23	19	27	4	12	3	10	3	1		285
WR179	2	1			1	2	1	2	3	2	3		3	1	1	1	1	7	4	6	6	6	9	18	14	13	22	29	35	40	42	39	45	45	66	50	40	52	38	10	24	9	20	6	4		723
WR181		1			1	1			1	2									1		3	3	1	3	6	8	7	7	9	12	15	20	22	16	12	26	19	23	48	5	15	4	12	2			305
WR182	6		3	4	1	2	2	1	3	2	7	7	4	2	1	2	3	3	10	15	19	19	14	24	30	31	59	70	68	73	72	82	129	119	120	102	93	100	103	31	98	15	43	12	7		1611
WR189				3	2	2			1	1	1	1		2	1	1	3	1	4		2	6	8	4	5	13	5	8	8	11	11	15	14	11	8	17	11	10	9	2	15	1	5				222
WR190	1	1	1	1	2				1	2	2	1					3	7	5	6	5	13	11	9	8	16	26	33	23	27	29	44	45	45	48	37	25	27	41	6	21	2	12				586
WR194	1	2		2	3	2	1	3		2	1			1	2	2	7	3	7	5	6	13	16	14	18	13	20	32	22	25	37	37	33	47	34	35	32	25	33	1	18		11				566
WR196	5	1	1	1	3	2	1	2	2	3	10	4	6	1	5	2	3	8	13	5	11	19	26	18	37	37	38	49	70	86	69	87	113	93	92	87	73	82	79	1	61	1	30		6		1343
WR207																				1		1				3	2	4	4	6	9	18	19	32	39	48	62	42	83	46	111	21	58	25	23	3	660
WR208						1		2						1			1	2	3		3	2	6	1	5	7	9	14	8	13	22	14	14	15	27	22	17	14	14		6		7		2		252
WR209																														1			1	2	1	1	3		3	2	4		1	2			21
WR211																								1				1																			2
WR218					1	1		3		2				2			6	1	3	10	7	5	11	5	10	14	11	12	16	25	27	25	28	25	30	35	36	31	33	5	25		8		7		460
WR250	1	1									2				3			5	1	4	4	9	12	8	17	21	22	41	33	57	56	81	94	106	89	128	133	150	130	9	136	1	84	2	9		1449
WR251	4	3	2	5	8	9	1	5	6	14	14	18	3	6	6	15	14	32	31	27	64	77	106	106	128	151	207	229	246	301	299	373	334	291	256	254	201	167	130	7	74	2	29		12		4267
WR254		1	1	3	2		1	1	3	4	1	3		2	3	4	4	8	12	9	20	23	25	32	43	54	83	98	112	144	128	193	241	252	242	278	249	260	302	10	233	6	144	2	19		3255
WR259	1		1				1		2		2	5		1	2	2	4	4	8	9	9	10	14	18	18	18	28	32	32	45	47	53	63	53	74	73	80	84	62	1	28	2	16		3		905
WR260			2	3	1	1	4	2	2	2	4	1		1	4	1	3	8	2	8	6	10	12	11	12	12	17	26	20	23	33	32	25	50	34	33	36	30	23	3	18	1	10				526
WR265																	1	1				3	1	1	5	5	6	4	8	20	16	13	14	15	25	22	20	20	4	12		9	1				226
WR267		2	2		3	2	2	1	5	2	5	4	3	6	4	7	11	10	4	8	8	13	14	14	16	15	26	28	35	31	42	44	41	46	36	44	42	38	31	3	19	2	9		3		681
WR280		1								3	1						3	2			1	3	1	3	6	3	10	10	6	5	9	7	11	9	11	6	6	9	11	1	7		2		1		148
WR304					1										1	1	1	1	5	1	2	2	2	5	4	1	10	6	7	14	13	14	29	38	40	40	64	71	82	60	140	59	97	61	24		896
WR309				1							1				1		2	3	1	3	7	8	4	6	8	11	17	16	16	26	17	29	33	30	29	27	33	31	38		17	1	14	2	3		435
WR310														1	2		1	2	1	7	4	5	7	12	7	14	20	24	19	27	47	25	42	44	52	59	49	44	39	3	28	2	16		2		605
WR314												1				1	3	1		1	4	1	7	3	8	11	8	12	13	16	22	24	47	22	31	55	44	38	43		44	2	26	2	18		508
WR315																			1	1	1	2	1	1	3	2	7	5	9	11	9	11	16	14	20	22	22	16	22	3	12	2	16	3	21		253
WR316					1	1		1		1		1	1				1	2		2	1	5	2	6	17	5	14	13	20	18	32	45	45	57	55	58	69	47	59	3	39	1	21	2	16		661
WR318	2	1	1	2	3	4	1		3	2	4	2	1	2	1	6	4	2	2	7	10	11	13	13	34	30	37	52	40	60	73	84	71	91	82	79	71	76	63	7	50	5	29				1131

WR323			1		1	1	1	1	2		1			2	4	1	1	6	6	4	4	6	7	13	15	14	26	23	42	41	45	42	43	47	46	27	47	31	25	2	31		19		4		632
WR324											1										1				1	1	2	3		4	2	2	1	3	4	5		7	3	4		1	2				47
WR327	1			1	1			1			1		1	1		1		4	3	6	5	11	12	10	19	26	27	41	36	64	61	81	93	98	101	133	146	131	134	4	137		68	1	8		1468
WR329				1	2												1	1	4	2	2	2	7	8	3	3	6	9	4	13	7	17	11	13	16	8	15	17	14	1	5		4				196
WR333		2			1	2							2		1	1	1	2	3	1	5	3	6	11	15	16	25	28	41	45	63	53	70	96	82	79	109	123	110	2	79	1	49	2	11		1140
WR342			1								1		1	1					1	4	4	2	6	9	6	18	18	20	24	28	47	52	69	76	103	133	164	185	199	117	234	100	244	46	44		1957
WR357	4	1	4		2	5		1	2	7	8	4	3	2	4	4	13	12	23	15	17	30	30	44	49	71	62	108	97	110	120	147	136	138	139	117	110	85	102	4	64	3	33	1	4		1935
WR366	1				2					1						1			1	1	4	1	6	1	2	7	9	15	5	10	19	11	12	27	45	44	76	95	120	82	140	75	181	67	55		1116
WR370						2	1		1	1	4		1		3	2	4	5	3	3	4	5	7	13	14	10	23	30	32	47	57	85	63	69	87	97	96	78	77	57	104	36	62	70	32		1285
WR374				1		1			1	1	1	1		1			2	4	5	3	7	8	9	11	15	14	23	34	37	46	48	40	53	43	44	44	36	39	39	7	16	1	4				639
WR377						1				2	3	1			1		2	3	3	4	2	4	3	6	10	17	21	20	26	39	55	74	78	86	109	109	144	182	229	134	330	112	273	211	65		2359
WR381																					1			1		1			4	1	3	2	1		6	1	2			1			1				25
WR388																	1						1	1	3	2	6	4	6	21	22	24	27	51	44	59	57	66	81	62	95	48	135	117	111		1044
WR394		1			2	1					1				1	1	3	2	4	1	3	8	9	13	18	14	32	41	38	49	65	61	78	84	65	82	73	81	69	7	69	4	32		4		1016
WR395																			1			1	1		1		2	1	1	8	4	5	8	12	12	18	23	23	41	41	32	22	36	46	27	2	368
WR397		1	1								3							1			2	1	4	1	5	2	6	4	12	13	13	17	17	15	29	49	47	49	54	48	63	20	66	42	20	3	608
WR402																						1		1	1		1	2		1	2	1	2	2	1	2	4	4	6	1	6		1				39
WR403							2		1		1								1		1	2	1	1	1	1		3	5	2	1	2	3	2		4	3	1		1							39
WT132	1		1	4	6	5	6	3	5	6	5	5	2	2	6	6	9	14	21	14	26	40	52	77	59	99	138	221	214	308	285	373	389	430	417	451	439	514	411	9	321	6	199	3	26		5628
WT159	1																			1	1	2	2		6	8	6	10	10	10	20	19	24	33	33	25	33	31	20	7	14	3	7				326
WT163						1		1	1		1	6		1	2	2	7	4	7	5	9	8	12	15	16	31	28	37	38	43	53	72	68	63	71	79	67	71	69	2	37		27	3	3		960
WT164																							1	3	1		1	4	2	3	1	5	3		5	1		3									33
WT166							1		1	1		1				1			1	1	1	1	2	1	6		2	5	6	2	8	13	14	12	24	21	26	38	30	1	48		63		163		494
WT191		2	1	1	2	1	1	1		3	3	1	1		1	1	6	5	10	13	15	36	29	49	40	72	94	94	113	152	159	189	216	220	215	227	216	230	190	5	156	6	93	2	11		2882
WT260									1													2		2	2	1	1	2	3	2	4	5		6		2	1	4	1	1	1						41
WT265	2	2		1	2	1	1	2	1	3	6	1	1	1	2	1	4	8	6	9	11	25	33	43	44	41	89	87	106	140	166	188	259	209	267	259	279	309	279	10	222	6	125	2	9		3262
WT269		1		1		1	1	1	1	2	2	1				8	4	4	10	15	15	31	41	34	73	81	132	156	126	231	271	334	383	337	420	453	436	486	421	10	317	6	184	2	18		5050
WT283	2											1							2			1	1	2	6	1	5	8	12	14	9	14	10	13	19	17	17	15	10		6		1				186
WT284			1	1						2	1		1	3		2	1	4	5	5	9	11	17	21	22	34	52	46	61	90	91	123	151	132	168	175	161	169	167	3	131		67	1	6		1934
WT306	1	2	1	1	3					2		3			1		6	3	5	11	11	26	23	29	44	58	75	105	104	137	143	172	194	263	225	246	246	293	251	11	160	5	98	1	13		2972
WT321			1				1		1	2							5	5	7	4	9	15	19	20	24	41	45	62	81	109	116	115	161	139	189	197	209	244	231	9	166	4	105	5	11		2352
WT324		1							1	1	2	3		1		2	1	4	3	2	5	9	6	5	12	16	17	17	25	22	30	27	33	28	35	32	29	41	26	11	17	2	8	1			475
WT325																						1	2	2	1		4	3	3	7	11	7	9	12	11	9	18	14	6	11	2	1	3	1			138
WT336	1			1	3	3	1	2	3	4	4	3	1		1	2	3	3	12	17	7	15	28	35	33	58	72	95	102	141	185	196	259	263	317	336	352	373	343	14	308	7	221	5	22		3851
WT340											1											2	1		2	2	3	3	4	4	2	7	5	3	4	2	2	2	4		2						55
WT343						2			2		4	1			1	2	6	5	3	14	9	15	22	40	47	63	84	88	96	151	154	187	186	209	220	246	258	243	235	10	173	3	108	2	7		2896
WT345		1		1					1	2	2	1			1		2	2	3	3	4	12	8	17	13	15	24	22	17	20	31	34	51	31	43	32	37	27	36		18		14		1		526
WT348								1				1										2	1	1	2	2	5	12	15	32	36	52	65	73	75	61	82	60	53	9	21	1	12				674
WT354		2		1		1		1	1	1		1			1	2	4	3	12	8	25	16	27	44	56	65	116	125	144	191	199	229	230	193	185	136	142	120	83		30	3	8				2405
WT355											1			1			3	3	7	2	5	5	2	4	11	5	17	11	7	13	16	12	17	26	15	11	13	21	22	6	9	1	7		1		274
WT356	1		1		2	1				1	1	1	1	4		1	3	1	9	5	16	12	12	18	9	15	27	37	27	32	41	45	49	41	55	39	54	38	58		36	1	23	1			718
WT363	1			1	1		1		1	1		1				1	2	3	3	3	4	6	8	15	8	8	17	14	20	27	28	27	29	23	37	32	23	19	23	3	14	2	7		2		415
WT364														1			1	1				1	2	3	2	5	2	3	10	8	9	5	9	9	5	8	6	5	8	3	9		10				125
WT367				1		2		1	3	2	3	4	3	3	2	2	5	4	7	2	7	9	21	21	25	35	53	55	72	73	91	110	107	103	110	92	93	67	53	4	10		5				1260
WT368	2					3		1		1	4	3	3	1	2		4	2	6	10	13	14	24	25	34	53	64	90	102	117	123	185	187	193	219	266	280	316	312	10	236	9	153	4	16		3087
WT372	1	1		2	1	1		7	2	1	2	6	1	5	2	3	5	5	8	11	13	23	39	42	50	82	98	139	157	229	248	271	343	398	382	417	454	484	473	23	384	8	249	6	29		5105
WT374																						1		1		4		4	4	5	7	6	3	4	5	5	1	4	2	1	4	2		1			64
WT375	2	3	1	4	3	3	2	2	2	4	10	6	1	6	5	6	17	19	21	14	35	41	32	40	69	66	91	98	104	123	117	124	139	144	130	117	107	89	96	6	68	2	35		3		2007
WT379	1	1	2					3	1	2	3	1	3	1	1	3	2	2	5	4	11	15	16	22	28	35	42	51	44	67	68	83	74	87	88	70	75	57	50		39	1	10		6		1074
WT382		3		2	2	2	2	1	1	2	2	3	1	1	3	2	7	6	16	10	20	21	33	24	36	44	67	68	100	114	134	153	167	138	170	203	187	192	216	11	132	8	92	4	13		2413
WT383																	1					1								1			2			1					1						7
WT385	2				1		1		2	2			1				2	1	7	4	9	10	7	12	16	14	24	20	25	41	33	50	43	53	30	33	25	30	29	1	15	1	9				553
WT387					2	1						3	2			1		4	1	1	1	6	3	2	7	5	15	10	11	17	18	18	25	22	33	29	31	18	13	10	9	1	3		3		325
WT389									1	1	2	1	1			1	2	5	6	1	8	4	13	16	18	28	39	53	61	85	91	112	125	130	142	177	192	243	184	6	164	1	103	3	7		2026
WT390											1										1		1	4	1	1	2	2		3	1		3	2	5	1	3	4	9	1	7		4				56
WT392	1	1	1						2		2	2	2	2		1		7	5	1	8	10	17	16	29	21	40	53	59	64	78	79	92	88	85	89	92	105	95	17	40	7	18	4	2		1235
WT393	1				1	1			1			1	1	2	1	1	5	5	3	6	6	16	16	25	16	34	41	52	57	83	83	94	93	91	72	55	36	32	32		14		4		2		983
WT396																								3	1	2	2	2		1	1	1	4	2	3	1		2	1								26
WT398	1		1	3	1				4	5		1		1	1	1	1	3	3	3	6	8	6	9	16	15	20	28	15	26	20	22	30	26	32	22	35	17	28	2	15		18		1		446
WT399	1	1					1			1			1		1	1	2	6	5	7	5	14	20	20	23	27	43	53	53	86	96	127	141	153	156	170	169	220	218	2	166	3	96	1	5		2094
WT400		1	1						1	1	2	5		1			4	3	5	6	9	5	21	16	18	29	54	51	54	71	73	76	88	90	84	63	59	50	39	4	13	1	8				1006
WT401															1				1	2	1	1	6			4		1	3	3	4	4	10	2	2	3	4	2	1								55
WT404																									1	2		2	3	1	1	2	2	1	4	1	1	2	2		2		1				28
WT405															1								3	1		3	6	7	3	4	5	9	9	6	3	16	5	7	13		8	2	7		1		119
TOTAL	71	60	64	84	115	100	59	70	117	159	203	179	95	106	126	163	318	427	562	557	836	1120	1454	1686	2088	2644	3715	4427	4585	6077	6580	7754	8674	8824	9244	9600	9741	10243	9955	1394	8264	907	5711	1108	1252		131518

4.

4. Initial Test Failure Rate

Report data for starting from 1/1/2012 through 12/31/2012

Station	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	TOTAL
WF904																																	1		1											2
WF905														1											2												2									5
WF906																				1	6	3	1	6	1	7	3	1			1															30
WF907																								1		2			3		1		1													8
WR001																									1	1	1	1	2	3	2			4	4	1	4									24
WR100			1		1		1			1							2	3	4	3		1		5	1	4	3	9	7	5	6	4	5	5	3	1		2								77
WR101										1		1					1	3	5	4	2	1	3	4	2	2	6	7	5	5	4	6	2	5	3	2		2		1	1					78
WR103		1				1		1	1			2		1	2	2	3	2	5	9	5	1	5	4	2	6	13	7	9	6	13	9	5	11	6	3	1	4	2	1	1		1			145
WR107											4	2	1	2	1	1	2	2	1	1	3	5	4	5	2	4	4	4	1	5	8	8	7	5			1									83
WR110																										1																				1
WR112	1						1							2		1	1		1		4	2	4	3	5	2	5	5	8	13	8	5	7	8	3	3		5	4							101
WR113							1												1	1	3	1		1	2	4		5	8	7	3	4	6	7	1	8	4	7	9	2	3		3		1	92
WR114											1	1					2	3			1	4	2	3	4	5	4	3	7	3	4	6		6	4	2	1		3							69
WR115	1		1			1	1	1			2							3		2	4	5	2	2	1		1	5	5	3	3	1	3	1			1	1	2		1		2			55
WR116			1				1			2		1					3	1		2	3	1	8	5	8	8	12	14	10	19	18	14	19	19	8	8	6	8	3		3					205
WR119	1		1	1			1	1		2		2			1	2	1	2	3	3	1	1	3	4	8	8	8	7	8	11	16	8	3	7	2	1		1	1							119
WR121						1										1		2	1		1	4	2	4	1	2	4	1	6	8	5	3	5	6	2	1	2	2								64
WR126		1							2	1		2					1	1	4	1	2	2	1	2	4	5	4	3	1	3	2	4	4	2			1	2								55
WR129			1	2			1		1	1	1					2	5	6	6	5	5	6	10	7	7	10	9	12	12	19	13	22	15	24	11	4	5	4								226
WR131			1	2	1						2			2				1				3	1		3	2	4	4	3	9	2	5	5	9	1	4	1	1			1		2			69
WR142				1													2	1		1	1	3		3	2	3	4	5	1	9		2	5	3		2	3	1	2		2		1			57
WR144			1		1					1						2	1		2	3	2	4	3	4	8	5	4	10	7	3	5	16	4	6	1	2			1		1					97
WR146																																			1			1								2
WR147											1													2	1			2	1		2	3	3	2	2	1			3				1			24
WR149									1	1			1					2	1	2			3			1	3	4	1	4	3	5	5	5					1							43
WR150									1					1			2	2	1	1	3		1	3	2	4	6	9	5	10	3	10	7	14		2	2	1	1		1					92
WR152			1								1		1					3	4	2	4	4	3	3	1	5	10	5	5	5	12	8	14	14		3	1	2	3		1					115
WR156									1			1					2		3		1		2	1	3	1	4	1	1		5	1	3	4		2		1								37
WR159		1	1	1	2					2				2			3	6	9	5	5	11	9	4	9	17	24	30	29	45	32	37	50	33	8	14	10	9	5		2		1			416
WR162														1					2	2	1	3		1	1	2		3	3	2	3	2	8	5	3	3	5	1	6		1		1			59
WR164											1	2							2	1	1		1		3		3	2	1	3	2	3		3			1			1					30
WR165				2	1	1				1		1	2		2		1	4	8	2	1	7	5	5	7	10	17	11	9	17	10	13	12	9	1	6	3	2	6		1					177
WR172										1	2					1	1			2			3	5	1	4	1	2	1	5	5	6	5	2	1			1	2							51
WR175																	1	1					1	1					1		1						1		1							8
WR179						1	1	1	1				1					4	3	1	1		3	2	1	3	4	5	8	6	10	11	1	6	1		1	6								82
WR181										1									1		1			1	4		2	1	5	4	2	2	1	2		1		2	1							31
WR182							1		1	1	1	2		1			2		5	4	3	5	4	9	6	7	15	17	18	14	14	7	20	8	4	6	3	2	3	1	2				1	187
WR189														1	1		2		1				1	1		4	3	1	1	2	2	1	1	2												24
WR190	1		1								1	1					1	4	3	1	3	2	2	2	3	2	8	8	9	9	2	9	10	9	2	3	1									97
WR194		1		1		1		2		1							4		3	3	3	6	2	3	6	5	2	5	3	5	11	6	3	9	5	4	1		2							97
WR196	3				1	1	1	1			2	1	1		1	1	1	5	5	2	5	4	1	6	14	2	11	12	14	20	10	13	15	14	2	2	4	1	1							177
WR207																										2	1			1	1	1	1	1		1	1				2					12
WR208																	1	2	1				1		2	2		2	1	2	8	1	1	3	2										1	30
WR218								1									1	1	1	3	2	2	2	1	1	3	2	3	3	6	6	9	6	3	1	5	2		1							65
WR250															1			2	1	1	2		4	1	6	2	7	5	9	10	8	7	8	10	2	5	7	6	4		2					110
WR251		1		2	1	3			1	4	4	10	2	2	3	5	6	14	11	4	12	17	22	18	26	20	32	42	29	41	27	24	30	26	5	4	2	4	2		1					457
WR254				2				1						2	1	1	2	2	8	3	4	12	7	5	5	12	16	15	20	26	25	29	29	25	9	7	10	6	6		1					291
WR259							1				1	2			1	1	1	1	4	1	1	1	3	4	5	2	5	8	7	13	13	10	10	9	9	2	4	4	1							124
WR260				1		1				1	1				1		1	1	1	2	1	1	1	3	4		4	2	5	5	7	5	3	9	1	1	5	1			1					69
WR265																		1						1				1			2	1	1		1		1		1							10
WR267			1		1				3	1		1	1	3		3	4	6	2	2	5	4	3	2	4	5	4	4	6	5	5	5	7	6			1	1								95
WR280																		1				1		2	2		4	3		2	1	1	1	2	1		1									22
WR304																	1		2	1	2	1	1		1		1	1	3	2	4	1	3	4		1	3	1	2				1		1		37
WR309																		2	1	1	2	1	1	3		1	3	4	5	4	1	6	6	2	2				3		1						49
WR310															2		1		1	4		2	1	2		3	4	8	5	6	9	5	5	6	11	6	3	2	1		1						88
WR314												1				1	2				1		3				1	2	1	7	3	1	4	2		3	1	2								35
WR315																					1	1		1	2	1	2	3		2	1	3	2				3		1								23
WR316					1			1		1			1							1		2		4	4	3	4	3	2	5	8	8	3	9	3	2	1		1		1						68
WR318	1			1		2					2	1			1	2	1		1	1	1	2	3	1	4	3	4	10	6	6	11	7	7	8	6	4	1	5								102
WR323						1		1	2					1	1	1		5	1	1	2	1	1	3		1	2	3	1	1	6	2	1	3	1												42
WR324																												1																		1
WR327																1		2	2	3	3		4	1	6	2	4	12	6	17	8	5	12	16	6	4	8	6	4		1						133
WR329				1														1	2	1		1		1	1		1	2	3	2	3	1	2								1						23
WR333					1										1			1	3		1			3	3	3	7	7	9	11	10	8	9	16	7	6	6	6			1						119

WR342			1										1						1		2		1	2		1	1	3	3		7	5	4	7	1		4	3	2	2			1			52
WR357	1				1				1	1	1	1	1	1			3	5	8	5	2	4	5	7	7	8	14	13	11	17	5	20	12	14	2	3	1	2	1							177
WR366					1					1													1	1			2	4		1	3	2		3	5	1	3	2	5	1	1		1			38
WR370									1		2				2		2	2	2	2			2	2	5	1	7	8	6	8	5	15	8	9	2	8	2	3	5		1				1	111
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WR381																					1										1						1									3
WR388																													3	4	4	2	4	7	4	2	1	1	1	1						34
WR394		1			1										1		2	1		1	1	1	1	2	4	4	7	8	6	12	9	6	8	9	1	4	1	5	1		1		1			99
WR395																			1						1					1	1	1	1	5	1	1		2			1				1	17
WR397																					1		1		2	1	1	2	4	2	4	3	2	4	3	7	5	8	3	2			1		1	57
WR402																												1		1	1										1					4
WR403						1																						1	1	1				1												5
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WT163												3			1	1	3	1	3	2		2	2	4	3	14	7	9	9	12	16	12	12	13	2	2	5	3								141
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WT166						1													1				1				1	1	2	2		1	3	1					1		1					16
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WT284				1										2				1	2		3	2	2	3	1	5	16	6	11	12	10	10	16	12	8	6	6	3	7		2					147
WT306		1			3												3	1	1	3	3	7	6	4	13	4	15	25	29	23	27	22	32	30	6	8	11	10	13		2		1			303
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WT325																															2		3	1	1		1		1							9
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WT340																						1					3	1	2	2	1		1	1				1								13
WT343					2				2			1			1			3	1	4	3	3	7	12	15	15	19	12	27	20	28	16	32	33	9	6	13	10	17		7		3		1	322
WT345										1	1						1	1	1		1	5	1	2	1	3	4	3	2	3	4	9	2	3	1	2		2							53
WT348																										1		3	3	2	6	8	4	3		2										32
WT354		2		1		1		1				1			1	2	2	1	3	2	5	6	12	7	14	22	20	17	22	29	31	22	25	16	6	3	1	3	3		1					282
WT355																	1		1	2		1		1	2	1	4		1	1	3		2	3				2								25
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WT363						1												2	2	1	1		3	3	1	1	1	2		1	4	1	2					1								27
WT364														1								1	2		2	1	1		1	2	2		2	1												16
WT367									2	1	2	2	1	1	2	2	2	2	3		2	2	8	5	9	10	13	11	19	15	23	12	16	13	3	4	3	1	1							190
WT368	1										2		1				3	1	3	3	4	1	6	2	8	14	12	15	21	27	12	20	20	18	11	14	5	11	6	2	3		1		1	249
WT372						1		2	1	1		1		3		1	4	4	2	4	4	5	7	9	8	13	23	26	24	34	43	30	48	43	17	16	15	18	16	1	6		3		1	434
WT374																						1		1				1			1	1			1											6
WT375	1	2	1	2		1	1	1		2	1	3		3	1	1	12	10	7	6	10	14	9	12	16	23	19	24	28	36	16	16	16	14	5	1	4	3	5		1					327
WT379		1						1		1			1			1	1		2		3	5	5	2	10	7	9	12	13	15	13	12	10	12	3	6	3	1	2							151
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WT383																														1																1
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WT387												1				1		2	1			1					4	2	1	3	2			2							1					21
WT389											1	1					1		1	1	4		6	6	2	7	5	10	6	13	18	13	15	11	5	9	10	7	4		1					157
WT390																					1			2			1														1					5
WT392	1										2	1	1	1				2	2	1	1	6	6	6	10	7	5	12	7	12	12	8	10	10	2	1	2	2	1	1	3					135
WT393	1								1				1	1	1	1	2	2		4	2	6	5	9	4	8	7	11	7	15	14	14	15	16	5	1		4								157
WT396																									1		1						1													3
WT398												1			1	1				2	2	3	4	2	2	4	5	6		3	4	1	3	3			1		2							50
WT399						1									1		2	1	3	3		5	7	4	1	3	5	3	8	10	15	7	16	15	5	11	3	11	4		3					147
WT400											1			1			3	1	3		4		6	4	3	9	13	17	16	21	15	12	7	13	3	2	3	2	3							162
WT401																				1			2			1				1			1	1	1											8
WT404																										1		1	1	1				1			1									6
WT405																							1					2	1	2			1	1													8
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