



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

2000 Annual Report

Massachusetts Enhanced Emission and Safety Testing Program

December 6, 2005

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2000 Annual Report

Massachusetts Enhanced Inspection and Maintenance Program

1 INTRODUCTION

This document is the 2000 Annual Report to the United States Environmental Protection Agency (EPA) on the Massachusetts Enhanced Inspection and Maintenance Program (I&M Program). This Annual Report is required by EPA under 40 CFR 51.366. This report covers the calendar year January 1 to December 31, 2000, the first full year of operation for the Massachusetts Enhanced Inspection and Maintenance Program.

During 2000, several procedures were modified to ensure that the Program meets its goals. Significant modifications were:

- March and December 2000: Tightened cutpoints (used to identify failing vehicles) in accordance with the initial program design, which called for phasing in cutpoints in three steps (the final cutpoints are set at levels required to meet Massachusetts' commitments for pollution reductions, as described in the State Implementation Plan).
- May 2000: Implemented "Fast Pass" to reduce the time required to test a vehicle, allowing vehicles to pass on any of six 31-second test cycles.
- November 2000: Initiated a study required by U.S. EPA to evaluate the effectiveness of the Massachusetts I&M test (MA31) by issuing task orders to Keating to move Massachusetts-approved test equipment to Arizona (where the study would be conducted) and to Sierra Research to begin correlation testing of 1,000 cars.
- December 2000: Implemented "Low Emitter Profile", which exempted certain vehicle models with very low failure rates from emissions testing. This modification saved time for inspection stations by allowing them to focus attention on vehicles with a higher probability of failing
- December 2000: Revised test selection software to help ensure that vehicles receive the proper emissions test when due (every other year).

These modifications are described in more detail in the Biennial Report for 2000-01 and 2002-03, submitted to EPA on July 20, 2005.

Contents of This Report

This report describes:

- The Massachusetts I&M Program - providing background on the program and information on types of emissions tests;
- Station and Inspector Oversight - providing information on covert and overt performance audits data, hearing results for stations and inspectors and the number of inspection stations and inspectors;
- Compliance and Enforcement - providing information on enforcement activities and on vehicle compliance with the program's testing requirements; and
- Emissions Test Data - including information on the percentage of vehicles failing emissions tests, supplemented by data presented in Appendices B and C.

Please note that, since the program contractor started to conduct audits of inspection stations in November 2000, data describing these audits will be provided in the 2001 Annual Report, along with full year data for calendar year 2001.

2 THE MASSACHUSETTS I&M PROGRAM

2.1 Why Does Massachusetts Have an I&M Program?

Massachusetts's air does not meet federal standards for ground-level ozone pollution. On our "bad air" days, there are increases in asthma attacks and hospitalizations for people with severe respiratory ailments. To reduce the number of "bad air" days and to comply with the Federal Clean Air Act and U.S. EPA's regulations, Massachusetts must implement various federally mandated programs. To reduce pollution from motor vehicles, Massachusetts is required to operate an Enhanced Inspection and Maintenance (I&M) program. The U.S. Environmental Protection Agency (EPA) sets minimum standards for I&M programs¹.

States include their I&M programs in a State Implementation Plan (SIP), a federally-enforceable binding commitment from the state to EPA, that lists the programs the state will use to meet federal pollution reduction goals. These programs include reductions from many emission sources, such as power plants, small businesses, factories, construction equipment, and on-road vehicles. EPA grants credit to states for pollution reductions from each program, based on EPA guidelines and on modeling of the likely impacts of the program on air quality submitted by the state. A more stringent state program will receive more credit than a less stringent program. EPA also looks at the totality of the state programs to determine if the state will meet its SIP commitment to reduce air pollution and meet public health and environmental standards.

The current Massachusetts I&M program was authorized by the Legislature by Chapter 210 of the Acts of 1997. The Department of Environmental Protection and the Registry of Motor Vehicles (RMV) jointly administer the Enhanced Emission and Safety Test. The program provides a comprehensive test that identifies the emission reductions needed for the Massachusetts SIP, is convenient to motorists, ensures vehicle safety, and works well in local inspection shops. To maximize customer convenience, the legislation combines emissions and safety testing, and requires that the combined test be delivered in local inspection stations, convenient to where people live and work. In January 1999, the Commonwealth contracted with Keating Technologies, Inc. to supply the inspection equipment and operate the Massachusetts I&M program. The Enhanced Safety and Emissions Testing Program started operation on October 1, 1999.

Each vehicle registered in Massachusetts must be inspected annually. All vehicles are required to receive a safety inspection every year, and the vast majority is required to receive an emissions test every other year. During most of 2000, vehicles were exempted from the emissions inspection if they:

- Were model year 1983 or older; or
- Were less than four years old and still registered to the original owner.

¹ 40 CFR Part 51, Subpart S (§51.350 et seq.).

As noted in Section 1 above, an additional exemption was established in December 2000 for vehicles that fit a “Low Emitter Profile” (LEP) that identifies classes of vehicles that are typically very clean based on Massachusetts test data.

In addition, vehicles are required to receive an emissions inspection within seven days of transfer of ownership or of their initial registration when entering the Commonwealth.

2.2 How Does an I&M Emissions Test Work?

Most Massachusetts vehicles receive their inspections at local public stations. The program also allows owners of vehicle fleets to purchase their own testing equipment so they can perform their own tests. The number of public and fleet stations fluctuates as businesses join or leave the program. In 2000, a total of 1,384 stations conducted emissions tests: 1,363 stations conducted emissions tests for the public; and 21 fleet stations conducted emissions tests during 2000.

The Massachusetts I&M program used two types of tailpipe tests for gasoline-powered vehicles in 2000: the "transient" test and the Two-Speed Idle (TSI) test. The most common tailpipe test was the transient test. In this test, vehicles are placed on a dynamometer, a treadmill-like device that puts resistance against the tires to simulate on-road driving. The vehicles are accelerated and decelerated according to a prescribed pattern (“drive trace”), and tailpipe emissions are measured and recorded. Readings for hydrocarbons (HC), carbon monoxide (CO) and oxides of nitrogen (NO_x) are compared to each pollutant’s pass/fail points, which are expressed in grams/mile. The pass/fail points vary by vehicle type [car vs. truck], model year, and, for trucks, by weight category.

Vehicles that could not receive a transient test received a Two-Speed Idle (TSI) test. This test measures emissions while the engine is operating at 2500 revolutions per minute with the transmission in neutral and the vehicle idling. The pollutant levels and pass/fail points for TSI tests are measured in concentrations (parts per million for HC, and percent-per-standard volume for CO). Since the engine is not under load in this test, it does not produce a measurable amount of NO_x. Therefore, this test does not measure emissions of oxides of nitrogen. Examples of vehicles that receive a TSI test are those with All-Wheel Drive (where the vehicle cannot be shifted back to two wheel drive) and vehicles weighing more than 10,000 pounds.

3 STATION AND INSPECTOR OVERSIGHT

3.1 Number of Inspection Stations and Inspection Lanes for 2000

40 CFR 51.366 (b)² 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
 - (ii) Operating for only part of the year;

During calendar year 2000, a total of 1,384 inspection stations participated in the Enhanced Emission and Safety Testing Program. Of these, 1,363 stations were open to the public, and another 21 served only vehicle fleets. In 2000, 1,042 stations operated throughout the calendar year, and 342 stations operated for only part of that year.

The number of workstations is equivalent to the number of lanes in a centralized testing program. In 2000, a small number of stations had more than one set of inspection “workstations”. At the same time, a few stations closed or stopped conducting inspections, and their workstations were acquired by new inspection stations (operating under the same workstation identification number). During calendar year 2000, a total of 1,363 workstations operated, 1,045 throughout the year and 318 for only part of the year. The total number of workstations operating in 2000 is only coincidentally the same number as that of inspection stations that were open to the public during this year.

3.2 Number of Trained and Certified Inspectors

40 CFR 51.366 (b) (5) The number of inspectors licensed or certified to conduct testing;

Between August 1999 and October 2000, the program contractor trained 6,173 inspectors. As this report is being written, data describing the specific number of inspectors licensed to conduct testing is not available, although it should be noted that each inspection station is required to employ at least one licensed inspector.

3.3 Number and Type of Overt Performance Audits

40 CFR 51.366 (b)(2) The number of inspection stations and lanes operating throughout the year:

- (i) Receiving overt performance audits in the year;
- (ii) Not receiving overt performance audits in the year;

The RMV conducts regular site visits/performance audits to determine if the inspectors are correctly performing all tests and the station’s physical conditions continue to meet

²For all references to 40 CFR 51.366: 57 FR 52987, Nov. 5, 1992, as amended at 61 FR 40945, Aug. 6, 1996; 65 FR 45534, July 24, 2000; 66 FR 18178, Apr. 5, 2001.

program requirements. RMV staff visit inspection stations once per quarter and perform additional visits to follow up on identified problems, or to investigate stations or inspectors that are suspected of violating regulations based on consumer complaints or data analysis.

Data analysis used by RMV staff include monthly “digital audits” that are conducted before site visits to identify areas that may need further investigation. The records of all inspections are maintained by Keating and its subcontractor in a large computer database. A “digital audit” is a query of that database for information that may indicate issues warranting attention during the site visit. Examples of digital audit items include the station’s inspection failure rate and vehicle characteristics recorded during the inspection that do not match the vehicle information in the registration database.

The RMV site visits are designed to cover a wide range of items including:

- Observing inspectors performing an inspection;
- Examining station and inspector licenses;
- Collecting voided inspection stickers and checking to see that stickers are stored in a secure location;
- Examining the inspection equipment and bay;
- Supplementing the inspector’s training; and
- Investigating consumer complaints and/or anomalous digital audit findings.

RMV staff prepare a written report summarizing the results of each inspection. Violations of policies or regulations identified at site visits are forwarded to RMV headquarters for possible enforcement action.

No summary data is available for 2000.

3.4 Covert Audits

40 CFR 51.366 (b)(2) The number of inspection stations and lanes operating throughout the year: . . .
(iii) Receiving covert performance audits in the year;
(iv) Not receiving covert performance audits in the year;

40 CFR 51.366 (b) (3) The number of covert audits:
(i) Conducted with the vehicle set to fail per test type;
(ii) Conducted with the vehicle set to fail any combination of two or more test types;
(iii) Resulting in a false pass per test type;
(iv) Resulting in a false pass for any combination of two or more test types;

In November 2000, Keating (the program contractor) began implementing two types of covert audits, or "covert performance audits". *Covert vehicle audits* were done with vehicles set to fail one or more parts of the emissions test. *Covert visual audits* observed tests being conducted (to the extent possible from a covert location), recorded any irregularities in the testing process and compared the observed tests to test data recorded in the test database.

Stations could be selected for covert audits for any of five reasons: a specific request from DEP or RMV, analysis of test data (i.e., through digital audits), high volume of inspections conducted, motorist complaints, and random selection.

Because covert audits began late in 2000, data describing them will be provided with full year data for 2001, in the 2001 Annual Report.

3.5 Covert Audit Results

40 CFR 51.366 (b) (3) The number of covert audits: (i) Conducted with the vehicle set to fail per test type; (ii) Conducted with the vehicle set to fail any combination of two or more test types; (iii) Resulting in a false pass per test type; (iv) Resulting in a false pass for any combination of two or more test types;
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40 CFR 51.366 (b) (8) The total number of covert vehicles available for undercover audits over the year; 40 CFR 51.366 (b) (9) The number of covert auditors available for undercover audits.
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Covert audits are under-cover inspections done with vehicles set to fail one or more parts of the emissions test. A “false pass” on a covert audit is an inspection that passes a vehicle that was set to fail. The covert audit does not indicate whether the cause of a false pass was related to the equipment or the inspector. Follow-up investigations conducted by Keating and the RMV address the cause of any false passes.

The Registry investigates false passes and, as part of their site visits, initiates enforcement actions and/or provides supplementary inspector training on proper test procedures. On occasion, when it identifies possible systemic emissions equipment problems, the Registry forwards information to DEP.

Covert vehicles are set up in one of two ways:

- set to fail the tailpipe test, or
- set to fail both tailpipe and gas cap tests.

Since these audits began in November 2000, data describing them will be presented with full year data for 2001, in the 2001 Annual Report. The number of covert auditors employed during 2000 is not available.

3.6 Station and Inspector Hearing Results

40 CFR 51.366 (b) (6) The number of hearings: (i) Held to consider adverse actions against inspectors and stations; and (ii) Resulting in adverse actions against inspectors and stations;
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40 CFR 51.366 (b) (4) The number of inspectors and stations: (i) That were suspended, fired, or otherwise prohibited from testing as a result of covert audits;
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(ii) That were suspended, fired, or otherwise prohibited from testing for other causes; and

40 CFR 51.366 (b)(2) The number of inspection stations and lanes operating throughout the year: . . .

(v) That have been shut down as a result of overt performance audits;

The following table summarizes the written violations issued to stations and inspectors.³.

**Table 1: 2000 Audit and Enforcement Statistics
(10/1/99-11/30/00)**

Type of Action	Total
Total Number of Violations	339
Stations Suspended	180
Inspectors Suspended	82

3.7 Fines Collected

40 CFR 51.366 (b) (4) The number of inspectors and stations: . . . (iii) That received fines;

40 CFR 51.366 (b) (7) The total amount collected in fines from inspectors and stations by type of violation;

Massachusetts does not collect fines from stations or inspectors.

³ A tally is not available of the adverse actions, such as “cease and desist,” that were instituted on-site before the hearings.

4 QUALITY CONTROL REPORT

40 CFR 51.366 (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;
- (2) The number of equipment audits by station and lane;
- (3) The number and percentage of stations that have failed equipment audits; and
- (4) Number and percentage of stations and lanes shut down as a result of equipment audits.

No routine auditing of emission testing equipment was conducted at inspection stations in 2000.

5 COMPLIANCE AND ENFORCEMENT

5.1 Vehicles Subject to Inspection and Motorist Compliance

40 CFR 51.366 (d) Enforcement report.

(1) All varieties of enforcement programs shall, at a minimum, submit 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;
- (ii) The percentage of motorist compliance based upon a comparison of the number of valid final tests with the number of subject vehicles;

Massachusetts's vehicles are tested for safety every year and for emissions every two years. The following three types of vehicles were exempt from emissions in 2000:

- Model years before 1984,
- Vehicles purchased new within the last four years), and
- Vehicles appearing on the table of Low Emitter Profile (LEP) Vehicles (starting in December 2000).⁴

Table 2 summarizes the analysis of compliance rates. The first calculated compliance rate, “overall testing compliance,” compares the total number of unique vehicles receiving any I&M test (including safety-only tests) to the number of unique registered vehicles. However, the number of unique vehicles receiving any type of inspection (including safety only) in 2000 is not available.

The second calculated compliance rate, “compliance with emissions testing commitment,” compares the number of vehicles that received emissions tests to DEP’s target for the number of emissions tests. The target number is based on DEP’s commitment to exempt no more than 40% of all registered vehicles from emissions testing. Since the remaining 60% are tested every two years, emissions testing should occur for at least 30% of the registered vehicles each year. In 2000, 23% of the registered fleet received emissions tests.

⁴ Based on very low demonstrated failure rates for particular types of vehicles, the LEP table lists specific registered vehicles that are exempt from emissions testing.

Table 2: 2000 Compliance Rates

	Vehicle Count	Compliance Rate
1. Overall Testing Compliance		
Vehicles Subject to 2000 Test (Safety Only or Safety and Emissions)	4,600,000	
2. Compliance With Emissions Testing Commitment		
Target Number of Emissions Tests (30% emissions tested each year)	1,380,000	30% of Fleet
Unique Vehicles Receiving Emissions Tests In 2000	1,041,000	23% of Fleet
Number of Emissions Tested Vehicles as a Percent of the Target Number of Emissions Tests		75%

5.2 Compliance Documents Issued - Missing Compliance Documents

40 CFR 51.366 (d) (1) (iii) The total number of compliance documents issued to inspection stations;
(iv) The number of missing compliance documents;

This data is not available for 2000.

5.3 Time Extensions

40 CFR 51.366 (d) (1) (v) The number of time extensions and other exemptions granted to motorists;

No time extensions and other exemptions were granted to motorists, beyond the program's standard exemptions for certain classes of old, new, and/or relatively clean vehicles.

5.4 Compliance Surveys

40 CFR 51.366 (d) (1) (vi) The number of compliance surveys conducted, number of vehicles surveyed in each, and the compliance rates found;

This information is not available for 2000.

5.5 Preventing False Registration

40 CFR 51.366 (d) (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

40 CFR 51.366 (d) (3) (ii) [Computer-matching based enforcement programs shall provide . . .] 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;

40 CFR 51.366 (d) (4)(ii) [Sticker-based enforcement systems shall provide . . .] 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;

The reporting requirements for efforts to prevent false registration are not relevant to Massachusetts because:

- all of Massachusetts is covered by the program;
- all vehicles are required to be inspected annually for either safety or safety and emissions;
- if a motorist falsely reports fuel type or weight in order to avoid an emissions inspection, the inspector enters corrected data based on his or her examination of the fuel cap and based on vehicle information appearing on the vehicle's door label.

5.6 Registration File Audits and Compliance with Deadlines

40 CFR 51.366 (d) (2)(ii) [Registration denial based enforcement programs shall provide . . .] The number of registration file audits, number of registrations reviewed, and compliance rates found in such audits. . . .

40 CFR 51.366 (d) (3) Computer-matching based enforcement programs shall provide the following additional information:

(i) The number and percentage of subject vehicles that were tested by the initial deadline, and by other milestones in the cycle;

Massachusetts did not have a program to perform these analyses in 2000.

5.7 Enforcement System Audits

40 CFR 51.366 (d) (3) (iii) [Computer-matching based enforcement programs shall provide . . .] The number of enforcement system audits, and the error rate found during those audits.

In 2000, enforcement was undertaken by state and local police, who wrote tickets for vehicles with expired (or missing) inspection stickers (See Section 5.8 below).

5.8 Additional Sticker-Related Activities

40 CFR 51.366 (d) (4) Sticker-based enforcement systems shall provide the following additional information:

(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;

In 2000, state and local police issued 67,213 inspection sticker motor vehicle violations.

5.9 Parking Lot Surveys

40 CFR 51.366 (d) (4) (iii) [Sticker-based enforcement systems shall provide . . .] The number of parking lot sticker audits conducted, the number of vehicles surveyed in each, and the noncompliance rate found during those audits.

No data is available about these activities in 2000.

6 EMISSIONS TEST DATA

Details of all 2000 emissions test results are included in Attachment B.

In 2000, the Massachusetts I&M program used two different types of tailpipe tests for emissions:

- Transient Test on the Dynamometer
Many vehicles receive this test, which measures emissions during simulated on-road driving. The vehicle is “driven” by the inspector on a dynamometer (a kind of treadmill for cars) and exhaust gases are measured and recorded. Emissions levels for three pollutants HC (hydrocarbons), CO (Carbon Monoxide) and NOx (Oxides of Nitrogen) are recorded in grams per mile. The drive “trace” that the inspector follows is called “MA31.” It is a shorter and lower speed test than EPA’s standard test, IM240.
- Two Speed Idle (TSI)
Vehicles that cannot be tested on the dynamometer (like All Wheel Drive vehicles) and vehicles with a Gross Vehicle Weight Rating (GVWR) of greater than 10,000 pounds are given the TSI test which measures emissions when the vehicles are operated without a load.. In this test, a gasoline vehicle is operated at two different engine speeds, and exhaust gases are collected from the tailpipe. HC emissions levels are recorded in Parts Per Million, and CO emissions levels are recorded in Percent of standard volume. NOx is not measured on this test because unloaded vehicles produce virtually no NOx.

Table 3 summarizes the failure rates for tailpipe tests of emissions in Massachusetts for 2000:

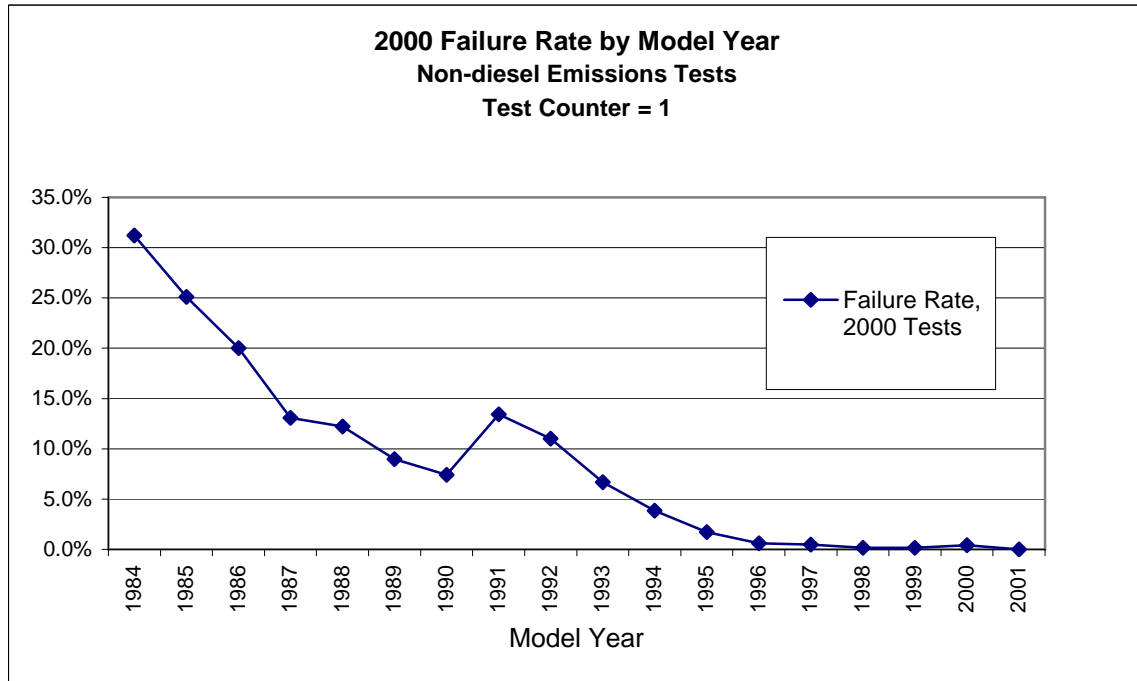
Table 3: 2000 Failure Rate for Tailpipe Tests

	Initial Emissions Failure Rate ⁵
	1984-2001 Model Year Vehicles
Gasoline-Fueled Vehicles	9.7%

Figure 1 shows 2000 emissions failure rates by model year for gasoline-fueled vehicles. As can be seen, the age of the vehicle has a significant impact on failure rate.

⁵ The emissions failure rates only consider tailpipe results, and do not take into account visual or gas cap failures.

Figure 1: 2000 Initial Test Failure Rate by Model Year



The Massachusetts I&M program is not designed to achieve a specific overall failure rate or a specific failure rate for any particular test or type of vehicle.

Visual Test Data

All vehicles receiving a TSI tailpipe emission inspection are also visually inspected to confirm that various emissions components, such as the catalytic converter, are present with no apparent tampering. If a vehicle fails the visual inspection, it fails the overall emissions test, even if the vehicle passed the tailpipe portion of the test.

Gas Cap Test Data

Gas caps are tested for most gasoline-fueled vehicles. If a vehicle fails the gas cap test, it fails the overall emissions test, even if the vehicle passed the tailpipe portion of the test.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Attachment A: Index of Report Pages Relevant to EPA Regulation Sections

Massachusetts Enhanced Inspection and Maintenance Program

December 2005

Rules

40 CFR 51.366 (a) (1), (2) & (5) Attachment B
40 CFR 51.366 (a) (3), (4) Attachment C
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Attachment B: Detailed 2000 Emissions Test Data

Massachusetts Enhanced Inspection and Maintenance Program

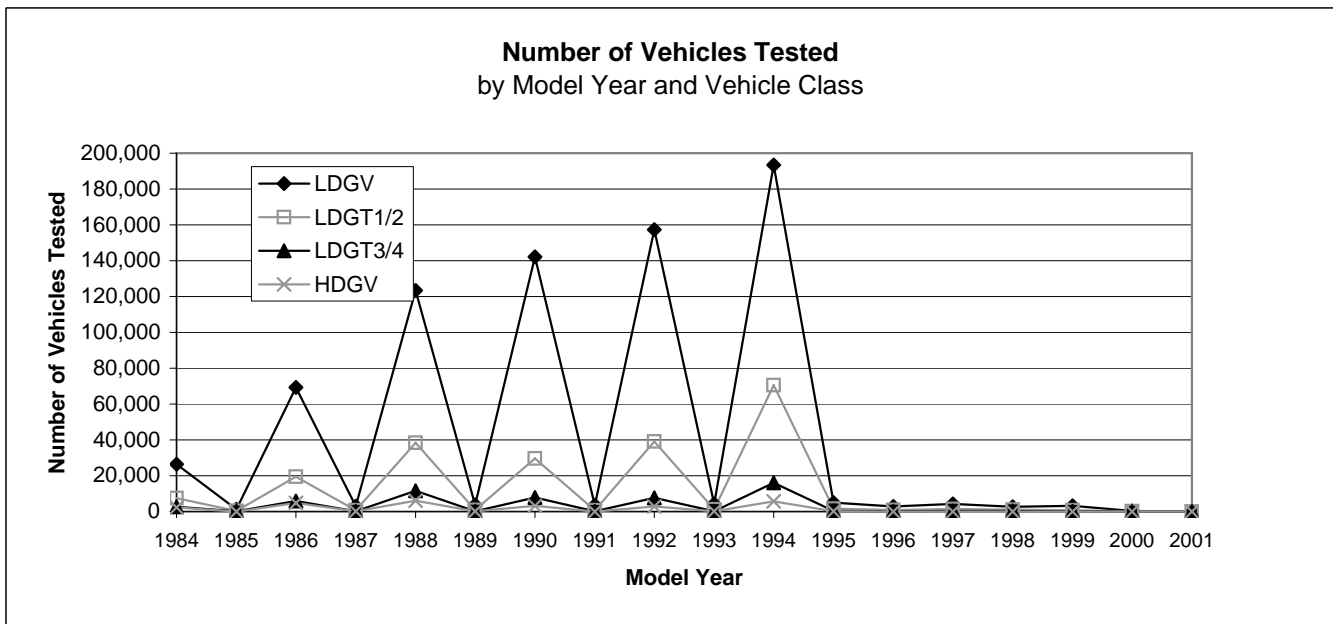
December 2005

2000 Massachusetts I&M Program Test Data

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

This is a count of unique VINs receiving an emissions test in 2000

MODEL YEAR	LDGV	LDGT1/2	LDGT3/4	HDGV	TOTAL
1984	26,386	7,462	2,696	2,295	38,839
1985	1,211	323	98	60	1,692
1986	69,200	19,520	5,866	4,778	99,364
1987	2,988	727	195	103	4,013
1988	123,419	38,417	11,555	6,150	179,541
1989	3,789	873	237	116	5,015
1990	142,098	29,645	7,894	3,127	182,764
1991	3,638	787	102	40	4,567
1992	157,285	39,168	7,674	2,929	207,056
1993	4,288	1,187	221	90	5,786
1994	193,475	70,541	15,988	5,738	285,742
1995	5,013	1,590	436	184	7,223
1996	2,882	963	236	48	4,129
1997	4,301	1,440	384	76	6,201
1998	2,616	1,144	358	49	4,167
1999	3,223	701	260	65	4,249
2000	336	106	34	19	495
2001	9	5	0	0	14
TOTAL	746,157	214,599	54,234	25,867	1,040,857



LDGV = Non-diesel fueled passenger cars <= 6,000 lbs. GVWR

LDGT1/2 = Non-diesel fueled trucks, motorhomes, and others <= 6,000 lbs. GVWR

LDGT3/4 = Non-diesel fueled trucks, motorhomes, and others > 6,000 and <= 8,500 lbs. GVWR

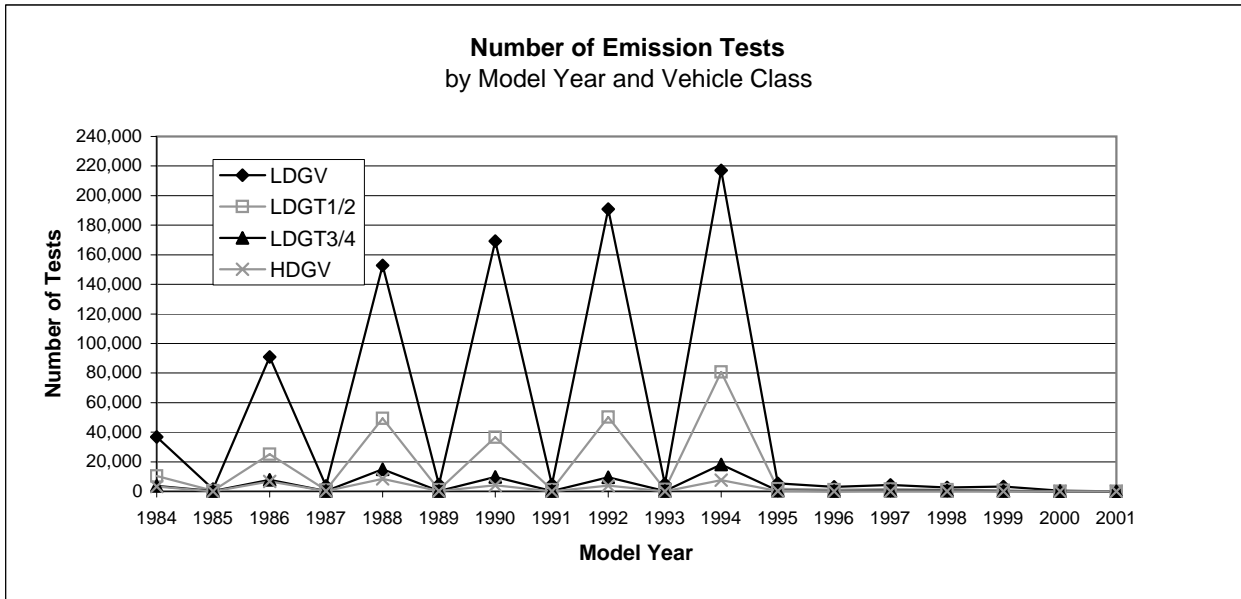
HDGV = Non-diesel fueled vehicles > 8,500 lbs. GVWR

2000 Massachusetts I&M Program Test Data

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

This is a count of total emissions tests performed in 2000

MODEL YEAR	LDGV	LDGT1/2	LDGT3/4	HDGV	TOTAL
1984	36,803	10,315	3,690	3,354	54,162
1985	1,538	407	138	81	2,164
1986	90,792	25,011	7,878	6,810	130,491
1987	3,724	884	255	134	4,997
1988	152,730	49,273	14,868	8,382	225,253
1989	4,482	1,084	299	153	6,018
1990	169,148	36,474	9,810	4,102	219,534
1991	4,484	981	116	53	5,634
1992	190,953	50,164	9,423	3,881	254,421
1993	4,923	1,351	257	108	6,639
1994	217,085	80,806	18,264	7,533	323,688
1995	5,328	1,699	459	230	7,716
1996	3,001	1,002	243	72	4,318
1997	4,428	1,490	400	93	6,411
1998	2,664	1,169	367	49	4,249
1999	3,250	716	264	69	4,299
2000	341	107	34	20	502
2001	9	5	0	0	14
TOTAL	895,683	262,938	66,765	35,124	1,260,510



LDGV = Non-diesel fueled passenger cars <= 6,000 lbs. GVWR

LDGT1/2 = Non-diesel fueled trucks, motorhomes, and others <= 6,000 lbs. GVWR

LDGT3/4 = Non-diesel fueled trucks, motorhomes, and others > 6,000 and <= 8,500 lbs. GVWR

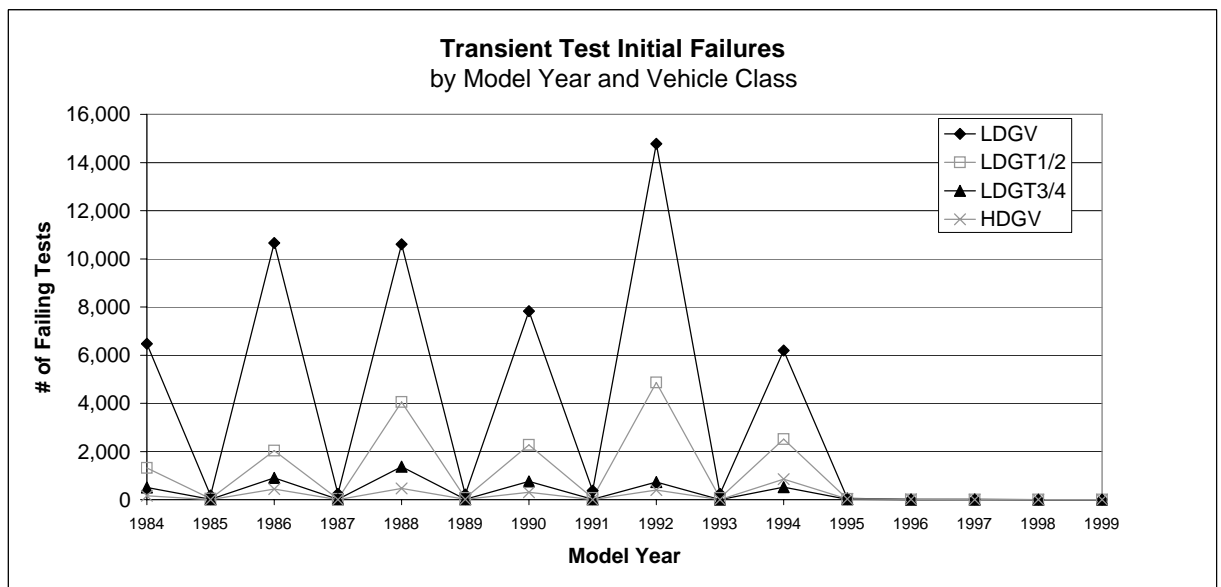
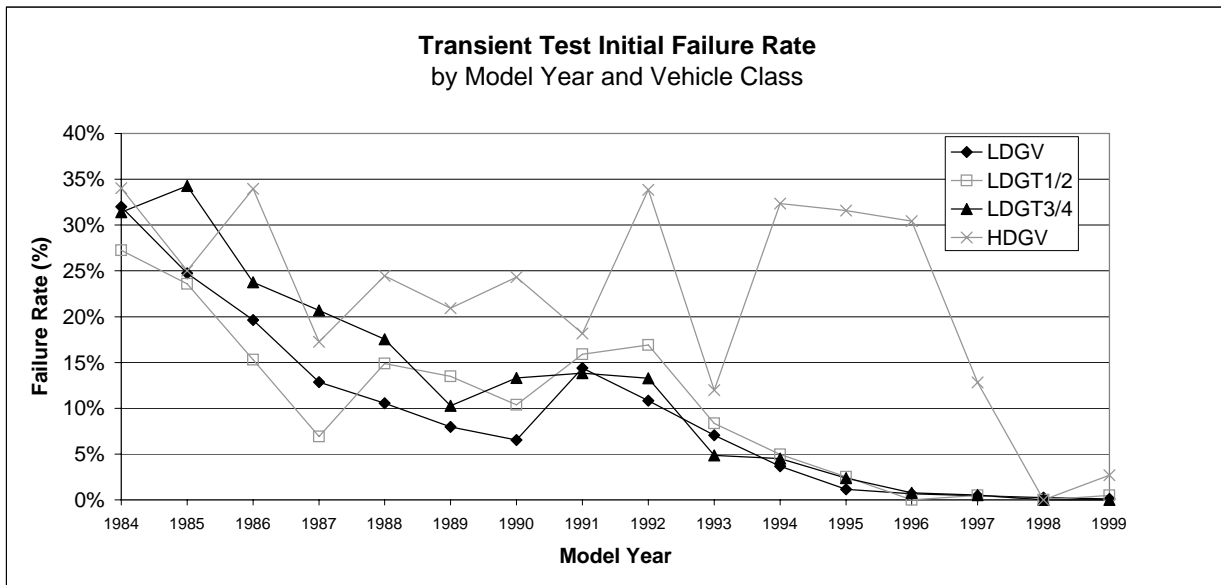
HDGV = Non-diesel fueled vehicles > 8,500 lbs. GVWR

2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(i) Initial Transient Tests Failing by model year and vehicle type

The transient test is for vehicles model year 1984 and newer, <=10,000 lbs. GVWR, and capable of two-wheel drive operation. Initial tests were considered those tests with Test Counter = 1.

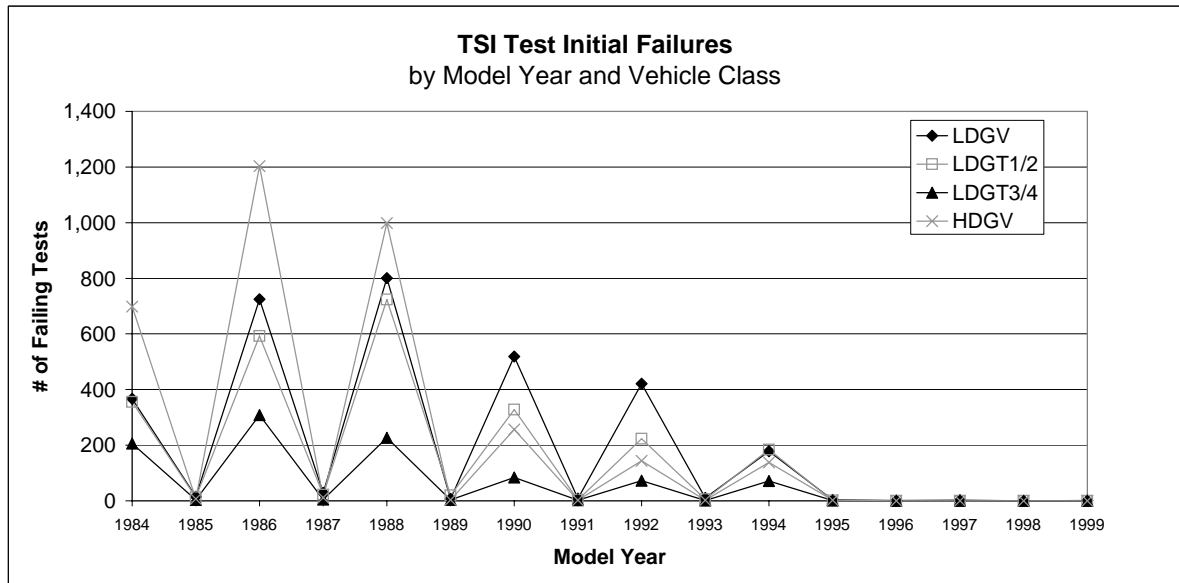
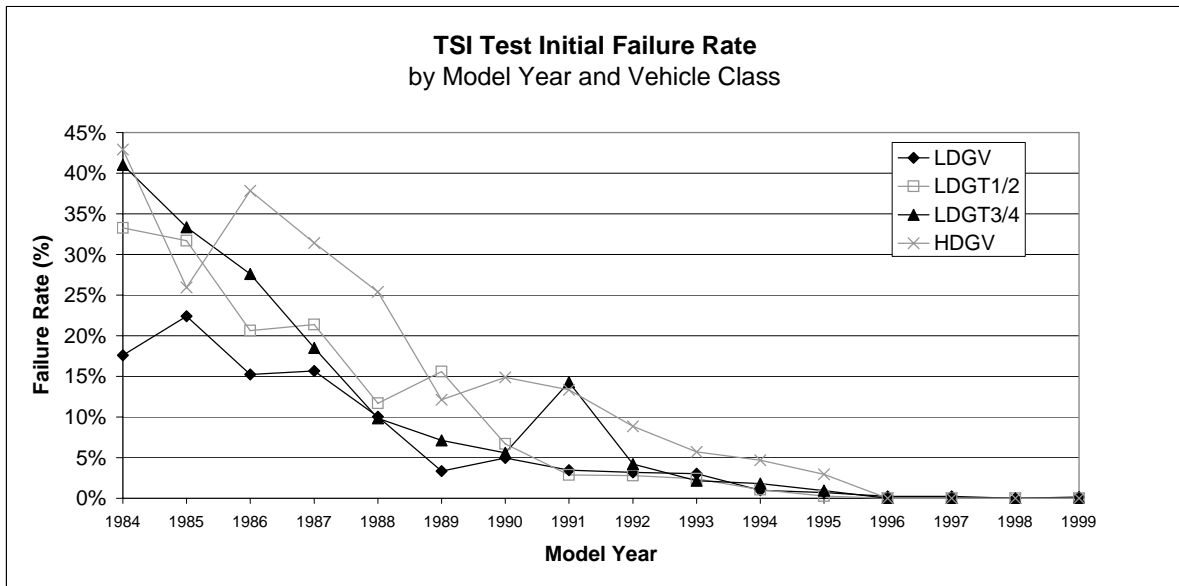
MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate
1984	6,475	20,232	32.0%	1,310	4,807	27.3%	511	1,627	31.4%	165	485	34.0%	8,461	27,151	31.2%
1985	179	724	24.7%	37	157	23.6%	12	35	34.3%	2	8	25.0%	230	924	24.9%
1986	10,659	54,329	19.6%	2,030	13,277	15.3%	910	3,828	23.8%	445	1,310	34.0%	14,044	72,744	19.3%
1987	242	1,881	12.9%	27	391	6.9%	18	87	20.7%	5	29	17.2%	292	2,388	12.2%
1988	10,599	100,420	10.6%	4,059	27,271	14.9%	1,369	7,814	17.5%	471	1,926	24.5%	16,498	137,431	12.0%
1989	207	2,604	7.9%	67	497	13.5%	12	117	10.3%	9	43	20.9%	295	3,261	9.0%
1990	7,827	119,715	6.5%	2,271	21,909	10.4%	761	5,712	13.3%	309	1,270	24.3%	11,168	148,606	7.5%
1991	370	2,571	14.4%	71	447	15.9%	9	65	13.8%	2	11	18.2%	452	3,094	14.6%
1992	14,773	136,563	10.8%	4,869	28,786	16.9%	728	5,486	13.3%	403	1,190	33.9%	20,773	172,025	12.1%
1993	234	3,309	7.1%	60	720	8.3%	6	124	4.8%	3	25	12.0%	303	4,178	7.3%
1994	6,195	169,145	3.7%	2,516	50,738	5.0%	521	11,565	4.5%	856	2,647	32.3%	10,088	234,095	4.3%
1995	47	4,041	1.2%	27	1,079	2.5%	7	295	2.4%	24	76	31.6%	105	5,491	1.9%
1996	16	2,426	0.7%	0	640	0.0%	1	132	0.8%	7	23	30.4%	24	3,221	0.7%
1997	16	3,440	0.5%	4	817	0.5%	1	195	0.5%	5	39	12.8%	26	4,491	0.6%
1998	5	2,113	0.2%	0	660	0.0%	0	185	0.0%	0	26	0.0%	5	2,984	0.2%
1999	3	2,607	0.1%	2	396	0.5%	0	133	0.0%	1	37	2.7%	6	3,173	0.2%
2000	2	249	0.8%	0	39	0.0%	0	6	0.0%	0	10	0.0%	2	304	0.7%
2001	0	4	0.0%	0	4	0.0%	0	0	NA	0	0	NA	0	8	0.0%
TOTAL	57,849	626,373	9.2%	17,350	152,635	11.4%	4,866	37,406	13.0%	2,707	9,155	29.6%	82,772	825,569	10.0%



2000 Massachusetts I&M Program Test Data
 51.366 (a)(2)(i) Initial TSI Tests Failing by model year and vehicle type

The two-speed idle (TSI) test is for vehicles model year 1984 and newer >10,000 lbs. GVWR and for any vehicles <=10,000 lbs. GVWR that could not be tested on the dynamometer. Initial tests were considered those tests with Test Counter = 1.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate
1984	367	2,084	17.6%	355	1,067	33.3%	206	502	41.0%	698	1,626	42.9%	1,626	5,279	30.8%
1985	15	67	22.4%	13	41	31.7%	4	12	33.3%	7	27	25.9%	39	147	26.5%
1986	725	4,759	15.2%	593	2,872	20.6%	308	1,116	27.6%	1,203	3,181	37.8%	2,829	11,928	23.7%
1987	29	185	15.7%	22	103	21.4%	5	27	18.5%	11	35	31.4%	67	350	19.1%
1988	801	7,991	10.0%	724	6,190	11.7%	227	2,307	9.8%	998	3,933	25.4%	2,750	20,421	13.5%
1989	7	208	3.4%	19	122	15.6%	3	42	7.1%	4	33	12.1%	33	405	8.1%
1990	519	10,471	5.0%	328	4,912	6.7%	84	1,500	5.6%	256	1,722	14.9%	1,187	18,605	6.4%
1991	8	232	3.4%	4	139	2.9%	2	14	14.3%	2	15	13.3%	16	400	4.0%
1992	421	13,202	3.2%	223	7,941	2.8%	73	1,736	4.2%	144	1,622	8.9%	861	24,501	3.5%
1993	10	332	3.0%	6	249	2.4%	1	46	2.2%	2	35	5.7%	19	662	2.9%
1994	178	18,379	1.0%	184	17,331	1.1%	71	3,928	1.8%	138	2,946	4.7%	571	42,584	1.3%
1995	4	559	0.7%	1	361	0.3%	1	104	1.0%	2	68	2.9%	8	1,092	0.7%
1996	1	403	0.2%	0	298	0.0%	0	97	0.0%	0	21	0.0%	1	819	0.1%
1997	2	796	0.3%	0	595	0.0%	0	182	0.0%	0	34	0.0%	2	1,607	0.1%
1998	0	483	0.0%	0	471	0.0%	0	170	0.0%	0	23	0.0%	0	1,147	0.0%
1999	1	606	0.2%	0	301	0.0%	0	127	0.0%	0	27	0.0%	1	1,061	0.1%
2000	0	86	0.0%	0	66	0.0%	0	28	0.0%	0	9	0.0%	0	189	0.0%
2001	0	5	0.0%	0	1	0.0%	0	0	NA	0	0	NA	0	6	0.0%
TOTAL	3,088	60,848	5.1%	2,472	43,060	5.7%	985	11,938	8.3%	3,465	15,357	22.6%	10,010	131,203	7.6%

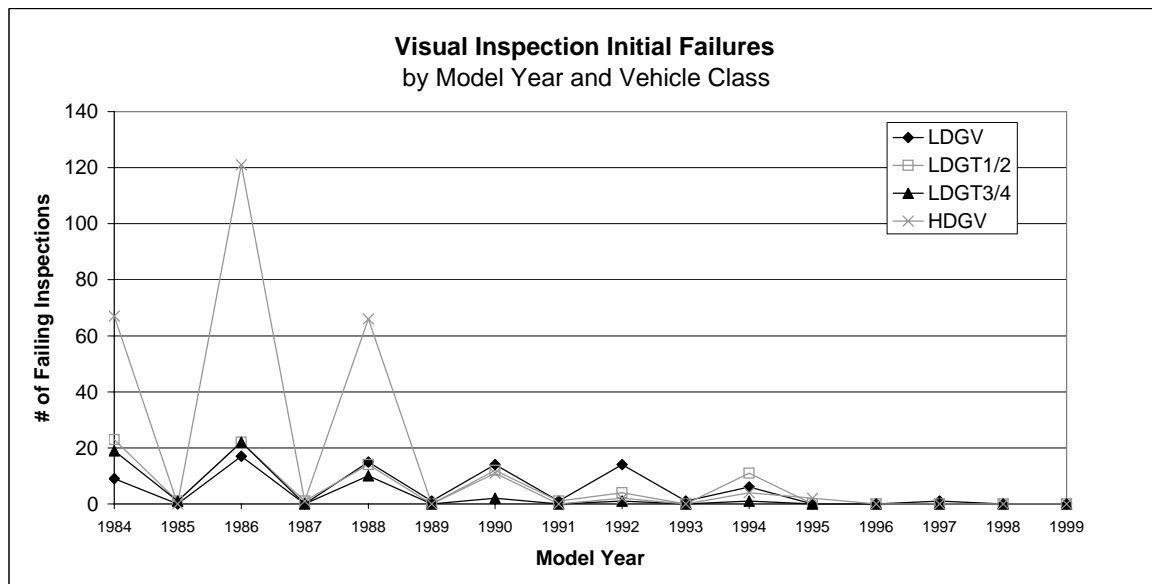
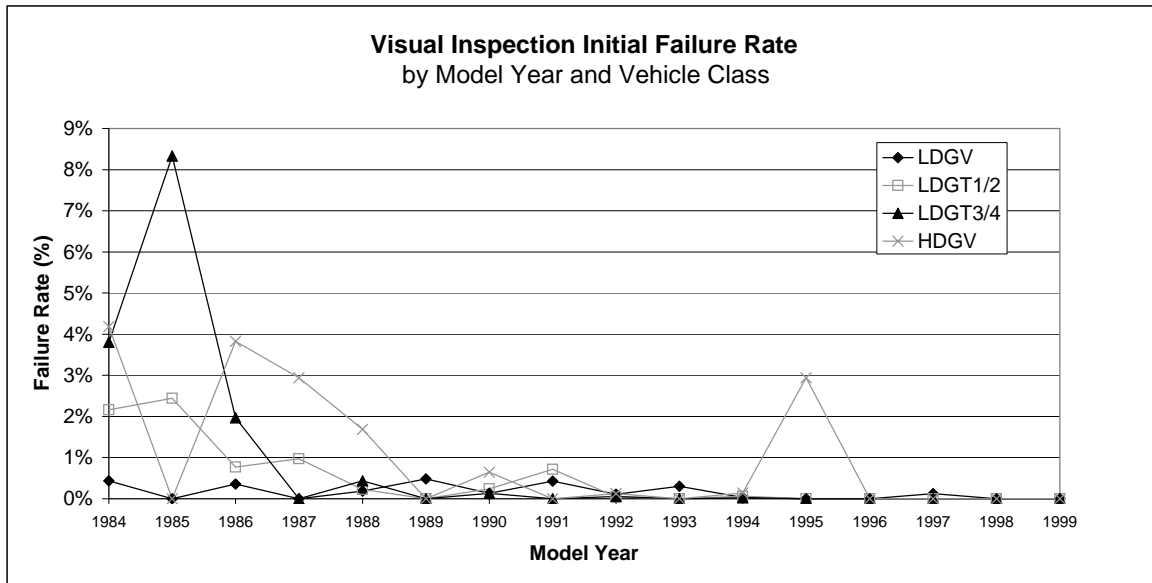


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(i) Initial Visual Inspection Failing by model year and vehicle type

The Visual Inspection is performed on a vehicle any time there is a Two-Speed_Idle (TSI) test. The Visual Inspections checks for that key emission control equipment is present and there are no signs of tampering. The Visual Inspection includes checks for catalyst, PCV valve, EGR system, and air pump or air injection systems. Initial tests were considered those tests with Test Counter = 1.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate
1984	9	2,078	0.4%	23	1,062	2.2%	19	499	3.8%	67	1,601	4.2%	118	5,240	2.3%
1985	0	67	0.0%	1	41	2.4%	1	12	8.3%	0	27	0.0%	2	147	1.4%
1986	17	4,753	0.4%	22	2,870	0.8%	22	1,116	2.0%	121	3,159	3.8%	182	11,898	1.5%
1987	0	185	0.0%	1	103	1.0%	0	27	0.0%	1	34	2.9%	2	349	0.6%
1988	15	7,987	0.2%	14	6,188	0.2%	10	2,306	0.4%	66	3,912	1.7%	105	20,393	0.5%
1989	1	208	0.5%	0	122	0.0%	0	42	0.0%	0	33	0.0%	1	405	0.2%
1990	14	10,459	0.1%	12	4,906	0.2%	2	1,499	0.1%	11	1,705	0.6%	39	18,569	0.2%
1991	1	232	0.4%	1	139	0.7%	0	14	0.0%	0	15	0.0%	2	400	0.5%
1992	14	13,185	0.1%	4	7,936	0.1%	1	1,736	0.1%	2	1,608	0.1%	21	24,465	0.1%
1993	1	331	0.3%	0	249	0.0%	0	46	0.0%	0	35	0.0%	1	661	0.2%
1994	6	18,358	0.0%	11	17,325	0.1%	1	3,925	0.0%	4	2,916	0.1%	22	42,524	0.1%
1995	0	558	0.0%	0	361	0.0%	0	104	0.0%	2	68	2.9%	2	1,091	0.2%
1996	0	403	0.0%	0	298	0.0%	0	97	0.0%	0	21	0.0%	0	819	0.0%
1997	1	796	0.1%	0	594	0.0%	0	181	0.0%	0	34	0.0%	1	1,605	0.1%
1998	0	483	0.0%	0	470	0.0%	0	170	0.0%	0	23	0.0%	0	1,146	0.0%
1999	0	606	0.0%	0	301	0.0%	0	127	0.0%	0	27	0.0%	0	1,061	0.0%
2000	0	86	0.0%	0	66	0.0%	0	27	0.0%	0	9	0.0%	0	188	0.0%
2001	0	5	0.0%	0	1	0.0%	0	0	NA	0	0	NA	0	6	0.0%
TOTAL	79	60,780	0.1%	89	43,032	0.2%	56	11,928	0.5%	274	15,227	1.8%	498	130,967	0.4%

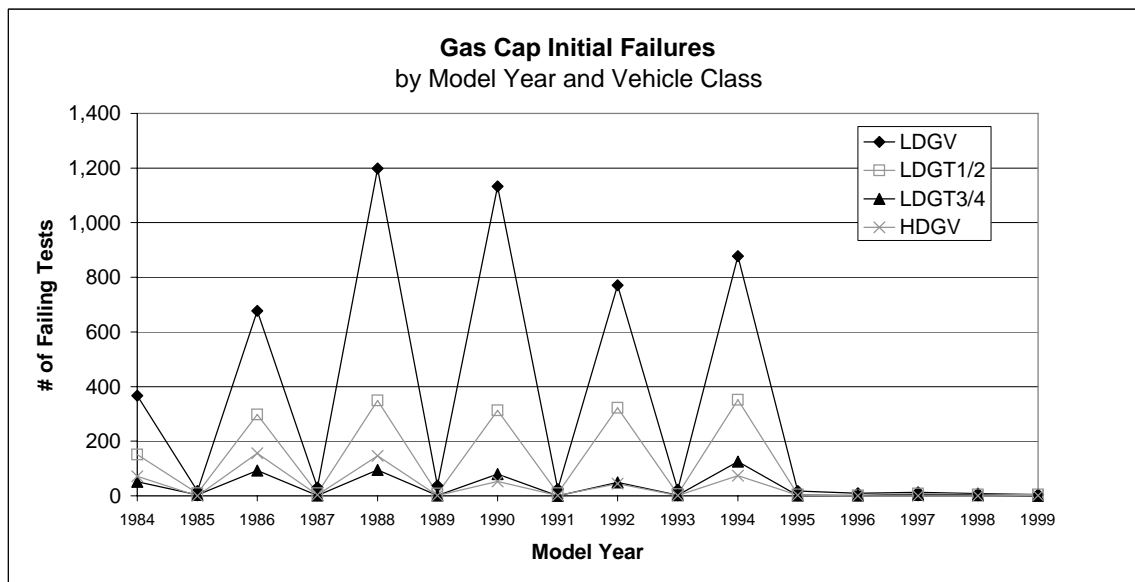
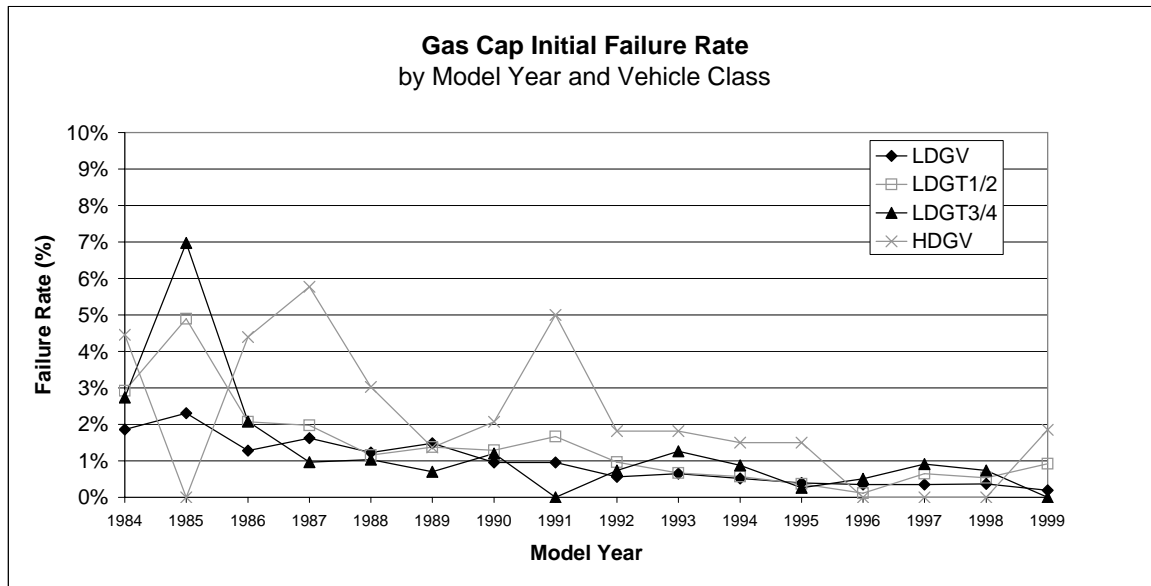


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(i) Initial Gas Cap Tests Failing by model year and vehicle type

The gas cap functional test is performed on all vehicles receiving an emissions test that have gas caps compatible with the 10 different style gas cap adaptor in the I&M program. The gas cap fails if it leaks more than 60 cubic centimeters per minute (cc/min) at a pressure of 30 inches of water. Initial tests were considered those tests with Test Counter = 1.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate
1984	367	19,754	1.9%	151	5,176	2.9%	52	1,900	2.7%	72	1,616	4.5%	642	28,446	2.3%
1985	17	736	2.3%	9	184	4.9%	3	43	7.0%	0	25	0.0%	29	988	2.9%
1986	677	52,930	1.3%	297	14,347	2.1%	93	4,476	2.1%	156	3,552	4.4%	1,223	75,305	1.6%
1987	31	1,910	1.6%	9	456	2.0%	1	104	1.0%	3	52	5.8%	44	2,522	1.7%
1988	1,199	97,533	1.2%	349	30,180	1.2%	95	9,203	1.0%	146	4,830	3.0%	1,789	141,746	1.3%
1989	38	2,569	1.5%	8	581	1.4%	1	142	0.7%	1	73	1.4%	48	3,365	1.4%
1990	1,133	118,040	1.0%	313	24,237	1.3%	80	6,638	1.2%	53	2,559	2.1%	1,579	151,474	1.0%
1991	25	2,615	1.0%	9	540	1.7%	0	77	0.0%	1	20	5.0%	35	3,252	1.1%
1992	771	136,604	0.6%	322	33,504	1.0%	49	6,633	0.7%	44	2,422	1.8%	1,186	179,163	0.7%
1993	22	3,394	0.6%	6	905	0.7%	2	158	1.3%	1	55	1.8%	31	4,512	0.7%
1994	878	171,025	0.5%	352	62,000	0.6%	125	14,263	0.9%	74	4,923	1.5%	1,429	252,211	0.6%
1995	17	4,297	0.4%	5	1,348	0.4%	1	375	0.3%	2	133	1.5%	25	6,153	0.4%
1996	9	2,568	0.4%	1	868	0.1%	1	198	0.5%	0	38	0.0%	11	3,672	0.3%
1997	13	3,750	0.3%	8	1,238	0.6%	3	328	0.9%	0	66	0.0%	24	5,382	0.4%
1998	8	2,187	0.4%	5	935	0.5%	2	272	0.7%	0	41	0.0%	15	3,435	0.4%
1999	5	2,628	0.2%	5	541	0.9%	0	207	0.0%	1	54	1.9%	11	3,430	0.3%
2000	0	259	0.0%	0	71	0.0%	0	20	0.0%	1	13	7.7%	1	363	0.3%
2001	0	5	0.0%	0	3	0.0%	0	0	NA	0	0	NA	0	8	0.0%
TOTAL	5,210	622,804	0.8%	1,849	177,114	1.0%	508	45,037	1.1%	555	20,472	2.7%	8,122	865,427	0.9%

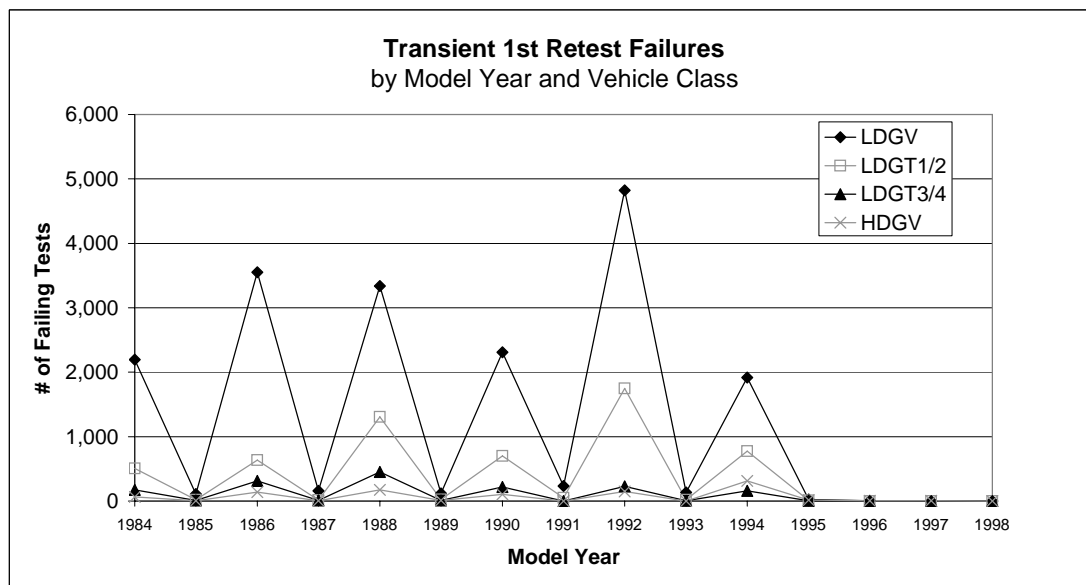
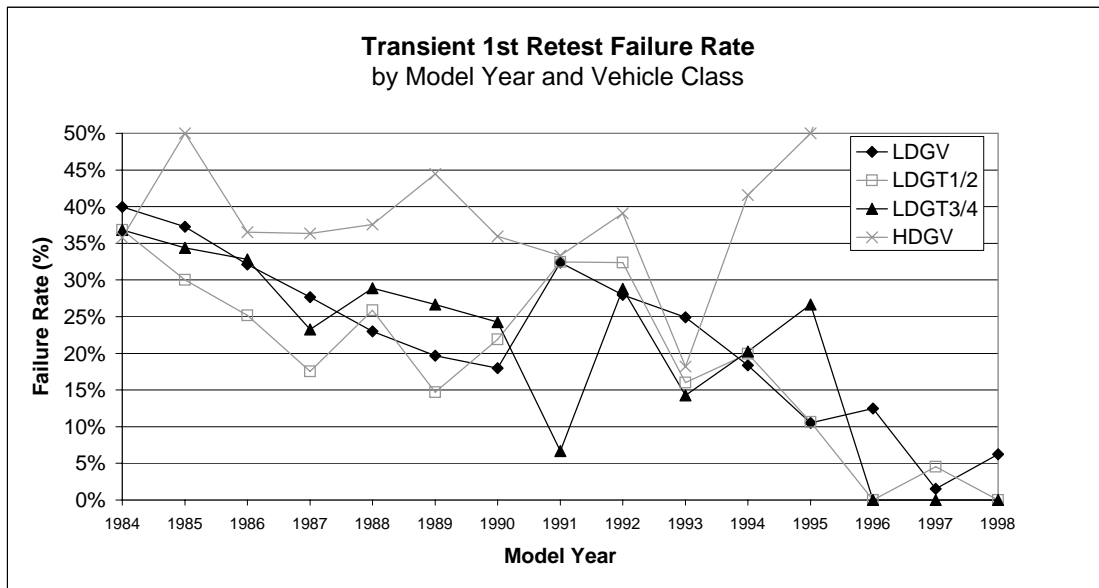


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(ii) Transient 1st Retests Failing by model year and vehicle type

Any vehicles receiving a transient test with test counter = 2 were considered 1st transient retests. This would include those vehicles that failed the initial test (test counter = 1) for a safety item that made the vehicle unsafe to test on the dynamometer. This is why there are more transient 1st retests than initial transient failures.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate
1984	2,197	5,495	40.0%	508	1,379	36.8%	172	467	36.8%	63	176	35.8%	2,940	7,517	39.1%
1985	108	290	37.2%	21	70	30.0%	11	32	34.4%	4	8	50.0%	144	400	36.0%
1986	3,549	11,054	32.1%	634	2,517	25.2%	312	951	32.8%	137	375	36.5%	4,632	14,897	31.1%
1987	159	575	27.7%	17	97	17.5%	10	43	23.3%	4	11	36.4%	190	726	26.2%
1988	3,339	14,531	23.0%	1,304	5,041	25.9%	453	1,568	28.9%	175	466	37.6%	5,271	21,606	24.4%
1989	118	600	19.7%	25	170	14.7%	12	45	26.7%	8	18	44.4%	163	833	19.6%
1990	2,309	12,849	18.0%	699	3,193	21.9%	218	899	24.2%	105	292	36.0%	3,331	17,233	19.3%
1991	231	714	32.4%	49	151	32.5%	1	15	6.7%	1	3	33.3%	282	883	31.9%
1992	4,824	17,248	28.0%	1,747	5,396	32.4%	228	792	28.8%	149	381	39.1%	6,948	23,817	29.2%
1993	136	546	24.9%	21	131	16.0%	4	28	14.3%	2	11	18.2%	163	716	22.8%
1994	1,916	10,423	18.4%	774	3,886	19.9%	159	785	20.3%	311	748	41.6%	3,160	15,842	19.9%
1995	24	228	10.5%	8	75	10.7%	4	15	26.7%	15	30	50.0%	51	348	14.7%
1996	7	56	12.5%	0	20	0.0%	0	6	0.0%	5	7	71.4%	12	89	13.5%
1997	1	66	1.5%	1	22	4.5%	0	9	0.0%	6	6	100.0%	8	103	7.8%
1998	1	16	6.3%	0	7	0.0%	0	3	0.0%	0	0	NA	1	26	3.8%
1999	0	6	0.0%	0	5	0.0%	0	0	NA	1	2	50.0%	1	13	7.7%
2000	1	3	33.3%	0	1	0.0%	0	0	NA	0	1	0.0%	1	5	20.0%
2001	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
TOTAL	18,920	74,700	25.3%	5,808	22,161	26.2%	1,584	5,658	28.0%	986	2,535	38.9%	27,298	105,054	26.0%

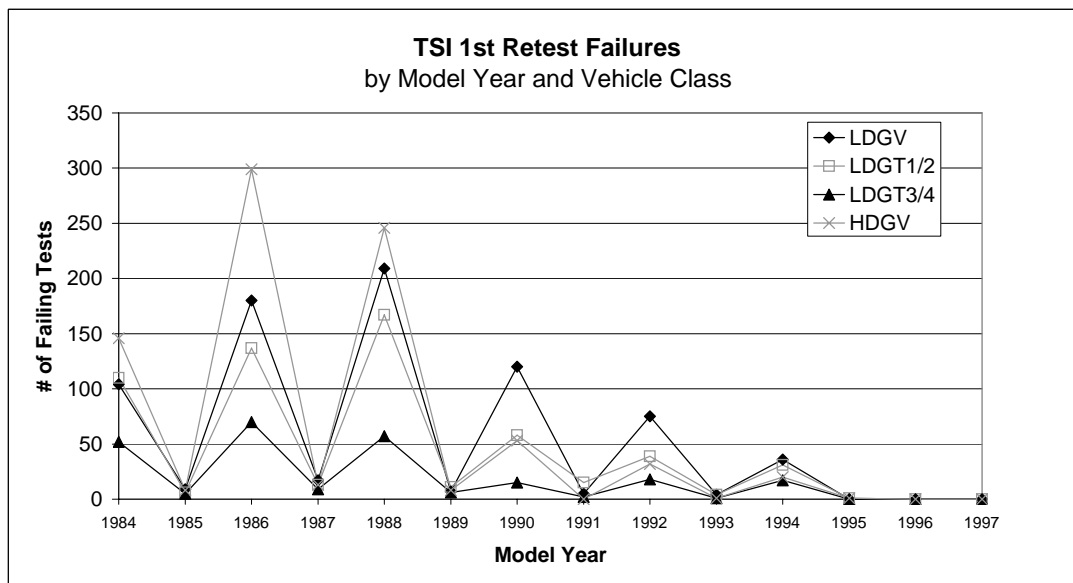
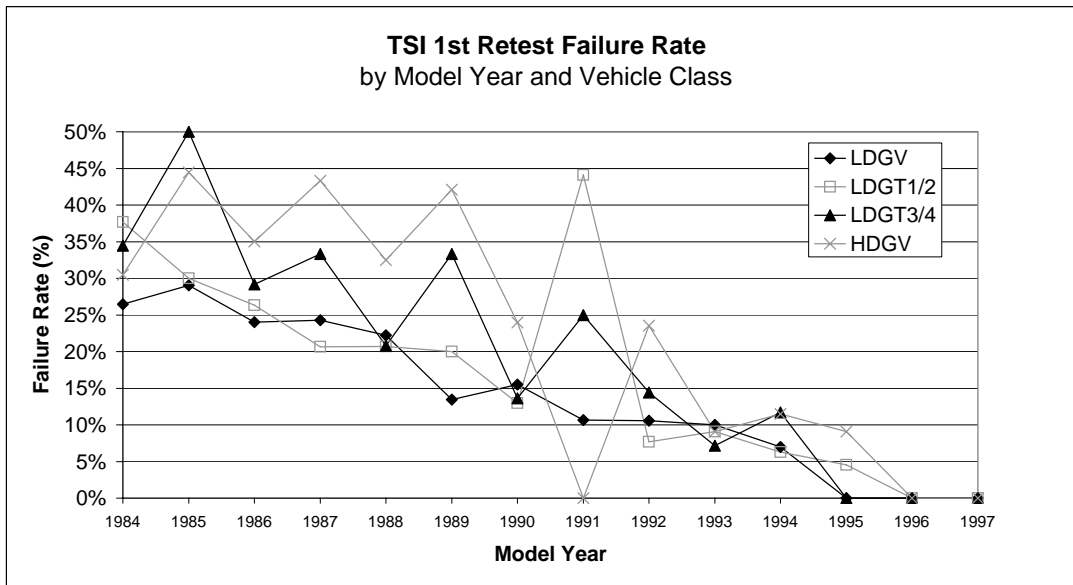


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(ii) TSI 1st Retests Failing by model year and vehicle type

Any vehicles receiving a TSI test with test counter = 2 were considered 1st TSI retests.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate
1984	104	393	26.5%	110	292	37.7%	52	151	34.4%	146	479	30.5%	412	1,315	31.3%
1985	9	31	29.0%	6	20	30.0%	5	10	50.0%	8	18	44.4%	28	79	35.4%
1986	180	749	24.0%	137	520	26.3%	70	240	29.2%	299	854	35.0%	686	2,363	29.0%
1987	17	70	24.3%	13	63	20.6%	9	27	33.3%	13	30	43.3%	52	190	27.4%
1988	209	940	22.2%	167	807	20.7%	57	274	20.8%	246	757	32.5%	679	2,778	24.4%
1989	7	52	13.5%	11	55	20.0%	6	18	33.3%	8	19	42.1%	32	144	22.2%
1990	120	774	15.5%	58	447	13.0%	15	110	13.6%	53	221	24.0%	246	1,552	15.9%
1991	5	47	10.6%	15	34	44.1%	2	8	25.0%	0	7	0.0%	22	96	22.9%
1992	75	709	10.6%	39	507	7.7%	18	125	14.4%	32	136	23.5%	164	1,477	11.1%
1993	4	40	10.0%	4	44	9.1%	1	14	7.1%	1	11	9.1%	10	109	9.2%
1994	36	514	7.0%	31	492	6.3%	17	145	11.7%	20	174	11.5%	104	1,325	7.8%
1995	0	35	0.0%	1	22	4.5%	0	9	0.0%	1	11	9.1%	2	77	2.6%
1996	0	8	0.0%	0	1	0.0%	0	0	NA	0	1	0.0%	0	10	0.0%
1997	0	11	0.0%	0	8	0.0%	0	2	0.0%	0	1	0.0%	0	22	0.0%
1998	0	4	0.0%	0	5	0.0%	0	0	NA	0	0	NA	0	9	0.0%
1999	0	4	0.0%	0	1	0.0%	0	1	0.0%	0	0	NA	0	6	0.0%
2000	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
2001	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
TOTAL	766	4,381	17.5%	592	3,318	17.8%	252	1,134	22.2%	827	2,719	30.4%	2,437	11,552	21.1%

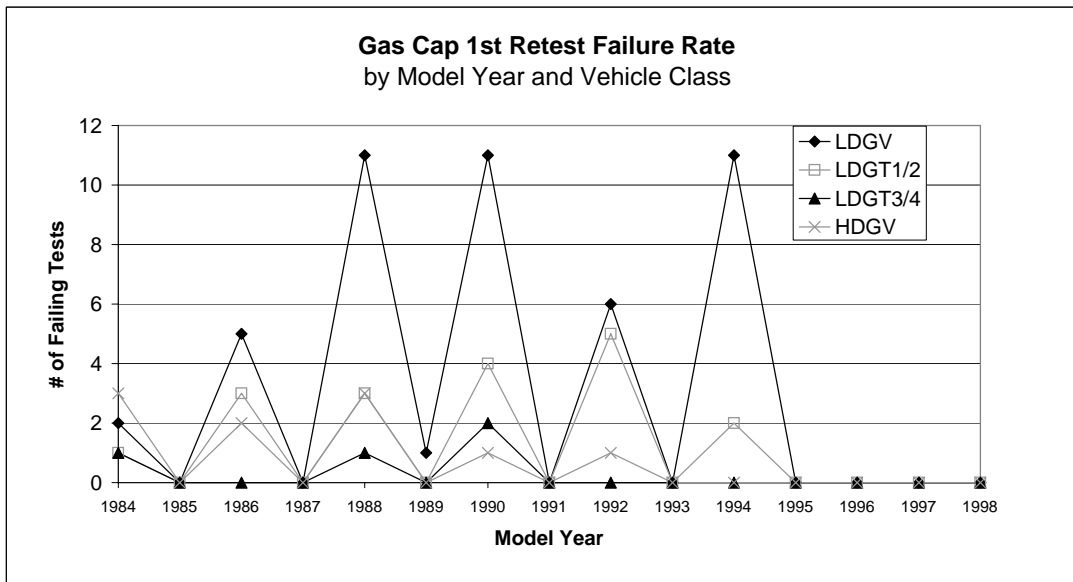
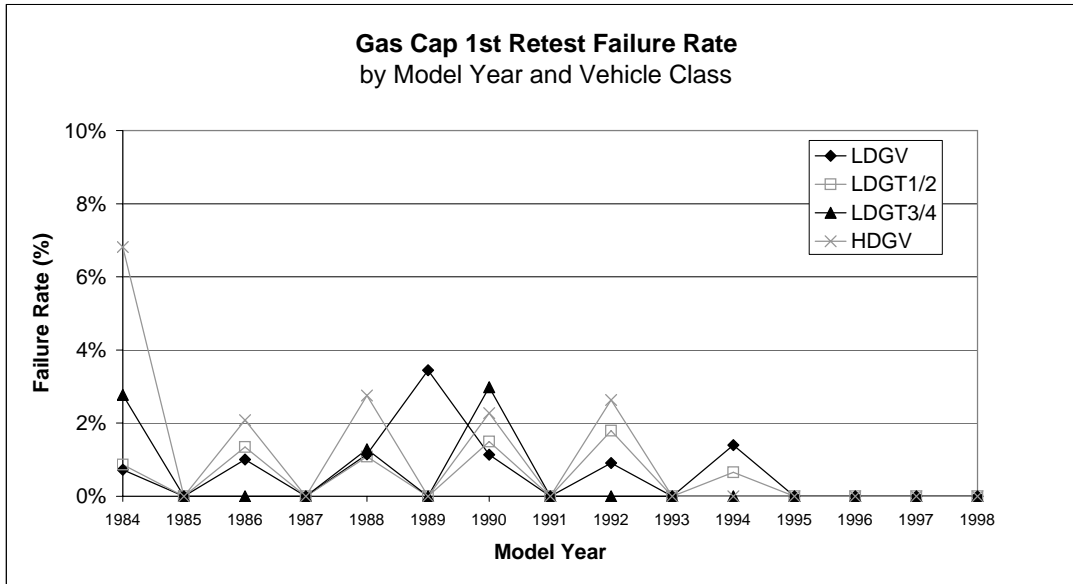


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(ii) Gas Cap 1st Retests Failing by model year and vehicle type

Any vehicles receiving a Gas Cap test with test counter = 2 were considered 1st Gas Cap retests.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate	Failed	Tested	Fail Rate
1984	2	276	0.7%	1	116	0.9%	1	36	2.8%	3	44	6.8%	7	472	1.5%
1985	0	10	0.0%	0	7	0.0%	0	2	0.0%	0	0	N/A	0	19	0.0%
1986	5	498	1.0%	3	222	1.4%	0	69	0.0%	2	96	2.1%	10	885	1.1%
1987	0	17	0.0%	0	6	0.0%	0	0	N/A	0	1	0.0%	0	24	0.0%
1988	11	960	1.1%	3	276	1.1%	1	78	1.3%	3	109	2.8%	18	1,423	1.3%
1989	1	29	3.4%	0	7	0.0%	0	0	N/A	0	0	N/A	1	36	2.8%
1990	11	968	1.1%	4	267	1.5%	2	67	3.0%	1	44	2.3%	18	1,346	1.3%
1991	0	21	0.0%	0	7	0.0%	0	0	N/A	0	1	0.0%	0	29	0.0%
1992	6	660	0.9%	5	279	1.8%	0	47	0.0%	1	38	2.6%	12	1,024	1.2%
1993	0	16	0.0%	0	4	0.0%	0	2	0.0%	0	1	0.0%	0	23	0.0%
1994	11	786	1.4%	2	304	0.7%	0	114	0.0%	0	61	0.0%	13	1,265	1.0%
1995	0	14	0.0%	0	3	0.0%	0	1	0.0%	0	2	0.0%	0	20	0.0%
1996	0	8	0.0%	0	1	0.0%	0	1	0.0%	0	0	NA	0	10	0.0%
1997	0	12	0.0%	0	5	0.0%	0	3	0.0%	0	0	NA	0	20	0.0%
1998	0	7	0.0%	0	6	0.0%	0	2	0.0%	0	0	NA	0	15	0.0%
1999	0	5	0.0%	0	4	0.0%	0	0	NA	0	1	0.0%	0	10	0.0%
2000	0	0	NA	0	0	NA	0	0	NA	0	1	0.0%	0	1	0.0%
2001	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
TOTAL	47	4,287	1.1%	18	1,514	1.2%	4	422	0.9%	10	399	2.5%	79	6,622	1.2%

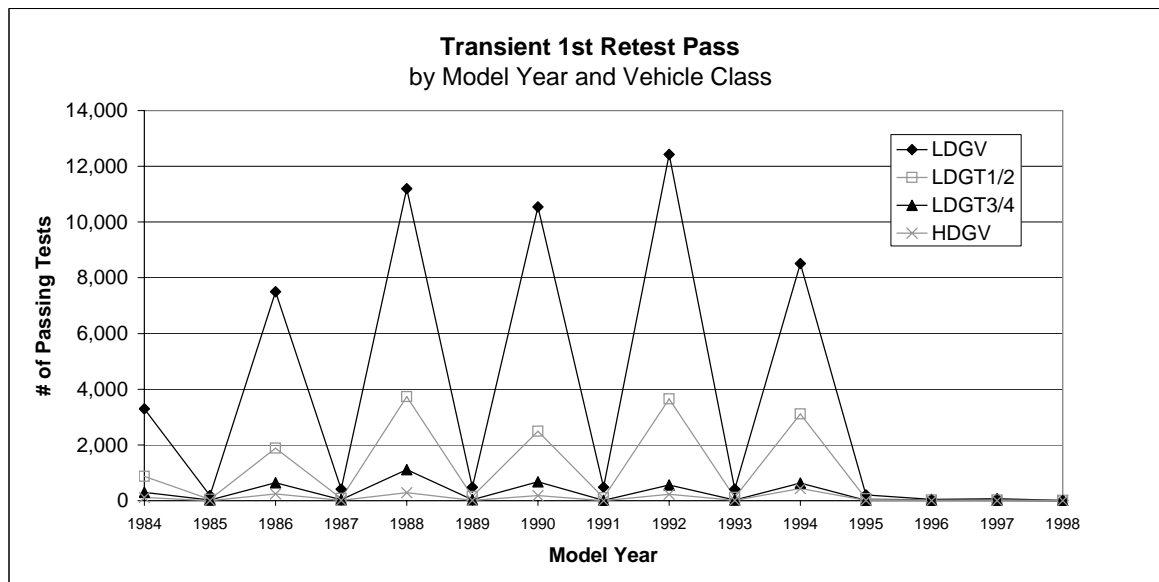
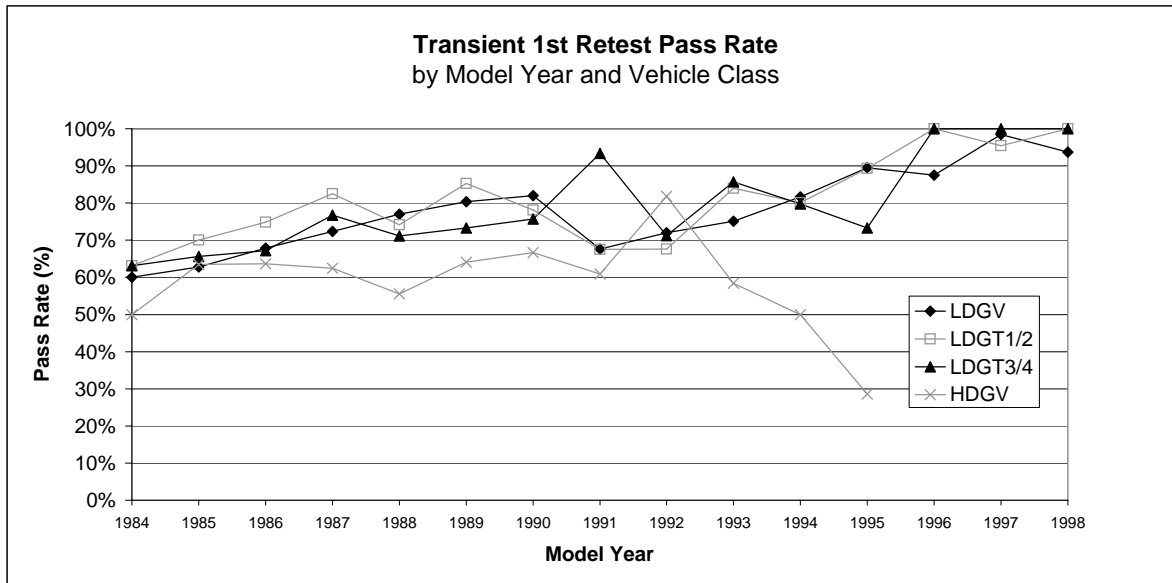


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(iii) Transient 1st Retests Passing by model year and vehicle type

Any vehicles receiving a transient test with test counter = 2 were considered 1st transient retests. This would include those vehicles that failed the initial test (test counter = 1) for a safety item that made the vehicle unsafe to test on the dynamometer. This is why there are more transient 1st retests than initial transient failures.

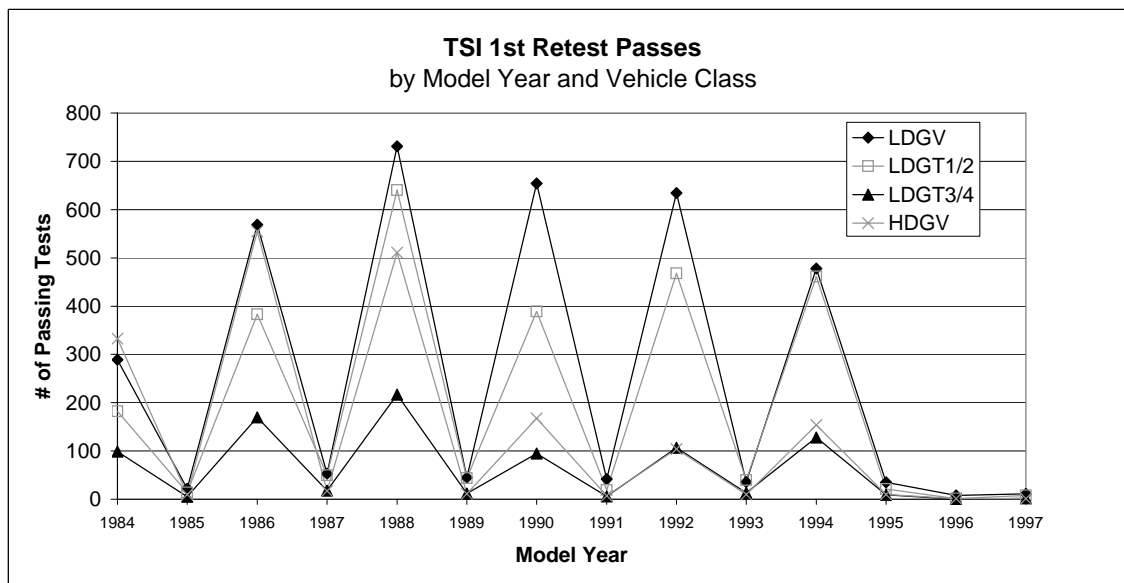
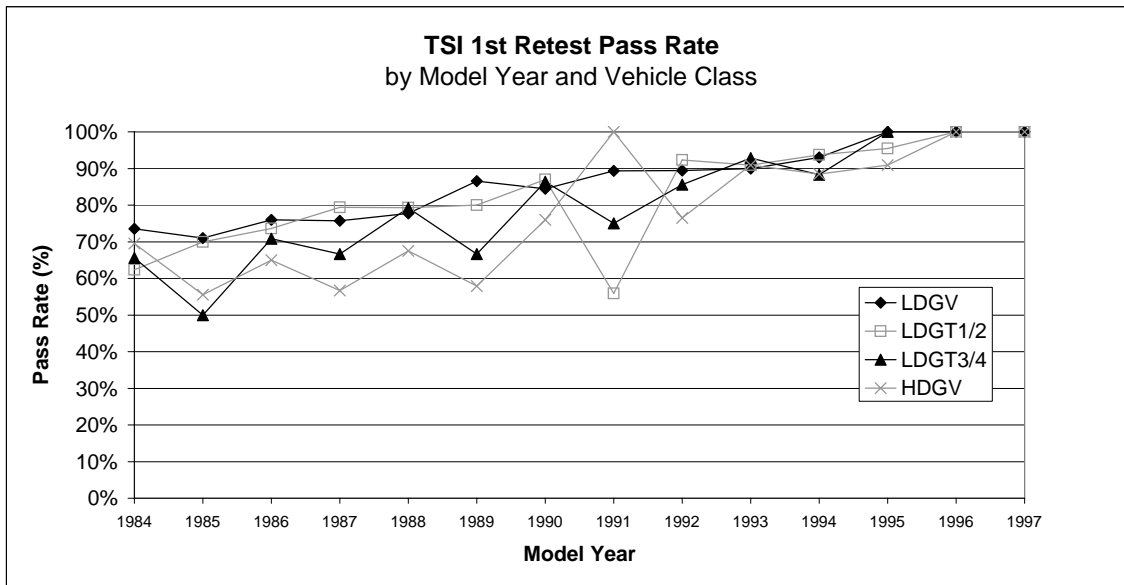
MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate
1984	3,298	5,495	60.0%	871	1,379	63.2%	295	467	63.2%	113	176	64.2%	4,577	7,517	60.9%
1985	182	290	62.8%	49	70	70.0%	21	32	65.6%	4	8	50.0%	256	400	64.0%
1986	7,505	11,054	67.9%	1,883	2,517	74.8%	639	951	67.2%	238	375	63.5%	10,265	14,897	68.9%
1987	416	575	72.3%	80	97	82.5%	33	43	76.7%	7	11	63.6%	536	726	73.8%
1988	11,192	14,531	77.0%	3,737	5,041	74.1%	1,115	1,568	71.1%	291	466	62.4%	16,335	21,606	75.6%
1989	482	600	80.3%	145	170	85.3%	33	45	73.3%	10	18	55.6%	670	833	80.4%
1990	10,540	12,849	82.0%	2,494	3,193	78.1%	681	899	75.8%	187	292	64.0%	13,902	17,233	80.7%
1991	483	714	67.6%	102	151	67.5%	14	15	93.3%	2	3	66.7%	601	883	68.1%
1992	12,424	17,248	72.0%	3,649	5,396	67.6%	564	792	71.2%	232	381	60.9%	16,869	23,817	70.8%
1993	410	546	75.1%	110	131	84.0%	24	28	85.7%	9	11	81.8%	553	716	77.2%
1994	8,507	10,423	81.6%	3,112	3,886	80.1%	626	785	79.7%	437	748	58.4%	12,682	15,842	80.1%
1995	204	228	89.5%	67	75	89.3%	11	15	73.3%	15	30	50.0%	297	348	85.3%
1996	49	56	87.5%	20	20	100.0%	6	6	100.0%	2	7	28.6%	77	89	86.5%
1997	65	66	98.5%	21	22	95.5%	9	9	100.0%	0	6	0.0%	95	103	92.2%
1998	15	16	93.8%	7	7	100.0%	3	3	100.0%	0	0	NA	25	26	96.2%
1999	6	6	100.0%	5	5	100.0%	0	0	NA	1	2	50.0%	12	13	92.3%
2000	2	3	66.7%	1	1	100.0%	0	0	NA	1	1	100.0%	4	5	80.0%
2001	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
TOTAL	55,780	74,700	74.7%	16,353	22,161	73.8%	4,074	5,658	72.0%	1,549	2,535	61.1%	77,756	105,054	74.0%



2000 Massachusetts I&M Program Test Data
51.366 (a)(2)(iii) TSI 1st Retests Passing by model year and vehicle type

Any vehicles receiving a TSI test with test counter = 2 were considered 1st TSI retests.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate
1984	289	393	73.5%	182	292	62.3%	99	151	65.6%	333	479	69.5%	903	1,315	68.7%
1985	22	31	71.0%	14	20	70.0%	5	10	50.0%	10	18	55.6%	51	79	64.6%
1986	569	749	76.0%	383	520	73.7%	170	240	70.8%	555	854	65.0%	1,677	2,363	71.0%
1987	53	70	75.7%	50	63	79.4%	18	27	66.7%	17	30	56.7%	138	190	72.6%
1988	731	940	77.8%	640	807	79.3%	217	274	79.2%	511	757	67.5%	2,099	2,778	75.6%
1989	45	52	86.5%	44	55	80.0%	12	18	66.7%	11	19	57.9%	112	144	77.8%
1990	654	774	84.5%	389	447	87.0%	95	110	86.4%	168	221	76.0%	1,306	1,552	84.1%
1991	42	47	89.4%	19	34	55.9%	6	8	75.0%	7	7	100.0%	74	96	77.1%
1992	634	709	89.4%	468	507	92.3%	107	125	85.6%	104	136	76.5%	1,313	1,477	88.9%
1993	36	40	90.0%	40	44	90.9%	13	14	92.9%	10	11	90.9%	99	109	90.8%
1994	478	514	93.0%	461	492	93.7%	128	145	88.3%	154	174	88.5%	1,221	1,325	92.2%
1995	35	35	100.0%	21	22	95.5%	9	9	100.0%	10	11	90.9%	75	77	97.4%
1996	8	8	100.0%	1	1	100.0%	0	0	NA	1	1	100.0%	10	10	100.0%
1997	11	11	100.0%	8	8	100.0%	2	2	100.0%	1	1	100.0%	22	22	100.0%
1998	4	4	100.0%	5	5	100.0%	0	0	NA	0	0	0.0%	9	9	100.0%
1999	4	4	100.0%	1	1	100.0%	1	1	100.0%	0	0	0.0%	6	6	100.0%
2000	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
2001	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
TOTAL	3,615	4,381	82.5%	2,726	3,318	82.2%	882	1,134	77.8%	1,892	2,719	69.6%	9,115	11,552	78.9%

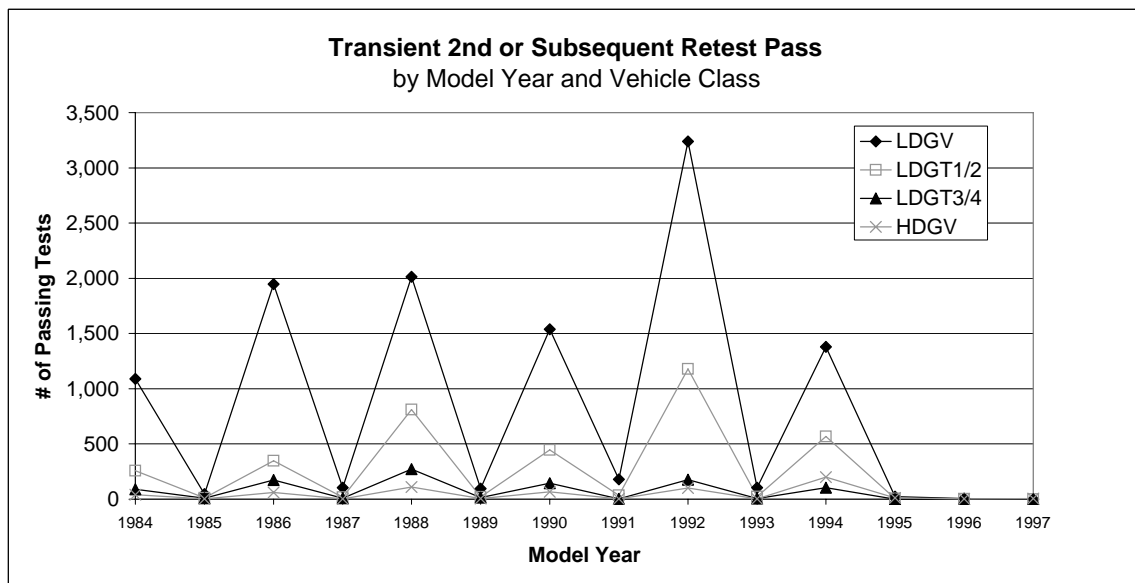
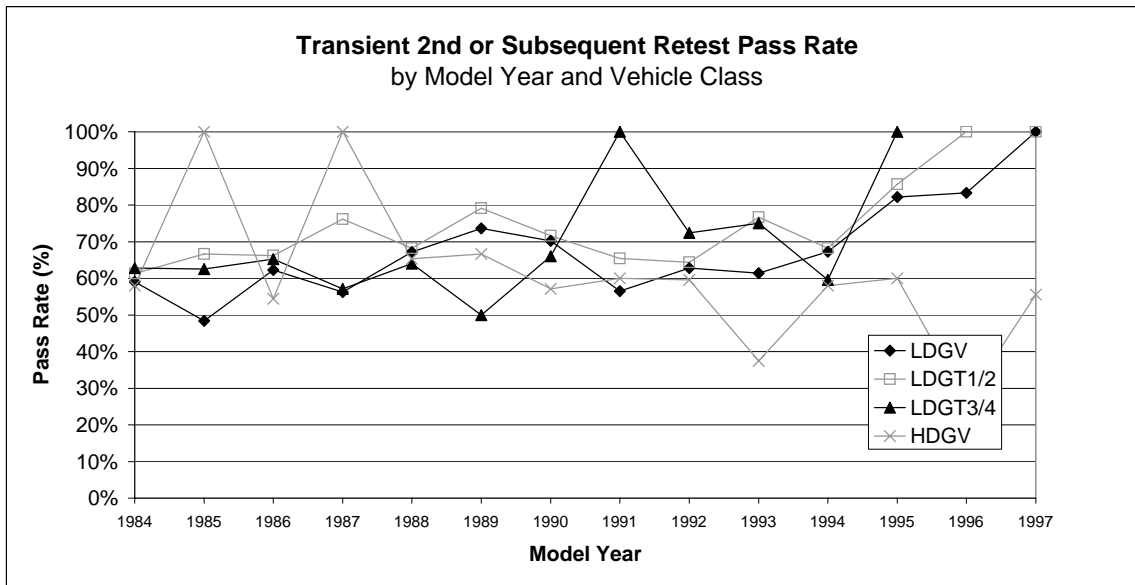


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(iv) Transient 2nd and Subsequent Retests Passing by model year and vehicle type

Any vehicles receiving a transient test with test counter >2 were considered 2nd or subsequent transient retests.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate
1984	1,089	1,845	59.0%	258	421	61.3%	91	145	62.8%	40	69	58.0%	1,478	2,480	59.6%
1985	45	93	48.4%	12	18	66.7%	10	16	62.5%	4	4	100.0%	71	131	54.2%
1986	1,948	3,127	62.3%	347	524	66.2%	173	265	65.3%	62	114	54.4%	2,530	4,030	62.8%
1987	104	185	56.2%	16	21	76.2%	8	14	57.1%	2	2	100.0%	130	222	58.6%
1988	2,014	2,997	67.2%	810	1,187	68.2%	272	425	64.0%	111	170	65.3%	3,207	4,779	67.1%
1989	95	129	73.6%	19	24	79.2%	14	28	50.0%	6	9	66.7%	134	190	70.5%
1990	1,539	2,192	70.2%	447	624	71.6%	144	218	66.1%	68	119	57.1%	2,198	3,153	69.7%
1991	179	317	56.5%	36	55	65.5%	2	2	100.0%	3	5	60.0%	220	379	58.0%
1992	3,240	5,162	62.8%	1,180	1,833	64.4%	176	243	72.4%	100	168	59.5%	4,696	7,406	63.4%
1993	105	171	61.4%	23	30	76.7%	6	8	75.0%	3	8	37.5%	137	217	63.1%
1994	1,378	2,050	67.2%	569	834	68.2%	103	173	59.5%	199	343	58.0%	2,249	3,400	66.1%
1995	23	28	82.1%	6	7	85.7%	1	1	100.0%	12	20	60.0%	42	56	75.0%
1996	5	6	83.3%	2	2	100.0%	0	0	NA	4	15	26.7%	11	23	47.8%
1997	1	1	100.0%	1	1	100.0%	0	0	NA	5	9	55.6%	7	11	63.6%
1998	1	1	100.0%	1	1	100.0%	0	0	NA	0	0	NA	2	2	100.0%
1999	0	0	NA	1	1	100.0%	0	0	NA	1	1	100.0%	2	2	100.0%
2000	1	1	100.0%	0	0	NA	0	0	NA	0	0	NA	1	1	100.0%
2001	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
TOTAL	11,767	18,305	64.3%	3,728	5,583	66.8%	1,000	1,538	65.0%	620	1,056	58.7%	17,115	26,482	64.6%

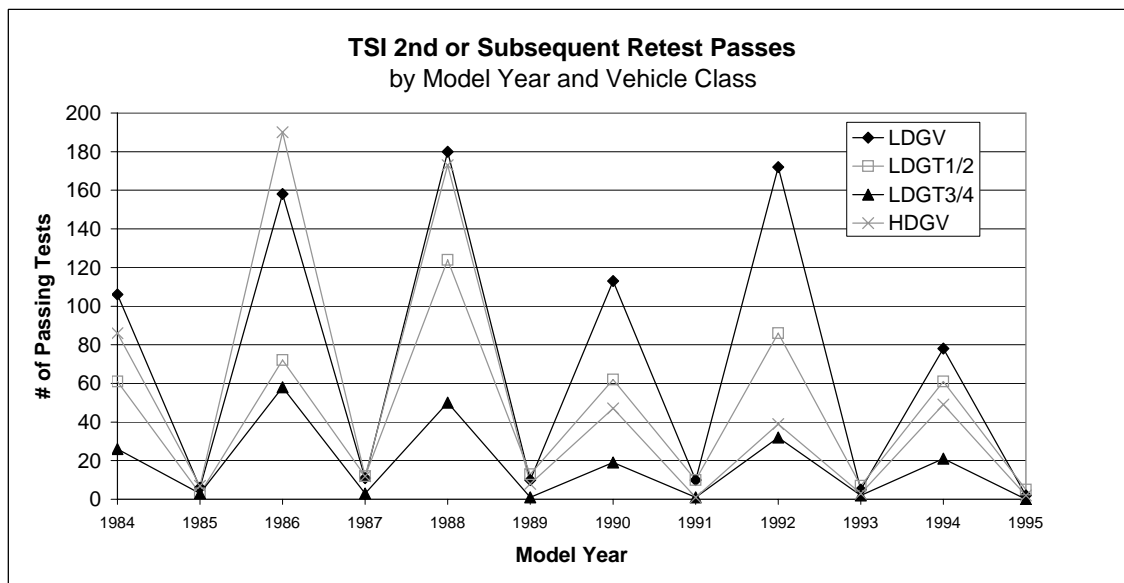
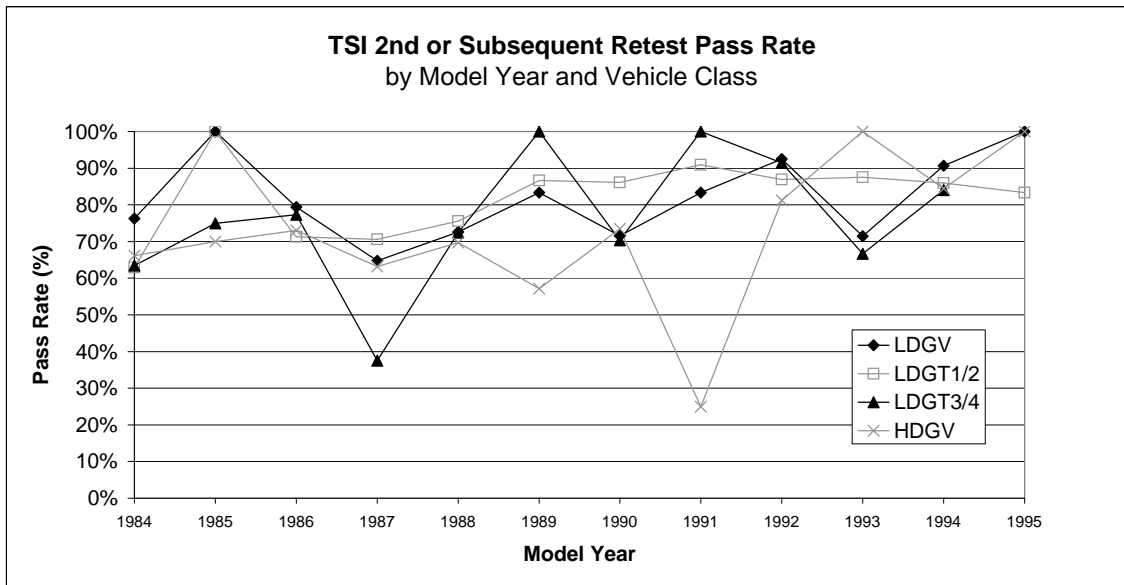


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(iv) TSI 2nd and Subsequent Retests Passing by model year and vehicle type

Any vehicles receiving a TSI test with test counter >2 were considered 2nd or subsequent TSI retests.

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate	Passed	Tested	Pass Rate
1984	106	139	76.3%	61	97	62.9%	26	41	63.4%	86	130	66.2%	279	407	68.6%
1985	6	6	100.0%	3	3	100.0%	3	4	75.0%	7	10	70.0%	19	23	82.6%
1986	158	199	79.4%	72	101	71.3%	58	75	77.3%	190	260	73.1%	478	635	75.3%
1987	11	17	64.7%	12	17	70.6%	3	8	37.5%	12	19	63.2%	38	61	62.3%
1988	180	248	72.6%	124	164	75.6%	50	69	72.5%	173	248	69.8%	527	729	72.3%
1989	10	12	83.3%	13	15	86.7%	1	1	100.0%	8	14	57.1%	32	42	76.2%
1990	113	158	71.5%	62	72	86.1%	19	27	70.4%	47	64	73.4%	241	321	75.1%
1991	10	12	83.3%	10	11	90.9%	1	1	100.0%	1	4	25.0%	22	28	78.6%
1992	172	186	92.5%	86	99	86.9%	32	35	91.4%	39	48	81.3%	329	368	89.4%
1993	5	7	71.4%	7	8	87.5%	2	3	66.7%	3	3	100.0%	17	21	81.0%
1994	78	86	90.7%	61	71	85.9%	21	25	84.0%	49	58	84.5%	209	240	87.1%
1995	2	2	100.0%	5	6	83.3%	0	0	NA	2	2	100.0%	9	10	90.0%
1996	0	0	NA	1	1	100.0%	0	0	NA	0	0	NA	1	1	100.0%
1997	0	0	NA	0	0	NA	0	0	NA	1	1	100.0%	1	1	100.0%
1998	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
1999	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
2000	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
2001	0	0	NA	0	0	NA	0	0	NA	0	0	NA	0	0	NA
TOTAL	851	1,072	79.4%	517	665	77.7%	216	289	74.7%	618	861	71.8%	2,202	2,887	76.3%

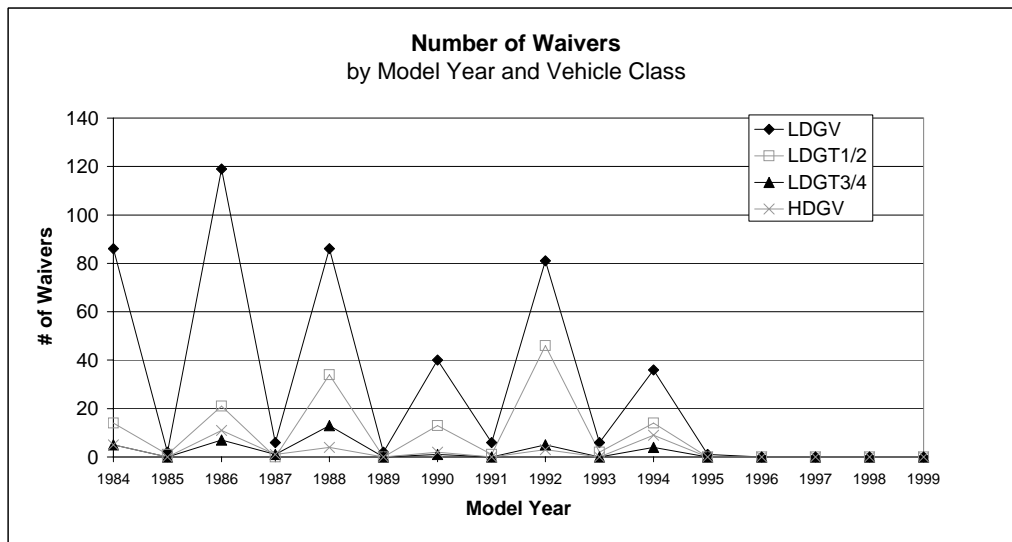
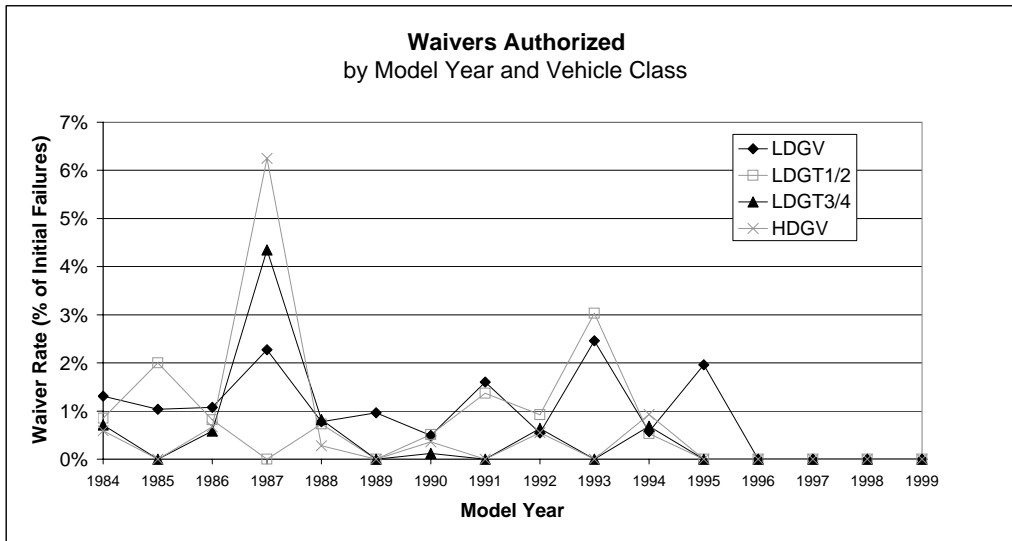


2000 Massachusetts I&M Program Test Data

51.366 (a)(2)(v) Initial Failing Emissions Tests Receiving a Waiver by model year and vehicle type

Motorists can receive an emissions waiver for their vehicle if they cannot pass an emissions retest following repairs. To be eligible for a waiver, a motorist must spend a minimum of \$200 to \$400 (depending on vehicle age) on emission related repairs at a registered repair shop, the emissions-control system must be intact with no evidence of tampering, there must be some improvement to the vehicle's emissions, and emission levels must be less than three times the standard for all pollutants tested, as applicable. The waiver is valid until the vehicle is due for its next emissions test. The waiver rate is calculated as a percentage of unique vehicles that failed their initial emissions test, for

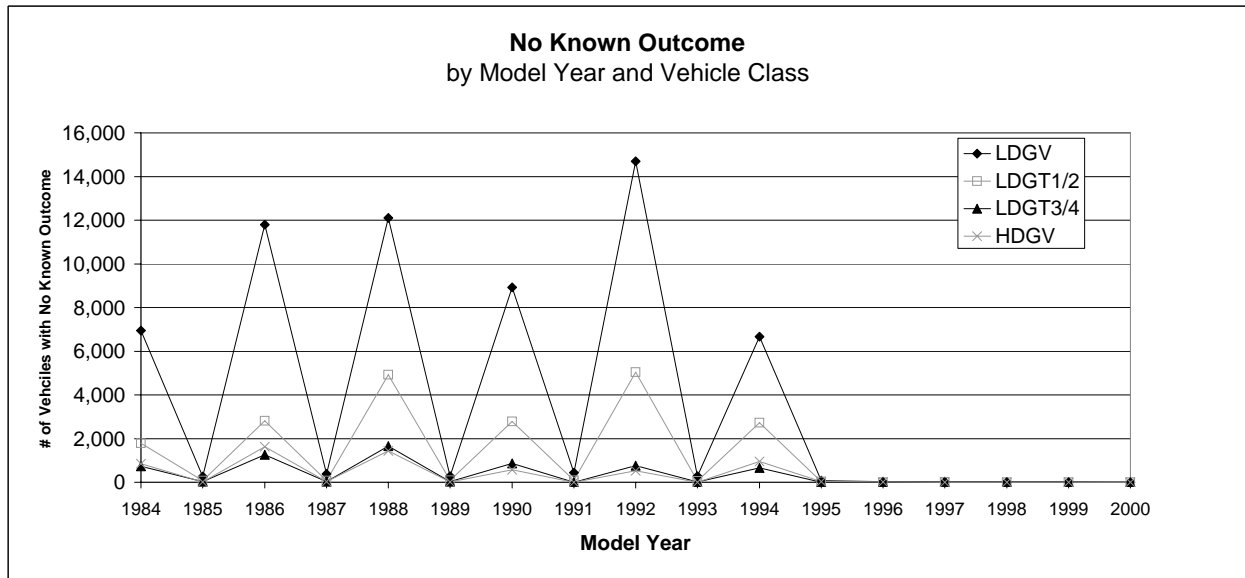
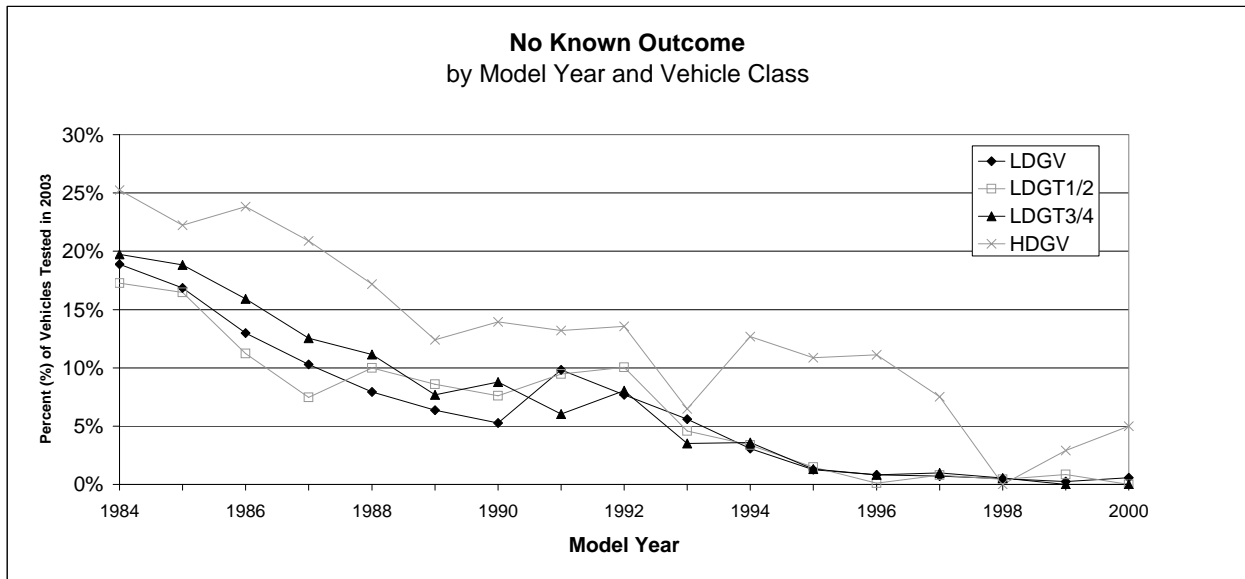
MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	Waiver Granted	Initial Failed	Waiver Rate	Waiver Granted	Initial Failed	Waiver Rate	Waiver Granted	Initial Failed	Waiver Rate	Waiver Granted	Initial Failed	Waiver Rate	Waiver Granted	Initial Failed	Waiver Rate
1984	86	6,553	1.31%	14	1,640	0.85%	5	704	0.71%	5	849	0.59%	110	9,746	1.13%
1985	2	193	1.04%	1	50	2.00%	0	16	0.00%	0	9	0.00%	3	268	1.12%
1986	119	11,050	1.08%	21	2,563	0.82%	7	1,195	0.59%	11	1,635	0.67%	158	16,443	0.96%
1987	6	264	2.27%	0	49	0.00%	1	23	4.35%	1	16	6.25%	8	352	2.27%
1988	86	11,086	0.78%	34	4,642	0.73%	13	1,576	0.82%	4	1,448	0.28%	137	18,752	0.73%
1989	2	208	0.96%	0	83	0.00%	0	15	0.00%	0	13	0.00%	2	319	0.63%
1990	40	8,137	0.49%	13	2,541	0.51%	1	834	0.12%	2	556	0.36%	56	12,068	0.46%
1991	6	375	1.60%	1	73	1.37%	0	11	0.00%	0	4	0.00%	7	463	1.51%
1992	81	14,816	0.55%	46	4,976	0.92%	5	783	0.64%	3	541	0.55%	135	21,116	0.64%
1993	6	244	2.46%	2	66	3.03%	0	7	0.00%	0	5	0.00%	8	322	2.48%
1994	36	6,275	0.57%	14	2,627	0.53%	4	582	0.69%	9	970	0.93%	63	10,454	0.60%
1995	1	51	1.96%	0	28	0.00%	0	8	0.00%	0	26	0.00%	1	113	0.88%
1996	0	17	0.00%	0	0	NA	0	1	0.00%	0	7	0.00%	0	25	0.00%
1997	0	18	0.00%	0	4	0.00%	0	1	0.00%	0	5	0.00%	0	28	0.00%
1998	0	5	0.00%	0	0	NA	0	0	NA	0	0	NA	0	5	0.00%
1999	0	4	0.00%	0	2	0.00%	0	0	NA	0	1	0.00%	0	7	0.00%
2000	0	2	0.00%	0	0	NA	0	0	NA	0	0	NA	0	2	0.00%
TOTAL	471	59,298	0.79%	146	19,344	0.75%	36	5,756	0.63%	35	6,085	0.58%	688	90,483	0.76%



2000 Massachusetts I&M Program Test Data
51.366 (a)(2)(vi) Vehicles with no know final outcome (regardless of reason)

Vehicles with no know outcome are vehicles that failed the emissions test and show no record of passing the test. The following methodology was used for this analysis: 1) Track vehicle VINs whose last emission test in 2000 was a fail 2) remove any of these vehicles that showed a passing emissions test in the first 6 months of 2001

MODEL YEAR	LDGV			LDGT1/2			LDGT3/4			HDGV			TOTAL		
	No Known Outcome	Vehicles Tested	Rate of Occurrence	No Known Outcome	Vehicles Tested	Rate of Occurrence	No Known Outcome	Vehicles Tested	Rate of Occurrence	No Known Outcome	Vehicles Tested	Rate of Occurrence	No Known Outcome	Vehicles Tested	Rate of Occurrence
1984	6,945	36,803	18.9%	1,781	10,315	17.3%	728	3,690	19.7%	847	3,354	25.3%	10,301	54,162	19.0%
1985	259	1,538	16.8%	67	407	16.5%	26	138	18.8%	18	81	22.2%	370	2,164	17.1%
1986	11,794	90,792	13.0%	2,807	25,011	11.2%	1,254	7,878	15.9%	1,623	6,810	23.8%	17,478	130,491	13.4%
1987	383	3,724	10.3%	66	884	7.5%	32	255	12.5%	28	134	20.9%	509	4,997	10.2%
1988	12,106	152,730	7.9%	4,929	49,273	10.0%	1,656	14,868	11.1%	1,440	8,382	17.2%	20,131	225,253	8.9%
1989	285	4,482	6.4%	93	1,084	8.6%	23	299	7.7%	19	153	12.4%	420	6,018	7.0%
1990	8,928	169,148	5.3%	2,778	36,474	7.6%	862	9,810	8.8%	572	4,102	13.9%	13,140	219,534	6.0%
1991	441	4,484	9.8%	93	981	9.5%	7	116	6.0%	7	53	13.2%	548	5,634	9.7%
1992	14,693	190,953	7.7%	5,039	50,164	10.0%	759	9,423	8.1%	526	3,881	13.6%	21,017	254,421	8.3%
1993	275	4,923	5.6%	62	1,351	4.6%	9	257	3.5%	7	108	6.5%	353	6,639	5.3%
1994	6,669	217,085	3.1%	2,726	80,806	3.4%	656	18,264	3.6%	955	7,533	12.7%	11,006	323,688	3.4%
1995	67	5,328	1.3%	25	1,699	1.5%	6	459	1.3%	25	230	10.9%	123	7,716	1.6%
1996	25	3,001	0.8%	1	1,002	0.1%	2	243	0.8%	8	72	11.1%	36	4,318	0.8%
1997	32	4,428	0.7%	12	1,490	0.8%	4	400	1.0%	7	93	7.5%	55	6,411	0.9%
1998	13	2,664	0.5%	5	1,169	0.4%	2	367	0.5%	0	49	0.0%	20	4,249	0.5%
1999	8	3,250	0.2%	6	716	0.8%	0	264	0.0%	2	69	2.9%	16	4,299	0.4%
2000	2	341	0.6%	0	107	0.0%	0	34	0.0%	1	20	5.0%	3	502	0.6%
TOTAL	62,925	895,674	7.0%	20,490	262,933	7.8%	6,026	66,765	9.0%	6,085	35,124	17.3%	95,526	1,260,496	7.6%



2000 Massachusetts I&M Program Test Data
 51.366 (5) Average change in Transient Test Emissions after repairs by model year and vehicle type

Average change in emissions due to repair was determined using the following method: calculate the average emissions for vehicles that failed the initial transient test, calculate the average emissions for initially failing vehicles that passed the transient retest, and calculate the percent difference between the two averages. The overall averages by vehicle class and model year were determined by taking the sum of the weighted averages [(avg emissions) * (# of vehicles tested)] for each model year or vehicle class and dividing by the total number of vehicles tested for the model year or vehicle class. For post-repair tests, the testcounter was greater than 1 and the VIN also failed a transient test with test counter = 1

AVG. HYDROCARBONS (g/mi)

MODEL YEAR	LDGV					LDGT1/2					LDGT3/4					HDGV					OVERALL				
	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change
1984	6,473	3,077	3,127	1,011	-67.0%	1,315	634	693	2,151	-54.0%	511	636	244	1,305	-70.9%	160	916	84	2,451	-69.7%	8,461	3,811	4,158	2,977	-66.3%
1985	1,759	3,207	877	1,236	-60.9%	397	6,417	17	2,244	-85.1%	12	8,407	7	2,522	-70.0%	2	13,421	1	1,311	-90.2%	290	4,077	82	1,544	-62.3%
1986	10,658	3,174	5,624	1,011	-88.1%	2,033	5,461	1,101	1,528	-63.5%	902	5,451	513	1,108	-85.4%	442	6,817	226	2,292	-82.5%	14,044	3,736	7,461	1,268	-69.5%
1987	242	3,849	105	1,236	-68.9%	27	9,401	13	2,523	-73.0%	18	7,023	7	2,121	-69.8%	8	6,311	3	1,477	-76.7%	292	4,624	128	1,477	-68.4%
1988	10,028	3,481	5,981	1,044	-86.9%	4,058	4,201	2,940	1,861	-62.0%	1,369	4,721	810	1,981	-59.9%	471	5,851	284	1,641	-71.9%	16,498	3,721	8,420	1,271	-65.8%
1989	207	3,854	101	1,352	-75.8%	61	3,564	31	1,351	-69.9%	12	6,201	2	2,721	-35.3%	0	3,311	3	1,971	-54.3%	255	3,891	150	1,241	-68.3%
1990	7,827	2,461	4,769	889	-89.9%	2,271	4,001	1,444	1,327	-85.9%	761	4,671	483	1,721	-63.1%	309	3,871	190	1,401	-61.8%	11,168	3,330	6,896	1,061	-67.8%
1991	970	2,661	186	1,111	-64.7%	71	1,581	31	1,011	-89.3%	5	6,181	2	1,051	-89.0%	2	3,231	2	2,811	-17.3%	452	2,111	230	1,171	-63.2%
1992	14,773	1,521	9,767	1,869	-67.1%	4,869	2,031	3,269	3,381	-56.9%	728	3,361	504	1,861	-58.3%	403	2,861	269	1,241	-52.3%	20,773	1,751	13,788	865	-62.9%
1993	234	1,581	147	668	-56.2%	60	2,101	34	1,021	-81.1%	0	6,391	0	1,281	-85.6%	0	1,521	639	1,681	-46.3%	303	1,811	720	881	-59.2%
1994	6,199	1,561	4,231	1,164	-65.3%	2,618	2,441	1,721	3,058	-72.3%	573	7,631	348	1,151	-56.1%	856	8,971	12	1,551	-24.3%	10,088	1,871	6,312	1,901	-67.5%
1995	47	1,501	22	2,441	-72.9%	27	3,021	13	1,011	-66.7%	7	1,791	1	3,101	-73.6%	24	1,861	4	1,058	-87.4%	105	1,971	40	1,711	-63.9%
1996	18	1,151	11	1,331	-65.0%	0	0.0	0	0.0	N/A	1	1,811	1	1.0	-90.1%	7	1,901	3	3,651	-65.7%	28	1,431	18	1,051	-69.8%
1997	18	1,071	15	0.32	-69.7%	4	1.101	3	0.00	-100.0%	1	0.631	1	0.00	-100.0%	5	1.351	0	0.00	N/A	22	1.311	18	0.30	-76.9%
1998	3	0.581	3	0.40	-64.7%	0	0.00	0	0.00	N/A	0	0.00	0	0.00	N/A	0	0.00	0	0.00	N/A	7	0.411	5	0.12	-70.3%
1999	3	0.341	3	0.14	-59.8%	0	0.00	0	0.00	-100.0%	0	0.00	0	0.00	N/A	0	0.00	0	0.00	N/A	3	0.071	49	0.14	-65.5%
2000	2	1.411	2	0.04	-97.2%	0	0.00	0	0.00	N/A	0	0.00	0	0.00	N/A	0	0.00	0	0.00	N/A	2	1.441	2	0.04	-97.2%
Overall	57,848	2,641	34,145	8,781	-68.9%	17,356	3,681	10,700	7,581	-64.4%	4,866	4,781	2,943	1,721	-63.1%	2,786	8,100	1,629	1,461	-64.0%	82,771	2,441	48,417	6,937	-64.9%

AVG. CARBON MONOXIDE (g/mi)

MODEL YEAR	LDGV					LDGT1/2					LDGT3/4					HDGV					OVERALL				
	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change
1984	6,473	77.0	3,127	12.9	-83.3%	1,315	1,321	693	36.9	-72.1%	511	119.9	244	26.8	-76.0%	160	97.1	94	35.9	-63.0%	8,461	85.5	4,158	18.3	-79.3%
1985	1,759	72.4	877	14.8	-79.1%	397	141.0	17	41.8	-70.3%	12	130.9	7	27.4	-79.9%	2	37.0	1	15.1	-59.7%	290	69.7	82	20.7	-78.1%
1986	10,658	69.8	5,624	11.4	-83.7%	2,033	102.6	1,101	30.0	-70.7%	910	103.4	510	30.9	-70.1%	442	112.3	226	34.0	-69.7%	14,044	78.1	7,461	16.2	-79.3%
1987	242	89.9	105	10.8	-87.0%	27	137.3	13	42.3	-69.2%	18	78.7	7	22.2	-71.8%	8	62.4	3	18.8	-69.2%	292	65.5	128	14.8	-65.9%
1988	10,028	62.4	5,981	11.1	-88.2%	4,058	62.2	2,940	20.3	-69.3%	1,369	62.1	815	20.7	-66.6%	471	76.3	284	21.2	-72.2%	16,498	63.7	8,420	14.5	-77.2%
1989	207	73.9	101	10.2	-85.9%	61	70.6	31	25.9	-63.4%	12	60.0	0	16.3	-73.3%	0	79.1	3	39.7	-49.8%	255	72.9	140	14.7	-79.8%
1990	7,827	66.8	4,769	10.2	-84.8%	2,271	79.2	1,444	18.1	-77.1%	761	72.0	483	18.5	-74.3%	309	67.0	190	14.1	-79.1%	11,168	69.9	6,896	17.6	-80.0%
1991	970	34.6	186	7.1	-79.3%	71	35.1	31	10.3	-70.9%	5	85.3	2	2.5	-97.1%	2	39.9	2	8.9	-89.8%	452	37.7	210	7.8	-78.1%
1992	14,773	33.8	9,767	6.2	-81.5%	4,869	36.0	3,269	10.0	-71.4%	728	43.9	504	16.0	-63.1%	403	48.9	269	12.4	-73.0%	20,773	34.8	13,788	7.6	-78.0%
1993	234	89.9	147	10.8	-87.0%	60	34.2	34	10.2	-70.0%	0	93.0	0	12.0	-87.1%	0	33.1	639	12.4	-63.0%	303	35.2	720	11.4	-67.7%
1994	6,199	30.3	4,231	7.4	-75.7%	2,618	33.9	1,721	9.1	-73.2%	573	34.7	348	13.8	-60.7%	856	38.9	12	15.4	-60.5%	10,088	32.1	6,312	8.2	-74.5%
1995	47	49.4	22	4.8	-89.8%	27	63.0	13	13.6	-78.6%	7	42.0	1	8.0	-14.2%	4	45.8	4	9.5	-61.7%	109	45.0	40	3.8	-89.5%
1996	18	44.7	11	5.7	-87.2%	0	0.0	0	0.0	N/A	1	29.6	1	0.8	-89.3%	7	45.2	3	17.0	-62.3%	28	37.6	18	9.7	-74.4%
1997	18	69.8	15	2.1	-69.6%	4	21.9	4	1.9	-81.1%	0	67.1	0	0.0	-100.0%	0	65.9	0	0.0	N/A	22	68.1	18	2.0	-67.0%
1998	3	27.9	3	2.4	-91.2%	0	0.0	0	0.0	N/A	0	0.0	0	0.0	N/A	0	0.0	0	0.0	N/A	7	3.7	5	3.8	-31.8%
1999	3	23.0	3	7.5	-67.9%	2	54.3	2	5.3	-90.2%	0	0.0	0	0.0	N/A	0	0.0	0	0.0	N/A	3	59.2	3	7.5	-87.3%
2000	2	70.4	2	0.0	-100.0%	0	0.0	0	0.0	N/A	0	0.0	0	0.0	N/A	0	0.0	0	0.0	N/A	2	70.2	2	0.0	-100.0%
Overall	57,848	55.0	34,145	9.3	-83.5%	17,356	63.7	10,700	17.1	-73.1%	4,866	72.0	2,943	21.1	-70.7%	2,786	64.2	1,629	18.6	-71.1%	82,771	58.2	48,417	12.0	-79.4%

AVG. OXIDES OF NITROGEN (g/mi)

MODEL YEAR	LDGV					LDGT1/2					LDGT3/4					HDGV					OVERALL				
	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change	Pre-Repair #	Post-Repair #	Pre-Repair #	Post-Repair #	Change
1984	6,473	5.49	3,127	2.69	-51.1%	1,315	6.07	693	3.59	-40.9%	511	6.64	244	3.91	-41.2%	160	9.16	84	5.16	-43.7%	8,461	5.72	4,158	2.97	-48.2%
1985	1,759	4.94	877	2.76	-44.9%	397	7.59	17	4.19	-44.9%	12	6.20	7	4.01	-36.3%	2	5.60	1	6.19	-19.1%	290	5.47	82	3.16	-42.2%
1986	10,658	5.24	5,624	2.59	-50.9%	2,033	7.68	1,101	4.01	-46.9%	910	7.67	510	3.92	-50.2%	442	5.24	226	5.21	-43.7%	14,044	5.86	7,461	2.97	-49.4%
1987	242	4.76	105	2.71	-43.0%	27	4.86	13	4.32	-10.8%	18	7.79	7	2.71	-65.2%	8	10.97	3	5.19	-52.7%	292	5.06	128	2.93	-42.0%
1988	10,028	5.29	5,981	2.57	-51.4%	4,058	7.61	2,940	3.29	-56.9%	1,369	7.63	815	3.42	-54.8%	471	9.75	284	5.48	-40.2%	16,498	6.16	8,420	2.97	-51.0%
1989	207	5.28	101	2.72	-48.4%	61	7.64	31	3.98	-47.9%	12	7.86	0	4.19	-47.3%	0	8.49	3	2.72	-71.0%	255	6.05	140	3.06	-49.5%
1990	7,827	4.94	4,769	2.64	-46.8%	2,271	7.59	1,44																	

COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Attachment C: 2000 Test Data by Station

Massachusetts Enhanced Inspection and Maintenance Program

December 2005

2000 Massachusetts I&M Program Test Data

51.366 (a)(3) Initial Emissions Test Volume by Model Year and Test Station

Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
FL005112				1	3		6		2	1	3								16
FL007509	2		8		18		19	1	28		67	3			1				147
FL007513	7		9		11		4		7	1	5	1							45
FL010365			1		1				4		19					1			26
FL010922					2		2		30		2								36
FL010924					1		1		7			1					1		11
FL010937	1		1		5		1		9		2								19
FL011254	8		10		8														26
FL011278	10		7		1		4												22
FL011296									1		5								6
FL011886					28	3	4	2	11	1	8	3	1		4				65
FL012032					12		2		3	2		5							24
FL012047	1		2		9		2		13	1	20	1							49
FL012071	22		12		11		6												51
FL012190			1		16		4	1	5		1	3							31
FL012191					2		1	1						1	1				6
FL012350						1		1	2		1	1							6
FL012429	12		23		4		6												45
FL012708					18		4		8		3								33
FL012808										3		1							4
FL013214								1											1
PB001458							1				1								2
PB004462	41	3	151	3	408	5	564	7	635	3	849	10	7	8	4	2			2,700
PB004465	3	1	12	2	15	1	19	2	23	3	40	4	11	18	9	12	1		176
PB004466	21		73	4	138	8	153	5	201	2	276	6	2	7	5	1			902
PB004467	12		37	2	81	7	188	10	288	11	435	18	22	62	25	42	4		1,244
PB004468	19		30	2	69	3	88	3	144	5	223	21	14	18	21	30	2		692
PB004469	64	5	126	11	260	17	245	12	191	13	213	4	9	5	5	3			1,183
PB004470	54	2	97	7	234	10	201	14	231	12	275	5	6	9	14	2			1,173
PB004471	4		7	2	10	1	22		42	5	88	4	3	3	12	6			209
PB004472	10		36	1	62	8	62	4	102	4	152	12	6	6	7	6			478

2000 Massachusetts I&M Program Test Data

51.366 (a)(3) Initial Emissions Test Volume by Model Year and Test Station

Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004473	37	3	75	4	132	2	142	2	171	5	246	4	2	9	4	1			839
PB004474	22	1	56		117	2	119	1	137	5	161	2	4	4	3	1			635
PB004475	12	1	27	2	74		74	2	89	1	157	7	10	17	13	25	3		514
PB004476	81	6	152	3	302	5	217	5	259	6	275	8	2	6	6	4			1,337
PB004477	17	1	46		97		66	4	86		142	5	4	2		1			471
PB004479	10	1	36	1	64	3	55	4	102	4	177	6	7	12	13	36			531
PB004480	10		20	4	44	4	50	1	89	9	149	18	4	11	6	19			438
PB004481	43	1	143	7	227	7	226	9	287	15	431	14	20	16	9	15	2		1,472
PB004482	56	11	123	10	235	8	228	6	222	6	324	9	2	12	7	6	1		1,266
PB004483	6		9		19	2	17	1	28	2	56	8	5	3	4	1	1		162
PB004485	6		9	4	56	1	67	5	94	3	178	11	11	22	11	16	1		495
PB004486	40	1	106	1	195	3	209	7	254	2	349	9	6	8	7	2			1,199
PB004487	15		34	1	82		72	4	116	3	192	1	2	1	3	2			528
PB004488	22		52	1	111		88	1	125	6	188	6	2	3	1	1			607
PB004489	51	2	149	3	254	3	288	10	345	10	397	2	4	5	3	6	2		1,534
PB004490	43	1	82	2	151	2	127	2	146	5	228	9	32	15	7	3			855
PB004491	2		18	1	20		27	1	53	2	104	9	5	15	20	20	1		298
PB004492	43		108	1	200	1	260	2	296	1	483	1	6	3	3	1			1,409
PB004493	21	3	42	1	102	2	123	2	161	2	188	13	3	7	4	6			680
PB004494	44	4	125	8	243	9	250	10	285	16	456	20	6	9	8	5	1		1,499
PB004495	23	1	31	2	69	2	63	1	94	2	179	1	4	2	7	3			484
PB004496	5	2	16	1	44	2	63	3	68	2	105	5		4	5	3			328
PB004497	15	2	34	1	106	6	75	1	76	1	143	2		1	2				465
PB004498	22		36		49	2	43		53	1	100	1	1	2	1	51			362
PB004499	4	1	31	5	57	6	133	5	157	7	243	8	11	47	12	19	2		748
PB004500	33	4	127	9	279	5	297	7	307	6	542	8	13	23	8	8	1		1,677
PB004501	77	5	192	4	324	11	307	18	294	5	362	13	9	11	7	2			1,641
PB004502							1				4		2	3	1	1			12
PB004503	5	1	16		28	1	35	1	58	3	87	7	14	17	14	26	1		314
PB004504	69	7	196	19	300	24	279	20	271	30	294	13	4	5	1	1			1,533
PB004505	14	2	55	4	87	4	88	1	127	10	181	15	13	25	17	5			648

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004506	12	1	25		49	6	89	2	117	3	157	8	10	11	7	2			499
PB004507	4		7	1	25		34		41		71	4	2	3	1	3			196
PB004508	17	1	45	9	114	6	113	4	138	6	190	8	2	9	4	5	1		672
PB004509	5		14	2	25		41	1	78	3	118	4	3	6	5	5			310
PB004510	1				11		2		13		30			1	1				59
PB004511	23	1	36	1	48	5	56	2	58	5	64	4	1	6	3	5			318
PB004512	2		6	1	19	2	16	1	24	5	76	5	13	46	30	42	3		291
PB004513	156	9	320	25	463	17	320	9	166	9	169	9	2	3	4	3			1,684
PB004514	9	1	19	1	49	2	88	2	97	7	178	13	17	55	13	11	4		566
PB004515	27	4	94	4	168	17	218	13	200	7	228	28	13	9	3	3	1		1,037
PB004516	31	2	86		118	4	97	5	98	1	151	1	1	2	1				598
PB004517	52	4	129	16	244	18	212	13	187	16	240	11	13	14	6	1			1,176
PB004518	48	3	108	2	149	6	124	4	118	5	121	3	2	1	3	1			698
PB004519	30	2	76	5	162	11	157	8	143	11	151	3	8	9	1	4			781
PB004520	22		53	1	84	2	91	2	94	3	123	5	2	2	2	1			487
PB004521	49	2	158	9	292	8	263	4	351	5	451	11	6	5	10	5			1,629
PB004522	14	1	52	1	91	1	94	6	123	2	199	13	7	9	9	12			634
PB004523	76		170	15	290	6	278	11	301	7	418	7	17	13	3	5			1,617
PB004524	3		12	1	30	3	32	1	30	3	61	7	6	16	11	9			225
PB004525	20	3	68	1	109	7	97	2	95	5	178	2	3	7	8	11	27		643
PB004526	6	1	16	2	26	1	34		73	7	142	10	13	41	53	39	7		471
PB004527	4	2	12		33	4	53	4	94	6	130	7	4	8	5	9			375
PB004528	26	1	70	3	110	4	115	1	158	5	215	2	2	4	4	3			723
PB004529	5		25		54		61	1	111	2	183	13	10	13	17	14			509
PB004531	29	2	66	13	139	8	123	10	175	20	251	24	10	10	6	6	1		893
PB004532	13	1	44	3	85	3	99	4	117	9	191	8	7	16	9	9			618
PB004533	139	4	364	28	604	36	461	25	453	23	478	16	5	12	4	4			2,656
PB004534	75	15	201	30	321	20	266	24	257	32	345	25	9	11	3	9			1,643
PB004535	2		4	2	10		10		27	4	81	7	3	10	3	6			169
PB004536	50	4	127	5	237	12	259	10	354	17	539	27	53	45	35	21	4		1,799
PB004537	1		10		18		15	2	28	1	113	3	3	3	14	3			214

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004538	8		22		28		55	2	106	1	160	6	10	17	12	8			435
PB004539	16		44	3	117	3	159	5	190	4	290	10	6	6	5	7			865
PB004540	1		1		8	3	6		5	1	5	1		1					32
PB004542	26	1	47	1	91	2	80	3	83	1	134	8	3	1	3	3			487
PB004543	7		31	1	55	1	63	2	73	4	161	10	9	26	24	31			498
PB004544	18		37	3	72	6	73	1	68	4	72	2	1	3	2	1			363
PB004545	39	2	46		106	4	91	2	129		112	1		3	3	2			540
PB004546	32	2	58	6	108	11	115	3	133	6	177	13	4	8	5				681
PB004547	48	2	117	1	252	4	237	2	248	3	258	4	2	4		2			1,184
PB004548	48	3	122	5	211	8	203	5	176	3	155	1	3	2	1				946
PB004549	6		11		24		35	1	68	7	120	4	9	7	17	15			324
PB004550	24	1	90	7	198	5	211	10	224	12	267	14	7	9	5				1,084
PB004551	5		18	2	38	2	60	2	92	4	177	5	18	62	31	20	2		538
PB004552	33	1	88	3	150	2	108	4	149	1	229	10	6	3	6	4			797
PB004553	3		7		18		32		32	3	85	1	4	1	3	3			192
PB004554	38	2	95	7	178	8	174	6	198	4	241	12	5	7	6	6			987
PB004555	4		14	1	38	1	45	4	110	2	231	7	6	28	20	44	2		557
PB004556	49	5	98	5	181	9	237	3	280	5	373	10	11	13	14	5			1,298
PB004557	35	2	93	12	167	9	164	5	161	5	220	9	10	6	7	9	1		915
PB004558	16	1	56	5	130	6	121	8	129	5	131	6	6	8					628
PB004559	35	5	154	28	313	35	262	21	224	20	157	15	4	12	5	4			1,294
PB004560	64		129	6	242	6	270	2	263	1	369	7	10	4	4	2			1,379
PB004561	45	5	117	2	201	5	178	7	163	3	223	6	3	7	3	3	1		972
PB004562	8		23	2	53	2	28		30		43			1		1			191
PB004563	56	2	122	3	232	10	219	6	227	8	325	9	10	18	4	1			1,252
PB004564	31		83	6	207	9	209	8	230	10	333	8	5		2	2			1,143
PB004565	30	2	74	3	158	6	223	7	303	11	476	10	16	15	12	12			1,358
PB004566	67	5	89	3	121	5	100	3	98	10	121	5	7	2	2	4	3		645
PB004567	25	5	100	9	212	7	233	8	270	15	314	4	8	12	6	7			1,235
PB004568	21	4	83	8	107	8	149	9	157	12	178	6	9	9	3	3			766
PB004569	21	1	98	2	168	1	178	4	235	7	408	9	14	51	22	20			1,239

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004570	28	2	80	2	117		109	4	135	1	145	1	1						625
PB004571	92	2	247	1	360	3	307	3	277	1	354	1	1	5	2	1			1,657
PB004572	45	2	135	4	235	2	246	6	315	12	424	19	13	8	10	15	1		1,492
PB004573	45	8	121	25	205	29	195	15	181	11	127	17	11	4	2	2	1		999
PB004574	95	21	333	69	678	62	710	53	561	46	463	29	30	22	10	6			3,188
PB004575	16		70	2	125	4	123	4	121	2	195	2	1	7		1			673
PB004576	28		54	2	97	2	150	1	199	4	350	5	1	5	1	2	2		903
PB004577	6		25	2	59	3	75	1	126	4	198	21	28	63	40	75	9		735
PB004578	3		4	3	21	2	14		31	3	76	17	11	27	22	18	1		253
PB004579	32		86	2	142	4	169	2	239	1	320	6	4	9	5	1			1,022
PB004580	36	4	105	8	158	7	159	5	202	11	252	6	8	15	8	7			991
PB004581	49	3	122	4	206	7	155	8	180	4	242	7	8	6	5	2			1,008
PB004582	25	4	69	12	125	7	116	5	114	12	147	9	6	13	3	1			668
PB004583	58	6	129	18	219	24	203	20	189	19	209	26	9	9	2				1,140
PB004584	22		45	3	107	7	132	7	164	6	193	10	2	19	8	4	1		730
PB004585	42		88	8	139	5	136	3	140	4	149	3	5	3	2	1			728
PB004586	2	1	9	2	17		10	2	17	1	23	4	3	8	3	4	2		108
PB004587	3		18	1	23	1	43		51	5	149	10	10	33	21	23	1		392
PB004588	7	1	13	1	45	2	62	3	80	5	144	7	15	20	11	12			428
PB004589	1		10		20	1	23	3	44	4	89	16	7	10	6	9	5		248
PB004590	8		16	1	33	2	58	1	117		125	6	2	84	30	49	6		538
PB004591	3		13		19		19		60	5	127	10	33	84	41	59	7		480
PB004592	3		17		33	1	56	1	72	1	150	5	4	12	13	3			371
PB004593	5		6		25	1	12	1	34	2	78	5	11	14	21	47	4		266
PB004594	63	4	117	7	203	5	216	4	190	3	248	4	8	6	1	3		1	1,083
PB004595	12	3	25	3	85	5	87	6	123	6	248	13	5	15	5	7			648
PB004596	95	3	193	5	360	4	320	7	287	8	387	5	11	7	2	1			1,695
PB004597	31	1	67	4	126	4	91	5	104	4	129	1	4	1	2	2	1		577
PB004598	21	1	68	2	130	6	122	9	159	10	189	7	3	5	6	2			740
PB004599	7		42	2	66	2	80	9	134	13	122	3	1	3	2				486
PB004600	14	1	41	9	87	2	89	4	97	8	96	4	2		1	2	1		458

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004601	7		17		19	1	39		29	1	52	3	3	9	2	3			185
PB004602	18	2	58	5	128	5	141	3	155	2	191	6	2	8	2		2		728
PB004603	22	1	98	6	155	6	191	5	159	3	178	7	3	3	3	1			841
PB004604	35		63	5	124	7	166	5	182	6	220	6	4	7	5	3			838
PB004605	79	4	170	12	370	8	291	6	285	9	352	12	12	9	4	2			1,625
PB004606	22	2	82	10	174	13	195	9	236	11	366	12	3	20	9	6	1		1,171
PB004607	8		10		30		46		62	1	167	9	11	20	12	17	3		396
PB004608	3		6	1	13		10	2	11	1	34	2	11	20	11	4			129
PB004609	42	5	102	6	210	9	214	4	263	12	388	12	4	10	3	3	1		1,288
PB004610	16	3	40	2	81	3	112	3	119	5	162	8	3	6	6	1			570
PB004611	9	1	15		21		51	1	124	2	162	14	1	13	12	16	2		444
PB004612	31	1	106	9	123	13	171	19	167	13	229	16	8	11	2	5	2		926
PB004613	16	3	37	3	83	2	115	6	168	11	445	15	24	39	27	21	6		1,021
PB004614	4	2	16	1	36	6	45	5	56	9	83	5		3	1				272
PB004615	17	2	59	1	79	1	106		124	3	196	2	3	6	2	4			605
PB004616	18		47		95	5	129	3	126	2	197	1	2	1	1	3			630
PB004617	110	21	433	52	687	66	745	43	461	25	359	16	14	11	2	1			3,046
PB004618	38	1	83	4	178	10	159	3	200	7	272	8	12	10	7	6			998
PB004619	98	6	186	6	369	6	373	11	447	7	582	11	10	6	9	6			2,133
PB004620	37	1	104	1	207	2	163	6	256	5	328	7	3	10	4	1			1,135
PB004621	42		119	3	202	8	267	7	309	7	433	13	5	7	8	6	3		1,439
PB004622	123	1	307	1	525	10	534	6	585	9	940	7	8	8	3	4			3,071
PB004623	5	1	24	3	37	1	41		50	1	54	2							219
PB004624	22		49	1	69	1	37	1	81		57	1		1					320
PB004625	49	7	108	14	156	9	149	7	123	6	127	10	5	5	1	1			777
PB004626	10		44	8	77	5	74	4	83	6	105	3	2	2	1		2		426
PB004627	43	7	116	5	222	11	210	8	238	11	267	24	15	20	18	13			1,228
PB004628	7		27	2	33	4	68	1	51	9	95	6	33	38	7	2	1		384
PB004629	22	4	45	2	88	4	74		77	3	111	3	3	4	2	1			443
PB004630	39	2	63	1	112	1	88	1	105	1	134	2	2	1	1				553
PB004631	13	4	51	5	78	8	123	5	112	7	214	14	23	28	29	62	4		780

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004632	59	3	140	10	249	12	230	8	208	6	259	4	7	10		2			1,207
PB004633	23		52	2	94	2	107	3	118	4	205	2	6	2	3	2			625
PB004634	8		24	1	74	2	80	1	136	1	221	3	9	16	11	32	1		620
PB004635	44	1	121	1	216	6	194	5	214	1	290	3	1	4	2	1			1,104
PB004636	35		73	2	167	1	173	3	213	4	299	6	9	5	1	2			993
PB004637	55	2	119	4	221	10	158	9	184	10	217	3	1	5	5	4			1,007
PB004638	52	4	134	17	251	13	254	13	257	10	393	6	3	12	3	6	1		1,429
PB004639	14		60	1	119	1	163	1	206	6	273	10	18	20	8	10			910
PB004640	3		12		30	1	41		28	4	92	11	5	24	16	13	5		285
PB004641	5	1	12		17		25	2	47	5	120	11	12	15	18	7			297
PB004642	64	5	97	6	166	6	137	2	153	4	175	3	6	2	1	3			830
PB004643	8		14	3	24	2	45	1	55	3	117	11	9	10	7	8	2		319
PB004644	45	2	131	7	277	2	262	7	362	17	436	21	16	19	17	10			1,631
PB004645	6	1	19	1	38	1	61	3	88	7	130	16	24	48	40	26	4		513
PB004646	34	5	92	4	185	9	240	6	294	7	393	13	5	8	10	12	1		1,318
PB004647	60	5	177	6	344	17	427	13	426	18	481	10	8	9	5	5			2,011
PB004648	36	2	71	3	159	7	179	6	198	4	257	13	3	4	7	5			954
PB004650	21	10	63	19	161	21	181	15	198	17	261	21	10	23	3	4			1,028
PB004651	11		21	3	63	1	76	2	111	3	163	6	4	8	3	7			482
PB004652	9	2	35	7	77	9	78	7	112	8	137	3	1	10	2	3			500
PB004653	39		95	4	149	3	180	1	212	10	262	8							963
PB004654	5		26		33	1	54		83	1	166	3	1	1	2	2	3		381
PB004655	55		140		292	2	297		361	5	493	3			2	1			1,651
PB004656	74		160		272		209		233	1	302	1							1,252
PB004657	2		4		18	2	40		52	1	93	3							215
PB004658	25		90	2	178	5	207	4	243	3	386	3	3	13	5	4			1,171
PB004659	26		76	1	148	1	189		262	1	400	1	3						1,108
PB004660	12		17		61	2	63	1	84	1	112	3							356
PB004661	11	4	25	1	75	1	99	2	48	2	70	2	3		1	1			345
PB004662	80	8	158	12	225	15	230	10	225	7	240	6	8	7	5	3			1,239
PB004663	57	3	148	3	290	7	269	3	320	5	387	6	7	6	5		1		1,517

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004664	53	1	93		158	1	169	1	185		276	3		1					941
PB004665	56	4	151	4	216		152	1	147	5	189	6							931
PB004666	134		400	1	644		769		787		911								3,646
PB004667	13		41		98	1	105		169	5	256	3							691
PB004668	139	2	293	6	427	3	302		289	2	306	7	4		4	1			1,785
PB004669	12		46		65		76		111		149								459
PB004670	51	6	157	9	282	14	338	12	395	21	620	21	2	1	2				1,931
PB004671	52	1	113	1	230	7	178	3	255	3	303	10	5	10	11	10	1		1,193
PB004672	133	2	279		407		349	2	293	1	355	1							1,822
PB004673	158		333		518		448	2	460	2	484	3	1						2,409
PB004674	10		39		121		133		155	1	230	1					1		691
PB004675	22		67		153	1	173		175	1	259								851
PB004676	3		13		26		41		51	1	142	2	1						280
PB004677	7		16		21		29		48		104								225
PB004678	55		127		217		241		309		397	1							1,347
PB004679	4		4		33	1	69	3	113	2	179	6		1					415
PB004680	1		4		17		19		28		60			1					130
PB004681	4	1	39		44		52	3	92	1	139	10	13	13	24	23	3		461
PB004682	28	2	54	1	117	2	144	1	166	7	231	4	1	1	2	1			762
PB004683	28	1	49		100		99	1	111	2	177								568
PB004684	62	2	121	4	165	2	141	4	143	3	163	2	2	1	1				816
PB004685	42		102	2	199	3	154	2	160	1	244	1							910
PB004686	18		65		145	1	165		208		283								885
PB004687	47	1	114	1	204	7	229	7	338	12	497	32	15	31	29	34	5		1,603
PB004688	21	1	57		81		90		93	1	128	1							473
PB004689	18		40		75	1	103	1	132	1	187	4							562
PB004690	31	1	83		155		149	1	190		228								838
PB004691	46	3	149	5	255	3	303	3	411	10	564	7	5	10	7	5	2		1,788
PB004692	18		55	3	100	6	79		98		113	4	3	3	2				484
PB004693	129		246	1	432	2	359		458		569								2,196
PB004695	28	3	75	13	158	16	151	19	242	32	362	33	6	9	6	5	1		1,159

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004696	3		6		27		29		36		135	4							240
PB004697	33		77		162		182		191		153								798
PB004698	13	1	65	7	127	6	172	10	221	15	373	13	11	5	10	9	4		1,062
PB004699	178	3	372	10	695	19	567	5	567	10	773	6	9	9	8	5	2		3,238
PB004700	7	1	25	2	76	2	100	5	115	8	218	6							565
PB004701	35		109		228		260		339		415								1,386
PB004702	15	1	36		77	2	111		131	3	201	4							581
PB004703	31		85		149	1	87	1	82		110								546
PB004704	44	1	100	7	181	5	129	6	90	3	99	5	3	2					675
PB004705	27	1	94	4	178	5	253	9	338	7	506	10	4	8	3	1			1,448
PB004706	35		80		158		241	1	234		271								1,020
PB004707	31		60		89		97		126	2	160	4		1					570
PB004708	45	1	127	3	213	3	195	3	208	6	240	4							1,048
PB004709	31		52		85	1	102		140	2	210								623
PB004710	65		158	1	317	1	359	5	397	1	563	1							1,868
PB004711	2		13	1	19	1	49		35	2	141	5			1				269
PB004712	52	3	117	5	185	9	198	4	247	13	317	9	9	11		4			1,183
PB004713	12		26		34	1	38	1	45		93				1				251
PB004714	12		16	3	38	4	45		68	3	100	1	3	5	1				299
PB004715	47	1	114		212		228		194		259								1,055
PB004716	16		45		108	2	134	1	188	4	276	5							779
PB004717	25	1	83	3	147	5	179	5	228	3	361	4	4	7	3	4			1,062
PB004718	2		10		22	1	29	1	40	2	86	4							197
PB004719	63		148		256		231		229		291								1,218
PB004720	7		19		33		60		59		85								263
PB004721	28		60		108		102		92		125	1	1						517
PB004722	22		45	2	135	2	139	2	201	1	292	1							842
PB004723	66	5	144	5	205	16	190	7	197	19	254	13	3	9	5	3	1		1,142
PB004724	1		3		2		12		5		33	2							58
PB004725	25		78		131		174		254		338								1,000
PB004726	82		180		313	1	313		330		417								1,636

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004727	142	1	261	5	521	4	522	3	581	3	746	7							2,796
PB004728	59		171		298		290		355		475								1,648
PB004729	14	1	32	5	78	2	115	3	161	4	174	12	1	8	4	2	1		617
PB004730	21		77		143	4	125	5	136	2	245	12	4	11	7	4	1		797
PB004731	104	1	213	1	377	2	356		414	5	522	2							1,997
PB004732	46		94		155		166		166		214								841
PB004733	12	1	44	3	100	2	95	1	121	1	174	4	1		1	2			562
PB004734	1		12		21		17		32		73								156
PB004735	1		2		14	1	15		34	2	80	2	2	4	1	3			161
PB004736	4		11		14	2	26		39	2	67	7		2	1	1			176
PB004737	11	1	22	3	25	3	11	1	18	2	25	1	2	5	1	2	1		134
PB004738	54	1	115	5	204	6	262	5	301	10	346	12		2			1		1,324
PB004739	21		61		126		121	2	178		242			1	1				753
PB004740	15		27		60		65		89		119								375
PB004741	13		37		65		87	1	74	1	95	1							374
PB004742	3		28		32	1	76	1	92	3	152			4					392
PB004743	9		21	2	62	2	57		67		77	2							299
PB004744	7		33		61		113		146		213	1							574
PB004745	19	1	38		149	1	143		285	5	499	4			1				1,145
PB004746	35	6	100	7	228	15	251	13	308	15	514	32	2	1	1				1,528
PB004747	15		48	1	91		128	1	162	2	244	1	2	2					697
PB004748	53		186	5	272	4	319	4	385	4	598	7							1,837
PB004749	16	1	37	3	86	2	81	2	87	2	93	3	7	7	4	2	1		434
PB004750	28		74	3	185	2	168	2	198	3	309	6	1		1	1			981
PB004751	19		68	2	129		144	4	197	6	303	5							877
PB004752	32		80	2	139	3	139	3	220	6	314	7							945
PB004753	34		111		185	2	180	5	188	2	208	3							918
PB004754	56		104		158		155	1	179	2	247	1							903
PB004755	127	7	262	9	416	5	331	3	348	3	399	7	9	6	7	1			1,940
PB004756	24	1	72		159		157	1	176	1	235	1							827
PB004757	1		6		31		26	1	45	2	108	6	4	10	5	21	1		267

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004758	86	1	156		252		177		187	1	227	2							1,089
PB004759	44		157	3	243	6	255	4	351	5	487	7	14	13	12	4			1,605
PB004760	46		90	2	148	1	127		135	2	168	3	1						723
PB004761	20	1	37	3	121	6	143	3	223	5	329	3	7	9	7	4	1		922
PB004762	23	2	52	4	73	6	71	9	78	11	135	16		1					481
PB004763	46	1	96	5	181	5	263	2	276	6	384	8	5	9	5	5			1,297
PB004765	72	1	145	12	308	12	301	8	374	11	545	9	6	12	4	10			1,830
PB004766	33		58		161		196		230		367								1,045
PB004767	62	1	139	2	232	3	248	1	313	4	394	5							1,404
PB004768	15		33		89	2	71	1	68		73			1					353
PB004769	32	3	84	6	138	1	168	4	160	9	237	9	4	3	6	3			867
PB004770	84	1	157	2	299	1	267	3	274	2	338	2		2	2	1			1,435
PB004771			4		15		11		18		20								68
PB004772	33		75		116		85	2	88		156	2							557
PB004773	102	2	234	13	459	10	459	7	519	7	682	17		1		1			2,513
PB004774	4		5		19		11		19	2	38	1	1				1		101
PB004775	10		35		71		79	1	108		170								474
PB004776	18	1	41	7	81	3	101	15	100	9	160	8	7	12	8	5	4		580
PB004777	35		66	2	116	2	82	1	94	2	92	4	1	4		1			502
PB004778	3		18		48		72		113		151			1					406
PB004779	103	9	222	15	333	20	242	14	197	8	160	4		3	3	1			1,334
PB004780	8		29	1	63		48	1	66		93						3		312
PB004781	18		44		93		81	1	116		292						1		646
PB004782	8		20		84		74	2	119	1	211	4			1				524
PB004783	22		76	2	147	2	144	5	225	5	332	13	13	14	12	5	2		1,019
PB004784	48	2	102	9	210	7	191	11	190	16	168	9							963
PB004785	29		100		208		201		280		411								1,229
PB004786	34	1	99	6	207	7	190	10	227	9	323	11	4	12	8	11			1,159
PB004787	33		76	2	160	2	187	4	196	4	238	5							907
PB004788	84		175		302		307	1	369		412	1							1,651
PB004789	32		82	1	146	5	222	4	249	7	390	15							1,153

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004790	24		63	1	120		115		179		306	1							809
PB004791	30		80	1	165	2	183	1	162	2	248	5							879
PB004792	23		77		145	1	185		247		372								1,050
PB004793	68	2	193	9	360	15	442	20	514	20	588	25	13	14	9	6			2,298
PB004794	9		21		41		27	1	74		119	1							293
PB004795	18		59		117		144	1	227		279	2							847
PB004796	3		9	1	11	1	17	4	30	3	59	1	3	14	7	11	1		175
PB004797	40	2	88	7	201	9	236	4	242	8	334	8							1,179
PB004798	41		97	1	228	1	197	1	200		298								1,064
PB004799	7		15		43		80		65	2	175	1							388
PB004800	72	6	141	4	249	4	246	3	269	6	332	8	3	2	4	2			1,351
PB004801	3		9	2	14	1	22		68	4	57	7		1	1	1			190
PB004802	60	3	134	5	190	9	140	5	158	6	164	11	2	8	3	1			899
PB004803	3		3		10		11		19		42	2							90
PB004804	133		294	1	444	2	424	5	465	6	578	5							2,357
PB004805	10	1	38	1	75	2	49	3	80	1	95	1	4	2	2				364
PB004806	9		19		47	1	59		81		86	1			1				304
PB004807	8		17		39		51	1	92	6	157	7	11	26	21	39	6		481
PB004808	31	1	71	1	99	1	97		66	2	103			1					473
PB004809	78	3	203	7	296	10	224	6	212	3	219	6							1,267
PB004810	72		150		249		299		404		671	1			1				1,847
PB004811	43	1	100		108	3	98	4	105	11	158	5	2	3	4	2			647
PB004812	79		197		368	1	298	1	350		454								1,748
PB004813	27		69	1	123		125		128		187	1							661
PB004814	95	7	191	5	309	11	289	8	307	14	355	12	4	2	5	4	1		1,619
PB004815	14		23		48		61		60		103	2	1						312
PB004816	25		60	1	121		134	2	140	1	257		2						743
PB004817	15		52		62	1	65	1	88		89								373
PB004818	4		30		53	1	76		104	3	187	3	2						463
PB004819	92		260		415		411		428		637								2,243
PB004820	83		236		407		364		434		544								2,068

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004821	52		135	1	200		218	1	233	1	367	3	1						1,212
PB004822	60	1	149	5	248	10	236	5	245	13	383	15							1,370
PB004823	74	11	243	15	443	27	383	18	374	20	424	17	15	12	7	10			2,093
PB004824	57	5	191	16	385	10	462	11	485	16	645	15	1	1					2,300
PB004825	9		24		32		61		88	1	152	1	1			1			370
PB004826	19		46		105		77		102		96								445
PB004827	56	3	150	7	249	5	260	6	319	4	458	21	5	29	5	12			1,589
PB004828	4		9		28	2	59	2	69	7	130	11	10	18	6	5			360
PB004829	69	1	138	5	288	6	247	3	281	2	356	4	2	2					1,404
PB004830	12	1	34		52	1	50		49	5	67	3	1	1					276
PB004831	3		11	1	43		27		59		107	1	1	2	2	3	1		261
PB004832	25		59	2	113	1	105		90		103	1	1						500
PB004833	60		159		232		285		299		383								1,418
PB004834	50		89		117		129	1	108	1	152	1		1					649
PB004835	12	4	23	6	55	2	60	4	80	4	105	14	7	4	8	3			391
PB004836	61		151	1	232	3	306	3	306	5	427	1	1	1	2	1			1,501
PB004837	135	3	326	9	522	9	422	10	410	10	469	11	4	4	1				2,345
PB004838	35		66		177	2	194	6	222	8	397	12	1						1,120
PB004839	25	1	77	2	127	9	108	9	122	7	166	3				1			657
PB004840	57		154	1	265	1	251	1	207		192								1,129
PB004841	38		84	6	178	3	221	2	285	6	355	7		3					1,188
PB004842	48	9	101	8	199	11	173	17	207	17	275	19	9	7	9	5			1,114
PB004843	192		477		647		505	3	400		365								2,589
PB004844	21		64		86		72	1	70		81	1							396
PB004845	30		78		110		88		110		148								564
PB004846	1		2	1	12	2	31		54	2	88	9	1	4	3				210
PB004847	59		146		242		219		237		267	1				1			1,172
PB004848	14		42	1	92	1	119	1	216	2	341	4							833
PB004849	57	4	155	8	290	18	337	13	358	19	551	27	27	18	41	23	3		1,949
PB004850	22		63		102		96		89		96	1			1				470
PB004851	59		166		231		257		241	1	350	2							1,307

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004853	88		164		198	5	148		150		182	3	3	1					942
PB004854	69	4	146	7	245	17	300	13	359	12	474	19	16	25	8	13			1,727
PB004855	3		16	2	32	1	69		77	2	159	9	14	33	20	34	3		474
PB004856	22		64		100		126	1	126		205	7							651
PB004857	8		37		77		91		157	1	168								539
PB004858	67		166	4	249	4	239	3	295	3	398	3	1	1		1			1,434
PB004859	3	1	2		12		41	1	37	1	86	2	1	2		1			190
PB004860	46	1	87	2	129	2	132	4	155		216	4	1	1	1	2			783
PB004861	39	2	97	5	143	4	108	4	118	1	141	3	5		2	1	1		674
PB004862	67	3	119	3	207	3	142	1	142	4	164	2	1			1			859
PB004863	52		86	1	192	1	217	1	321	3	457		1						1,332
PB004864	5		22	4	43	4	44	2	63	6	151	19	1						364
PB004865	35		89	1	163		199		220		255								962
PB004866	35		71	2	121		83	1	75	2	67	1							458
PB004867	51	1	94		162	6	126	4	154	1	196	6	1	1	1			1	805
PB004868	58	15	223	30	328	42	329	58	262	63	309	64		1					1,782
PB004869	66	8	161	8	254	15	256	9	302	19	312	13	8	7	5	3			1,446
PB004870	65	3	169	7	312	5	259	9	258	10	390	15				1			1,503
PB004871	53	1	118	3	210	6	149		155	1	255	5							956
PB004872	19	2	65	3	119	9	161	7	177	23	252	16							853
PB004873	39		125		210	1	264		323		505								1,467
PB004874	9		43		78		107		132		191								560
PB004875	19		53		114		130		179		286								781
PB004876	19		73		132		121		142		197								684
PB004877	30		74	1	109	7	137	1	113	3	181	3	4	12	3	7			685
PB004878	15		51	1	100		126		163	1	249								706
PB004879	69		184		333		302		329		395								1,612
PB004880	48		87		186		156		167		215								859
PB004881	57		128		302	1	323	1	347	1	527	1							1,688
PB004882	6		9		26		35		34	2	84	4							200
PB004884	24	3	68	2	139	2	120	7	125	3	171	4	9	4	2	1			684

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004885	9		34		61		69	1	87		128	1							390
PB004886	6		28		68	2	103	1	114	1	201	1			1	1			527
PB004887	44		89		198		231		259		413								1,234
PB004888	15		41	5	114	7	136	2	163	6	210	3	2	4	5	4			717
PB004889	55		186		287		329		343	1	477								1,678
PB004890											7								7
PB004891		2	13	4	23	6	18	3	23	4	44	4	6	4	2	3			159
PB004892	16		30		77		71		95		133	3				1			426
PB004893	41		145	1	257		288		314		451								1,497
PB004894	28	2	76	5	147	11	174	7	223	19	364	21							1,077
PB004895	29	1	116	1	209	8	230	9	265	7	300	12	2	7	2	4			1,202
PB004896	60		143	1	259		214	1	197	3	226								1,104
PB004897	25	3	68		109		62	4	85	1	126	5	2		2	1			493
PB004898	47		140	3	256	8	257	6	281	7	294	4			1				1,304
PB004899	11	2	29	2	46	6	71	3	72	5	87	7	6	4					351
PB004900	27		89		155		226		244		377			1					1,119
PB004901	58		109	12	187	25	219	21	252	26	348	38	43	141	26	23	4		1,532
PB004902	7	1	11		33		34	2	53	3	168	13	13	20	23	19	1		401
PB004903			2		1		11		19		53	1		1					88
PB004904	36		87	3	144	4	107		136		150	2	1	2		1			673
PB004905	107	11	255	15	402	14	321	7	299	10	405	12	5	8	7	8			1,886
PB004906	37		99		185	1	275	3	353		509	4	1	1					1,468
PB004907	31	1	78	1	149	2	159	4	188	4	237	4	1			1			860
PB004908	9	2	25		73	1	78	2	80	1	102	5			1				379
PB004909	74		150		249	1	214		179	2	239								1,108
PB004910	3		11		24		33		67		91	3		1					233
PB004911	51		107	1	190	2	190		201	1	281	2		1					1,027
PB004912	67	3	131	8	257	7	226	6	271	9	259	8	5	8	2	1			1,268
PB004913	36	4	105	7	143	8	143	8	150	5	202	6	4	6	1				828
PB004914	33	5	92	19	195	19	166	22	173	25	232	20	18	11	6		1		1,037
PB004915	4	1	23		43	2	45	2	114		168	10		2	2	1			417

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004916	10		13		13	1	20	2	21	3	21	1	4	12	2	6	5		134
PB004917	10		36		40		36		58	1	78	2	1						262
PB004919	39		99		222		176		188		239								963
PB004920	3		6		18		13		12		15								67
PB004921	14		36	2	71	2	56	1	77	1	121	1			1	1	1		385
PB004922	11		28		65		72		71		97	3							347
PB004923	38	2	121	4	208	4	203	4	238	4	316	6	1	1					1,150
PB004924			2		4		4		6		1								17
PB004926	3		19		24		28	2	40	4	114	7					1		242
PB004927	3	1	17	1	34	4	69	3	79	4	144	12	12	35	14	28	4		464
PB004929	7		21		81		84		97		190								480
PB004930	22		80	2	121	2	234	1	214	3	300	9	2	1	3	1			995
PB004932	5		20	1	36	4	44	2	54	7	157	5	5	10	22	15			387
PB004933			1		9		7		16	1	47	4	2	1		4	3	1	96
PB004934	2	1	19		35	2	51	2	70	4	64	11	8	17	17	11			314
PB004935	36	2	79	6	151	2	148	2	136	5	193	1	1						762
PB004936	42		102	2	226	3	257	7	368	8	590	18							1,623
PB004939	4		7		22	3	24	1	67	3	97	20	19	37	38	33	1		376
PB004941	4		3	1	18		48		69	3	137	10	13	20	19	27	4		376
PB004942	3		11	1	56	1	77	2	152	2	258	12	19	15	18	7	2	1	637
PB004943	13		23	2	36	2	65	2	75	3	116	5	7	16	6	7	1		379
PB004944	16	1	33	1	54	2	86	1	107	10	187	9	6	28	14	33			588
PB004946	39	3	82	10	161	4	175	6	227	4	309	2	13	6	5	4	1		1,051
PB004947	24		69	2	139	4	177	1	202	2	281	5	1						907
PB004948	2		3		10		4		4		4								27
PB004949	42		118		260		246		289		369								1,324
PB004950	15		66		135	1	166	1	237		283		2						906
PB004951	13		52		59		49	1	74	2	86								336
PB004952	24		104		162		150	1	152	1	169	1							764
PB004957	5		11		14		18		56	1	27		1						133
PB004958	61		198		358		339		327		496								1,779

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004960	8		31	2	42	4	58	1	96	8	171	18	2	1					442
PB004961	84	8	220	20	405	22	335	25	355	30	467	35							2,006
PB004962	29		78		132	2	133	1	165	1	263	1	4	1					810
PB004963	22		90	1	149	3	122	3	118	4	149	1		1					663
PB004964	23	1	49		71	1	74		58		79								356
PB004965	37		71	1	120	2	76	3	95	1	96	1	1		1				505
PB004966	97		212	1	336	1	277	1	270	3	374		1						1,573
PB004967	33		102		222		242		305		357								1,261
PB004968	51		72		154	1	134		147	1	168	2							730
PB004969	4		17	1	28	1	31		31	3	33	1	1		1	2			154
PB004970	72		173	1	280		257		301		376								1,460
PB004971	50		100		219		189		231	2	301								1,092
PB004972	42	3	107	11	204	11	211	8	197	6	234	8	3	1		2	1		1,049
PB004973	39	1	95	2	141	2	135	1	207	5	286	6	1	1					922
PB004974	48	1	108	7	222	10	252	12	311	9	393	17	6	11	12	5			1,424
PB004975	14		25		46		74	1	104		193	3							460
PB004977	59	2	155	12	279	13	269	7	290	7	364	13	10	10	6	5	3		1,504
PB004978	54	1	104		226	1	200		252		373								1,211
PB004979	11	6	32	5	57	10	57	11	64	14	68	18	10	9	4	3	1		380
PB004980			9		8		21	1	18	4	24	6	6	6	6	4			113
PB004981	45		118	1	220	2	204	2	233	5	279	3							1,112
PB004982			2		17		10		33		166								228
PB004983	66	3	164	4	238	4	220	3	309	6	390	8	2	8	5	7	2		1,439
PB004984	7		21		69		58		91	1	209	6		1	1				464
PB004985	31	1	79	2	139	8	150	7	179	2	219	5	1						823
PB004986	12	1	29	2	55	1	58	3	40	4	83	6		1	1				296
PB004987	15		39	3	78	2	57	2	71	5	78	3	2						355
PB004988	26		84	4	167	7	203	4	256	7	416	14	9	9	6	5			1,217
PB004989	5	1	23		24		6		6		15								80
PB004990	29		88		178		246		289		469								1,299
PB004991	49	4	128	2	209	3	251	6	280	5	393	4	5	4	5	5			1,353

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL	
PB004992	26		112		226		287		376		446									1,473
PB004993	24	3	47	5	89	1	112	6	154	5	223	9	4	7	3	3	1			696
PB004995	23		64		117	1	141		183	1	255									785
PB004996	25		39	1	79	1	38	2	91	2	125	3								406
PB004997	45		166	1	282		335		356	1	419	1								1,606
PB004998	5	1	18	2	31	2	32	1	50	5	90	7		1		1				246
PB004999	4		13	1	22	2	47	4	41	4	73	3	9	7	4	3				237
PB005000	70		197	1	394		370		353		443	2								1,830
PB005001	38		145		185	1	207		231	3	292	2								1,104
PB005002	39		107		226		287		336	1	459									1,455
PB005003	18	1	45	1	121	7	126	6	206	13	260	20								824
PB005004	18	3	64	6	78	5	89	5	97	8	144	12	11	24	35	30				629
PB005005	31		73	3	127	5	130	1	148	4	266	7	2	2	4	1				804
PB005006	27	1	81		146	1	186	1	182		259	2				1				887
PB005007	108	2	241	1	410	3	363	1	423	1	526	2								2,081
PB005008	41		108	1	217	1	211		228	2	345									1,154
PB005009	58	1	116	2	163	1	94		118		125									678
PB005010	15	1	35	2	55	2	72	3	84	9	134	14		1					1	428
PB005011	81		202		263	1	263		330	1	413	1								1,555
PB005012	7		16		34		46		73		100									276
PB005013	6		17		42		51		106	2	175	3						1		403
PB005014	20		36	1	63		52		58		73									303
PB005015	20		80		186	4	205		237	4	378	3								1,117
PB005016	54	4	119	9	151	14	143	11	131	24	184	30	2		1					877
PB005017	61	3	183	2	345	3	404	5	457	6	672	5	4	6	3	4	1			2,164
PB005018	18		63		117		113		96		113									520
PB005019	23	1	52	1	82	4	96		115	1	121	6	6		2	3				513
PB005020	31	1	91	2	168	8	182	3	221	7	338	8		6	1	2	3			1,072
PB005021	29	3	49	7	96	10	108	6	101	13	129	13		1						565
PB005022	39		103	2	214	4	265	3	307	6	453	9	1	1						1,407
PB005024	4		24		45		48		61		69									251

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005025	18		50	1	72		75	1	106	3	139	4							469
PB005027	7		14		13	1	44	1	44	2	39	8	2	12	4	4	1		196
PB005028	72	5	173	8	299	5	223	3	189	5	217	8	3	3					1,213
PB005029	9		43	1	66	4	57	1	72	5	102	5					1		366
PB005030	63		162		220		204	2	189		251			1					1,092
PB005031	27		56	5	121	1	157	1	199	5	234	4	3	4	1	9	1		828
PB005032	87	4	170	10	327	18	303	20	287	25	379	22	5	8	1	5	1		1,672
PB005033	12	1	29	1	58	1	77	2	86	1	200	2	1	1	1				473
PB005034	17		52		83		90		87		99								428
PB005035	26		98		183		187		252		391	1							1,138
PB005036	31		82		135	2	111	1	115	2	182	7		1					669
PB005037	25	6	73	8	133	10	120	10	129	12	227	11	2	3	1				770
PB005038	10		28	1	45		41		52		64								241
PB005039	71	2	134	4	246	8	282	7	296	9	318	6	4	3	1	1			1,392
PB005040	29		80	1	137	2	116	2	140	1	179	1							688
PB005041	31	5	84	8	173	8	150	8	160	12	204	10	13	7	3	1			877
PB005043	28		63	1	107		73	1	100		89	2							464
PB005044	6		23	2	37	1	53	4	75	2	102	4				1			310
PB005045	66	6	185	14	314	14	291	12	306	9	392	20	10	18	8	7			1,672
PB005047	13		33		52		69	3	83	1	122	1				1			378
PB005048	2		6		11		8		8		12	1							48
PB005049	29	2	79	10	166	8	169	3	228	6	317	11	6	10	3	2			1,049
PB005050	18		51		121		138		107	1	201								637
PB005051	3		17		24		30		54		93	6		1					228
PB005052	36	2	141	6	237	7	219	6	271	4	299	4	7	4	4	3			1,250
PB005053	51		112		195	1	115	1	110		157								742
PB005054	17	3	62	4	142	7	121	3	90	2	115	4	2	10	2	2			586
PB005055	18		61	4	115	4	113	3	91	3	125	4	3	3	2				549
PB005056	93	6	194	11	277	14	289	16	264	16	329	18	24	21	9	9			1,590
PB005057	3	1	9	2	34	3	38	2	46	5	46	4	1	2	2	1			199
PB005058	8		20		25	3	39		56	2	75					3			231

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005060	9	3	24	3	45	2	55		51	3	73	3	1		1	1			274
PB005061	10	2	22		19	1	4	1	9		22	1							91
PB005062	18		76		174		185		222		328	1							1,004
PB005063	14		40		44	3	62	2	61	1	86	4	2	1	2	1			323
PB005064	27		99	1	184	3	183	2	236	1	372	6	5	8	2	9			1,138
PB005065	23	1	78	4	152	8	200	6	263	9	398	5	12	10	8	7	1		1,185
PB005066	6		14		41		65		99		197	3		2	2				429
PB005067			1		5		8	4	9	2	20	5							54
PB005068	23	1	62	1	117	6	127	5	128	2	183				1				656
PB005069	41	1	118		200	6	180	5	201	6	188	5							951
PB005070	32		72		150	1	115		107		132								609
PB005071	49	1	81	4	144	1	117	2	105	1	115								620
PB005072	28		49		100	1	97	1	83		121	2							482
PB005073	153		344	1	514	1	505	2	533	1	598	3	3						2,658
PB005074	77		188		336	2	265	3	229		207								1,307
PB005075	61		155		250	2	205		229		262								1,164
PB005076	44	3	170	21	295	20	300	16	266	15	270	12	13	7	2	5			1,459
PB005077	24	1	69	3	170	4	205	9	286	6	419	24	6	12	4	4			1,246
PB005078	20	1	64	5	92	5	98	5	87	7	117	10	3	1	1	1			517
PB005079	37		69		123		145		243	1	328	1			2				949
PB005080	36		117	1	160	4	154	1	178	4	229	3	4	9	9	1			910
PB005081	31		125	4	190	11	158	4	160		200	6	8	4	2	2			905
PB005082	27		66		146		145		144		170								698
PB005083	59	1	122	3	226	5	334	4	419	12	603	7	14	15	10	16	1		1,851
PB005085	55	1	114		222	3	185	1	230	2	290	2							1,105
PB005086	24		40	1	86	1	114		146	2	232	2							648
PB005088	21		49	1	97	1	98		173	1	188	1							630
PB005089	134	1	256	1	503		367	1	355	1	500	1							2,120
PB005090	17		131		263		284		306		382								1,383
PB005091	6		14		37	1	87	1	170	9	209	11	13	40	16	21	2		637
PB005092	49		125	2	189	1	179	2	175	1	251	1	1	1	1	2	1		981

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005094	2		10		28		38		70		130								278
PB005095	10		43		83	2	162	1	210	2	241	2	1		2				759
PB005096	6	1	13		40		32		59	1	92	5							249
PB005097	1		8		12		13		12		30								76
PB005098	51		128		244	1	234		241	1	344	1			1				1,246
PB005099	50	2	93	5	228	3	203	6	229	3	348	5	2	3	1	7			1,188
PB005100	9		25		63	1	69		85		114								366
PB005102	73	5	149	2	265	3	187	3	211	2	209	4	5	1	1	1	1		1,122
PB005103	59		151		197		161	1	155		167	1	1						893
PB005104	29		109		162		238	1	296		359	2	1						1,197
PB005105	26	1	75		139		146		167		243	4							801
PB005106	18		39		114	2	122	1	184	2	257	2							741
PB005107	34		64	3	140		136	1	162	1	234	1	1						777
PB005108	30	1	83	5	141	2	178	4	182	5	213	3	3	3	1	2			856
PB005109	22		60		100	1	121		142	2	194	1							643
PB005110	26	1	57	2	112	1	104		109	4	142	5	1		1	2			567
PB005111	7	2	12	2	19	4	32	5	65	7	151	13							319
PB005113	45		149	1	282	2	286	1	286	1	398	2							1,453
PB005114	15		37	2	51	1	73	2	81	3	133	3	4	4	2	6			417
PB005116	33	3	109	7	162	12	128	3	137	6	170	12	7	3	4				796
PB005117	2		11		33	5	37	7	77	9	144	12	13	9	12	7			378
PB005118	14		40		57		51		56		99	1							318
PB005119	40	7	134	10	267	5	290	9	341	5	569	8	5	12	7	6	1		1,716
PB005121	6	1	5	3	32		39	2	61	16	176	21	19	19	35	77	2		514
PB005122	40	1	105	1	194	3	246	5	287	3	397	9	8	9	4		1		1,313
PB005123	38		79	9	146	6	117	3	113	5	144	5	1		1				667
PB005124	17	1	65	1	94	1	112	3	112	7	135	4	2	8	4	2	1		569
PB005126			10		18	1	49		84	3	94	1			1				261
PB005128	45	2	108	3	173	1	146		173	1	190	2	2	3	1	1	2		853
PB005129	17		45	3	78	4	89	5	110	6	217	15	18	10	34	22	2		675
PB005130	20	1	56	1	96	3	130	2	185	4	231	5	2	3	2	2			743

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005131	9		51		125		116		159		256								716
PB005132	14		26	1	71	1	74	3	88	3	133	4	2	1		1			422
PB005133	12		21		43		26		24	3	33	1	1	1	1				166
PB005134	7		57		116	2	167		186		305	1							841
PB005135	1		2	1	16		11		28	1	37	7	10	30	27	24	2		197
PB005136	31	1	84	1	183		182	2	157	2	237	5							885
PB005138	4		5		28		33		40	1	66	3							180
PB005139	3		13		31		27		48	2	93	3	3	4	3	11	1		242
PB005140	22	1	63	2	113	4	139	2	143	5	210	3			1				708
PB005141	16		46		95		118	1	138	1	177	3				1			596
PB005142	43	4	101	7	219	10	189	11	252	14	340	24							1,214
PB005143	6		14		41	2	37	1	40	2	43	1							187
PB005144	7		14	1	23	1	34		43	2	92	2							219
PB005145	14	3	43	1	68	13	74	13	80	19	110	14	3	6	4	2	1		468
PB005146	17	1	57		42	1	33	2	39	2	59	2	1	2					258
PB005147	25		78		174	4	203		278	6	361	6	5	5	3	1			1,149
PB005148	6		27		50		79		99		190								451
PB005149	24		66		115		134	2	148	1	191	1	2						684
PB005150	82		238		499		405	2	470		510		1						2,207
PB005151	32		76		150	1	166		203	2	207								837
PB005153	8	1	21	2	53	1	55		77	1	139	5	3	4	3	2			375
PB005154	67	2	184	11	373	16	353	16	288	18	345	4	15	12	9	2			1,715
PB005155	2		6	1	12		21		31	1	63	2	10	12	2	8	2		173
PB005156	32		121		274	1	338		417	1	626								1,810
PB005157	4		13		20	2	34	1	50	4	86	6		1					221
PB005158	18		68		153		219		251		315								1,024
PB005159	35	2	88	1	128	4	128	2	137	4	174	2	4	4	1	1			715
PB005160	104		197		356	1	307	1	314		422								1,702
PB005161	74		241	1	410		390		363		395								1,874
PB005162	43		147		246		230		169		105								940
PB005164	94		211	5	316	5	298	8	267	4	271	5							1,484

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005166	20	1	43		97	1	93	1	139		192	2	1						590
PB005167	3	1	11	2	43	2	39	6	73	14	179	17	6	4	5	6			411
PB005168	9	1	52	8	103	10	114	9	93	4	69	8	2	2					484
PB005169	56		165	1	238	5	317	5	296	5	427	6			1				1,522
PB005170	3		19		50		62		65	2	164		1	2	2				370
PB005171	2		11		12		26		47	1	95	5	7	14	2	22	6		250
PB005172	21	1	36	4	69	4	80	3	84	4	115	8	1	3	1	4			438
PB005173	3		14		35		48		92		150								342
PB005174	44	1	96	3	156	2	123	1	152		175			1					754
PB005175							1		1		10								12
PB005176	55	3	131	13	259	15	288	14	327	17	438	16							1,576
PB005177					1		2												3
PB005178	78		196	3	254	4	215	1	207	4	256	1							1,219
PB005179	2		9	2	15	1	11		13	1	22								76
PB005180			6		10		9		33		58								116
PB005181	6		16	3	15	2	26	1	37	7	81	5				1	2		202
PB005182	57	2	120	4	167	6	177	4	210	3	227	4	1			1			983
PB005183	66		191		336	2	360		429	1	599	3							1,987
PB005184	38		109		202		231		242		252								1,074
PB005185	29		96	1	161	4	183	1	176	6	230	10							897
PB005186	24		95		201		208	2	269	6	359	8							1,172
PB005187	26	2	42	6	109	4	116	5	133	2	197	6	3	2		2			655
PB005189	9		10		37		40		69		194	1							360
PB005190	5		20	1	45		57	1	74	1	200	6			1				411
PB005191	4		6		9		25	1	26		92	4		2					169
PB005192	1		4		21	1	29		41	2	110	4							213
PB005193	25	1	61		147		146		145	1	215								741
PB005194	5		18	1	38	1	48		66	1	104	1			1				284
PB005195	29	2	60	2	93	5	140	4	156	5	221	5	3	6					731
PB005196	30		67	2	127	4	152	1	201	5	280	6	3	4	2	3			887
PB005197	20		74		111		146		184		226								761

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005198	102	2	240	8	376	16	303	9	295	5	384	4	1	4	3	2			1,754
PB005200	47	7	150	19	295	16	229	12	227	12	236	9	12	6	5	2			1,284
PB005201	40		154	1	273	3	382	1	513	2	663	6							2,038
PB005202	30		109		209	2	250		275	1	430								1,306
PB005203	14	1	30		62	1	95	2	104	1	137	1							448
PB005204	35	2	79	7	182	3	177	5	225	17	230	8	7	18	4	5			1,004
PB005205	27		112	1	219		253	4	300	2	351	6							1,275
PB005206	14		54	3	127	1	110	4	125		185	5	6	5	3	5	1		648
PB005207	19		55	1	109		197	2	302	5	452	5	1	1					1,149
PB005208	89	5	182	12	304	11	245	8	253	11	297	14	11	17	17	22			1,498
PB005210	36		95		160		165		191		268								915
PB005211	1		5		6	1	21		24	2	65		1	2					128
PB005212	25		71	3	105	4	93	2	71	1	94	5	1		1				476
PB005213	51		113		187	1	200	1	203	2	294		1						1,053
PB005215	58		165	1	333		376		294		410								1,637
PB005216	37		107	1	171	1	256		353		478	2							1,406
PB005217	54		171	1	242		351		404		584	1			1				1,809
PB005218	28	2	93	18	201	13	230	13	240	11	290	10	5	5	7	3	4		1,173
PB005219	12		70		105		130		197	3	296								813
PB005220	48		114	1	215	1	215		221	2	275								1,092
PB005221	17		32	1	64		71		59	1	78	3			1				327
PB005222	38		150		230		185		188		220								1,011
PB005223	9		17		27		31		57	1	73	1							216
PB005224	32	1	66	2	82	1	53		48		52	1	1		1	1	1		342
PB005225	61		114		217		182		228	1	274	2							1,079
PB005226	93	1	255	1	454	2	470		582		714	1		1					2,574
PB005227	75	1	195	6	254	6	227	2	205	5	209								1,185
PB005228	62	3	157	4	229	7	189	7	149	10	176	17	27	24	41	20	14		1,136
PB005229	27	3	46	2	110	2	109		148	5	175	5	3	5	2	1			643
PB005230	14		49		104	1	112		150	1	245	1							677
PB005231	1		5		11	1	14	2	16	2	36	1	13	10	12	8			132

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005232	19	1	56		92	2	110	2	177	2	231	4	5	6	2	3			712
PB005233	41		119		217		256		348		468								1,449
PB005234	41		111		154		129		140	1	229								805
PB005235	45	8	133	12	256	13	268	16	282	18	358	24	21	15	8	5			1,482
PB005236	71	11	188	22	292	23	211	5	185	5	132	3	3	3	2				1,156
PB005237	39	2	93	3	201	6	185	5	197	5	263	5	4	4	2	3	1		1,018
PB005238	47	1	122	1	180	3	237	3	248	2	347	1	2	1	1		1		1,197
PB005239	35	1	97	8	168	9	148	10	161	12	192	5	1	1	1				849
PB005240	16		59	1	124		115		132		149	1							597
PB005241	11		47		74		66	1	65		126								390
PB005242	62	7	200	11	401	24	458	16	511	30	668	30	18	21	6	11	1		2,475
PB005243	1		9		13	2	30	1	56	2	112	4	9	12	13	2	1		267
PB005244	9		33	3	64	1	64	4	65	1	81	1	4	1	2	3			336
PB005245	23	1	37	4	99	3	83	1	132	2	190	5	5	3	3	3	2		596
PB005247	18	1	89	7	134	1	179	12	200	5	339	16		1		1			1,003
PB005248	14	1	59		113	4	145	4	188	2	318	6		1		3			858
PB005249	20		65	2	171	4	224	11	289	11	368	19	4	5	1	5			1,199
PB005250	22		60		89	1	91	1	119	4	214	10							611
PB005251	55	1	115	2	203	6	180	1	197	5	207	1	2	1	4	4			984
PB005252	31		114	1	204		206	1	243	2	334		1		1				1,138
PB005253	6		35	4	36	6	50	3	37	1	66	8			1				253
PB005254	1		10		20	2	48		55	3	114	1	10	15	7	6	2		294
PB005255	3		15		27		41		54		78	1							219
PB005256	4		18	2	32	1	75	2	111	2	189	13	9	40	5	29	3		535
PB005257	5		9		29	4	41	4	68	2	150	21	20	37	43	34	3		470
PB005258	3	1	15	1	28	2	44		78	2	172	6	8	21	26	38	2		447
PB005259	2		6		11	2	24		89	2	95	5	7	30	14	8	1		296
PB005260	5		23	3	55	1	66	1	84	3	140	4	2	2	2	2			393
PB005261	20	1	50	7	60	2	36	4	44	6	89	5	3	4	6	5			342
PB005262	108	2	271	9	534	14	516	11	608	21	843	27	15	16	17	11			3,023
PB005263	4		10		24		29	1	47	2	86	2			1				206

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005265	69	3	175	2	328	2	319	1	371	2	504	2	2	2	1				1,783
PB005266	132	6	265	18	422	12	346	11	253	6	298	13	2						1,784
PB005267	17	5	44	6	96	3	111	8	115	3	169	6	6	9	7	8	1		614
PB005268	34	2	68	4	130		110	1	61	2	86			1					499
PB005270	2		2		6		11		18		27	1					1		68
PB005271	44	1	138	10	320	6	352	4	373	7	426	6	5	13	3	4	1		1,713
PB005272	34	1	102	4	168	2	212	5	271	5	423	10		1					1,238
PB005273	1		2		5		8	1	10	4	56	8	5	19	8	5			132
PB005274	4		16		45		45		66	1	112	2							291
PB005275	6	2	2	1	37	3	52	3	101	10	155	16	14	33	8	12			455
PB005276	1		7	1	17		15	1	24	1	45	4	2	3					121
PB005277	74		191		361		311	1	354	2	422	1							1,717
PB005278	39		135	2	296	4	333	5	436	7	605	7							1,869
PB005279	11		59	3	123	4	159	6	175	3	227	6		1					777
PB005280	45	1	108		194		247		253	2	353								1,203
PB005281	3		13		18		28		44		78	1							185
PB005282	142	1	301		503		547	1	578	2	823								2,898
PB005283			5		9		10		14	1	16	2	5	5	1				68
PB005284	48		88		127	1	91	2	88		123	1							569
PB005286	8		18	1	55		51		82		100				1				316
PB005287	48	2	120	2	221	2	199		225	2	217	1							1,039
PB005288	3		18		22		32		32		38								145
PB005289	12		11	1	40	1	34		75	3	144	5	2		2	2			332
PB005290	14		38		86		105		174	1	304								722
PB005291	19	1	47		75	2	75	1	106		89	1							416
PB005292	61	2	145	2	224	1	225	4	209	2	261	2							1,138
PB005294	40		76		135		130	1	134		169								685
PB005295	18	2	57		75	2	59	3	44	2	53		1	1					317
PB005296	7		40		87	2	86	1	68		113								404
PB005297	10		17		59		71		77	3	115				1				353
PB005298	12		30	1	75		80	1	109	1	143	4	2	3	2	2			465

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005299	13	1	37	1	69		46		50	1	70								288
PB005300	44		108		199		185		158	1	207								902
PB005301	25		59	1	103		144	2	179	1	242	1	2	1					760
PB005302	5		14	1	45	2	35		70	5	120	10	6	17	28	24	4		386
PB005303	28	1	79	1	134	2	134	1	142	1	198	1		1					723
PB005304	10		17	2	22		10		5		16						1		83
PB005305	11		13	1	21	2	15	1	26	4	47		3	3	8	7			162
PB005306	58	1	124	3	273	2	266	6	319	4	395	1							1,452
PB005307	3	1	3		9		12	1	27		57	3	3	8	4	8			139
PB005308	9		26		34		23		59		142								293
PB005309	30	4	75	5	154	7	161	12	164	7	191	11		4					825
PB005310	13		25	3	45		40		57	2	86	2							273
PB005311			12	2	32		50	1	115	3	158	6			1				380
PB005313	9		13	1	27	1	44	1	53	4	68	1	10	4	1	3			240
PB005314	1		7		42	2	105	3	116	3	189	6	1	1					476
PB005315	33	1	97		160	7	203	7	258	10	351	9	2		1	1	1		1,141
PB005316	8	1	20	1	42	1	68		64	9	145	10	10	12	6	12	1		410
PB005317	30		77	2	150	1	141	1	141	1	216	1							761
PB005318	36		98	1	166		199	3	270	1	458				1				1,233
PB005319	14		41		68		77		122		183								505
PB005320	5		13		25		39		56		130	1					1		270
PB005321	16	2	60	3	86	3	78	2	110	5	124	4	5		1	4	1		504
PB005322	33	1	92		203		288	1	343	1	465	1							1,428
PB005323	43		108		167	1	174	2	231	1	288	1			2				1,018
PB005324	2		12		22	2	36	1	60	4	136	17	34	30	15	20	3		394
PB005325	53	1	111	3	145	4	73	5	63	5	78	5							546
PB005326	49		95		193		169	1	165		214	1	1						888
PB005327	1		2		8		23		46	4	99	9	15	24	36	8			275
PB005328	5		8		16		17	1	38	1	72	2		1					161
PB005329	75		183	1	269		291	2	249		304								1,374
PB005330	42	1	92	3	174	1	120	4	108	6	118	5	1	2			1		678

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005331	15	1	40	1	34	2	20		20		27						1		161
PB005332	24	2	40		86	1	85	1	89	3	102				2	2			437
PB005333	24	3	71	2	182	8	222	10	265	5	361	10	8	8	12	9			1,200
PB005334	28		62		101		116		141	1	174	1							624
PB005335	8	1	31	1	84	4	111	4	152	7	307	26	35	70	37	45	5		928
PB005336	84	3	186	21	321	13	270	18	307	17	346	24	1	1	1				1,613
PB005337	5	1	6		4	1	29	1	32	2	36	3				2	1		123
PB005338	20		57	3	77	1	52	1	61	1	52		3	2			1		331
PB005339	35	1	71		138	2	116	2	129	3	166	1				1			665
PB005340					5		3		6		7								21
PB005342	25	1	49	2	102	2	122	5	118	1	205	7	1	1	2	4			647
PB005344	38	1	88	9	169	9	158	7	192	10	216	12	3	4	2	5			923
PB005345	2		8	2	22	2	25		29	1	31	1		1					124
PB005347	56		134		274		289		330		522								1,605
PB005348	20		49	2	90	3	129	5	133	3	208	8	1	7	4	2			664
PB005350	19		91		142		142		185		238								817
PB005351	14		32	5	56	3	89	1	92	6	135	3							436
PB005352	14		35		78		84		109	1	134	1		1					457
PB005353	31		99		170	1	174	1	206		277	1							960
PB005354	11		26		78		75	1	111		176	1				1			480
PB005356	22		42		75	2	78	3	95		125	1							443
PB005357	122	5	304	8	503	2	415	2	343	7	431	3							2,145
PB005358	28	3	87	3	127	7	134	5	129	2	109	7	4	1	1				647
PB005359	43	7	105	5	166	8	164	5	152	5	185	4	5	3	3	2			862
PB005360	39	2	88	7	196	8	204	6	214	10	264	13	14	16	7	6	2		1,096
PB005362	4	1	7	1	13		22		33		54	1	1						137
PB005363	3		9		23		25		26		58	1							145
PB005364	5		27	1	52		37	3	67	3	187	3							385
PB005365	25		40	6	64		46	2	40		56	1	2						282
PB005366	22		71		111		96		139		176								615
PB005367	8		16	1	25	4	31	3	29	1	77	9	4	8	5	5	1		227

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005368	13		30	1	81		79	1	121	4	200	2	5	5	9	8	2		561
PB005369	45		98		152		204		231	2	344	3		2	2		1		1,084
PB005371	26		31		64		63		63		78								325
PB005372	46	3	119	4	212	13	155	9	186	10	262	9	5	7	5		2		1,047
PB005373	6		16	1	37		40	4	52	4	114	7	16	17	13	21	4		352
PB005374	163		370		568		513	1	593	1	792	1	1						3,003
PB005375	23		54		77		54		79	1	63								351
PB005376	26		72	1	151		138		134	3	199								724
PB005377	124	1	249	2	457	1	350	2	347	1	350	1	3						1,888
PB005378	24	1	54	5	80		66	2	67		102	1	1	3	1				407
PB005381	5		9		29	1	44		70	2	150	2		2	1				315
PB005382	26		82		118		131		127		154								638
PB005383	14		36	1	66	1	82	1	71	1	122	2							397
PB005384	23	2	81	9	116	9	131	6	153	9	198	17		1	1	1	1		758
PB005386	21		49	1	84		96	1	77		96	1		1					427
PB005387	34		81		226	4	257	4	306	4	476	7					1		1,400
PB005388	2				3		9		5		8							1	28
PB005389	1		6		8	1	14		19	2	18	2				1			72
PB005390	20		49	3	92	4	103	3	134	4	183	3	4	5	5	5			617
PB005391	116		233		457	3	469	3	514	1	745	1							2,542
PB005392	8		29	3	51	6	67	1	75	3	107	7		3		1	1		362
PB005394	34	7	103	12	141	9	108	7	85	16	127	17	12	12	6	3	2		701
PB005395	38	7	85	4	123	4	109	8	96	5	85	3							567
PB005396	19		49		57		52		34		42								253
PB005397	64		140	2	263	2	298	3	374	3	394	3	1	2	2	2	1	2	1,556
PB005398	8		33		39		56	1	84		166								387
PB005399	91	3	178	5	340	13	326	4	352	12	448	5	2			1			1,780
PB005400	39		77		128		85	1	69		94	1							494
PB005401	75	1	137	8	244	9	271	6	263	5	388	7	2	13	7	17	1		1,454
PB005402	5	1	21	8	40	10	58	9	36	8	48	18	1	1					264
PB005403	26		79	1	116	2	152	1	174	4	230	6							791

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005404	25		74		127		127		132		204								689
PB005405	68		166	4	296	5	326	7	266	10	261	9							1,418
PB005406	52		114		223		191		197		205								982
PB005407	89	5	237	6	367	13	334	12	321	9	388	15	13	10	3	3	1		1,826
PB005408	35		65	2	101	1	138	1	156		209	4							712
PB005409	53		106		200		170		162		275								966
PB005410	22	1	58		107		148	1	212		299	1							849
PB005411	72		267	1	461		443		455		509								2,208
PB005412	66	4	146	2	272	6	263	6	273	9	374	10	9	5	10	3			1,458
PB005413	19	1	65	2	85		80	1	83	3	121	3							463
PB005414	83	2	235	2	421	7	402	2	370	6	430	4		1	1				1,966
PB005415	19		63		128	6	127	5	194	13	283	21	1	1	1				862
PB005416	19		96		180		234		230		330								1,089
PB005417	42		93		129	2	142		155	2	225	1							791
PB005418	36		111	1	209		203		301	1	406	5							1,273
PB005419	40		113	5	198	3	231	3	275	2	452	12							1,334
PB005420	7		17	2	41	1	52		70	6	118	2	1	4	2	1			324
PB005421	55		104	1	234	6	170	1	208	6	297	5		3	1	3			1,094
PB005423	45		167	3	298	1	310		283	5	264		1						1,377
PB005424	121		319		463	1	433		465	2	631								2,435
PB005425	28		74	1	147	1	139	3	166	1	231	1	3	3	1	3	1		803
PB005426	26		58	3	115	4	99	1	109	5	145	2	2	4	3		1		577
PB005427	69	4	169	11	272	8	290	11	292	10	369	13	18	18	8	6	1		1,569
PB005428	5		15	1	31		27	2	26	1	57	7	2	6	9	8			197
PB005430	97		211	1	287		211		187	1	224	1							1,220
PB005432	2		6	1	33	1	56		83	3	79								264
PB005433	54	4	128	10	214	11	260	10	284	9	379	23	6	18	15	9	1		1,435
PB005434	46	1	109	2	207	3	201	2	239	4	318	7							1,139
PB005435	26	2	98	3	173	8	163	6	145	3	133	7		1	1				769
PB005436	44	1	106	4	182	4	180	3	196	7	209	6	1	1					944
PB005437	106	4	219	6	314	6	237	8	225	2	224	3	1	1					1,356

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005438	62	2	131	3	279	3	265	6	269	9	296	3			1				1,329
PB005439	17		49		86		114		159		207								632
PB005440	24	2	83	1	174	4	213	1	189	1	329	2			1				1,024
PB005441	32		82		159		158		171		300								902
PB005442	42		150		241		232		261		420	1							1,347
PB005443	17	2	52	2	102	5	139	5	171	3	251	11	6	3	4	1	1		775
PB005444	1	1	6		7		7		10		5	1	1						39
PB005445	30		110	2	252		219	2	250	4	270	3			2				1,144
PB005446	37	2	100	6	236	8	358	10	351	14	569	9	24	26	14	9	1	1	1,775
PB005447	35		111		154		117	1	123		147	1	1	2	1	1			694
PB005448	44	1	92	5	211	3	168	2	191	7	247	3	2	1	5	5			987
PB005449	12	2	49		105		107	1	144		185	2	2	1	3		1		614
PB005450	28		51	1	87	1	77	3	101	5	157	7	2	2	1	2			525
PB005451	27	1	54		75	7	95	1	86	5	101	3	2	1	3	1			462
PB005452	7	1	45	2	128	3	154	6	110	4	101	5	5	5		3			579
PB005453	23		36		143	5	113	1	95	4	143	3		1	5	1			573
PB005454	31	2	84	5	157	6	222	7	277	7	408	5	7	3	11	13	2		1,247
PB005455	18		51	4	86	1	91	2	99	1	135			6		1			495
PB005456	9		27		37	2	48	4	57	4	110	2	5	5	12	13			335
PB005457	81	8	176	13	350	20	330	10	274	22	327	13	14	32	14	5			1,689
PB005458	22	2	97	7	155	6	154	5	194	5	273	2	2	5	4	1			934
PB005459	13		33	2	63	1	70		53		108								343
PB005460	15	1	27	1	79	5	61	3	62	2	72	4	4	2	2	1	1		342
PB005461	10	1	29	4	67	8	85	6	91	8	129	9	11	4	6	4			472
PB005462	112	2	253	4	418	3	365	1	379	2	536	5	1						2,081
PB005463	3		8		16		18		22		61	1	2	1					132
PB005464	9		15	1	23	2	29		48	1	99	8	12	12	14	17	1		291
PB005465	8		30		57	2	78	1	112	7	163	4	4	8	2	17	3		496
PB005466	38	4	92	8	190	8	193	21	196	11	283	13	15	9	5	5	1		1,092
PB005468	35	1	100	2	245	4	264	9	344	8	497	15	12	8	4	2			1,550
PB005469	3		24	1	28	1	47	1	51	1	86	1	3	2	3	3			255

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005470	11	5	43	4	83	6	72	2	102	7	173	15	10	14	15	11	1		574
PB005471	10		46		75	1	94	1	124	1	212	2	6	5	5	3			585
PB005472	51	5	121	4	184	10	157	12	185	8	206	3	4	3		1			954
PB005473	24	1	55	1	117	2	123	1	114	3	150	2	1		1	2			597
PB005474	125	13	305	22	435	24	348	10	293	20	309	9	4	4	1	2			1,924
PB005475	87		200		332		300		310	1	434	1							1,665
PB005477	3		24	1	49	4	89	8	111	12	171	19	18	16	11	5			541
PB005478	4		15		29	1	43	3	61		105	5	5	4	3	2			280
PB005479	35		75	1	141	3	149	4	155	4	221	4	3	7	1	2			805
PB005480	27		70		114		125		118		181								635
PB005481	20		74		173		166		166		261								860
PB005483	6		23	1	69		59	1	69		99	3							330
PB005484	32		67	3	141	2	137	3	204	5	254	2							850
PB005485	20	2	40	7	92	7	80	3	97	6	132	10	1	1	2		1		501
PB005486	12	1	56		109	1	125		141	1	193		1	1					641
PB005487	48		95	1	159		159		199	1	295								957
PB005488	101		256	1	539		519	2	589	2	731	1	1						2,742
PB005489	22	1	56	8	156	10	135	10	239	16	320	25							998
PB005490	38		113	1	184	1	197		249		354	1	2						1,140
PB005491	31	2	88	1	171	1	151	3	188	3	286	4	1		1				931
PB005492	36		117		200	1	191		257		390	1							1,193
PB005493	63		233		384		431	1	523	1	686	1							2,323
PB005494	23		76		135		168		188		293								883
PB005495	5	1	18		39	1	40	1	54	1	70	1							231
PB005496	14	1	60		105	6	170	3	255	16	397	16		2					1,045
PB005497	66	1	121	3	236	1	327	3	429	2	630	4							1,823
PB005498	68	1	158	8	231	6	207	5	219	9	271	7	7	12	7	4			1,220
PB005499	44		102	2	198	3	189	2	166	1	212	1							920
PB005500	59	2	129	3	194	7	238	3	326	7	422	4	6	7	5	6			1,418
PB005501	18		50		73		83		83		111								418
PB005502	17	1	52	5	71	9	83	4	89	8	122	5		4	2	2			474

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005503	12		30	2	22	1	18		14		9	4		1					113
PB005504			2		19		51		62		77	1							212
PB005505	42		113		291	1	292		285		433								1,457
PB005506	6		15	1	41		51		60		131	1							306
PB005507	11		31		58		59		88	1	155	2							405
PB005508	22	3	78	4	118	5	140	3	147	7	214	9	4	8	2	1			765
PB005509	33	3	82	5	143	4	141	6	148	3	260	11	9	4	4	1	1		858
PB005510	24	3	77	2	135	7	202	4	254	9	365	14	6	11	8	10	1		1,132
PB005511	44	1	96	6	223	5	241	12	435	19	557	14	12	23	7	10	1		1,706
PB005512	51	3	128	4	269	6	268	9	302	13	375	10	8	18	3				1,467
PB005513	1		9		28	2	30	3	41	6	114	7	6	16	26	48			337
PB005514	5		27		78	1	81	2	85	1	184	10	8	28	13	18	6	3	550
PB005515	48		107	5	157	3	148	1	185	5	264	3	5	4	1	7			943
PB005516	5	2	13	1	32	4	40	5	59	6	69	15	4	7	4	11			277
PB005517	6		34	2	69	3	113	5	246	10	356	19	19	56	19	30			987
PB005518	45	4	60	6	136	6	172	2	212	3	321	5	3	3	5	1			984
PB005519	9		19	1	45	2	54	3	91	6	111	9	14	25	13	25	3		430
PB005520	13	1	15		30	2	20	1	44	2	60	4	5	9	7	3			216
PB005521	40	1	127	3	198	8	189	2	233	14	416	17	17	10	2	6			1,283
PB005522	11		45		53		65	1	53		98	5	2	8	8	3	3		355
PB005523	70	2	138	8	210	9	174	5	167	8	186	5	10	18	2	4	1		1,017
PB005526	74	2	221	8	482	8	486	14	435	8	514	8							2,260
PB005527	14		41	2	59	2	49	6	94	11	126	12							416
PB005528	10		25		44	1	49		67	1	71								268
PB005529	16	3	60	3	71	2	123	11	174	10	278	32	4	8	3	1			799
PB005530	3	2	19	1	44	2	36	3	34	2	45	3	1	2		1			198
PB005531	5		12	3	26	1	27		41		91	6							212
PB005532	35		102		168	1	105		126	1	170	1							709
PB005533	31	1	77		93	4	68	2	69	1	94	6		1					447
PB005534	55	5	120	7	170	3	109	2	78	2	98		1		4		1		655
PB005535	1		8		34	1	30	1	73		191	5	6	7	18	18			393

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005536	54		128	1	253		281		336		427								1,480
PB005537	3		18	1	27	1	32	2	60	4	134	9	17	42	94	70	5		519
PB005538	2		7		20		23		42	2	111	2		1	1	2	3		216
PB005539	49	1	95	4	187	5	183	10	214	9	272	11	1	1					1,042
PB005540	124		288		505		374		372		497								2,160
PB005541	56		84		131		134		125		212	2							744
PB005542	11		22	2	40		27	1	26	1	26	1							157
PB005543	21	5	72	1	131	10	117	8	105	9	143	8	3	5		1	2		641
PB005544	12		29	2	70		90	2	102		166	2							475
PB005545			7	1	3		21	1	12	5	25	8	7	8	3	4	1		106
PB005546	17		44	2	113	1	93	6	117	2	120	6	2	2	2	2			529
PB005547	19	1	38	1	76	5	70	2	78	4	136	4							434
PB005548	1	1	4		9	1	20		16	5	39	2		1					99
PB005549	69	9	176	15	257	11	231	8	274	8	294	8	3	11	2	4	1		1,381
PB005550	8		46		69	1	116		119		175	1							535
PB005551	35	5	110	5	187	7	196	9	220	7	294	12	1	11	7	4	2		1,112
PB005552	7		13		32		33		54	2	80	4	6	10	11	22	2		276
PB005553	48	2	137	4	307	4	313	7	321	14	565	12							1,734
PB005554	27	2	85	2	98	1	97		120		128	4	1		1	1			567
PB005555	32	1	82	6	146	6	159	3	216	3	315	9	3	2	2	3	1		989
PB005556	12		11		21		31		52	2	145								274
PB005559	18	3	75	1	182	7	221	2	274	3	428	10	3	2	1	3			1,233
PB005560	28	3	64	1	130		172	1	196	8	292	5	6	3	7	1			917
PB005561	24	1	86	7	124	7	106	2	117	1	146	3	7	3	1	3			638
PB005562	7	1	13		19		50		56	1	95	4	5	6	6	8	2		273
PB005568	16		54	2	98	3	121	4	122	7	207	4	4	5	1	4			652
PB005569	29	2	71	2	103	7	115	3	121	5	169	5	3	2	2	1			640
PB005570	37		77	4	149	4	109	3	115		132	7	1	1					639
PB005572	2		7		26		17		78	1	217	3				1			352
PB005573	106	4	243	6	416	7	352	13	360	13	432	12	1		1				1,966
PB005574	3		15		38		41	1	75	1	105	8		2	7	6	1		303

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005575	27		65		117		91		112	1	128	1							542
PB005576	2		10		27	1	42	1	53	6	127	9	34	44	32	8			396
PB005577	30	2	110	3	151	3	101	1	110	4	136	2		3	2				658
PB005578	22	3	51	4	74	8	109	6	124	8	188	21	19	31	14	14	2		698
PB005579	66	1	170		278	3	278	1	322	1	493	5							1,618
PB005580	65	5	193	6	309	9	298	4	391	2	529	10	7	7	3	3			1,841
PB005582	133		367	4	639	1	697	2	760	9	1003	13			1				3,629
PB005585	25		81	1	140		149		179		160								735
PB005586	38		111	1	234	2	292		362	2	558	6							1,606
PB005587	12	1	60	2	104	7	138	8	185	6	217	8	6	10	7	3			774
PB005590	10		26		59	2	70		96		163	1	1		1				429
PB005592	31		131		258	2	420	4	568	4	810	4							2,232
PB005593	9	1	17	3	61		66	4	120	6	176	6	2	1	1	1			474
PB005595	12		32	1	57	3	70	2	98		155	5		2	3	2			442
PB005603	25	1	61		136	4	117	2	152	4	246	1		5	2	6	2		764
PB005608	44		92	2	182	1	152	2	172	2	247	3							899
PB005613	29		62		99		113		126	2	216	1							648
PB005616	51	4	101	5	203	8	203	8	204	16	300	17							1,120
PB005617	42		129		162	1	136		145	1	162	1							779
PB005618	175		373	1	497		346		190		196								1,778
PB005619	101		167		248		261		296		349								1,422
PB005620	25	2	54	7	104	10	120	2	139	8	176	11	3	8	4	3			676
PB005621	54	3	120	6	192	5	167	6	179	7	271	3	3	4	3				1,023
PB005622	14		27	1	39	2	32	1	54	1	98	7	6	8	11	27	3		331
PB005623	13		29	3	50	3	57	2	62	6	88	6	4	8					331
PB005624	18		42		79	3	84	5	152	5	248	8	12	17	11	14			698
PB005625	81		214		400		341	1	417	1	611	1	1			1			2,069
PB005626	1		12		17		34		61	2	147	7	8	28	26	20			363
PB005627	66	6	181	8	314	6	279	4	262	1	267	5	1	1					1,401
PB005628	13		38		80		55		87		107								380
PB005629	19		51	1	71		60	1	45		68								316

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005630	39	2	89	6	157	4	208	7	236	22	376	32	28	64	30	48	1		1,349
PB005632	4		16		20	2	22		29		45	1		3	3				145
PB005633	17	3	73	4	126	11	113	8	78	8	86	3		1		1	2		534
PB005634	8		24		22	1	22		27	2	59	11	5	12	12	17	4		226
PB005635	20	2	76	5	127	2	101	5	98	3	141	7	3	3	1				594
PB005636	26		49	3	155	6	134	3	198	3	193	5	8	5	5	3			796
PB005639	17	2	33	2	103	6	89	1	155	4	180	6	1	4	1	9			613
PB005640	9	1	21		48	3	68	4	85	1	116	1	1		2	1			361
PB005641	10		26	3	48		47	5	73	5	107	11	3		2	2	1		343
PB005642	20	2	63		111	5	109	1	137	6	255	7	11	13	6	5	3		754
PB005643	10		27		38	1	38	3	60	1	56	2	1	2	1				240
PB005644	9		11		28	2	40	3	44	4	111	17	36	40	38	20	7		410
PB005645	2		7		17		18		36		124								204
PB005646	5		15		39		50		77	4	108	1							299
PB005647	84		219	1	372		284	1	278		413	2					1		1,655
PB005648	61		152	2	300	2	261	1	242	5	281	1							1,308
PB005649	46	4	98	5	211	11	265	5	272	11	359	16	7	14	6	1			1,331
PB005650	30	3	38	1	71	1	60	1	59	3	79		2	1	1	4	1	1	356
PB005652	11	1	48	4	77	5	75	2	114	3	165	6	2	7	7	8			535
PB005653	52		109		145		115		90		101								612
PB005727	27		77		176		188		244		365								1,077
PB005768	5		28	1	33	1	43		48		70	2							231
PB005772	1		3		17		15		17		48		1						102
PB005787	4		22		57		100	1	131		182	3							500
PB005788	107	5	218	25	400	17	408	16	335	14	349	10	7	10	5	2			1,928
PB005789	27		62	5	130	4	124	3	122	3	177	8	3	3	1	5	1		678
PB005790	4		17		33		62	3	66		88	5	5	4		1			288
PB005832	42		120	1	207	1	240		255		312	1							1,179
PB005842	22		51	2	73	1	80		81	2	80	1							393
PB005867	41		113		212		199		233		285								1,083
PB005870	107	2	254	1	350	1	231	3	249		300	1							1,499

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005874	8		28		45		77		148		196								502
PB005878	36	2	115		210	1	236		280	1	389	2							1,272
PB005895	55	1	109	2	150	9	132	5	141	6	186	8	3	3	5		2		817
PB005906	1		5		12	1	10		10		11								50
PB005914	59		145	2	170	1	181		195	3	249	1	3	4	6	2	2		1,023
PB005916	27		97		142	1	162		221	2	326	2							980
PB005965			11		46		64		84		106	1							312
PB005966	26		51	1	142	2	152	4	193	3	265	3							842
PB005998	27		89	1	163	1	182		176		215	1							855
PB006164	21		52		92	1	112		148	3	248	2	1	1					681
PB006271	72	9	190	13	253	17	215	12	189	12	271	10	5	3	2	1			1,274
PB006363			14		16		29	1	52	2	85	2		1					202
PB006373	11		36		72	1	84	1	99		151	2							457
PB006456	59	2	149	1	309	2	306	3	397	3	509	5		2					1,747
PB006490	45	7	101	10	165	8	180	6	200	12	295	16	4	6	3	4			1,062
PB006514	14		55	8	94	1	95	4	132	3	219	5	2	4	5	3			644
PB006519	42		65	4	157	2	167	4	206	10	285	9	12	21	14	18	2		1,018
PB006520	29	6	67	9	130	11	121	7	111	8	141	12	9	12	2	4			679
PB006521	54		133		184		161	1	167		181	1							882
PB006522	17	1	39	2	72	4	82	2	109	6	184	10		1					529
PB006523	11	1	40	1	76	1	63	3	86	2	128	2	5	4	5	4	1		433
PB006524	3		4		17		27		22		74	1	1						149
PB006525	40	8	81	3	130	5	146	6	179	16	233	9	5	3	4	3			871
PB006526	29	1	74	5	131	5	164	4	197	6	241	8	8	6	4	6			889
PB006772	2		8		42	2	82	3	138	4	207	11	9	19	9	16	3		555
PB006777	2		5	1	16	2	21	1	29	8	78	14	6	10	5	4	1		203
PB006791	79	1	208	3	347	2	281	4	296	5	376	7	2	2					1,613
PB006793	37		84		128	1	97		140	1	170		2						660
PB006794	4		12		23		15		40	1	96	3							194
PB006795	116	3	241	4	441	2	371	5	366		365	1	11	3	1	2			1,932
PB006796	30	4	60	7	123	10	125	2	113	6	151	2	6	2	1	5			647

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB006813	14		26	1	55	3	79	1	84		149	5	5	6	5				433
PB006833	5		2		8		2		2		2								21
PB006843	8		23		26	3	53	1	34		31	1							180
PB006853	21		106		190		226		263	3	348								1,157
PB006870			1		7		18		24	1	39	1	1			1	1		94
PB006872	98	1	208	1	358	2	281		353	6	376	1							1,685
PB006878	29	2	74	12	124	11	113	7	114	11	130	12	6	11		2			658
PB006887	6		4	1	22		26	2	37	6	93	12	3	9	9	5			235
PB006890	4		9		22		26		48	2	95	7	5	10	15	10	1		254
PB006891	31	1	61		111		99	2	134	2	174								615
PB006892	81		188	5	320	2	234	9	331	5	470	7	8	8	4	4			1,676
PB006894	45		110	4	135	2	137	5	147	5	197	6	5	2	1				801
PB006895	25	2	97	4	188	8	168	4	194	10	253	6	6	11	8	2			986
PB006896	13		38		58	2	56		81	3	142	7	9	14	7	22			452
PB006897	84	11	210	13	336	18	260	8	213	11	222	8	7	4	2				1,407
PB006898	20		36	4	81	3	105	2	186	12	309	14	28	48	25	41	8		922
PB006899	14		49	2	79	1	93		113	1	115	3	3	5	4	2			484
PB006900	18	3	42	6	83	4	104	7	137	8	185	13	4	6	8	3			631
PB006901	6	6	15	7	42	9	50	9	64	12	44	20	4	1	4				293
PB006902	12		30		42		55		59	2	102		1	1		1			305
PB006903	13		10		12		8		13		21	1							78
PB006908	4	2	9	1	28	1	19		22		61	4	4	9	2				166
PB006918	103	3	237	7	434	14	343	3	313	5	411	4	3	1	1	2			1,884
PB006919	10		7	2	20	1	10		13		16	1	1						81
PB006923	70	3	167	9	275	15	273	6	285	10	331	7	8	6	2	2			1,469
PB006935	8		24		34	2	43	1	36		66			1					215
PB006956	6		6		25		7		16		14								74
PB006968	35	1	100	1	190	7	159	2	178	5	275	4	2	4	6	2			971
PB006970	38	1	88	5	180	8	210	12	225	11	346	12	7	7	2	4			1,156
PB006971	14		36		59		32		26		31	1							199
PB006989			2		11		9		12		34	2	1	5	6	5			87

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB006999	11		23		21	2	15		26		30								128
PB007001	2		4	1	8	1	14	2	14	4	18	14							82
PB007003	1		8	1	10		8	1	24	1	39			1	1	1			96
PB007043	22		60		117		140		164	1	237	3				1			745
PB007053	17	2	27	9	60	7	35	1	28	4	53	5	1	2	1	1	1		254
PB007091	4		14	3	26	1	37	1	36	1	81	3							207
PB007092	55	4	144		225	1	265	4	376	6	515	8	4	12	5	6	2		1,632
PB007139	16		22	1	55	2	71		100	1	120	6	3	3	1	2			403
PB007248	31	4	108	3	193	5	222	2	286	9	435	8	8	11	6	7	1		1,339
PB007261	9	1	28		51	2	64		51	3	92	5	1	3	3	2			315
PB007268	16		62	4	120	3	105	5	166	7	238	13	5	9	3	5			761
PB007269	46	3	121	5	190	2	142	1	139	4	171	3	7	5	3	1			843
PB007270	44	2	104	2	196	2	177	2	121	3	127		1		1				782
PB007312	5		2	3	9	1	7	2	7	2	17	4			1				60
PB007313	33		110		186		221	1	316		461								1,328
PB007318	36	1	69	7	104	3	117	6	106	9	117	9	9	12	3	1			609
PB007330	31	3	103	13	167	17	149	12	150	16	215	13	4	4	5	4			906
PB007331	3		10		31		34	1	40		73	2	1	4	2	4			205
PB007334	18	1	53	1	75		64	2	63		80	1	2	1		1			362
PB007349	49	1	88	6	167	1	149	3	143	7	176	9	7	4	4	3			817
PB007353	26	1	88	3	168	5	184	7	279	5	415	3	6	9	7	5			1,211
PB007355	44		118	1	244		289	2	312		447	1		1	3				1,462
PB007397	68	1	178		269		228	1	229		270			1					1,245
PB007489	12		32	2	83	3	101	6	131	8	230	8	12	12	12	5	2		659
PB007492	45	2	102	7	187	6	184		207	2	211	2	5	6	1	1			968
PB007494	50	2	97		158	1	142		145	2	201	4							802
PB007497	69		167	3	276	2	237		183	3	256	1	1	2	1				1,201
PB007500	63	1	182	2	299	3	251	5	269	7	455	8							1,545
PB007502	19	2	38		78	4	86	1	97		115	3	3	5	6	3			460
PB007503	74		217	10	449	4	373	3	373	8	483	4	4	10	2	2			2,016
PB007505	40	1	81	5	129	9	150	7	129	4	230	4	6	6	3	7			811

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB007507	62	7	101	6	176	15	119	13	141	12	190	6							848
PB007510	81	1	196	4	270		219	3	272	5	331	6	9	6	6	8			1,417
PB007512	41	2	96	7	183	6	186	3	177	6	204	6	4	6	2				929
PB007514	19		46		77		106	1	126		223								598
PB007515	41	2	91	4	155	5	165	11	164	3	196	3	1	4	1				846
PB007516	19		31	2	69		57		82	1	105			1	2	1			370
PB007517	14		24	1	46	2	78	4	70	5	139	5	8	11	5	12	1		425
PB007518	8	1	35	2	75	3	92	1	93	1	136	2	1	3	3	3			459
PB007524	20		68	1	90		110	1	124		184	2							600
PB007525	34		70	1	122	7	117	2	137	5	247	17		3	5	2			769
PB007534	22	4	57	2	84	4	93	4	110	5	122	7	2	5	3	1			525
PB007589	31		76	1	150	2	176	2	172		208		1		2				821
PB007592	2		7		15		17		24		31								96
PB007689	22	1	82		121		175	1	205		295								902
PB007694	40		74		165		184		216		355	1							1,035
PB007706	68	2	121	7	205	2	136	4	156	6	199	4	2	5	1	2			920
PB007848	20	1	54	7	106	18	118	20	156	20	211	24		1	1		1		758
PB007849	3		30		31		53	1	52		83	2			1				256
PB007959	17	1	57		153		151	1	208	1	281								870
PB008032					3						1								4
PB008576	4		6		10		8		13	1	59	2	1	1					105
PB008712	1		8		20		21		26	2	118	4							200
PB008769	2		1		11		9	1	26		43	1	3	12	20	20			149
PB008847	31	5	104	23	231	28	206	10	224	24	241	12	5	3	3	5			1,155
PB008908	51		95	5	177	5	195	2	220	1	326	4	2	2	1				1,086
PB008917	51		124		227		216	1	189		297								1,105
PB009130	4		6		13		30		35	1	89	1	1	1		1			182
PB009513	3		1	2	2		3	1	27		13								52
PB009564	29		117	3	198	5	209	3	137	2	105					3			811
PB009783	19		41	1	80		92	1	138	1	197		2	1					573
PB009803					1														1

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB009818	18	2	55	2	163		180		243	1	357			1					1,022
PB009822		1		2	8	5	8	6	9	8	22	16							85
PB009868	10		24		37		67	1	90		179	1							409
PB009905	65		164		244		248		248		373			1		1			1,344
PB009945			7		13		26		43		65			1		5			160
PB009954	5		9		13	1	18	4	32	4	61	7	10	27	17	2			210
PB010009	65	2	185	3	261	5	223	5	227	7	254	4	2	2	6	2			1,253
PB010096	62	1	142	1	177	1	113	1	103	1	125	2	1	1	2	1	2	1	737
PB010123	30		52	2	80	2	103	2	112	1	118	4	2		2	1			511
PB010124	6		27	1	35		24		33		50	1		1	1				179
PB010187											1								1
PB010217	8		5	1			2												16
PB010235	34		75	2	170		197		259		412		1		1				1,151
PB010266	18		61		123	2	132		164	2	188	7			1	2			700
PB010289	34	1	79	5	158	8	133	3	183	6	237	7		2			1		857
PB010340	34		90		157	1	180	2	188	5	248	1							906
PB010344	13		35		55	1	66	4	61		107	1	1	2					346
PB010359	6	1	37	5	60	2	65	1	75	2	90	2				1	1		348
PB010396	14		41		92		88	1	110	1	162								509
PB010403	26		61		116	2	99		145	3	154	3	4	2			1		616
PB010430	15	2	38	3	84	7	115	6	134	8	208	9							629
PB010435	16		48	1	86	2	99		110	2	181	6		1					552
PB010557	13	1	38		61	2	45	1	67	2	68	4					1		303
PB010661			7		6	2	4		8	1	15			2		1			46
PB010670	27		90		181	3	185	3	200	4	267	2							962
PB010692	3		16	1	49	1	59	3	69	1	85	2		1					290
PB010698	21		42		106	2	131	1	162		242	2		1					710
PB010701	36		90		158	1	178		225		388								1,076
PB010702	9		33	1	74	2	114		108	4	155	3							503
PB010772	4		9		37	1	55	1	83	3	162	9	1		1				366
PB010790	70		121		150		107		88	1	78								615

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB010791	26		91		128		130		163		205	1							744
PB010804	24		45		103		110	1	121		175	2							581
PB010806	13		43		64	2	74	2	63	1	67	1	2						332
PB010810	5		2		17		18		55		14			1					112
PB010811	33	1	92	1	158	3	137	2	134	1	137	4	2						705
PB010827	25	1	73	3	142	8	137	5	184	6	211	15	1						811
PB010830	35		99	3	152	3	120	1	110	1	140	4		1		1			670
PB010831	27		75	1	132		111		109	2	114	1							572
PB010848	41		126		201	1	184	1	203	1	222								980
PB010849	33	1	62	11	144	7	93	3	128	5	112	5							604
PB010885	19	1	57		117		128		164		204	2	1		1	1			695
PB010905	19		63	2	104	4	117	1	130	1	173	6							620
PB010923			2		5		3		1		5						1		17
PB010935	20		50		99		113		147	2	259	7							697
PB010951	8	3	20	5	35	5	57	15	44	15	51	14			2				274
PB010962	17		27		35	2	24		27		24								156
PB011012	4		1		14	1	7		14		31								72
PB011017	26	2	83		143	3	160	4	167	1	206	7	1						803
PB011048	2										1								3
PB011091	26		64		120		147	1	213		341								912
PB011174	11	1	28		58		65		99		142								404
PB011211	21		57		122	1	117		130	1	151								600
PB011227	15		19		6		4												44
PB011348			5		4		3		6		5	2			1				26
PB011409	35		70	1	116		120	3	123	5	155	3	1	1					633
PB011410	18		51		107		118		136		175								605
PB011496	11		31		84	1	109		112		148	1	1		1				499
PB011497	8		31	2	48	2	76	2	118	2	181			1		1			472
PB011510	18		37		75		90		120		151								491
PB011624	10		29		49		44		39		66	1							238
PB011626	15	1	39	2	81	1	97	4	106	4	135	1							486

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB011627	13		47		65	1	75	1	86		111	2		1					402
PB011721			2		17	1	11		15		13								59
PB011806	8		25		42		38		79		97								289
PB011808	22		58		115		103		171		237			1	1				708
PB011927	24		61		100		156		150		183								674
PB012030	13		30		67		81	1	86		108	2			1				389
PB012046	27		86	1	121		87	3	120		144		3						592
PB012088	13		30	1	68		85		83	1	125	3							409
PB012089			1	2	4		6	2	8	2	12	3		1					41
PB012090	1		1																2
PB012091	31		88		112		113		101		157	1							603
PB012092	10	1	10		19	1	14	2	22	1	29	2							111
PB012165	5		30		46		51		67		90								289
PB012166	17		40		87		97		113		200	1							555
PB012226	16		30	1	57		53		58	1	115	3							334
PB012247	18		47	1	104	1	95		81		111	2		1					461
PB012252	12		33		72		43		38		43	1							242
PB012346	12		43		92		83		81		127								438
PB012352	17		37		110		89		87		106								446
PB012354	14	1	19		52		57	1	55	1	75	1							276
PB012425	1		2	1	2	1	6	1	8	1	14	3				1			41
PB012451	17		39		86		61		58		59	2	1				1		324
PB012486	10		26		57	1	60	2	66	1	101	2							326
PB012487	7	1	4	1	17	5	21	2	20	4	35	2							119
PB012488	9		15	1	39	2	45	1	59	1	119	6	2	1					300
PB012600	11	1	33		66		80		79	1	107								378
PB012617	10		28		51		48		50		80								267
PB012668	7		22		52		50		68		118								317
PB012690	9		19	5	22	4	21	4	17	4	23	9	1						138
PB012696	17		32	2	77	2	70	1	76	1	97	3		1		1			380
PB012697	2		26		27		35		34		37								161

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Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB012707	7		20		26		30		16		13	1							113
PB012709	6		30		50		53		60		77								276
PB012711							1			1	3								5
PB012720			2		6	1	4	1	11		11	1		2		2			41
PB012778	10		34		69		48		40		49								250
PB012779	5	1	6	5	21	3	26	4	36	4	56	13		1					181
PB012780	6		22		39	2	39		54	4	82	1	1				1		251
PB012818	1	1	1	1	5		5		9		10	2							35
PB012859	10		16		47		64	3	54		73	1							268
PB012963	8		27		28		31		43		40								177
PB012964	2		13		16	1	22		21	1	45	5		1	1				128
PB012991	2	1	8		20		17		25		44	2							119
PB013038	17		23		41		50		44	2	65								242
PB013105	6		9	4	28	2	15	3	22	7	35	8				1			140
PB013106	1		1		1		4		3	2	9	3	1						25
PB013107	8		8		19		34		33		52								154
PB013179	15		29		66		41		53		75								279
PB013184	12		29		69		63		62		65								300
PB013218	5	1	14		14	1	26		39		48								148
PB013235	12		37		62		55		68		63								297
PB013303	2		12		10		8		14		11		1						58
PB013304	1		9		18	2	14		17	1	32	1							95
PB013319	12		18	1	22		22		23		31	1							130
PB013381	6		14		25		24		31		37		1						138
PB013399	28		48		97		88	1	80		93								435
PB013400			3		15		8		10		17								53
PB013404	1		3		5		8	1	13		24	1							56
PB013405	6		15	2	20	2	18	1	15	1	22	2							104
PB013406	4		4	3	20	3	11	1	8	5	21	3							83
PB013430	4		8		18		20		25		34								109
PB013458			7		10		16	1	16		18								68

2000 Massachusetts I&M Program Test Data

51.366 (a)(3) Initial Emissions Test Volume by Model Year and Test Station

Station ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB013470					1		4	2	2		12	7							28
PB013471	2		6	4	9	3	16	1	15		33	4							93
PB013478	7		10		30		31	1	30		32		1						142
PB013518	1		3	1	5	1	7		6	2	6		1						33
PB013538	1		1		2	1	5	1	4	2	4	1					1		23
PB013569				2					1										3
PB013588			2		1		8		10		11								32
PB013589							1												1
PB013758					1	1		1	3	3	6	1							16
PB013798					2	1	1		3		2		1						10
PB013847		1	2		3	1	7	1	5		6	2	1	3	1	1	3		37
PB013938			1						2		2	2							7
PB013939			1		3	4	1		2		4	1							16
PB014208			1		5		4		1		3								14
PB014209	1						1	1				1							4
PB014398	1	1	1		5		7	1	4	1	6								27
PB014503	2		7		6		10		17		21								63
PB014505											1								1
PB014564			1		2		3		2		5								13
PB014580	60	2	207	5	450	6	513	5	539	2	666	7			3	5			2,470

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
FL005112				0.0%	0.0%		33.3%		50.0%	0.0%	33.3%								25.0%
FL007509	0.0%		12.5%		33.3%		21.1%	100.0%	21.4%		7.5%	33.3%			0.0%				16.3%
FL007513	71.4%		33.3%		9.1%		0.0%		28.6%	0.0%	20.0%	0.0%							26.7%
FL010365			0.0%		0.0%				0.0%		5.3%					0.0%			3.8%
FL010922					0.0%		0.0%		0.0%		0.0%								0.0%
FL010924					0.0%		0.0%		14.3%			0.0%					0.0%		9.1%
FL010937	0.0%		100.0%		0.0%		0.0%		55.6%		0.0%								31.6%
FL011254	0.0%		20.0%		12.5%														11.5%
FL011278	10.0%		14.3%		0.0%		25.0%												13.6%
FL011296									0.0%		40.0%								33.3%
FL011886					7.1%	0.0%	0.0%	0.0%	27.3%	0.0%	12.5%	0.0%	0.0%		0.0%				9.2%
FL012032					8.3%		0.0%		0.0%	0.0%		0.0%							4.2%
FL012047	100.0%		0.0%		11.1%		0.0%		15.4%	0.0%	5.0%	100.0%							12.2%
FL012071	4.5%		0.0%		0.0%		0.0%												2.0%
FL012190			0.0%		6.3%		0.0%	0.0%	0.0%		0.0%	0.0%							3.2%
FL012191					0.0%		0.0%	0.0%						0.0%	0.0%				0.0%
FL012350						0.0%		0.0%	0.0%		100.0%	0.0%							16.7%
FL012429	25.0%		17.4%		0.0%		33.3%												20.0%
FL012708					22.2%		0.0%		0.0%		0.0%								12.1%
FL012808										0.0%		0.0%							0.0%
FL013214								100.0%											100.0%
PB001458							0.0%				0.0%								0.0%
PB004462	22.0%	0.0%	9.3%	0.0%	9.6%	20.0%	8.0%	0.0%	8.7%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.5%
PB004465	0.0%	0.0%	16.7%	0.0%	6.7%	0.0%	5.3%	0.0%	8.7%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%
PB004466	33.3%		17.8%	25.0%	6.5%	0.0%	7.2%	0.0%	8.0%	50.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%
PB004467	16.7%		8.1%	0.0%	12.3%	0.0%	5.3%	10.0%	2.1%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%
PB004468	36.8%		16.7%	0.0%	13.0%	0.0%	4.5%	0.0%	11.1%	20.0%	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.8%
PB004469	15.6%	0.0%	10.3%	9.1%	5.8%	5.9%	2.0%	8.3%	5.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%
PB004470	24.1%	0.0%	17.5%	28.6%	11.5%	20.0%	6.5%	7.1%	6.5%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%
PB004471	0.0%		14.3%	0.0%	0.0%	0.0%	0.0%		11.9%	0.0%	8.0%	0.0%	0.0%	33.3%	0.0%	16.7%			7.2%
PB004472	0.0%		16.7%	0.0%	3.2%	12.5%	4.8%	25.0%	3.9%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.4%
PB004473	18.9%	0.0%	9.3%	25.0%	9.1%	0.0%	4.2%	0.0%	11.1%	20.0%	1.2%	25.0%	0.0%	0.0%	25.0%	0.0%			6.9%
PB004474	13.6%	0.0%	7.1%		10.3%	0.0%	5.0%	0.0%	10.9%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.8%
PB004475	8.3%	0.0%	7.4%	0.0%	8.1%		4.1%	0.0%	10.1%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.1%
PB004476	27.2%	33.3%	18.4%	33.3%	10.6%	0.0%	6.9%	0.0%	7.7%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.8%
PB004477	23.5%	0.0%	23.9%		7.2%		6.1%	0.0%	15.1%		3.5%	0.0%	0.0%	0.0%		0.0%			9.3%
PB004479	20.0%	0.0%	13.9%	0.0%	7.8%	0.0%	5.5%	25.0%	8.8%	0.0%	2.8%	0.0%	0.0%	0.0%	7.7%	0.0%			5.8%
PB004480	10.0%		35.0%	0.0%	6.8%	0.0%	4.0%	0.0%	6.7%	11.1%	2.7%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.7%
PB004481	30.2%	0.0%	17.5%	14.3%	12.8%	14.3%	7.5%	22.2%	11.1%	13.3%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.5%
PB004482	37.5%	9.1%	15.4%	10.0%	12.3%	25.0%	9.2%	0.0%	7.2%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.4%
PB004483	50.0%		33.3%		10.5%	0.0%	17.6%	100.0%	21.4%	0.0%	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.0%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004485	66.7%		33.3%	0.0%	7.1%	0.0%	6.0%	0.0%	4.3%	33.3%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.6%
PB004486	27.5%	0.0%	18.9%	0.0%	8.2%	0.0%	4.8%	57.1%	11.8%	0.0%	4.0%	11.1%	0.0%	0.0%	0.0%	0.0%			8.8%
PB004487	33.3%		23.5%	0.0%	8.5%		1.4%	0.0%	7.8%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%			7.0%
PB004488	27.3%		19.2%	0.0%	13.5%		3.4%	0.0%	14.4%	16.7%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%			9.7%
PB004489	9.8%	0.0%	12.8%	0.0%	8.3%	0.0%	6.3%	10.0%	6.7%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.3%
PB004490	18.6%	100.0%	18.3%	0.0%	8.6%	0.0%	3.9%	0.0%	11.6%	40.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%			7.6%
PB004491	0.0%		5.6%	0.0%	5.0%		3.7%	0.0%	7.5%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.4%
PB004492	25.6%		12.0%	0.0%	5.5%	0.0%	5.4%	0.0%	5.4%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%			5.7%
PB004493	23.8%	0.0%	14.3%	100.0%	11.8%	0.0%	8.1%	0.0%	13.0%	0.0%	4.8%	7.7%	0.0%	0.0%	0.0%	0.0%			9.6%
PB004494	31.8%	50.0%	10.4%	12.5%	9.9%	0.0%	4.4%	0.0%	8.4%	6.3%	1.8%	0.0%	0.0%	11.1%	0.0%	0.0%	0.0%		6.6%
PB004495	8.7%	0.0%	12.9%	50.0%	11.6%	0.0%	6.3%	0.0%	16.0%	0.0%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%			9.5%
PB004496	0.0%	50.0%	12.5%	0.0%	9.1%	0.0%	4.8%	0.0%	5.9%	0.0%	2.9%	0.0%		0.0%	0.0%	0.0%			5.2%
PB004497	26.7%	50.0%	20.6%	0.0%	14.2%	33.3%	14.7%	0.0%	11.8%	0.0%	6.3%	0.0%		0.0%	0.0%				12.5%
PB004498	40.9%		33.3%		18.4%	0.0%	16.3%		13.2%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%			13.0%
PB004499	75.0%	0.0%	0.0%	0.0%	3.5%	0.0%	0.8%	20.0%	4.5%	0.0%	1.2%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%		2.4%
PB004500	18.2%	50.0%	22.0%	0.0%	11.8%	0.0%	5.1%	14.3%	11.4%	16.7%	4.2%	0.0%	0.0%	4.3%	12.5%	12.5%	0.0%		8.8%
PB004501	24.7%	0.0%	17.2%	25.0%	10.8%	9.1%	6.5%	16.7%	12.9%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%			10.2%
PB004502							0.0%				25.0%		0.0%	0.0%	0.0%	0.0%			8.3%
PB004503	40.0%	0.0%	25.0%		3.6%	0.0%	5.7%	0.0%	6.9%	33.3%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.1%
PB004504	30.4%	57.1%	16.3%	5.3%	13.7%	8.3%	8.2%	15.0%	14.0%	20.0%	5.4%	7.7%	0.0%	0.0%	0.0%	0.0%			12.3%
PB004505	28.6%	100.0%	23.6%	0.0%	11.5%	0.0%	4.5%	0.0%	7.1%	20.0%	2.8%	6.7%	0.0%	4.0%	0.0%	0.0%			7.9%
PB004506	25.0%	100.0%	4.0%		4.1%	0.0%	2.2%	0.0%	3.4%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%			3.2%
PB004507	50.0%		14.3%	0.0%	0.0%		11.8%		4.9%		1.4%	0.0%	0.0%	0.0%	0.0%	0.0%			5.1%
PB004508	17.6%	100.0%	20.0%	11.1%	13.2%	0.0%	7.1%	25.0%	7.2%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		8.0%
PB004509	60.0%		28.6%	0.0%	16.0%		2.4%	100.0%	6.4%	0.0%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%			7.4%
PB004510	100.0%				9.1%		0.0%		38.5%		10.0%			0.0%	0.0%				16.9%
PB004511	34.8%	0.0%	19.4%	0.0%	6.3%	0.0%	3.6%	0.0%	10.3%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%			8.8%
PB004512	50.0%		33.3%	0.0%	15.8%	100.0%	0.0%	0.0%	8.3%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%	0.0%	33.3%		5.5%
PB004513	1.3%	11.1%	3.8%	8.0%	4.1%	0.0%	4.1%	0.0%	9.0%	11.1%	3.0%	11.1%	0.0%	0.0%	0.0%	0.0%			4.2%
PB004514	33.3%	0.0%	21.1%	100.0%	8.2%	50.0%	5.7%	0.0%	10.3%	14.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.3%
PB004515	29.6%	50.0%	23.4%	25.0%	19.0%	17.6%	7.8%	0.0%	15.0%	14.3%	4.4%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%		12.2%
PB004516	35.5%	0.0%	16.3%		8.5%	0.0%	10.3%	0.0%	13.3%	0.0%	4.6%	0.0%	0.0%	50.0%	0.0%				11.0%
PB004517	17.3%	25.0%	14.0%	0.0%	11.5%	22.2%	6.1%	0.0%	11.2%	6.3%	5.8%	0.0%	0.0%	0.0%	0.0%	0.0%			9.3%
PB004518	22.9%	33.3%	25.9%	50.0%	19.5%	0.0%	8.9%	0.0%	13.6%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			14.3%
PB004519	40.0%	0.0%	17.1%	0.0%	9.3%	0.0%	2.5%	0.0%	7.7%	0.0%	4.0%	33.3%	0.0%	0.0%	0.0%	0.0%			7.9%
PB004520	36.4%		18.9%	0.0%	7.1%	50.0%	4.4%	50.0%	10.6%	33.3%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%			9.0%
PB004521	16.3%	0.0%	10.1%	0.0%	13.4%	12.5%	4.2%	25.0%	9.1%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%			6.9%
PB004522	7.1%	0.0%	3.8%	0.0%	5.5%	0.0%	7.4%	0.0%	4.9%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%			3.9%
PB004523	18.4%		18.2%	46.7%	11.0%	16.7%	6.8%	18.2%	12.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%			9.5%
PB004524	0.0%		16.7%	0.0%	10.0%	0.0%	12.5%	0.0%	20.0%	0.0%	6.6%	0.0%	0.0%	6.3%	0.0%	0.0%			8.9%
PB004525	45.0%	0.0%	10.3%	0.0%	11.0%	28.6%	10.3%	0.0%	9.5%	20.0%	4.5%	0.0%	0.0%	14.3%	0.0%	0.0%	0.0%		9.2%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004526	0.0%	100.0%	18.8%	0.0%	11.5%	0.0%	0.0%		2.7%	14.3%	1.4%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%		2.8%
PB004527	0.0%	0.0%	8.3%		6.1%	0.0%	3.8%	0.0%	2.1%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%			2.7%
PB004528	26.9%	0.0%	15.7%	0.0%	6.4%	50.0%	8.7%	0.0%	12.0%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%			9.3%
PB004529	40.0%		16.0%		13.0%		13.1%	100.0%	19.8%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			9.8%
PB004531	13.8%	50.0%	10.6%	7.7%	10.8%	25.0%	3.3%	30.0%	8.6%	5.0%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.2%
PB004532	15.4%	0.0%	13.6%	0.0%	8.2%	0.0%	9.1%	0.0%	6.8%	0.0%	3.1%	12.5%	0.0%	0.0%	0.0%	0.0%			6.3%
PB004533	38.8%	25.0%	25.0%	14.3%	14.7%	13.9%	13.9%	8.0%	13.5%	8.7%	6.5%	0.0%	0.0%	0.0%	0.0%	0.0%			15.2%
PB004534	26.7%	40.0%	15.9%	3.3%	9.0%	5.0%	5.6%	4.2%	10.1%	6.3%	3.2%	4.0%	0.0%	9.1%	0.0%	0.0%			8.9%
PB004535	0.0%		0.0%	0.0%	10.0%		10.0%		11.1%	0.0%	6.2%	0.0%	0.0%	0.0%	0.0%	0.0%			5.9%
PB004536	38.0%	25.0%	18.1%	0.0%	9.7%	8.3%	6.6%	0.0%	7.6%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.8%
PB004537	0.0%		10.0%		5.6%		6.7%	0.0%	7.1%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%			3.3%
PB004538	25.0%		4.5%		3.6%		7.3%	0.0%	6.6%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%			4.1%
PB004539	12.5%		13.6%	33.3%	7.7%	0.0%	3.1%	0.0%	7.9%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%			5.0%
PB004540	0.0%		0.0%		25.0%	0.0%	16.7%		20.0%	0.0%	0.0%	0.0%		0.0%					12.5%
PB004542	53.8%	0.0%	25.5%	0.0%	17.6%	0.0%	8.8%	33.3%	7.2%	0.0%	6.7%	12.5%	0.0%	0.0%	0.0%	0.0%			13.6%
PB004543	14.3%		3.2%	0.0%	12.7%	0.0%	6.3%	0.0%	5.5%	0.0%	0.6%	10.0%	0.0%	0.0%	0.0%	0.0%			3.8%
PB004544	16.7%		21.6%	0.0%	13.9%	16.7%	6.8%	0.0%	11.8%	0.0%	6.9%	0.0%	0.0%	0.0%	0.0%	0.0%			11.0%
PB004545	17.9%	0.0%	10.9%		14.2%	0.0%	3.3%	0.0%	6.2%		0.9%	0.0%		0.0%	0.0%	0.0%			7.2%
PB004546	40.6%	50.0%	13.8%	16.7%	6.5%	9.1%	8.7%	0.0%	11.3%	16.7%	4.0%	0.0%	0.0%	0.0%	0.0%				9.4%
PB004547	31.3%	0.0%	15.4%	0.0%	11.1%	25.0%	6.8%	50.0%	11.7%	0.0%	3.5%	0.0%	0.0%	0.0%		0.0%			9.9%
PB004548	35.4%	0.0%	23.8%	0.0%	18.5%	12.5%	12.3%	20.0%	11.4%	0.0%	5.8%	0.0%	0.0%	0.0%	0.0%				14.9%
PB004549	0.0%		9.1%		4.2%		5.7%	0.0%	8.8%	0.0%	0.8%	0.0%	0.0%	14.3%	0.0%	0.0%			3.7%
PB004550	20.8%	0.0%	8.9%	0.0%	7.6%	0.0%	5.7%	20.0%	9.8%	8.3%	4.5%	0.0%	0.0%	0.0%	0.0%				7.1%
PB004551	20.0%		5.6%	0.0%	13.2%	50.0%	3.3%	0.0%	9.8%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.6%
PB004552	30.3%	0.0%	21.6%	0.0%	22.0%	0.0%	12.0%	0.0%	14.8%	100.0%	9.6%	0.0%	0.0%	0.0%	0.0%	0.0%			15.1%
PB004553	33.3%		14.3%		22.2%		3.1%		18.8%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%			8.3%
PB004554	15.8%	0.0%	4.2%	0.0%	9.0%	0.0%	6.9%	0.0%	5.6%	25.0%	2.9%	8.3%	0.0%	0.0%	0.0%	0.0%			5.9%
PB004555	25.0%		7.1%	0.0%	7.9%	0.0%	2.2%	50.0%	3.6%	0.0%	2.6%	0.0%	0.0%	3.6%	0.0%	2.3%	0.0%		3.6%
PB004556	14.3%	0.0%	6.1%	20.0%	3.3%	0.0%	3.8%	33.3%	5.4%	0.0%	2.9%	0.0%	0.0%	7.7%	0.0%	0.0%			4.4%
PB004557	40.0%	50.0%	18.3%	8.3%	11.4%	0.0%	10.4%	40.0%	6.2%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.5%
PB004558	37.5%	0.0%	21.4%	0.0%	15.4%	16.7%	6.6%	12.5%	10.9%	0.0%	1.5%	0.0%	0.0%	0.0%					10.2%
PB004559	31.4%	0.0%	19.5%	14.3%	16.9%	14.3%	14.9%	33.3%	14.7%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%			15.1%
PB004560	34.4%		21.7%	0.0%	8.7%	50.0%	6.7%	50.0%	6.1%	0.0%	1.9%	0.0%	0.0%	25.0%	0.0%	0.0%			8.5%
PB004561	28.9%	20.0%	17.1%	0.0%	13.9%	0.0%	8.4%	14.3%	3.7%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.6%
PB004562	12.5%		30.4%	100.0%	24.5%	0.0%	10.7%		13.3%		7.0%			0.0%		0.0%			17.3%
PB004563	28.6%	0.0%	23.8%	0.0%	11.6%	0.0%	8.2%	0.0%	10.6%	12.5%	4.6%	0.0%	0.0%	5.6%	0.0%	0.0%			10.5%
PB004564	16.1%		16.9%	33.3%	11.6%	0.0%	8.6%	25.0%	6.5%	10.0%	2.1%	0.0%	0.0%		0.0%	0.0%			7.7%
PB004565	6.7%	50.0%	10.8%	0.0%	9.5%	16.7%	6.3%	0.0%	14.2%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%			7.5%
PB004566	28.4%	0.0%	24.7%	66.7%	18.2%	40.0%	7.0%	33.3%	20.4%	20.0%	9.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		16.9%
PB004567	0.0%	0.0%	8.0%	11.1%	4.7%	14.3%	4.3%	0.0%	7.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%			4.1%
PB004568	19.0%	0.0%	12.0%	12.5%	3.7%	12.5%	8.1%	11.1%	9.6%	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%			7.3%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004569	14.3%	0.0%	13.3%	0.0%	8.3%	100.0%	3.9%	0.0%	6.8%	14.3%	2.0%	11.1%	0.0%	0.0%	0.0%	0.0%			5.2%
PB004570	25.0%	0.0%	15.0%	0.0%	18.8%		11.0%	0.0%	3.7%	100.0%	2.8%	0.0%	0.0%						10.1%
PB004571	34.8%	0.0%	18.6%	100.0%	12.5%	33.3%	9.1%	0.0%	11.2%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%			11.9%
PB004572	24.4%	0.0%	12.6%	50.0%	9.8%	0.0%	5.3%	0.0%	7.6%	0.0%	2.1%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%
PB004573	31.1%	37.5%	30.6%	12.0%	18.0%	10.3%	11.8%	26.7%	21.5%	45.5%	11.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18.3%
PB004574	21.1%	23.8%	18.3%	13.0%	17.6%	11.3%	13.5%	17.0%	13.7%	10.9%	6.0%	6.9%	0.0%	0.0%	0.0%	0.0%			13.7%
PB004575	6.3%		20.0%	0.0%	12.0%	0.0%	5.7%	25.0%	14.0%	0.0%	6.2%	0.0%	0.0%	0.0%		0.0%			10.0%
PB004576	21.4%		14.8%	0.0%	11.3%	0.0%	6.7%	0.0%	10.6%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.4%
PB004577	33.3%		16.0%	50.0%	8.5%	33.3%	5.3%	0.0%	8.7%	0.0%	3.0%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%		4.9%
PB004578	0.0%		50.0%	0.0%	9.5%	0.0%	14.3%		25.8%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.7%
PB004579	18.8%		14.0%	0.0%	6.3%	0.0%	6.5%	0.0%	10.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%			7.6%
PB004580	11.1%	25.0%	13.3%	0.0%	7.0%	0.0%	6.3%	0.0%	12.9%	0.0%	3.6%	0.0%	0.0%	6.7%	0.0%	0.0%			7.7%
PB004581	22.4%	0.0%	25.4%	25.0%	18.0%	0.0%	12.9%	0.0%	16.7%	0.0%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%			13.9%
PB004582	40.0%	25.0%	17.4%	16.7%	13.6%	0.0%	11.2%	20.0%	18.4%	8.3%	5.4%	11.1%	0.0%	0.0%	0.0%	0.0%			13.0%
PB004583	20.7%	0.0%	21.7%	11.1%	18.3%	8.3%	8.4%	15.0%	17.5%	10.5%	3.3%	0.0%	0.0%	11.1%	0.0%				12.9%
PB004584	31.8%		20.0%	0.0%	6.5%	0.0%	6.1%	14.3%	9.8%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.3%
PB004585	21.4%		10.2%	0.0%	7.9%	20.0%	7.4%	0.0%	6.4%	25.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%			7.4%
PB004586	0.0%	100.0%	11.1%	0.0%	0.0%		20.0%	0.0%	17.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.5%
PB004587	0.0%		33.3%	0.0%	4.3%	0.0%	2.3%		3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.6%
PB004588	28.6%	0.0%	7.7%	0.0%	15.6%	0.0%	3.2%	0.0%	7.5%	0.0%	2.1%	0.0%	6.7%	0.0%	0.0%	0.0%			5.1%
PB004589	100.0%		30.0%		10.0%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.8%
PB004590	12.5%		6.3%	0.0%	9.1%	0.0%	1.7%	0.0%	6.0%		0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.6%
PB004591	33.3%		15.4%		10.5%		5.3%		6.7%	0.0%	0.8%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%		2.7%
PB004592	0.0%		11.8%		3.0%	0.0%	3.6%	0.0%	18.1%	0.0%	6.7%	0.0%	0.0%	0.0%	0.0%	0.0%			7.5%
PB004593	0.0%		33.3%		20.0%	0.0%	8.3%	0.0%	17.6%	0.0%	9.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%		8.3%
PB004594	19.0%	0.0%	23.1%	28.6%	14.3%	20.0%	9.3%	50.0%	13.2%	0.0%	4.0%	0.0%	0.0%	0.0%	#####	0.0%		0.0%	11.9%
PB004595	8.3%	33.3%	20.0%	0.0%	9.4%	0.0%	9.2%	16.7%	10.6%	16.7%	3.6%	15.4%	0.0%	6.7%	0.0%	0.0%			7.7%
PB004596	29.5%	33.3%	19.2%	0.0%	14.7%	0.0%	10.9%	14.3%	18.1%	0.0%	5.2%	20.0%	9.1%	14.3%	0.0%	0.0%			13.6%
PB004597	38.7%	0.0%	16.4%	0.0%	15.9%	0.0%	11.0%	0.0%	9.6%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		11.8%
PB004598	23.8%	0.0%	30.9%	0.0%	14.6%	16.7%	9.0%	44.4%	11.9%	20.0%	4.8%	14.3%	0.0%	0.0%	0.0%	0.0%			12.4%
PB004599	14.3%		21.4%	0.0%	15.2%	0.0%	7.5%	11.1%	11.9%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%				10.3%
PB004600	21.4%	100.0%	14.6%	22.2%	17.2%	0.0%	3.4%	25.0%	16.5%	12.5%	2.1%	0.0%	0.0%		0.0%	0.0%	0.0%		10.9%
PB004601	0.0%		11.8%		5.3%	0.0%	12.8%		6.9%	0.0%	11.5%	0.0%	0.0%	0.0%	0.0%	0.0%			8.6%
PB004602	22.2%	0.0%	13.8%	0.0%	9.4%	0.0%	7.8%	0.0%	5.8%	50.0%	2.6%	0.0%	0.0%	0.0%	0.0%		0.0%		6.9%
PB004603	22.7%	0.0%	12.2%	33.3%	8.4%	0.0%	5.8%	20.0%	10.1%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%			7.7%
PB004604	37.1%		19.0%	0.0%	13.7%	0.0%	4.8%	20.0%	10.4%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%			8.9%
PB004605	26.6%	50.0%	25.3%	8.3%	16.2%	12.5%	11.3%	16.7%	16.5%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%			13.5%
PB004606	4.5%	50.0%	15.9%	10.0%	8.6%	0.0%	6.7%	11.1%	8.9%	9.1%	2.2%	8.3%	0.0%	5.0%	0.0%	0.0%	0.0%		6.6%
PB004607	25.0%		30.0%		3.3%		2.2%		11.3%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.1%
PB004608	33.3%		0.0%	0.0%	23.1%		0.0%	0.0%	0.0%	100.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%			4.7%
PB004609	35.7%	0.0%	19.6%	0.0%	7.6%	0.0%	8.4%	25.0%	11.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		8.5%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004610	6.3%	0.0%	7.5%	50.0%	8.6%	0.0%	2.7%	0.0%	10.9%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			5.6%
PB004611	11.1%	0.0%	6.7%		9.5%		2.0%	0.0%	5.6%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.2%
PB004612	32.3%	0.0%	20.8%	22.2%	14.6%	7.7%	8.8%	21.1%	13.8%	0.0%	4.8%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%		11.6%
PB004613	6.3%	33.3%	10.8%	0.0%	18.1%	50.0%	5.2%	0.0%	8.9%	9.1%	5.6%	0.0%	4.2%	2.6%	0.0%	0.0%	0.0%		7.0%
PB004614	25.0%	0.0%	25.0%	0.0%	13.9%	0.0%	4.4%	40.0%	8.9%	0.0%	3.6%	0.0%		0.0%	0.0%				8.1%
PB004615	29.4%	0.0%	8.5%	0.0%	11.4%	0.0%	4.7%		10.5%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%			7.3%
PB004616	27.8%		23.4%		12.6%	20.0%	10.9%	0.0%	13.5%	50.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%			10.3%
PB004617	23.6%	19.0%	15.5%	19.2%	12.5%	7.6%	9.4%	16.3%	15.0%	16.0%	5.3%	6.3%	0.0%	0.0%	0.0%	0.0%			12.1%
PB004618	21.1%	0.0%	26.5%	50.0%	14.6%	20.0%	10.1%	33.3%	10.0%	0.0%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%			11.3%
PB004619	28.6%	16.7%	21.0%	16.7%	13.0%	0.0%	5.6%	18.2%	9.6%	14.3%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%			9.4%
PB004620	24.3%	100.0%	13.5%	0.0%	12.6%	0.0%	7.4%	16.7%	12.5%	40.0%	4.6%	0.0%	0.0%	0.0%	0.0%	0.0%			9.9%
PB004621	33.3%		15.1%	0.0%	8.4%	12.5%	4.5%	14.3%	12.3%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		8.2%
PB004622	26.8%	0.0%	16.3%	0.0%	12.8%	20.0%	7.9%	0.0%	9.6%	11.1%	5.3%	0.0%	12.5%	0.0%	66.7%	0.0%			9.9%
PB004623	0.0%	0.0%	25.0%	0.0%	13.5%	0.0%	2.4%		2.0%	0.0%	1.9%	0.0%							6.4%
PB004624	27.3%		6.1%	0.0%	7.2%	0.0%	16.2%	0.0%	11.1%		3.5%	0.0%		0.0%					9.7%
PB004625	16.3%	14.3%	19.4%	14.3%	6.4%	11.1%	6.0%	28.6%	8.9%	0.0%	6.3%	0.0%	0.0%	0.0%	#####	0.0%			9.5%
PB004626	20.0%		13.6%	25.0%	11.7%	0.0%	4.1%	0.0%	13.3%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%		0.0%		8.0%
PB004627	18.6%	14.3%	19.0%	0.0%	13.5%	18.2%	6.2%	0.0%	8.0%	9.1%	3.0%	0.0%	13.3%	0.0%	0.0%	0.0%			8.6%
PB004628	14.3%		22.2%	50.0%	21.2%	50.0%	5.9%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.7%
PB004629	40.9%	25.0%	8.9%	50.0%	9.1%	25.0%	12.2%		18.2%	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%			11.7%
PB004630	28.2%	100.0%	23.8%	100.0%	9.8%	0.0%	5.7%	0.0%	19.0%	0.0%	5.2%	0.0%	0.0%	0.0%	0.0%				13.0%
PB004631	30.8%	0.0%	31.4%	20.0%	16.7%	12.5%	4.9%	20.0%	18.8%	14.3%	6.1%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%		10.0%
PB004632	39.0%	0.0%	19.3%	10.0%	11.6%	0.0%	8.3%	12.5%	13.9%	0.0%	5.4%	0.0%	0.0%	0.0%		0.0%			11.8%
PB004633	21.7%		13.5%	0.0%	7.4%	0.0%	8.4%	0.0%	11.9%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%			7.4%
PB004634	37.5%		29.2%	0.0%	20.3%	0.0%	3.8%	0.0%	6.6%	0.0%	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.9%
PB004635	25.0%	0.0%	15.7%	100.0%	9.3%	16.7%	4.6%	0.0%	8.9%	0.0%	6.2%	0.0%	0.0%	0.0%	0.0%	0.0%			8.9%
PB004636	22.9%		13.7%	0.0%	4.8%	0.0%	6.9%	0.0%	7.5%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%			6.8%
PB004637	30.9%	0.0%	16.8%	50.0%	12.7%	0.0%	9.5%	44.4%	15.2%	10.0%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%			12.7%
PB004638	25.0%	25.0%	16.4%	17.6%	9.6%	0.0%	7.5%	15.4%	14.8%	0.0%	4.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.8%
PB004639	21.4%		15.0%	0.0%	19.3%	0.0%	7.4%	0.0%	7.8%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%			7.4%
PB004640	33.3%		33.3%		3.3%	0.0%	2.4%		10.7%	0.0%	5.4%	9.1%	0.0%	4.2%	0.0%	0.0%	0.0%		6.0%
PB004641	0.0%	100.0%	8.3%		5.9%		8.0%	0.0%	10.6%	20.0%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%			5.4%
PB004642	31.3%	40.0%	10.3%	16.7%	13.9%	0.0%	5.8%	0.0%	9.2%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%			9.9%
PB004643	37.5%		7.1%	0.0%	12.5%	0.0%	4.4%	0.0%	16.4%	0.0%	2.6%	0.0%	0.0%	10.0%	0.0%	0.0%	0.0%		6.9%
PB004644	17.8%	0.0%	14.5%	0.0%	15.5%	50.0%	6.9%	28.6%	11.9%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%			9.1%
PB004645	16.7%	0.0%	15.8%	0.0%	2.6%	0.0%	1.6%	0.0%	5.7%	14.3%	4.6%	0.0%	4.2%	0.0%	0.0%	0.0%	0.0%		3.7%
PB004646	20.6%	0.0%	17.4%	0.0%	5.4%	11.1%	7.9%	16.7%	8.8%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.8%
PB004647	23.3%	20.0%	16.9%	33.3%	9.6%	5.9%	8.4%	7.7%	11.5%	5.6%	4.8%	0.0%	0.0%	11.1%	0.0%	0.0%			9.5%
PB004648	25.0%	50.0%	19.7%	0.0%	16.4%	0.0%	6.1%	0.0%	8.1%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%			8.7%
PB004650	38.1%	40.0%	20.6%	10.5%	18.6%	4.8%	11.6%	20.0%	12.6%	11.8%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%			11.5%
PB004651	9.1%		4.8%	0.0%	6.3%	0.0%	2.6%	0.0%	6.3%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%			3.5%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004652	11.1%	0.0%	5.7%	28.6%	10.4%	0.0%	7.7%	0.0%	11.6%	0.0%	5.8%	0.0%	0.0%	0.0%	0.0%	0.0%			8.0%
PB004653	15.4%		15.8%	0.0%	9.4%	0.0%	7.2%	0.0%	9.4%	0.0%	3.8%	0.0%							8.1%
PB004654	20.0%		15.4%		18.2%	0.0%	1.9%		2.4%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.9%
PB004655	36.4%		18.6%		15.1%	0.0%	6.1%		6.9%	0.0%	4.3%	0.0%			0.0%	0.0%			9.3%
PB004656	27.0%		6.3%		8.5%		7.2%		9.0%	0.0%	3.3%	0.0%							7.9%
PB004657	0.0%		0.0%		16.7%	0.0%	5.0%		3.8%	0.0%	1.1%	0.0%							3.7%
PB004658	28.0%		14.4%	0.0%	9.0%	0.0%	5.3%	0.0%	9.1%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%			7.8%
PB004659	23.1%		15.8%	0.0%	12.2%	0.0%	3.2%		9.5%	0.0%	2.5%	0.0%	0.0%						6.9%
PB004660	33.3%		23.5%		13.1%	50.0%	7.9%	0.0%	11.9%	0.0%	0.9%	0.0%							9.3%
PB004661	9.1%	50.0%	12.0%	0.0%	10.7%	0.0%	11.1%	0.0%	14.6%	0.0%	5.7%	0.0%	0.0%		0.0%	0.0%			10.4%
PB004662	27.5%	0.0%	18.4%	0.0%	13.8%	0.0%	11.7%	10.0%	16.0%	14.3%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			12.5%
PB004663	26.3%	33.3%	18.9%	0.0%	7.6%	0.0%	4.8%	33.3%	5.3%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%		0.0%		7.4%
PB004664	24.5%	0.0%	11.8%		9.5%	0.0%	7.7%	0.0%	8.6%		3.6%	0.0%		0.0%					8.3%
PB004665	32.1%	0.0%	25.8%	25.0%	19.4%		14.5%	0.0%	25.2%	0.0%	7.9%	16.7%							18.8%
PB004666	9.7%		8.5%	0.0%	7.3%		4.4%		6.4%		2.4%								5.5%
PB004667	30.8%		24.4%		14.3%	0.0%	9.5%		15.4%	0.0%	5.5%	0.0%							11.3%
PB004668	28.8%	0.0%	20.1%	33.3%	12.9%	33.3%	7.6%		10.7%	50.0%	5.2%	0.0%	0.0%		0.0%	0.0%			12.8%
PB004669	16.7%		6.5%		12.3%		9.2%		6.3%		1.3%								6.3%
PB004670	31.4%	0.0%	19.1%	11.1%	12.1%	28.6%	7.1%	41.7%	15.7%	9.5%	6.9%	14.3%	0.0%	0.0%	0.0%				11.6%
PB004671	34.6%	0.0%	18.6%	0.0%	11.7%	0.0%	6.7%	66.7%	8.6%	0.0%	5.6%	10.0%	20.0%	0.0%	0.0%	10.0%	0.0%		10.2%
PB004672	20.3%	0.0%	10.0%		8.1%		5.4%	50.0%	10.2%	0.0%	6.8%	0.0%							8.9%
PB004673	27.8%		18.0%		14.5%		8.0%	0.0%	10.0%	0.0%	5.0%	0.0%	0.0%						11.8%
PB004674	30.0%		15.4%		5.8%		6.0%		9.7%	100.0%	1.7%	0.0%					0.0%		6.4%
PB004675	27.3%		16.4%		7.8%	0.0%	7.5%		9.7%	0.0%	3.1%								7.9%
PB004676	33.3%		7.7%		15.4%		2.4%		3.9%	0.0%	2.8%	0.0%	0.0%						4.6%
PB004677	14.3%		25.0%		23.8%		6.9%		4.2%		1.9%								7.1%
PB004678	27.3%		14.2%		7.4%		5.0%		7.4%		1.8%	0.0%							6.8%
PB004679	25.0%		0.0%		15.2%	0.0%	5.8%	33.3%	1.8%	0.0%	0.6%	0.0%		0.0%					3.4%
PB004680	0.0%		25.0%		11.8%		0.0%		3.6%		6.7%			0.0%					6.2%
PB004681	50.0%	0.0%	17.9%		6.8%		7.7%	0.0%	8.7%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.7%
PB004682	7.1%	50.0%	16.7%	0.0%	7.7%	50.0%	6.3%	100.0%	12.0%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%			7.9%
PB004683	32.1%	0.0%	14.3%		8.0%		3.0%	0.0%	10.8%	0.0%	1.7%								7.4%
PB004684	33.9%	0.0%	24.0%	50.0%	12.1%	0.0%	7.8%	0.0%	14.0%	0.0%	4.9%	0.0%	0.0%	0.0%	0.0%				13.6%
PB004685	38.1%		23.5%	0.0%	15.6%	0.0%	10.4%	50.0%	16.3%	0.0%	6.1%	0.0%							14.2%
PB004686	22.2%		9.2%		1.4%	0.0%	4.8%		10.6%		1.8%								5.3%
PB004687	29.8%	0.0%	17.5%	0.0%	11.3%	0.0%	1.7%	0.0%	9.2%	0.0%	3.4%	3.1%	0.0%	0.0%	0.0%	2.9%	0.0%		6.9%
PB004688	38.1%	0.0%	21.1%		18.5%		8.9%		5.4%	0.0%	2.3%	0.0%							10.8%
PB004689	27.8%		27.5%		13.3%	0.0%	6.8%	0.0%	6.1%	0.0%	4.8%	0.0%							8.9%
PB004690	22.6%	0.0%	16.9%		10.3%		6.7%	0.0%	13.7%		3.1%								9.5%
PB004691	17.4%	0.0%	12.8%	40.0%	5.5%	0.0%	4.6%	0.0%	5.4%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.9%
PB004692	27.8%		14.5%	0.0%	8.0%	16.7%	7.6%		8.2%		9.7%	0.0%	0.0%	0.0%	0.0%				9.7%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004693	21.7%		15.0%	0.0%	10.2%	0.0%	7.5%		17.0%		4.9%								11.0%
PB004695	17.9%	100.0%	21.3%	15.4%	9.5%	0.0%	10.6%	5.3%	12.4%	12.5%	5.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.7%
PB004696	0.0%		0.0%		18.5%		6.9%		11.1%		5.9%	0.0%							7.9%
PB004697	33.3%		18.2%		8.0%		9.3%		12.6%		4.6%								10.8%
PB004698	7.7%	0.0%	12.3%	0.0%	6.3%	0.0%	4.1%	20.0%	6.8%	6.7%	3.8%	0.0%	9.1%	40.0%	10.0%	0.0%	0.0%		5.6%
PB004699	25.8%	0.0%	21.5%	10.0%	10.9%	0.0%	7.2%	0.0%	10.6%	10.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		10.3%
PB004700	14.3%	0.0%	8.0%	50.0%	7.9%	0.0%	5.0%	0.0%	13.0%	12.5%	2.8%	0.0%							6.5%
PB004701	14.3%		15.6%		10.1%		2.7%		7.7%		2.9%								6.5%
PB004702	20.0%	0.0%	13.9%		11.7%	0.0%	9.9%		12.2%	0.0%	4.0%	0.0%							9.0%
PB004703	51.6%		21.2%		14.1%	0.0%	12.6%	0.0%	22.0%		9.1%								17.2%
PB004704	13.6%	0.0%	21.0%	0.0%	15.5%	0.0%	3.9%	0.0%	12.2%	0.0%	10.1%	0.0%	33.3%	0.0%					12.1%
PB004705	14.8%	0.0%	7.4%	0.0%	8.4%	0.0%	5.1%	0.0%	8.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%			5.1%
PB004706	28.6%		11.3%		7.6%		6.2%	100.0%	11.5%		4.4%								8.4%
PB004707	25.8%		18.3%		9.0%		10.3%		7.1%	0.0%	4.4%	0.0%		0.0%					9.3%
PB004708	40.0%	0.0%	18.1%	0.0%	14.1%	0.0%	9.7%	0.0%	17.3%	0.0%	5.8%	0.0%							13.4%
PB004709	22.6%		23.1%		9.4%	100.0%	3.9%		19.3%	50.0%	5.7%								11.6%
PB004710	26.2%		16.5%	0.0%	11.7%	0.0%	5.8%	0.0%	10.6%	0.0%	3.6%	0.0%							8.7%
PB004711	50.0%		23.1%	0.0%	15.8%	0.0%	12.2%		8.6%	0.0%	3.5%	0.0%			0.0%				7.8%
PB004712	36.5%	33.3%	19.7%	20.0%	7.0%	0.0%	7.1%	0.0%	10.5%	7.7%	2.8%	0.0%	0.0%	0.0%		0.0%			9.0%
PB004713	16.7%		7.7%		11.8%	0.0%	7.9%	0.0%	13.3%		3.2%				0.0%				8.0%
PB004714	33.3%		25.0%	0.0%	13.2%	0.0%	4.4%		19.1%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%				9.7%
PB004715	19.1%	100.0%	16.7%		12.3%		9.6%		16.5%		8.9%								12.5%
PB004716	12.5%		15.6%		6.5%	0.0%	3.7%	0.0%	8.0%	0.0%	2.5%	0.0%							5.5%
PB004717	4.0%	100.0%	9.6%	0.0%	5.4%	0.0%	2.2%	0.0%	8.3%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			5.0%
PB004718	0.0%		10.0%		4.5%	0.0%	6.9%	0.0%	7.5%	0.0%	1.2%	0.0%							4.1%
PB004719	14.3%		12.8%		9.4%		4.8%		7.9%		1.7%								7.1%
PB004720	28.6%		21.1%		9.1%		1.7%		13.6%		7.1%								9.1%
PB004721	28.6%		21.7%		16.7%		3.9%		15.2%		3.2%	0.0%	0.0%						11.8%
PB004722	13.6%		11.1%	50.0%	12.6%	0.0%	1.4%	0.0%	6.0%	0.0%	2.1%	0.0%							5.5%
PB004723	31.8%	0.0%	15.3%	0.0%	6.3%	12.5%	7.4%	0.0%	11.7%	10.5%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.5%
PB004724	0.0%		33.3%		0.0%		16.7%		0.0%		6.1%	0.0%							8.6%
PB004725	32.0%		14.1%		13.0%		4.6%		11.0%		6.5%								9.4%
PB004726	20.7%		17.2%		7.3%	0.0%	6.1%		13.0%		6.5%								9.8%
PB004727	21.1%	100.0%	12.3%	0.0%	7.1%	0.0%	6.7%	0.0%	10.2%	0.0%	4.8%	0.0%							8.2%
PB004728	30.5%		21.1%		11.4%		6.6%		9.0%		2.9%								9.3%
PB004729	21.4%	0.0%	6.3%	0.0%	9.0%	0.0%	1.7%	33.3%	5.0%	0.0%	2.3%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%		4.5%
PB004730	47.6%		27.3%		18.2%	0.0%	9.6%	20.0%	8.1%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		11.9%
PB004731	31.7%	0.0%	21.1%	0.0%	11.7%	0.0%	9.8%		15.2%	0.0%	5.9%	0.0%							12.6%
PB004732	28.3%		22.3%		11.0%		9.0%		11.4%		6.1%								11.7%
PB004733	8.3%	0.0%	18.2%	0.0%	7.0%	0.0%	9.5%	100.0%	8.3%	0.0%	0.6%	0.0%	0.0%		0.0%	0.0%			6.6%
PB004734	0.0%		8.3%		9.5%		5.9%		6.3%		5.5%								6.4%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004735	0.0%		50.0%		7.1%	0.0%	0.0%		2.9%	0.0%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%			5.0%
PB004736	0.0%		27.3%		0.0%	0.0%	7.7%		0.0%	0.0%	4.5%	0.0%		0.0%	0.0%	0.0%			4.5%
PB004737	18.2%	100.0%	9.1%	33.3%	8.0%	33.3%	9.1%	0.0%	11.1%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.7%
PB004738	20.4%	100.0%	14.8%	20.0%	12.3%	33.3%	11.5%	20.0%	15.0%	0.0%	4.9%	0.0%		0.0%			0.0%		11.3%
PB004739	23.8%		21.3%		8.7%		6.6%	0.0%	9.6%		5.0%			0.0%	0.0%				8.8%
PB004740	40.0%		25.9%		16.7%		7.7%		9.0%		4.2%								10.9%
PB004741	38.5%		10.8%		9.2%		3.4%	0.0%	17.6%	100.0%	4.2%	0.0%							9.6%
PB004742	0.0%		10.7%		6.3%	0.0%	6.6%	0.0%	5.4%	0.0%	0.7%			0.0%					4.1%
PB004743	33.3%		23.8%	0.0%	8.1%	0.0%	10.5%		11.9%		5.2%	0.0%							10.4%
PB004744	0.0%		12.1%		4.9%		2.7%		3.4%		1.4%	0.0%							3.1%
PB004745	36.8%	0.0%	18.4%		2.7%	0.0%	2.8%		7.0%	0.0%	2.6%	0.0%			0.0%				4.8%
PB004746	48.6%	16.7%	18.0%	0.0%	12.3%	13.3%	13.5%	0.0%	18.5%	0.0%	9.9%	0.0%	0.0%	100.0%	0.0%				13.7%
PB004747	0.0%		20.8%	0.0%	8.8%		7.8%	0.0%	6.2%	0.0%	2.0%	0.0%	0.0%	0.0%					6.2%
PB004748	32.1%		22.0%	20.0%	8.8%	0.0%	7.5%	0.0%	11.4%	25.0%	4.2%	0.0%							9.6%
PB004749	18.8%	0.0%	21.6%	0.0%	17.4%	50.0%	11.1%	0.0%	12.6%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		11.8%
PB004750	28.6%		13.5%	0.0%	13.0%	50.0%	7.1%	0.0%	12.6%	33.3%	7.4%	0.0%	0.0%		0.0%	0.0%			10.6%
PB004751	21.1%		8.8%	0.0%	8.5%		6.3%	0.0%	12.2%	50.0%	6.6%	0.0%							8.8%
PB004752	18.8%		16.3%	50.0%	5.8%	0.0%	5.8%	66.7%	10.0%	33.3%	6.1%	28.6%							8.8%
PB004753	11.8%		14.4%		6.5%	0.0%	8.3%	0.0%	8.5%	0.0%	2.4%	0.0%							7.4%
PB004754	32.1%		21.2%		8.9%		8.4%	0.0%	15.1%	0.0%	3.6%	100.0%							11.5%
PB004755	19.7%	0.0%	22.1%	11.1%	12.0%	0.0%	10.0%	0.0%	13.5%	33.3%	5.5%	0.0%	0.0%	0.0%	0.0%	0.0%			12.2%
PB004756	12.5%	0.0%	5.6%		3.1%		4.5%	0.0%	11.4%	0.0%	4.7%	0.0%							6.0%
PB004757	0.0%		16.7%		19.4%		11.5%	0.0%	15.6%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.9%
PB004758	27.9%	0.0%	14.7%		12.3%		6.8%		9.6%	0.0%	6.2%	0.0%							11.2%
PB004759	27.3%		21.0%	33.3%	9.5%	0.0%	5.5%	50.0%	6.6%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%			7.3%
PB004760	30.4%		17.8%	0.0%	8.8%	0.0%	6.3%		8.9%	50.0%	3.6%	33.3%	0.0%						9.8%
PB004761	20.0%	0.0%	8.1%	0.0%	10.7%	16.7%	4.9%	0.0%	11.7%	0.0%	2.4%	0.0%	0.0%	0.0%	14.3%	0.0%	0.0%		6.8%
PB004762	43.5%	50.0%	13.5%	0.0%	11.0%	33.3%	9.9%	11.1%	7.7%	0.0%	5.9%	6.3%		0.0%					10.6%
PB004763	10.9%	100.0%	17.7%	20.0%	9.4%	0.0%	4.2%	0.0%	7.6%	33.3%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%			6.0%
PB004765	19.4%	100.0%	17.2%	8.3%	11.4%	0.0%	7.3%	12.5%	7.8%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%			7.9%
PB004766	27.3%		20.7%		10.6%		9.2%		12.6%		2.7%								9.1%
PB004767	32.3%	0.0%	17.3%	0.0%	10.3%	0.0%	6.9%	0.0%	11.8%	0.0%	4.1%	0.0%							9.8%
PB004768	20.0%		12.1%		12.4%	50.0%	8.5%	0.0%	5.9%		0.0%			0.0%					8.2%
PB004769	18.8%	33.3%	25.0%	0.0%	6.5%	0.0%	8.3%	0.0%	13.8%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			9.1%
PB004770	27.4%	0.0%	12.7%	0.0%	12.7%	0.0%	5.2%	0.0%	6.2%	0.0%	5.3%	0.0%		0.0%	0.0%	0.0%			9.1%
PB004771			25.0%		13.3%		9.1%		0.0%		0.0%								5.9%
PB004772	36.4%		20.0%		12.9%		7.1%	0.0%	4.5%		4.5%	0.0%							10.6%
PB004773	26.5%	100.0%	15.0%	15.4%	9.8%	20.0%	8.7%	57.1%	13.3%	0.0%	4.8%	5.9%		0.0%		0.0%			10.3%
PB004774	0.0%		60.0%		10.5%		18.2%		15.8%	0.0%	5.3%	0.0%	0.0%				0.0%		11.9%
PB004775	20.0%		37.1%		21.1%		21.5%	100.0%	40.7%		21.2%								27.0%
PB004776	38.9%	0.0%	12.2%	28.6%	14.8%	0.0%	6.9%	0.0%	8.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.6%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004777	34.3%		28.8%	0.0%	19.0%	50.0%	8.5%	0.0%	13.8%	0.0%	5.4%	0.0%	0.0%	0.0%		0.0%			15.7%
PB004778	33.3%		5.6%		2.1%		2.8%		3.5%		1.3%			0.0%					2.7%
PB004779	32.0%	11.1%	20.7%	6.7%	15.3%	10.0%	9.5%	7.1%	15.2%	12.5%	6.3%	0.0%		0.0%	0.0%	0.0%			14.9%
PB004780	25.0%		20.7%	0.0%	19.0%		6.3%	0.0%	12.1%		6.5%					0.0%			11.9%
PB004781	33.3%		11.4%		10.8%		1.2%	0.0%	5.2%		0.7%					0.0%			4.6%
PB004782	12.5%		15.0%		10.7%		4.1%	50.0%	6.7%	0.0%	6.2%	0.0%			0.0%				7.3%
PB004783	54.5%		17.1%	0.0%	6.1%	0.0%	2.1%	0.0%	4.9%	0.0%	1.8%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%		5.4%
PB004784	29.2%	100.0%	21.6%	11.1%	11.0%	0.0%	12.6%	27.3%	16.3%	12.5%	4.2%	0.0%							13.4%
PB004785	6.9%		15.0%		14.4%		9.0%		13.9%		5.6%								10.3%
PB004786	26.5%	0.0%	14.1%	0.0%	15.0%	0.0%	6.3%	0.0%	8.4%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%			8.5%
PB004787	30.3%		19.7%	50.0%	10.6%	0.0%	6.4%	0.0%	10.2%	0.0%	2.5%	0.0%							8.9%
PB004788	26.2%		17.7%		12.3%		5.5%	0.0%	8.7%		5.3%	0.0%							9.8%
PB004789	18.8%		12.2%	0.0%	8.2%	40.0%	5.9%	50.0%	8.8%	0.0%	4.6%	6.7%							7.5%
PB004790	33.3%		27.0%	0.0%	8.3%		7.0%		6.7%		3.9%	0.0%							8.3%
PB004791	40.0%		12.5%	0.0%	12.7%	0.0%	8.2%	0.0%	17.9%	50.0%	5.2%	0.0%							11.5%
PB004792	43.5%		24.7%		10.3%	0.0%	10.3%		10.9%		5.1%								10.4%
PB004793	20.6%	0.0%	15.5%	0.0%	9.7%	13.3%	5.0%	25.0%	8.4%	5.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%			7.1%
PB004794	11.1%		19.0%		9.8%		11.1%	0.0%	14.9%		5.9%	0.0%							10.2%
PB004795	33.3%		22.0%		12.8%		4.9%	0.0%	7.9%		1.4%	0.0%							7.4%
PB004796	0.0%		0.0%	0.0%	9.1%	0.0%	0.0%	25.0%	13.3%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.1%
PB004797	25.0%	0.0%	14.8%	14.3%	5.5%	11.1%	7.6%	25.0%	8.3%	25.0%	3.6%	0.0%							7.5%
PB004798	31.7%		22.7%	0.0%	11.4%	0.0%	6.1%	100.0%	11.5%		4.7%								10.4%
PB004799	42.9%		0.0%		4.7%		6.3%		4.6%	0.0%	2.3%	0.0%							4.4%
PB004800	23.6%	0.0%	19.9%	0.0%	13.3%	25.0%	5.3%	0.0%	4.8%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%	50.0%			9.1%
PB004801	0.0%		0.0%	50.0%	0.0%	0.0%	9.1%		7.4%	0.0%	3.5%	0.0%		0.0%	0.0%	0.0%			5.3%
PB004802	30.0%	0.0%	24.6%	40.0%	17.9%	11.1%	10.7%	20.0%	12.7%	0.0%	6.1%	0.0%	0.0%	0.0%	0.0%	0.0%			14.9%
PB004803	33.3%		0.0%		0.0%		9.1%		5.3%		9.5%	0.0%							7.8%
PB004804	27.1%		18.0%	100.0%	10.1%	50.0%	8.0%	0.0%	10.8%	0.0%	4.7%	0.0%							10.5%
PB004805	10.0%	100.0%	15.8%	0.0%	12.0%	0.0%	4.1%	0.0%	10.0%	0.0%	8.4%	0.0%	0.0%	0.0%	0.0%				9.6%
PB004806	22.2%		42.1%		12.8%	0.0%	15.3%		25.9%		11.6%	0.0%			#####				18.8%
PB004807	25.0%		11.8%		5.1%		9.8%	0.0%	6.5%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.2%
PB004808	25.8%	0.0%	22.5%	0.0%	6.1%	0.0%	9.3%		10.6%	0.0%	2.9%			0.0%					10.4%
PB004809	15.4%	0.0%	15.3%	14.3%	11.1%	0.0%	5.4%	16.7%	12.3%	0.0%	7.3%	0.0%							10.4%
PB004810	27.8%		14.7%		10.4%		6.4%		7.9%		3.9%	0.0%			0.0%				7.9%
PB004811	20.9%	0.0%	30.0%		8.3%	33.3%	5.1%	0.0%	11.4%	18.2%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%			12.1%
PB004812	41.8%		26.9%		19.3%	0.0%	9.7%	0.0%	14.6%		6.8%								15.3%
PB004813	14.8%		13.0%	0.0%	8.1%		9.6%		5.5%		4.3%	0.0%							7.6%
PB004814	35.8%	0.0%	20.4%	20.0%	10.7%	27.3%	4.8%	0.0%	11.1%	14.3%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		10.8%
PB004815	14.3%		13.0%		12.5%		3.3%		11.7%		7.8%	0.0%	0.0%						9.0%
PB004816	32.0%		26.7%	0.0%	11.6%		8.2%	50.0%	10.0%	0.0%	4.3%		0.0%						10.1%
PB004817	33.3%		25.0%		19.4%	0.0%	12.3%	0.0%	19.3%		6.7%								16.4%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004818	25.0%		16.7%		13.2%	0.0%	3.9%		8.7%	0.0%	3.2%	0.0%	0.0%						6.7%
PB004819	38.0%		16.9%		8.7%		5.8%		9.6%		3.0%								8.9%
PB004820	25.3%		18.6%		9.6%		7.4%		9.2%		3.9%								9.3%
PB004821	11.5%		18.5%	0.0%	10.5%		6.4%	0.0%	14.2%	0.0%	5.4%	0.0%	0.0%						9.8%
PB004822	31.7%	100.0%	22.1%	0.0%	8.9%	10.0%	9.3%	40.0%	13.5%	7.7%	6.3%	0.0%							11.5%
PB004823	18.9%	0.0%	17.3%	20.0%	8.6%	0.0%	8.9%	5.6%	10.2%	5.0%	4.5%	5.9%	0.0%	0.0%	0.0%	0.0%			9.1%
PB004824	17.5%	0.0%	7.9%	6.3%	8.1%	10.0%	5.6%	9.1%	6.4%	0.0%	3.9%	6.7%	0.0%	0.0%					6.2%
PB004825	22.2%		16.7%		18.8%		9.8%		10.2%	0.0%	2.0%	0.0%	0.0%			0.0%			8.1%
PB004826	15.8%		15.2%		14.3%		3.9%		2.0%		7.3%								8.3%
PB004827	21.4%	66.7%	18.0%	0.0%	6.0%	20.0%	6.2%	0.0%	9.4%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%			7.1%
PB004828	0.0%		22.2%		7.1%	50.0%	6.8%	50.0%	2.9%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%			4.7%
PB004829	11.6%	100.0%	9.4%	0.0%	6.3%	16.7%	4.0%	33.3%	3.2%	0.0%	2.0%	0.0%	0.0%	0.0%					4.8%
PB004830	25.0%	0.0%	8.8%		7.7%	0.0%	14.0%		18.4%	0.0%	7.5%	0.0%	0.0%	0.0%					11.2%
PB004831	0.0%		27.3%	0.0%	23.3%		0.0%		13.6%		3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.6%
PB004832	20.0%		16.9%	0.0%	4.4%	0.0%	1.0%		13.3%		7.8%	0.0%	0.0%						8.2%
PB004833	26.7%		17.6%		15.1%		7.7%		15.4%		6.3%								12.1%
PB004834	22.0%		23.6%		11.1%		6.2%	0.0%	11.1%	0.0%	5.9%	0.0%		0.0%					11.4%
PB004835	16.7%	50.0%	13.0%	16.7%	5.5%	50.0%	6.7%	0.0%	5.0%	0.0%	3.8%	0.0%	14.3%	0.0%	0.0%	0.0%			6.4%
PB004836	19.7%		11.9%	0.0%	6.5%	0.0%	5.6%	0.0%	3.6%	20.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%			5.5%
PB004837	34.8%	0.0%	19.0%	11.1%	20.7%	11.1%	11.1%	20.0%	14.9%	10.0%	7.9%	9.1%	0.0%	0.0%	0.0%				15.7%
PB004838	34.3%		21.2%		8.5%	50.0%	7.7%	33.3%	9.5%	0.0%	4.0%	8.3%	0.0%						8.7%
PB004839	36.0%	0.0%	22.1%	50.0%	8.7%	0.0%	5.6%	0.0%	7.4%	14.3%	0.6%	0.0%				0.0%			8.4%
PB004840	31.6%		17.5%	100.0%	15.1%	0.0%	8.0%	0.0%	11.1%		4.2%								12.1%
PB004841	26.3%		15.5%	16.7%	9.0%	33.3%	9.5%	0.0%	17.9%	50.0%	4.2%	0.0%		0.0%					11.0%
PB004842	14.6%	22.2%	20.8%	0.0%	9.5%	9.1%	6.4%	5.9%	4.8%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			7.1%
PB004843	9.9%		5.2%		6.6%		3.8%	0.0%	7.8%		4.7%								5.9%
PB004844	33.3%		20.3%		15.1%		8.3%	0.0%	7.1%		3.7%	0.0%							11.9%
PB004845	30.0%		10.3%		10.9%		3.4%		12.7%		2.0%								8.7%
PB004846	100.0%		50.0%	0.0%	8.3%	0.0%	3.2%		3.7%	0.0%	2.3%	11.1%	0.0%	0.0%	0.0%				4.3%
PB004847	37.3%		17.1%		10.7%		7.8%		11.0%		8.2%	0.0%				0.0%			11.8%
PB004848	21.4%		19.0%	100.0%	7.6%	0.0%	2.5%	0.0%	10.6%	50.0%	2.9%	0.0%							6.7%
PB004849	21.1%	0.0%	16.8%	12.5%	13.1%	11.1%	7.1%	15.4%	9.2%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		8.2%
PB004850	36.4%		15.9%		13.7%		9.4%		2.2%		3.1%	0.0%			0.0%				9.8%
PB004851	20.3%		16.3%		7.8%		10.9%		12.9%	0.0%	4.3%	50.0%							10.1%
PB004853	42.0%		28.7%		20.2%	20.0%	16.9%		12.0%		7.1%	0.0%	0.0%	0.0%					19.2%
PB004854	15.9%	25.0%	21.9%	14.3%	9.8%	0.0%	3.7%	7.7%	9.2%	16.7%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%			7.2%
PB004855	0.0%		6.3%	0.0%	9.4%	0.0%	7.2%		16.9%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.5%
PB004856	22.7%		20.3%		11.0%		5.6%	0.0%	8.7%		4.9%	0.0%							8.8%
PB004857	12.5%		13.5%		6.5%		2.2%		5.7%	0.0%	4.2%								5.4%
PB004858	23.9%		20.5%	50.0%	13.7%	0.0%	5.4%	0.0%	9.8%	0.0%	4.5%	0.0%	0.0%	0.0%		0.0%			10.2%
PB004859	33.3%	100.0%	0.0%		16.7%		7.3%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%		0.0%			4.7%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004860	32.6%	0.0%	23.0%	0.0%	11.6%	0.0%	14.4%	0.0%	12.9%		6.5%	0.0%	0.0%	0.0%	0.0%	0.0%			13.2%
PB004861	15.4%	100.0%	19.6%	0.0%	16.8%	50.0%	11.1%	0.0%	11.9%	0.0%	5.7%	0.0%	0.0%		0.0%	0.0%	0.0%		12.9%
PB004862	22.4%	33.3%	21.0%	33.3%	10.6%	33.3%	6.3%	0.0%	12.0%	25.0%	6.7%	0.0%	0.0%			0.0%			12.0%
PB004863	25.0%		7.0%	0.0%	8.9%	0.0%	10.1%	0.0%	10.9%	0.0%	4.6%		0.0%						8.6%
PB004864	40.0%		4.5%	0.0%	7.0%	25.0%	9.1%	50.0%	9.5%	0.0%	2.0%	0.0%	0.0%						5.8%
PB004865	25.7%		23.6%	0.0%	17.2%		10.6%		11.4%		6.7%								12.6%
PB004866	40.0%		22.5%	0.0%	8.3%		13.3%	0.0%	8.0%	0.0%	3.0%	0.0%							12.9%
PB004867	47.1%	100.0%	22.3%		11.7%	16.7%	11.1%	0.0%	13.6%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%			0.0%	14.2%
PB004868	19.0%	33.3%	15.2%	16.7%	15.9%	16.7%	9.1%	22.4%	11.8%	6.3%	6.5%	6.3%		0.0%					12.1%
PB004869	15.2%	12.5%	13.0%	0.0%	8.3%	6.7%	5.5%	0.0%	9.9%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%			7.3%
PB004870	27.7%	0.0%	21.9%	28.6%	10.6%	0.0%	12.7%	11.1%	12.0%	20.0%	6.7%	0.0%				0.0%			12.2%
PB004871	24.5%	0.0%	19.5%	0.0%	7.1%	0.0%	10.7%		7.7%	0.0%	5.1%	0.0%							9.6%
PB004872	15.8%	0.0%	7.7%	0.0%	6.7%	0.0%	3.7%	14.3%	5.6%	8.7%	2.4%	0.0%							4.8%
PB004873	41.0%		18.4%		10.5%	0.0%	6.8%		13.9%		4.2%								9.9%
PB004874	55.6%		9.3%		7.7%		4.7%		9.8%		3.1%								7.0%
PB004875	47.4%		17.0%		12.3%		6.9%		8.4%		5.6%								9.2%
PB004876	21.1%		8.2%		2.3%		3.3%		10.6%		3.0%								5.6%
PB004877	30.0%		6.8%	0.0%	13.8%	14.3%	8.0%	0.0%	8.8%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			8.3%
PB004878	13.3%		3.9%	0.0%	6.0%		3.2%		6.1%	0.0%	3.2%								4.5%
PB004879	27.5%		25.0%		12.3%		9.6%		11.9%		3.8%								11.7%
PB004880	20.8%		13.8%		13.4%		7.1%		10.2%		5.6%								10.1%
PB004881	17.5%		6.3%		4.6%	0.0%	4.0%	0.0%	7.8%	0.0%	3.8%	0.0%							5.5%
PB004882	50.0%		0.0%		11.5%		11.4%		5.9%	0.0%	3.6%	0.0%							7.5%
PB004884	37.5%	33.3%	19.1%	0.0%	18.0%	0.0%	5.8%	28.6%	9.6%	0.0%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%			11.1%
PB004885	66.7%		14.7%		19.7%		5.8%	0.0%	9.2%		3.9%	0.0%							10.3%
PB004886	33.3%		17.9%		7.4%	0.0%	1.0%	0.0%	8.8%	0.0%	6.0%	0.0%			0.0%	0.0%			6.6%
PB004887	25.0%		18.0%		7.6%		6.5%		7.3%		0.5%								6.3%
PB004888	6.7%		7.3%	20.0%	6.1%	0.0%	6.6%	0.0%	6.7%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%			4.9%
PB004889	29.1%		15.1%		8.4%		2.4%		7.0%	0.0%	1.9%								6.5%
PB004890											14.3%								14.3%
PB004891		0.0%	15.4%	0.0%	4.3%	16.7%	5.6%	66.7%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%			5.0%
PB004892	37.5%		13.3%		11.7%		12.7%		12.6%		5.3%	0.0%				0.0%			11.0%
PB004893	31.7%		17.9%	0.0%	9.3%		7.6%		13.4%		5.3%								10.1%
PB004894	10.7%	0.0%	17.1%	20.0%	8.8%	0.0%	5.7%	14.3%	8.1%	10.5%	5.8%	4.8%							7.7%
PB004895	27.6%	0.0%	18.1%	0.0%	11.5%	12.5%	7.0%	11.1%	6.0%	14.3%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			8.2%
PB004896	35.0%		14.0%	100.0%	8.1%		5.1%	0.0%	8.1%	0.0%	4.0%								9.0%
PB004897	36.0%	33.3%	38.2%		18.3%		17.7%	0.0%	5.9%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%			15.6%
PB004898	25.5%		15.0%	33.3%	10.2%	0.0%	8.9%	16.7%	6.8%	0.0%	4.4%	0.0%			0.0%				8.9%
PB004899	45.5%	0.0%	13.8%	0.0%	8.7%	16.7%	7.0%	0.0%	15.3%	0.0%	4.6%	0.0%	0.0%	0.0%					9.7%
PB004900	14.8%		6.7%		6.5%		4.0%		5.7%		2.9%			0.0%					4.8%
PB004901	13.8%		11.0%	16.7%	8.0%	0.0%	5.5%	4.8%	7.1%	0.0%	0.9%	0.0%	2.3%	0.7%	0.0%	4.3%	0.0%		4.8%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004902	14.3%	0.0%	0.0%		9.1%		5.9%	0.0%	3.8%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.0%
PB004903			0.0%		0.0%		18.2%		10.5%		7.5%	0.0%		0.0%					9.1%
PB004904	38.9%		23.0%	33.3%	14.6%	25.0%	6.5%		14.0%		6.0%	0.0%	0.0%	0.0%		0.0%			13.7%
PB004905	35.5%	18.2%	21.6%	6.7%	14.7%	7.1%	10.9%	14.3%	15.7%	0.0%	7.4%	0.0%	0.0%	0.0%	0.0%	0.0%			14.3%
PB004906	24.3%		6.1%		7.0%	0.0%	3.6%	0.0%	5.4%		4.1%	0.0%	0.0%	0.0%					5.3%
PB004907	22.6%	0.0%	16.7%	0.0%	8.1%	0.0%	11.3%	0.0%	11.7%	25.0%	4.6%	0.0%	0.0%			0.0%			9.8%
PB004908	22.2%	0.0%	20.0%		8.2%	0.0%	3.8%	0.0%	12.5%	0.0%	3.9%	0.0%			0.0%				7.9%
PB004909	27.0%		18.7%		10.4%	100.0%	8.9%		12.8%	0.0%	3.3%								11.3%
PB004910	33.3%		0.0%		4.2%		0.0%		9.0%		0.0%	0.0%		0.0%					3.4%
PB004911	23.5%		18.7%	0.0%	15.3%	0.0%	7.4%		10.0%	0.0%	5.3%	0.0%		0.0%					10.7%
PB004912	23.9%	33.3%	16.0%	0.0%	13.6%	0.0%	4.0%	33.3%	10.3%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%			9.1%
PB004913	11.1%	50.0%	13.3%	0.0%	11.9%	12.5%	4.9%	0.0%	10.0%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%				8.1%
PB004914	42.4%	40.0%	19.6%	15.8%	20.5%	15.8%	12.7%	13.6%	19.7%	24.0%	7.8%	0.0%	0.0%	0.0%	0.0%		0.0%		15.6%
PB004915	25.0%	0.0%	26.1%		11.6%	0.0%	4.4%	0.0%	14.0%		4.2%	10.0%		0.0%	0.0%	0.0%			9.1%
PB004916	30.0%		23.1%		23.1%	0.0%	15.0%	0.0%	9.5%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		11.2%
PB004917	30.0%		30.6%		15.0%		13.9%		10.3%	0.0%	5.1%	0.0%	0.0%						13.4%
PB004919	30.8%		10.1%		6.3%		6.3%		10.1%		5.0%								8.1%
PB004920	66.7%		16.7%		27.8%		7.7%		0.0%		6.7%								14.9%
PB004921	28.6%		16.7%	0.0%	15.5%	0.0%	3.6%	0.0%	11.7%	0.0%	0.0%	0.0%			0.0%	0.0%	0.0%		8.3%
PB004922	18.2%		17.9%		23.1%		12.5%		18.3%		8.2%	0.0%							15.0%
PB004923	26.3%	50.0%	17.4%	50.0%	13.0%	25.0%	7.9%	25.0%	5.5%	0.0%	2.2%	0.0%	0.0%	0.0%					8.6%
PB004924			0.0%		0.0%		0.0%		0.0%		0.0%								0.0%
PB004926	66.7%		5.3%		8.3%		3.6%	0.0%	7.5%	0.0%	6.1%	0.0%					0.0%		6.6%
PB004927	0.0%	0.0%	23.5%	100.0%	2.9%	0.0%	2.9%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%
PB004929	28.6%		19.0%		14.8%		2.4%		9.3%		4.2%								7.7%
PB004930	13.6%		12.5%	50.0%	11.6%	0.0%	12.4%	0.0%	9.8%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%			9.0%
PB004932	20.0%		25.0%	0.0%	2.8%	0.0%	4.5%	0.0%	7.4%	28.6%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			4.9%
PB004933			0.0%		11.1%		14.3%		25.0%	0.0%	10.6%	0.0%	0.0%	0.0%		0.0%	0.0%	0.0%	11.5%
PB004934	50.0%	0.0%	5.3%		17.1%	0.0%	7.8%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			4.8%
PB004935	38.9%	0.0%	20.3%	0.0%	14.6%	50.0%	6.8%	0.0%	11.8%	0.0%	5.2%	0.0%	0.0%						11.7%
PB004936	11.9%		9.8%	0.0%	5.8%	0.0%	5.8%	0.0%	11.1%	0.0%	5.3%	0.0%							7.1%
PB004939	50.0%		0.0%		9.1%	0.0%	8.3%	0.0%	11.9%	0.0%	1.0%	0.0%	10.5%	0.0%	2.6%	0.0%	0.0%		4.8%
PB004941	75.0%		0.0%	0.0%	11.1%		2.1%		7.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.9%
PB004942	0.0%		18.2%	100.0%	8.9%	0.0%	1.3%	0.0%	5.3%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%
PB004943	15.4%		8.7%	50.0%	8.3%	0.0%	4.6%	0.0%	17.3%	0.0%	5.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.9%
PB004944	25.0%	0.0%	21.2%	0.0%	9.3%	0.0%	1.2%	0.0%	9.3%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%			5.8%
PB004946	23.1%	33.3%	22.0%	20.0%	9.3%	0.0%	8.0%	16.7%	12.8%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.1%
PB004947	25.0%		10.1%	50.0%	7.9%	0.0%	6.8%	100.0%	7.9%	0.0%	5.7%	0.0%	0.0%						7.7%
PB004948	0.0%		66.7%		40.0%		25.0%		0.0%		0.0%								25.9%
PB004949	21.4%		22.0%		9.6%		7.7%		9.3%		3.5%								9.0%
PB004950	13.3%		6.1%		7.4%	100.0%	5.4%	0.0%	3.4%		0.7%		0.0%						4.0%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004951	53.8%		21.2%		15.3%		14.3%	0.0%	18.9%	0.0%	7.0%								16.1%
PB004952	37.5%		25.0%		13.0%		8.7%	100.0%	9.2%	0.0%	6.5%	0.0%							12.4%
PB004957	60.0%		36.4%		50.0%		11.1%		1.8%	0.0%	3.7%		0.0%						13.5%
PB004958	16.4%		11.6%		8.7%		5.3%		7.6%		4.2%								7.2%
PB004960	12.5%		29.0%	0.0%	4.8%	25.0%	5.2%	0.0%	7.3%	0.0%	0.6%	5.6%	50.0%	0.0%					5.9%
PB004961	28.6%	50.0%	19.5%	30.0%	10.1%	0.0%	6.6%	28.0%	7.9%	3.3%	3.6%	5.7%							9.7%
PB004962	13.8%		20.5%		6.1%	0.0%	13.5%	0.0%	12.7%	0.0%	3.8%	0.0%	0.0%	0.0%					9.5%
PB004963	36.4%		22.2%	0.0%	11.4%	0.0%	5.7%	0.0%	13.6%	25.0%	8.1%	0.0%		0.0%					12.2%
PB004964	60.9%	0.0%	18.4%		12.7%	100.0%	9.5%		13.8%		8.9%								15.4%
PB004965	29.7%		21.1%	0.0%	11.7%	0.0%	10.5%	0.0%	14.7%	100.0%	3.1%	0.0%	0.0%		0.0%				13.1%
PB004966	27.8%		20.3%	0.0%	14.3%	100.0%	10.1%	0.0%	15.6%	0.0%	4.5%		0.0%						13.1%
PB004967	24.2%		14.7%		10.8%		9.5%		11.5%		7.6%								10.5%
PB004968	33.3%		20.8%		11.0%	0.0%	2.2%		8.8%	0.0%	3.6%	0.0%							9.7%
PB004969	0.0%		5.9%	0.0%	7.1%	0.0%	9.7%		9.7%	0.0%	9.1%	0.0%	0.0%		0.0%	0.0%			7.8%
PB004970	26.4%		18.5%	100.0%	9.6%		7.4%		8.6%		5.9%								10.0%
PB004971	34.0%		20.0%		11.0%		11.1%		9.1%	0.0%	5.3%								10.9%
PB004972	33.3%	33.3%	22.4%	0.0%	11.3%	9.1%	10.0%	25.0%	11.2%	0.0%	6.8%	0.0%	0.0%	0.0%		0.0%	0.0%		11.8%
PB004973	41.0%	0.0%	26.3%	0.0%	16.3%	0.0%	8.1%	0.0%	8.2%	80.0%	5.6%	0.0%	0.0%	0.0%					12.1%
PB004974	31.3%	0.0%	13.0%	14.3%	7.7%	10.0%	6.3%	16.7%	5.8%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%			6.2%
PB004975	28.6%		8.0%		10.9%		9.5%	0.0%	3.8%		2.1%	0.0%							5.7%
PB004977	23.7%	100.0%	18.7%	8.3%	15.1%	7.7%	8.2%	0.0%	12.4%	0.0%	3.8%	15.4%	0.0%	0.0%	0.0%	0.0%	0.0%		10.8%
PB004978	31.5%	0.0%	27.9%		13.7%	0.0%	5.5%		11.5%		4.3%								11.0%
PB004979	9.1%	50.0%	18.8%	40.0%	8.8%	10.0%	5.3%	9.1%	17.2%	0.0%	4.4%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%		9.7%
PB004980			0.0%		0.0%		9.5%	0.0%	16.7%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.3%
PB004981	26.7%		13.6%	0.0%	11.4%	0.0%	4.9%	0.0%	10.7%	0.0%	4.7%	0.0%							9.1%
PB004982			0.0%		5.9%		0.0%		30.3%		4.8%								8.3%
PB004983	18.2%	0.0%	12.8%	0.0%	5.0%	0.0%	5.5%	0.0%	12.6%	16.7%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.6%
PB004984	28.6%		4.8%		13.0%		13.8%		16.5%	0.0%	6.2%	0.0%		0.0%	0.0%				10.3%
PB004985	19.4%	0.0%	7.6%	0.0%	8.6%	0.0%	4.0%	14.3%	9.5%	0.0%	1.8%	0.0%	0.0%						6.3%
PB004986	58.3%	0.0%	27.6%	0.0%	9.1%	0.0%	13.8%	0.0%	10.0%	0.0%	6.0%	0.0%		0.0%	0.0%				12.5%
PB004987	20.0%		35.9%	33.3%	15.4%	0.0%	5.3%	0.0%	18.3%	0.0%	6.4%	0.0%	0.0%						14.4%
PB004988	30.8%		10.7%	50.0%	10.2%	14.3%	3.4%	0.0%	8.6%	0.0%	2.9%	7.1%	0.0%	0.0%	0.0%	0.0%			6.5%
PB004989	20.0%	0.0%	30.4%		25.0%		0.0%		0.0%		13.3%								20.0%
PB004990	20.7%		17.0%		10.7%		6.9%		8.0%		4.1%								7.6%
PB004991	26.5%	0.0%	20.3%	0.0%	10.0%	33.3%	7.6%	0.0%	12.9%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			9.5%
PB004992	30.8%		11.6%		4.9%		1.7%		6.6%		1.1%								4.5%
PB004993	4.2%	0.0%	4.3%	0.0%	3.4%	100.0%	3.6%	16.7%	3.9%	20.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.2%
PB004995	21.7%		7.8%		3.4%	0.0%	2.8%		5.5%	0.0%	0.4%								3.7%
PB004996	44.0%		30.8%	100.0%	20.3%	0.0%	13.2%	0.0%	13.2%	0.0%	6.4%	0.0%							16.0%
PB004997	22.2%		20.5%	100.0%	9.9%		8.7%		10.4%	100.0%	3.8%	0.0%							9.7%
PB004998	80.0%	0.0%	22.2%	0.0%	6.5%	0.0%	12.5%	100.0%	6.0%	20.0%	4.4%	0.0%		0.0%		0.0%			9.3%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB004999	0.0%		7.7%	0.0%	13.6%	0.0%	0.0%	0.0%	7.3%	0.0%	1.4%	0.0%	0.0%	14.3%	0.0%	0.0%			3.8%
PB005000	41.4%		26.4%	0.0%	14.5%		7.0%		17.3%		5.6%	0.0%							13.7%
PB005001	13.2%		13.8%		10.3%	100.0%	4.3%		15.6%	0.0%	5.1%	0.0%							9.5%
PB005002	10.3%		10.3%		7.1%		6.6%		6.3%	0.0%	3.5%								6.0%
PB005003	33.3%	0.0%	13.3%	0.0%	9.9%	0.0%	4.8%	16.7%	10.2%	15.4%	4.2%	10.0%							8.1%
PB005004	16.7%	0.0%	15.6%	0.0%	17.9%	0.0%	11.2%	20.0%	12.4%	0.0%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%			8.9%
PB005005	22.6%		16.4%	0.0%	13.4%	0.0%	8.5%	0.0%	9.5%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%			8.5%
PB005006	29.6%	100.0%	17.3%		13.7%	0.0%	9.7%	0.0%	9.9%		7.3%	0.0%				0.0%			11.0%
PB005007	22.2%	0.0%	15.4%	0.0%	8.5%	0.0%	7.7%	0.0%	8.5%	0.0%	6.8%	0.0%							9.4%
PB005008	43.9%		19.4%	0.0%	6.9%	0.0%	10.0%		13.2%	0.0%	7.5%								11.4%
PB005009	17.2%	0.0%	10.3%	50.0%	10.4%	100.0%	2.1%		13.6%		4.8%								9.6%
PB005010	33.3%	0.0%	22.9%	0.0%	5.5%	50.0%	6.9%	66.7%	9.5%	22.2%	4.5%	0.0%		0.0%				0.0%	9.3%
PB005011	21.0%		13.4%		10.3%	0.0%	6.8%		10.9%	0.0%	4.8%	0.0%							9.3%
PB005012	14.3%		6.3%		5.9%		8.7%		8.2%		3.0%								6.2%
PB005013	33.3%		11.8%		9.5%		9.8%		2.8%	0.0%	3.4%	0.0%					0.0%		5.5%
PB005014	45.0%		30.6%	0.0%	12.7%		15.4%		6.9%		2.7%								13.9%
PB005015	15.0%		7.5%		3.8%	0.0%	3.9%		7.6%	0.0%	2.9%	0.0%							4.7%
PB005016	35.2%	25.0%	20.2%	11.1%	12.6%	14.3%	7.7%	9.1%	12.2%	16.7%	1.6%	3.3%	0.0%		0.0%				11.6%
PB005017	24.6%	33.3%	20.2%	0.0%	10.1%	0.0%	5.0%	0.0%	8.1%	0.0%	3.6%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%		7.9%
PB005018	27.8%		19.0%		12.8%		12.4%		17.7%		6.2%								13.5%
PB005019	30.4%	0.0%	19.2%	0.0%	11.0%	0.0%	6.3%		16.5%	0.0%	5.0%	0.0%	0.0%		0.0%	0.0%			11.1%
PB005020	22.6%	0.0%	23.1%	0.0%	10.1%	12.5%	6.0%	0.0%	6.3%	0.0%	5.6%	12.5%		0.0%	0.0%	0.0%	0.0%		8.5%
PB005021	27.6%	0.0%	12.2%	14.3%	8.3%	0.0%	3.7%	0.0%	8.9%	23.1%	3.9%	0.0%		0.0%					7.8%
PB005022	15.4%		8.7%	0.0%	5.6%	0.0%	4.9%	0.0%	8.1%	0.0%	2.4%	0.0%	0.0%	0.0%					5.4%
PB005024	50.0%		20.8%		6.7%		4.2%		13.1%		4.3%								9.2%
PB005025	38.9%		24.0%	0.0%	12.5%		14.7%	0.0%	12.3%	0.0%	5.8%	0.0%							12.8%
PB005027	42.9%		14.3%		0.0%	0.0%	2.3%	0.0%	4.5%	0.0%	7.7%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%		6.1%
PB005028	29.2%	20.0%	18.5%	0.0%	13.0%	0.0%	9.0%	66.7%	13.8%	0.0%	6.5%	0.0%	0.0%	0.0%					12.8%
PB005029	22.2%		7.0%	0.0%	6.1%	25.0%	5.3%	0.0%	11.1%	20.0%	3.9%	0.0%					0.0%		7.1%
PB005030	34.9%		21.6%		14.5%		7.4%	50.0%	7.9%		5.2%			0.0%					12.2%
PB005031	18.5%		21.4%	20.0%	14.9%	0.0%	6.4%	0.0%	10.6%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	22.2%	0.0%		9.9%
PB005032	37.9%	0.0%	25.3%	20.0%	15.9%	11.1%	8.3%	15.0%	18.5%	20.0%	4.0%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%		14.0%
PB005033	25.0%	0.0%	3.4%	0.0%	3.4%	0.0%	5.2%	0.0%	1.2%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%				3.2%
PB005034	58.8%		9.6%		9.6%		2.2%		4.6%		9.1%								8.9%
PB005035	19.2%		25.5%		8.7%		5.3%		4.8%		1.8%	0.0%							6.6%
PB005036	22.6%		22.0%		7.4%	0.0%	4.5%	0.0%	11.3%	0.0%	1.6%	0.0%		0.0%					8.4%
PB005037	28.0%	16.7%	16.4%	0.0%	11.3%	0.0%	9.2%	0.0%	4.7%	8.3%	4.8%	0.0%	0.0%	0.0%	0.0%				8.3%
PB005038	40.0%		21.4%	0.0%	13.3%		4.9%		17.3%		1.6%								11.6%
PB005039	31.0%	0.0%	20.1%	0.0%	7.3%	0.0%	5.0%	0.0%	10.8%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%			8.8%
PB005040	31.0%		20.0%	0.0%	17.5%	0.0%	8.6%	0.0%	15.7%	0.0%	3.4%	0.0%							12.6%
PB005041	22.6%	40.0%	17.9%	0.0%	17.3%	0.0%	5.3%	0.0%	14.4%	0.0%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%			10.7%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005043	17.9%		22.2%	0.0%	17.8%		12.3%	0.0%	15.0%		3.4%	0.0%							14.0%
PB005044	16.7%		13.0%	0.0%	8.1%	0.0%	3.8%	0.0%	12.0%	0.0%	1.0%	0.0%				0.0%			6.1%
PB005045	33.3%	16.7%	18.9%	0.0%	13.7%	14.3%	5.8%	0.0%	11.8%	11.1%	4.3%	0.0%	0.0%	5.6%	0.0%	0.0%			10.5%
PB005047	15.4%		6.1%		11.5%		2.9%	33.3%	9.6%	0.0%	5.7%	0.0%				0.0%			7.4%
PB005048	50.0%		33.3%		18.2%		25.0%		25.0%		41.7%	0.0%							29.2%
PB005049	20.7%	0.0%	24.1%	10.0%	9.6%	25.0%	7.1%	0.0%	10.1%	0.0%	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%			9.2%
PB005050	22.2%		7.8%		10.7%		7.2%		8.4%	0.0%	4.5%								7.7%
PB005051	33.3%		11.8%		16.7%		6.7%		18.5%		2.2%	0.0%		0.0%					9.2%
PB005052	41.7%	50.0%	12.8%	50.0%	5.9%	0.0%	5.0%	0.0%	7.0%	0.0%	0.7%	0.0%	14.3%	0.0%	0.0%	0.0%			6.7%
PB005053	37.3%		26.8%		17.4%	0.0%	7.8%	0.0%	15.5%		5.1%								15.8%
PB005054	23.5%	0.0%	11.3%	0.0%	7.7%	0.0%	6.6%	0.0%	8.9%	0.0%	2.6%	0.0%	0.0%	0.0%	50.0%	0.0%			7.2%
PB005055	16.7%		16.4%	0.0%	8.7%	0.0%	10.6%	0.0%	13.2%	0.0%	8.0%	0.0%	0.0%	0.0%	0.0%	0.0%			10.4%
PB005056	25.8%	16.7%	22.2%	0.0%	13.4%	21.4%	8.0%	0.0%	18.2%	6.3%	4.6%	0.0%	0.0%	0.0%	0.0%	0.0%			12.3%
PB005057	33.3%	0.0%	0.0%	100.0%	8.8%	0.0%	10.5%	0.0%	2.2%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%			6.0%
PB005058	0.0%		15.0%		8.0%	0.0%	2.6%		7.1%	0.0%	2.7%					0.0%			5.2%
PB005060	33.3%	66.7%	16.7%	0.0%	6.7%	0.0%	5.5%		17.6%	0.0%	2.7%	0.0%	0.0%		0.0%	0.0%			9.5%
PB005061	60.0%	0.0%	50.0%		31.6%	0.0%	0.0%	100.0%	0.0%		4.5%	0.0%							27.5%
PB005062	27.8%		19.7%		8.6%		8.1%		9.5%		1.8%	0.0%							7.7%
PB005063	28.6%		27.5%		25.0%	0.0%	8.1%	0.0%	14.8%	100.0%	9.3%	0.0%	0.0%	0.0%	0.0%	0.0%			15.2%
PB005064	18.5%		18.2%	0.0%	6.5%	0.0%	6.6%	0.0%	8.9%	0.0%	2.7%	16.7%	0.0%	12.5%	0.0%	0.0%			7.0%
PB005065	13.0%	100.0%	10.3%	0.0%	7.2%	37.5%	7.0%	16.7%	6.5%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%
PB005066	33.3%		14.3%		9.8%		7.7%		13.1%		4.1%	0.0%		0.0%	0.0%				7.9%
PB005067			0.0%		20.0%		12.5%	0.0%	0.0%	0.0%	5.0%	0.0%							5.6%
PB005068	4.3%	0.0%	4.8%	0.0%	4.3%	0.0%	1.6%	0.0%	3.1%	0.0%	2.2%				0.0%				2.9%
PB005069	19.5%	0.0%	12.7%		16.5%	16.7%	10.6%	0.0%	12.4%	0.0%	4.3%	0.0%							11.5%
PB005070	37.5%		26.4%		16.7%	0.0%	7.8%		14.0%		3.0%								13.8%
PB005071	12.2%	0.0%	13.6%	0.0%	6.3%	0.0%	8.5%	0.0%	10.5%	0.0%	1.7%								7.9%
PB005072	21.4%		18.4%		16.0%	0.0%	13.4%	0.0%	18.1%		7.4%	0.0%							14.1%
PB005073	31.4%		19.5%	0.0%	12.6%	0.0%	6.3%	0.0%	10.7%	0.0%	3.8%	0.0%	0.0%						11.0%
PB005074	41.6%		21.3%		14.3%	0.0%	8.3%	0.0%	7.0%		6.3%								13.1%
PB005075	37.7%		24.5%		13.2%	0.0%	12.2%		9.6%		4.6%								13.1%
PB005076	9.1%	33.3%	11.2%	0.0%	9.5%	0.0%	7.0%	12.5%	10.2%	13.3%	3.7%	0.0%	0.0%	14.3%	0.0%	0.0%			7.9%
PB005077	16.7%	0.0%	17.4%	0.0%	8.2%	0.0%	6.3%	11.1%	9.4%	0.0%	2.6%	4.2%	0.0%	0.0%	0.0%	0.0%			6.7%
PB005078	35.0%	100.0%	20.3%	20.0%	19.6%	0.0%	8.2%	0.0%	13.8%	14.3%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%			12.2%
PB005079	43.2%		33.3%		19.5%		13.1%		18.1%	0.0%	6.7%	0.0%			0.0%				15.6%
PB005080	22.2%		17.1%	0.0%	8.1%	25.0%	9.7%	0.0%	7.3%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%			8.0%
PB005081	16.1%		10.4%	0.0%	8.9%	0.0%	5.1%	0.0%	8.8%		2.0%	0.0%	0.0%	0.0%	0.0%	0.0%			6.7%
PB005082	7.4%		21.2%		14.4%		3.4%		8.3%		3.5%								8.6%
PB005083	16.9%	100.0%	13.9%	0.0%	7.5%	0.0%	5.4%	0.0%	9.3%	0.0%	3.2%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%		6.6%
PB005085	29.1%	0.0%	14.0%		12.2%	0.0%	11.4%	0.0%	16.1%	0.0%	6.2%	0.0%							12.2%
PB005086	41.7%		25.0%	100.0%	17.4%	0.0%	8.8%		7.5%	0.0%	3.4%	0.0%							10.0%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005088	28.6%		22.4%	0.0%	10.3%	0.0%	6.1%		8.1%	0.0%	3.2%	0.0%							8.4%
PB005089	41.0%	100.0%	29.3%	0.0%	12.9%		9.8%	0.0%	9.6%	0.0%	3.8%	0.0%							13.4%
PB005090	17.6%		9.9%		3.4%		1.4%		6.5%		2.4%								4.2%
PB005091	16.7%		0.0%		10.8%	0.0%	3.4%	0.0%	2.9%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%
PB005092	32.7%		18.4%	0.0%	12.7%	0.0%	2.2%	0.0%	10.3%	0.0%	5.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.0%
PB005094	0.0%		20.0%		0.0%		10.5%		17.1%		4.6%								8.6%
PB005095	20.0%		14.0%		10.8%	0.0%	4.3%	100.0%	14.3%	0.0%	5.0%	0.0%	0.0%		0.0%				8.8%
PB005096	16.7%	0.0%	7.7%		20.0%		12.5%		10.2%	0.0%	13.0%	20.0%							13.3%
PB005097	0.0%		62.5%		8.3%		7.7%		0.0%		0.0%								9.2%
PB005098	27.5%		17.2%		11.5%	0.0%	8.5%		10.0%	0.0%	5.2%	0.0%			0.0%				10.1%
PB005099	16.0%	0.0%	14.0%	0.0%	6.6%	0.0%	3.4%	0.0%	6.1%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%			5.3%
PB005100	0.0%		32.0%		9.5%	0.0%	7.2%		9.4%		7.0%								9.6%
PB005102	39.7%	0.0%	29.5%	0.0%	21.1%	0.0%	11.8%	0.0%	16.1%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.4%
PB005103	27.1%		17.2%		10.2%		8.7%	0.0%	10.3%		1.8%	0.0%	0.0%						10.6%
PB005104	10.3%		12.8%		9.9%		7.1%	100.0%	8.8%		3.1%	0.0%	0.0%						7.4%
PB005105	26.9%	0.0%	12.0%		12.2%		5.5%		11.4%		3.7%	0.0%							8.6%
PB005106	16.7%		10.3%		7.9%	0.0%	3.3%	0.0%	8.7%	0.0%	3.1%	50.0%							6.1%
PB005107	26.5%		17.2%	0.0%	12.9%		4.4%	0.0%	11.1%	100.0%	3.8%	0.0%	0.0%						9.3%
PB005108	20.0%	0.0%	14.5%	0.0%	10.6%	0.0%	10.1%	0.0%	12.6%	40.0%	6.6%	0.0%	0.0%	0.0%	0.0%	0.0%			10.5%
PB005109	27.3%		11.7%		9.0%	0.0%	6.6%		9.2%	0.0%	5.2%	0.0%							8.2%
PB005110	26.9%	0.0%	17.5%	0.0%	9.8%	0.0%	8.7%		12.8%	0.0%	4.9%	0.0%	0.0%		#####	0.0%			10.4%
PB005111	57.1%	0.0%	16.7%	100.0%	15.8%	50.0%	12.5%	60.0%	10.8%	0.0%	3.3%	0.0%							10.0%
PB005113	4.4%		6.0%	0.0%	7.4%	0.0%	4.5%	0.0%	6.3%	0.0%	1.0%	0.0%							4.6%
PB005114	6.7%		10.8%	0.0%	11.8%	0.0%	5.5%	0.0%	8.6%	0.0%	1.5%	0.0%	0.0%	0.0%	50.0%	0.0%			6.0%
PB005116	33.3%	0.0%	20.2%	0.0%	6.2%	0.0%	3.9%	0.0%	13.1%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%				9.3%
PB005117	0.0%		45.5%		6.1%	40.0%	2.7%	0.0%	5.2%	11.1%	3.5%	8.3%	15.4%	0.0%	0.0%	0.0%			6.1%
PB005118	28.6%		7.5%		7.0%		3.9%		16.1%		4.0%	0.0%							8.2%
PB005119	12.5%	14.3%	11.2%	0.0%	6.0%	0.0%	5.2%	22.2%	7.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%
PB005121	16.7%	0.0%	0.0%	0.0%	9.4%		7.7%	0.0%	4.9%	6.3%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%
PB005122	17.5%	0.0%	18.1%	0.0%	6.7%	0.0%	4.9%	0.0%	4.5%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%		0.0%		6.2%
PB005123	42.1%		15.2%	22.2%	24.0%	0.0%	12.0%	66.7%	15.9%	40.0%	5.6%	0.0%	0.0%		0.0%				16.3%
PB005124	29.4%	0.0%	12.3%	0.0%	10.6%	0.0%	3.6%	33.3%	8.9%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.9%
PB005126			20.0%		0.0%	0.0%	10.2%		1.2%	0.0%	0.0%	0.0%			0.0%				3.1%
PB005128	37.8%	0.0%	23.1%	33.3%	9.8%	100.0%	9.6%		11.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.8%
PB005129	35.3%		22.2%	0.0%	6.4%	0.0%	9.0%	0.0%	8.2%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.4%
PB005130	20.0%	0.0%	10.7%	100.0%	7.3%	0.0%	6.2%	0.0%	13.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%			7.5%
PB005131	22.2%		25.5%		15.2%		8.6%		14.5%		6.6%								11.7%
PB005132	21.4%		30.8%	0.0%	15.5%	0.0%	13.5%	0.0%	11.4%	0.0%	7.5%	25.0%	0.0%	0.0%		0.0%			12.6%
PB005133	50.0%		19.0%		9.3%		38.5%		8.3%	0.0%	12.1%	0.0%	0.0%	0.0%	0.0%				18.1%
PB005134	28.6%		22.8%		10.3%	0.0%	10.8%		16.7%		4.6%	0.0%							10.7%
PB005135	0.0%		0.0%	0.0%	18.8%		0.0%		3.6%	0.0%	5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%		3.6%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005136	22.6%	0.0%	15.5%	0.0%	8.7%		7.7%	50.0%	12.7%	0.0%	4.6%	20.0%							9.4%
PB005138	0.0%		20.0%		10.7%		15.2%		12.5%	0.0%	7.6%	33.3%							11.1%
PB005139	0.0%		0.0%		3.2%		0.0%		2.1%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		1.2%
PB005140	27.3%	0.0%	17.5%	0.0%	9.7%	0.0%	11.5%	0.0%	13.3%	0.0%	6.2%	0.0%			0.0%				10.7%
PB005141	25.0%		26.1%		7.4%		5.1%	0.0%	4.3%	100.0%	2.8%	0.0%				0.0%			6.9%
PB005142	34.9%	25.0%	17.8%	14.3%	14.2%	20.0%	7.4%	45.5%	11.1%	14.3%	5.0%	8.3%							11.2%
PB005143	66.7%		21.4%		19.5%	0.0%	13.5%	0.0%	22.5%	0.0%	11.6%	0.0%							18.2%
PB005144	28.6%		21.4%	0.0%	4.3%	0.0%	5.9%		7.0%	50.0%	1.1%	0.0%							5.9%
PB005145	21.4%	33.3%	25.6%	0.0%	17.6%	0.0%	6.8%	0.0%	12.5%	10.5%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		10.3%
PB005146	29.4%	0.0%	24.6%		11.9%	0.0%	3.0%	0.0%	12.8%	0.0%	10.2%	0.0%	0.0%	0.0%					14.0%
PB005147	36.0%		25.6%		11.5%	25.0%	11.3%		18.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%			12.4%
PB005148	16.7%		22.2%		4.0%		8.9%		9.1%		2.1%								6.4%
PB005149	33.3%		16.7%		10.4%		9.7%	50.0%	9.5%	0.0%	6.8%	0.0%	0.0%						10.5%
PB005150	36.6%		18.5%		8.8%		6.7%	50.0%	8.7%		2.7%		0.0%						9.1%
PB005151	21.9%		21.1%		12.7%	0.0%	10.2%		14.3%	0.0%	5.3%								11.8%
PB005153	25.0%	100.0%	23.8%	0.0%	26.4%	0.0%	7.3%		9.1%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%			10.1%
PB005154	22.4%	0.0%	8.7%	27.3%	8.6%	0.0%	8.2%	31.3%	11.5%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%			8.4%
PB005155	50.0%		16.7%	0.0%	8.3%		0.0%		9.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.5%
PB005156	28.1%		20.7%		11.7%	0.0%	8.3%		17.3%	0.0%	5.6%								11.1%
PB005157	25.0%		23.1%		5.0%	0.0%	2.9%	100.0%	6.0%	0.0%	5.8%	0.0%		0.0%					6.8%
PB005158	27.8%		8.8%		3.9%		3.2%		10.0%		1.9%								5.4%
PB005159	22.9%	50.0%	15.9%	0.0%	8.6%	0.0%	8.6%	50.0%	11.7%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%			9.7%
PB005160	42.3%		26.4%		12.9%	0.0%	7.5%	100.0%	11.8%		3.3%								12.7%
PB005161	10.8%		13.3%	0.0%	11.0%		6.2%		14.9%		3.3%								9.4%
PB005162	7.0%		8.8%		7.7%		6.5%		7.1%		5.7%								7.2%
PB005164	31.9%		22.3%	0.0%	11.4%	0.0%	9.4%	25.0%	14.6%	25.0%	7.7%	0.0%							13.7%
PB005166	15.0%	100.0%	18.6%		14.4%	0.0%	9.7%	0.0%	12.2%		3.6%	0.0%	0.0%						10.0%
PB005167	0.0%	0.0%	9.1%	0.0%	9.3%	0.0%	12.8%	33.3%	11.0%	14.3%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%			6.6%
PB005168	44.4%	0.0%	21.2%	12.5%	17.5%	10.0%	19.3%	11.1%	19.4%	25.0%	8.7%	0.0%	50.0%	0.0%					17.4%
PB005169	16.1%		10.9%	0.0%	7.6%	20.0%	4.7%	0.0%	7.4%	0.0%	4.0%	16.7%			0.0%				6.6%
PB005170	0.0%		15.8%		10.0%		6.5%		15.4%	0.0%	6.1%		0.0%	0.0%	0.0%				8.6%
PB005171	0.0%		0.0%		0.0%		3.8%		6.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		1.6%
PB005172	23.8%	100.0%	13.9%	0.0%	18.8%	0.0%	7.5%	33.3%	11.9%	25.0%	5.2%	0.0%	0.0%	0.0%	0.0%	0.0%			11.0%
PB005173	0.0%		7.1%		11.4%		6.3%		9.8%		4.0%								6.7%
PB005174	38.6%	0.0%	25.0%	0.0%	14.7%	0.0%	11.4%	0.0%	13.8%		7.4%			0.0%					14.9%
PB005175							0.0%		0.0%		70.0%								58.3%
PB005176	16.4%	33.3%	9.2%	23.1%	12.4%	0.0%	9.4%	14.3%	11.3%	11.8%	5.9%	0.0%							9.6%
PB005177					0.0%		0.0%												0.0%
PB005178	39.7%		22.4%	0.0%	13.4%	0.0%	6.5%	0.0%	12.6%	25.0%	6.3%	0.0%							13.6%
PB005179	100.0%		33.3%	0.0%	6.7%	0.0%	9.1%		15.4%	100.0%	4.5%								14.5%
PB005180			0.0%		30.0%		0.0%		9.1%		5.2%								7.8%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005181	33.3%		18.8%	0.0%	6.7%	0.0%	3.8%	0.0%	10.8%	0.0%	6.2%	0.0%				0.0%	0.0%		7.9%
PB005182	28.1%	0.0%	21.7%	0.0%	7.8%	16.7%	8.5%	50.0%	9.0%	33.3%	4.0%	0.0%	0.0%			0.0%			10.4%
PB005183	10.6%		9.4%		3.3%	0.0%	2.5%		2.3%	0.0%	0.7%	0.0%							3.0%
PB005184	31.6%		17.4%		16.8%		6.1%		14.9%		5.6%								12.0%
PB005185	27.6%		18.8%	100.0%	12.4%	0.0%	7.1%	0.0%	6.8%	33.3%	3.9%	0.0%							9.3%
PB005186	25.0%		13.7%		9.0%		5.3%	0.0%	10.4%	0.0%	2.5%	0.0%							7.3%
PB005187	26.9%	0.0%	23.8%	33.3%	19.3%	25.0%	6.9%	20.0%	12.0%	0.0%	8.1%	0.0%	0.0%	0.0%		0.0%			12.5%
PB005189	22.2%		10.0%		5.4%		2.5%		5.8%		3.1%	0.0%							4.4%
PB005190	20.0%		25.0%	0.0%	17.8%		3.5%	0.0%	5.4%	0.0%	2.5%	0.0%			0.0%				6.1%
PB005191	50.0%		16.7%		22.2%		12.0%	0.0%	7.7%		3.3%	0.0%		0.0%					7.7%
PB005192	0.0%		0.0%		14.3%	0.0%	6.9%		19.5%	0.0%	6.4%	0.0%							9.4%
PB005193	28.0%	0.0%	13.1%		13.6%		8.9%		11.0%	0.0%	4.2%								9.9%
PB005194	40.0%		11.1%	0.0%	7.9%	0.0%	8.3%		16.7%	0.0%	9.6%	0.0%			0.0%				11.3%
PB005195	24.1%	0.0%	16.7%	0.0%	9.7%	0.0%	5.0%	0.0%	7.1%	20.0%	2.3%	0.0%	0.0%	0.0%					6.8%
PB005196	26.7%		13.4%	0.0%	12.6%	25.0%	4.6%	0.0%	10.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%			8.5%
PB005197	35.0%		12.2%		13.5%		5.5%		8.7%		5.3%								8.8%
PB005198	37.3%	50.0%	27.1%	12.5%	17.0%	12.5%	14.2%	22.2%	13.9%	0.0%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%			15.6%
PB005200	4.3%	28.6%	10.0%	5.3%	9.8%	12.5%	8.3%	8.3%	7.5%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			7.3%
PB005201	22.5%		12.3%	0.0%	7.3%	33.3%	3.9%	100.0%	7.4%	0.0%	2.3%	0.0%							5.8%
PB005202	23.3%		21.1%		11.5%	0.0%	7.2%		14.5%	0.0%	6.3%								10.6%
PB005203	42.9%	0.0%	26.7%		9.7%	0.0%	8.4%	0.0%	9.6%	100.0%	13.9%	0.0%							12.9%
PB005204	34.3%	0.0%	20.3%	42.9%	9.3%	0.0%	9.0%	20.0%	12.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%			9.8%
PB005205	40.7%		16.1%	0.0%	13.7%		8.7%	50.0%	19.7%	0.0%	6.3%	16.7%							12.9%
PB005206	0.0%		11.1%	33.3%	6.3%	0.0%	3.6%	0.0%	7.2%		2.7%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.2%
PB005207	15.8%		20.0%	0.0%	7.3%		7.6%	0.0%	6.0%	20.0%	4.0%	0.0%	0.0%	0.0%					6.4%
PB005208	28.1%	20.0%	12.6%	8.3%	14.1%	9.1%	8.6%	25.0%	8.7%	0.0%	3.0%	7.1%	0.0%	0.0%	0.0%	0.0%			9.9%
PB005210	19.4%		14.7%		12.5%		9.1%		7.3%		1.5%								8.1%
PB005211	0.0%		0.0%		0.0%	0.0%	4.8%		25.0%	0.0%	1.5%		0.0%	0.0%					6.3%
PB005212	44.0%		28.2%	0.0%	9.5%	0.0%	6.5%	0.0%	9.9%	0.0%	8.5%	20.0%	0.0%		0.0%				13.2%
PB005213	19.6%		23.0%		11.2%	0.0%	8.5%	0.0%	10.8%	0.0%	4.8%		0.0%						10.4%
PB005215	24.1%		18.8%	0.0%	14.1%		6.6%		11.2%		4.1%								10.2%
PB005216	21.6%		20.6%	0.0%	9.4%	0.0%	6.6%		9.1%		2.9%	0.0%							7.8%
PB005217	18.5%		9.9%	0.0%	8.7%		6.0%		6.4%		3.9%	0.0%			0.0%				6.5%
PB005218	32.1%	50.0%	11.8%	5.6%	8.0%	7.7%	5.7%	15.4%	8.3%	9.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.8%
PB005219	16.7%		11.4%		5.7%		4.6%		7.1%	0.0%	3.0%								5.5%
PB005220	39.6%		21.9%	0.0%	15.3%	100.0%	7.9%		15.8%	0.0%	6.2%								13.5%
PB005221	23.5%		31.3%	0.0%	12.5%		5.6%		15.3%	0.0%	1.3%	0.0%			0.0%				11.0%
PB005222	31.6%		23.3%		14.8%		9.2%		8.0%		5.0%								12.3%
PB005223	22.2%		29.4%		14.8%		0.0%		7.0%	0.0%	2.7%	0.0%							7.9%
PB005224	28.1%	0.0%	27.3%	0.0%	7.3%	0.0%	0.0%		4.2%		3.8%	0.0%	0.0%		0.0%	0.0%	0.0%		10.8%
PB005225	27.9%		22.8%		11.5%		11.0%		14.0%	0.0%	7.3%	0.0%							13.0%

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MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005226	18.3%	0.0%	18.8%	0.0%	9.7%	0.0%	6.6%		8.8%		3.8%	0.0%		0.0%					8.5%
PB005227	22.7%	0.0%	14.4%	0.0%	9.1%	16.7%	5.7%	0.0%	14.6%	0.0%	9.6%								11.1%
PB005228	27.4%	0.0%	25.5%	0.0%	10.9%	14.3%	6.9%	0.0%	10.1%	20.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		10.5%
PB005229	14.8%	0.0%	19.6%	0.0%	9.1%	0.0%	2.8%		2.7%	20.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%			5.3%
PB005230	21.4%		6.1%		4.8%	0.0%	4.5%		12.0%	0.0%	3.7%	0.0%							6.4%
PB005231	0.0%		20.0%		9.1%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			2.3%
PB005232	21.1%	0.0%	8.9%		9.8%	50.0%	9.1%	0.0%	7.9%	50.0%	2.2%	25.0%	0.0%	0.0%	0.0%	0.0%			7.0%
PB005233	26.8%		14.3%		10.1%		6.3%		6.9%		3.4%								7.3%
PB005234	46.3%		18.0%		10.4%		7.8%		12.1%	0.0%	5.7%								11.8%
PB005235	31.1%	25.0%	27.1%	16.7%	13.3%	7.7%	11.9%	6.3%	12.4%	0.0%	5.9%	0.0%	0.0%	6.7%	0.0%	0.0%			12.1%
PB005236	15.5%	0.0%	14.4%	4.5%	12.7%	4.3%	10.0%	20.0%	9.7%	20.0%	3.0%	0.0%	0.0%	0.0%	0.0%				10.6%
PB005237	17.9%	50.0%	20.4%	0.0%	9.5%	0.0%	8.1%	0.0%	11.2%	20.0%	5.7%	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%		9.8%
PB005238	17.0%	100.0%	20.5%	0.0%	11.1%	66.7%	7.6%	0.0%	12.1%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%		0.0%		9.7%
PB005239	17.1%	0.0%	17.5%	12.5%	15.5%	11.1%	7.4%	60.0%	11.2%	8.3%	3.1%	0.0%	0.0%	0.0%	0.0%				11.0%
PB005240	50.0%		20.3%	0.0%	18.5%		9.6%		20.5%		10.7%	0.0%							16.2%
PB005241	9.1%		10.6%		9.5%		7.6%	0.0%	4.6%		7.1%								7.7%
PB005242	27.4%	28.6%	19.5%	9.1%	12.2%	8.3%	6.3%	6.3%	15.5%	13.3%	5.8%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%		10.6%
PB005243	0.0%		0.0%		7.7%	0.0%	3.3%	0.0%	1.8%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.6%
PB005244	0.0%		15.2%	0.0%	18.8%	0.0%	6.3%	0.0%	4.6%	0.0%	4.9%	0.0%	0.0%	0.0%	0.0%	0.0%			8.3%
PB005245	26.1%	0.0%	8.1%	25.0%	7.1%	0.0%	7.2%	0.0%	9.1%	0.0%	6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.9%
PB005247	11.1%	100.0%	15.7%	14.3%	7.5%	0.0%	5.6%	25.0%	12.5%	40.0%	4.4%	6.3%		0.0%		0.0%			8.4%
PB005248	21.4%	0.0%	15.3%		10.6%	0.0%	5.5%	0.0%	7.4%	0.0%	5.0%	0.0%		0.0%		0.0%			7.2%
PB005249	35.0%		18.5%	0.0%	8.8%	0.0%	6.3%	9.1%	9.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%			7.1%
PB005250	40.9%		18.3%		11.2%	0.0%	8.8%	0.0%	10.1%	0.0%	8.4%	10.0%							11.3%
PB005251	36.4%	100.0%	20.0%	50.0%	15.3%	0.0%	13.9%	0.0%	18.8%	0.0%	7.2%	0.0%	0.0%	0.0%	0.0%	0.0%			15.5%
PB005252	9.7%		12.3%	0.0%	8.8%		3.4%	0.0%	8.6%	0.0%	4.5%		0.0%		0.0%				6.9%
PB005253	66.7%		25.7%	50.0%	19.4%	16.7%	12.0%	33.3%	16.2%	0.0%	10.6%	0.0%			0.0%				17.0%
PB005254	0.0%		0.0%		5.0%	0.0%	4.2%		9.1%	33.3%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.8%
PB005255	33.3%		13.3%		29.6%		4.9%		11.1%		7.7%	0.0%							11.4%
PB005256	0.0%		11.1%	0.0%	3.1%	0.0%	4.0%	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.1%
PB005257	0.0%		11.1%		6.9%	0.0%	2.4%	25.0%	11.8%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%		4.3%
PB005258	33.3%	0.0%	6.7%	100.0%	14.3%	0.0%	4.5%		7.7%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.8%
PB005259	0.0%		16.7%		18.2%	0.0%	8.3%		7.9%	0.0%	2.1%	20.0%	0.0%	3.3%	0.0%	0.0%	0.0%		5.4%
PB005260	80.0%		8.7%	0.0%	10.9%	0.0%	7.6%	0.0%	4.8%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%			6.9%
PB005261	35.0%	100.0%	38.0%	28.6%	31.7%	50.0%	11.1%	25.0%	6.8%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%			17.5%
PB005262	41.7%	100.0%	22.5%	22.2%	16.1%	21.4%	8.7%	0.0%	11.7%	9.5%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%			12.0%
PB005263	50.0%		20.0%		12.5%		3.4%	0.0%	8.5%	0.0%	1.2%	0.0%			0.0%				6.3%
PB005265	24.6%	33.3%	19.4%	0.0%	8.2%	0.0%	4.4%	0.0%	7.0%	50.0%	2.0%	0.0%	0.0%	0.0%	0.0%				7.3%
PB005266	31.8%	16.7%	20.4%	5.6%	16.1%	16.7%	11.8%	9.1%	16.2%	33.3%	10.4%	0.0%	0.0%						15.9%
PB005267	11.8%	20.0%	9.1%	0.0%	9.4%	0.0%	4.5%	37.5%	5.2%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.7%
PB005268	26.5%	0.0%	10.3%	0.0%	15.4%		5.5%	0.0%	9.8%	0.0%	8.1%			0.0%					11.0%

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MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005270	0.0%		50.0%		16.7%		0.0%		5.6%		0.0%	0.0%					0.0%		4.4%
PB005271	40.9%	0.0%	20.3%	0.0%	14.1%	33.3%	7.7%	25.0%	11.5%	14.3%	3.3%	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%		10.5%
PB005272	8.8%	0.0%	17.6%	25.0%	7.7%	50.0%	6.6%	0.0%	8.9%	0.0%	2.8%	0.0%		0.0%					6.9%
PB005273	0.0%		0.0%		20.0%		0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%			1.5%
PB005274	50.0%		18.8%		4.4%		6.7%		10.6%	0.0%	3.6%	50.0%							7.6%
PB005275	16.7%	0.0%	0.0%	0.0%	13.5%	33.3%	0.0%	33.3%	5.0%	0.0%	1.3%	0.0%	7.1%	0.0%	12.5%	0.0%			3.7%
PB005276	0.0%		42.9%	0.0%	5.9%		0.0%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%					5.0%
PB005277	32.4%		19.9%		8.6%		4.5%	0.0%	7.9%	0.0%	3.1%	0.0%							8.6%
PB005278	15.4%		14.8%	0.0%	9.1%	0.0%	7.5%	20.0%	9.4%	14.3%	4.0%	0.0%							7.8%
PB005279	45.5%		3.4%	33.3%	9.8%	25.0%	11.9%	0.0%	10.9%	0.0%	6.2%	0.0%		0.0%					9.4%
PB005280	22.2%	0.0%	23.1%		12.9%		8.1%		9.5%	0.0%	3.4%								9.6%
PB005281	0.0%		15.4%		11.1%		3.6%		15.9%		9.0%	0.0%							10.3%
PB005282	21.1%	0.0%	18.6%		7.2%		6.9%	0.0%	8.5%	0.0%	3.0%								8.1%
PB005283			0.0%		11.1%		0.0%		21.4%	0.0%	18.8%	0.0%	0.0%	0.0%	0.0%				10.3%
PB005284	43.8%		26.1%		17.3%	0.0%	17.6%	50.0%	21.6%		4.9%	0.0%							19.0%
PB005286	37.5%		27.8%	0.0%	10.9%		3.9%		13.4%		4.0%				0.0%				9.8%
PB005287	37.5%	50.0%	21.7%	50.0%	13.1%	0.0%	11.1%		15.1%	0.0%	6.0%	0.0%							13.9%
PB005288	66.7%		11.1%		18.2%		12.5%		18.8%		0.0%								12.4%
PB005289	33.3%		9.1%	0.0%	0.0%	0.0%	0.0%		6.7%	0.0%	1.4%	0.0%	0.0%		0.0%	0.0%			3.6%
PB005290	35.7%		31.6%		7.0%		4.8%		7.5%	0.0%	3.9%								7.3%
PB005291	36.8%	100.0%	8.5%		6.7%	0.0%	4.0%	0.0%	12.3%		2.2%	0.0%							8.4%
PB005292	24.6%	50.0%	15.2%	50.0%	7.6%	0.0%	5.3%	0.0%	7.2%	0.0%	5.0%	0.0%							8.4%
PB005294	30.0%		11.8%		11.1%		7.7%	0.0%	8.2%		5.3%								9.6%
PB005295	27.8%	0.0%	8.8%		16.0%	0.0%	6.8%	33.3%	11.4%	0.0%	1.9%		0.0%	0.0%					10.4%
PB005296	28.6%		20.0%		16.1%	0.0%	5.8%	0.0%	8.8%		6.2%								10.4%
PB005297	10.0%		29.4%		5.1%		5.6%		16.9%	0.0%	7.0%				0.0%				9.6%
PB005298	0.0%		16.7%	0.0%	10.7%		3.8%	0.0%	13.8%	0.0%	5.6%	0.0%	50.0%	0.0%	0.0%	0.0%			8.6%
PB005299	38.5%	0.0%	2.7%	100.0%	14.5%		8.7%		16.0%	0.0%	4.3%								11.1%
PB005300	34.1%		17.6%		9.0%		5.4%		10.1%	0.0%	2.9%								9.3%
PB005301	32.0%		15.3%	100.0%	7.8%		4.9%	0.0%	5.0%	0.0%	4.1%	0.0%	0.0%	0.0%					6.8%
PB005302	20.0%		28.6%	0.0%	11.1%	0.0%	0.0%		2.9%	0.0%	3.3%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.4%
PB005303	21.4%	0.0%	21.5%	0.0%	8.2%	0.0%	7.5%	0.0%	15.5%	0.0%	5.1%	0.0%		0.0%					10.5%
PB005304	40.0%		23.5%	50.0%	40.9%		10.0%		20.0%		6.3%						0.0%		25.3%
PB005305	45.5%		15.4%	0.0%	19.0%	0.0%	13.3%	0.0%	11.5%	0.0%	6.4%		0.0%	0.0%	0.0%	0.0%			11.7%
PB005306	29.3%	0.0%	18.5%	0.0%	7.7%	50.0%	4.9%	16.7%	11.0%	0.0%	6.6%	0.0%							9.4%
PB005307	33.3%	0.0%	33.3%		11.1%		0.0%	0.0%	3.7%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			2.9%
PB005308	0.0%		23.1%		2.9%		0.0%		1.7%		2.8%								4.1%
PB005309	43.3%	25.0%	29.3%	0.0%	14.9%	14.3%	8.1%	8.3%	12.8%	0.0%	3.7%	0.0%		0.0%					12.4%
PB005310	23.1%		8.0%	0.0%	4.4%		10.0%		12.3%	0.0%	3.5%	50.0%							8.1%
PB005311			8.3%	0.0%	9.4%		2.0%	0.0%	5.2%	0.0%	1.3%	0.0%			0.0%				3.4%
PB005313	22.2%		0.0%	0.0%	3.7%	0.0%	2.3%	100.0%	11.3%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%			5.0%

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MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005314	0.0%		14.3%		7.1%	0.0%	8.6%	66.7%	6.0%	0.0%	2.1%	0.0%	0.0%	0.0%					5.5%
PB005315	30.3%	100.0%	27.8%		6.9%	14.3%	5.4%	28.6%	4.7%	10.0%	2.6%	11.1%	0.0%		0.0%	0.0%	0.0%		7.5%
PB005316	12.5%	0.0%	5.0%	0.0%	4.8%	0.0%	2.9%		1.6%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.0%
PB005317	13.3%		18.2%	50.0%	17.3%	0.0%	7.8%	0.0%	14.2%	0.0%	3.2%	100.0%							11.0%
PB005318	8.3%		18.4%	0.0%	8.4%		6.0%	0.0%	7.8%	0.0%	3.7%				0.0%				6.9%
PB005319	28.6%		17.1%		10.3%		11.7%		9.8%		6.0%								9.9%
PB005320	0.0%		0.0%		4.0%		2.6%		8.9%		2.3%	0.0%				0.0%			3.7%
PB005321	18.8%	0.0%	21.7%	33.3%	11.6%	0.0%	5.1%	0.0%	11.8%	0.0%	4.0%	0.0%	0.0%		0.0%	0.0%	0.0%		9.7%
PB005322	15.2%	0.0%	9.8%		4.4%		4.2%	0.0%	4.7%	0.0%	3.9%	0.0%							4.8%
PB005323	20.9%		18.5%		10.8%	100.0%	6.3%	0.0%	7.8%	0.0%	2.8%	0.0%			0.0%				8.3%
PB005324	50.0%		16.7%		4.5%	0.0%	2.8%	100.0%	20.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.3%
PB005325	22.6%	0.0%	17.1%	0.0%	8.3%	50.0%	5.5%	20.0%	20.6%	20.0%	11.5%	0.0%							13.4%
PB005326	44.9%		30.5%		26.4%		24.9%	100.0%	21.2%		13.6%	0.0%	0.0%						23.5%
PB005327	100.0%		50.0%		12.5%		4.3%		2.2%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%			2.5%
PB005328	20.0%		62.5%		18.8%		0.0%	0.0%	10.5%	100.0%	1.4%	0.0%		0.0%					9.3%
PB005329	30.7%		16.4%	0.0%	18.6%		8.6%	50.0%	14.1%		5.9%								13.2%
PB005330	31.0%	100.0%	17.4%	0.0%	16.1%	0.0%	17.5%	0.0%	14.8%	0.0%	7.6%	0.0%	0.0%	0.0%			0.0%		15.3%
PB005331	20.0%	0.0%	12.5%	100.0%	35.3%	0.0%	10.0%		5.0%		0.0%						0.0%		14.9%
PB005332	12.5%	0.0%	27.5%		15.1%	0.0%	8.2%	0.0%	12.4%	0.0%	3.9%				0.0%	0.0%			11.2%
PB005333	16.7%	66.7%	26.8%	0.0%	11.0%	0.0%	10.8%	10.0%	12.5%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%			9.7%
PB005334	21.4%		19.4%		12.9%		6.0%		7.1%	0.0%	3.4%	0.0%							8.7%
PB005335	25.0%	100.0%	12.9%	0.0%	4.8%	0.0%	6.3%	0.0%	9.2%	0.0%	2.9%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%		4.5%
PB005336	23.8%	66.7%	14.5%	9.5%	9.7%	23.1%	6.3%	38.9%	10.1%	11.8%	5.5%	0.0%	0.0%	0.0%	0.0%				10.0%
PB005337	20.0%	100.0%	16.7%		25.0%	0.0%	0.0%	0.0%	3.1%	0.0%	2.8%	0.0%				0.0%	0.0%		4.9%
PB005338	10.0%		21.1%	0.0%	13.0%	0.0%	13.5%	0.0%	11.5%	0.0%	5.8%		0.0%	0.0%			0.0%		12.4%
PB005339	22.9%	0.0%	26.8%		10.9%	50.0%	8.6%	0.0%	14.0%	0.0%	4.8%	0.0%				0.0%			11.9%
PB005340					0.0%		33.3%		16.7%		0.0%								9.5%
PB005342	28.0%	0.0%	12.2%	0.0%	9.8%	0.0%	7.4%	20.0%	8.5%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%			7.3%
PB005344	28.9%	0.0%	18.2%	22.2%	15.4%	22.2%	6.3%	28.6%	13.5%	0.0%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%			11.7%
PB005345	0.0%		25.0%	0.0%	9.1%	0.0%	8.0%		17.2%	0.0%	9.7%	0.0%		0.0%					11.3%
PB005347	19.6%		9.7%		9.1%		5.9%		8.5%		3.1%								6.9%
PB005348	10.0%		14.3%	0.0%	8.9%	33.3%	6.2%	20.0%	9.8%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%			6.8%
PB005350	47.4%		22.0%		16.9%		6.3%		9.7%		7.1%								11.9%
PB005351	28.6%		28.1%	0.0%	8.9%	0.0%	9.0%	0.0%	12.0%	0.0%	2.2%	0.0%							9.2%
PB005352	7.1%		17.1%		9.0%		4.8%		13.8%	0.0%	5.2%	0.0%		0.0%					8.8%
PB005353	32.3%		20.2%		12.9%	0.0%	8.0%	100.0%	17.5%		5.1%	0.0%							12.2%
PB005354	18.2%		3.8%		5.1%		2.7%	0.0%	4.5%		1.7%	0.0%				0.0%			3.5%
PB005356	40.9%		21.4%		9.3%	0.0%	5.1%	0.0%	12.6%		10.4%	0.0%							12.2%
PB005357	38.5%	0.0%	21.4%	25.0%	17.1%	0.0%	12.8%	0.0%	14.3%	14.3%	5.1%	0.0%							15.2%
PB005358	25.0%	33.3%	2.3%	0.0%	8.7%	0.0%	4.5%	0.0%	8.5%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%				6.5%
PB005359	18.6%	0.0%	23.8%	0.0%	12.7%	12.5%	8.5%	0.0%	10.5%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%			11.4%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005360	23.1%	50.0%	17.0%	28.6%	13.3%	25.0%	7.4%	0.0%	9.3%	0.0%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.2%
PB005362	0.0%	0.0%	0.0%	0.0%	7.7%		0.0%		6.1%		1.9%	0.0%	0.0%						2.9%
PB005363	0.0%		0.0%		0.0%		0.0%		11.5%		6.9%	0.0%							4.8%
PB005364	20.0%		7.4%	0.0%	11.5%		8.1%	0.0%	4.5%	0.0%	5.9%	0.0%							6.8%
PB005365	28.0%		30.0%	50.0%	25.0%		21.7%	0.0%	12.5%		8.9%	0.0%	0.0%						20.6%
PB005366	27.3%		11.3%		11.7%		4.2%		9.4%		2.8%								8.0%
PB005367	37.5%		12.5%	0.0%	8.0%	0.0%	0.0%	0.0%	27.6%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.9%
PB005368	23.1%		20.0%	0.0%	8.6%		3.8%	0.0%	6.6%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%		5.7%
PB005369	31.1%		23.5%		11.2%		10.8%		21.2%	0.0%	8.4%	0.0%		0.0%	0.0%		0.0%		14.2%
PB005371	19.2%		22.6%		15.6%		3.2%		12.7%		3.8%								10.8%
PB005372	28.3%	33.3%	23.5%	0.0%	19.3%	7.7%	7.1%	11.1%	12.9%	0.0%	4.2%	11.1%	0.0%	0.0%	0.0%		0.0%		12.6%
PB005373	0.0%		18.8%	0.0%	10.8%		7.5%	25.0%	5.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.0%
PB005374	32.5%		16.8%		15.0%		9.6%	0.0%	14.2%	0.0%	4.4%	0.0%	0.0%						12.3%
PB005375	43.5%		18.5%		11.7%		14.8%		12.7%	0.0%	4.8%								14.2%
PB005376	11.5%		16.7%	100.0%	15.9%		10.1%		13.4%	0.0%	8.5%								12.3%
PB005377	32.3%	100.0%	22.5%	0.0%	12.9%	0.0%	5.1%	0.0%	13.0%	0.0%	7.1%	0.0%	0.0%						12.9%
PB005378	37.5%	0.0%	35.2%	20.0%	21.3%		9.1%	0.0%	9.0%		5.9%	0.0%	0.0%	0.0%	0.0%				15.7%
PB005381	40.0%		11.1%		3.4%	0.0%	6.8%		1.4%	0.0%	2.7%	0.0%		0.0%	0.0%				3.8%
PB005382	23.1%		13.4%		14.4%		13.0%		15.7%		11.7%								13.9%
PB005383	64.3%		25.0%	0.0%	15.2%	0.0%	13.4%	100.0%	12.7%	0.0%	4.1%	50.0%							13.9%
PB005384	21.7%	0.0%	17.3%	11.1%	10.3%	0.0%	9.9%	0.0%	8.5%	11.1%	2.5%	11.8%		0.0%	0.0%	0.0%	0.0%		8.7%
PB005386	28.6%		22.4%	0.0%	15.5%		6.3%	0.0%	13.0%		9.4%	0.0%		0.0%					12.9%
PB005387	26.5%		14.8%		11.9%	0.0%	4.3%	0.0%	5.2%	0.0%	0.8%	0.0%					0.0%		5.6%
PB005388	0.0%				0.0%		22.2%		0.0%		0.0%							0.0%	7.1%
PB005389	0.0%		16.7%		0.0%	0.0%	14.3%		5.3%	0.0%	0.0%	0.0%				0.0%			5.6%
PB005390	35.0%		18.4%	0.0%	13.0%	0.0%	9.7%	0.0%	9.7%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			9.2%
PB005391	20.7%		12.4%		9.0%	0.0%	6.8%	0.0%	8.9%	0.0%	2.7%	0.0%							7.6%
PB005392	37.5%		20.7%	33.3%	7.8%	0.0%	4.5%	0.0%	12.0%	0.0%	3.7%	0.0%		0.0%		0.0%	0.0%		8.3%
PB005394	20.6%	71.4%	23.3%	8.3%	10.6%	11.1%	6.5%	42.9%	12.9%	6.3%	6.3%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%		12.0%
PB005395	39.5%	28.6%	27.1%	25.0%	16.3%	0.0%	6.4%	37.5%	15.6%	0.0%	5.9%	0.0%							16.0%
PB005396	0.0%		4.1%		7.0%		13.5%		5.9%		4.8%								6.7%
PB005397	21.9%		19.3%	0.0%	10.3%	50.0%	8.1%	33.3%	9.4%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.8%
PB005398	25.0%		30.3%		10.3%		8.9%	0.0%	13.1%		4.8%								10.3%
PB005399	22.0%	33.3%	14.6%	0.0%	9.7%	0.0%	6.4%	0.0%	8.8%	16.7%	5.4%	0.0%	0.0%			0.0%			8.9%
PB005400	46.2%		40.3%		22.7%		17.6%	0.0%	13.0%		5.3%	0.0%							21.7%
PB005401	29.3%	0.0%	18.2%	0.0%	15.6%	11.1%	7.0%	0.0%	11.4%	0.0%	2.6%	14.3%	0.0%	0.0%	0.0%	0.0%	0.0%		10.0%
PB005402	60.0%	100.0%	19.0%	0.0%	7.5%	10.0%	6.9%	0.0%	16.7%	12.5%	6.3%	0.0%	0.0%	0.0%					9.8%
PB005403	26.9%		21.5%	0.0%	10.3%	0.0%	3.9%	0.0%	13.8%	0.0%	2.2%	0.0%							9.0%
PB005404	20.0%		13.5%		11.8%		7.1%		15.2%		6.4%								10.4%
PB005405	41.2%		24.7%	0.0%	16.2%	0.0%	14.7%	28.6%	18.8%	30.0%	8.0%	0.0%							17.0%
PB005406	40.4%		19.3%		10.8%		6.3%		18.3%		5.4%								12.8%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005407	34.8%	40.0%	27.4%	16.7%	10.4%	15.4%	9.3%	0.0%	10.6%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		11.9%
PB005408	22.9%		15.4%	0.0%	14.9%	0.0%	9.4%	0.0%	10.3%		5.7%	0.0%							10.4%
PB005409	28.3%		22.6%		7.0%		14.1%		4.3%		0.7%								8.9%
PB005410	18.2%	100.0%	8.6%		9.3%		7.4%	100.0%	9.4%		5.0%	0.0%							7.9%
PB005411	36.1%		22.8%	100.0%	12.4%		8.8%		16.0%		5.5%								12.9%
PB005412	24.2%	0.0%	24.0%	0.0%	15.1%	0.0%	6.5%	0.0%	10.3%	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%			10.6%
PB005413	10.5%	0.0%	18.5%	0.0%	14.1%		8.8%	0.0%	18.1%	0.0%	6.6%	0.0%							12.1%
PB005414	22.9%	100.0%	18.3%	50.0%	9.5%	0.0%	7.2%	0.0%	11.1%	0.0%	6.0%	0.0%		0.0%	0.0%				10.2%
PB005415	15.8%		14.3%		9.4%	0.0%	7.1%	0.0%	12.9%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%				7.9%
PB005416	26.3%		11.5%		14.4%		8.1%		10.0%		5.5%								9.4%
PB005417	35.7%		34.4%		14.7%	0.0%	9.2%		10.3%	0.0%	2.7%	0.0%							12.8%
PB005418	25.0%		11.7%	0.0%	8.1%		3.4%		6.3%	0.0%	1.2%	0.0%							5.5%
PB005419	15.0%		15.0%	0.0%	9.6%	0.0%	7.4%	0.0%	13.5%	0.0%	5.3%	16.7%							9.1%
PB005420	14.3%		11.8%	0.0%	4.9%	0.0%	5.8%		5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			3.7%
PB005421	23.6%		24.0%	0.0%	10.3%	50.0%	7.6%	0.0%	14.4%	0.0%	3.0%	0.0%		0.0%	0.0%	0.0%			10.7%
PB005423	11.1%		7.8%	0.0%	6.4%	0.0%	9.7%		12.0%	0.0%	4.9%		0.0%						8.3%
PB005424	28.1%		17.2%		8.2%	0.0%	7.2%		10.1%	0.0%	4.1%								9.5%
PB005425	10.7%		10.8%	0.0%	4.8%	0.0%	6.5%	0.0%	5.4%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.7%
PB005426	15.4%		8.6%	0.0%	3.5%	0.0%	5.1%	0.0%	6.4%	0.0%	2.8%	0.0%	0.0%	25.0%	0.0%		0.0%		5.2%
PB005427	29.0%	25.0%	19.5%	18.2%	13.6%	0.0%	9.3%	18.2%	11.3%	10.0%	3.3%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%		10.8%
PB005428	20.0%		26.7%	0.0%	22.6%		14.8%	0.0%	11.5%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%			10.7%
PB005430	34.0%		27.5%	0.0%	22.3%		11.4%		26.7%	0.0%	12.5%	0.0%							21.1%
PB005432	100.0%		16.7%	0.0%	21.2%	0.0%	19.6%		36.1%	0.0%	10.1%								22.3%
PB005433	29.6%	0.0%	19.5%	40.0%	12.1%	0.0%	9.6%	10.0%	12.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		10.0%
PB005434	19.6%	0.0%	13.8%	0.0%	4.3%	0.0%	7.0%	0.0%	11.7%	0.0%	4.7%	0.0%							7.9%
PB005435	34.6%	50.0%	23.5%	0.0%	21.4%	12.5%	8.6%	16.7%	13.8%	0.0%	9.8%	14.3%		0.0%	0.0%				15.6%
PB005436	18.2%	0.0%	17.9%	0.0%	7.7%	0.0%	5.6%	0.0%	10.2%	0.0%	3.3%	0.0%	0.0%	0.0%					8.3%
PB005437	29.2%	25.0%	24.7%	16.7%	14.0%	33.3%	9.7%	12.5%	12.9%	0.0%	6.3%	0.0%	0.0%	0.0%					14.7%
PB005438	17.7%	50.0%	19.1%	0.0%	14.3%	0.0%	9.4%	16.7%	10.8%	11.1%	3.7%	0.0%			0.0%				10.8%
PB005439	23.5%		4.1%		7.0%		2.6%		10.7%		2.4%								5.9%
PB005440	25.0%	100.0%	16.9%	0.0%	12.6%	0.0%	8.9%	0.0%	10.6%	0.0%	4.3%	0.0%			0.0%				9.5%
PB005441	18.8%		17.1%		8.8%		5.1%		5.8%		3.0%								6.8%
PB005442	26.2%		12.7%		8.3%		6.5%		8.4%		4.5%	0.0%							7.9%
PB005443	23.5%	0.0%	9.6%	0.0%	4.9%	40.0%	7.9%	0.0%	8.8%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.2%
PB005444	0.0%	100.0%	16.7%		28.6%		28.6%		0.0%		20.0%	0.0%	0.0%						17.9%
PB005445	16.7%		12.7%	0.0%	4.8%		5.0%	0.0%	10.0%	25.0%	3.0%	0.0%			0.0%				6.6%
PB005446	13.5%	0.0%	13.0%	0.0%	6.4%	0.0%	5.3%	10.0%	4.6%	7.1%	1.2%	0.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%	4.4%
PB005447	14.3%		6.3%		10.4%		6.8%	0.0%	6.5%		2.7%	0.0%	0.0%	0.0%	0.0%	0.0%			6.9%
PB005448	36.4%	0.0%	23.9%	0.0%	16.6%	0.0%	8.9%	0.0%	12.0%	14.3%	6.9%	0.0%	0.0%	0.0%	0.0%	0.0%			13.1%
PB005449	25.0%	50.0%	22.4%		9.5%		6.5%	0.0%	2.1%		2.2%	0.0%	0.0%	0.0%	0.0%		0.0%		6.4%
PB005450	25.0%		11.8%	0.0%	12.6%	0.0%	7.8%	0.0%	17.8%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%			10.3%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005451	25.9%	0.0%	20.4%		13.3%	14.3%	7.4%	100.0%	14.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%			11.3%
PB005452	71.4%	0.0%	24.4%	0.0%	14.8%	33.3%	11.7%	16.7%	20.0%	0.0%	4.0%	0.0%	0.0%	0.0%		0.0%			14.0%
PB005453	26.1%		22.2%		4.9%	20.0%	5.3%	100.0%	13.7%	0.0%	0.7%	0.0%		0.0%	0.0%	0.0%			7.5%
PB005454	22.6%	0.0%	17.9%	40.0%	5.7%	0.0%	4.5%	0.0%	6.9%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.5%
PB005455	5.6%		13.7%	0.0%	8.1%	0.0%	5.5%	50.0%	7.1%	0.0%	1.5%			0.0%		0.0%			6.1%
PB005456	22.2%		33.3%		13.5%	0.0%	6.3%	0.0%	8.8%	0.0%	6.4%	0.0%	0.0%	0.0%	0.0%	7.7%			9.6%
PB005457	24.7%	25.0%	17.0%	15.4%	9.4%	0.0%	5.5%	10.0%	10.2%	9.1%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%			8.5%
PB005458	31.8%	100.0%	14.4%	0.0%	4.5%	0.0%	3.9%	20.0%	10.3%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			7.1%
PB005459	38.5%		9.1%	0.0%	15.9%	100.0%	17.1%		20.8%		5.6%								14.0%
PB005460	26.7%	100.0%	11.1%	0.0%	10.1%	0.0%	8.2%	0.0%	17.7%	0.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		12.0%
PB005461	40.0%	0.0%	13.8%	0.0%	7.5%	12.5%	3.5%	16.7%	9.9%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%			6.4%
PB005462	24.1%	100.0%	17.8%	0.0%	7.2%	0.0%	4.7%	0.0%	7.1%	0.0%	2.8%	0.0%	0.0%						7.8%
PB005463	33.3%		12.5%		6.3%		5.6%		18.2%		4.9%	0.0%	0.0%	0.0%					8.3%
PB005464	22.2%		20.0%	0.0%	0.0%	0.0%	13.8%		12.5%	0.0%	6.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		7.2%
PB005465	37.5%		30.0%		10.5%	0.0%	3.8%	0.0%	12.5%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%		8.5%
PB005466	15.8%	0.0%	15.2%	12.5%	11.6%	0.0%	8.3%	9.5%	10.7%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		8.1%
PB005468	25.7%	0.0%	14.0%	0.0%	9.0%	25.0%	9.1%	0.0%	7.8%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%			6.7%
PB005469	66.7%		12.5%	0.0%	7.1%	0.0%	2.1%	0.0%	5.9%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%			4.7%
PB005470	18.2%	20.0%	14.0%	0.0%	4.8%	0.0%	5.6%	0.0%	4.9%	0.0%	2.3%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%		4.7%
PB005471	40.0%		13.0%		6.7%	0.0%	1.1%	0.0%	4.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%			4.6%
PB005472	25.5%	20.0%	17.4%	0.0%	7.1%	20.0%	5.7%	16.7%	11.4%	12.5%	5.8%	0.0%	0.0%	0.0%					10.0%
PB005473	8.3%	0.0%	23.6%	0.0%	14.5%	0.0%	7.3%	0.0%	9.6%	0.0%	6.7%	0.0%	0.0%		0.0%	0.0%			10.4%
PB005474	26.4%	15.4%	20.0%	9.1%	12.2%	4.2%	9.2%	0.0%	16.0%	5.0%	2.9%	11.1%	0.0%	0.0%	0.0%	0.0%			12.6%
PB005475	34.5%		22.5%		17.8%		11.7%		14.2%	0.0%	5.1%	0.0%							14.1%
PB005477	66.7%		0.0%	0.0%	10.2%	0.0%	3.4%	12.5%	5.4%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%			3.5%
PB005478	50.0%		6.7%		0.0%	0.0%	0.0%	0.0%	1.6%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			1.4%
PB005479	17.1%		16.0%	100.0%	10.6%	0.0%	12.8%	0.0%	4.5%	0.0%	2.7%	25.0%	0.0%	0.0%	0.0%	0.0%			8.3%
PB005480	14.8%		18.6%		13.2%		8.8%		11.9%		5.5%								10.6%
PB005481	25.0%		21.6%		6.9%		7.2%		9.0%		3.4%								8.0%
PB005483	16.7%		13.0%	0.0%	4.3%		3.4%	0.0%	4.3%		3.0%	0.0%							4.5%
PB005484	28.1%		9.0%	33.3%	9.9%	0.0%	7.3%	0.0%	11.8%	0.0%	3.1%	0.0%							8.5%
PB005485	30.0%	0.0%	12.5%	0.0%	6.5%	0.0%	10.0%	33.3%	20.6%	16.7%	5.3%	0.0%	0.0%	0.0%	0.0%		0.0%		10.8%
PB005486	25.0%	0.0%	14.3%		7.3%	0.0%	3.2%		17.7%	0.0%	4.1%		0.0%	0.0%					8.7%
PB005487	16.7%		16.8%	0.0%	12.6%		6.3%		11.6%	0.0%	2.7%								8.9%
PB005488	16.8%		12.1%	0.0%	6.3%		7.3%	0.0%	8.3%	0.0%	3.3%	0.0%	0.0%						7.0%
PB005489	4.5%	0.0%	14.3%	25.0%	7.7%	0.0%	5.2%	0.0%	6.7%	18.8%	4.4%	0.0%							6.3%
PB005490	15.8%		13.3%	0.0%	6.0%	100.0%	6.6%		12.4%		4.2%	0.0%	0.0%						8.1%
PB005491	32.3%	50.0%	15.9%	0.0%	8.2%	0.0%	5.3%	0.0%	10.6%	0.0%	2.8%	0.0%	0.0%		0.0%				8.1%
PB005492	36.1%		23.1%		10.5%	0.0%	8.4%		8.9%		6.7%	0.0%							10.6%
PB005493	19.0%		18.9%		10.7%		5.1%	0.0%	7.6%	0.0%	2.5%	0.0%							7.6%
PB005494	34.8%		25.0%		13.3%		9.5%		14.4%		3.1%								11.0%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005495	40.0%	0.0%	22.2%		23.1%	0.0%	15.0%	100.0%	31.5%	0.0%	12.9%	0.0%							20.8%
PB005496	7.1%	100.0%	10.0%		13.3%	16.7%	5.9%	0.0%	7.1%	12.5%	3.5%	0.0%		0.0%					6.4%
PB005497	27.3%	0.0%	15.7%	33.3%	16.1%	0.0%	14.7%	66.7%	20.0%	0.0%	11.0%	25.0%							15.5%
PB005498	27.9%	0.0%	27.8%	0.0%	20.3%	0.0%	8.7%	20.0%	12.3%	0.0%	4.1%	0.0%	0.0%	0.0%	14.3%	0.0%			13.8%
PB005499	25.0%		16.7%	0.0%	9.6%	33.3%	9.5%	50.0%	16.9%	0.0%	5.2%	0.0%							11.5%
PB005500	23.7%	0.0%	11.6%	0.0%	10.3%	14.3%	4.2%	0.0%	7.4%	0.0%	1.9%	0.0%	16.7%	0.0%	0.0%	0.0%			6.6%
PB005501	27.8%		20.0%		6.8%		3.6%		13.3%		6.3%								9.8%
PB005502	29.4%	0.0%	9.6%	0.0%	11.3%	0.0%	12.0%	0.0%	10.1%	25.0%	4.1%	0.0%		0.0%	0.0%	0.0%			9.3%
PB005503	33.3%		36.7%	0.0%	22.7%	0.0%	0.0%		14.3%		0.0%	25.0%		0.0%					20.4%
PB005504			0.0%		10.5%		9.8%		9.7%		2.6%	0.0%							7.1%
PB005505	11.9%		8.8%		8.2%	0.0%	6.2%		8.8%		3.9%								6.8%
PB005506	16.7%		26.7%	0.0%	14.6%		7.8%		15.0%		7.6%	0.0%							11.1%
PB005507	27.3%		9.7%		6.9%		5.1%		14.8%	0.0%	2.6%	0.0%							7.4%
PB005508	9.1%	33.3%	10.3%	0.0%	10.2%	0.0%	6.4%	33.3%	12.9%	14.3%	4.2%	0.0%	0.0%	0.0%	0.0%	0.0%			8.1%
PB005509	9.1%	33.3%	19.5%	0.0%	13.3%	0.0%	12.8%	0.0%	12.8%	33.3%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.6%
PB005510	4.2%	33.3%	11.7%	0.0%	9.6%	0.0%	4.5%	25.0%	7.5%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.1%
PB005511	25.0%	100.0%	9.4%	0.0%	9.0%	0.0%	5.8%	0.0%	6.7%	15.8%	2.5%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%
PB005512	23.5%	0.0%	21.1%	0.0%	10.8%	0.0%	6.7%	0.0%	7.3%	7.7%	4.3%	0.0%	12.5%	0.0%	0.0%				8.6%
PB005513	100.0%		0.0%		3.6%	0.0%	3.3%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%
PB005514	0.0%		25.9%		10.3%	0.0%	6.2%	0.0%	8.2%	100.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%
PB005515	16.7%		19.6%	0.0%	18.5%	0.0%	8.1%	0.0%	9.7%	0.0%	7.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.3%
PB005516	40.0%	0.0%	15.4%	0.0%	0.0%	0.0%	7.5%	0.0%	6.8%	16.7%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.1%
PB005517	16.7%		17.6%	0.0%	1.4%	0.0%	3.5%	0.0%	3.7%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%
PB005518	22.2%	50.0%	20.0%	16.7%	7.4%	16.7%	9.9%	0.0%	12.3%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.3%
PB005519	22.2%		15.8%	0.0%	6.7%	0.0%	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%
PB005520	15.4%	0.0%	0.0%		3.3%	0.0%	0.0%	0.0%	2.3%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%
PB005521	37.5%	100.0%	24.4%	33.3%	14.6%	0.0%	9.0%	50.0%	11.2%	7.1%	4.3%	5.9%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	11.1%
PB005522	36.4%		22.2%		20.8%		1.5%	0.0%	7.5%		1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.7%
PB005523	35.7%	50.0%	23.2%	12.5%	18.1%	0.0%	15.5%	0.0%	15.0%	0.0%	5.9%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	15.8%
PB005526	24.3%	0.0%	21.7%	12.5%	21.2%	25.0%	17.5%	14.3%	22.1%	12.5%	7.6%	0.0%							17.4%
PB005527	28.6%		26.8%	0.0%	16.9%	0.0%	6.1%	16.7%	9.6%	9.1%	3.2%	0.0%							10.3%
PB005528	60.0%		20.0%		20.5%	0.0%	16.3%		7.5%	0.0%	8.5%								14.6%
PB005529	25.0%	33.3%	13.3%	33.3%	7.0%	0.0%	7.3%	27.3%	12.1%	10.0%	4.3%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%
PB005530	0.0%	0.0%	10.5%	100.0%	9.1%	0.0%	8.3%	0.0%	11.8%	0.0%	2.2%	0.0%	0.0%	0.0%		0.0%			7.6%
PB005531	40.0%		25.0%	33.3%	3.8%	0.0%	3.7%		24.4%		9.9%	16.7%							13.2%
PB005532	31.4%		18.6%		8.3%	100.0%	2.9%		8.7%	100.0%	2.9%	0.0%							9.2%
PB005533	45.2%	0.0%	15.6%		22.6%	75.0%	11.8%	50.0%	11.6%	0.0%	6.4%	0.0%		0.0%					16.3%
PB005534	50.9%	0.0%	27.5%	28.6%	22.9%	0.0%	18.3%	0.0%	12.8%	0.0%	6.1%		0.0%		0.0%		0.0%	0.0%	21.1%
PB005535	0.0%		12.5%		23.5%	0.0%	0.0%	0.0%	5.5%		1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%
PB005536	22.2%		18.0%	0.0%	13.0%		10.0%		8.3%		4.2%								9.6%
PB005537	66.7%		27.8%	0.0%	14.8%	0.0%	12.5%	0.0%	11.7%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	5.4%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005538	50.0%		28.6%		15.0%		0.0%		7.1%	0.0%	3.6%	0.0%		0.0%	0.0%	0.0%	0.0%		6.0%
PB005539	38.8%	0.0%	16.8%	0.0%	10.2%	0.0%	5.5%	10.0%	10.3%	0.0%	4.8%	9.1%	0.0%	0.0%					9.7%
PB005540	21.8%		17.0%		11.9%		9.6%		10.8%		3.4%								10.6%
PB005541	30.4%		10.7%		8.4%		3.7%		3.2%		3.8%	0.0%							7.3%
PB005542	27.3%		4.5%	0.0%	20.0%		7.4%	0.0%	11.5%	0.0%	3.8%	0.0%							11.5%
PB005543	38.1%	0.0%	15.3%	0.0%	16.8%	20.0%	12.8%	25.0%	17.1%	0.0%	7.7%	0.0%	0.0%	0.0%		0.0%	0.0%		13.9%
PB005544	33.3%		13.8%	0.0%	10.0%		4.4%	0.0%	7.8%		6.6%	0.0%							8.0%
PB005545			14.3%	0.0%	0.0%		9.5%	0.0%	8.3%	0.0%	4.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%		5.7%
PB005546	0.0%		13.6%	0.0%	3.5%	0.0%	3.2%	33.3%	10.3%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			5.7%
PB005547	5.3%	0.0%	7.9%	0.0%	9.2%	20.0%	5.7%	0.0%	7.7%	25.0%	5.9%	0.0%							7.1%
PB005548	0.0%	0.0%	0.0%		33.3%	0.0%	5.0%		0.0%	0.0%	2.6%	0.0%		0.0%					5.1%
PB005549	23.2%	11.1%	15.9%	6.7%	10.1%	18.2%	8.2%	25.0%	10.9%	0.0%	1.7%	0.0%	0.0%	9.1%	0.0%	0.0%	0.0%		9.5%
PB005550	37.5%		17.4%		14.5%	0.0%	6.0%		6.7%		6.3%	0.0%							8.8%
PB005551	17.1%	40.0%	13.6%	20.0%	5.3%	14.3%	4.6%	22.2%	7.3%	14.3%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.8%
PB005552	42.9%		7.7%		6.3%		3.0%		13.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.8%
PB005553	18.8%	50.0%	19.7%	75.0%	8.5%	0.0%	6.1%	0.0%	12.1%	14.3%	4.1%	0.0%							8.6%
PB005554	11.1%	0.0%	11.8%	0.0%	11.2%	0.0%	9.3%		10.8%		1.6%	0.0%	0.0%		0.0%	0.0%			8.5%
PB005555	12.5%	0.0%	11.0%	0.0%	13.7%	16.7%	5.0%	0.0%	6.0%	0.0%	1.9%	22.2%	0.0%	0.0%	0.0%	0.0%	0.0%		6.4%
PB005556	50.0%		9.1%		14.3%		6.5%		11.5%	50.0%	6.2%								10.2%
PB005559	27.8%	0.0%	5.3%	0.0%	7.7%	0.0%	3.2%	0.0%	11.7%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.8%
PB005560	35.7%	33.3%	23.4%	0.0%	10.8%		7.0%	0.0%	10.2%	12.5%	5.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.7%
PB005561	29.2%	0.0%	17.4%	28.6%	10.5%	0.0%	3.8%	0.0%	9.4%	100.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.1%
PB005562	28.6%	0.0%	7.7%		0.0%		6.0%		3.6%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%
PB005568	25.0%		16.7%	0.0%	17.3%	33.3%	5.8%	0.0%	9.8%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		8.7%
PB005569	17.2%	50.0%	12.7%	0.0%	13.6%	0.0%	13.0%	0.0%	15.7%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		10.8%
PB005570	16.2%		16.9%	0.0%	6.0%	0.0%	4.6%	0.0%	12.2%		6.8%	0.0%	0.0%	100.0%					8.9%
PB005572	0.0%		42.9%		3.8%		11.8%		5.1%	0.0%	7.4%	0.0%				0.0%			7.4%
PB005573	38.7%	25.0%	23.5%	0.0%	10.3%	14.3%	9.1%	15.4%	12.2%	7.7%	5.8%	0.0%	0.0%		0.0%				12.6%
PB005574	33.3%		20.0%		21.1%		9.8%	0.0%	6.7%	100.0%	2.9%	0.0%		0.0%	0.0%	0.0%	0.0%		8.3%
PB005575	18.5%		20.0%		10.3%		5.5%		11.6%	0.0%	7.8%	0.0%							10.7%
PB005576	50.0%		0.0%		3.7%	0.0%	14.3%	0.0%	5.7%	0.0%	1.6%	11.1%	0.0%	0.0%	0.0%	0.0%			3.5%
PB005577	20.0%	50.0%	19.1%	0.0%	15.9%	0.0%	10.9%	0.0%	9.1%	50.0%	1.5%	0.0%		0.0%	0.0%				11.7%
PB005578	18.2%	0.0%	3.9%	0.0%	5.4%	0.0%	4.6%	0.0%	5.6%	25.0%	1.6%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%		4.0%
PB005579	16.7%	0.0%	21.8%		15.1%	0.0%	9.7%	0.0%	14.3%	0.0%	7.5%	0.0%							12.4%
PB005580	20.0%	0.0%	11.4%	0.0%	10.4%	0.0%	9.1%	0.0%	6.1%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%			7.4%
PB005582	33.8%		15.0%	0.0%	6.9%	0.0%	4.6%	0.0%	8.4%	0.0%	2.1%	0.0%		0.0%					7.2%
PB005585	20.0%		12.3%	0.0%	14.3%		6.0%		15.1%		6.9%								11.2%
PB005586	34.2%		6.3%	0.0%	6.4%	0.0%	6.2%		7.5%	0.0%	7.7%	0.0%							7.7%
PB005587	50.0%	0.0%	11.7%	0.0%	8.7%	0.0%	5.8%	0.0%	8.6%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%			7.0%
PB005590	20.0%		15.4%		6.8%	0.0%	8.6%		14.6%		3.7%	0.0%	0.0%		0.0%				8.4%
PB005592	29.0%		13.0%		5.0%	0.0%	4.3%	25.0%	4.4%	25.0%	2.5%	0.0%							4.7%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005593	11.1%	0.0%	5.9%	0.0%	4.9%		3.0%	0.0%	10.8%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%			5.3%
PB005595	16.7%		21.9%	0.0%	7.0%	0.0%	8.6%	0.0%	8.2%		2.6%	0.0%		0.0%	0.0%	0.0%			7.0%
PB005603	40.0%	0.0%	18.0%		17.6%	25.0%	13.7%	50.0%	12.5%	0.0%	4.5%	0.0%		0.0%	0.0%	0.0%	0.0%		12.2%
PB005608	18.2%		14.1%	0.0%	14.8%	0.0%	11.8%	0.0%	12.2%	0.0%	5.3%	0.0%							11.1%
PB005613	27.6%		12.9%		13.1%		6.2%		7.1%	0.0%	4.6%	0.0%							8.5%
PB005616	31.4%	25.0%	20.8%	0.0%	9.4%	0.0%	8.9%	12.5%	13.2%	0.0%	3.3%	11.8%							10.3%
PB005617	21.4%		18.6%		8.6%	0.0%	5.9%		7.6%	0.0%	6.2%	0.0%							9.8%
PB005618	26.9%		19.8%	0.0%	14.1%		8.4%		16.8%		10.2%								15.3%
PB005619	20.8%		8.4%		6.0%		6.5%		7.8%		2.9%								7.0%
PB005620	20.0%	0.0%	18.5%	14.3%	11.5%	40.0%	6.7%	0.0%	10.1%	0.0%	4.5%	9.1%	0.0%	0.0%	0.0%	0.0%			9.3%
PB005621	29.6%	0.0%	17.5%	16.7%	17.7%	0.0%	12.6%	0.0%	24.0%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%				15.1%
PB005622	21.4%		11.1%	0.0%	15.4%	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		4.5%
PB005623	15.4%		10.3%	33.3%	12.0%	0.0%	7.0%	0.0%	11.3%	0.0%	4.5%	0.0%	0.0%	0.0%					8.2%
PB005624	11.1%		2.4%		1.3%	0.0%	2.4%	0.0%	6.6%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%			3.0%
PB005625	19.8%		11.2%		8.0%		3.5%	0.0%	11.3%	0.0%	2.9%	0.0%	0.0%			0.0%			7.2%
PB005626	0.0%		8.3%		11.8%		0.0%		8.2%	0.0%	1.4%	0.0%	0.0%	3.6%	0.0%	0.0%			3.0%
PB005627	39.4%	0.0%	21.0%	0.0%	17.8%	0.0%	11.5%	25.0%	14.9%	0.0%	8.2%	0.0%	100.0%	0.0%					15.3%
PB005628	15.4%		15.8%		7.5%		1.8%		4.6%		0.0%								5.0%
PB005629	21.1%		13.7%	0.0%	5.6%		6.7%	100.0%	8.9%		1.5%								7.9%
PB005630	28.2%	0.0%	18.0%	0.0%	11.5%	0.0%	6.7%	0.0%	9.3%	0.0%	3.5%	0.0%	0.0%	3.1%	0.0%	0.0%	0.0%		7.1%
PB005632	50.0%		18.8%		30.0%	0.0%	9.1%		17.2%		4.4%	0.0%		0.0%	0.0%				13.8%
PB005633	5.9%	33.3%	21.9%	50.0%	14.3%	9.1%	7.1%	37.5%	10.3%	12.5%	8.1%	0.0%		0.0%		0.0%	0.0%		12.4%
PB005634	12.5%		20.8%		9.1%	0.0%	4.5%		18.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.2%
PB005635	35.0%	0.0%	15.8%	0.0%	16.5%	0.0%	16.8%	0.0%	11.2%	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%				13.1%
PB005636	23.1%		18.4%	0.0%	18.1%	0.0%	10.4%	0.0%	11.1%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%			10.4%
PB005639	23.5%	0.0%	12.1%	0.0%	8.7%	0.0%	6.7%	0.0%	17.4%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%			9.0%
PB005640	44.4%	0.0%	19.0%		4.2%	0.0%	5.9%	0.0%	7.1%	0.0%	3.4%	0.0%	0.0%		0.0%	0.0%			6.6%
PB005641	40.0%		7.7%	0.0%	4.2%		6.4%	20.0%	6.8%	0.0%	3.7%	0.0%	0.0%		0.0%	0.0%	0.0%		6.1%
PB005642	15.0%	0.0%	9.5%		9.9%	0.0%	5.5%	0.0%	8.0%	16.7%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.8%
PB005643	40.0%		25.9%		13.2%	100.0%	10.5%	66.7%	13.3%	0.0%	5.4%	0.0%	0.0%	0.0%	0.0%				14.2%
PB005644	11.1%		27.3%		14.3%	0.0%	7.5%	0.0%	4.5%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		3.4%
PB005645	50.0%		14.3%		0.0%		0.0%		11.1%		0.8%								3.4%
PB005646	40.0%		13.3%		5.1%		0.0%		2.6%	0.0%	0.0%	0.0%							2.7%
PB005647	42.9%		26.0%	0.0%	13.4%		9.9%	100.0%	8.6%		4.8%	0.0%					0.0%		13.1%
PB005648	34.4%		18.4%	0.0%	14.3%	0.0%	9.2%	0.0%	13.6%	0.0%	5.7%	0.0%							12.6%
PB005649	28.3%	0.0%	10.2%	60.0%	9.0%	9.1%	3.8%	60.0%	9.9%	0.0%	4.7%	0.0%	0.0%	7.1%	0.0%	0.0%			7.8%
PB005650	23.3%	33.3%	10.5%	0.0%	11.3%	0.0%	6.7%	0.0%	8.5%	0.0%	8.9%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.1%
PB005652	45.5%	0.0%	25.0%	25.0%	15.6%	40.0%	9.3%	50.0%	11.4%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	25.0%			11.2%
PB005653	40.4%		26.6%		17.9%		10.4%		16.7%		9.9%								18.5%
PB005727	11.1%		18.2%		10.2%		7.4%		11.9%		4.9%								8.9%
PB005768	20.0%		14.3%	0.0%	9.1%	0.0%	4.7%		10.4%		7.1%	0.0%							8.7%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB005772	100.0%		33.3%		17.6%		6.7%		5.9%		6.3%		0.0%						9.8%
PB005787	25.0%		0.0%		10.5%		4.0%	0.0%	3.1%		3.8%	0.0%							4.4%
PB005788	13.1%	0.0%	11.0%	20.0%	6.8%	0.0%	5.4%	12.5%	6.3%	14.3%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		6.5%
PB005789	11.1%		21.0%	0.0%	13.8%	25.0%	7.3%	33.3%	9.8%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.7%
PB005790	50.0%		11.8%		6.1%		8.1%	0.0%	9.1%		1.1%	0.0%	0.0%	0.0%		0.0%			6.3%
PB005832	19.0%		15.8%	0.0%	13.0%	0.0%	5.8%		7.8%		2.6%	0.0%							8.1%
PB005842	13.6%		11.8%	0.0%	15.1%	0.0%	12.5%		21.0%	0.0%	7.5%	0.0%							13.5%
PB005867	29.3%		25.7%		25.0%		18.1%		39.5%		20.0%								25.8%
PB005870	29.9%	50.0%	17.7%	0.0%	14.3%	0.0%	12.6%	33.3%	16.9%		7.7%	0.0%							14.9%
PB005874	12.5%		17.9%		11.1%		9.1%		8.8%		3.6%								7.6%
PB005878	22.2%	50.0%	13.9%		11.9%	0.0%	7.2%		8.6%	0.0%	3.3%	0.0%							8.2%
PB005895	36.4%	0.0%	22.0%	0.0%	13.3%	22.2%	9.8%	20.0%	17.0%	16.7%	3.2%	0.0%	0.0%	0.0%	0.0%		0.0%		13.6%
PB005906	0.0%		0.0%		33.3%	0.0%	0.0%		20.0%		9.1%								14.0%
PB005914	25.4%		17.2%	0.0%	13.5%	0.0%	4.4%		15.4%	0.0%	6.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		11.5%
PB005916	25.9%		16.5%		9.2%	100.0%	5.6%		6.8%	0.0%	5.5%	0.0%							8.1%
PB005965			36.4%		10.9%		3.1%		9.5%		7.5%	0.0%							8.7%
PB005966	30.8%		21.6%	0.0%	12.0%	0.0%	5.3%	0.0%	6.2%	0.0%	5.7%	0.0%							8.4%
PB005998	14.8%		19.1%	0.0%	9.8%	0.0%	6.6%		11.4%		4.2%	0.0%							9.1%
PB006164	19.0%		17.3%		5.4%	0.0%	6.3%		14.9%	66.7%	3.6%	0.0%	0.0%	0.0%					8.5%
PB006271	23.6%	0.0%	14.2%	15.4%	13.8%	11.8%	9.8%	0.0%	14.8%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			11.1%
PB006363			28.6%		6.3%		3.4%	0.0%	13.5%	0.0%	10.6%	0.0%		0.0%					10.9%
PB006373	45.5%		22.2%		11.1%	0.0%	8.3%	100.0%	17.2%		5.3%	0.0%							11.8%
PB006456	32.2%	100.0%	18.8%	0.0%	11.3%	0.0%	8.8%	66.7%	5.0%	0.0%	2.9%	0.0%		0.0%					8.5%
PB006490	24.4%	28.6%	27.7%	10.0%	9.1%	12.5%	8.3%	0.0%	11.5%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%			9.9%
PB006514	14.3%		14.5%	0.0%	8.5%	0.0%	9.5%	0.0%	8.3%	0.0%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%			7.3%
PB006519	33.3%		18.5%	25.0%	15.9%	0.0%	10.8%	0.0%	10.7%	0.0%	6.7%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%		11.0%
PB006520	20.7%	33.3%	26.9%	44.4%	21.5%	18.2%	12.4%	14.3%	18.0%	0.0%	5.7%	8.3%	0.0%	0.0%	0.0%	0.0%			15.5%
PB006521	38.9%		24.1%		16.3%		16.1%	0.0%	16.8%		5.5%	0.0%							16.7%
PB006522	35.3%	0.0%	25.6%	0.0%	4.2%	0.0%	11.0%	0.0%	18.3%	16.7%	4.3%	20.0%		0.0%					11.2%
PB006523	27.3%	100.0%	15.0%	0.0%	17.1%	0.0%	7.9%	0.0%	10.5%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		9.7%
PB006524	33.3%		0.0%		0.0%		11.1%		4.5%		6.8%	0.0%	0.0%						6.7%
PB006525	30.0%	37.5%	28.4%	0.0%	14.6%	40.0%	6.2%	33.3%	15.1%	0.0%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%			12.7%
PB006526	24.1%	0.0%	14.9%	0.0%	16.8%	20.0%	6.7%	0.0%	9.1%	0.0%	4.6%	0.0%	0.0%	0.0%	0.0%	0.0%			9.1%
PB006772	0.0%		0.0%		7.1%	0.0%	4.9%	33.3%	5.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.9%
PB006777	0.0%		20.0%	0.0%	0.0%	0.0%	4.8%	0.0%	13.8%	12.5%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	0.0%	5.9%
PB006791	24.1%	0.0%	17.8%	0.0%	11.5%	0.0%	7.8%	0.0%	12.5%	0.0%	4.0%	0.0%	0.0%	0.0%					10.5%
PB006793	35.1%		19.0%		7.0%	100.0%	6.2%		8.6%	0.0%	4.1%		0.0%						9.7%
PB006794	25.0%		33.3%		8.7%		6.7%		2.5%	0.0%	4.2%	0.0%							6.7%
PB006795	27.6%	33.3%	21.6%	25.0%	14.7%	0.0%	10.5%	20.0%	16.9%		5.8%	0.0%	0.0%	0.0%	0.0%	0.0%			14.2%
PB006796	6.7%	0.0%	10.0%	28.6%	15.4%	10.0%	4.8%	50.0%	11.5%	0.0%	4.6%	0.0%	0.0%	0.0%	0.0%	0.0%			8.8%
PB006813	14.3%		15.4%	0.0%	1.8%	33.3%	10.1%	0.0%	13.1%		2.7%	0.0%	0.0%	0.0%	0.0%				7.2%

2000 Massachusetts I&M Program Test Data

51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB006833	60.0%		50.0%		25.0%		0.0%		0.0%		0.0%								28.6%
PB006843	37.5%		13.0%		7.7%	0.0%	18.9%	0.0%	23.5%		6.5%	0.0%							15.6%
PB006853	47.6%		17.0%		9.5%		5.3%		9.9%	0.0%	3.2%								8.2%
PB006870			0.0%		14.3%		11.1%		0.0%	100.0%	7.7%	0.0%	0.0%			0.0%	0.0%		7.4%
PB006872	30.6%	0.0%	17.3%	0.0%	10.6%	0.0%	7.5%		14.4%	0.0%	6.1%	0.0%							11.8%
PB006878	27.6%	0.0%	24.3%	16.7%	13.7%	9.1%	11.5%	0.0%	9.6%	0.0%	7.7%	0.0%	0.0%	0.0%		0.0%			12.2%
PB006887	33.3%		0.0%	0.0%	13.6%		7.7%	0.0%	13.5%	16.7%	5.4%	8.3%	0.0%	0.0%	0.0%	0.0%			8.1%
PB006890	0.0%		0.0%		22.7%		0.0%		2.1%	0.0%	5.3%	14.3%	0.0%	0.0%	0.0%	0.0%	0.0%		4.7%
PB006891	25.8%	0.0%	9.8%		18.0%		8.1%	0.0%	11.2%	0.0%	2.9%								10.1%
PB006892	30.9%		24.5%	0.0%	17.5%	0.0%	8.5%	0.0%	17.8%	0.0%	4.9%	14.3%	0.0%	0.0%	0.0%	0.0%			13.7%
PB006894	17.8%		10.0%	0.0%	8.9%	0.0%	5.1%	0.0%	5.4%	20.0%	3.6%	0.0%	0.0%	0.0%	0.0%				6.7%
PB006895	28.0%	0.0%	13.4%	0.0%	10.1%	12.5%	9.5%	25.0%	10.8%	20.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%			9.1%
PB006896	15.4%		23.7%		1.7%	0.0%	0.0%		7.4%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%			4.2%
PB006897	19.0%	18.2%	12.9%	15.4%	9.2%	11.1%	4.6%	12.5%	14.1%	9.1%	5.4%	0.0%	0.0%	0.0%	0.0%				9.7%
PB006898	15.0%		16.7%	25.0%	9.9%	0.0%	8.6%	0.0%	8.1%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.0%
PB006899	7.1%		16.3%	0.0%	5.1%	0.0%	5.4%		13.3%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%			7.2%
PB006900	22.2%	0.0%	19.0%	0.0%	8.4%	0.0%	16.3%	14.3%	10.2%	0.0%	4.3%	0.0%	0.0%	16.7%	0.0%	0.0%			9.5%
PB006901	66.7%	0.0%	13.3%	28.6%	16.7%	0.0%	8.0%	0.0%	18.8%	0.0%	9.1%	0.0%	0.0%	0.0%	0.0%				11.9%
PB006902	33.3%		13.3%		4.8%		7.3%		6.8%	0.0%	2.9%		0.0%	0.0%		0.0%			6.9%
PB006903	46.2%		30.0%		50.0%		12.5%		23.1%		0.0%	0.0%							24.4%
PB006908	0.0%	0.0%	22.2%	100.0%	17.9%	0.0%	5.3%		18.2%		26.2%	25.0%	25.0%	0.0%	0.0%				18.7%
PB006918	16.5%	0.0%	16.9%	0.0%	9.0%	0.0%	8.5%	0.0%	6.1%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%			8.1%
PB006919	30.0%		42.9%	0.0%	30.0%	100.0%	0.0%		0.0%		12.5%	0.0%	0.0%						18.5%
PB006923	27.1%	0.0%	23.4%	11.1%	14.9%	20.0%	5.9%	33.3%	14.0%	0.0%	2.4%	14.3%	0.0%	0.0%	0.0%	0.0%			11.6%
PB006935	50.0%		45.8%		29.4%	100.0%	37.2%	100.0%	55.6%		12.1%			0.0%					33.5%
PB006956	33.3%		0.0%		32.0%		14.3%		12.5%		14.3%								20.3%
PB006968	25.7%	0.0%	15.0%	0.0%	13.7%	28.6%	5.7%	0.0%	9.0%	0.0%	5.5%	0.0%	0.0%	0.0%	0.0%	0.0%			9.5%
PB006970	13.2%	0.0%	19.3%	20.0%	7.8%	0.0%	7.6%	8.3%	15.1%	9.1%	2.3%	0.0%	14.3%	0.0%	0.0%	0.0%			8.5%
PB006971	21.4%		22.2%		20.3%		9.4%		11.5%		3.2%	0.0%							15.1%
PB006989			0.0%		18.2%		0.0%		0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			2.3%
PB006999	27.3%		30.4%		0.0%	0.0%	6.7%		7.7%		10.0%								12.5%
PB007001	0.0%		25.0%	0.0%	0.0%	0.0%	0.0%	50.0%	21.4%	0.0%	0.0%	7.1%							7.3%
PB007003	100.0%		0.0%	0.0%	30.0%		0.0%	0.0%	16.7%	100.0%	2.6%			0.0%	0.0%	0.0%			10.4%
PB007043	22.7%		13.3%		10.3%		8.6%		13.4%	0.0%	6.8%	0.0%				0.0%			10.1%
PB007053	41.2%	50.0%	22.2%	0.0%	20.0%	0.0%	2.9%	0.0%	14.3%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		12.6%
PB007091	25.0%		14.3%	66.7%	7.7%	0.0%	5.4%	0.0%	8.3%	0.0%	3.7%	0.0%							7.2%
PB007092	29.1%	0.0%	10.4%		8.0%	0.0%	4.9%	50.0%	6.6%	16.7%	2.3%	12.5%	0.0%	8.3%	0.0%	16.7%	0.0%		6.4%
PB007139	31.3%		4.5%	100.0%	3.6%	0.0%	2.8%		5.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%			4.7%
PB007248	29.0%	25.0%	14.8%	0.0%	11.9%	0.0%	7.2%	0.0%	9.8%	22.2%	3.2%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%		8.3%
PB007261	33.3%	0.0%	32.1%		23.5%	0.0%	10.9%		9.8%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%			11.7%
PB007268	25.0%		22.6%	0.0%	9.2%	0.0%	3.8%	0.0%	9.6%	0.0%	2.9%	0.0%	0.0%	11.1%	33.3%	0.0%			7.6%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB007269	26.1%	0.0%	13.2%	0.0%	13.2%	0.0%	6.3%	100.0%	15.1%	50.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%			11.6%
PB007270	18.2%	50.0%	8.7%	50.0%	7.7%	0.0%	4.0%	0.0%	9.1%	0.0%	3.1%		0.0%		0.0%				7.2%
PB007312	60.0%		0.0%	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	11.8%	25.0%			0.0%				18.3%
PB007313	30.3%		21.8%		11.3%		6.3%	0.0%	10.1%		3.5%								8.8%
PB007318	22.2%	0.0%	21.7%	14.3%	11.5%	0.0%	5.1%	16.7%	13.2%	11.1%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%			9.7%
PB007330	41.9%	33.3%	19.4%	23.1%	15.0%	11.8%	8.7%	0.0%	16.7%	6.3%	7.4%	0.0%	0.0%	0.0%	0.0%	0.0%			13.1%
PB007331	33.3%		30.0%		6.5%		5.9%	100.0%	10.0%		4.1%	0.0%	0.0%	0.0%	0.0%	0.0%			7.8%
PB007334	27.8%	100.0%	30.2%	0.0%	20.0%		9.4%	0.0%	9.5%		0.0%	0.0%	0.0%	0.0%		0.0%			13.5%
PB007349	24.5%	0.0%	13.6%	0.0%	9.6%	0.0%	3.4%	0.0%	7.7%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%			7.6%
PB007353	30.8%	0.0%	13.6%	0.0%	8.3%	20.0%	4.9%	14.3%	7.5%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%			6.7%
PB007355	40.9%		22.9%	0.0%	11.1%		5.5%	0.0%	13.5%		3.8%	0.0%		0.0%	0.0%				10.1%
PB007397	30.9%	0.0%	17.4%		14.9%		13.6%	0.0%	13.1%		3.7%			0.0%	0.0%				13.1%
PB007489	16.7%		21.9%	0.0%	10.8%	0.0%	6.9%	0.0%	7.6%	0.0%	3.0%	0.0%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	6.5%
PB007492	6.7%	0.0%	10.8%	14.3%	4.8%	0.0%	4.3%		6.8%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			5.5%
PB007494	34.0%	0.0%	25.8%		18.4%	0.0%	9.2%		21.4%	50.0%	4.0%	0.0%							15.5%
PB007497	34.8%		28.7%	33.3%	19.6%	0.0%	17.7%		18.6%	0.0%	5.9%	0.0%	0.0%	0.0%	0.0%				18.2%
PB007500	22.2%	0.0%	15.9%	0.0%	14.7%	0.0%	10.0%	40.0%	13.0%	42.9%	5.5%	0.0%							11.5%
PB007502	15.8%	50.0%	15.8%		11.5%	0.0%	2.3%	0.0%	12.4%		3.5%	0.0%	0.0%	0.0%	0.0%	0.0%			8.0%
PB007503	20.3%		10.1%	20.0%	7.1%	0.0%	5.9%	33.3%	7.2%	12.5%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%			6.5%
PB007505	20.0%	0.0%	18.5%	20.0%	10.9%	11.1%	6.7%	42.9%	8.5%	0.0%	2.2%	25.0%	0.0%	0.0%	0.0%	0.0%			8.5%
PB007507	22.6%	57.1%	16.8%	0.0%	11.9%	6.7%	4.2%	0.0%	12.8%	8.3%	4.2%	0.0%							10.5%
PB007510	24.7%	0.0%	16.3%	0.0%	12.2%		4.6%	0.0%	9.2%	20.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%			8.9%
PB007512	43.9%	0.0%	30.2%	0.0%	13.1%	0.0%	9.7%	0.0%	14.1%	0.0%	4.9%	0.0%	0.0%	0.0%	0.0%				13.3%
PB007514	36.8%		26.1%		13.0%		11.3%	0.0%	11.1%		5.8%								11.4%
PB007515	14.6%	0.0%	13.2%	0.0%	17.4%	0.0%	9.1%	0.0%	12.2%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%				9.9%
PB007516	26.3%		19.4%	0.0%	17.4%		1.8%		9.8%	0.0%	5.7%			0.0%	0.0%	0.0%			10.3%
PB007517	14.3%		16.7%	0.0%	19.6%	0.0%	6.4%	25.0%	15.7%	0.0%	6.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.6%
PB007518	12.5%	100.0%	22.9%	0.0%	6.7%	0.0%	2.2%	0.0%	6.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			5.0%
PB007524	35.0%		14.7%	0.0%	5.6%		6.4%	0.0%	8.1%		3.3%	0.0%							7.5%
PB007525	35.3%		17.1%	0.0%	15.6%	14.3%	6.0%	0.0%	13.1%	0.0%	4.9%	0.0%		0.0%	0.0%	0.0%			10.5%
PB007534	18.2%	25.0%	12.3%	0.0%	13.1%	0.0%	7.5%	0.0%	10.9%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%			8.8%
PB007589	29.0%		19.7%	0.0%	11.3%	0.0%	7.4%	0.0%	9.9%		3.8%		0.0%		0.0%				9.6%
PB007592	0.0%		14.3%		6.7%		17.6%		20.8%		12.9%								14.6%
PB007689	18.2%	0.0%	7.3%		4.1%		3.4%	0.0%	6.8%		2.0%								4.5%
PB007694	17.5%		12.2%		8.5%		6.5%		5.6%		2.0%	0.0%							5.9%
PB007706	39.7%	0.0%	35.5%	14.3%	17.6%	0.0%	11.8%	25.0%	12.2%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%			16.3%
PB007848	30.0%	100.0%	13.0%	0.0%	9.4%	0.0%	7.6%	25.0%	9.6%	10.0%	5.2%	0.0%		0.0%	0.0%		0.0%		8.7%
PB007849	33.3%		13.3%		6.5%		1.9%	100.0%	17.3%		8.4%	0.0%			0.0%				9.8%
PB007959	23.5%	0.0%	15.8%		9.8%		2.6%	0.0%	8.7%	0.0%	3.9%								7.0%
PB008032					100.0%						0.0%								75.0%
PB008576	25.0%		0.0%		30.0%		0.0%		7.7%	0.0%	3.4%	0.0%	0.0%	0.0%					6.7%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB008712	100.0%		25.0%		0.0%		4.8%		11.5%	0.0%	0.8%	0.0%							4.0%
PB008769	50.0%		0.0%		0.0%		11.1%	0.0%	7.7%		7.0%	0.0%	0.0%	0.0%	0.0%	0.0%			4.7%
PB008847	35.5%	40.0%	14.4%	13.0%	13.9%	7.1%	7.8%	10.0%	20.1%	20.8%	10.4%	0.0%	0.0%	0.0%	0.0%	0.0%			13.6%
PB008908	15.7%		8.4%	20.0%	8.5%	0.0%	6.2%	0.0%	13.2%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%				8.0%
PB008917	23.5%		12.1%		8.4%		3.7%	0.0%	7.4%		1.7%								6.6%
PB009130	50.0%		16.7%		0.0%		6.7%		11.4%	0.0%	4.5%	0.0%	0.0%	0.0%		0.0%			7.1%
PB009513	0.0%		0.0%	0.0%	0.0%		0.0%	0.0%	29.6%		7.7%								17.3%
PB009564	6.9%		11.1%	0.0%	7.1%	0.0%	9.1%	33.3%	16.8%	50.0%	1.9%					0.0%			9.2%
PB009783	10.5%		24.4%	0.0%	10.0%		8.7%	0.0%	6.5%	0.0%	7.6%		0.0%	0.0%					9.1%
PB009803					0.0%														0.0%
PB009818	16.7%	0.0%	14.5%	0.0%	12.3%		6.7%		8.2%	0.0%	2.0%			0.0%					6.8%
PB009822		0.0%		50.0%	12.5%	20.0%	12.5%	33.3%	11.1%	12.5%	4.5%	0.0%							10.6%
PB009868	10.0%		8.3%		16.2%		1.5%	0.0%	13.3%		6.1%	0.0%							8.1%
PB009905	18.5%		17.1%		11.1%		6.5%		3.6%		2.7%			0.0%		0.0%			7.6%
PB009945			14.3%		0.0%		3.8%		18.6%		6.2%			0.0%		0.0%			8.8%
PB009954	20.0%		11.1%		15.4%	0.0%	5.6%	0.0%	6.3%	25.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%			4.3%
PB010009	13.8%	0.0%	5.9%	0.0%	4.2%	0.0%	7.2%	0.0%	9.3%	14.3%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%			6.3%
PB010096	16.1%	100.0%	16.2%	0.0%	6.8%	0.0%	8.8%	0.0%	13.6%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.4%
PB010123	26.7%		17.3%	50.0%	12.5%	50.0%	5.8%	50.0%	9.8%	0.0%	3.4%	0.0%	0.0%		0.0%	0.0%			10.0%
PB010124	33.3%		14.8%	0.0%	14.3%		4.2%		15.2%		0.0%	0.0%		0.0%	0.0%				9.5%
PB010187											0.0%								0.0%
PB010217	37.5%		0.0%	0.0%			0.0%												18.8%
PB010235	14.7%		10.7%	0.0%	6.5%		8.6%		9.3%		2.4%		0.0%		0.0%				6.5%
PB010266	33.3%		29.5%		18.7%	50.0%	9.8%		24.4%	100.0%	9.0%	0.0%			0.0%	0.0%			17.1%
PB010289	20.6%	0.0%	17.7%	0.0%	12.0%	0.0%	6.8%	0.0%	12.0%	0.0%	3.4%	0.0%		0.0%			0.0%		9.2%
PB010340	44.1%		18.9%		12.7%	0.0%	8.3%	0.0%	14.9%	0.0%	6.0%	0.0%							12.1%
PB010344	46.2%		28.6%		10.9%	0.0%	12.1%	0.0%	18.0%		3.7%	0.0%	0.0%	0.0%					13.0%
PB010359	16.7%	0.0%	13.5%	0.0%	10.0%	50.0%	3.1%	0.0%	9.3%	50.0%	7.8%	0.0%				0.0%	0.0%		8.6%
PB010396	28.6%		12.2%		17.4%		8.0%	0.0%	6.4%	0.0%	4.3%								9.0%
PB010403	19.2%		19.7%		9.5%	0.0%	7.1%		7.6%	0.0%	4.5%	0.0%	0.0%	0.0%			0.0%		8.6%
PB010430	33.3%	0.0%	21.1%	0.0%	14.3%	14.3%	2.6%	0.0%	6.0%	0.0%	2.9%	11.1%							7.0%
PB010435	37.5%		6.3%	0.0%	15.1%	50.0%	8.1%		15.5%	0.0%	5.5%	0.0%		0.0%					10.5%
PB010557	15.4%	100.0%	10.5%		14.8%	0.0%	4.4%	100.0%	4.5%	0.0%	2.9%	0.0%					0.0%		7.9%
PB010661			0.0%		16.7%	50.0%	0.0%		25.0%	0.0%	6.7%			0.0%		0.0%			10.9%
PB010670	18.5%		11.1%		11.0%	0.0%	2.7%	0.0%	14.0%	0.0%	7.5%	0.0%							9.1%
PB010692	33.3%		0.0%	0.0%	12.2%	100.0%	8.5%	0.0%	15.9%	0.0%	5.9%	0.0%		0.0%					10.0%
PB010698	28.6%		23.8%		14.2%	0.0%	9.9%	100.0%	9.9%		5.4%	0.0%		0.0%					10.4%
PB010701	30.6%		25.6%		10.1%	0.0%	7.3%		14.2%		2.8%								9.9%
PB010702	33.3%		18.2%	100.0%	8.1%	0.0%	8.8%		12.0%	0.0%	4.5%	0.0%							9.1%
PB010772	0.0%		0.0%		16.2%	0.0%	0.0%	0.0%	13.3%	0.0%	2.5%	0.0%	0.0%		0.0%				5.7%
PB010790	35.7%		22.3%		10.7%		12.1%		27.3%	0.0%	7.7%								18.0%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB010791	34.6%		34.1%		12.5%		12.3%		22.1%		9.3%	0.0%							17.1%
PB010804	41.7%		28.9%		16.5%		10.9%	0.0%	15.7%		9.1%	0.0%							15.0%
PB010806	53.8%		14.0%		12.5%	0.0%	18.9%	100.0%	9.5%	0.0%	7.5%	100.0%	0.0%						14.8%
PB010810	20.0%		100.0%		11.8%		16.7%		25.5%		7.1%			0.0%					20.5%
PB010811	39.4%	0.0%	25.0%	100.0%	11.4%	33.3%	10.9%	50.0%	8.2%	0.0%	5.8%	0.0%	0.0%						12.9%
PB010827	28.0%	0.0%	20.5%	0.0%	14.1%	0.0%	9.5%	0.0%	5.4%	0.0%	1.9%	6.7%	0.0%						8.6%
PB010830	31.4%		20.2%	0.0%	7.2%	33.3%	10.0%	0.0%	7.3%	0.0%	3.6%	0.0%		0.0%		0.0%			10.1%
PB010831	33.3%		13.3%	0.0%	10.6%		9.0%		24.8%	0.0%	7.9%	0.0%							13.8%
PB010848	7.3%		8.7%		5.0%	0.0%	5.4%	0.0%	10.3%	0.0%	3.2%								6.3%
PB010849	24.2%	0.0%	19.4%	9.1%	16.7%	0.0%	9.7%	0.0%	16.4%	0.0%	5.4%	0.0%							13.4%
PB010885	21.1%	100.0%	12.3%		9.4%		5.5%		8.5%		4.9%	0.0%	0.0%		0.0%	0.0%			7.8%
PB010905	21.1%		14.3%	0.0%	12.5%	25.0%	10.3%	100.0%	12.3%	0.0%	6.4%	0.0%							10.8%
PB010923			0.0%		0.0%		33.3%		0.0%		20.0%						0.0%		11.8%
PB010935	20.0%		12.0%		12.1%		1.8%		10.2%	0.0%	4.6%	0.0%							7.3%
PB010951	25.0%	0.0%	20.0%	0.0%	25.7%	0.0%	17.5%	40.0%	4.5%	6.7%	11.8%	0.0%			0.0%				14.6%
PB010962	52.9%		37.0%		20.0%	50.0%	8.3%		11.1%		4.2%								21.2%
PB011012	0.0%		0.0%		7.1%	0.0%	14.3%		28.6%		0.0%								8.3%
PB011017	42.3%	0.0%	19.3%		14.0%	33.3%	13.1%	25.0%	16.8%	0.0%	11.7%	0.0%	0.0%						15.2%
PB011048	0.0%										0.0%								0.0%
PB011091	15.4%		7.8%		3.3%		6.1%	0.0%	8.5%		6.7%								6.9%
PB011174	9.1%	0.0%	25.0%		5.2%		15.4%		17.2%		3.5%								10.6%
PB011211	23.8%		14.0%		9.0%	0.0%	11.1%		13.1%	0.0%	7.3%								10.8%
PB011227	20.0%		0.0%		0.0%		25.0%												9.1%
PB011348			20.0%		0.0%		66.7%		16.7%		20.0%	0.0%			0.0%				19.2%
PB011409	40.0%		28.6%	0.0%	22.4%		12.5%	33.3%	22.0%	60.0%	12.3%	0.0%	0.0%	0.0%					19.7%
PB011410	38.9%		23.5%		15.0%		16.1%		25.0%		12.0%								18.0%
PB011496	45.5%		22.6%		17.9%	0.0%	7.3%		6.3%		2.7%	0.0%	0.0%		0.0%				9.2%
PB011497	25.0%		19.4%	0.0%	14.6%	0.0%	2.6%	50.0%	9.3%	0.0%	3.9%			0.0%			0.0%		7.6%
PB011510	22.2%		32.4%		21.3%		12.2%		22.5%		4.6%								15.7%
PB011624	40.0%		20.7%		10.2%		11.4%		17.9%		4.5%	0.0%							12.6%
PB011626	20.0%	0.0%	7.7%	0.0%	12.3%	0.0%	7.2%	0.0%	7.5%	0.0%	1.5%	0.0%							6.8%
PB011627	23.1%		10.6%		12.3%	0.0%	10.7%	0.0%	16.3%		1.8%	0.0%		0.0%					10.0%
PB011721			0.0%		11.8%	0.0%	9.1%		26.7%		38.5%								20.3%
PB011806	37.5%		24.0%		21.4%		2.6%		21.5%		11.3%								16.3%
PB011808	22.7%		13.8%		11.3%		6.8%		11.1%		3.0%			0.0%	0.0%				8.3%
PB011927	29.2%		29.5%		9.0%		7.1%		16.0%		9.8%								12.9%
PB012030	23.1%		23.3%		16.4%		4.9%	0.0%	16.3%		4.6%	0.0%			0.0%				11.3%
PB012046	48.1%		24.4%	0.0%	13.2%		10.3%	0.0%	19.2%		1.4%		0.0%						14.2%
PB012088	7.7%		20.0%	0.0%	14.7%		11.8%		13.3%	0.0%	2.4%	0.0%							10.0%
PB012089			0.0%	0.0%	25.0%		0.0%	0.0%	12.5%	0.0%	0.0%	0.0%		0.0%					4.9%
PB012090	0.0%		100.0%																50.0%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB012091	32.3%		19.3%		17.0%		12.4%		16.8%		3.2%	0.0%							13.6%
PB012092	50.0%	100.0%	20.0%		21.1%	0.0%	21.4%	0.0%	36.4%	0.0%	10.3%	0.0%							23.4%
PB012165	20.0%		23.3%		19.6%		7.8%		16.4%		6.7%								13.1%
PB012166	17.6%		12.5%		9.2%		9.3%		11.5%		3.0%	0.0%							7.9%
PB012226	31.3%		16.7%	0.0%	15.8%		7.5%		17.2%	0.0%	4.3%	0.0%							11.4%
PB012247	38.9%		12.8%	100.0%	12.5%	0.0%	14.7%		19.8%		7.2%	0.0%		0.0%					14.1%
PB012252	33.3%		27.3%		30.6%		11.6%		28.9%		16.3%	100.0%							24.4%
PB012346	33.3%		11.6%		9.8%		13.3%		19.8%		5.5%								11.9%
PB012352	29.4%		13.5%		7.3%		15.7%		21.8%		5.7%								12.8%
PB012354	42.9%	0.0%	21.1%		13.5%		14.0%	0.0%	14.5%	0.0%	6.7%	0.0%							13.8%
PB012425	0.0%		0.0%	0.0%	0.0%	0.0%	16.7%	100.0%	12.5%	100.0%	7.1%	0.0%				0.0%			12.2%
PB012451	23.5%		12.8%		19.8%		4.9%		17.2%		5.1%	0.0%	0.0%				0.0%		13.0%
PB012486	20.0%		34.6%		15.8%	0.0%	10.0%	0.0%	12.1%	0.0%	5.0%	0.0%					0.0%		12.0%
PB012487	14.3%	0.0%	0.0%	0.0%	5.9%	0.0%	4.8%	50.0%	20.0%	25.0%	5.7%	0.0%							9.2%
PB012488	11.1%		13.3%	0.0%	7.7%	0.0%	4.4%	0.0%	3.4%	0.0%	2.5%	0.0%	0.0%	0.0%					4.3%
PB012600	27.3%	0.0%	12.1%		12.1%		10.0%		10.1%	0.0%	1.9%								8.7%
PB012617	20.0%		28.6%		13.7%		14.6%		20.0%		10.0%								15.7%
PB012668	57.1%		31.8%		17.3%		16.0%		25.0%		10.2%								18.0%
PB012690	55.6%		21.1%	0.0%	13.6%	0.0%	14.3%	25.0%	47.1%	0.0%	8.7%	0.0%	0.0%						18.8%
PB012696	23.5%		15.6%	0.0%	16.9%	0.0%	8.6%	0.0%	9.2%	0.0%	7.2%	0.0%		0.0%		0.0%			11.1%
PB012697	0.0%		19.2%		25.9%		14.3%		20.6%		8.1%								16.8%
PB012707	14.3%		15.0%		34.6%		20.0%		25.0%		0.0%	0.0%							20.4%
PB012709	16.7%		40.0%		12.0%		13.2%		28.3%		10.4%								18.5%
PB012711							0.0%			0.0%	0.0%								0.0%
PB012720			50.0%		0.0%	0.0%	0.0%	0.0%	9.1%		9.1%	0.0%		0.0%		0.0%			7.3%
PB012778	30.0%		17.6%		18.8%		16.7%		27.5%		8.2%								18.0%
PB012779	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	3.8%	0.0%	8.3%	0.0%	0.0%	0.0%		0.0%					2.8%
PB012780	0.0%		9.1%		10.3%	0.0%	5.1%		11.1%	0.0%	1.2%	100.0%	0.0%				0.0%		6.4%
PB012818	100.0%	100.0%	0.0%	0.0%	40.0%		40.0%		22.2%		0.0%	0.0%							22.9%
PB012859	0.0%		6.3%		8.5%		7.8%	0.0%	7.4%		1.4%	0.0%							5.6%
PB012963	37.5%		22.2%		28.6%		12.9%		30.2%		17.5%								23.2%
PB012964	0.0%		23.1%		31.3%	0.0%	18.2%		28.6%	0.0%	2.2%	0.0%		0.0%	0.0%				14.8%
PB012991	0.0%	0.0%	0.0%		15.0%		11.8%		12.0%		4.5%	0.0%							8.4%
PB013038	47.1%		21.7%		19.5%		10.0%		20.5%	0.0%	6.2%								16.1%
PB013105	0.0%		11.1%	25.0%	35.7%	0.0%	6.7%	0.0%	18.2%	14.3%	0.0%	0.0%					0.0%		12.9%
PB013106	0.0%		0.0%		0.0%		25.0%		0.0%	0.0%	11.1%	0.0%	0.0%						8.0%
PB013107	37.5%		12.5%		31.6%		26.5%		24.2%		13.5%								22.1%
PB013179	40.0%		24.1%		16.7%		4.9%		5.7%		5.3%								11.8%
PB013184	25.0%		17.2%		18.8%		4.8%		21.0%		3.1%								13.0%
PB013218	20.0%	100.0%	28.6%		0.0%	0.0%	11.5%		10.3%		0.0%								8.8%
PB013235	8.3%		10.8%		6.5%		10.9%		16.2%		3.2%								9.4%

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51.366 (a)(4) Initial Emissions Test Failure Rate by Model Year and Test Station

MAA_ST_ID	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	TOTAL
PB013303	0.0%		25.0%		20.0%		12.5%		35.7%		18.2%		0.0%						22.4%
PB013304	100.0%		11.1%		5.6%	0.0%	0.0%		5.9%	0.0%	6.3%	0.0%							6.3%
PB013319	25.0%		22.2%	0.0%	13.6%		9.1%		21.7%		6.5%	0.0%							14.6%
PB013381	50.0%		14.3%		12.0%		4.2%		25.8%		5.4%		0.0%						13.8%
PB013399	32.1%		20.8%		15.5%		10.2%	0.0%	13.8%		9.7%								14.5%
PB013400			0.0%		13.3%		0.0%		10.0%		0.0%								5.7%
PB013404	0.0%		0.0%		0.0%		0.0%	0.0%	30.8%		12.5%	0.0%							12.5%
PB013405	16.7%		20.0%	0.0%	10.0%	0.0%	11.1%	0.0%	20.0%	0.0%	4.5%	0.0%							11.5%
PB013406	0.0%		50.0%	33.3%	20.0%	0.0%	9.1%	0.0%	12.5%	0.0%	4.8%	0.0%							12.0%
PB013430	25.0%		12.5%		11.1%		10.0%		16.0%		2.9%								10.1%
PB013458			28.6%		30.0%		6.3%	100.0%	25.0%		27.8%								23.5%
PB013470					0.0%		25.0%	50.0%	50.0%		8.3%	0.0%							14.3%
PB013471	0.0%		33.3%	0.0%	22.2%	33.3%	18.8%	0.0%	20.0%		3.0%	25.0%							14.0%
PB013478	14.3%		40.0%		36.7%		22.6%	0.0%	26.7%		21.9%		100.0%						27.5%
PB013518	100.0%		0.0%	0.0%	0.0%	0.0%	42.9%		50.0%	50.0%	16.7%		0.0%						27.3%
PB013538	0.0%		100.0%		0.0%	0.0%	0.0%	100.0%	25.0%	0.0%	0.0%	0.0%					0.0%		13.0%
PB013569				0.0%					100.0%										33.3%
PB013588			50.0%		0.0%		0.0%		10.0%		18.2%								12.5%
PB013589							0.0%												0.0%
PB013758					0.0%	0.0%		100.0%	0.0%	0.0%	16.7%	100.0%							18.8%
PB013798					50.0%	0.0%	0.0%		0.0%		50.0%		0.0%						20.0%
PB013847		100.0%	100.0%		0.0%	0.0%	0.0%	0.0%	20.0%		16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.5%
PB013938			0.0%						50.0%		50.0%	0.0%							28.6%
PB013939			100.0%		0.0%	0.0%	0.0%		50.0%		0.0%	0.0%							12.5%
PB014208			0.0%		0.0%		50.0%		100.0%		0.0%								21.4%
PB014209	100.0%						0.0%	0.0%				0.0%							25.0%
PB014398	0.0%	0.0%	0.0%		0.0%		14.3%	0.0%	25.0%	0.0%	16.7%								11.1%
PB014503	0.0%		28.6%		0.0%		0.0%		0.0%		0.0%								3.2%
PB014505											0.0%								0.0%
PB014564			0.0%		50.0%		0.0%		50.0%		0.0%								15.4%
PB014580	0.0%	0.0%	2.9%	0.0%	2.7%	0.0%	1.8%	0.0%	0.4%	0.0%	0.8%	14.3%			0.0%	0.0%			1.4%