In an effort to improve its on-road testing program, as required by the Clean Air Act, Rhode Island has expanded its *voluntary* Remote OBD program for fleet vehicles. Rhode Island's testing contractor, Opus Inspection, has installed an additional 22 Remote OBD testing units in fleet vehicles bringing the total to 74 installed units in 2013. From January 1, 2013 to December 31, 2013, 15,415 onroad tests have been conducted on these vehicles using Remote OBD. Additional installations are planned for the coming year.

The program continues to yield significant benefits. The system is designed to notify the fleet operator whenever a diagnostic trouble code is stored in the onboard computer – even if that does not trigger a MIL on situation. As a result, the maintenance crew gets early notification that an emission related problem may be developing on a vehicle and can correct it before it blossoms into a full blown issue. In 2013, 28 vehicles were identified with problems, mostly before the MIL illuminated. The coolant thermostat problem identified last year continues to be an issue on some of these vehicles. 9 vehicles had the MIL commanded on and in 8 of these cases the thermostat was the problem. Two vehicles also reported a problem with the evaporative system loose gas cap) and one vehicle had a bad camshaft position circuit.

One of the major advantages of Remote OBD is it encourages quicker repairs than required by a periodic I/M program. There were a total of 14 MIL On events among the 9 vehicles that experienced problems in 2013. On average vehicles were repaired in less than two weeks after a MIL On event. Removing one vehicle that took a long time to repair, the average for the rest of the MIL On events to be repaired was 6 days. The median time to repair was less than three days. And this does not even take into consideration repairs that were made in advance of the MIL coming on. The fleet operator investigates whenever trouble codes appear and takes repair action as needed to address any emerging problems.

Thus, the Remote OBD program in Rhode Island is yielding significant air quality benefits compared to the standard period test program. Vehicles that experience MIL on events are repaired essentially immediately and vehicles experiencing problems are being diagnosed ahead of the problem reaching the MIL On stage. This means vehicles are being operated on the roads in a cleaner state than normal.

Link Activity
From 1/1/2013 To 12/31/2013

Link ID	Receiver ID	Tests
20006	0000890B	13
25169	0000890B	5
	FFFF0059	1010
25177	FFFF0059	6
25413	0000890B	111
	FFFF0059	11
25573	FFFF0059	7
25641	0000890B	2
25697	0000890B	1
	FFFF0059	15
25795	0000890B	61
	FFFF0059	13
25946	0000890B	7
26100	FFFF0059	23
30207	0000890B	654
	FFFF0059	26
30208	0000890B	1
30211	0000890B	81
	FFFF0059	3
30212	0000890B	141
	FFFF0059	9
30226	0000890B	153
30227	0000890B	33
	FFFF0059	688
30228	FFFF0059	9
30233	FFFF0059	4
30245	0000890B	492
	FFFF0059	13
30246	0000890B	515
	FFFF0059	20
30247	FFFF0059	36
30249	FFFF0059	21
30251	0000890B	515
	FFFF0059	9
30253	0000890B	474
	FFFF0059	6
30259	0000890B	134
	FFFF0059	302
30260	0000890B	32
	FFFF0059	5
30263	FFFF0059	13
30276	FFFF0059	93
30278	FFFF0059	1617
30281	0000890B	479
	FFFF0059	57

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Link Activity

From 1/1/2013 To 12/31/2013

30283	FFFF0059	314
30292	0000890B	291
	FFFF0059	24
30294	0000890B	556
30297	FFFF0059	1156
30298	FFFF0059	968
30299	0000890B	452
30310	FFFF0059	2233
30321	0000890B	459
	FFFF0059	14
30333	FFFF0059	470
30338	FFFF0059	6
30344	FFFF0059	1
30345	0000890B	1
	FFFF0059	43
30348	FFFF0059	8
30349	FFFF0059	43
4294901773	FFFF0059	7
4294901777	0000890B	315
	FFFF0059	4
4294901781	FFFF0059	8
4294901788	0000890B	37
	FFFF0059	3
4294901790	FFFF0059	4
4294901792	0000890B	11
	FFFF0059	37
4294901797	FFFF0059	12
4294901804	FFFF0059	4
4294901808	FFFF0059	14
74 TOTAL		**15415**

Rhode Island Vehicle Inspection Program

DTC History Summary

From 1/1/2013 To 12/31/2013

VIN	MIL	Code	Trouble Code Text	Matching Tests	Date of First DTC	Date of Last DTC	Date of Last Test
1G8ZH5280YZ240330							
	Y	P0341	Camshaft Position Sensor Circuit Range/Performance	1	6/25/2013 02:26:36 PM	6/25/2013 02:26:36 PM	6/25/2013 02:26:36 PM
	Y	P0442	Evaporative Emission Control System Leak Detected	1	6/25/2013 02:26:36 PM	6/25/2013 02:26:36 PM	6/25/2013 02:26:36 PM
1GCFG15X071220261							
	N	P0053		8	11/22/2013 05:52:52 AM	12/2/2013 06:09:49 AM	12/20/2013 01:01:02 PM
	N	P0054		8	11/22/2013 05:52:52 AM	12/2/2013 06:09:49 AM	12/20/2013 01:01:02 PM
	N	P0059		8	11/22/2013 05:52:52 AM	12/2/2013 06:09:49 AM	12/20/2013 01:01:02 PM
	N	P0060		8	11/22/2013 05:52:52 AM	12/2/2013 06:09:49 AM	12/20/2013 01:01:02 PM
	N	P0128	Coolant Thermostat - Coolant Temperature Below	187	4/8/2013 04:00:20 AM	11/21/2013 09:22:46 AM	12/20/2013 01:01:02 PM
1GCFG15X071220955							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	41	4/9/2013 04:01:58 AM	11/19/2013 06:09:14 AM	12/31/2013 06:02:51 AM
	N	P0449	Evaporative Emission Control System Vent	11	4/27/2013 01:02:25 PM	5/17/2013 06:37:18 AM	12/31/2013 06:02:51 AM
	N	P2A01		3	11/30/2013 05:52:03 AM	11/30/2013 01:39:11 PM	12/31/2013 06:02:51 AM
	N	P2A04		3	11/30/2013 05:52:03 AM	11/30/2013 01:39:11 PM	12/31/2013 06:02:51 AM
1GCFG15X171219720							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	2	10/23/2013 04:39:02 PM	10/24/2013 05:52:06 AM	11/19/2013 04:20:10 PM
1GCFG15X171220298							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	2	11/1/2013 04:58:25 PM	11/1/2013 04:58:26 PM	11/1/2013 04:58:26 PM
1GCFG15X171222049							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	14	4/22/2013 05:03:08 PM	12/4/2013 12:44:27 PM	12/31/2013 01:36:51 PM
	N	P0442	Evaporative Emission Control System Leak Detected	240	4/16/2013 11:54:22 AM	8/9/2013 06:01:51 AM	12/31/2013 01:36:51 PM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	1	4/15/2013 05:43:29 PM	4/15/2013 05:43:29 PM	12/31/2013 01:36:51 PM
	Y	P0442	Evaporative Emission Control System Leak Detected	7	4/9/2013 03:04:59 PM	4/16/2013 10:17:51 AM	12/31/2013 01:36:51 PM
1GCFG15X241124157							
	N	P0116	Engine Coolant Temperature Circuit	7	7/26/2013 06:31:42 PM	8/19/2013 01:29:37 PM	9/4/2013 04:15:49 PM
1GCFG15X271220200							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	4	4/8/2013 07:20:58 AM	4/8/2013 07:21:04 AM	4/8/2013 07:21:04 AM
1GCFG15X371218665							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	589	1/2/2013 06:11:15 AM	5/6/2013 05:34:37 PM	7/19/2013 06:21:31 AM
1GCFG15X371219752							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	1	4/6/2013 11:03:46 AM	4/6/2013 11:03:46 AM	12/26/2013 02:13:35 PM
	N	P0174	System too Lean (Bank 2)	1	5/31/2013 05:10:49 PM	5/31/2013 05:10:49 PM	12/26/2013 02:13:35 PM
	N	P0455	Evaporative Emission Control System Leak Detected	2	10/16/2013 05:08:37 PM	10/17/2013 05:55:45 AM	12/26/2013 02:13:35 PM
	N	P2A04		5	7/9/2013 05:17:57 PM	8/27/2013 05:02:14 PM	12/26/2013 02:13:35 PM
1GCFG15X471220621							
	N	P0116	Engine Coolant Temperature Circuit	223	4/12/2013 04:22:27 PM	12/14/2013 01:15:56 PM	12/31/2013 01:30:17 PM
	N	P0128	Coolant Thermostat - Coolant Temperature Below	257	4/5/2013 11:42:43 AM	12/7/2013 05:53:02 AM	12/31/2013 01:30:17 PM
	Y	P0116	Engine Coolant Temperature Circuit	8	5/1/2013 06:29:52 AM	5/3/2013 06:09:30 AM	12/31/2013 01:30:17 PM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	18	5/1/2013 06:29:52 AM	9/19/2013 05:31:29 PM	12/31/2013 01:30:17 PM
1GCFG15X471221073							

Rhode Island
Vehicle Inspection Program

DTC History Summary

From 1/1/2013 To 12/31/2013

	N	P0128	Coolant Thermostat - Coolant Temperature Below	137	4/18/2013 06:51:41 AM	11/14/2013 07:00:44 PM	12/31/2013 02:53:09 PM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	11	5/18/2013 06:32:53 AM	5/21/2013 07:46:05 AM	12/31/2013 02:53:09 PM
1GCFG15X471221560							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	1270	1/8/2013 12:44:44 PM	5/29/2013 03:33:06 PM	12/21/2013 08:50:35 AM
1GCFG15X571217050							
	N	P0116	Engine Coolant Temperature Circuit	2	1/10/2013 02:49:34 PM	1/10/2013 02:49:36 PM	2/11/2013 09:13:44 AM
	N	P0455	Evaporative Emission Control System Leak Detected	178	1/2/2013 02:37:19 PM	2/11/2013 09:13:44 AM	2/11/2013 09:13:44 AM
1GCFG15X571217811							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	485	1/6/2013 08:36:09 AM	12/31/2013 01:34:09 PM	12/31/2013 01:34:09 PM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	51	5/3/2013 03:27:34 PM	10/30/2013 05:30:02 PM	12/31/2013 01:34:09 PM
1GCFG15X571220563							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	147	2/13/2013 07:42:54 AM	8/8/2013 05:55:31 AM	8/20/2013 05:56:58 AM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	11	4/26/2013 01:24:44 PM	5/3/2013 06:39:15 AM	8/20/2013 05:56:58 AM
1GCFG15X571220921							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	1	1/7/2013 06:23:41 AM	1/7/2013 06:23:41 AM	12/27/2013 01:45:07 PM
1GCFG15X671219583							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	17	4/17/2013 11:16:15 AM	5/20/2013 10:32:20 AM	12/23/2013 09:58:04 AM
	N	P0506	Idle Control System RPM Lower Than Expected	1	6/11/2013 10:36:08 AM	6/11/2013 10:36:08 AM	12/23/2013 09:58:04 AM
1GCFG15X771220502							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	51	4/9/2013 03:58:08 AM	11/6/2013 05:53:55 AM	11/6/2013 05:53:55 AM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	3	5/10/2013 02:19:45 PM	5/11/2013 06:07:00 AM	11/6/2013 05:53:55 AM
1GCFG15X871221013							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	231	4/9/2013 11:58:37 AM	12/27/2013 01:25:34 PM	12/27/2013 01:25:34 PM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	12	10/30/2013 12:50:56 PM	12/7/2013 01:06:13 PM	12/27/2013 01:25:34 PM
1GCFG15X971221876							
	N	P0430	Catalyst System Efficiency Below Threshold (Bank 2)	5	3/8/2013 01:13:13 PM	3/11/2013 10:35:07 AM	4/17/2013 07:56:17 AM
1GCFG15XX41124374							
	N	P0102	Mass or Volume Air Flow Circuit Low Input	52	8/16/2013 01:43:12 PM	8/16/2013 02:30:58 PM	12/13/2013 07:46:23 AM
1GCFG15XX71220753							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	357	2/11/2013 02:58:19 PM	6/12/2013 05:17:06 AM	8/2/2013 07:05:52 PM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	18	2/1/2013 10:49:54 AM	4/22/2013 05:20:33 AM	8/2/2013 07:05:52 PM
1GCFG15XX71220977							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	271	4/22/2013 02:26:02 PM	12/27/2013 01:24:35 PM	12/27/2013 01:24:35 PM
	Y	P0128	Coolant Thermostat - Coolant Temperature Below	3	8/5/2013 01:26:49 PM	11/12/2013 03:56:59 PM	12/27/2013 01:24:35 PM
1GTEC14X28Z277864							
	N	P0128	Coolant Thermostat - Coolant Temperature Below	3	2/19/2013 11:05:17 AM	2/19/2013 11:08:56 AM	6/17/2013 07:58:08 AM
1GTEK14X98Z274818							
	N	P2270		2	4/5/2013 10:09:34 AM	4/24/2013 07:27:23 AM	4/24/2013 07:27:23 AM
	N	P2271		2	4/5/2013 10:09:34 AM	4/24/2013 07:27:23 AM	4/24/2013 07:27:23 AM

MIL Events

VIN	Key Date Time	MIL
1B3ES26C84D627025		
	2/15/2013 11:11:43 AM	N
	2/15/2013 11:20:01 AM	N
1B3ES26C94D525183		
	5/3/2013 05:16:58 PM	N
	5/3/2013 05:17:02 PM	N
1B4GP25322B662837		
	1/2/2013 08:56:16 AM	N
	3/5/2013 11:19:25 AM	N
1G1JC5241X7265450		
	1/9/2013 11:34:14 AM	N
	8/16/2013 07:23:01 AM	N
1G1JC5242X7266039		
	2/15/2013 11:49:20 AM	N
	2/15/2013 11:55:06 AM	N
1G1JC5245X7267122		
	3/7/2013 05:30:47 PM	N
	6/6/2013 04:52:59 PM	N
1G1JC524XX7263521		
	1/16/2013 06:52:55 PM	N
	1/29/2013 08:17:34 AM	N
1G8ZH5280YZ240330		
	6/25/2013 02:26:36 PM	Y
1G8ZH5280YZ240666		
	2/14/2013 02:34:33 PM	N
	2/14/2013 05:01:56 PM	N
1GCFG15X071220261		
	4/8/2013 04:00:20 AM	N
	12/20/2013 01:01:02 PM	N
1GCFG15X071220955		
	4/9/2013 04:01:58 AM	N
	12/30/2013 03:40:22 PM	N
1GCFG15X171218230		
	1/2/2013 05:55:06 AM	N
	12/23/2013 01:12:37 PM	N
1GCFG15X171219720		
	10/11/2013 12:09:21 PM	N
	11/19/2013 04:20:10 PM	N
1GCFG15X171220298		
	1/2/2013 10:55:52 AM	N
	11/1/2013 04:58:26 PM	N
1GCFG15X171220768		
	1/2/2013 07:53:17 AM	N
	1/4/2013 10:33:25 AM	N
1GCFG15X171222049		
	4/9/2013 03:04:59 PM	Y
	4/16/2013 10:17:51 AM	Y
	4/16/2013 11:54:22 AM	N
	12/30/2013 03:23:25 PM	N
1GCFG15X241124157		

	1/8/2013 06:45:17 AM	N
	9/4/2013 04:15:49 PM	N
1GCFG15X271220200		
	4/8/2013 07:20:58 AM	N
	4/8/2013 07:21:04 AM	N
1GCFG15X371218665		
	1/2/2013 06:11:15 AM	N
	7/19/2013 06:21:31 AM	N
1GCFG15X371219752		
	4/6/2013 11:03:46 AM	N
	12/26/2013 02:13:35 PM	N
1GCFG15X471220621		
	4/5/2013 11:42:43 AM	N
	4/30/2013 05:58:07 AM	N
	5/1/2013 06:29:52 AM	Y
	5/3/2013 06:09:30 AM	Y
	5/3/2013 01:33:52 PM	N
	9/17/2013 08:18:21 PM	N
	9/19/2013 05:58:58 AM	Y
	9/19/2013 05:31:29 PM	Y
	9/19/2013 05:36:25 PM	N
	12/30/2013 01:39:16 PM	N
1GCFG15X471221073		
	4/12/2013 01:55:46 PM	N
	5/14/2013 09:08:02 AM	N
	5/18/2013 06:32:53 AM	Y
	5/21/2013 07:46:05 AM	Y
	5/21/2013 02:28:44 PM	N
	12/27/2013 03:52:59 PM	N
1GCFG15X471221560		
	1/8/2013 12:44:44 PM	N
	12/21/2013 08:50:35 AM	N
1GCFG15X571217050		
	1/2/2013 02:37:19 PM	N
	2/11/2013 09:13:44 AM	N
1GCFG15X571217811		
	1/6/2013 08:36:09 AM	N
	4/29/2013 06:01:46 AM	N
	5/3/2013 03:27:34 PM	Y
	5/14/2013 06:03:18 AM	Y
	5/16/2013 02:56:48 PM	N
	9/27/2013 06:00:23 AM	N
	10/14/2013 03:27:09 PM	Y
	10/30/2013 05:30:02 PM	Y
	10/31/2013 06:03:09 AM	N
	12/28/2013 12:54:28 PM	N
1GCFG15X571220563		
	2/13/2013 07:42:54 AM	N
	4/25/2013 03:22:31 PM	N
	4/26/2013 01:24:44 PM	Y
	5/3/2013 06:39:15 AM	Y
	5/3/2013 08:05:10 AM	N
	8/20/2013 05:56:58 AM	N

1GCFG15X571220921		
	1/7/2013 06:23:41 AM	N
	12/27/2013 01:45:07 PM	N
1GCFG15X671219583		
	4/15/2013 10:54:55 AM	N
	11/6/2013 05:53:55 AM	N
1GCFG15X871221013		
	4/9/2013 11:58:37 AM	N
	12/4/2013 05:57:38 AM	N
	12/6/2013 05:59:09 AM	Y
	12/7/2013 01:06:13 PM	Y
	12/7/2013 01:10:22 PM	N
	12/27/2013 01:25:34 PM	N
1GCFG15X971221876		
	1/2/2013 06:27:49 AM	N
	12/13/2013 07:46:23 AM	N
1GCFG15XX71220753		
	2/1/2013 10:49:54 AM	Y
	2/1/2013 11:27:43 AM	Y
	2/11/2013 02:58:19 PM	N
	4/4/2013 05:36:11 AM	N
	4/8/2013 01:20:04 PM	Y
	4/9/2013 05:29:13 AM	Y
	4/10/2013 10:29:57 AM	N
	4/15/2013 05:15:45 AM	N
	4/19/2013 01:06:03 PM	Y
	4/22/2013 05:20:33 AM	Y
	4/22/2013 12:54:47 PM	N
	8/2/2013 07:05:52 PM	N
1GCFG15XX71220798		
	6/3/2013 06:14:26 AM	N
	6/4/2013 07:37:16 AM	N
1GCFG15XX71220977		
	4/5/2013 02:40:14 PM	N
	8/5/2013 06:13:30 AM	N
	8/5/2013 01:26:49 PM	Y
	8/6/2013 06:02:18 AM	Y
	11/11/2013 05:57:30 AM	N
	11/12/2013 03:56:59 PM	Y
	11/13/2013 06:59:04 AM	N
	12/27/2013 01:24:35 PM	N
1GTEC14X28Z277864		
	1/29/2013 10:13:50 AM	N
	6/17/2013 07:58:08 AM	N
1GTEC14X58Z276594		
	6/28/2013 11:49:04 AM	N
	7/11/2013 09:29:05 AM	N
1GTEC14X58Z279513		
	1/10/2013 04:26:02 PM	N
	6/27/2013 10:25:21 AM	N
1GTEC14X68Z278077		
	2/11/2013 06:59:23 AM	N
	6/21/2013 09:05:08 AM	N

1GTEC14X78Z276449		
	1/9/2013 12:49:56 PM	N
	12/30/2013 06:00:28 PM	N
1GTEK14X98Z274818		
	4/5/2013 10:09:34 AM	N
	4/24/2013 07:27:23 AM	N

Rhode Island Vehicle Inspection Program

Active Trouble Codes

From 1/1/2013 To 12/31/2013

VIN	Vehicle Number	Matching Tests	Link ID	MIL	Code	Trouble Code Text
		7	25573	N	P2270	
1B4GP25322B662837	**1124333**					
		10	30333	N	P0304	Cylinder 4 Misfire Detected
1G1JC5241X7265450	**9390862**					
		19	30345	N	P0325	Knock Sensor 1 Circuit Malfunction (Bank 1 or
1G8ZH5280YZ240330	**9300283**					
		1	30344	Y	P0341	Camshaft Position Sensor Circuit
		1	30344	Y	P0442	Evaporative Emission Control System Leak Detected
1GCFG15X071220261	**110733041**					
		8	30321	N	P0053	
		8	30321	N	P0054	
		8	30321	N	P0059	
		8	30321	N	P0060	
		187	30321	N	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X071220955	**110733040**					
		41	4294901777	N	P0128	Coolant Thermostat - Coolant Temperature Below
		11	4294901777	N	P0449	Evaporative Emission Control System Vent
		3	4294901777	N	P2A01	
		3	4294901777	N	P2A04	
1GCFG15X171219720	**110733048**					
		2	4294901788	N	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X171220298	**110732960**					
		2	4294901808	N	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X171222049	**110732965**					
		14	30294	N	P0128	Coolant Thermostat - Coolant Temperature Below
		1	30294	Y	P0128	Coolant Thermostat - Coolant Temperature Below
		240	30294	N	P0442	Evaporative Emission Control System Leak Detected
		7	30294	Y	P0442	Evaporative Emission Control System Leak Detected
1GCFG15X241124157	**110430017**					
		7	30227	N	P0116	Engine Coolant Temperature Circuit
1GCFG15X271220200	**110733050**					
		4	4294901790	N	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X371218665	**110733028**					
		589	30297	N	P0128	Coolant Thermostat - Coolant Temperature Below

Rhode Island Vehicle Inspection Program

SysTech International

Active Trouble Codes

From 1/1/2013 To 12/31/2013

1GCFG15X371219752	110732941					
		1	30299	N	P0128	Coolant Thermostat - Coolant Temperature Below
		1	30299	N	P0174	System too Lean (Bank 2)
		2	30299	N	P0455	Evaporative Emission Control System Leak Detected
		5	30299	N	P2A04	
1GCFG15X471220621	110732963					
		223	30207	N	P0116	Engine Coolant Temperature Circuit
		8	30207	Y	P0116	Engine Coolant Temperature Circuit
		257	30207	N	P0128	Coolant Thermostat - Coolant Temperature Below
		18	30207	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X471221073	110733057					
		137	30246	N	P0128	Coolant Thermostat - Coolant Temperature Below
		11	30246	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X471221560	110733045					
		1270	30310	N	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X571217050	110733024					
		2	30283	N	P0116	Engine Coolant Temperature Circuit
		178	30283	N	P0455	Evaporative Emission Control System Leak Detected
1GCFG15X571217811	110732926					
		485	30281	N	P0128	Coolant Thermostat - Coolant Temperature Below
		51	30281	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X571220563	110732957					
		147	30292	N	P0128	Coolant Thermostat - Coolant Temperature Below
		11	30292	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X571220921	110732967					
		1	30245	N	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X671219583	110732934					
		17	30212	N	P0128	Coolant Thermostat - Coolant Temperature Below
		1	30212	N	P0506	Idle Control System RPM Lower Than Expected
1GCFG15X771220502	110733042					
		51	30211	N	P0128	Coolant Thermostat - Coolant Temperature Below
		3	30211	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X871221013	110732977					
		231	30251	N	P0128	Coolant Thermostat - Coolant Temperature Below
		12	30251	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15X971221876	110732976					
		5	30276	N	P0430	Catalyst System Efficiency Below Threshold (Bank

Rhode Island Vehicle Inspection Program

Active Trouble Codes

From 1/1/2013 To 12/31/2013

1GCFG15XX41124374	**110430019**					
		52	30259	N	P0102	Mass or Volume Air Flow Circuit Low Input
1GCFG15XX71220753	**110733039**					
		357	30298	N	P0128	Coolant Thermostat - Coolant Temperature Below
		18	30298	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GCFG15XX71220977	**110732970**					
		271	30253	N	P0128	Coolant Thermostat - Coolant Temperature Below
		3	30253	Y	P0128	Coolant Thermostat - Coolant Temperature Below
1GTEC14X28Z277864	**100830070**					
		3	26100	N	P0128	Coolant Thermostat - Coolant Temperature Below
1GTEK14X98Z274818	**100830076**					
		2	25641	N	P2270	
		2	25641	N	P2271	