



RepairCare

...a publication for automotive repair technicians in the Maryland Vehicle Emissions Inspection Program

Published by the Maryland Department of the Environment

May 2018

Top 10 DTCs for vehicles failing VEIP testing in 2017 are:

Rank	DTC	Number	Definition
1	P0420	19,271	Catalyst System Efficiency Below Threshold (Bank 1)
2	P0171	9,998	System Too Lean (Bank 1)
3	P0300	7,414	Random/Multiple Cylinder Misfire Detected
4	P0455	7,411	Evaporative Emissions Control System Leak Detected (large leak)
5	P0442	6,846	Evaporative Emissions Control System Leak Detected (small leak)
6	P0430	6,653	Catalyst System Efficiency Below Threshold (Bank 2)
7	P0174	5,577	System Too Lean (Bank 2)
8	P0446	4,568	Evaporative Emissions Control System Vent Control (circuit malfunction)
9	P0456	4,452	Evaporative Emissions Control System Leak Detected (very small leak)
10	P0128	4,363	Coolant Thermostat (Coolant Temperature Below Thermostat Regulating Temperature)

Other 2017 VEIP Statistics

Initial OBD Tests...1,530,640
 Failures 110,445
 Not Ready 60,372

Initial Idle Tests.....53,478
 Failures 6,876

Total Initial Tests..1,584,118
 Failures 117,321



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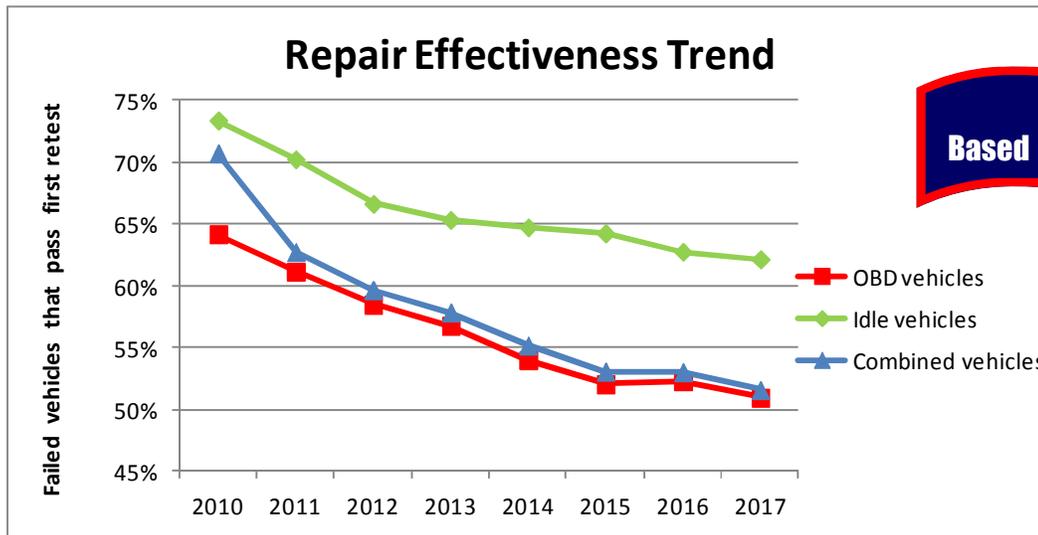
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2017 VEIP Repair Effectiveness Statistics

<i>First OBD Retests (after failure).....82,765</i>	
<i>Pass</i>	<i>43,271 (52%)</i>
<i>Fail</i>	<i>39,494 (48%)</i>

<i>First Idle Retests (after failure).....6,013</i>	
<i>Pass</i>	<i>3,768 (63%)</i>
<i>Fail</i>	<i>2,245 (37%)</i>



VEIP Regulatory Reform Recap

As of January 1, 2018, VEIP is no longer testing pre-1996 model year light duty vehicles (8,500 lbs and under). The idle test, including the gas cap leak test, continues to be conducted on 1977 to 2007 vehicles 8,501 to 14,000 lbs and 1977 and newer vehicles 14,001 to 26,000 lbs.

Also, the initial VEIP inspection for new vehicles has been delayed from two years to three years as a result of the regulatory reforms.



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