

Beginning January 1, 2010 diesel-powered vehicles will be incorporated into the Smog Check program. The diesel inspection will include a visual, OBD, and visible smoke test. A portion of the diesel visual test is checking for **non**-California Air Resources Board (CARB) approved emission related aftermarket parts. In general, Modified and Add-on parts require CARB exemption through an Executive Order (EO).

“Modified part” means any aftermarket part intended to replace an original equipment emission-related part which is not functionally identical to the original equipment part in all respects which in any way affect emissions, excluding consolidated parts. Examples include: aftermarket performance engine control unit reprogrammers, fuel injection components, and turbochargers. California Code of Regulations (CCR) Title 13 1900 (b) (13)

“Add-on part” means aftermarket part which is not a modified part or a replacement part. For the purposes of a Smog Check inspection, add-on parts that could adversely affect the effectiveness of the vehicle’s emission controls must have a CARB exemption. Examples include: Inline programmers, nitrous oxide kits, and propane kits. California Code of Regulations (CCR) Title 13 1900 (b) (1)

California Vehicle Code (VC) section 27156, in part, prohibits modifications to emission control devices or systems without CARB exemption. For the Smog Check inspection, not all parts that require CARB exemption will be verified during the inspection. Some minor changes to emission control systems may be acceptable. Below is a brief reference table “Diesel Aftermarket Parts Quick Reference” of the acceptable Smog Check diesel components. More details and specifics regarding what components must be inspected can be found in Appendix G “Aftermarket Parts Verification Guidelines” in the “Smog Check Reference Guide” which can be found at [http://www.bar.ca.gov/80\\_BARResources/02\\_SmogCheck/Industry/Smog\\_Check\\_Guide.html](http://www.bar.ca.gov/80_BARResources/02_SmogCheck/Industry/Smog_Check_Guide.html).

The CARB EO listings and additional information can be found on the CARB website at <http://www.arb.ca.gov/msprog/aftermkt/aftermkt.htm>, or by calling CARB at (800) 242-4450.

# Quick Reference Guide

## Aftermarket Parts for Diesel-Powered Vehicles<sup>1</sup>.

System	Component	No Verification of CARB EO Required During Inspection <sup>2</sup>	Requires Verification of CARB EO During Inspection <sup>3</sup>
<b>Computer Management</b>	Variable or Alternate Tuning Devices - “Power Modules,” “PROMs,” “Chips,” “Tuners,” “Pods,” “Power Modules” or any device that modifies inputs or outputs to the ECU (including “inline” devices that plug into the ECU, wiring harness, or the OBD connector, signal conditioners)		X
<b>Induction System</b>	Air Cleaners	X	
	“Air Horn” Intakes	X	
	Intake Manifolds (modifications)		X
	Air Flow Sensor (modifications)		X
	EGR/CDR system (modifications)		X
	Turbochargers (add-on or modified parts including all related controls, i.e. waste gates, compressors).		X
	Intercoolers (modifications)		X
<b>Fuel System</b>	Supercharger		X
	Auxiliary Fuel Tank(s)	X	
	Injectors (modifications)		X
	Injection Pump (modifications)		X
	Fuel Pump - Lift pump	X	
	Added Fuel Filters / Separators	X	
	Added or Alternative Fuel Modifications		X
<b>Exhaust System</b>	Added or Alternate Injection Modifications Including: Propane, Methanol, Hydrogen, Nitrous Oxide.		X
	Exhaust Gas Aftertreatment Controls: catalysts, traps, filters, sensors, dosing systems, etc. (modifications)		X
	General Exhaust System Changes For Vehicles Not Equipped With Aftertreatment Emission Controls (must have provisions for any stock sensors and/or emission control components).	X	
	Exhaust System Changes. Changes After The Last Emission Control Component, “CAT Back”.	X	
	Exhaust Brake Systems	X	

**Notes:**

<sup>1</sup> For more details and a comprehensive list of equipment and criteria that cause a Smog Check failure, please reference Appendix G of the Smog Check Reference Manual.

<sup>2</sup> CARB may require an EO for these parts to be legal for sale or use but inspection and verification of the EO is not required during a Smog Check inspection.

<sup>3</sup> Replacement parts, as defined in the start of Appendix G, do not require an EO. However, add-on or modified parts, as defined in Appendix G, do require an EO and they must be verified during a Smog Check inspection.