

State of California
AIR RESOURCES BOARD

**CALIFORNIA EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR
2004 AND SUBSEQUENT MODEL
HEAVY-DUTY OTTO-CYCLE ENGINES**

Adopted: December 27, 2000
Amended: December 12, 2002
Amended: July 26, 2007

NOTE: Proposed amendments in this document are printed in a style to indicate changes from existing provisions (December 12, 2002, amendments.) All existing language is indicated by plain type. All additions to the existing language are indicated by underline. All deletions to the existing language are indicated by strikeout. Only those portions of the existing language containing the proposed modifications are included. All other portions remain unchanged and are indicated by the symbol “* * * * *” for reference. A complete set of the test procedures, amended on December 12, 2002, is available at http://www.arb.ca.gov/msprog/onroadhd/hdoetps_levhdg02_clean_11-14.pdf.

NOTE: This document is incorporated by reference in section 1956.8(d), title 13, California Code of Regulations (“CCR”) and also incorporates by reference various sections of Title 40, Part 86 of the Code of Federal Regulations, with some modifications. It contains the majority of the requirements necessary for certification of heavy-duty Otto-cycle engines for sale in California, in addition to containing the exhaust emissions standards and test procedures for these Otto-cycle engines.¹ The section numbering conventions for this document are set forth in subparagraph 4 on page 4. Reference is also made in this document to other California-specific requirements that are necessary to complete an application for certification. These other documents are designed to be used in conjunction with this document. They include:

1. “California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles” (incorporated by reference in section 1976, title 13, CCR).
2. Warranty requirements (sections 2035, et seq., title 13, CCR).
3. OBDII (section 1968, et seq., title 13, CCR, as applicable).

CALIFORNIA EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR 2004 AND SUBSEQUENT MODEL HEAVY-DUTY OTTO-CYCLE ENGINES

The following provisions of Subparts A, N, and P, Part 86, Title 40, Code of Federal Regulations (“CFR”), as adopted or amended by the U.S. Environmental Protection Agency on the date set forth next to the 40 CFR Part 86 section listed below, and only to the extent they pertain to the testing and compliance of exhaust emissions from heavy-duty Otto-cycle engines, are adopted and incorporated herein by this reference as the “California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Otto-Cycle Engines,” with the following exceptions and additions.

¹ The requirements for Otto-cycle engines used in complete vehicles up to 14,000 pounds GVW are contained in the “California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles,” incorporated by reference in §1961(d), title 13, CCR.

**Part I. GENERAL PROVISIONS FOR CERTIFICATION AND IN-USE
VERIFICATION OF EMISSIONS**

**Subpart A - General Provisions for Emission Regulations for 1977 and Later
Model Year New Light-Duty Vehicles, Light-Duty Trucks and Heavy-Duty Engines,
and for 1985 and Later Model Year New Gasoline-Fueled, Natural Gas-Fueled,
Liquefied Petroleum Gas-Fueled and Methanol-Fueled Heavy Duty Vehicles**

1. General Applicability. [§86.xxx-1]

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35. Labeling. [§86.xxx-35]

A. Federal provisions.

1. §86.001-35. April 6, 1994.

1.1 Add the following sentence to the introductory paragraph: The labeling requirements of this section shall apply to all new motor vehicle engines certified according to the provisions of California Health and Safety Code Section 43100.

2. §86.007-35. ~~January 18, 2004~~ August 30, 2006. [No change, except as noted above for §86.001-35.]

B. California Provisions

1. For 2004 through 2007 model year engines certified to the optional standards in §86.005-10(f) the following statement shall also be printed on the label, "This engine conforms to the California ULEV standards applicable to 20XX model year Heavy-Duty Otto-Cycle Engines."

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