

State of California
AIR RESOURCES BOARD

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

Adopted: December 12, 2002
Amended: July 24, 2003
Amended: September 1, 2006
Amended: July 26, 2007
Amended: October 17, 2007
Amended: October 14, 2008

NOTE: The amendments in this document are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions compared to the test procedures as adopted by the Board. Existing intervening test procedures that are not amended are indicated by “* * * * *”. A complete set of the test procedures, as amended on October 17, 2007, is available at <http://www.arb.ca.gov/msprog/onroadhd/onroadhd.htm>

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HEAVY-DUTY DIESEL ENGINES AND VEHICLES**

The following provisions of Subparts A, I, N, S, and T, Part 86, and of Subparts A through K, Part 1065, Title 40, Code of Federal Regulations, 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 diesel engines and vehicles, are adopted and incorporated herein by this reference as the "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles," except as altered or replaced by the provisions set forth below.

**PART 86 – CONTROL OF EMISSIONS FROM NEW AND IN-USE HIGHWAY
VEHICLES AND ENGINES**

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

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II. TEST PROCEDURES

**Subpart I - Emission Regulations for New Diesel-Fueled Heavy-Duty Engines;
Smoke Exhaust Test Procedure**

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**Subpart N - Emission Regulations for New Otto-Cycle and Diesel Heavy-Duty
Engines; Gaseous and Particulate Exhaust Test Procedures**

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**Subpart S – General Compliance Provisions for Control of Air Pollution From New
and In-Use Light-Duty Vehicles, Light-Duty Trucks, and Complete Otto-Cycle
Heavy-Duty Vehicles.**

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Subpart T - Manufacturer-Run In-Use Testing Program for Heavy-Duty Diesel Engines

86.1901 What testing requirements apply to my engines that have gone into service?
June 14, 2005.

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86.1905 How does this program work? ~~June 14, 2005~~ March 13, 2008.

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86.1912 How do I determine whether an engine meets the vehicle-pass criteria?
~~June 14, 2005~~ March 13, 2008.

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86.1930 What special provisions apply from 2005 through ~~2007~~ 2009?
~~June 14, 2005~~ March 13, 2008.

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86.1935 What special provisions may apply as a consequence of a delay in the
particulate matter accuracy margin report for portables emission measurement
systems? ~~June 14, 2005~~ March 13, 2008.

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Appendix I to Part 86 - Urban Dynamometer Schedules.

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Appendix I to Subpart T – Sample Graphical Summary of NTE Emission Results

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PART 1065 – ENGINE-TESTING PROCEDURES.

Subpart A – Applicability and General Provisions

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Subpart B – Equipment Specifications

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Subpart C – Measurement Instruments

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Subpart D – Calibrations and Verifications

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Subpart E – Engine Selection, Preparation, and Maintenance

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Subpart F – Performing an Emission Test in the Laboratory

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Subpart G – Calculations and Data Requirements

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Subpart H – Engine Fluids, Test Fuels, Analytical Gases and Other Calibration Standards

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Subpart I – Testing with Oxygenated Fuels

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Subpart J – Field Testing and Portable Emission Measurement Systems

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Subpart K – Definitions and Other Reference Information

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