

PART 12

FINAL REGULATION ORDER TEST PROCEDURES

Large Spark-Ignition Engines

(2007 and Later Model Years; Part 1065/1068)

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FINAL REGULATION ORDER TEST PROCEDURES

Note: This document incorporates by reference 40 Code of Federal Regulations (CFR) Part 1065 – Engine-Testing Procedures, Subparts A, B, C, D, E, F, G, H, I, J, and K, as amended July 13, 2005, 40 CFR Part 1068, Subparts A, B, C, D, E, F, and G, including Appendix A to Subpart E and Appendix I and II to part 1068, as amended July 13, 2005, and the internally referenced subparts of 40 CFR Part 85, 40 CFR Part 86, and 40 CFR Part 1048. These amendments are formatted in a style to indicate changes from the existing test procedures. All existing language is indicated by plain type. All additions to the existing language are indicated by underlined type. All deletions to the existing language are indicated by ~~strikeout~~. Only those sections containing the modifications from the existing language are included. All other portions remain unchanged and are indicated by the notation [* * * * *] for reference. If there is any conflict between the provisions of this document and the California Health and Safety Code, Division 26, or Title 13 of the California Code of Regulations (CCR), the Health and Safety Code and Title 13 apply.

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State of California

AIR RESOURCES BOARD

CALIFORNIA EXHAUST AND EVAPORATIVE EMISSION STANDARDS
AND TEST PROCEDURES FOR NEW 2007 AND LATER OFF-ROAD LARGE
SPARK-IGNITION ENGINES

(Test Procedures 1065 and 1068)

Adopted: March 2, 2007

Amended: October 25, 2012

CALIFORNIA EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR NEW 2007 AND LATER OFF-ROAD LARGE SPARK-IGNITION ENGINES

The following provisions of Part 1065, and Part 1068, Title 40, Code of Federal Regulations, as proposed by the United States Environmental Protection Agency on the date listed, are adopted and incorporated herein by this reference for 2007 model year and later off-road large spark-ignition engines as the California Exhaust Emission Standards and Test Procedures for New 2007 and Later Off-Road Large Spark-Ignition Engines, except as altered or replaced by the provisions set forth below.

PART 1065 – ENGINE-TESTING PROCEDURES

SOURCE: 70 FR 40516, July 13, 2005, unless otherwise noted.

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

§ 1065.701 General requirements for test fuels.

(a) (1) Except as allowed in (2), if the engine is a gasoline-fueled large spark-ignition engine, then the test fuel used shall be consistent with the fuel specifications as outlined in the “California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles,” as adopted August 5, 1999, and last amended August 4, 2005, and incorporated by reference herein. The California fuel specifications are contained in the California Code of Regulations, Title 13, Chapter 5, Article 1, Sections 2260-2272. If the engine is tested using the U.S. EPA test fuel, consistent with the fuel specifications as outlined in Title 40 Code of Federal Register, Part 1065, subpart H, the manufacturer shall demonstrate that the emission test results complies with these Test Procedures.

(2) For 2013-2019 model-year gasoline-fueled, large spark-ignition engines, the manufacturer has the option to use the fuel specified in (a)(3).

(3) For 2020 and later gasoline-fueled, large spark-ignition engines: The certification test fuel for exhaust emission testing must be consistent with the fuel specifications as outlined in title 13, section 1961.2 and the “California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles,” adopted <insert adoption date>, and incorporated by reference herein. The test fuel specifications should remain consistent from batch to batch. Optionally, manufacturers may use other renewable fuel blends under this paragraph that have been certified by ARB as yielding

test results equivalent, or more stringent than, those resulting from the fuel specified by 13 CCR 1961.2, and which are appropriate for the certification of large spark-ignition engines.

(2)(4) If the engine is not a gasoline-fueled large spark-ignition engine, then the test fuel used shall be consistent with the fuel specifications as outlined in the "California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium- Duty Vehicles," as adopted August 5, 1999, and last amended August 4, 2005, and incorporated by reference herein. The California fuel specifications are contained in the California Code of Regulations, Title 13, Chapter 5, Article 3, Sections 2290-2293.5. If the engine is tested using the U.S. EPA test fuel, consistent with the fuel specifications as outlined in Title 40 Code of Federal Register, Part 1065, subpart H, the manufacturer shall demonstrate that the emission test results complies with these Test Procedures.

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§ 1065.710 Gasoline.

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(b) Up to and including the 2012 model year, there are two grades of gasoline specified for use as a test fuel. If the standard-setting part requires testing with fuel appropriate for low temperatures, use the test fuel specified for low-temperature testing. Otherwise, use the test fuel specified for general testing. The two grades are specified in Table 1 of this section.

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