

PART 11

FINAL REGULATION ORDER

**In-Use Compliance Requirements
for Retrofits of Large Spark-Ignition Engines**

Title 13

California Code of Regulations

Sections 2783 and 2784

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FINAL REGULATION ORDER

Note: This document is written in a style to indicate changes from the existing provisions. All existing regulatory language is indicated by plain type. All additions to the regulatory language are indicated by underlined type. All deletions to the regulatory language are indicated by ~~strikeout~~. Only those portions containing modifications from existing provisions are included. All other portions remain unchanged and are indicated by the symbol [* * * *] for reference.

Article 3. Verification Procedure, Warranty, and In-Use Compliance Requirements for Retrofits to Control Emissions from Off-Road Large Spark-Ignition Engines

Amend §§ 2783 and 2784, title 13, California Code of Regulations, to read as follows:

§ 2783. Emissions Reduction Testing Requirements.

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(d) *Test Fuel.*

(1) 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 incorporated by reference in section 1961(d). If the engine is tested using the U.S. EPA test fuel, as outlined in 40 CFR Part 1065, the manufacturer shall demonstrate that the emission results are consistent with these Test Procedures.

(2) Gasoline-fueled, large spark-ignition engines that are tested during the 2013-2019 calendar years have the option of using the test fuel referenced in section 2783(d)(3) for demonstrating exhaust emission compliance with the requirements of this section.

(3) Gasoline-fueled, large spark-ignition engines that are tested during 2020 and later calendar years must be exhaust emission tested using a test fuel that is 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 March 22, 2012, which is 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) During all engine tests, the engine shall employ lubricating oil consistent with the engine manufacturer's specifications for that particular engine. These specifications shall be recorded and declared in the verification application.

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NOTE: Authority cited: Sections 39002, 39003, 39500, 39600, 39601, 39650-39675, 40000, 43000, 43000.5, 43011, 43013, 43018, 43105, 43600 and 43700, Health and Safety Code. Reference: Sections: 43000, 43009.5, 43013, 43018, 43101, 43104, 43105, 43106, 43107, 43204, 43205 and 43205.5, Health and Safety Code.

§ 2784. Durability Demonstration Requirements.

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(c) Test Fuel.

(1) Except as outlined in (c)(2), 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 incorporated by reference in section 1961(d). If the engine is tested using the U.S. EPA test fuel, as outlined in 40 CFR Part 1065, the manufacturer shall demonstrate that the emission results are consistent with ARB Test Procedures. Manufacturers can use “commercially available fuels” to accumulate service hours but emission testing must be conducted using test fuel as specified in this section.

(2) Gasoline-fueled, large spark-ignition engines that are tested during the 2013-2019 calendar years have the option of using the test fuel referenced in section 2784(c)(3) for demonstrating exhaust emission compliance with the requirements of this section.

(3) Gasoline-fueled, large spark-ignition engines that are tested during 2020 and later calendar years must be exhaust emission tested using a test fuel that is 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 March 22, 2012, which is 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) During all engine tests, the engine shall employ lubricating oil consistent with the engine manufacturer's specifications for that particular engine. These specifications shall be recorded and declared in the verification application.

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