

# FINAL REGULATION ORDER

**Amend sections 2030 and 2031 title 13, California Code of Regulations, to read as follows:**

Note: Amendments are shown in underline to indicate additions and ~~strikeout~~ to indicate deletions from the existing regulatory text.

**Article 5. Approval of Systems Designed To Convert Motor Vehicles to Use Fuels Other Than the Original Certification Fuel or to Convert Motor Vehicles for Emission Reduction Credit or to Convert Hybrid Electric Vehicles to Off-Vehicle Charge Capable Hybrid Electric Vehicles**

**§ 2030. Liquefied Petroleum Gas or Natural Gas Retrofit Systems.**

(a) Applicable Standards and Test Procedures.

The standards and test procedures for approval of systems designed to convert 1993 and earlier model year motor vehicles to use liquefied petroleum gas or natural gas fuels are contained in "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Liquefied Petroleum Gas or Natural Gas Fuels" adopted by the ~~s~~State board on April 16, 1975, as last amended November 21, 1995. The standards and test procedures for approval of systems designed to convert 1994 ~~and subsequent~~ through 2003 model year motor vehicles to use liquefied petroleum gas or natural gas fuels are contained in "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for Motor Vehicles Certified for 1994 through 2003 Model Years and Subsequent Model Years and for 1994 through 2003 all Model Year Motor Vehicle Retrofit Systems Certified for Emission Reduction Credit," as adopted by the State ~~b~~Board March 11, 1993, as last amended ~~September 25, 1997~~ August 8, 2014. At the option of the retrofit system manufacturer, the standards and test procedures for approval of systems designed to convert 1994 through 2003 ~~and subsequent~~ model year vehicles to use liquefied petroleum gas or natural gas fuels may be used for approval of systems designed to convert 1993 and earlier model year motor vehicles to use liquefied petroleum gas or natural gas fuels in lieu of the "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Liquefied Petroleum Gas or Natural Gas Fuels." The standards and test procedures for approval of systems designed to convert 2004 and subsequent model year motor vehicles to use liquefied petroleum gas or natural gas fuels are contained in the "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for 2004 and Subsequent Model Year On-Road Motor Vehicles and Engines," as adopted by the State board on August 8, 2014, which is incorporated by reference herein.

(b) Implementation Phase-In Schedule.

Notwithstanding subsection (a), a retrofit system manufacturer may apply "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Liquefied Petroleum Gas or Natural Gas Fuels" to certify retrofit systems for 1994 and 1995 model-year vehicles in accordance with the following implementation phase-in schedule. Each manufacturer may certify a maximum of 85 percent of its total 1994 model-year engine family retrofit systems, 45 percent of its total 1995 model-year systems, and 45 percent of its total 1996 model-year systems, according to the requirements of these test procedures and "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Alcohol or Alcohol/Gasoline Fuels", adopted by the State Board on April 28, 1983, as last amended November 21, 1995. The remaining percentage of each manufacturer's certified 1994, 1995, and 1996 model-year engine family retrofit systems and all of 1997 and subsequent through 2003 model-year engine family retrofit systems shall be certified according to "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems For Motor Vehicles Certified For 1994 and Subsequent through 2003 Model Years and for 1994 through 2003 all Model Year Motor Vehicle Retrofit Systems Certified for Emission Reduction Credit." The percentages shall be determined from the total number of retrofit systems certified and shall be met prior to the end of the next respective calendar year. "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Liquefied Petroleum Gas or Natural Gas Fuels" shall not be applied to certify a retrofit system for installation on a transitional low-emission vehicle ("TLEV)", low-emission vehicle ("LEV)", or ultra-low-emission vehicle ("ULEV)" or to certify a retrofit system designed to convert a vehicle to TLEV, LEV, or ULEV emission standards (as defined in Section 1960.1, Title 13, California Code of Regulations), or to certify a retrofit system for emission reduction credits.

(c) Expedited Approval Provisions.

A manufacturer of new 2004 or subsequent model year passenger cars, light-duty trucks, medium-duty vehicles or heavy-duty engines or vehicles that are fueled by alternative fuels, as defined in title 13, California Code of Regulations, Chapter 5, Standards for Motor Vehicle Fuels, sections 2290– 2293.5 that obtains a new vehicle or engine certification from ARB may request certification of an alternative fuel retrofit system that is identical in configuration to the fuel system in the California certified vehicle or engine under the "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for 2004 and Subsequent Model Year On-Road Motor Vehicles and Engines." The manufacturer may request approval to carry-over or carry-across data used to obtain California certification of a new vehicle or new engine to demonstrate compliance with the emission testing requirements specified under the "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for 2004 and Subsequent Model Year On-Road Motor Vehicles and Engines." For purposes of this provision, the term "identical" means that all engine parts on the alternative fuel retrofit system that affect emissions must be of the same design,

specifications, and tolerances as those of the fueling system as disclosed in the manufacturer's certification application for the new vehicle or new vehicle engine.

NOTE: Authority cited: Sections 39515, 39600, 39601 and 43006, Health and Safety Code.  
Reference: Sections 43000, 43004, 43006, 43008.6, 43013 and 43108, Health and Safety Code; and Sections 27156, 38391 and 38395, Vehicle Code.

### **§ 2031. Alcohol or Alcohol/Gasoline Fuels Retrofit Systems.**

(a) Applicable Standards and Test Procedures.

The standards and test procedures for approval of systems designed to convert 1993 and earlier model year motor vehicles to use alcohol or alcohol/gasoline fuels in lieu of the original certification fuel system are contained in "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Alcohol or Alcohol/Gasoline Fuels," adopted by the State ~~b~~Board April 28, 1983, as last amended November 21, 1995. The standards and test procedures for approval of systems designed to convert 1994 ~~and subsequent~~ through 2003 model year motor vehicles to use alcohol or alcohol/gasoline fuels are contained in "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for Motor Vehicles Certified for 1994 through 2003 ~~and Subsequent~~ Model Years and for 1994 through 2003 ~~all~~ Model Year Motor Vehicle Retrofit Systems Certified for Emission Reduction Credit," adopted by the State ~~b~~Board March 11, 1993, as last amended ~~September 25, 1997~~ August 8, 2014. At the option of the retrofit system manufacturer, the standards and test procedures for approval of systems designed to convert 1994 ~~and subsequent~~ through 2003 model year motor vehicles to use alcohol or alcohol/gasoline fuels may be used for approval of systems designed to convert 1993 and earlier model year motor vehicles to use alcohol or alcohol/gasoline fuels in lieu of the "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Alcohol or Alcohol/Gasoline Fuels." The standards and test procedures for approval of systems designed to convert 2004 and subsequent model year motor vehicles to use alcohol or alcohol/gasoline fuels in lieu of the original certification fuel system are contained in the "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for 2004 and Subsequent Model Year On-Road Motor Vehicles and Engines."

(b) Implementation Phase-In Schedule.

Notwithstanding subsection (a), a retrofit system manufacturer may apply "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Alcohol or Alcohol/Gasoline Fuels" to certify retrofit systems for 1994 and 1995 model-year vehicles in accordance with the following implementation phase-in schedule. Each manufacturer may certify a maximum of 85 percent of its total 1994 model-year engine family retrofit systems, 45 percent of its total 1995 model-year systems, and 45 percent of its total 1996 model-year systems, according to the requirements of these test

procedures and the "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Liquefied Petroleum Gas or Natural Gas Fuels," adopted by the State Board on April 16, 1975, as last amended November 21, 1995. The remaining percentage of each manufacturer's certified 1994, 1995, and 1996 model-year engine family retrofit systems and all of 1997 ~~and subsequent~~ through 2003 model-year engine family retrofit systems shall be certified according to "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems For Motor Vehicles Certified For 1994 ~~and Subsequent through 2003~~ Model Years and for 1994 through 2003 all Model Year Motor Vehicle Retrofit Systems Certified for Emission Reduction Credit." The percentages shall be determined from the total number of retrofit systems certified and shall be met prior to the end of the next respective calendar year. "California Exhaust Emission Standards and Test Procedures for Systems Designed to Convert Motor Vehicles Certified for 1993 and Earlier Model Years to Use Alcohol or Alcohol/Gasoline Fuels" shall not be applied to certify a retrofit system for installation on a transitional low-emission vehicle ("TLEV"), low-emission vehicle ("LEV"), or ultra-low-emission vehicle ("ULEV") or to certify a retrofit system designed to convert a vehicle to TLEV, LEV, or ULEV emission standards (as defined in Section 1960.1, ~~¶~~title 13, California Code of Regulations), or to certify a retrofit system for emission reduction credits.

(c) Expedited Approval Provisions.

A manufacturer of new 2004 or subsequent model year passenger cars, light-duty trucks, medium-duty vehicles or heavy-duty engines or vehicles that are fueled by alternative fuels, as defined in title 13, California Code of Regulations, Chapter 5, Standards for Motor Vehicle Fuels, sections 2290– 2293.5 that obtains a new vehicle or engine certification from ARB may request certification of an alternative fuel retrofit system that is identical in configuration to the fuel system in the California certified vehicle or engine under the "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for 2004 and Subsequent Model Year On-Road Motor Vehicles and Engines." The manufacturer may request approval to carry-over or carry-across data used to obtain California certification of a new vehicle or new engine to demonstrate compliance with the emission testing requirements specified under the "California Certification and Installation Procedures for Alternative Fuel Retrofit Systems for 2004 and Subsequent Model Year On-Road Motor Vehicles and Engines." For purposes of this provision, the term "identical" means that all engine parts on the alternative fuel retrofit system that affect emissions must be of the same design, specifications, and tolerances as those of the fueling system as disclosed in the manufacturer's certification application for the new vehicle or new vehicle engine.

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