

## ATTACHMENT E-1

California Environmental Protection Agency  
AIR RESOURCES BOARD

### PROPOSED

#### **CALIFORNIA 2015 THROUGH 2025 MODEL YEAR CRITERIA POLLUTANT EXHAUST EMISSION STANDARDS AND TEST PROCEDURES AND 2017 AND SUBSEQUENT MODEL YEAR GREENHOUSE GAS EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR PASSENGER CARS, LIGHT-DUTY TRUCKS, AND MEDIUM-DUTY VEHICLES**

Adopted: March 22, 2012  
Amended: December 6, 2012  
Amended: September 2, 2015  
Amended: September 28, 2018  
Amended: December 19, 2018  
Amended: September 9, 2021  
Amended: August 25, 2022  
Amended: [INSERT DATE OF AMENDMENT]

Note: The proposed modifications, referred to as the 15-Day Changes, to the originally proposed regulation are shown below. This version complies with Government Code section 11346.2 subdivision (a)(3). The originally proposed regulatory text made available for public comment for at least 45 days on November 28, 2023, referred to as the 45-Day Changes, is incorporated into this version as plain, clean text (shown in "normal type") because it is not being made available for public comment by this Notice. The deletions and additions to the originally proposed language that comprise the 15-day modifications that are made public with this Notice and available for comment are shown in underline to indicate additions and strikethrough to indicate deletions from the 45-Day Changes. Placeholder text to be updated upon approval of the Proposed Amendments is shown in angle brackets (such as <insert effective date>). For ease of readability, and to review these modifications in an accessible format, please refer to the Word (.docx) version, which is Attachment E-2.

NOTE: This document is incorporated by reference in sections 1961.2(d), title 13, California Code of Regulations (CCR). It contains the majority of the requirements necessary for certification of a passenger car, light-duty truck, or medium-duty vehicle for sale in California, in addition to containing the exhaust emission standards and test procedures for these motor vehicles. However, reference is made in these test procedures to other ARB documents that contain additional requirements necessary to complete an application for certification. These other documents are designed to be used in conjunction with this document. They include:

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6. "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 and Subsequent through 2028 Model Year Motorcycles" (incorporated by reference in section 1976(c), title 13, CCR);

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**CALIFORNIA 2015 THROUGH 2025 MODEL YEAR CRITERIA POLLUTANT EXHAUST EMISSION STANDARDS AND TEST PROCEDURES AND 2017 AND SUBSEQUENT MODEL YEAR GREENHOUSE GAS EXHAUST EMISSION STANDARDS AND TEST PROCEDURES FOR PASSENGER CARS, LIGHT-DUTY TRUCKS, AND MEDIUM-DUTY VEHICLES**

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

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**D. §86.1810 General standards; increase in emissions; unsafe conditions; waivers**

**1. §86.1810-09. October 15, 2012. Amend §86.1810-09 as follows:**

\* \* \* \* \*

1.7 Subparagraph (j) **Evaporative emissions general provisions.**  
[Delete. (The provisions of this section are contained the "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 and Subsequent through 2028 Model Year **Motorcycles.**")]

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**F. Requirements and Procedures for Durability Demonstration**

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**2. §86.1821 Evaporative/refueling emission family determination.**

[Delete. (The provisions of this section are set forth in the "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 and Subsequent through 2028 Model Year Motorcycles," and "California Refueling Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles.")]

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**5. §86.1824 Durability demonstration procedures for evaporative emissions.**

[Delete. (The provisions of this section are set forth in the "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 and Subsequent through 2028 Model Year Motorcycles.")]

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**G. Procedures for Demonstration of Compliance with Emission Standards**

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**3. §86.1829 Durability data and emission data testing requirements; waivers.**

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3.2 §86.1829-15. February 19, 2015. Amend as follows:

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3.2.4 Subparagraph (e) [Delete. (The provisions of this section that pertain to evaporative testing are contained the "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 and Subsequent through 2028 Model Year Motorcycles." The provisions of

this section that pertain to refueling testing are contained the "California Refueling Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles.")]

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**PART II: CALIFORNIA EXHAUST AND PARTICULATE EMISSION TEST PROCEDURES FOR PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

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**A. 40 CFR Part 86, Subpart B - Emission Regulations for 1977 and Later Model Year New Light-Duty Vehicles and New Light-Duty Trucks and New Otto-Cycle Complete Heavy-Duty Vehicles; Test Procedures.**

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**100.3 Certification Fuel Specifications.**

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**100.3.1 California Certification Gasoline Specification.**

100.3.1.1 Certification Gasoline Fuel Specifications for LEV II Light-Duty Vehicles and Medium-Duty Vehicles.

Add the following subparagraph which reads: For light-duty vehicles and medium-duty vehicles certified to the LEV II exhaust emission standards set forth in section E.1.1.1, gasoline having the specifications listed below or gasoline having the specifications listed in section 100.3.1.2 or gasoline having the specifications in 40 CFR §1065.710(b) (June 29, 2021) may be used in exhaust and evaporative emission testing as an option to the specifications referred to in §86.113-04(a)(1). If a manufacturer elects to utilize gasoline having the specifications listed below for LEV II vehicles, exhaust emission testing shall be conducted by the manufacturer with gasoline having the specifications listed below, and the Executive Officer shall conduct exhaust emission testing with gasoline having the specifications listed below. If a manufacturer elects to utilize gasoline having the specifications listed in section 100.3.1.2, exhaust emission testing shall be conducted by the manufacturer with gasoline having the specifications listed in section 100.3.1.2, and the Executive Officer shall conduct exhaust emission testing with gasoline having the specifications listed in section 100.3.1.2. If a manufacturer elects to utilize gasoline having the specifications in 40 CFR §1065.710(b) (June 29, 2021), exhaust emission testing shall be conducted by the manufacturer with gasoline having the specifications in 40 CFR §1065.710(b) (June 29, 2021), and the Executive Officer shall conduct exhaust

emission testing with gasoline having the specifications in section 40 CFR §1065.710(b) (June 29, 2021). Use of these fuels for evaporative emission testing shall be required as specified in the "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 ~~and Subsequent~~ through 2028 Model Year Motorcycles."

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100.3.1.2 Certification Gasoline Fuel Specifications for LEV III Light-Duty Vehicles and Medium-Duty Vehicles.

Add the following subparagraph which reads: For all light-duty vehicles and medium-duty vehicles certifying to the LEV III standards in section E.1.1.2, gasoline having the specifications listed below may be used in exhaust emission testing, as an option to the specifications set forth in 40 CFR §1065.710(b) (June 29, 2021). If a manufacturer elects to utilize gasoline having the specifications listed below, the Executive Officer shall conduct exhaust emission testing with gasoline having the specifications listed below. If a manufacturer elects to utilize gasoline having the specifications set forth in 40 CFR §1065.710(b) (June 29, 2021), the Executive Officer shall conduct exhaust emission testing with gasoline having the specifications set forth in 40 CFR §1065.710(b) (June 29, 2021). Use of these fuels for evaporative emission testing shall be required as specified in the "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 ~~and Subsequent~~ through 2028 Model Year Motorcycles."

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**100.3.4 Mixtures of Petroleum and Alcohol Fuels for Flexible Fuel Vehicles.**

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100.3.4.3 **Evaporative emission test fuel for emission-data and durability-data vehicles.** For Otto-cycle or diesel alcohol vehicles and hybrid electric vehicles which use Otto-cycle or diesel alcohol engines, the fuel for evaporative emission testing shall be the gasoline set forth in Part II, Section A.100.3.1.2 of these test procedures. A manufacturer may alternatively demonstrate compliance with the applicable evaporative emission standards using gasoline test fuel meeting the specifications set forth in 40 CFR §1065.710(b) (June 29, 2021) if the manufacturer also uses the evaporative emission test procedures set forth in 40 CFR §§86.107-96 through 86.143-96 in place of the test procedures set forth in the "California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and

Heavy-Duty Vehicles and 2001 ~~and Subsequent~~ through 2028 Model Year Motorcycles.” Alternative alcohol-gasoline blends may be used in place of E10 if demonstrated to result in equivalent or higher evaporative emissions, subject to prior approval of the Executive Officer. For refueling testing, the test fuel shall be the fuel specified in the “California Refueling Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles.”

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86.130-96 Test sequence; general requirements. June 29, 2021.

**100.5.2 California test sequence; general requirements.**

100.5.2.1 Delete subparagraph (a) of §86.130-96 and replace with:

For purposes of determining conformity with 50°F test requirements, the procedures set forth in Part II, Section D. For all hybrid electric vehicles and all vehicles certifying to running loss and useful life evaporative emission standards, the test sequence specified in “California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 ~~and Subsequent~~ through 2028 Model Year Motorcycles” as incorporated by reference in section 1976, title 13, CCR shall apply.

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86.132-00 Vehicle preconditioning. November 25, 2009.

**100.5.3 California Vehicle Preconditioning Requirements.**

100.5.3.1 Add the following subparagraph: For all hybrid electric vehicles and all 2015 through 2025 model-year vehicles subject to running loss and useful life evaporative emission standards, the preconditioning sequence for the Federal Test Procedure specified in “California Evaporative Emission Standards and Test Procedures for 2001 through 2025 Model Year Passenger Cars, Light-Duty Trucks, Medium-Duty Vehicles, and Heavy-Duty Vehicles and 2001 ~~and Subsequent~~ through 2028 Model Year Motorcycles” shall apply. In addition, the preconditioning sequence for the SFTP described in subparagraphs (n) and (o) of paragraph 86.132-00 shall apply.

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