

APPENDIX D

PROPOSED CHANGES TO EVAP TEST PROCEDURES

State of California
AIR RESOURCES BOARD

**CALIFORNIA EVAPORATIVE EMISSION STANDARDS AND TEST PROCEDURES
FOR 2001 AND SUBSEQUENT MODEL MOTOR VEHICLES**

Adopted: August 5, 1999
Amended: [insert date of amendment]

Note: Proposed amendments to this document are shown in underline to indicate additions and ~~strikeouts~~ to indicate deletions compared to the test procedures as adopted August 5, 1999. Existing intervening text that is not amended is indicated by a row of asterisks (* * * *).

**CALIFORNIA EVAPORATIVE EMISSION STANDARDS AND TEST PROCEDURES
FOR 2001 AND SUBSEQUENT MODEL MOTOR VEHICLES**

The provisions of Title 40, Code of Federal Regulations (CFR), Part 86, Subparts A and B (as adopted or amended as of July 1, 1989); ~~and Subpart S (as adopted or amended on May 4, 1999); and, such sections of these Subparts as last amended on~~ such other date set forth next to the 40 CFR Part 86 section title listed below, insofar as those subparts pertain to evaporative emission standards and test procedures, are hereby adopted as the "California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Years," with the following exceptions and additions:

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PART I. GENERAL CERTIFICATION REQUIREMENTS FOR EVAPORATIVE EMISSIONS

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D. General Standards; increase in emissions; unsafe conditions; waivers

1. Light- and Medium-Duty Vehicles.

1.1 Amend §86.1810-01 (December 8, 2005) and ~~§86.1810-04~~ as follows:

(a) through (g). [The provisions of these paragraphs are contained in the "California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger eCars, Light-Duty Trucks and Medium-Duty Vehicles," adopted August 5, 1999, as last amended [insert date of amendment]."]

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(j) Evaporative emissions general provisions.

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(4) [No change.]

(k) through (n) [The provisions of these paragraphs are contained in the "California Refueling Emission Standards and Test Procedures for 2001 and

Subsequent Model Year Motor Vehicles;" adopted August 5, 1999, as last amended [insert date of amendment].

(o) through (p). [The provisions of these paragraphs are contained in the "California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles," adopted August 5, 1999, as last amended [insert date of amendment].]

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PART II. DURABILITY DEMONSTRATION

A. Light- and Medium-Duty Vehicles

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5. Durability and Emission Testing Requirements; waivers §86.1829-01
[No change.]

5.1. §86.1829-01 (December 8, 2005). [No change, except as otherwise noted.]

5.2. References to the "EPA" shall mean the Executive Officer of the Air Resources Board.

5.3. The optional provision for a manufacturer to provide a statement of compliance in lieu of a demonstration of compliance with the supplemental two-day diurnal plus hot soak emission standard for certification purposes, as contained in §86.1829-01(b)(2)(iii), shall be applicable to gasoline- and ethanol-fueled passenger cars, light-duty trucks, and medium-duty vehicles, including hybrid electric, fuel-flexible, dual fuel, and bi-fuel vehicles. Heavy-duty vehicles over 14,000 lbs. GVWR and incomplete medium-duty vehicles shall comply with the requirements of section I.D.2.

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PART III. EVAPORATIVE EMISSION TEST PROCEDURES FOR LIGHT- AND MEDIUM-DUTY VEHICLES

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D. Test Procedure

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3. Vehicle Preconditioning

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3.4 As allowed under the provisions of section III.G of these test procedures, a manufacturer may propose, for Executive Officer approval, the use of an alternative method to precondition canisters in lieu of the methods required under sections III.D.3.3.4; III.D.3.3.5(a); and, III.D.3.3.5(b). The Executive Officer may conduct certification confirmatory tests and in-use compliance tests with the either the alternative canister loading method or the methods specified in sections III.D.3.3.4; III.D.3.3.5(a); and, III.D.3.3.5(b), as applicable.

4. Dynamometer Procedure.

To be conducted according to 40 CFR §86.135-90 (December 8, 2005). For hybrid electric vehicles, the dynamometer procedure shall be performed pursuant to the "California Exhaust Emission Standards and Test Procedures for 2003 and Subsequent Model Zero-Emission Vehicles, and 2001 and Subsequent Model Hybrid Electric Vehicles, in the Passenger Car, Light-Duty Truck, and Medium-Duty Vehicle Classes" as incorporated by reference in §1962(e), title 13, CCR.

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8. Running Loss Test

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8.3. Manufacturers may use an alternative running loss test procedure if it provides an equivalent demonstration of compliance. The use of an alternative procedure also requires the prior approval of the Executive Officer. However, The Executive Officer may conduct confirmatory testing or in-use compliance testing may be conducted by the Executive Officer using either the running loss measurement enclosure incorporating atmospheric sampling equipment or in a test cell utilizing point source sampling equipment, as specified in paragraph III.A.2 (40 CFR §86.107-90(a)(1)), and in conjunction with the procedures as outlined in either paragraph III.D.8.1 or III.D.8.2 of this test procedure, or using the manufacturer's approved alternative running loss test procedure for a specific evaporative family.

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G. Alternative Test Procedure

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Manufacturers may use an alternative set of test procedures to demonstrate compliance with the standards set forth in section I.E. of these test procedures with advance Executive Officer approval if the alternative procedure is demonstrated to yield test results equivalent to, or more stringent than, those resulting from the use of the test procedures set forth in section III.D. of these test procedures.

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