

State of California  
AIR RESOURCES BOARD

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

Adopted: August 5, 1999  
Amended: September 5, 2003  
Amended: June 22, 2006

Note: The amendments to this document are shown in underline to indicate additions and ~~strikeouts~~ to indicate deletions compared to the test procedures as last amended September 5, 2003. Existing intervening text that is not amended is indicated by a row of asterisks ( \* \* \* \* ).

## CALIFORNIA REFUELING 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 B (as adopted or amended by the U.S. Environmental Protection Agency (U.S. EPA) on the date listed) and S (as adopted on May 4, 1999, or as last amended on such other date set forth next to the 40 CFR Part 86 section title listed below) to the extent they pertain to the testing and compliance of vehicle refueling emissions for passenger cars, light-duty trucks and medium-duty vehicles, are hereby adopted as the "California Refueling Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles" with the following exceptions and additions.

### Subpart S Requirements

#### I. General Certification Requirements for Refueling Emissions

\* \* \* \*

#### E. General Standards, increase in emissions; unsafe conditions; waivers

1. Amend §§86.1810-01 (~~July 12, 2001~~December 8, 2005) as follows:
  - 1.1 (a) through (j). [See 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 June 22, 2006; or the "California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles," adopted August 5, 1999, as last amended June 22, 2006.
  - 1.2 (k) ~~through (n)~~ [No change.]
  - 1.3 ~~(o) and (p)~~ ~~[n/a]~~(l) Substitute certification to the applicable refueling emission standards set forth in section I.F of these test procedures instead of with the standards set forth in §86.1811-04(e); §86.1812-01(e); §86.1813-01(e); and, §86.1816-05(e).
  - 1.4 (m) Substitute compliance with applicable refueling emission standards set forth in section I.F of these test procedures instead of with the standards set forth in §86.1811-04(e); §86.1812-01(e); §86.1813-01(e); and, §86.1816-05(e). ~~A manufacturer shall also demonstrate compliance with the fuel spillage test requirements contained in Title 13, California Code of Regulations, §2235, Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks, as last amended January 22, 1990, incorporated by reference herein.~~
  - 1.5 (n) [No change.]

1.6 (o) and (p) [See 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 June 22, 2006.]

1.7 A manufacturer must demonstrate compliance with the fuel spillage test requirements in Title 13, California Code of Regulations, §2235, Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks, as last amended January 22, 1990, which is hereby incorporated by reference herein.

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**F. Emission Standards**

1. Delete 40 CFR §§86.1811 through ~~86.1815~~86.1816 (all years).

\* \* \* \*

**G. Durability Demonstration procedures for refueling emissions.**

[No change from 40 CFR §1825-01 (October 6, 2000).]

## **Subpart B - Emission Regulations for 1977 and Later Model Year New Light-Duty Vehicles and New Light-Duty Trucks; Test Procedures**

40 CFR §§ 86.101 through 86.145 and Appendix I (UDDS Schedule) of this Subpart B, as incorporated by reference and amended in the "California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles," are hereby incorporated by reference herein.

### **Refueling Test Procedures**

- 86.146-96 Fuel dispensing spitback procedure. August 23, 1995.
- 86.150-98 Overview, refueling test. September 21, 1994.
- 86.151-98 General requirements; refueling test. April 6, 1994.
- 86.152-98 Vehicle preparation; refueling test. ~~August 23, 1995~~December 8, 2005.
- 86.153-98 Vehicle and canister preconditioning; refueling test. ~~August 23, 1995~~December 8, 2005.
- 86.154-98 Measure procedure; refueling test. August 23, 1995.
- 86.155-98 Records required; refueling test. April 6, 1994.
- 86.156-98 Calculations. April 6, 1994.