

**§ 86.000-3**

**40 CFR Ch. I (7-1-03 Edition)**

*AC2* means a test procedure as described in §86.162-00 which simulates testing with air conditioning operating in an environmental test cell by adding a heat load to the passenger compartment.

*Alternative fuels* means any fuel other than gasoline and diesel fuels, such as methanol, ethanol, and gaseous fuels.

*866 Cycle* means the test cycle that consists of the last 866 seconds (seconds 505 to 1372) of the EPA Urban Dynamometer Driving Schedule, described in §86.115-00 and listed in appendix I, paragraph (a), of this part.

*Environmental test cell* means a test cell capable of wind-speed, solar thermal load, ambient temperature, and humidity control or simulation which meets the requirements of §86.161-00 for running emission tests with the air conditioning operating.

*Federal Test Procedure, or FTP* means the test procedure as described in §86.130-00 (a) through (d) and (f) which is designed to measure urban driving tail pipe exhaust emissions and evaporative emissions over the Urban Dynamometer Driving Schedule as described in appendix I to this part.

*505 Cycle* means the test cycle that consists of the first 505 seconds (seconds 1 to 505) of the EPA Urban Dynamometer Driving Schedule, described in §86.115-00 and listed in appendix I, paragraph (a), of this part.

*SC03* means the test cycle, described in §86.160-00 and listed in appendix I, paragraph (h), of this part, which is designed to represent driving immediately following startup.

*Supplemental FTP, or SFTP* means the additional test procedures designed to measure emissions during aggressive and microtransient driving, as described in §86.159-00 over the US06 cycle, and also the test procedure designed to measure urban driving emissions while the vehicle's air conditioning system is operating, as described in §86.160-00 over the SC03 cycle.

*US06* means the test cycle, described in §86.159-00 and listed in appendix I, paragraph (g), of this part, which is designed to evaluate emissions during aggressive and microtransient driving.

[61 FR 54878, Oct. 22, 1996]

**§ 86.000-3 Abbreviations.**

The abbreviations in §86.098-3 continue to apply to 1998 and later model year vehicles. The abbreviations in this section apply beginning with the 2000 model year:

- A/C—Air conditioning
- FTP—Federal Test Procedure
- SFTP—Supplemental Federal Test Procedure
- WOT—Wide Open Throttle

[61 FR 54878, Oct. 22, 1996]

**§ 86.000-7 Maintenance of records; submittal of information; right of entry.**

Section 86.000-7 includes text that specifies requirements that differ from §86.091-7, §86.094-7 or §86.096-7. Where a paragraph in §86.091-7, §86.094-7 or §86.096-7 is identical and applicable to §86.000-7, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see §86.091-7.” or “[Reserved]. For guidance see §86.094-7.” or “[Reserved]. For guidance see §86.096-7.”

(a) introductory text through (a)(2) [Reserved]. For guidance see §86.091-7.

(a)(3) [Reserved]. For guidance see §86.094-7.

(b) through (c)(2) [Reserved]. For guidance see §86.091-7.

(c)(3) [Reserved]. For guidance see §86.094-7.

(c)(4) through (d)(1)(v) [Reserved]. For guidance see §86.091-7.

(d)(1)(vi) through (d)(2)(iv) [Reserved]. For guidance see §86.094-7.

(d)(3) through (g) [Reserved]. For guidance see §86.091-7.

(h)(1) The manufacturer (or contractor for the manufacturer, if applicable) of any model year 2000 through 2002 light-duty vehicle or light light-duty truck or model year 2002 through 2004 heavy light-duty truck that is certified shall establish, maintain, and retain the following adequately organized and indexed records for each such vehicle:

- (i) EPA engine family;
- (ii) Vehicle identification number;
- (iii) Model year and production date;
- (iv) Shipment date;
- (v) Purchaser; and
- (vi) Purchase contract.

(h)(2) through (h)(5) [Reserved]. For guidance see §86.094-7.

**Environmental Protection Agency**

**§ 86.000-8**

(h)(6) Voiding a certificate. (i) EPA may void ab initio a certificate for a vehicle certified to Tier 1 certification standards or to the respective evaporative and/or refueling test procedure and accompanying evaporative and/or refueling standards as set forth or otherwise referenced in §§ 86.000-8, 86.000-9, or 86.098-10 for which the manufacturer fails to retain the records required in this section or to provide such information to the Administrator upon request.

(h)(6)(ii) through (h)(7)(vi) [Reserved]. For guidance see § 86.096-7.

(h)(7)(vii) EPA evaporative/refueling family.

[61 FR 54878, Oct. 22, 1996]

**§ 86.000-8 Emission standards for 2000 and later model year light-duty vehicles.**

Section 86.000-8 includes text that specifies requirements that differ from § 86.096-8 or § 86.099-8. Where a paragraph in § 86.096-8 or § 86.099-8 is identical and applicable to § 86.000-8, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see § 86.096-8.” or “[Reserved]. For guidance see § 86.099-8.”

(a)(1) introductory text through (a)(1)(ii)(B) [Reserved]. For guidance see § 86.096-8.

(a)(1)(iii) through (b)(4) [Reserved]. For guidance see § 86.099-8.

(b)(5) [Reserved]. For guidance see § 86.096-8.

(b)(6) [Reserved]. For guidance see § 86.099-8.

(c) [Reserved]. For guidance see § 86.096-8.

(d) [Reserved]. For guidance see § 86.099-8.

(e) SFTP Standards. (1) Exhaust emissions from 2000 and later model year light-duty vehicles shall meet the additional SFTP standards of table A00-2 (defined by useful life, fuel type, and test type) according to the implementation schedule in table A00-1. The standards set forth in table A00-2 refer to exhaust emissions emitted over the Supplemental Federal Test Procedure (SFTP) as set forth in subpart B of this part and collected and calculated in accordance with those procedures. Compliance with these standards are an additional requirement to the required compliance with Tier 1 standards as defined in §§ 86.096-8 (a)(1) introductory text through (a)(1)(ii)(B) and 86.099-8 (a)(1)(iii) through (a)(3):

TABLE A00-1—IMPLEMENTATION SCHEDULE FOR LIGHT-DUTY VEHICLES FOR (NMHC=NO<sub>x</sub>) AND CO

Model year	Percentage
2000 .....	40
2001 .....	80
2002 .....	100

TABLE A00-2—USEFUL LIFE STANDARDS (G/MI) FOR LIGHT-DUTY VEHICLES FOR (NMHC=NO<sub>x</sub>) AND CO

Useful life	Fuel type	NMHC=NO <sub>x</sub> composite	CO		
			A/C test	US06 test	Composite option
Intermediate .....	Gasoline .....	0.65	3.0	9.0	3.4
	Diesel .....	1.48	NA	9.0	3.4
Full .....	Gasoline .....	0.91	3.7	11.1	4.2
	Diesel .....	2.07	NA	11.1	4.2

(i) A minimum of the percentage shown in table A00-1 of a manufacturer's sales of the applicable model year's light-duty vehicles shall not exceed the applicable SFTP standards in table A00-2 when tested under the procedures in subpart B of this part indicated for 2000 and later model year light-duty vehicles.

(ii) Optionally, a minimum of the percentage shown in table A00-1 of a manufacturer's combined sales of the applicable model year's light-duty vehicles and light light-duty trucks shall not exceed the applicable SFTP standards. Under this option, the light-duty vehicles shall not exceed the applicable SFTP standards in table A00-2, and the