

**§ 86.001-22**

**40 CFR Ch. I (7-1-04 Edition)**

(b)(5)(v) For light-duty vehicles and applicable light-duty trucks with non-integrated refueling emission control systems, the number of continuous UDDS cycles, determined from the fuel economy on the UDDS applicable to the test vehicle of that evaporative/refueling emission family-emission control system combination, required to use a volume of fuel equal to 85% of fuel tank volume.

(b)(6)-(b)(8) [Reserved]. For guidance see § 86.094-21.

(b)(9) For each light-duty vehicle, light-duty truck, evaporative/refueling emission family or heavy-duty vehicle evaporative emission family, a description of any unique procedures required to perform evaporative and/or refueling emission tests, as applicable, (including canister working capacity, canister bed volume, and fuel temperature profile for the running loss test) for all vehicles in that evaporative and/or evaporative/refueling emission family, and a description of the method used to develop those unique procedures.

(10) For each light-duty vehicle or applicable light-duty truck evaporative/refueling emission family, or each heavy-duty vehicle evaporative emission family:

(i) Canister working capacity, according to the procedures specified in § 86.132-96(h)(1)(iv);

(ii) Canister bed volume; and

(iii) Fuel temperature profile for the running loss test, according to the procedures specified in § 86.129-94(d).

(c)-(j) [Reserved]. For guidance see § 86.094-21.

(k) and (l) [Reserved]. For guidance see § 86.096-21.

[61 FR 54886, Oct. 22, 1996]

**§ 86.001-22 Approval of application for certification; test fleet selections; determinations of parameters subject to adjustment for certification and Selective Enforcement Audit, adequacy of limits, and physically adjustable ranges.**

Section 86.001-22 includes text that specifies requirements that differ from § 86.094-22. Where a paragraph in § 86.094-22 is identical and applicable to § 86.001-22, this may be indicated by specifying the corresponding paragraph

and the statement “[Reserved]. For guidance see § 86.094-22.”

(a)-(c) [Reserved]. For guidance see § 86.094-22.

(d) *Approval of test procedures.* (1) The Administrator does not approve the test procedures for establishing the evaporative or refueling emission deterioration factors for light-duty vehicles and light-duty trucks. The manufacturer shall submit the procedures as required in § 86.098-21(b)(4)(i) prior to the Administrator’s selection of the test fleet under § 86.098-24(b)(1), and if such procedures will involve testing of durability data vehicles selected by the Administrator or elected by the manufacturer under § 86.098-24(c)(1), prior to initiation of such testing.

(d)(2)-(g) [Reserved]. For guidance see § 86.094-22.

[59 FR 16283, Apr. 6, 1994]

**§ 86.001-23 Required data.**

Section 86.001-23 includes text that specifies requirements that differ from § 86.095-23, § 86.098-23 or § 86.000-23. Where a paragraph in § 86.095-23, § 86.098-23 or § 86.000-23 is identical and applicable to § 86.001-23, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see § 86.095-23.” or “[Reserved]. For guidance see § 86.098-23.” or “[Reserved]. For guidance see § 86.000-23.”

(a)-(b)(1) [Reserved]. For guidance see § 86.098-23.

(b)(2) For light-duty vehicles and light-duty trucks, the manufacturer shall submit evaporative emission and/or refueling emission deterioration factors for each evaporative/refueling emission family-emission control system combination and all test data that are derived from testing described under § 86.001-21(b)(4)(i) designed and conducted in accordance with good engineering practice to assure that the vehicles covered by a certificate issued under § 86.001-30 will meet the evaporative and/or refueling emission standards in § 86.099-8 or § 86.001-9, as appropriate, for the useful life of the vehicle.

(b)(3) and (b)(4) [Reserved]. For guidance see § 86.098-23.

(c)(1) [Reserved]. For guidance see § 86.095-23.

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(c)(2)-(e)(1) [Reserved]. For guidance see § 86.098-23.

(e)(2) For evaporative and refueling emissions durability, or light-duty truck or HDE exhaust emissions durability, a statement of compliance with paragraph (b)(2) of this section or § 86.098-23 (b)(1)(ii), (b)(3), or (b)(4) as applicable.

(3) For certification of vehicles with non-integrated refueling systems, a statement that the drivedown used to purge the refueling canister was the same as described in the manufacturer's application for certification. Furthermore, a description of the procedures used to determine the number of equivalent UDDS miles required to purge the refueling canisters, as determined by the provisions of § 86.001-21(b)(5)(v) and subpart B of this part. Furthermore, a written statement to the Administrator that all data, analyses, test procedures, evaluations and other documents, on which the above statement is based, are available to the Administrator upon request.

(f)-(g) [Reserved]. For guidance see § 86.095-23.

(h)-(m) [Reserved]. For guidance see § 86.098-23.

[61 FR 54887, Oct. 22, 1996, as amended at 62 FR 54720, Oct. 21, 1997]

### § 86.001-24 Test vehicles and engines.

Section 86.001-24 includes text that specifies requirements that differ from § 86.096-24, § 86.098-24 or § 86.000-24. Where a paragraph in § 86.096-24, § 86.098-24 or § 86.000-9 is identical and applicable to § 86.001-24, this may be indicated by specifying the corresponding paragraph and the statement "[Reserved]. For guidance see § 86.096-24." or "[Reserved]. For guidance see § 86.098-24." or "[Reserved]. For guidance see § 86.000-24."

(a)-(a)(4) [Reserved]. For guidance see § 86.096-24.

(a)(5)-(a)(7) [Reserved]. For guidance see § 86.098-24.

(a)(8)-(b)(1) introductory text [Reserved]. For guidance see § 86.096-24.

(b)(1)(i)-(b)(1)(ii) [Reserved]. For guidance see § 86.000-24.

(b)(1)(iii)-(b)(1)(vi) [Reserved]. For guidance see § 86.096-24.

(b)(1)(vii)(A)-(b)(1)(viii)(A) [Reserved]. For guidance see § 86.098-24.

(b)(1)(viii)(B)-(e)(2) [Reserved]. For guidance see § 86.096-24.

(f) Carryover and carryacross of durability and emission data. In lieu of testing an emission-data or durability vehicle (or engine) selected under § 86.096-24(b)(1) introductory text, (b)(1)(iii)-(b)(1)(vi) and § 86.000-24(b)(1)(i)-(b)(1)(ii) and § 86.098-24(b)(1)(vii)(A)-(b)(1)(viii)(A) or § 86.096-24(c), and submitting data therefor, a manufacturer may, with the prior written approval of the Administrator, submit exhaust emission data, evaporative emission data and/or refueling emission data, as applicable, on a similar vehicle (or engine) for which certification has been obtained or for which all applicable data required under § 86.001-23 has previously been submitted.

(g)(1)-(g)(2) [Reserved]. For guidance see § 86.096-24.

(g)(3)-(g)(4) [Reserved]. For guidance see § 86-000-24.

(h) [Reserved]. For guidance see § 86.096-24.

[61 FR 54887, Oct. 22, 1996]

### § 86.001-25 Maintenance.

Section 86.001-25 includes text that specifies requirements that differ from § 86.094-25 or § 86.098-25. Where a paragraph in § 86.094-25 or § 86.098-25 is identical and applicable to § 86.001-25, this may be indicated by specifying the corresponding paragraph and the statement "[Reserved]. For guidance see § 86.094-25." or "[Reserved]. For guidance see § 86.098-25."

(a)(1) Applicability. This section applies to light-duty vehicles, light-duty trucks, and heavy-duty engines.

(2) Maintenance performed on vehicles, engines, subsystems, or components used to determine exhaust, evaporative or refueling emission deterioration factors, as appropriate, is classified as either emission-related or non-emission-related and each of these can be classified as either scheduled or unscheduled. Further, some emission-related maintenance is also classified as critical emission-related maintenance.

(b) introductory text through (b)(3)(vi)(D) [Reserved]. For guidance see § 86.094-25.

(b)(3)(vi)(E)-(b)(3)(vi)(J) [Reserved]. For guidance see § 86.098-25.