

Environmental Protection Agency

§ 86.004-26

is no prior in-use experience without the signal. To that end, the manufacturer may in a given model year market up to 200 randomly selected vehicles per critical emission-related maintenance item without such visible signals, and monitor the performance of the critical maintenance item by the owners to show compliance with paragraph (b)(6)(ii)(B) of this section. This option is restricted to two consecutive model years and may not be repeated until any previous survey has been completed. If the critical maintenance involves more than one engine family, the sample will be sales weighted to ensure that it is representative of all the families in question.

(E) The manufacturer provides the maintenance free of charge, and clearly informs the customer that the maintenance is free in the instructions provided under § 86.087-38.

(F) Any other method which the Administrator approves as establishing a reasonable likelihood that the critical maintenance will be performed in-use.

(iii) Visible signal systems used under paragraph (b)(6)(ii)(C) of this section are considered an element of design of the emission control system. Therefore, disabling, resetting, or otherwise rendering such signals inoperative without also performing the indicated maintenance procedure is a prohibited act under section 203(a)(3) of the Clean Air Act (42 U.S.C. 7522(a)(3)).

(b)(7)-(h) [Reserved]. For guidance see § 86.094-25.

[62 FR 54725, Oct. 21, 1997]

§ 86.004-26 Mileage and service accumulation; emission measurements.

Section 86.004-26 includes text that specifies requirements that differ from § 86.094-26, § 86.095-26, § 86.096-26, § 86.098-26, § 86.000-26, or § 86.001-26. Where a paragraph in § 86.094-26, § 86.095-26, § 86.096-26, § 86.098-26, § 86.000-26 or § 86.001-26 is identical and applicable to § 86.004-26, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]. For guidance see § 86.094-26.” or “[Reserved]. For guidance see § 86.095-26.” or “[Reserved]. For guidance see § 86.096-26.” or “[Reserved]. For guidance see § 86.098-26.” or “[Reserved]. For guidance see

§ 86.000-26.” or “[Reserved]. For guidance see § 86.001-26.”.

(a)(1) [Reserved]. For guidance see § 86.094-26.

(a)(2)-(a)(3)(i)(A) [Reserved]. For guidance see § 86.000-26.

(a)(3)(i)(B) [Reserved]. For guidance see § 86.094-26.

(a)(3)(i)(C) [Reserved]. For guidance see § 86.098-26.

(a)(3)(i)(D)-(a)(3)(ii)(B) [Reserved]. For guidance see § 86.094-26.

(a)(3)(ii)(C) [Reserved]. For guidance see § 86.098-26.

(a)(3)(ii)(D)-(a)(4)(i)(B)(4) [Reserved]. For guidance see § 86.094-26.

(a)(4)(i)(C) [Reserved]. For guidance see § 86.000-26.

(a)(4)(i)(D)-(a)(6)(ii) [Reserved]. For guidance see § 86.094-26.

(a)(6)(iii) [Reserved]. For guidance see § 86.000-26.

(a)(7)-(a)(9)(i) [Reserved]. For guidance see § 86.094-26.

(a)(9)(ii) [Reserved]. For guidance see § 86.000-26.

(a)(9)(iii)-(b)(2) introductory text [Reserved]. For guidance see § 86.094-26.

(b)(2)(i)-(b)(2)(ii) [Reserved]. For guidance see § 86.000-26.

(b)(2)(iii) [Reserved]. For guidance see § 86.094-26.

(b)(2)(iv) [Reserved]. For guidance see § 86.001-26.

(b)(3)-(b)(4)(i)(B) [Reserved]. For guidance see § 86.094-26.

(b)(4)(i)(C) [Reserved]. For guidance see § 86.001-26.

(b)(4)(i)(D)-(b)(4)(ii)(B) [Reserved]. For guidance see § 86.095-26.

(b)(4)(ii)(C) [Reserved]. For guidance see § 86.001-26.

(b)(4)(ii)(D) [Reserved]. For guidance see § 86.095-26.

(b)(4)(iii) [Reserved]

(b)(4)(iv) [Reserved]. For guidance see § 86.094-26.

(c)(1) Paragraph (c) of this section applies to heavy-duty engines.

(2) Two types of service accumulation are applicable to heavy-duty engines, as described in paragraphs (c)(2)(i) and (ii) of this section. For Otto-cycle heavy-duty engines exhaust emissions, the service accumulation method used by a manufacturer must be designed to effectively predict the deterioration of emissions in actual use over the full useful life of the of the candidate in-

§ 86.004-28

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

use vehicles and must cover the breadth of the manufacturer's product line that will be covered by the durability procedure. Manufacturers not selecting Options 1 or 2 described in § 86.005-10(f) may certify Otto-cycle engines using the provisions contained in § 86.094-26(c)(2) rather than those contained in this paragraph (c)(2) for 2004 model year engine families certified using carry-over durability data, except for those engines used for early credit banking as allowed in § 86.000-15(k).

(i) Service accumulation on engines, subsystems, or components selected by the manufacturer under § 86.094-24(c)(3)(i). The manufacturer determines the form and extent of this service accumulation, consistent with good engineering practice, and describes it in the application for certification.

(ii) Dynamometer service accumulation on emission data engines selected under § 86.094-24(b)(2) or (3). The manufacturer determines the engine operating schedule to be used for dynamometer service accumulation, consistent with good engineering practice. A single engine operating schedule shall be used for all engines in an engine family-control system combination. Operating schedules may be different for different combinations.

(3) Exhaust emission deterioration factors will be determined on the basis of the service accumulation described in § 86.000-26(b)(2)(i) and related testing, according to the manufacturer's procedures.

(c)(4) [Reserved]. For guidance see § 86.096-26.

(d)(1)-(d)(2)(i) [Reserved]. For guidance see § 86.094-26.

(d)(2)(ii) [Reserved]. For guidance see § 86.000-26.

(d)(3) [Reserved]. For guidance see § 86.094-26.

(d)(4) and (5) [Reserved].

(d)(6) [Reserved]. For guidance see § 86.094-26.

[65 FR 59947, Oct. 6, 2000]

§ 86.004-28 Compliance with emission standards.

Section 86.004-28 includes text that specifies requirements that differ from § 86.094-28, § 86.098-28, § 86.000-28 or § 86.001-28. Where a paragraph in

§ 86.094-28, § 86.098-28, § 86.000-28 or § 86.001-28 is identical and applicable to § 86.004-28, this may be indicated by specifying the corresponding paragraph and the statement "[Reserved]. For guidance see § 86.094-28." or "[Reserved]. For guidance see § 86.098-28." or "[Reserved]. For guidance see § 86.000-28." or "[Reserved]. For guidance see § 86.001-28."

(a)(1)-(a)(2) [Reserved]. For guidance see § 86.000-28.

(a)(3) [Reserved]. For guidance see § 86.094-28.

(a)(4) introductory text [Reserved]. For guidance see § 86.098-28.

(a)(4)(i) [Reserved]. For guidance see § 86.000-28.

(a)(4)(i)(A)-(a)(4)(i)(B)(2)(j) [Reserved]. For guidance see § 86.094-28.

(a)(4)(i)(B)(2)(ii) [Reserved]. For guidance see § 86.000-28.

(a)(4)(i)(B)(2)(iii)-(a)(4)(i)(B)(2)(iv) [Reserved]. For guidance see § 86.094-28.

(a)(4)(i)(C)-(a)(4)(i)(D)(2) [Reserved]. For guidance see § 86.098-28.

(a)(4)(ii)(A)(1)-(a)(4)(ii)(A)(2) [Reserved]. For guidance see § 86.000-28.

(a)(4)(ii)(B)-(a)(4)(ii)(C) [Reserved]. For guidance see § 86.098-28.

(a)(4)(iii) [Reserved]. For guidance see § 86.000-28.

(a)(4)(iv) [Reserved]. For guidance see § 86.094-28.

(a)(4)(v) [Reserved]. For guidance see § 86.098-28.

(a)(5)-(a)(6) [Reserved]. For guidance see § 86.094-28.

(a)(7) introductory text [Reserved]. For guidance see § 86.098-28.

(a)(7)(i) [Reserved]. For guidance see § 86.000-28.

(a)(7)(ii) [Reserved]. For guidance see § 86.094-28.

(b)(1) This paragraph (b) applies to light-duty trucks.

(2) Each exhaust, evaporative and refueling emission standard (and family emission limits, as appropriate) of § 86.004-9 applies to the emissions of vehicles for the appropriate useful life as defined in §§ 86.098-2 and 86.004-9.

(b)(3)-(b)(4)(i) [Reserved]. For guidance see § 86.094-28.

(b)(4)(ii)-(b)(6) [Reserved]. For guidance see § 86.000-28.

(b)(7)(i)-(b)(9) [Reserved]. For guidance see § 86.001-28.