§ 86.131–00 Vehicle preparation.

Section 86.131–00 includes text that specifies requirements that differ from §86.131–96. Where a paragraph in §86.131–96 is identical and applicable to §86.131–00, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]”. For guidance see §86.131–96.

(a)–(e) [Reserved]. For guidance see §86.131–96.

(f) For vehicles to be tested for aggressive driving emissions (US06), provide a throttle position sensing signal that is compatible with the test dynamometer. This signal provides the input information that controls dynamometer dynamic inertia weight adjustments (see §§86.108–00(b)(2)(i) and 86.129–00(f)(2)). If a manufacturer chooses not to implement dynamic inertia adjustments for a portion or all of their product line, this requirement is not applicable.

(g) You may disable any AECDs that have been approved solely for emergency vehicle applications under paragraph (4) of the definition of defeat device. The emission standards do not apply when any of these AECDs are active.


§ 86.132–00 Vehicle preconditioning.

Applicability. Section 86.132–96 (a) through (c)(1) and (d) through (m) and paragraph (c)(2) of this section are applicable to FTP and evaporative emission testing. Paragraphs (n) and (o) of this section are applicable to vehicles tested for the SFTP supplemental tests of aggressive driving (US06) and air conditioning (SC03). Section 86.132–00 includes text that specifies requirements that differ from §86.132–96. Where a paragraph in §86.132–96 is identical and applicable to §86.132–00, this may be indicated by specifying the corresponding paragraph and the statement “[Reserved]”. For guidance see §86.132–96.

(a)–(c)(1) [Reserved]. For guidance see §86.132–96.

(c)(2)(i) Once a test vehicle has completed the refueling and vehicle soak steps specified in §86.132–96 (b) and (c)(1), these steps may be omitted in subsequent testing with the same vehicle and the same fuel specifications, provided the vehicle remains under laboratory ambient temperature conditions for at least 6 hours before starting the next test. In such cases, each subsequent test shall begin with the preconditioning drive specified in §86.132–96(c)(1). The test vehicle may not be used to set dynamometer horsepower.

(ii) The SFTP test elements of aggressive driving (US06) and air conditioning (SC03) can be run immediately or up to 72 hours after the official FTP and/or evaporative test sequence without refueling provided the vehicle has remained under laboratory ambient temperature conditions. If the time interval exceeds 72 hours the vehicle

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§ 86.132–96 Vehicle preconditioning.

(a) Fuel tank cap(s) of gasoline- and methanol-fueled vehicles shall be removed during any period that the vehicle is parked outdoors awaiting testing, to prevent unusual loading of the canisters. During this time care must be taken to prevent entry of water or other contaminants into the fuel tank. During storage in the test area while awaiting testing, the fuel tank cap(s) may be in place. The vehicle shall be moved into the test area and the following operations performed.

(b)(1) Gasoline- and Methanol-Fueled Vehicles. Drain the fuel tank(s) and fill with test fuel, as specified in § 86.113, to the “tank fuel volume” defined in § 86.082–2. The fuel cap(s) shall be installed within one minute after refueling.

(2) Gaseous-Fueled Vehicles. Vehicle fuel tanks to be filled with fuel that meets the specifications in § 86.113. Fuel tanks shall be filled to a minimum of 75% of service pressure for natural gas-fueled vehicles or a minimum of 75% of available fill volume for liquefied petroleum gas-fueled vehicles. Prior draining of the fuel tanks is not called for if the fuel in the tanks already meets the specifications in § 86.113.

(c)(1) Gasoline- and methanol-fueled vehicles shall be soaked for at least 6 hours after being refueled. Petroleum-fueled diesel vehicles and gaseous-fueled vehicles shall be soaked for at