vehicles, and on-highway motorcycles as such vehicles and engines are regulated under section 177 and Title II part A of the Clean Air Act.

§ 85.2302 Definition of model year.

Model year means the manufacturer's annual production period (as determined under § 85.2304) which includes January 1 of such calendar year, provided, that if the manufacturer has no annual production period, the term "model year" shall mean the calendar year.

§ 85.2303 Duration of model year.

A specific model year must always include January 1 of the calendar year for which it is designated and may not include a January 1 of any other calendar year. Thus, the maximum duration of a model year is one calendar year plus 364 days.

§ 85.2304 Definition of production period.

(a) The "annual production period" for all models within an engine family of light-duty motor vehicles, heavy-duty motor vehicles and engines, and on-highway motorcycles begins either: when any vehicle or engine within the engine family is first produced; or on January 2 of the calendar year preceding the year for which the model year is designated, whichever date is later. The annual production period ends either: When the last such vehicle or engine is produced; or on December 31 of the calendar year for which the model year is named, whichever date is sooner.

(b) The date when a vehicle or engine is first produced is the "Job 1 date," which is defined as that calendar date on which a manufacturer completes all manufacturing and assembling processes necessary to produce the first saleable unit of the designated model which is in all material respects the same as the vehicle or engine described in the manufacturer's application for certification. The "Job 1 date" may be a date earlier in time than the date on which the certificate of conformity is issued.

§ 85.2305 Duration and applicability of certificates of conformity.

(a) Except as provided in paragraph (b) of this section, a certificate of conformity is deemed to be effective and cover the vehicles or engines named in such certificate and produced during the annual production period, as defined in § 85.2304.

(b) Section 203 of the Clean Air Act prohibits the sale, offering for sale, delivery for introduction into commerce, and introduction into commerce, of any new vehicle or engine not covered by a certificate of conformity unless it is an imported vehicle exempted by the Administrator or otherwise authorized jointly by EPA and U.S. Customs Service regulations. However, the Act does not prohibit the production of vehicles or engines without a certificate of conformity. Vehicles or engines produced prior to the effective date of a certificate of conformity, as defined in paragraph (a) of this section, may also be covered by the certificate if the following conditions are met:

(1) The vehicles or engines conform in all material respects to the vehicles or engines described in the application for the certificate of conformity:

(2) The vehicles or engines are not sold, offered for sale, introduced into commerce, or delivered for introduction into commerce prior to the effective date of the certificate of conformity;

(3) The Agency is notified prior to the beginning of production when such production will start, and the Agency is provided full opportunity to inspect and/or test the vehicles during and after their production; for example, the Agency must have the opportunity to conduct selective enforcement auditing production line testing as if the vehicles had been produced after the effective date of the certificate.

(c) New vehicles or engines imported by an original equipment manufacturer after December 31 of the calendar year for which the model year was named are still covered by the certificate of conformity as long as the production of the vehicle or engine was completed before December 31 of that year. This paragraph does not apply to vehicles that may be covered by certificates

held by independent commercial importers unless specifically approved by EPA.

(d) Vehicles or engines produced after December 31 of the calendar year for which the model year is named are not covered by the certificate of conformity for that model year. A new certificate of conformity demonstrating compliance with currently applicable standards must be obtained for these vehicles or engines even if they are identical to vehicles or engines built before December 31.

(e) The extended coverage period described here for a certificate of conformity (i.e., up to one year plus 364 days) is primarily intended to allow flexibility in the introduction of new models. Under no circumstances should it be interpreted that existing models may "skip" yearly certification by pulling ahead the production of every other model year.

APPENDICES TO PART 85

APPENDIX I–APPENDIX VII [RESERVED]

APPENDIX VIII—VEHICLE AND ENGINE PARAMETERS AND SPECIFICATIONS

A. LIGHT DUTY VEHICLE PARAMETERS AND SPECIFICATIONS

I. Basic Engine Parameters-Reciprocating Engines.
1. Compression ratio.
2. Cranking compression pressure.
3. Valves (intake and exhaust).
a. Head diameter dimension.
b. Valve lifter or actuator type and valve lash dimension.
4. Camshaft timing.
a. Valve opening (degrees BTDC).
b. Valve closing (degrees ATDC).
c. Valve overlap (inch-degrees).
II. Basic Engine Parameters—Rotary Engines.
1. Intake port(s).
a. Timing and overlap if exposed to the combustion chamber.
2. Exhaust port(s).
a. Timing and overlap if exposed to the combustion chamber.
3. Cranking compression pressure.
4. Compression ratio.
III. Air Inlet System.
1. Temperature control system calibration.
IV. Fuel System.
1. General.
a. Engine idle speed.
b. Engine idle mixture.
2. Carburetion.
a. Air-fuel flow calibration.
b. Transient enrichment system calibration.
c. Starting enrichment system calibration.
d. Altitude compensation system calibration.
e. Hot idle compensation system calibration.
3. Fuel injection.
a. Control parameters and calibration.
b. Fuel shutoff system calibration.
c. Starting enrichment system calibration.
d. Transient enrichment system calibration.
e. Air-fuel flow calibration.
f. Altitude compensation system calibration.
g. Operating pressure(s).
h. Injector timing calibrations.
V. Injection System.
1. Control parameters and calibration.
2. Initial timing setting.
3. Dwell setting.
4. Altitude compensation system calibration.
5. Spark plug voltage.
VI. Engine Cooling System.
1. Thermostat calibration.
VII. Exhaust Emission Control System.
1. Air injection system.
a. Control parameters and calibrations.
b. Pump flow rate.
2. EGR system.
a. Control parameters and calibrations.
b. EGR valve flow calibration.
3. Catalytic converter system.
a. Active surface area.
b. Volume of catalyst.
c. Conversion efficiency.
4. Backpressure.
VIII. Evaporative Emission Control System.
1. Control parameters and calibrations.
2. Fuel tank.
a. Pressure and vacuum relief settings.
IX. Crankcase Emission Control System.
1. Control parameters and calibrations.
2. Valve calibration.
X. Auxiliary Emission Control Devices (AECD).
1. Control parameters and calibrations.
2. Component calibration(s).
XI. Emission Control Related Warning Systems.
1. Control parameters and calibrations.
2. Component calibrations.
XII. Driveline Parameters.
1. Axle ratio(s).

B. HEAVY DUTY GASOLINE ENGINE PARAMETERS AND SPECIFICATIONS

I. Basic Engine Parameters.
1. Compression ratio.
2. Cranking compression pressure.
3. Supercharger/turbocharger calibration.
4. Valves (intake and exhaust).

a. Head diameter dimension.
b. Valve lifter or actuator type and valve lash dimension.
5. Camshaft timing.
a. Valve opening (degrees BTDC).
b. Valve closing (degrees ATDC).
c. Valve overlap (inch-degrees).
II. Air Inlet System.
1. Temperature control system calibration.
III. Fuel System.
1. General.
a. Engine idle speed.
b. Engine idle mixture.
2. Carburetion.
a. Air-fuel flow calibration.
b. Transient enrichment system calibration.
c. Starting enrichment system calibration.
d. Altitude compensation system calibration.
e. Hot idle compensation system calibration.
3. Fuel injection.
a. Control parameters and calibrations.
b. Fuel shutoff system calibration.
c. Starting enrichment system calibration.
d. Transient enrichment system calibration.
e. Air-fuel flow calibration.
f. Altitude compensation system calibration.
g. Operating pressure(s).
h. Injector timing calibration.
IV. Ignition System.
1. Control parameters and calibration.
2. Initial timing setting.
3. Dwell setting.
4. Altitude compensation system calibration.
5. Spark plug voltage.
V. Engine Cooling System.
1. Thermostat calibration.
VI. Exhaust Emission Control System.
1. Air injection system.
a. Control parameters and calibrations.
b. Pump flow rate.
2. EGR system.
a. Control parameters and calibrations.
b. EGR valve flow calibration.
3. Catalytic converter system.
a. Active surface area.
b. Volume of catalyst.
c. Conversion efficiency.
4. Backpressure.
VII. Evaporative Emission Control System.
1. Control parameters and calibrations.
2. Fuel tank.
a. Pressure and vacuum relief settings.
VIII. Crankcase Emission Control System.
1. Control parameters and calibrations.
2. Valve calibrations.
IX. Auxiliary Emission Control Devices (AECD).
1. Control parameters and calibrations.
2. Component calibrations.
X. Emission Control Related Warning Systems.
1. Control parameters and calibrations.
2. Component calibrations.

C. HEAVY DUTY DIESEL ENGINE PARAMETERS AND SPECIFICATIONS

I. Basic Engine Parameters-Four Stroke Cycle Reciprocating Engines.
1. Compression ratio.
2. Cranking compression pressure.
3. Supercharger/turbocharger calibration.
4. Valves (intake and exhaust).
a. Head diameter dimension.
b. Valve lifter or actuator type and valve lash dimension.
5. Camshaft timing.
a. Valve opening (degrees BTDC).
b. Valve closing (degrees ATDC).
c. Valve overlap (inch-degrees).
II. Basic Engine Parameters—Two-Stroke Cycle Reciprocating Engine.
1.–5. Same as Section C.I.
6. Intake port(s).
a. Timing in combustion cycle.
7. Exhaust port(s).
a. Timing in combustion cycle.
III. Air Inlet System.
1. Temperature control system calibration.
2. Maximum allowable air inlet restriction.
IV. Fuel System.
1. Fuel injection.
a. Control parameters and calibrations.
b. Transient enrichment system calibration.
c. Air-fuel flow calibration.
d. Altitude compensation system calibration.
e. Operating pressure(s).
f. Injector timing calibration.
V. Exhaust Emission Control System.
1. Maximum allowable backpressure.
VI. Crankcase Emission Control System.
1. Control parameters and calibrations.
2. Valve calibrations.
VII. Auxiliary Emission Control Devices (AECD).
1. Control parameters and calibrations.
2. Component calibration(s).

[42 FR 28129, June 2, 1977]