

Environmental Protection Agency

§ 1048.810

§ 1048.801 What definitions apply to this part?

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Critical emission-related component means any of the following components: (1) Electronic control units, aftertreatment devices, fuel-metering components, EGR-system components, crankcase-ventilation valves, all components related to charge-air compression and cooling, and all sensors and actuators associated with any of these components.

(2) Any other component whose primary purpose is to reduce emissions.

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§ 1048.805 What symbols, acronyms, and abbreviations does this part use?

The following symbols, acronyms, and abbreviations apply to this part:

- °C degrees Celsius.
- ASTM American Society for Testing and Materials.
- cc cubic centimeters.
- CFR Code of Federal Regulations.
- cm centimeter.
- CO carbon monoxide.
- CO₂ carbon dioxide.
- EPA Environmental Protection Agency.
- g/kW-hr grams per kilowatt-hour.
- HC hydrocarbon.
- ISO International Organization for Standardization.
- kPa kilopascals.
- kW kilowatts.
- LPG liquefied petroleum gas.
- m meters.
- MIL malfunction-indicator light.
- mm Hg millimeters of mercury.
- NMHC nonmethane hydrocarbons.
- NO_x oxides of nitrogen (NO and NO₂).
- psi pounds per square inch of absolute pressure.

- psig pounds per square inch of gauge pressure.
- rpm revolutions per minute.
- SAE Society of Automotive Engineers.
- SI spark-ignition.
- THC total hydrocarbon.
- THCE total hydrocarbon equivalent.
- U.S.C. United States Code.

§ 1048.810 What materials does this part reference?

We have incorporated by reference the documents listed in this section. The Director of the Federal Register approved the incorporation by reference as prescribed in 5 U.S.C. 552(a) and 1 CFR part 51. Anyone may inspect copies at the U.S. EPA, Air and Radiation Docket and Information Center, 1301 Constitution Ave., NW., Room B102, EPA West Building, Washington, DC 20460 or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(a) *ASTM material.* Table 1 of § 1048.810 lists material from the American Society for Testing and Materials that we have incorporated by reference. The first column lists the number and name of the material. The second column lists the sections of this part where we reference it. Anyone may purchase copies of these materials from the American Society for Testing and Materials, 100 Barr Harbor Dr., West Conshohocken, PA 19428. Table 1 follows:

TABLE 1 OF § 1048.810—ASTM MATERIALS

Document number and name	Part 1048 reference
ASTM E29-02, Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications	1048.801

(b) *SAE material.* Table 2 of § 1048.810 lists material from the Society of Automotive Engineering that we have incorporated by reference. The first column lists the number and name of the material. The second column lists

the sections of this part where we reference it. Anyone may purchase copies of these materials from the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096. Table 2 follows:

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TABLE 2 OF § 1048.810—SAE MATERIALS

Document number and name	Part 1048 reference
SAE J1930, Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations, and Acronyms, May 1998	1048.135
SAE J2260, Nonmetallic Fuel System Tubing with One or More Layers, November 1996	1048.105

(c) *ISO material.* Table 3 of § 1048.810 lists material from the International Organization for Standardization that we have incorporated by reference. The first column lists the number and name of the material. The second column

lists the section of this part where we reference it. Anyone may purchase copies of these materials from the International Organization for Standardization, Case Postale 56, CH-1211 Geneva 20, Switzerland. Table 3 follows:

TABLE 3 OF § 1048.810—ISO MATERIALS

Document number and name	Part 1048 reference
ISO 9141-2 Road vehicles—Diagnostic systems—Part 2: CARB requirements for interchange of digital information, February 1994	1048.110
ISO 14230-4 Road vehicles—Diagnostic systems—Keyword Protocol 2000—Part 4: Requirements for emission-related systems, June 2000	1048.110

[67 FR 68347, Nov. 8, 2002, as amended at 69 FR 18803, Apr. 9, 2004]

§ 1048.815 How should I request EPA to keep my information confidential?

(a) Clearly show what you consider confidential by marking, circling, bracketing, stamping, or some other method. We will store your confidential information as described in 40 CFR part 2. Also, we will disclose it only as specified in 40 CFR part 2.

(b) If you send us a second copy without the confidential information, we will assume it contains nothing confidential whenever we need to release information from it.

(c) If you send us information without claiming it is confidential, we may make it available to the public without further notice to you, as described in 40 CFR 2.204.

§ 1048.820 How do I request a hearing?

See 40 CFR part 1068, subpart G, for information related to hearings.

APPENDIX I TO PART 1048—LARGE SPARK-IGNITION (SI) TRANSIENT CYCLE FOR CONSTANT-SPEED ENGINES

The following table shows the transient duty-cycle for constant-speed engines, as described in § 1048.510:

Time(s)	Normalized speed (percent)	Normalized torque (percent)
1	58	5
2	58	5
3	58	5
4	58	5
5	58	5
6	58	5
7	58	5
8	58	5
9	58	5
10	58	5
11	58	5
12	65	8
13	72	9
14	79	12
15	86	14
16	93	16
17	93	16
18	93	16
19	93	16
20	93	16
21	93	16
22	93	16
23	93	16
24	93	31
25	93	30
26	93	27
27	93	23
28	93	24
29	93	21
30	93	20