

[42 FR 33002, June 28, 1977]

APPENDIX V TO PART 86—THE STANDARD ROAD CYCLE (SRC)

1. The standard road cycle (SRC) is a mileage accumulation cycle that may be used for any vehicle which is covered by the applicability provisions of §86.1801. The vehicle may

be run on a track or on a mileage accumulation dynamometer.

2. The cycle consists of 7 laps of a 3.7 mile course. The length of the lap may be changed to accommodate the length of the service-accumulation track.

DESCRIPTION OF THE SRC

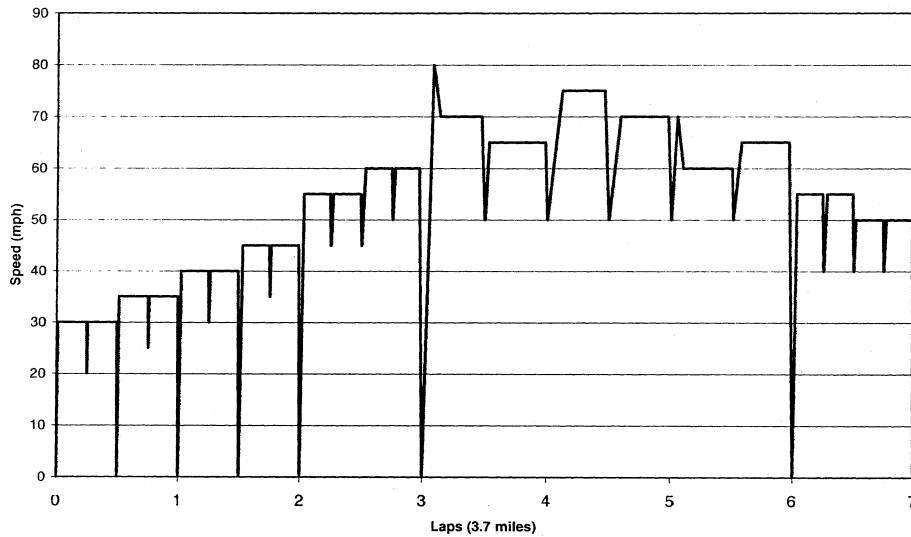
Lap	Description	Typical accel rate (MPH/s)
1	(start engine) Idle 10 sec	0
1	Mod accel to 30 MPH	4
1	Cruise at 30 MPH for 1/4 lap	0
1	Mod. decel to 20 MPH	-5
1	Mod accel to 30 MPH	4
1	Cruise at 30 MPH for 1/4 lap	0
1	Mod. decel to stop	-5
1	Idle 5 sec	0
1	Mod accel to 35 MPH	4
1	Cruise at 35 MPH for 1/4 lap	0
1	Mod. decel to 25 MPH	-5
1	Mod accel to 35 MPH	4
1	Cruise at 35 MPH for 1/4 lap	0
1	Mod. decel to stop	-5
2	Idle 10 sec	0
2	Mod accel to 40 MPH	3
2	Cruise at 40 MPH for 1/4 lap	0
2	Mod. decel to 30 MPH	-5
2	Mod accel to 40 MPH	3
2	Cruise at 40 MPH for 1/4 lap	0
2	Mod. decel to stop	-5
2	Idle 5 sec	0
2	Mod accel to 45 MPH	3
2	Cruise at 45 MPH for 1/4 lap	0
2	Mod. decel to 35 MPH	-5
2	Mod accel to 45 MPH	3
2	Cruise at 45 MPH for 1/4 lap	0
2	Mod. decel to stop	-5
3	Idle 10 sec	0
3	Hard accel to 55 MPH	4
3	Cruise at 55 MPH for 1/4 lap	0
3	Mod. decel to 45 MPH	-5
3	Mod accel to 55 MPH	2
3	Cruise at 55 MPH for 1/4 lap	0
3	Mod. decel to 45 MPH	-5
3	Mod accel to 60 MPH	2
3	Cruise at 60 MPH for 1/4 lap	0
3	Mod. decel to 50 MPH	-5
3	Mod. accel to 60 MPH	2
3	Cruise at 60 MPH for 1/4 lap	0
3	Mod. decel to stop	-4
4	Idle 10 sec	0
4	Hard accel to 80 MPH	3
4	Coastdown to 70 MPH	-1
4	Cruise at 70 MPH for 1/2 Lap	0
4	Mod. decel to 50 MPH	-3
4	Mod accel to 65 MPH	2
4	Cruise at 65 MPH for 1/2 lap	0
4	Mod. decel to 50 MPH	-3
5	Mod accel to 75 MPH	1
5	Cruise at 75 MPH for 1/2 lap	0
5	Mod. decel to 50 MPH	-3
5	Lt. accel to 70 MPH	1
5	Cruise at 70 MPH for 1/2 lap	0
5	Mod. decel 50 MPH	-3
6	Mod accel to 70 MPH	2
6	Coastdown to 60 MPH	-1
6	Cruise at 60 MPH for 1/2 lap	0
6	Mod. decel to 50 MPH	-4
6	Mod. accel to 65 MPH	1
6	Cruise at 65 MPH for 1/2 lap	0
6	Mod. decel to stop	-4
7	Idle 45 sec	0
7	Hard accel to 55 MPH	4
7	Cruise at 55 MPH for 1/4 lap	0

DESCRIPTION OF THE SRC—Continued

Lap	Description	Typical accel rate (MPH/s)
7	Mod. decel to 40 MPH	-5
7	Mod. accel to 55 MPH	2
7	Cruise at 55 MPH for ¼ lap	0
7	Mod. decel to 40 MPH	-5
7	Mod. accel to 50 MPH	2
7	Cruise at 50 MPH for ¼ lap	0
7	Mod. decel to 40 MPH	-5
7	Mod. accel to 50 MPH	2
7	Cruise at 50 MPH for ¼ lap	0
7	Mod. decel to stop	-5

The standard road cycle is represented graphically in the following figure:

Standard Road Cycle (SRC)



[71 FR 2837, Jan. 17, 2006]

APPENDIX VI TO PART 86—VEHICLE AND ENGINE COMPONENTS

(a) Light-Duty Vehicles, Light-Duty Trucks, Motorcycles, and Gasoline-Fueled Heavy-Duty Engines.

I. Basic Mechanical Components-Engine.

- (1) Intake and exhaust valves.
- (2) Drive belts.
- (3) Manifold and cylinder head bolts.
- (4) Engine oil and filter.
- (5) Engine coolant.

- (6) Cooling system hoses and connections.
- (7) Vacuum fittings, hoses, and connections.

(8) Oil injection metering system.

II. Fuel System.

- (1) Fuel specification-octane rating, lead content.
- (2) Carburetor-idle RPM, mixture ratio.
- (3) Choke mechanism.
- (4) Fuel system filter and fuel system lines and connections.
- (5) Choke plate and linkage.

III. Ignition Components.

- (1) Ignition timing and advance systems.