FIGURE F98–9—Continued

Loaded vehicle mass (kg)	Equivalent inertial mass (kg)	Force coefficients		Force at 65 km/h (nt)	70 to 60 km/h coastdown calibration times		
		A (nt)	C (nt/(km/h)^2)		Target time (sec)	Allowable tolerance	
						Longest time (sec)	Shortest time (sec)
716–725	720	54.13	.0335	195.5	10.26	10.5	10.0
726–735	730	55.01	.0335	196.6	10.34	10.6	10.1
736–745	740	55.88	.0336	197.8	10.42	10.7	10.2
746–755	750	56.75	.0336	198.9	10.50	10.8	10.2
756–765	760	57.63	.0337	200.1	10.58	10.9	10.3
766–775	770	58.50	.0338	201.2	10.66	10.9	10.3
776–785	780	59.38	.0338	203.3	10.74	11.0	10.4
786–795	790	60.25	.0339	204.5	10.82	11.1	10.5
796–805	800	61.12	.0339	205.6	10.91	11.2	10.6
806–815	810	62.00	.0340	206.7	10.99	11.3	10.7
816–825	820	62.87	.0341	207.9	11.07	11.4	10.8
826–835	830	63.75	.0341	209.0	11.15	11.5	10.8
836–845	840	64.62	.0342	210.1	11.24	11.5	10.9
846–855	850	65.49	.0343	211.3	11.32	11.6	11.0
856–865	860	66.37	.0343	212.4	11.40	11.7	11.1
866–873	870	67.24	.0344	213.5	11.48	11.8	11.2

(c) The dynamometer shall be adjusted to reproduce the specified road load as determined by the most recent calibration. Alternatively, the actual vehicle road load can be measured and duplicated:

(1) Make at least 5 replicate coastdowns in each direction from 70 to 60 km/h on a smooth, level track under balanced wind conditions. The driver must have a mass of 80 ±10 kg and be in the normal driving position. Record the coastdown time.

(2) Average the coastdown times. Adjust the dynamometer load so that the coastdown time is duplicated with the vehicle and driver on the dynamometer.

(3) Alternate procedures may be used if approved in advance by the Administrator.

[63 FR 11849, Mar. 11, 1998]

§ 86.530–78 Test sequence, general requirements.

(a) Ambient temperature levels encountered by the test vehicle throughout the test sequence shall not be less than 20 °C (68 °F) nor more than 30 °C (86 °F). The vehicle shall be approximately level during the emission test to prevent abnormal fuel distribution.

(b) [Reserved]

§ 86.531–78 Vehicle preparation.

(a) The manufacturer shall provide additional fittings and adapters, as required by the Administrator * * *, such as * * * to accommodate a fuel drain at the lowest point possible in the tank(s) as installed on the vehicle and to provide for exhaust sample collection.

(b) [Reserved]

§ 86.532–78 Vehicle preconditioning.

(a) The vehicle shall be moved to the test area and the following operations performed:

(1) The fuel tank(s) shall be drained through the provided fuel tank(s) drain(s) and charged with the specified test fuel, § 86.513, to half the tank(s) capacity.

(2) The vehicle shall be placed, either by being driven or pushed, on a dynamometer and operated through one Urban Dynamometer Driving Schedule test procedure (see § 86.515 and appendix I). The vehicle need not be cold, and may be used to set dynamometer horsepower.

(b) Within five (5) minutes of completion of preconditioning, the vehicle shall be removed from the dynamometer and may be driven or pushed to the soak area to be parked. The vehicle shall be stored for not less than the following times prior to the cold start exhaust test.