

## Structure of §1066.710

Initial statement	Only NMHC, CO and fuel economy to be measured using the FTP cycle (1066.801); Procedure shown in a flow chart.		
(a) §§ 1066.410 – 1066.425 and § 1066.815(d) are to be followed with exceptions and additional provisions	1066.410 describes the dynamometer test procedure (cycles; cooling fan; speed trace; tire inflation; type of dyno; dyno warm-up); 1066.415 describes vehicle operation (driving the vehicle; driving the cycle; shifting; accel.; decel.); 1066.420 describes test preparation (PM; test cell conditions; setting instruments); 1066.425 describes the emissions test (driving the trace; sampling; analysing).		
	(1) Control and measure ambient conditions (see (b)).		
	(2) Using vehicle heater and defroster (see (c)).		
	(3) Preconditioning (see (d) and (e)).		
	(4) When to start the emissions test based on dyno bearing temperature.		
	(5) Adjusting dyno road load to -7 °C.		
	(6) Analysis of NMHC, CO and CO <sub>2</sub> (no other emissions measured).		
(b) Maintaining ambient conditions	(1) Ambient temp. for the emissions test.		
	(2) Ambient temp. for preconditioning.		
	(3) Ambient humidity.		
(c) Heater and defroster	(1) Manually controlled systems.	(i) When to set the climate control (part 1).	(A) Temperature
			(B) Fan speed
			(C) Airflow direction
			(D) Air source

		(ii) When to set climate control (part 2).	
		(iii) When to set climate control (part 3).	
	(2) Automatic control systems.		
	(3) Multiple zone systems (front/rear or side to side).		
	(4) Alternative procedure(s).		
(d) Preconditioning	(1) As 1066.810(a).		
	(2) Tank fill.		
	(3) Fuel temp. reached.	(i) Push onto dyno.	
		(ii) Drive .	
		(iii) Test end.	
		(iv) No purging or loading of canister.	
(e) Soak vehicle	(1) Cold storage.		
	(2) Forced cooling.		
<p><b>COMMENTS:</b></p> <ol style="list-style-type: none"> <li><b>1. Not all emissions are measured.</b></li> <li><b>2. Nothing specific on HEVs, PHEVs or PEVs.</b></li> <li><b>3. Diesels treated the same as gasoline vehicles.</b></li> <li><b>4. Much detail on settings of heaters and defrosters.</b></li> <li><b>5. Humidity correction factor not used.</b></li> </ol>			
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