

## Light-Duty Vehicles and Light-Duty Trucks: Tier 1 and National Low Emission Vehicle (NLEV) Supplemental Federal Test Procedure Exhaust Emission Standards

	Vehicle Type	Emission Category	4,000 Miles				5 Years / 50,000 Miles				10 Years / 100,000 Miles			
			US06 Test		A/C Test		Composite	A/C Test	US06	Composite	Composite	A/C Test	US06	Composite
			NMHC +NOx (g/mi)	CO (g/mi)	NMHC +NOx (g/mi)	CO (g/mi)	NMHC +NOx (g/mi)	CO (g/mi)	CO (g/mi)	CO (g/mi)	NMHC +NOx (g/mi)	CO (g/mi)	CO (g/mi)	CO (g/mi)
<b>Federal</b>	LDV	Tier 1 <sup>b</sup>	-	-	-	-	0.65 <sup>c</sup>	3	9	3.4	0.91 <sup>d</sup>	3.7	11.1	4.2
	LDT1	Tier 1 <sup>b</sup>	-	-	-	-	0.65 <sup>c</sup>	3	9	3.4	0.91 <sup>d</sup>	3.7	11.1	4.2
	LDT2	Tier 1 <sup>e</sup>	-	-	-	-	1.02	3.9	11.6	4.4	1.37	4.9	14.6	5.5
	LDT3	Tier 1 <sup>e</sup>	-	-	-	-	1.02	3.9	11.6	4.4	1.44 <sup>f</sup>	5.6 <sup>f</sup>	16.9 <sup>f</sup>	6.4 <sup>f</sup>
	LDT4	Tier 1 <sup>e</sup>	-	-	-	-	1.49	4.4	13.2	5	2.09 <sup>f</sup>	6.4 <sup>f</sup>	19.3 <sup>f</sup>	7.3 <sup>f</sup>
<b>Federal (NLEV)</b>	LDV/ PC	Tier 1 / TLEV <sup>b</sup>	-	-	-	-	0.65 <sup>c</sup>	3.0 <sup>g</sup>	9	3.4	0.91 <sup>d</sup>	3.7 <sup>g</sup>	11.1	4.2
		LEV / ULEV <sup>b</sup>	0.14	8	0.2	2.7	-	-	-	-	-	-	-	-
	LDT1	Tier 1 / TLEV <sup>b</sup>	-	-	-	-	0.65 <sup>c</sup>	3.0 <sup>g</sup>	9	3.4	0.91 <sup>d</sup>	3.7 <sup>g</sup>	11.1	4.2
		LEV / ULEV <sup>b</sup>	0.14	8	0.2	2.7	-	-	-	-	-	-	-	-
	LDT2	Tier 1 / TLEV <sup>e</sup>	-	-	-	-	1.02	3.9	11.6	4.4	1.37	4.9	14.6	5.5
		LEV / ULEV <sup>b</sup>	0.25	10.5	0.27	3.5	-	-	-	-	-	-	-	-

**Notes:**

- a** Manufacturers must calculate their applicable full useful life SFTP standards for non-methane hydrocarbon plus nitrogen oxides, particulate matter, and for carbon monoxide (CO), if using the weighted CO standard. If not using the weighted CO standard, manufacturers may use the full useful life stand-alone Tier 1 standards for US06 and SC03.
- b** Gasoline and diesel vehicles only.
- c** 1.48 for diesel-fueled vehicles.
- d** 2.07 for diesel-fueled vehicles.
- e** Gasoline vehicles only.
- f** Standards apply at a useful life of 11 years or 120,000 miles.
- g** Does not apply to diesel-fueled vehicles.

**Code of Federal Regulations (CFR) citations:**

- 40 CFR 86 Subpart A
- 40 CFR 86 Subpart R - National Low Emission Vehicle program