

Motor Vehicle Noise Control Standards

Complete text of four articles promulgated on October 6, 2004 by Environmental Protection Administration Order 0930066337D and Ministry of Transportation and Communications Order 093B000064.

Revised attached table in Article 3 jointly promulgated on June 22, 2007 by Environmental Protection Administration Order Huan-Shu-Kung-Tzu No. 0960044255D and Ministry of Transportation and Communications Order Chiao-Lu-Tzu No. 0960085028.

Revised text of Article 1 and attached tables in Article 3 jointly promulgated on August 10, 2009 by Environmental Protection Administration Order Huan-Shu-Kung-Tzu No. 0980064269D and Ministry of Transportation and Communications Order Chiao-Lu-Tzu No. 0980085044.

Article 1

These Standards are determined pursuant to Article 11, Paragraph 1 of the Noise Control Act.

Article 2

Terms used in these Standards are defined as follows:

- I. "Acceleration noise standard value" means the acceleration noise level measured at a certain distance, in a certain gear while driving.
- II. "Stationary noise standard value" means the stationary noise level measured at a certain engine speed.
- III. "New vehicle model certification" means the new model vehicle noise review and testing performed after each type of new vehicle model has been manufactured or imported, and prior to sale or usage.
- IV. "New vehicle testing" means noise condition testing performed after a vehicle has passed new vehicle model certification and following a certain period of time or after a designated quantity has been manufactured or imported.
- V. "In-use vehicle testing" means non-regular vehicle noise testing at car parks (stops), by the roadside, at diesel emissions testing stations or other suitable locations performed by the competent authority.

Article 3

Motor vehicle noise control standard values are provided in the Attached table

Article 4

These Standards shall take effect on the date of promulgation.

Table: Motor Vehicle Noise Control Standard Values

Unit: dB(A)

Testing items			Sedan, station wagon	Specialist vehicles such as mini-buses, delivery trucks and those that have been announced less than 3.5 tons	Specialist vehicles such as delivery trucks, city buses and those that have been announced over 3.5 tons		Motorized Bicycles			
					<150 kW	≥150 kW	≤50c.c.	>50c.c. ≤100c.c.	>100c.c. ≤175c.c.	>175c.c.
First Period: January 1, 1991	New vehicle model certification and new vehicle testing	Acceleration noise	81	86	86		75	78	81	
		Stationary noise	103	103	107		95	99	99	
	In-use vehicle testing	Stationary noise	For new vehicle models with certified approval documents, add 5 dB(A) to the new type stationary noise testing value. However, may not exceed new vehicle model testing capped values of January 1, 1991.							
Second period: January 1, 1993	New vehicle model certification and new vehicle testing	Acceleration noise	78	83	83		72	75	78	
		Stationary noise	103	103	107		95	99	99	
	In-use vehicle testing	Stationary noise	For new vehicle models with certified approval documents, add 5 dB(A) to the new type stationary noise testing values. However, may not exceed new vehicle model testing restriction values of January 1, 1991.							
Third period: July 1, 2005	New vehicle model certification and new vehicle testing	Acceleration noise	76	79	82	83	72	75	78	81
		Stationary noise	96 (100)	97	98	99	84	90	94	94
	In-use vehicle testing	Stationary noise	For new vehicle models with certified approval documents, add 5 dB(A) to the new type stationary noise testing values. From July 1, 2005 onward, vehicles manufactured domestically and imported vehicles may not exceed the new vehicle model testing capped values of July 1, 2005.							
Fourth Period: January 1, 2007	New vehicle model certification and new vehicle testing	Acceleration noise	74	77	78	80	72	75	77	80
		Stationary noise	96 (100)	97	98	99	84	90	94	94
	In-use vehicle testing	Stationary noise	For new vehicle models with certified approval documents, add 5 dB(A) to the new type stationary noise testing values. From July 1, 2005 onward, vehicles manufactured domestically and imported vehicles may not exceed the new vehicle model testing restriction values of July 1, 2005.							

Notes

- I. From the first to the fourth period, control standards shall be implemented by testing employing the motor vehicle noise measurement method announced by the central competent authority.
- II. Third period control standards:
 - A. From July 1, 2005 onward, vehicles produced domestically and imported vehicles must meet the third period control standards.
 - B. For motorized bicycles under 175c.c. the listed standard value for manual gear vehicle acceleration noise standard values shall be increased by 1 dB(A).
 - C. For new vehicle type certification and new vehicle testing of sedans and station wagons with engines located in the rear, the stationary noise standard value shall be 100 dB(A).
- III. Fourth period control standards:
 - A. After January 1, 2007, vehicles manufactured domestically and imported vehicles must comply with fourth period control standards.

- B. When new vehicles are tested in accordance with Article 13 of the Motor Vehicle Type Noise Testing Compliance Verification Issuance and Revocation and Random Noise Testing Handling Regulations, the acceleration noise standard value shall be the new vehicle model certification acceleration noise standard increased by 1dB(A) .
- C. For sedans, station wagons and minibuses and small delivery trucks under 3.5 tons equipped with direct fuel injected diesel engines, the listed standard value of new type vehicle testing acceleration noise standard values shall be increased by 1 dB(A).
- D. For new type vehicle testing acceleration noise standard values of off-road vehicles over 2 tons (in accordance with 70/156 EEC Annex II off-road vehicle regulations) with engine power greater than 150 kW, the listed standard value shall be increased by 2 dB(A); for engine power less than 150 kW, the listed standard value shall be increased by 1 dB(A).
- E. For five-gear manual transmission sedans and station wagons, minibuses under 3.5 tons, other vehicles with an engine rate greater than 140 kW and power capacity greater than 75 kW per ton and those in third gear at 50 km/h within the testing area that exceed 61 km/h the listed standard value of the new vehicle model certification acceleration noise standard value shall be increased by 1 dB(A).
- F. For new vehicle type certification and new vehicle testing of sedans and station wagons with engines located in the rear, the stationary noise standard value shall be 100 dB(A). (the plane perpendicular to the the front edge of the vehicle engine block and the vehicle's longitudinal center line; if located behind the center of the line connecting the forwardmost axial center and the rearmost axial center, the vehicle shall be considered to have a rear engine)
- G. For fire trucks and disaster relief vehicles (including vehicles with fire trucks or disaster relief vehicle chassis) with a gross weight in excess of 3.5 tons, the new vehicle model certification and new vehicle testing acceleration noise standard value shall be 81dB(A) for engine power less than 150kW and 83 dB(A) for engine power equal to or greater than 150kW.