

Federal, State/Local & Canada Pass-by Noise

Canada Motor Vehicle Pass-by Noise

Definitions:

Heavy-duty vehicle: means an on-road vehicle that has a GVWR of more than 3,856 kg (8,500 pounds), a curb weight of more than 2,722 kg (6,000 pounds) or a basic vehicle frontal area in excess of 4.2 square meters (45 square feet).

Light-duty vehicle: means an on-road vehicle that is designed primarily for the transportation of persons and has a designated seating capacity of not more than 12 persons.

Exterior Sound level

1. Every Vehicle, other than a motorcycle or a vehicle referred to in sections 2 below, shall be so constructed that the exterior sound level does not exceed:
 - a) 83 dBA for heavy duty vehicle
 - b) 80 dBA for light duty vehicle
2. Every Truck or incomplete vehicle fitted with a cab with a GVWR of more than 4536kg (10,000 lb.), *when tested in accordance with Annex 3 to ECE Regulation No. 51 or CMVSR 1106*, Shall be so constructed that the exterior noise level does not exceed:
 - a) 80 dBA in the case of a heavy duty truck with an engine that produces less than 75 KW
 - b) 83 dBA in the case of a heavy duty truck with an engine that produces at least 75 KW but less than 150 KW.
 - c) 84 dBA in the case of a heavy duty truck with an engine that produces 150 KW or more.

Federal, State/Local Motor Vehicle Pass-by Noise

1. Every Truck or incomplete vehicle fitted with a cab with a GVWR of more than 4536kg (10,000 lb.), *when tested with the low speed sound emission US EPA Federal test procedure set out in section 205.54-1 of subpart B, part 205, chapter I, Title 40 of the United States Code of Federal Regulations*, Shall be so constructed that the exterior noise level does not exceed:
 - a) 80 dBA
2. For every Truck or incomplete vehicle fitted with a cab with a GVWR of less than 4536kg (10,000 lb.), please check with the various USA State/Local/Municipal Enforcement Authorities for their particular local requirements if a value of less than 80 dBA mentioned above is enforced.

The vehicle should continue to comply with these requirements if no alterations are made to the exhaust system during installation of the second body.