

CSA D250-07

School Bus Safety Standards

DID YOU KNOW . . .

- that CSA D250-07 is the eighth edition of the Standard.
- that the first edition of CSA D250 was published in 1971.
- that this edition supersedes the previous editions in 2003, 2000, 1998, 1985, 1979, 1975, and 1971.
- that CSA D250 specifies the chassis and body requirements and safety equipment requirements for school buses.
- the main purpose of CSA D250 is to provide the safest possible vehicle for students transported in school buses.
- CSA D250 standards are developed and maintained by the CSA Technical Committee on School Buses which is made up of representatives from all provinces across Canada, from school bus manufacturers and school bus equipment manufacturers, as well as representatives from Transport Canada.
- the CSA Technical Committee meets semi-annually in order to address safety issues that arise, and to keep abreast of new technology.
- in Canada, most jurisdictions adopt CSA D250 school bus safety standards on an ongoing basis.
- CSA D250 school bus standards are primarily intended for the construction of new school buses.
- CSA D250 school bus standards are implemented six months after being introduced.
- school bus manufacturers must comply with CSA D250 school bus standards as of the implementation date.
- CSA D250 defines five types of school buses:
 - Type A1 – a bus with a GVWR of 4,536 kg (10,000 lbs.) or less.
 - Type A2 – a bus with a GVWR over 4,536 kg. A1 and A2 are a conversion body construction upon a cutaway front section vehicle.
 - Type B – a conversion or body constructed and installed upon a van, a front section vehicle chassis, or a stripped vehicle chassis.
 - Type C – the conventional school bus; a body installed upon a flat back cowl chassis.
 - Type D – a flat nose transit style bus; the service door is ahead of the front axle.

- CSA D250 Standards cover a range of school bus chassis/component requirements, such as:
 - Batteries
 - Drive shaft – protection
 - Front fenders
 - Fuel system
 - Horn
 - Power and gradability
 - Steering gear and linkage
 - Turning radius
 - Front bumper
 - Exhaust system
 - Frame
 - Alternator
 - Instruments and instrument panels
 - Shock absorbers
 - Tires and rims

- Body requirements:
 - Aisles
 - Rear bumper
 - Retro-reflective marking
 - Defroster system
 - Service door emergency release
 - Emergency doors – vandal lock
 - Rear windows
 - Safety equipment
 - Advance warning devices
 - Floor covering
 - Identification – school bus sign
 - Insulation
 - Lamps, reflectors and signals
 - Floor level side marker lamps
 - Exterior lamps
 - Exit lamp
 - Operator's manual
 - Outside rear view mirrors
 - Body mounting
 - Rub rails
 - Passenger seating
 - Outside stirrup steps
 - Pedestrian-student safety crossing arm
 - Undercoating
 - Interior wheelhousing
 - Circuits
 - Bus length
 - Colour
 - Body construction
 - Service door
 - Emergency exits
 - Roof hatches – performance standards
 - Side windows
 - Fire extinguisher
 - First aid kit
 - Heater system
 - Inside height
 - Interior – no luggage racks
 - Alternating flashing warning lamps
 - Interior lamps
 - Strobe lamp
 - Locked compartment
 - Mirrors – testing protocol
 - Outside convex mirrors
 - Noise suppression switch
 - Seat belt for driver
 - Stepwell steps
 - School bus stop arm
 - Sunshield
 - Ventilation
 - Windshield and windows
 - Wiring – installation/protection/fastening

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