

# Federal Motor Vehicle Safety Standards

**Federal Motor Vehicle Safety Standards (FMVSS)** are [U.S.](#) federal regulations specifying design, construction, performance, and durability requirements for [motor vehicles](#) and regulated [Automobile safety](#)-related components, systems, and design features. They are the U.S. counterpart to the UN Regulations developed by the [World Forum for Harmonization of Vehicle Regulations](#) and recognized to varying degree by most countries except the United States. [Canada](#) has a system of analogous rules called the **Canada Motor Vehicle Safety Standards (CMVSS)**, which overlap substantially but not completely in content and structure with the FMVSS. The FMVSS/CMVSS requirements differ significantly from the international UN requirements, so [private import](#) of foreign vehicles not originally manufactured to North American specifications is difficult or impossible.

FMVSS are currently codified at [49 C.F.R. 571](#). FMVSS are developed and enforced by the [National Highway Traffic Safety Administration](#) (NHTSA) pursuant to statutory authorization in the form of the [National Traffic and Motor Vehicle Safety Act](#) of 1966, which is now codified at [49 U.S.C. ch. 301](#).

FMVSS are divided into three categories: crash avoidance (100-series), [crashworthiness](#) (200-series), and post-crash survivability (300-series). The first regulation, FMVSS No. 209, was adopted on 1 March 1967 and remains in force to date though its requirements have been periodically updated and made more stringent. It stipulates the requirements for [seat belts](#) in roadgoing vehicles.

Other FMVSS include:<sup>[1]</sup>

- FMVSS No. 101: Controls and displays
- FMVSS No. 102: Transmission shift lever sequence, starter interlock, and transmission braking effect
- FMVSS No. 103: Windshield defrosting and defogging systems
- FMVSS No. 104: Windshield wiping and washing systems
- FMVSS No. 105: Hydraulic and electric brake systems
- FMVSS No. 106: Brake hoses
- [FMVSS No. 108](#): Lamps, reflective device and associated equipment
- FMVSS No. 109: New pneumatic tires for passenger cars
- FMVSS No. 110: Tire selection and rims for passenger cars
- FMVSS No. 111: Rear view and side view mirrors
- FMVSS No. 113: Hood latch system
- FMVSS No. 114: Theft Protection
- FMVSS No. 116: Motor vehicle brake fluids
- FMVSS No. 117: Retreaded pneumatic tires
- FMVSS No. 118: Power-operated window, partition, and roof panel systems
- FMVSS No. 119: New pneumatic tires for vehicles other than passenger cars
- FMVSS No. 120: Tire selection and rims for motor vehicles other than passenger cars
- FMVSS No. 121: Air brake systems

- FMVSS No. 122: Motorcycle brake systems
- FMVSS No. 123: Motorcycle controls and displays
- FMVSS No. 124: Accelerator control systems
- FMVSS No. 125: Warning devices
- FMVSS No. 126: Electronic stability control systems
- FMVSS No. 131: School bus pedestrian safety devices
- FMVSS No. 135: Light vehicle brake systems
- FMVSS No. 136: Electronic stability control systems on heavy vehicles
- FMVSS No. 138: Tire pressure monitoring systems
- FMVSS No. 201: Occupant protection in interior impact
- FMVSS No. 202: Head restraints for passenger vehicles
- FMVSS No. 203: Impact protection for the driver from the steering control system
- FMVSS No. 204: Steering control rearward displacement
- FMVSS No. 205: Glazing materials
- FMVSS No. 206: Door locks and door retention components
- FMVSS No. 207: Seating Systems
- [FMVSS No. 208](#): Occupant crash protection
- FMVSS No. 209: Seat belt assemblies
- FMVSS No. 210: Seat belt anchorages
- FMVSS No. 212: Windshield mounting
- FMVSS No. 213: Child restraint systems
- FMVSS No. 214: Side impact protection
- FMVSS No. 215: Exterior protection
- FMVSS No. 216: [Roof crush](#) resistance
- FMVSS No. 217: Bus emergency exits and window retention and release.
- FMVSS No. 218: [Motorcycle helmets](#)
- FMVSS No. 219: Windshield zone intrusion
- FMVSS No. 220: School bus rollover protection
- FMVSS No. 221: School bus body joint strength
- FMVSS No. 222: School bus passenger seating and crash protection
- FMVSS No. 223: Rear impact guards
- FMVSS No. 224: Rear impact protection
- FMVSS No. 225: Child restraint anchorage systems
- [FMVSS No. 226](#): Ejection mitigation
- FMVSS No. 301: Fuel system integrity
- FMVSS No. 302: Flammability of interior materials
- FMVSS No. 303: Fuel system integrity of compressed natural gas vehicles
- FMVSS No. 304: Compressed natural gas fuel container integrity
- FMVSS No. 305: Electric-powered vehicles: Electrolyte spillage and electrical shock protection
- FMVSS No. 401: Interior trunk release
- FMVSS No. 403: Platform lift systems for motor vehicles
- FMVSS No. 404: Platform lift installation in motor vehicles
- FMVSS No. 500: Low-speed vehicles
- FMVSS No. 537: Automotive fuel economy attribute measurements
- FMVSS No. 581: Bumper standard

