

**WAC 246-976-290**

**Ground ambulance vehicle standards.**

- 1) ~~(4) Essential equipment~~ All ambulance vehicles that are used to transport patients, must meet the minimum standards in this chapter. Ambulance vehicles that meet a national ground ambulance standard recognized by the department are deemed having met the minimum standards.
- 2) Equipment required for the safety and comfort of the patient and provider ~~safety and comfort~~ must be in good working order.

~~(2) All ambulance vehicles must be clearly identified as an EMS vehicle and display the agency identification by emblems and markings on the front, side, and rear of the vehicle. A current state ambulance credential must be prominently displayed in a clear plastic cover positioned high on the partition behind the driver's seat.~~

~~(3) Tires must be in good condition.~~

3) ~~(4) The electrical system~~ body of ambulance vehicles must meet the following requirements/standards:

~~a. (a) Interior lighting in the driver compartment must be designed and located so that no glare is reflected from surrounding areas to the driver's eyes or line of vision from the instrument panel, switch panel, or other areas which may require illumination while the vehicle is in motion; and~~

~~(b) Interior lighting in the patient compartment must be provided throughout the compartment, and provide an intensity of twenty foot candles at the level of the patient; and~~

~~a. (c) Exterior lights must be fully operational, and include body-mounted flood lights over the patient loading doors to provide loading visibility; and~~

~~(d) Emergency warning lights must be provided in accordance with RCW 46.37.380, as administered by the state commission on equipment.~~

~~(5) Windshield wipers and washers must be dual, electric, multispeed, and functional at all times.~~

~~(6) Battery and generator system:~~

~~(a) The battery must be capable of sustaining all systems. It must be located in a ventilated area sealed off from the vehicle interior, and completely accessible for checking and removal;~~

~~(b) The generating system must be capable of supplying the maximum built-in DC electrical current requirements of the ambulance. If the electrical system uses fuses instead of circuit breakers, extra fuses must be provided.~~

~~(7) The ambulance must be equipped with:~~

~~(a) Seat belts that comply with Federal Motor Vehicle Safety Standards 207, 208, 209, and 210. Restraints must be provided in all seat positions in the vehicle, including the attendant station; and~~

~~(b) Mirrors on the left side and right side of the vehicle. The location of mounting must provide maximum rear vision from the driver's seated position; and~~

~~(c) One ABC two and one half pound fire extinguisher.~~

~~(8) Ambulance body requirements:~~

~~a. (a) The length of the patient compartment must be at least one hundred twelve inches in length, measured from the partition to the inside edge of the rear loading doors; and~~

**Style Definition:** Comment Text

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(1) Section has been re-organized into standards:

- 1. To meet national ground vehicle standards and standards in this chapter
- 2. for general equipment for safety/comfort
- 3. for the body of ambulance vehicles
- 4. for the interior of an ambulance
- 5. for restraint systems in ambulances
- 6. for the exterior of an ambulance
- 7. for mechanical / electrical components of an ambulance.

Some minor deletions, and minor additions occurred. To see changes, select the review tab, and in the track changes section, select "all mark up" in the

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- b. ~~(b)~~ The width of the patient compartment, after cabinet and ~~cot~~ gurney installation, must provide at least nine inches of clear walkway ~~between cots or the squad bench~~; and
- c. ~~(c)~~ The height of the patient compartment must be at least fifty-three inches at the center of the patient area, measured from floor to ceiling, exclusive of cabinets or equipment; and
- d. ~~(d)~~ There must be secondary egress from the vehicle; and
- e. ~~(e)~~ Back doors must open in a manner to increase the width for loading patients without blocking existing working lights of the vehicle; ~~and~~.
- 4) ~~(f)~~ The interior of ambulance vehicles must meet the following standards:
- a. A current state ambulance vehicle credential must be prominently displayed in a clear plastic cover positioned high on the partition behind the driver's seat; and
- b. The floor at the lowest level permitted by clearances. It must ~~be~~ provide flat and unencumbered ~~in the access and to the~~ work area, with no voids or pockets in the floor to side wall areas where water or moisture can become trapped to cause rusting or unsanitary conditions; and
- c. ~~(e)~~ Floor covering applied to the top side of the floor surface. It must withstand washing with soap and water or disinfectant without damage to the surface. All joints in the floor covering must have minimal void between matching edges, cemented with a suitable water-proof and chemical-proof cement to eliminate the possibility of joints loosening or lifting; and
- d. ~~(h)~~ The finish of the entire patient compartment must be impervious to soap and water and disinfectants to permit washing and sanitizing; and
- e. Interior lighting in the driver compartment must be designed and located so that no glare is reflected from surrounding areas to the driver's eyes or line of vision from the instrument panel, switch panel, or other areas which may require illumination while the vehicle is in motion; and
- ~~(i)~~ Exterior surfaces must be smooth, with appurtenances kept to a minimum; and
- f. ~~(j)~~ Interior lighting in the patient compartment must be provided adequately throughout the compartment, and provide an intensity of two-hundred-fifteen (215) lumen at the level of the patient; and
- g. Ambulance vehicles must have one ABC two-and-one-half pound fire extinguisher; and
- h. Interior equipment must be secured in a manner to provide for the safety of occupants in vehicle.
- 5) Ambulance vehicles must be equipped with manufacturer recommended restraint systems and;
- a. Seat belts must comply with Federal Motor Vehicle Safety Standards 207, 208, 209, and 210; and
- b. Gurney restraints that comply with manufacturer recommendations must be used on patients during transport; and
- c. Ambulance vehicles must have manufacturer recommended hardware installed that is in good working order, to secure a gurney in the vehicle for transport; and
- d. Restraints must be provided ~~for~~ in all litters. If the litter is floor supported on its own support wheels, seat positions in the vehicle, including the attendant stations; and

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- e. Restraints must be provided for patients when equipment such as a backboard or scoop stretcher is used to move a patient from surface to surface. A means to secure this equipment to the gurney or a bench seat, must be provided to secure it in position. These for transport; and
  - f. Seat belts and related restraints must permit quick attachment and detachment for quick transfer of patient; and
  - g. Appropriate restraints for pediatric patients must be provided and used in the manner and location consistent with all applicable manufacturer recommendations.
- 6) The exterior of ambulance vehicles must meet the following standards:
- a. The ambulance vehicle must be clearly identified as an emergency medical services vehicle; and
  - b. The ambulance vehicle must display the agency or service identification by reflective emblems and markings on the front, sides, and rear of the vehicle; and
  - c. The ambulance vehicle must have retro-reflective paint or tape, stripes or markings, or a combination of stripes and markings that are a minimum of six inches in width affixed to the full length of both sides and the rear of the vehicle; and
  - d. A minimum of fifty percent of the rear of the vehicle surface must be equipped with a retro-reflective pattern on ambulance vehicles built in the year 2020 and thereafter; and
  - e. Emergency warning lights and audible warning signals must be provided in accordance with a national ambulance standard recognized by the department; and
  - f. Windshield wipers and washers must be dual, multispeed, and functional at all times; and
  - g. Ambulance vehicles must have exterior mirrors on the left and right side of the vehicle and mounted to provide maximum rear vision from the driver's seated position; and
  - h. Exterior lights must be fully operational, and include body-mounted flood lights over the patient loading doors to provide loading visibility; and
  - i. (9) Exterior surfaces must be smooth, with projections kept to a minimum; and
  - j. Equipment stored in exterior compartments must be secured in a manner to provide for the safety of occupants in vehicle.
- 7) Mechanical and electrical components of ambulance vehicles must meet the following standards:
- a. The electrical power generating system must be capable of sustaining all systems and must be appropriately ventilated and sealed according to manufacturer recommendations; and
  - b. If the electrical system uses fuses instead of circuit breakers, extra fuses must be readily available; and
  - c. Within the engine compartment of the ambulance vehicle, hoses, belts, and wiring must not have any visible obvious defects; and
  - d. Vehicle brakes, regular and special electrical equipment, heating and cooling units, safety belts, and window glass, must be functional at all times.

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[Statutory Authority: Chapters 18.71, 18.73, and 70.168 RCW. WSR 11-07-078, § 246-976-290, filed 3/22/11, effective 5/15/11; WSR 00-08-102, § 246-976-290, filed 4/5/00, effective 5/6/00. Statutory

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Reviewed in open public stakeholder meetings on: 12/20/2017, 01/18/2018, 2/16/2018

Authority: RCW [43.70.040](#) and chapters [18.71](#), 18.73 and [70.168](#) RCW. WSR 93-01-148 (Order 323), § 246-976-290, filed 12/23/92, effective 1/23/93.]

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