

7425.2400 CONSTRUCTION OF NONFEDERALLY REGULATED DEVICES.

Subpart 1. **In general.** Nonfederally regulated devices must be constructed to meet the requirements in subparts 2 to 8.

Subp. 2. **Convenient adjustments.** Lamps must be so constructed that bulb or lens replacements and aiming adjustments may conveniently be made by one person with ordinary hand tools.

Subp. 3. **Free from hazard.** Lighting devices must be so constructed as to present no unreasonable personal hazard to a qualified person servicing the unit.

Subp. 4. **Aim.** Lamp mountings must be so arranged that the aim of the lamp will not be disturbed under ordinary conditions of service. The range of aiming adjustment for any lamp requiring aim must be plus or minus four degrees in both the vertical and horizontal planes except as otherwise specified by the applicable SAE standard or recommended practice incorporated by reference in this chapter.

Subp. 5. **Replacement.** Lamps must be so constructed that an optical unit or bulb can be replaced without disturbing the aim of the lamp.

Subp. 6. **Attachment and removal.** The means of fastening split or solid rims or trim rings must be readily accessible and means must be provided for easy removal of lens-retaining rings when snap or lock rings are used.

Subp. 7. **Gaskets.** Gaskets must be constructed of a durable material which will retain shape and resiliency.

Subp. 8. **Electrical wiring.** The electrical wiring must be securely connected and protected from abrasion.

Statutory Authority: *MS s 169.468; 169.65*

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