



VEHICLE EQUIPMENT SAFETY COMMISSION

Regulation VESC-14

MINIMUM REQUIREMENTS FOR BRAKE COMPONENT WEAR WARNING

**Approved July 1975
Amended July 1977**

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BRAKE COMPONENT WEAR WARNING REGULATION

1. PURPOSE:

- 1.1 The purpose of this regulation is to require vehicles manufactured for sale on or after the effective date of this regulation, be equipped with a direct and effective means of determining when the discard point of the service brake friction materials have been reached without requiring the removal of major components, such as wheels, hubs, drums or any structural members of the vehicle, and to require each brake drum or rotor be marked to show the discard point.
- 1.2 The service braking system shall be constructed so that a visible, audible, or tactile signal as herein defined will be given when any service brake friction material has been worn to its discard point.

2. SCOPE:

- 2.1 The scope of this regulation shall include the service brake friction materials, drums and rotors on all passenger cars, multipurpose passenger vehicles, trucks and buses, designed for highway use, with a gross vehicle weight rating of 10,000 pounds or less.

3. DEFINITIONS:

- 3.1 "Visible signal" means a warning light located in direct view of the seated driver.
- 3.2 "Audible signal" means a distinctive sound audible to the seated driver under normal vehicle and atmospheric conditions.
- 3.3 "Tactile signal" means a distinctive pulsating action that can be sensed upon application of the service brake.
- 3.4 "Discard point" means that dimension which the vehicle manufacturer has established as being the limit of wear beyond which the drum, rotor or friction material is no longer recommended for highway use.

3.5 "Friction material" means that part of a service brake designed to retard or stop the rotation of a wheel through friction by the forcing of this material against a brake drum or rotor made of more durable material.

4. REPLACEMENT COMPONENT:

4.1 Every replacement brake component for a wear warning system or assembly shall allow the system to retain the same type of warning as in the original system design.

5. MARKING OF DRUMS AND ROTORS:

5.1 Each manufacturer of original or replacement drums or rotors shall plainly and permanently identify on the drum or rotor the words "Discard Point" and that dimension predetermined by the manufacturer to be the discard point as defined in section 3.4, in English letters and Arabic numerals not less than 1/4 inch in height.

6. EFFECTIVE DATE:

6.1 This regulation shall be effective on _____.

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