



TECHNICAL REPORT

J585d

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TAIL LAMPS (REAR POSITION LIGHT) — SAE J585d

SAE Standard

Report of Lighting Division approved March 1918 and last revised by Lighting Committee August 1970.

1. Scope—This standard provides test methods and requirements for tail lamps.

2. Definitions

2.1 Tail Lamps—Lamps used to designate the rear of a vehicle by a steady burning, low intensity light.

2.2 Multiple Compartment Lamp—A device which gives its indication by two or more separately lighted areas which are joined by one or more common parts such as a housing or lens.

2.3 Multiple Lamp Arrangement—An array of two or more separated lamps on each side of the vehicle which operate together to give a signal.

3. Laboratory Requirements

3.1 A multiple compartment lamp or multiple lamps may be used to meet the photometric requirements of a tail lamp. If a multiple compartment or multiple lamps are used and the distance between the optical axes (filament centers) does not exceed 22 in. for two compartment or lamp arrangements, and does not exceed 16 in. for three compartment or lamp arrangements, then the combination of the compartments or lamps must be used to meet the photometric requirements for the corresponding number of lighted sections (Table 1). If the dis-

tance between optical axes exceeds the above dimensions, each compartment or lamp shall comply with the photometric requirements for one lighted section (Table 1).

For vehicles of 80 in. or more in overall width, a maximum of two lamps and/or compartments per side may be mounted closer together than 22 in. providing that each compartment and/or lamp meets the single compartment photometric requirements listed in Table 1. Each lamp and/or compartment utilized in this manner shall meet the one lighted section value for all functions for which it is designed.

3.2 The following sections from SAE J575 are a part of this standard:

- 3.2.1 Section B—Samples for Test
- 3.2.2 Section C—Lamp Bulbs
- 3.2.3 Section D—Laboratory Facilities
- 3.2.4 Section E—Vibration Test
- 3.2.5 Section F—Moisture Test
- 3.2.6 Section G—Dust Test
- 3.2.7 Section H—Corrosion Test
- 3.2.8 Section J—Photometry
- 3.2.9 Section L—Warpage Test on Devices with Plastic Lenses