

	SURFACE VEHICLE STANDARD	
	SAE	J1957 AUG2011
	Issued Revised	1993-06 2011-08
Superseding J1957 MAR2000		
(R) Center High Mounted Stop Lamp Standard for Vehicles Less than 2032 mm Overall Width		

RATIONALE

This document was revised to incorporate changes to a new photometry format. There are no photometry requirements changes to this document. Paragraph 5.3 is added. Subparagraphs 6.1.5a and 6.1.5b become redundant with respect to Table 1 and are deleted.

1. SCOPE

This SAE Standard provides test procedures, performance requirements, and guidelines for center high mounted stop lamps (CHMSL) for use on vehicles less than 2032 mm in overall width.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J575	Test Methods and Equipment for Lighting Devices and Components for Use on Vehicles Less than 2032 mm in overall Width
SAE J576	Plastic Material or Materials for Use in Optical Parts Such as Lenses and Reflex Reflectors of Motor Vehicle Lighting Devices
SAE J578	Color Specification
SAE J759	Lighting Identification Code

3. DEFINITIONS

3.1 CENTER HIGH MOUNTED STOP LAMP (CHMSL)

An additional lamp of the stop lamp system, giving a brake actuated steady warning light to the rear of the vehicle. The CHMSL is intended to provide a signal to both the operator of the following vehicle as well as through intervening vehicles.

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4. LIGHTING IDENTIFICATION CODE

CHMSL for passenger vehicles may be identified with U3 code in accordance with SAE J759.

5. TESTS

5.1 SAE J575

The following test procedures in SAE J575 are part of this document, with the modifications indicated:

5.1.1 Vibration Test

5.1.2 Moisture Test

5.1.3 Dust Test

5.1.4 Corrosion Test

5.1.5 Photometry

5.1.5.1 Photometric tests shall be made with the photometer at least 3 m from the light source.

5.1.6 Warpage Test on Devices with Plastic Components

Stop lamp cycle time and temperature in Table 1 of SAE J575 shall be used for evaluating a CHMSL.

5.2 Color Test

SAE J578 is a part of this report.

5.3 Plastic Materials

SAE J576 is a part of this report.

6. REQUIREMENTS

6.1 Performance Requirements

Center high mounted stop lamps, when tested in accordance with the test procedures specified in 5.1 shall meet the requirements indicated in the following sections of SAE J575.

6.1.1 Vibration Test

6.1.2 Moisture Test

Does not apply to CHMSLs mounted inside the vehicle.

6.1.3 Dust Test

Does not apply to CHMSLs mounted inside the vehicle.

6.1.4 Corrosion Test

Does not apply to CHMSLs mounted inside the vehicle.