

	<b>SURFACE VEHICLE RECOMMENDED PRACTICE</b>	<b>J292</b>	<b>REV. AUG2006</b>
		Issued 1973-03 Revised 2006-08	
		Superseding J292 MAY1995	
Snowmobile and Snowmobile Cutter Lamps, Reflective Devices, and Associated Equipment			

#### RATIONALE

1. L-S 300A document has been superseded by ASTM 4956 and document CGSB62GP11P no longer exists. Changes made to this document reflect that modification.
2. In Table 2, increased maximum height of tail, stop and side marker lamps and reflex reflectors have been inserted. The height increase provides more flexibility of mounting to new snowmobile and snowmobile cutter designs while not detracting from visibility requirements.

#### FOREWORD

This SAE Recommended Practice is intended as a guide toward standard practice, but may be subject to frequent change to keep pace with experience and technical advances. Hence, its use where flexibility of revision is impractical, is not recommended.

#### 1. SCOPE

This SAE Recommended Practice describes requirements for lamps, reflective devices, and associated equipment for signaling to enable safe operation in darkness and other conditions of reduced visibility.

#### 2. REFERENCES

##### 2.1 Applicable Publications

The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications and ASTM shall apply.

##### 2.1.1 SAE Publications

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

SAE J68	Tests for Snowmobile Switching Devices and Components
SAE J277	Maintenance of Design Voltage—Snowmobile Electrical Systems
SAE J278	Snowmobile Stop Lamp
SAE J279	Snowmobile Tail Lamp (Rear Position Lamp)

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SAE J280	Snowmobile Headlamps
SAE J564	Headlamp Beam Switching
SAE J592	Clearance, Side Marker, and Identification Lamps
SAE J594	Reflex Reflectors

### 2.1.2 ASTM Publications

Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, [www.astm.org](http://www.astm.org).

ASTM D 4956 Specification for Retroreflective Sheeting for Traffic Control

## 3. APPLICATION

This document applies to snowmobiles and snowmobile cutters.<sup>1</sup>

## 4. REQUIREMENTS

4.1 Vehicles shall be equipped with lamps, reflective devices, and associated equipment, in the numbers of units and designed to conform to the references cited in Table 1.

Reflex reflectors as used for rear and side markers shall conform to one of the following.

TABLE 1 - EQUIPMENT (MINIMUM) SNOWMOBILE AND SNOWMOBILE CUTTER

Item	Number and Color Required on Snowmobile	Number and Color Required on Snowmobile Cutter	In Accordance With
Headlamp	1 white or amber	—	SAE J280
Tail lamp	1 red	—	SAE J279
Stop lamp	1 red	—	SAE J278
Reflex reflectors	3 red <sup>(1),(2)</sup> and 2 amber <sup>(1),(2)</sup> or colors as indicated in 4.1.2	3 red <sup>(1),(2)</sup> and 2 amber <sup>(1),(2)</sup> or colors as indicated in 4.1.2	SAE J594 or ASTM D 4956
Side marker Lamps (optional)	2 red, 2 amber <sup>(3)</sup>	—	SAE J592

1. See 4.1.1.
2. See 4.1.2.
3. See 4.1.3.

4.1.1 Unit-type and area-type reflex reflectors in accordance with SAE J594.

Front reflectors may be of any color or color combination; however, only the color red shall be used for rear and rear side reflectors.

In addition, the reflective sheeting used in manufacturing area-type reflex reflectors shall conform to ASTM D 4956 Retroreflective Sheeting for Traffic Control.

<sup>1</sup> As presently defined by law in Canada.

4.1.2 Lighted side markers conforming to SAE J592 may be used in addition to reflex reflectors.

4.1.3 No additional lamp, reflective device, or associated equipment shall be installed if it impairs the effectiveness of the required equipment.

#### 4.2 Location of Lamps and Reflectors

Lamps, reflective devices, and associated equipment required by 3.1 shall be installed in accordance with Table 2.

TABLE 2 - LOCATION OF EQUIPMENT SNOWMOBILE AND SNOWMOBILE CUTTER

Item	Location on Snowmobile	Location on Snowmobile Cutter	Height Above Trail Surface Measured from Center of Item on Vehicle at Curb Weight
Headlamp	On or within 150 mm (6 in) of front centerline, except that, if two lamps are used, they shall be symmetrically disposed about the front centerline	—	Not less than (380 mm) 15 in
Tail lamp	On rear centerline, except that, if two lamps are used, they shall be symmetrically disposed about the rear centerline	—	Not less than 200 mm (8 in) nor more than 1524 mm (60 in)
Stop lamp	On rear centerline, except that, if two lamps are used, they shall be symmetrically disposed about the rear centerline	—	Not less than 200 mm (8 in) nor more than 1524 mm (60 in)
Reflex reflectors	1 red on rear centerline, except that, if two reflectors are used on the rear, they shall be symmetrically disposed about the rear centerline <sup>(1),(2)</sup>	1 red on rear centerline, except that, if two reflectors are used on the rear, they shall be symmetrically disposed about the rear centerline <sup>(1),(2)</sup>	Not less than 200 mm (8 in) nor more than 1524 mm (60 in)
	2 red, 1 on each side, as far to rear as practicable <sup>(1),(2)</sup>	2 red, 1 on each side, as far to rear as practicable <sup>(1),(2)</sup>	
	2 amber or other color, 1 on each side, as far forward as practicable <sup>(1),(2)</sup>	2 amber or other color, 1 on each side, as far forward as practicable <sup>(1),(2)</sup>	— —
Side marker lamps (optional)	On each side: 1 amber lamp as far forward as practicable and 1 red lamp as far to rear as practicable	—	Not less than 200 mm (8 in) nor more than 1524 mm (60 in)

1. See 4.1.1.

2. See 4.1.2.

#### 4.3 Lamp Combinations and Equipment Combinations

Two or more lamps, reflective devices, and items of associated equipment may be combined if the requirements for each lamp, reflective device, and item of associated equipment are met.