

Issued 1967-06
Reaffirmed 2002-08

Superseding J974 JUN1993

Flashing Warning Lamp for Agricultural Equipment

Foreword—This Reaffirmed Document has been changed only to reflect the new SAE Technical Standards Board Format. Definitions has changed to Section 3. All other section numbers have changed accordingly.

1. **Scope**—This SAE Standard covers the general requirements and the test requirements for a flashing warning lamp for agricultural equipment.

2. **References**

2.1 **Applicable Publications**—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, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAEJ567—Lamp Bulb Retention System

SAEJ575—Test Methods and Equipment for Lighting Devices and Components for Use on Vehicles Less than 2032 mm in Overall Width

SAEJ578—Color Specification

SAEJ588—Turn Signal Lamp for Use on Motor Vehicles Less than 2032 mm in Overall Width

3. **Definition**—This flashing warning lamp is a lighting device to indicate both forward and rearward the presence of agricultural equipment which normally travel at rates of speed below that of other traffic.

4. **General Requirements**

4.1 The lamp shall comply in both the forward and rearward direction with the candlepower requirements of a Class A turn signal, SAE J588, Table 1. In addition, the lamp shall project at least 4 cp on both sides at 90 degrees to the lamp axis.

4.2 The color of the light from the warning lamp shall be amber in accordance with SAE J578.

4.3 The lamp shall be flashed at least 60 fpm (flashes per minute) but not more than 120 fpm when it is operating.

4.4 The effective projected illuminated area measured on a plane at right angles to the axis of the lamp shall not be less than 77.5 cm² (12 in²).

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright ©2002 Society of Automotive Engineers, Inc.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER:

Tel: 877-606-7323 (inside USA and Canada)

Tel: 724-776-4970 (outside USA)

Fax: 724-776-0790

Email: custsvc@sae.org

<http://www.sae.org>

SAE WEB ADDRESS:

4.5 The bulb sockets shall comply with SAE J567.

5. **Test Requirements**—The flashing warning lamp shall be tested according to the following sections of SAE J575:

Section B—Samples for Test

Section C—Lamp Bulbs

Section D—Laboratory Facilities

Section E—Vibration Test

Section F—Moisture Test

Section G—Dust Test

Section H—Corrosion Test

Section J—Photometric Test—All beam candlepower measurements shall be made with the filament of the signal lamp at least 3 m (10 ft) from the photometer screen. The lamp axis is the horizontal line through the filament parallel to what would be the longitudinal axis of the vehicle if the lamp were mounted in its normal position on the vehicle.

Section L—Warpage Test on Devices with Plastic Lenses

PREPARED BY THE SAE AGRICULTURAL TRACTOR TECHNICAL COMMITTEE