SAE International™

SURFACE VEHICLE STANDARD

J567	REV. SEP2006
Issued 1915-08 Revised 2006-09 Superseding J567 MAR1998	

Lamp Bulb Retention System

RATIONALE

There are no significant updates to J567. The only changes are to update a change in the IEC numbering system and add a reference to a forth IEC standard for guidelines and general information for lamps, holders and gauges.

IEC changed the standard numbering from IEC 61-1,2,3 to IEC 60061-1,2,3. IEC 60061-4 was added to provide more information on general guidelines.

This standard refers to performance and functional requirements of the International Electrotechnical Commission (IEC) and its U.S. member, the American National Standards Institute (ANSI). By referring to IEC/ANSI and its standards concerning bulb sockets, lamp holders, and gages, this document recognizes the need for harmonized standards world-wide for what are typically commodity items.

1. SCOPE

This SAE Standard references the performance and functional requirements of the International Electrotechnical Commission (IEC) and its U.S. member, the American National Standards Institute (ANSI). By referring to IEC/ANSI and its standards concerning bulb sockets, lamp holders, and gages, this document recognizes the need for harmonized standards world-wide for what are typically commodity items. Additional requirements are noted.

2. REFERENCES

2.1 Applicable Publications

For information concerning lamp bulb retention systems, bulb holders (lamp holders), sockets, and their corresponding gages, both ANSI and IEC documents can be purchased through ANSI. (Addresses for both organizations are included.)

2.1.1 American National Standards Institute (ANSI) Publications

Available from ANSI, 25 West 43rd Street, New York, NY 10036-8002, Tel: 212-642-4900, www.ansi.org.

Washington Headquarters:
American National Standards Institute (ANSI)
1819 L Street, NW
Washington, DC 20036

New York Office:
American National Standards Institute (ANSI)
25 West 43rd Street
New York, NY 10036

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
SAE WEB ADDRESS: http://www.sae.org

ANSI C81.61 Electric Lamp Bases

ANSI C81.62 Lamp Holders for Electrical Lamps

ANSI C81.63 Gauges for Electrical Lamp Bases and Holders

2.1.2 International Electrotechnical Commission (IEC) Publications

Available from International Electrotechnical Commission (IEC), 3, rue de Verambé, Boîte Postale 131, 1211 Geneva 20, Switzerland, Tel: +41-22-919-02-11, www.iec.ch.

IEC 60061-1 Lamp Caps

IEC 60061-2 Lamp Holders

IEC 60061-3 Gauges

IEC 60061-4 Guidelines and General Information

3. REQUIREMENTS

3.1 Gauges

The lamp bulb retention system shall accept and provide for the retention and removal of the maximum and minimum bulb gages listed in the aforementioned reference documents.

3.2 Electrical Connections

The bulb retention system shall provide the required electrical connections.

3.3 Electrical Contacts

Bulb retention systems employing multiple contacts shall have them spaced so that they are electrically insulated from each other and do not short to ground.

3.4 Locking Forces

When the bulb retention system is assembled in its intended application, the insertion and rotational forces required to lock the maximum bulb gage in its final seating position shall not exceed the values shown in reference documents. (See note 1.)

3.5 Bulb Support Gauge

When the bulb retention system is assembled in its intended application, the support provided to the bulb shall be measured with a bulb support gage, if specified in the reference documents.

NOTE 1: Bulb retention systems designed to be removed from their intended application for bulb service may be checked while removed.

NOTE 2: Bulb retention systems, which provide alternative equivalent bulb supporting means, may be used and need not be checked with the bulb support gage.