INCH-POUND

A-A-52409
November 3, 1992

COMMERCIAL ITEM DESCRIPTION

LAMPS, INCANDESCENT-SEALED BEAM

The General Services Administration has authorized the use of this commercial item description (CID) as a replacement for MS18005, MS18006, MS18007, MS18008B, and MS18010A, which are canceled.

1.0 Abstract. This CID covers requirements for sealed beam incandescent lamps which provide illumination of the road and its environment.

2.0 Salient characteristics

2.1 Sealed beam lamp. Unless otherwise specified herein, the salient characteristics and markings for sealed beam lamps shall conform to SAE J1383.

2.2 Characteristics. The physical and electrical characteristics of the sealed beam lamps are as specified in figures 1 thru 4.

2.3 Dimensions. Some of the dimensions in the figures are covered by international agreements. Unless otherwise subject to international agreements as indicated by asterisks (see 6.0), dimensions covered by SAE J1383 take precedence over those in the figures.

2.4 Workmanship. Workmanship shall be in accordance with the manufacture of high quality sealed beam lamp. This shall be evidenced by the absence of defects which are detrimental to the appearance, serviceability, or durability of the headlamp such as: surface deterioration, fractures, color bleeding, deterioration of bonding material, exterior or internal corrosion.

2.5 Materials. The use of recovered material made in compliance with regulatory requirements is acceptable providing that all requirements of this CID are met (see 5.5).

Beneficial comments, recommendations, additions, deletions clarifications, etc. and any other data which may improve this document should be sent by letter to: U.S. Army Tank-Automotive Command, ATTN: AMSTA-GDS, Warren, MI 48397-5000.

AMSC N/A FSC 6240

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

3.0 Quality assurance provisions.

3.1 Responsibility for inspection. The contractor is responsible for the performance of all inspections (examinations and tests).

3.2 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this commercial item description and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. Items with known defects shall not be submitted for Government acceptance. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract or order.

4.0 Preservation, packaging, packing, labeling, and marking. Preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order (see 5.2).

5.0 Notes.

(This section contains information of a general or explanatory nature that may be helpful but is not mandatory.)

5.1 Addresses for obtaining copies of referenced documents.

5.1.1 Government standards. Copies of MS27148-2 Contact: PIN Electrical Connector: No. 12, 14, and 16 AWG are available from the Navy Publications and Printing Service Office, Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

5.1.2 SAE reference document. Copies of SAE J1383 Performance Requirements for Motor Vehicle Head Lamps are available from Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096.

5.2 Acquisition requirements. Acquisition documents must specify the following:

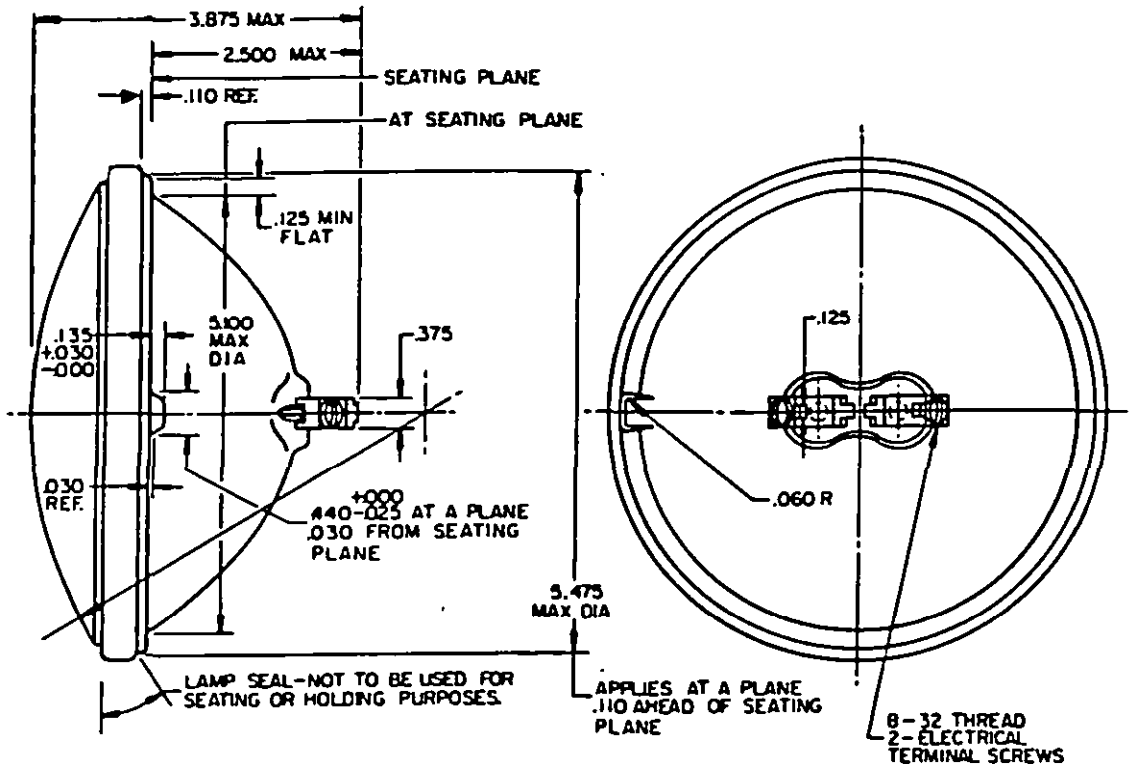
a. Title, number, and date of this commercial item description.
b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 5.1).
c. PIN (see 5.3).
d. Selection of packaging standards or data sheets (see 4.0).

5.3 CID based Part identification number (PIN). The following part identification numbering procedure is for Government purposes and does not constitute a requirement for the contractor.

A 52409 - XXXX

- XXXX — Commercial trade number (see figures 1 thru 4).
- 52409 — CID number.
- A — Designates a commercial item description.

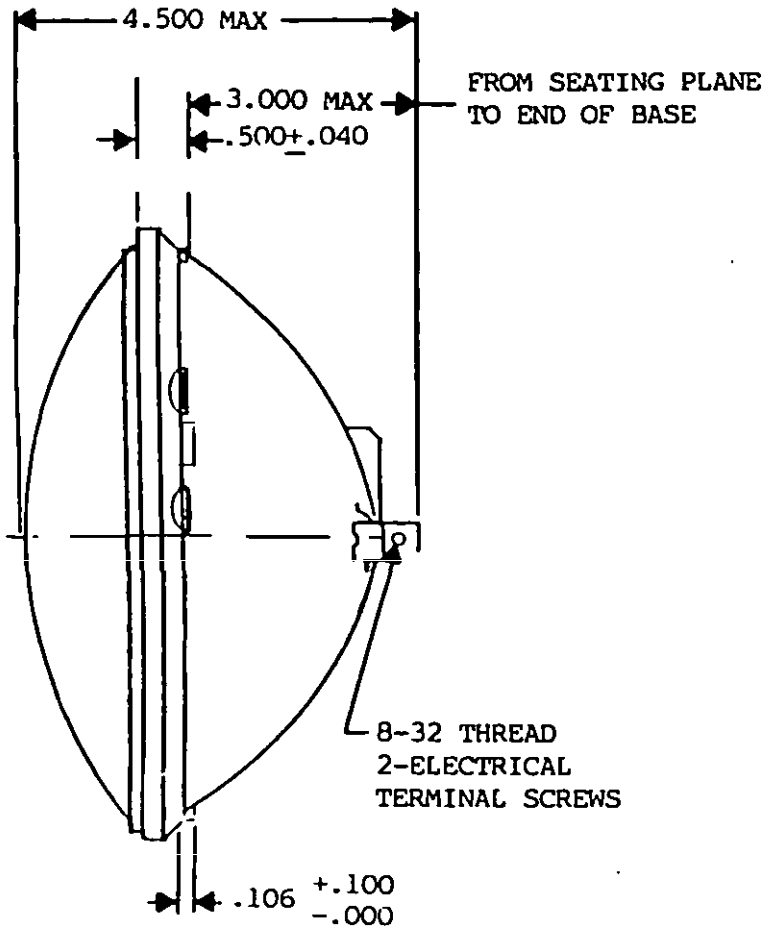
5.4 Cross-reference. Sealed beam lamps conforming to this CID are interchangeable/substitutable with sealed beam lamps conforming to MS18005, MS18006, MS18007, MS18008B, and MS18010A.



NOTES: 1. Dimensions are in inches.
2. Untoleranced dimensions are nominal and to be used for reference only

PIN no.	Former MS part no.	Former part no.	Rated		Design		Filament type	Rated avg. lab life
			volts	watts	volts	amps		
A52409-4435	MS18005-4435	ORD 446660	12	30	12.8	2.34	CC-6	100 hrs.
A52409-4525	MS18005-4525	————	3.7	2.2	3.7	0.6	C-6	200 hrs.
A52409-4530	MS18005-4530	ORD 193141	24	135	26.0	5.3	4CC-8	50 hrs.
A52409-4533	MS18005-4533	ORD 193138	6	40	6.5	6.6	5C-8	50 hrs.
A52409-4535	MS18005-4535	ORD 444279	6	30	6.4	4.69	C-6	100 hrs.
A52409-4572	MS18006-4572	ORD 573141	24	150	28	5.36	CC-6	300 hrs.

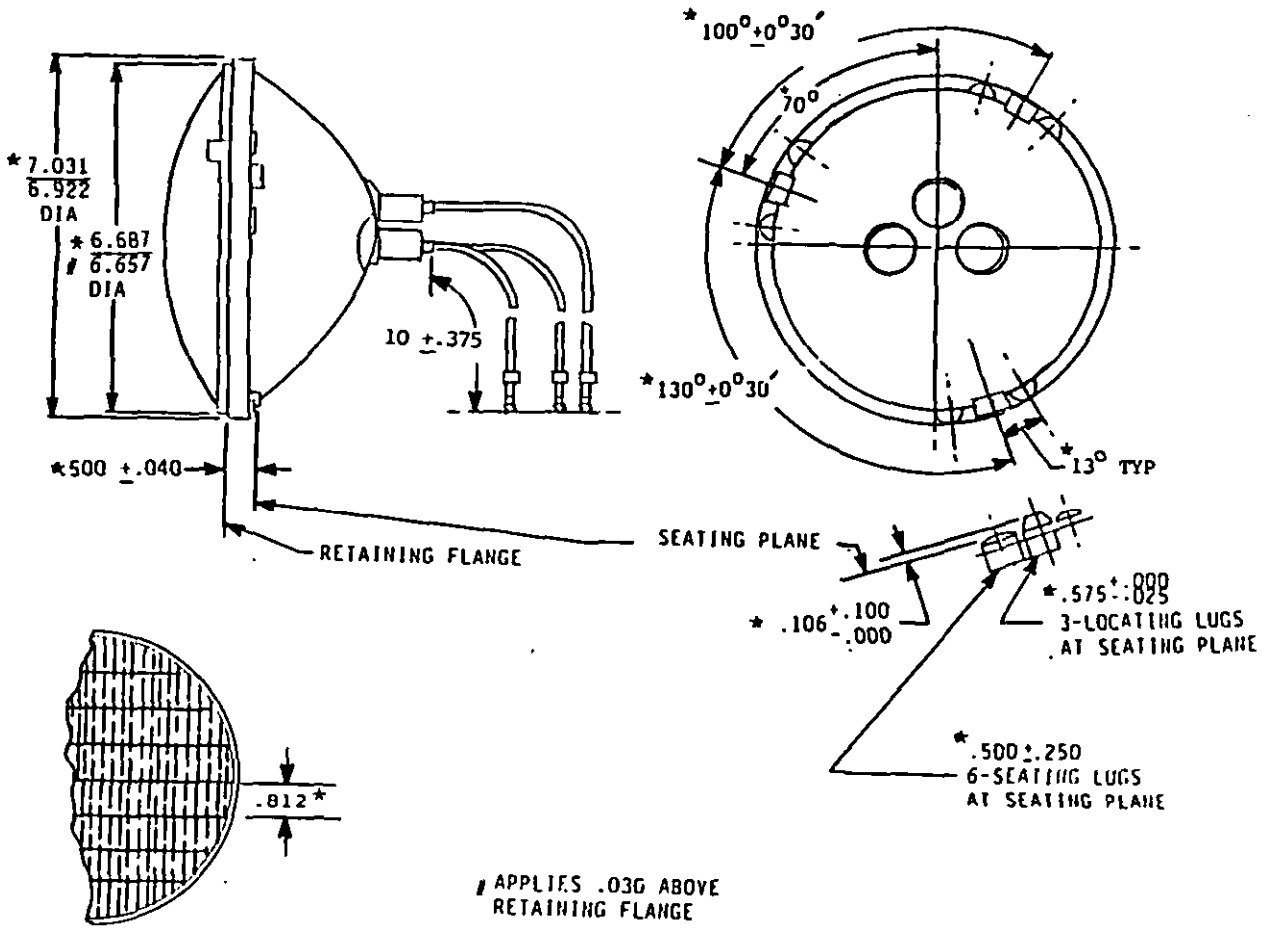
FIGURE 1. Sealed beam spot/flood lamp.



Pin no.	Former MS part no.	Rated		Design		Filament type	Rated avg. lab life
		Volts	Watts	Volts	Amperes		
A52409-4541	MS18007-4541	28	450	28	161	C-13	25 hrs
Description - Clear glass lens, filament shield							

NOTES: 1. Dimensions are in inches.
2. Untoleranced dimensions are nominal and to be used for reference only.

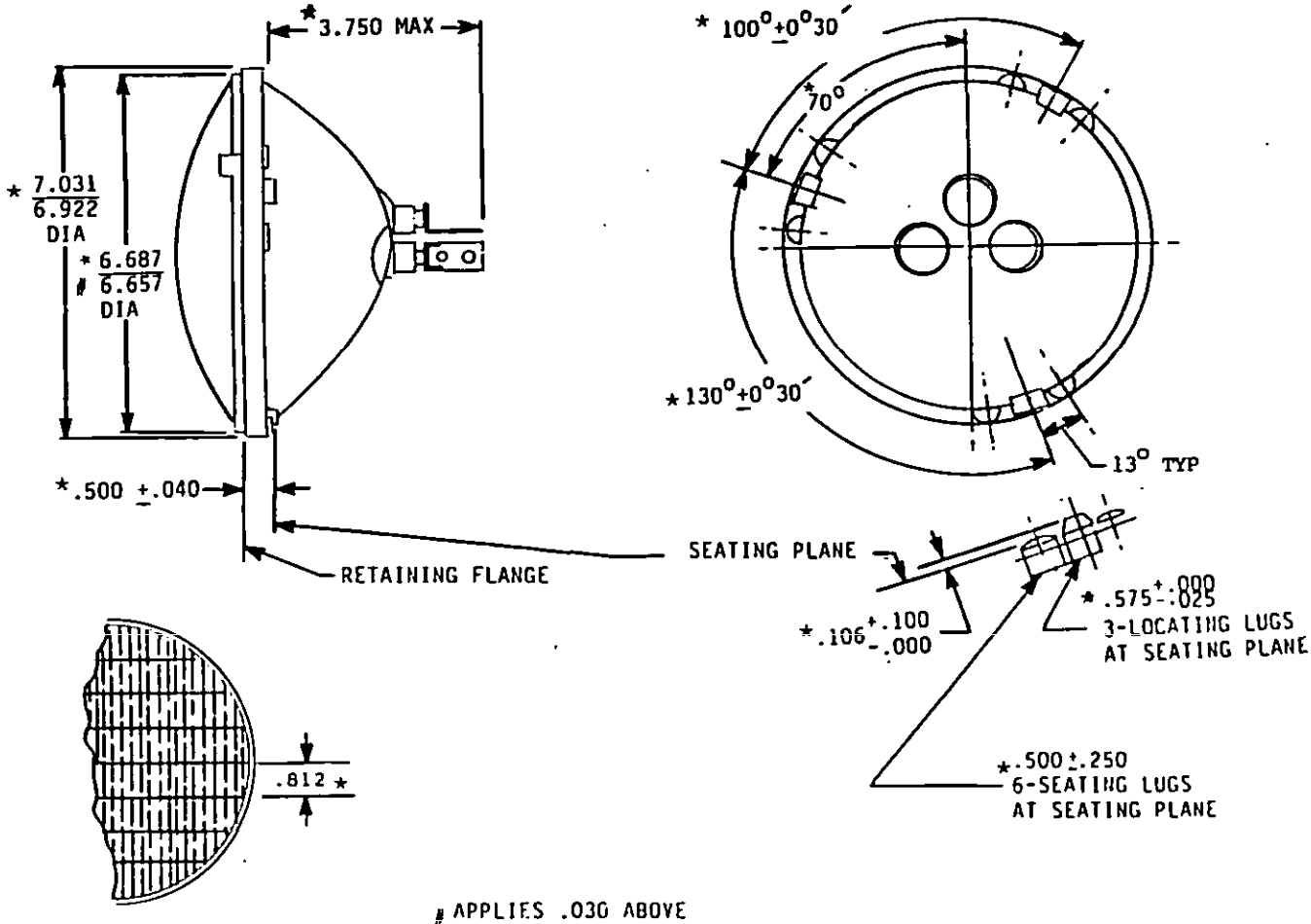
FIGURE 2. Sealed beam spot lamp.



Pin no.	Former MS part no.	Army former part no.	Rated		Design		Filament type	Rated avg. lab life
			Volts	Watts	Volts	Amps		
A52409-4863	MS18008-4863	799868	24	80/60	28/28	286/214	CC6/CC6	100/400 hrs
Description - Clear glass lens, prismatic -- 60N filament shield								

NOTES:
1. Dimensions are in inches.
2. Tolerance ± .010 unless otherwise specified.
3. Dimensions covered by international agreements are noted by use of an asterisk.
4. *Lens to be divided into 8 horizontal zones which may be subdivided for optical reasons.
5. Boot material shall be made of rubber.
6. The 3 cables shall be made of 14 gage wire.
7. Contact pins to be used shall be in accordance with MS27148-2.

FIGURE 3. Sealed beam lamp, 3 cable type.



APPLIES .030 ABOVE RETAINING FLANGE

Pin no.	Former MS part no.	Rated		Design		Filament type	Rated avg. lab life
		Volts	Watts	Volts	Amps		
A52409-4801	MS18010-4801	24	80/60	28/28	286/214	CC6/CC6	400/400 hrs
Description - Clear glass lens, prismatic - 60N, filament shield							

NOTES:
1. Dimensions are in inches.
2. Tolerances ± .010 unless otherwise specified.
3. Dimensions covered by international agreements are noted by use of an asterisk.
4. *Lens to be divided into 8 horizontal zones which may be subdivided for optical reasons.

FIGURE 4. Sealed beam lamp, 3 contact lug type.

5.5 Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

5.7 Metric products. Sealed beam lamps that are manufactured to metric dimensions will be considered on the following basis:

a. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, provided they fall within specified tolerances using conversion tables contained in the latest revision of ASTM E380 and all other requirements of this Commercial Item Description are met.

b. If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable.

c. The contracting officer has the option of accepting or rejecting the product.

6.0 International interest. Certain provisions of this CID (identified by *) are the subject of international standardization agreements (ABCA QSTAG-208, NATO STANAG 4005, and NATO 4040VEH). When amendment, revision, or cancellation of this commercial item description is proposed that will modify the international agreements concerned, the preparing activity will take appropriate action through international standardization channels, including departmental standardization offices, to change the agreement or make other appropriate accommodations.

Custodians:
Army - AT
Navy - YD
Air Force - 99

Review activities:
Air Force - 11
DLA - GS

User activities:
Navy - SH
Air Force - 82

Preparing activity:
Army - AT

(Project 6240-1322)