

[INCH-POUND]
A-A-52428A
April 21, 1997
SUPERSEDING
A-A-52428
(See 6.4)

COMMERCIAL ITEM DESCRIPTION

REFLECTOR, INDICATING, CLEARANCE

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. **SCOPE.** This CID covers a clearance indicating reflector assembly, also referred to herein as reflector, which is comprised of a red or amber reflecting element (lens), mounted in a one or two piece metal flanged housing (see figure 1). This reflector is used on vehicles to give an indication of presence to an approaching driver by reflected light from the headlamps on the approaching vehicle. Reflectors may also be used on structures or road hazards for supplementary night parking.

2. SALIENT CHARACTERISTICS

2.1 **Materials.** Unless otherwise specified herein, the materials used shall be in accordance with the manufacturer's materials specifications for reflector, indicating clearance. The use of recovered material made in compliance with regulatory requirements is acceptable provided all requirements of this CID are met (see 3.1).

2.1.1 **Lens.** The reflecting elements shall be made of acrylic material and in accordance with SAE J576. The colors shall be red or amber in accordance with SAE J578.

2.1.2 **Flanged housing.** The flanged housing shall be made of corrosion resistant material (see 2.5).

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 and Armaments Command, ATTN: AMSTA-TR-E/BLUE, Warren, MI 48397-5000.

AMSC N/A

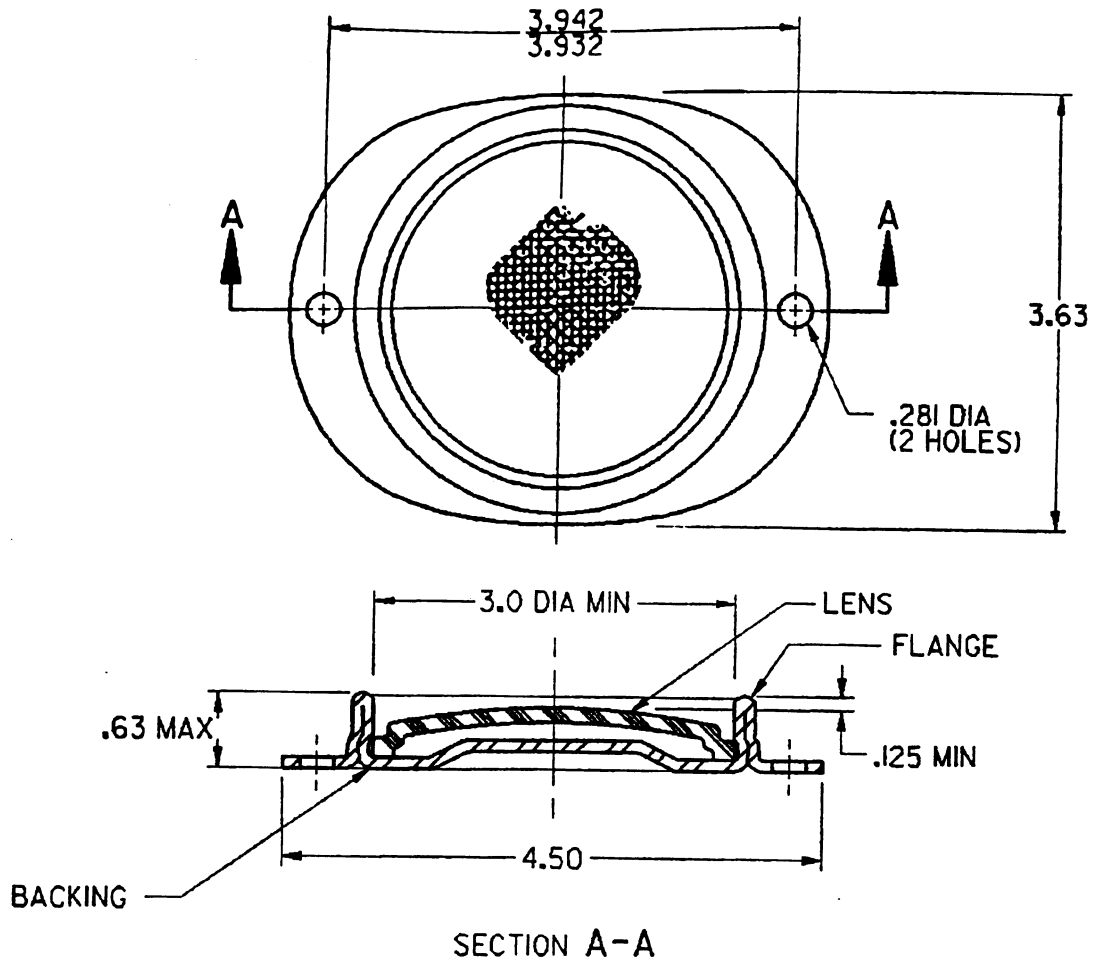
FSC 9905

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

A-A-52428A

2.1.2.1 Backing. Backing material for flanged housing made of two-piece construction shall be made of the same material used for the flanged housing and treated to resist rusting/corrosion (see 2.5).

2.2 Design and construction. Design and construction of the reflector shall be in accordance with figure 1.



PIN	Lens color	Former MS part number
AA52428-1	Red	MS35387-1
AA52428-2	Amber	MS35387-2

FIGURE 1. Reflector, indicating clearance.

NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerances are ± 0.031 .
2. This CID is not intended to limit the design or configuration other than to features/dimensions specified herein.

FIGURE 1. Reflector, indicating clearance - Continued.2.3 Performance.

2.3.1 Reflecting power, intensity, and color. The reflecting element (lens) shall meet the photometric requirements of SAE J594 and the color requirements of SAE J578 when tested in accordance with SAE J575.

2.4 Environmental conditions. The reflector assembly shall evidence no malfunction after being exposed to environmental tests in accordance with SAE J575.

2.5 Finish. Cleaning, pretreating, priming, and painting of the reflector shall conform to an appropriate chemical agent resistant coating (CARC) paint system selected from Drawing 12369000. Color of paint final top coat shall be camouflage forest green no. 383 (see 6.1.1).

2.6 Identification marking. Identification markings shall be permanent and legible and shall include, as a minimum, the manufacturer's identification code (CAGE), the contract number, the national stock number (NSN) and the Part or Identifying Number (PIN) (see 6.2 and 6.3).

3. REGULATORY REQUIREMENTS

3.1 Recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with Paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4. QUALITY ASSURANCE PROVISIONS

4.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order (see 6.2).

A-A-52428A

6. NOTES

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

6.1 Addresses for obtaining copies of referenced documents.

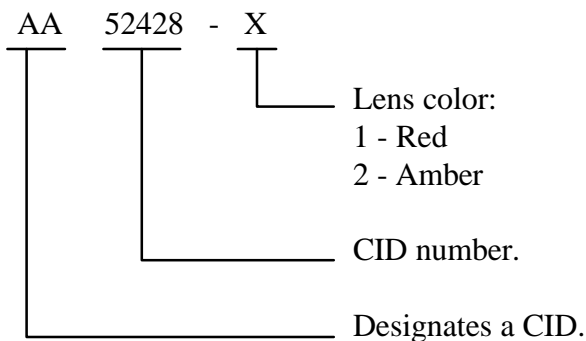
6.1.1 Government documents. Copies of Drawing 12369000 “Chemical Agent Resistant Coatings (CARC)” are available from the Contracting Officer, U.S. Army Tank-automotive and Armament Command, ATTN: AMSTA-TR-E/BLUE, Warren, MI 48397-5000.

6.1.2 Non-Government documents. Copies of SAE J575 “Tests for Motor Vehicle Lighting Devices and Components (DoD Adopted)”; SAE J576 “Plastic Materials for Use in Optical Parts Such as Lenses and Reflectors of Motor Vehicle Lighting Devices”; SAE J578 “Color Specifications (DoD Adopted)”; SAE J594 “Reflex Reflectors (DoD Adopted)” may be obtained from the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096.

6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this CID.
- b. Issue of Department of Defense Index of Specifications and Standards (DoDISS) to be cited in the solicitation.
- c. Part identification number
- d. Additional marking if required
- e. Selection of applicable level and packaging requirements.

6.3 Part identification number (PIN). The PINs to be used for reflectors acquired to this CID are created as follows:



A-A-52428A

6.4 Supersession and cross-reference data. This CID supersedes MIL-R-12144F, dated 29 October 1982, and MS35387, dated 25 May 1990. Reflectors covered by these documents are interchangeable/substitutable. This CID also replaces A-A-2129, dated February 21, 1984, which has been cancelled.

MILITARY INTERESTS:

Custodians:

Army - AT
Air Force - 99
Navy - YD1

Review Activity:

Air Force - 84

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

Preparing Activity:

Army - AT

(Project 9905-0342)