

[INCH-POUND]

A-A-59892

02 August 2012

COMMERCIAL ITEM DESCRIPTION

COVER-CARGO-HEMTT-TRUCK

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE. This commercial item description (CID) covers the general requirements for cover-cargo Heavy Expandable Mobility Tactical Truck (HEMTT). Cover-cargo (HEMTT) truck covered by this CID are intended for commercial/industrial applications.
2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID uses a classification system which is included in the PIN as shown in the following example (see 7.1).



PIN example: A-A-59892-34079. See 3.1.2

3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Cover-cargo (HEMTT) truck supplied to this CID shall be as specified herein.

- 3.1.1 Drawing and dimensions. See figures 1 and 2.

- 3.1.2 Color. Color as specified in contract using FED-STD-595 and color coding selected from FED-STD-595, example as follows:

- Code 34079: Forest Green, in accordance with FED-STD-595.

- 3.2 Material. Cloth, coated, Nylon Waterproof in accordance with MIL-PRF-20696, type II, class 2 or 3. Material shall have the infrared reflectance properties in accordance with MIL-DTL-53039 or MIL-DTL-64159.

- 3.2.1. Stitching. If stitching is used, all stitching must be sealed for water proofing as follows.

- 3.2.1.1 Recommended application procedure for seam sealant.

Comments, suggestions, or questions on this document should be addressed to DLA Land and Maritime, Attn: VAI, 3990 East Broad Street, Columbus, OH 43218-3990 or fluidflow@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online at <https://assist.dla.mil>.

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- a. Arrange the sewn seam flat onto a hard surface in such a way as to expose the stitched areas. Remove talc and other surface contaminants by rubbing the seam areas with a toluol soaked cloth.
- b. Using a firm bristle brush, apply the sealant to the exposed seam, working the sealant under any overlapped seam flaps or so called "French Laps". Having applied the sealant, press the flaps back over and onto the drying sealant.
- c. Brush the sealant thoroughly over the stitching to penetrate and fill the needle holes.
- d. Allow sealant to dry for 10-20 minutes. High humidity retards drying of sealant
- e. Apply a generous second coat of sealant after the first coat has dried tack free.
- f. After the final coat has dried tack free, rub talc lightly onto the seams to avoid newly sealed areas from sticking together when folded.

3.2.1.3 Thread and stitching.

- a. Seam allowance may vary to suit manufacturer
- b. Thread: In accordance with A-A-59826, type II, class A, size FF
- c. Stitching: In accordance with ASTM-D6193, type 301, (5) stitching per inch, using number 22 needle, tolerance at +/- one stitch per inch.

3.2.1.4 Sealant, seam (Vinyl coated fabrics).

- a. Solvent – Based synthetic resin
- b. Color- Transparent, light straw
- c. Solids- 23% to 27%
- d. Viscosity- Brushable
- e. Stability-excess of 6 months.
- f. Adhesion strength – 15 to 20 lbs. per inch (peel force)
- g. Net weight – Approximately 7 lbs./gal
- h. Flash point – To be specified – red label required.

3.3 Tests.

3.3.1 Hydrostatic pressure and seam blocking tests. Assuming a two coat application, both sealants shall comply to FED-STD-191, methods 5514, and 5872, Covering Hydrostatic pressure and seam blocking tests respectively. With procuring activity agreement, tests may be certified and certification and test report results supplied with order if requested.

3.3.2 Alternate to hydrostatic leak proof test as specified in FED-STD-191, methods 5872. With procuring activity agreement, cover seams shall be pressure leak-proof under continuous water spray (rain simulation) of 20 psi

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nozzle pressure minimum and 3.5 GPM minimum flow conditions when directed for 20 minutes minimum at seams and stitching at nozzle distance of 2 feet +/- .5 feet from cover.

3.3.3 Alternate to cloth seam blocking tests, as specified in FED-STD-191, method 5514. With procuring activity agreement, cloth seam blocking tests may be certified.

3.3.4 Certification. All tests must be certified and certification and test reports supplied when order requested it.

3.3.5 Bonding. If heat sealing or dielectric bonding of seams is used, the strength of seams shall be same as that of fabric.

3.3.6 Draw rope. One-fourth (1/4) diameter tie down and 3/8 diameter draw rope shall be polypropylene with color to match. All rope ends shall be seared.

3.3.7 Grommet. Grommet to be in accordance with NASM 16491, size 4 as shown on figure 2.

3.3.8 Reinforcement pads. The reinforcement pads shall be same cloth and 2 layers thick (so there would be 3 layers of cloth). The dimensions are as shown on figure 1, at 10 X 20 inches and stitched or heat sealed in place using same seal width or same stitch length as tarpaulin.

3.4 Marking. Cover-cargo (HEMTT) truck supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. (NOTE: The part number marked on the unit pack shall be the CID PIN.)

3.5 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

3.6 Workmanship. Cover-cargo (HEMTT) truck shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

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

5. PRODUCT CONFORMANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, 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.

5.2 Certification. This CID requires a certification to assure proper rain proof testing is done in accordance with FED-STD-191, methods 5514.1, and 5872 or as specified in 3.3.5. And have the application of infrared reflectance properties in accordance with MIL-DTL-53039 or MIL-DTL-64159.

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

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7.2 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (see Section 3).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these cover-cargo (HEMTT) truck to DLA Land and Maritime under the Parts Management Advisory Team (PMAT) evaluation program, CAGE code 58536 should be used. For further information, contact DLA Land and Maritime, ATTN: VSC, Post Office Box 3990, Columbus, OH 43218-3990, or email at DSCC.PartsSupport@dla.mil

7.4 Source of documents.

FEDERAL STANDARD

FED-STD-191	-	Textile Test Methods
FED-STD-595	-	Colors Used in Government Procurement
FED-STD-595/34079	-	Green, Flat or Lusterless

COMERCIAL ITEM DESCRIPTION

A-A-59826	-	Thread, Nylon
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DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-PRF-20696	-	Cloth, Waterproof, Weather Resistant
MIL-DTL-53039	-	Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant
MIL-DTL-64159	-	Camouflage Coating, Water Dispersible Aliphatic Polyurethane, Chemical Agent Resistant

(Copies of these documents are available online at <https://assist.dla.mil/quicksearch/> or from the DLA Document Services Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094).

FEDERAL REGULATIONS

FAR	-	Federal Acquisition Regulations (FAR)
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(Copies of these documents are available online at www.acquisition.gov/comp/far/index.html or from U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401.)

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ASTM INTERNATIONAL

ASTM D6193 - Standard Practice for Stitches and Seams

(Copies of these documents are available online at <http://www.astm.org> or from the ASTM International, P.O. Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

AEROSPACE INDUSTRIES ASSOCIATION (AIA)

AIA/NAS NASM16491 - GROMMET, METALLIC, GENERAL SPECIFICATION FOR

(Copies of these documents are available online at <http://www.aia-aerospace.org> or from the Aerospace Industries Association, 1000 Wilson Boulevard, Suite 1700, Arlington, VA 22209-3901.)

7.5 Ordering data. The contract or order should specify the following:

- a. CID document number, revision and CID PIN.
- b. Product conformance provisions (see 5.1).
- c. Test results (see 5.1).
- d. Hydrostatic pressure and seam blocking tests (see 3.3.1).
- e. Alternate pressure leaked proof tes, (see. 3.3.2).
- f. Alternate to cloth seam blocking tests (see 3.3.3).
- g. Test certification (see 5.2).
- h. Packaging requirements (see 6.).

7.6 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

MFG's CAGE

2H635

MFR's name and address

D.C. HUMPHR
 5000 PASCHALL AVE.
 PHILADELPHIA, PA., 19143
 (215) 724-8181
rhn@coversports.com
rhn@humphrys.biz

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54799	BRETON INDUSTRIES 1 SAM STRATTON RD. ,P.O. BOX 429 AMSTERDAM, NY, 12010 (518) 842-3030 mmalizia@bretonindustries.com
56101	JOHN JOHNSON COMPANY THE 274 S. WATERMAN DETROIT, MI, 48209 (313) 849-5209 govtsales@jjcompany.com
1RLH6	HOFFMAN FABRICATING LLC 909 E. WATERMAN WITCHTA, KS, 67202 (316) 262-6041 shala@hoffmannfabricating.com

7.7 Government users. To acquire information on obtaining these Cover-cargo-HEMTT-truck from the Government inventory system, contact DLA Land and Maritime, ATTN: DLA Land and Maritime Call Center (–NAB), P.O. Box 3990, Columbus, OH 43218–3990 or telephone (614) 692-2271 or (614) 692-3191.

7.7.1 National stock number (NSN). The following is a list of NSN's assigned which correspond to this CID. The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DLA Land and Maritime office (See 7.7).

TABLE I. NSN's.

Dash number A-A-59892	NSN
001	2540-01-182-2847

7.8 Legacy.

MIL-E-52798 is superseded by MIL-DTL-53039 or MIL-DTL-64159

MIL-C-20696 is superseded by MIL-PRF-20696

V-T-295 is superseded by A-A-59826

FED-STD-751 is superseded by ASTM-D6193

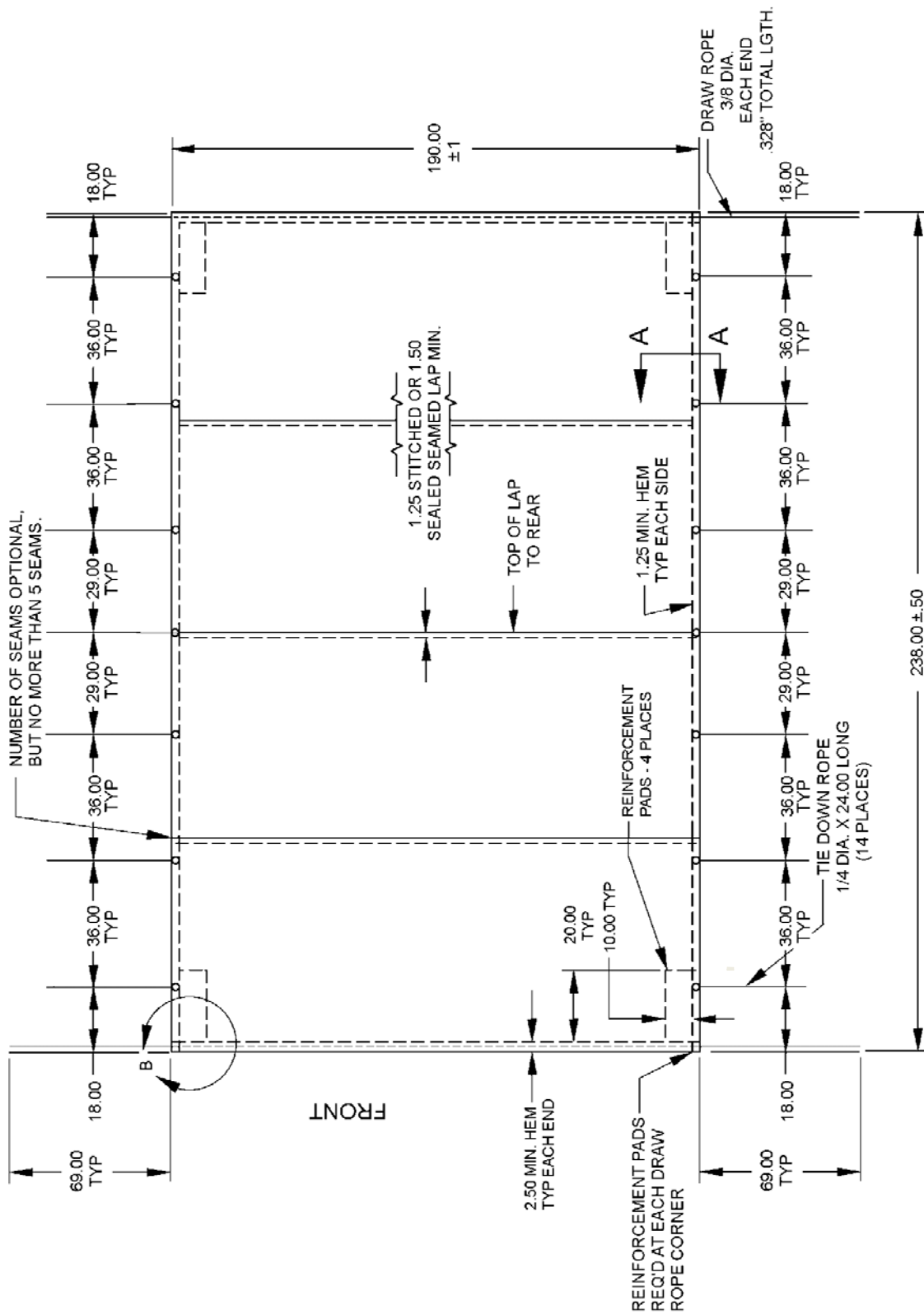


FIGURE 1. Cover HEMTT truck.

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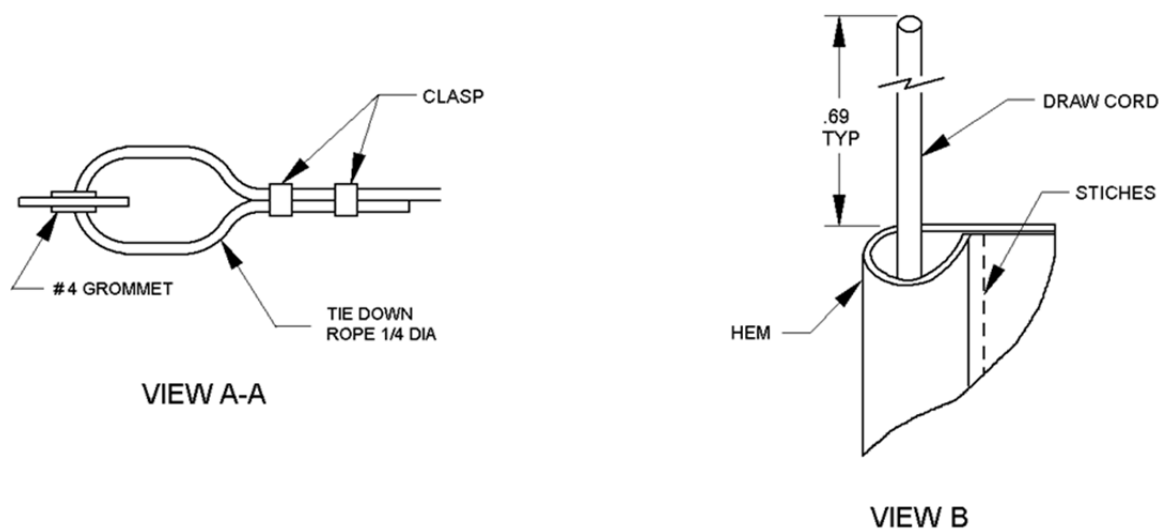


FIGURE 2. Clasp and rope through seam views.

CONCLUDING MATERIALS

MILITARY INTERESTS:

Custodians:

Army – AT
Navy –MC
Air Force – 99
DLA-CC

Reviewer activities:

Army – CT, GL, MR
Navy –NU, SA
Air Force –71

CIVIL AGENCY COORDINATION ACTIVITY GSA-FSA

Preparing Activity:
DLA-CC

Project: 2540-2012-005

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.