INCH-POUND
A-A-59606A
4 September 2013
SUPERSEDING
A-A-59606
23 August 2002

COMMERCIAL ITEM DESCRIPTION

ARM, WINDSHIELD WIPER: BLADE, WINDSHIELD WIPER: AND BLADE REFILL, WINDSHIELD WIPER

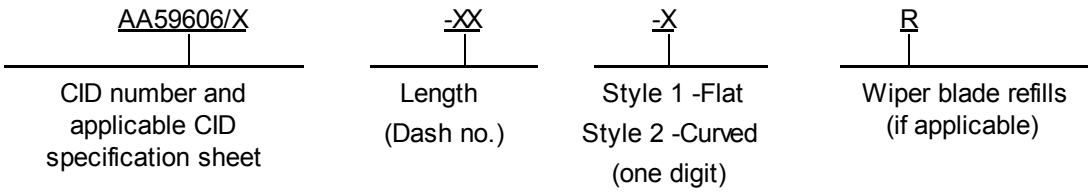
The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE. This commercial item description (CID) covers the general requirements for windshield wiper arms, blades, and blade refills for use on automotive vehicles. Requirements for specific windshield wiper arms, blades, and blade refills are covered in the individual CID sheets. Windshield wiper arms, blades and blade refills 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).

Class A - Light Duty (Passenger and Light Truck Type Vehicles) meeting the requirements of A-A-59606/1 and A-A-59606/2.

Class B - Heavy Duty (Commercial Trucks, Buses, Construction, and Tactical Type Vehicles) meeting the requirements of A-A-59606/3 and A-A-59606/4.
Style 1 - Flat
Style 2 - Curved
Sizes - Length (see 3.4.1)



PIN example: AA59606/1-12-1R is the PIN for a light duty, 12-inch flat wiper blade refill.

Comments, suggestions, or questions on this document should be addressed to: DLA Land and Maritime, Attn: VAI, P.O. Box 3990, Columbus, Ohio, 43218-3990 or emailed to FluidFlow@dla.mil. Since contact information can change, you may want to verify the currency of this address information using ASSIST Online Database at https://assist.dla.mil.

3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Windshield wiper arms, blades, and blade refills supplied to this CID shall be as specified on the applicable CID specification sheet.

3.2 CID specification sheet. The family of windshield wiper arms, blades, and blade refills shall be in accordance with the requirements specified herein and the applicable CID specification sheet. In the event of a conflict between this general CID and the applicable CID specification sheet, the latter shall govern.

3.3 Materials. Channel material shall be steel, corrosion resistant, composition 300 or 400 series in accordance with ASTM A240/A240M or comparable industry standards. Clip material shall be steel, carbon sheet or strip CRCQ, Temper 3-5 in accordance with ASTM A109/A109M or comparable industry standards. Element material shall be natural or synthetic rubber commensurate with best commercial practice.

3.4 Construction. Details of attachment and overall dimensions shall be as specified in A-A-59606/1, A-A-59606/2, A-A-59606/3, and A-A-59606/4.

3.4.1 Wiper blade. The blade shall be provided in a size range of lengths from 7-1/4 to 20 inches, with the dimensional range of sizes most used being 8, 10, 12, 14, 16, 18, and 20 inches as original equipment replacement. The blade shall include designs that are applicable to both flat and curved windshield styles. Blade hook or other means of connection to the arm shall be suitable to attach to, and function with, the wiper arms.

3.4.2 Adapters. Adapters permitting interchangeability of wiper blades to wiper arms of other manufacture shall be furnished with each blade. Necessary items such as nuts and washers, permitting interchangeability of wiper arms to wiper motors, shall be furnished with each arm.

3.4.3 Wiper arms. Extendable, fixed, and pantograph wiper arms shall be in the size range from 7-1/2 to 24 inches, with the dimensional range of sizes most used for original equipment replacement being 10, 12, 14, 16, 18, 20, 22, and 24 inches. The extendable wiper arms shall be adjustable within each stated effective length. The adjustment shall not be affected or changed as a result of operating the wiper system. The wiper arm shall function properly with the driver assemblies shown (see CID A-A-59606/2 and CID A-A-59606/3). Details of attachment shall include retainers or head assemblies for knurled, serrated, threaded, flat taper, or pinned shafts. An adjustable connector hook shall be provided on the end of the arm to enable right-hand and left-hand operation.

3.5 Performance. Arms, blade and wiping elements, and blade refills shall conform to Federal Motor Vehicle Safety Standard 104 (49 CFR 571.104) and meet the performance requirements specified herein and in SAE J903 (for Class A) or SAE J198 (for Class B),

3.5.1 Wiper arm resistance to push and pull. Position of the wiper arm in relation to the drive shaft shall not change, when subjected to a push or pull of 2 pounds against the free end of the arm, in its normal direction of travel.

3.5.2 Wiping element retention. Wiping element of the wiper blade assembly and wiper blade refills shall be so held that it shall not pull out or separate from the blade assembly under all conditions of operation. It shall withstand a direct pull in the major plane of the blade, and at right angles to the major axis of the blade, of not less than 15 pounds without separating from the metal frame of the blade assembly.

3.5.3 Temperature operational capability. Class A arms, blades and refills shall meet the temperature operational capability requirements of SAE J903. Class B arms, blades and refills shall meet the low

temperature operational capability requirements of SAE J198 and shall withstand an ambient air temperature of 200ºF for 104 hours, plus 212ºF for 70 additional hours without evidence of damage or deterioration.

3.5.4 Wiper blade aging. The wiper blade element shall withstand the applicable ozone resistance test with the specified exposure times. Class A components shall meet the requirements of SAE J903 with a 72 hour exposure time. Class B components shall meet the requirements of SAE J198 with a 168 hour exposure time.

3.6 Finish. Unless otherwise specified (see 7.4), all ferrous metal components of the arm and blade shall be treated with a phosphate coating or supplied with a black dichromate finish.

3.7 Marking. Windshield wiper arms, blades, and blade refills 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.)

3.8 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.

3.9 Workmanship. Windshield wiper arms, blades, and blade refills 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 paragraph 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.

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.

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. Environmentally 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 on the list 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 windshield wiper arms, blades, and blade refills to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.4 Source of documents.

COMMERCIAL ITEM DESCRIPTIONS

A-A-59606/1	-	Blade, Windshield Wiper, Light Duty (Class A)
A-A-59606/2	-	Arm, Windshield Wiper, Adjustable, Light Duty (Class A)
A-A-59606/3	-	Arm, Windshield Wiper, Adjustable Heavy Duty (Class B)
A-A-59606/4	-	Blade, Windshield Wiper, Heavy Duty (Class B)

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

FEDERAL REGULATIONS

FAR	-	Federal Acquisition Regulations (FAR)

(Copies of this document are available online at http://www.acquisition.gov/far/index.html from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401-0001.)

Other Publications

DEPARTMENT OF TRANSPORTATION (DOT)

49 CFR 571.104	-	Windshield Wiping and Washing Systems - Passenger Cars, Multipurpose Passenger Vehicles, Trucks, and Buses (FMVSS 104)

(Applications for copies should be addressed to the Superintendent of Documents, U.S. Government Printing Office, 732 N. Capital Street, NW #808, Washington, DC 20402-0001.)

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

SAE J198	-	Recommended Practice for Windshield Wiper Systems - Trucks, Buses and Multipurpose Vehicles
SAE J903	-	Recommended Practice for Passenger Car Windshield Wiper Systems

(Copies of these documents are available on line at www.sae.org from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, and Tel: 877-606-7323 [inside USA and Canada] or 724-776-4970 [outside USA], email at CustomerService@sae.org.)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A240/A240M - Standard Specification for Chromium - Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications

ASTM A109/A109M - Standard Specification for Steel, Strip, Carbon (0.25 maximum percent) Cold - Rolled.

(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.)

7.5 Ordering data. The contractor order should specify the following:

a. CID document number, revision and CID PIN.

b. Product conformance provisions.

c. Packaging requirements.

7.6 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

MILITARY INTERESTS:

Custodians:
Army - AT
Navy - MC
Air Force - 99
DLA - CC

Review activities:
Air Force - 84
Navy - SA

CIVIL AGENCY COORDINATING ACTIVITY:
GSA-FSS

Preparing activity:
DLA - CC

(Project 2540-2013-001)

NOTE: The activities listed above were interested in this document as 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/.