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FEDERAL STANDARD

AUTOMOBILES: SEDANS, GASOLINE & ALTERNATIVE FUEL POWERED

FSC 2310

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1. SCOPE AND CLASSIFICATION

1.1 SCOPE
This document covers new, commercially produced, four wheel, two wheel driven, passenger automobiles that are completely equipped for operation.

1.2 PURPOSE
The purpose of this document is to achieve a practical degree of standardization within the Federal Government's automotive fleet and to simplify competitive procurement of vehicles. The Federal Standard establishes general requirements and basic units that are subject to statutory price limitations.

1.3 COVERAGE
This Federal Standard classifies automobiles generally acquired competitively by the Federal Government and does not include all the varieties of the commodity indicated by the title.

The automobiles covered by this standard are listed by standard item numbers.

ITEM NO.	TYPE / PASSENGERS	MODEL	CLASS
6E	Coupe / 2	Microcompact	-
7	Sedan / 4	Minicompact	-
7E	Coupe / 2	Minicompact	-
8C, 8E, 8H & 8N	Sedan / 4	Subcompact	I
9C, 9D & 9H	Sedan / 5	Compact	II
10B	Sedan / 5	Midsize	III
11B	Sedan / 6	Large	IV
12A	Station Wagon / 4	Subcompact	I
17 & 17B	Sedan	Police use	III
17A	Sedan	Police use	IV

1.4 FUEL ECONOMY
Agencies are encouraged to use fuel mileage ratings as a factor in the selection of their vehicles. Miles per gallon ratings for all vehicles of less than 8,500 lb GVWR are available in AutoChoice under the price comparison tab or on the EPA website at www.fueleconomy.gov.

1.5 STANDARD ITEMS AND OPTIONS
The standard item and the coded additional systems and equipment (options) shall comply with the minimum and detailed requirements specified. The options are additional components, systems, devices, markings, and services that are to be provided and installed. Other special equipment items may be further described in authoritative documents. A minimum requirement cited in the standard or in the procurement document is a "Requirement" to be furnished under the contract.

1.6 VEHICLES SUBJECT TO STATUTORY PRICE LIMITATIONS
Basic commercial passenger vehicles, completely equipped for ordinary operation and identified by the item numbers listed in the below table, are subject to statutory price limitations pursuant to 31 U.S.C. § 1343. The current statutory price limitations were established in the Consolidated Appropriations Act, 2010, Public Law 111-117, Division C, Title VII, Section 702 (December 16, 2009).

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Item No.	6	7	8/12	9	10/17/17B	11/17A
	Class None Microcompact 2 Passenger Coupe	Class None Minicompact 2/4 Passenger Coupe/Sedan	Class I Subcompact 4 Passenger Sedan / SW	Class II Compact 5 Passenger Sedan	Class III Midsize 5 Passenger Sedan	Class IV Large 6 Passenger Sedan
Style	Trunk	Trunk/ Hatchback	Trunk / SW	Trunk	Trunk	Trunk
Volume Index, cu. ft., min.	45	85	103	110	121	121 / 131
Wheelbase, in., min.	73.5	97	103	107	108	112 / 113
Base Curb Weight, lbs., min.	1800	2400	2567	2930	3336	3663 / 3778
Engine, Cyl., Displacement min.	3/1.0L	4/1.5L or Electric Motor	4/2.0L	4/2.2L	6/2.7L	6/3.8L
Transmission Type	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Brake Type	Power Assist	Power Assist	Manual	Power Assist	Power Assist	Power Assist
Steering	Power Assist	Power Assist	Manual	Power Assist	Power Assist	Power Assist
Front Seats	Bucket	Bucket	Bucket	Bucket	Split Bench	Bucket / Split Bench
Front Impact Air Bags	Required	Required	Required	Required	Required	Required
Occupant Restraint Sys	Required	Required	Required	Required	Required	Required
Tires, Radial, Wheel/Tire Size, min.	15/P155	14/P185	14/P175	15/P205	16/P215	16/P225

2. APPLICABLE DOCUMENTS

2.1 REFERENCES

Referenced documents shall be the issue in effect on the date of manufacture.

2.2 ABBREVIATIONS AND DEFINITIONS

Following are some of the most commonly used abbreviations and their meanings, as they appear in this standard:

AutoChoice ---------- GSA On-line Vehicle Ordering System
AWD ---------- All Wheel Drive
CNG ---------- Compressed Natural Gas
CVT ---------- Continuously Variable Transmission
CYL ---------- Engine Cylinders
GVWR ---------- Gross Vehicle Weight Rating
HEV ---------- Hybrid Electric Vehicle
LE ---------- Law Enforcement
MIN ---------- Minimum

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N/A ---------- Not Available or Not Applicable
OEM ---------- Original Equipment Manufacturer(‘s)
SW ---------- Station Wagon Body Style

3. REQUIREMENTS

3.1 DESIGN

The automobiles furnished under this document shall be the vehicle manufacturer’s current production. The vehicles offered shall be as shown in the Federal Standard “Item Number.” Vehicles shall be complete with all the necessary operating components and accessories customarily furnished to the general public, whether stipulated herein or not, together with such modification, attachments, and accessories as may be necessary or specified herein to enable the vehicle to function reliably and efficiently in sustained operation. The term “heavy-duty” shall mean in excess of the usual quality, durability, or capacity that is normally supplied with the standard production vehicle or component. When heaviest duty available component is shown, the supplier may provide a vehicle with the standard component when no OEM heavy-duty component is offered for the model specified. The term “minimum” when used to describe a feature shall mean the item is required.

3.1.1 VEHICLE EQUIPMENT AND ACCESSORIES

Unless otherwise specified, the automobile(s), components, assemblies, and accessories to be delivered under the contract shall be standard or optional commercial automotive products that meet or exceed the requirements specified. They shall comply with all federal, state and local regulations applicable to the specified vehicle on the date of manufacture. All components and optional items shall be as represented in the manufacturer’s current technical and sales data. Option codes are defined in this standard, or are self-explanatory, as generally used in the automotive industry. Optional and standard equipment ordered shall be installed ready for use, unless otherwise specified.

3.1.2 BASIC VEHICLE

The basic vehicles were established by statute and are subject to price limitations. Basic vehicles shall be equipped as specified in 1.6. Standard and optional equipment described in this standard do not apply to basic vehicles.

3.2 VEHICLE AND COMPONENTS

3.2.1 EMISSION CONTROL SYSTEM

The contractor shall provide the OEM emission control system warranty, which shall be in conformance with applicable regulations of the U.S. Environmental Protection Agency.

3.2.2 BRAKE SYSTEM

All service brakes shall be of the self-adjusting, power assisted type. A four-wheel, antilock brake system shall be furnished.

3.3 DRIVETRAIN

3.3.1 ENGINE

Unless otherwise specified, the supplier shall furnish the vehicle with an engine that meets or exceeds the requirements specified. The engine furnished shall not exceed the number of cylinders specified. When specified that the vehicle will be exported, the manufacturer shall furnish an engine suitable for use at the ultimate destination. When code E2 is specified, a six cylinder engine shall be furnished. When code E3 is specified, an eight cylinder engine shall be furnished. When code VDD is specified, the engine shall selectively deactivate cylinders in order to improve fuel economy.

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3.3.2 ENGINE COMPONENTS AND SYSTEMS
When specified, the vehicle(s) shall be furnished as indicated: code E85, ethanol and gasoline compatible vehicle; and code OLS, an oil life system that visually indicates that an oil change is necessary. The system requires a manual reset each time the oil is changed.

3.3.3 DRIVING AXLE
When code ATC is specified, the OEM automatic traction control system shall be furnished. When code AWD is specified, the OEM full time, all wheel drive system shall be furnished.

3.4 SUSPENSION

3.4.1 SUSPENSION AND STEERING
When the handling and performance package, code H3, is specified, OEM's components and equipment, offered commercially and engineered for ride and handling performance, shall be furnished. When code AVSC is specified, an automatic vehicle stability control system shall be furnished.

3.4.2 TIRES
Tires shall be of radial design with all season or highway tread. Identical tires shall be furnished for all wheel positions. A Tire Pressure Monitoring System shall be provided.

3.4.2.1 SPARE TIRE
When available from the OEM, a full size spare assembly (a tire mounted on a wheel) shall be furnished. When a full size spare tire is not available, a space saving spare tire shall be furnished. Tire changing tools shall be furnished.

3.5 BODY

3.5.1 EQUIPMENT

3.5.1.1 STANDARD EQUIPMENT AND ACCESSORIES
Except as identified in vehicles subject to statutory price limitations, each vehicle shall be equipped with, but not limited to, the following: driver and passenger front air bags; air conditioning; heating/ventilating systems; interior lighting (dome); dual sun visors; dual outside mirrors; non-glare day and night type inside mirror; multi-speed, intermittent dual electric windshield wipers and washers; rear window defroster; hubcaps, wheel covers, or cast wheels; headliner; floor carpet including carpeted mats for front and rear seating areas; trunk floor covering (carpet/mat); all tinted glass windows when available; electric power outlet; keyed driver's door lock, two sets of keys/fobs; provisions for mounting front and rear license plates. License plate brackets shall be furnished when available from the OEM.

3.5.1.2 OPTIONAL EQUIPMENT AND ACCESSORIES
When the following optional equipment codes are specified, the manufacturer shall provide the vehicle with the OEM chassis equipment specified: Code SRO, reverse obstacle sensor. Code OS, OnStar system hardware and a subscription for three years from the date of delivery. Option is available only in the 48 contiguous states. Remote system services shall include automatic notification of airbag deployment, stolen vehicle tracking, emergency services, roadside assistance, door unlock, horn and lights, and vehicle diagnosis.

3.5.2 SEATS
Seats shall be as specified. All split front and bucket seats furnished (standard or optional) shall be individually adjustable for legroom. When code FFRS is specified, a rear seat that folds flat to create extended trunk space shall be furnished.

3.5.3 UPHOLSTERY AND TRIM
Unless otherwise specified, the interior trim and seat upholstery shall be cloth type.

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3.5.4 PAINT AND FINISH COLOR
Unless otherwise specified, vehicle's exterior shall be one of the manufacturer's available standard production colors selected by the customer at the time the order is placed.

3.5.5 BODY STYLE
The vehicle body style shall be as specified. When code HB is specified, a hatch back body style shall be furnished.

3.6 PARTS AND SERVICE MANUALS
When code PSM, PSME, or PSMA is specified, the contractor shall furnish all parts lists and service publications for the vehicle and all equipment furnished.
When code PSM is specified, the publications furnished shall be printed documents. The publications will be shipped separately from the vehicle to the consignee mailing address as shown on the Motor Vehicle Delivery Order.
When code PSMA is specified, 2 sets of parts & service manuals shall be sent to Warner Robins Air Force Base as detailed in the vehicle vendor's contract.
When code PSME is specified, the publications shall be electronic (CD or web-based).

3.7 STANDARD AND ADDITIONAL REQUIREMENTS

3.7.1 OCCUPANT PROTECTION
When code SIAB is specified, side-impact air bags shall be furnished for the front seat passengers. When code SRS2 is specified, side-impact air bags shall be furnished for the rear seat passengers.

3.7.2 EXPORT VEHICLES
Export vehicle(s) shall conform to applicable safety standards of U.S.A. Shipping instructions shall be in accordance with the contract.

3.7.3 PREDELIVERY INSPECTION AND SERVICING
Prior to the acceptance of the vehicle(s), the contractor, at his plant or at an authorized dealership of the same make, shall perform final predelivery inspection. This inspection shall include the predelivery servicing, lubricating, adjustments, appearance cleaning, and make-ready to use and operate the vehicle and the furnished contracted equipment. The predelivery servicing shall be performed in accordance with the vehicle manufacturer's prescribed procedures. Servicing shall comply with the ambient temperatures and conditions applicable with the route of transport and the consignee's ultimate destination and area of operation. Dealer shall not affix any dealer identification items such as decals, plates, logos, or other advertising material to the vehicle.

3.7.3.1 CODE "CNS" CONSIGNEE DELIVERY

When consignee (direct) delivery, code CNS is specified, the contractor shall deliver the vehicle to the consignee delivery address designated on the Motor Vehicle Delivery Order.

Per FSS 290 (Apr 1984) entitled: Delivery Hours - "Where prices are quoted and accepted on a destination basis, delivery shall be performed between the hours of 8:00 AM and 4:30 PM, Monday through Fridays, holidays excluded," all vehicles shall be delivered to the consignee Monday through Friday between the hours of 8:00 AM and 4:30 PM, excluding Federal Holidays.

The consignee is responsible for:

a. The predelivery inspection and servicing normally provided by the dealer during the standard dealer delivery process.
b. Notifying the contractor of the delayed delivery date and the in-transit mileage accumulation if applicable.

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c. In the presence of the delivering driver, immediately inspecting the vehicle for damage, abuse, loss or theft that may have occurred during transit. Any such findings should be accurately described on the delivery receipt the driver presents for signature. If the vehicle(s) are covered with snow, Ice or dirt so as to prevent a complete inspection at the time of delivery, this is to be noted on the delivery receipt. The driver is required to acknowledge any notification on the delivery receipt by signature.
d. Notifying the contractor of any damages or shortages found within 24 hours.
e. Obtaining local safety and emission testing that may be required.

Items normally installed by the dealer as part of the predelivery servicing shall be shipped in the vehicle. The consignee will be responsible for installing these items.

The fuel tank(s) shall be filled with a minimum of 3 gallons of fuel.

The vehicle(s) must be accepted wheels on ground.

3.7.3.2 DEALER DELIVERY
Unless otherwise specified, dealer delivery is required. The contractor shall have the final predelivery inspection and servicing performed at an authorized dealer of the same make nearest to the destination. Following predelivery servicing, the dealer shall notify the person/office designated on the Motor Vehicle Delivery Order that the vehicle is ready for pickup.

3.7.4 WORKMANSHIP
Vehicles shall be free from defects that may impair their operation, safety, emissions, and serviceability, or detract from appearance.

3.7.5 OPERATORS' MANUALS
The manufacturer shall furnish with the vehicle at least one copy of all warranty information and handbooks for the vehicle and any special equipment furnished with, or as a part of, the vehicle. The handbooks shall include as a minimum the vehicle operator's manual, vehicle maintenance handbook, and special equipment handbook.

3.7.6 STATEMENT OF ORIGIN OR BILL OF SALE
Unless otherwise specified, manufacturer's Statement of Origin or Bill of Sale showing the applicable purchase order number for each vehicle procured shall be provided. The document shall be forwarded to the Consignee Mailing Address shown on the Motor Vehicle Delivery Order prior to shipment. Vehicle title/registration and safety/emission tests are the responsibility of the requisitioning agency.

3.7.6.1 IDENTIFICATION OF VEHICLES
The Contractor must show the applicable GSA Purchase Order number on the carrier's freight bill or other document used in the delivery of vehicles awarded f.o.b. destination. This information is essential to the consignee for identification purposes. Vehicles will not be accepted by the Government without this identifying number.

3.7.6.2 GSA FORM 1398
Unless otherwise specified, the Contractor shall affix one copy of GSA Form 1398, GSA Purchased Vehicle, fully completed, to the right or left front door lock face or door post after final inspection is made. Copies of GSA Form 1398 are available from the Contracting Officer. Data shown in the solicitation schedule of items may be utilized to satisfy the requirements for the following to be shown on GSA Form 1398:
a. Receiving Agency—Examples are: State, Forest Service, GSA.
b. Purchase Order No.—Use the five-digit "case" or "file" number (often referred to as the RPN Number).

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3.8 WARRANTY

3.8.1 BASIC COMPREHENSIVE WARRANTY COVERAGE

The contractor shall provide the vehicle manufacturer's basic whole vehicle warranty. The minimum length of the warranty shall be for 3 years/36,000 miles and shall cover the entire vehicle (bumper to bumper). Some components will have additional warranties. Specific warranty terms and conditions are available from the manufacturer.
NOTE: Some manufacturers offer basic whole vehicle warranties in excess of the required minimum. This information can be found in AutoChoice.

3.8.1.1 BASIC CORROSION AND POWERTRAIN WARRANTY COVERAGE

Manufacturer's corrosion and powertrain coverage periods can be found in AutoChoice.

3.2.2 AIR POLLUTION CONTROL

The vehicle and engine shall conform to 40 CFR Subchapter C-Part 86 - "Control of Emissions from New and In-use Highway Vehicles and Engines", as evidenced by an EPA certificate of compliance. Vehicles shall also comply with all pollution control requirements for the state of final destination. Certificates of compliance shall be made available upon request.

3.8.3 DOMESTIC USE

When vehicles are used within the fifty States of the United States, the District of Columbia, Puerto Rico, American Samoa, Guam, the Republic of Palau, the Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, the Republic of the Marshall Islands, and the Virgin Islands, the warranty shall include furnishing, without cost to the Government (FOB contractor's nearest dealer or branch to vehicle's location or station), of new parts and assemblies to replace any that failed or malfunctioned within the warranty period. The Government may elect to have the corrective work performed at the contractor's plant, branch, or dealership; or with the contractor's approval, at a commercial or Government repair facility. The cost of the labor involved in the replacement of the failed or malfunctioned parts or assemblies shall be borne by the contractor.

3.8.4 FOREIGN USE

When vehicles are used outside the fifty States of the United States, the District of Columbia, Puerto Rico, American Samoa, Guam, the Republic of Palau, the Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, the Republic of the Marshall Islands, and the Virgin Islands, the warranty shall include the furnishing of new parts or assemblies to replace any returned to the contractor by the Government which failed or malfunctioned within the warranty period. The replacement parts or assemblies shall be delivered by the contractor to the port of embarkation in the United States designated by the Government. The contractor is not required to bear the cost of the labor involved in correcting defects in vehicles operated in foreign countries.

3.8.5 WARRANTY EXTENSIONS

If the contractor receives from any supplier or subcontractor additional warranty coverage on the whole or any component of the vehicle, in the form of time and/or mileage including any pro rata arrangements, or the contractor generally extends to its commercial customers a greater or extended warranty coverage, the Government shall receive corresponding warranty benefits.

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4. QUALITY ASSURANCE PROVISIONS

4.1 RESPONSIBILITY FOR INSPECTION

Unless otherwise specified in the contract or delivery order, the contractor is responsible for the performance of all inspection requirements specified herein. The contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any inspections deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 CLASSIFICATION OF INSPECTIONS

The purchaser shall specify the inspection(s) required for each vehicle. The inspections are classified as follows:

a. Source inspection.
b. Destination examination.

4.2.1 SOURCE INSPECTION

When specified, vehicles shall be inspected on completion, visually, and by examination of documentation and data books, by the Government prior to shipment from manufacturer's assembly plant or subcontractor's facility, to determine compliance to the contract requirements.

4.2.2 DESTINATION EXAMINATION

When specified, the contracted vehicle(s) shall be examined at its destination. The vehicle(s) shall be visually examined to determine compliance to the contract requirements and include the operational checks specified. Vehicle failures, defects, and/or shortcomings may be accepted subject to correction by the contractor/manufacturer of those points.

4.2.2.1 OPERATIONAL CHECKS

Operational checks shall cover all controls, systems, and devices, doors, windows, accessories, and road testing of the completed vehicle. Vehicle shall be driven at various speeds, brakes tested for dependability, vehicle checked for rattles, squeaks, and compliance to predelivery inspection and servicing.

4.3 GOVERNMENT VERIFICATION

Quality assurance operations performed by the contractor will be subject to Government verification at unscheduled intervals. Verification will consist of observation of the operations to determine that practices, methods, and procedures of the contractor's inspection are being properly applied. Failure of the contractor to promptly correct product deficiencies discovered shall be cause for suspension of acceptance until correction has been made or until conformation of product to specification criteria has been demonstrated.

4.4 PRODUCT CONFORMANCE

The products provided shall meet the salient characteristics of this standard, conform to the manufacturer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market.

5. PACKAGING

5.1 PREPARATION

Unless otherwise specified, the vehicle shall be packaged for mobile delivery in accordance with the supplier's standard commercial practice, ensuring carrier acceptance and safe delivery to destination in compliance with regulations applicable to the mode of transportation. When dealer delivery is specified, the fuel tank shall be filled to at least the quarter full mark on the fuel gauge.

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6. NOTES

6.1 ORDERING DATA

This standard reflects information on commercially available automobiles which have been segregated into classes to provide for competitive acquisition. This information is reflected as side-by-side model comparisons on the General Services Administration's website. Requisitioners must use the AutoChoice web site accessible at: www.gsa.gov/automotive to select vehicles, colors, and delivery options.

6.2 DEVIATION FROM FEDERAL STANDARD NO. 122

An agency requesting vehicle(s) and other systems or equipment not identified in the Federal Vehicle Standards should consult with the Contract Specialist for the assigned commodity to determine availability. All system/equipment not identified in the standards is reviewed by GSA Engineering to determine the appropriate application.

6.3 ENERGY POLICY REQUIREMENTS

The fleet fuel economy average of passengers automobile(s) acquired by an Executive Agency must meet or exceed the average fuel economy standard for the appropriate model year, under Executive Order 12375, dated August 4, 1982 (see FPMR 101-38.104, Fuel efficient passenger automobiles and light trucks).

6.4 CHANGES AND NOTICES

Requests for changes or additions to the Federal Vehicle Standard, along with rationale, should be sent to the General Services Administration, Center for Automotive Acquisition, Vehicle Engineering Branch, 2200 Crystal Drive, Arlington, VA 22202, for appropriate action. The requesting agency will be informed of the action taken.

CIVIL COORDINATION & PREPARING ACTIVITY:

GSA-FSS-QMDAA