

[METRIC]
A-A-52164A
July 26, 1996
SUPERSEDING
A-A-52164
22 March 1991

COMMERCIAL ITEM DESCRIPTION

MOTORCYCLE: DUAL PURPOSE, FOUR STROKE, NOMINAL 250 CC, MODIFIED COMMERCIAL

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

1. **SCOPE.** This CID covers a gasoline engine driven, chain drive, dual purpose (on-road and off-road) motorcycle with an engine having a displacement of a nominal 250 cubic centimeters (cc).
2. **SALIENT CHARACTERISTICS**
 - 2.1 **Engine.** The engine shall not be less than 246 cc displacement.
 - 2.2 **Starting.** The start lever shall be foot operated and, when specified (see 6.2), an electrical starter shall be provided.
 - 2.3 **Ignition.** The ignition shall be water resistant.
 - 2.4 **Electrical system.** The electrical system shall be 12 volt direct current (dc) with a maintenance-free type battery.
 - 2.5 **Ignition lock.** There shall be two keys provided for the ignition lock.
 - 2.6 **Suspension.** The front suspension shall be of telescopic fork type and the rear suspension shall be of swing arm type with combination shock(s) and spring(s).

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any other data which may improve this document should be sent to: U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-TR-E/BLUE, Warren, MI 48397-5000.

AMSC N/A

FSC 2340

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

A-A-52164A

2.7 Fuel tank. The fuel tank shall have sufficient capacity to provide a range of 201 kilometers (km) and a reserve capacity of 40 km at a speed of 64 kilometers per hour (km/h).

2.8 Transmission. The transmission shall not have less than 5 forward speeds.

2.9 Skid plate. The skid plate shall be made to manufacturer's standards.

2.10 Light kill switch. The light kill switch shall remove power from all lights (including brake lights) except engine warning lights.

2.11 Rear registration number and data plate. The rear registration plate shall be of a size equal to motorcycle standard license plates, and shall be mounted on the rear license plate bracket (see 6.2).

2.12 Wheels, tires and tubes. Wheels shall include heavy duty safety rims and shall be of the wire spoke type. The tread shall be Department of Transportation (DoT) approved trails universal (semi-knobby) type for use on both on-road and off-road travel. Inner tubes shall be of the heavy duty type. Wheels, tires and tire size designation systems shall conform to the Tire and Rim Association recommendations.

2.13 Painting and identification marking. Unless otherwise specified herein or in the contract order (see 6.2), identification markings, data plates, treatment, and painting shall be permanent and legible. The gas tank, left and right side covers, steel skid plate and luggage rack shall be painted. In addition, if chrome plated, the following parts shall be removed, reverse electroplated to strip the chrome and shall be painted: horn, handle bars, luggage rack, headlight ring and mounting hardware, wheel rims, chain adjusting mechanism, and rear brake lever. Bright chrome plating on the front fork shall be covered with a flexible, lusterless, black boot or lusterless black tubing. Other chrome plated bolts, nuts, and small brackets need not be reverse electroplated and painted. Bright finish aluminum wheel rims and bright finish aluminum rear swing arms shall be painted. The bright finish on the edge of the engine cylinder cooling fins shall be painted with a suitable lusterless heat resistant black paint. Decals shall be removed from all surfaces prior to painting. All parts that are reverse electroplated, bright finish aluminum wheel rims and bright finish aluminum rear swing arms shall be suitably treated and primed prior to painting. Gas tank, front and rear fenders, and left and right side covers shall be lightly sanded and treated to provide good paint adhesion prior to painting. Flaking of paint due to flexing of flexible plastic parts will be acceptable. Such parts will be repainted by the Government as necessary. Otherwise, the treatment and painting shall not be detrimental to any function of the vehicle and all warranties and performance requirements shall be met with the vehicle painted as specified herein.

A-A-52164A

2.14 Accessory equipment. Unless otherwise specified (see 6.2), accessory equipment shall include the following components:

- a. Speedometer with recording odometer.
- b. Oil filter.
- c. Manufacturer's standard tool kit.
- d. Chemical puncture seal kit for tires.
- e. Kick stand.
- f. Rearview mirrors.
- g. Turn signals (front and rear).
- h. Headlight.
- i. Combination taillight and stoplight.
- j. Horn.

2.15 Vehicle dimensions. Vehicle dimensions shall conform to table I.

TABLE I. Vehicle dimensions.

Wheel base	142.24 centimeters (cm) maximum
Ground clearance	24.13 cm minimum
Seat (measured from top of seat to ground and vehicle unloaded)	85.34 cm maximum
Luggage rack	35.56 cm length minimum 25.40 cm width minimum

2.16 Dry weight. The dry weight of the vehicle shall include the weight of the motorcycle with all attachments, accessories, and equipment but without fuel and lubricants. The dry weight shall be not more than 147.22 kilograms (kg).

2.17 Performance. The vehicle shall have a top speed of not less than 89 km/h.

2.18 Gradeability. Vehicle shall ascend a 23 meter grade of not less than 31 degrees (60 percent).

2.19 Servicing and adjusting. The contractor shall service and adjust each vehicle and its mounted equipment for operational use including at least the following: alignment of lights; adjustment of the engine; final drive chain; front and rear brakes; filling and charging battery; inflation of tires; complete lubrication of engine and running gear with grades of lubricants recommended for the ambient air temperature at the delivery point.

A-A-52164A

3. REGULATORY REQUIREMENTS

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

4.2 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.

4.3 Market acceptability (MA). The contractor shall provide products which have a proven market record based on the number of items sold, length of time the product has been on the market, and reliability and performance of the products as required under the contract or solicitation.

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

6. NOTES

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

6.1 Source of documents.

6.1.1 Government publications. Copies of paragraph 23.403 of the Code of Federal Regulations (CFR) are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

6.1.2 Non-Government documents. Copies of the Tire and Rim Association, Inc. Handbook may be obtained from The Tire and Rim Association Inc., 175 Montrose West Avenue, Suite 150, Copley, OH 44321.

A-A-52164A

6.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this specification.
- b. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced.
- c. If an electrical starter is required.
- d. Rear registration number and data plate requirements
- e. Identification, marking, treatment, painting and color requirements.
- f. Accessory equipments other than specified.
- g. Selection of applicable level and packaging requirements.

6.3 Cross reference data, Motorcycles conforming to this CID are interchangeable/substitutable with motorcycles conforming to A-A-52164.

MILITARY INTERESTS:

Custodian:

Army – AT

CIVIL AGENCY COORDINATING ACTIVITY:

GSA-FSS

Preparing Activity:

Army - AT

(Project 2340-0046)