

NOT MEASUREMENT
SENSITIVE

A-A-52613A

06 October 2010

SUPERSEDING

A-A-52613

June 17, 1996

COMMERCIAL ITEM DESCRIPTION

SEMITRAILER, REFUSE COLLECTION: TANDEM AXLE,
57 CUBIC METERS (75 CUBIC YARD), FOR USE WITH STATIONARY COMPACTORS

AND

COMPACTOR, STATIONARY, 2.7 CUBIC METERS (3.5 CUBIC YARD),
FOR USE WITH REFUSE COLLECTION SEMITRAILERS

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

1. **SCOPE.** This CID covers a commercial refuse collection semitrailer with an auxiliary engine driven hydraulic ejection plate, designed for rear loading by an electrically powered stationary compactor. This CID also covers an electrically powered stationary compactor for use with this type of semitrailer. The units (the semitrailer and compactor) procured under this CID are commercially designed by the same manufacturer and are required to be warranted by the manufacturer as specified in acquisition documents.

2. SALIENT CHARACTERISTICS

2.1 Physical characteristics.

2.1.1 Standard vehicle and accessories. Except as specified herein, the vehicle, components, assemblies, and accessories to be delivered under the contract shall be standard or optional items which meet or exceed the requirements of this specification. The vehicle shall be a standard commercial vehicle, of a model sold to a significant number of buyers other than the

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Government, in the course of normal business operation. The model furnished shall be not older than the manufacturer's current model on the date of invitation for bids.

2.1.2 Dissimilar metals. All dissimilar metals used throughout the vehicle and compactor shall be insulated from one another to prevent galvanic or electrolytic action.

2.1.3 Prohibited materials. Asbestos materials shall not be used in any form in any part of the vehicle. No item, part or assembly shall contain radioactive materials in which the specific activity is greater than 0.002 microcurie per gram or activity per item equals or exceeds 0.01 microcuries.

2.1.4 Accessibility. The design of the vehicle and optional equipment shall permit access for routine servicing and shall permit access for replacement and adjustment of component parts and accessories with minimal disturbance of other components and systems.

2.1.5 Lubrication. Lubrication means shall be provided for all parts of the semitrailer normally requiring lubrication. Where the use of high lubricating pressure will damage grease seals or other parts, fittings with pressure release shall be used.

2.1.6 Safety. All equipment or exposed portions of the equipment which are subject to extreme temperatures and inclement weather and all rotating or reciprocating parts which are of such a nature or so located as to become a hazard to operating personnel shall be insulated, fully enclosed, or properly guarded.

2.1.7 Electromagnetic radiation. The vehicle shall be suppressed to limit electromagnetic radiation in accordance with SAE J551-1.

2.2 Performance. The semitrailer shall evidence no part failure, deformation, permanent set or interference between parts when towed, both empty and when loaded with specified payload, as follows:

- a. At speeds as great as 32 kilometers per hour (km/h) (20 miles per hour (mph)) over unimproved roads and reasonably hard uneven terrain;
- b. At speeds as great as 97 km/h (60 mph) over improved roads; and
- c. At speeds as great as 16 km/h (10 mph) on 10 percent side slopes on unimproved roads and reasonably hard uneven terrain.

2.2.1 Turning ability. The semitrailer shall be capable of assuming a 90 degree angle to a coupled truck tractor without cramping and without damaging the semitrailer or the truck tractor.

2.2.2 Brake performance. The service brakes shall stop the truck tractor-semitrailer combination, with the semitrailer loaded as specified in 2.3. Requirements shall be met with a truck tractor loaded to its full rated gross vehicle weight rating (GVWR) and gross combination weight rating (GCWR).

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2.3 Volume and payload. The net volume of the refuse body shall be not less than 57.3 cubic meters (m^3) (75 cubic yards). Refuse payload capacity, evenly distributed within the load area, shall be not less than 16 350 kilograms (kg) (36 000 pounds) (lbs).

2.3.1 Wheel loading. The axles of the semitrailer shall be positioned so that the total load imposed on the tires, measured at the ground, with the semitrailer loaded as specified in 2.3, shall be not more than 151 230 Newtons (N) (34 000 lbs).

2.4 Dimensions and clearances. The semitrailer, uncoupled from the truck tractor, resting level on its landing legs on level ground, without payload, shall conform to the dimensions and clearances specified in table I:

TABLE I. Dimensions and clearances.

Feature	Dimensions and clearance	
	centimeters (cm)	inches (in)
Overall length shall be not more than	1219	(480)
Overall width shall be not more than	244	(96)
Overall height shall be not more than	411	(162)
Ground clearance shall be not less than	23	(9)
Swing radius, from centerline of kingpin to most distant point on semitrailer nose, shall be not more than	147	(58)
Distance from centerline of kingpin to front end of semitrailer shall be not less than	46	(18)
Turning clearance from the centerline of kingpin to any portion of semitrailer 15 cm (6 inches) or more below upper fifth wheel plate shall be not less than	213	(84)
Upper fifth wheel height, from the ground to underside of plate, shall be	122±2.5	(48±1)

2.5 Design and construction.

2.5.1 Axles. The semitrailer shall be equipped with tandem axles. Axle ratings shall be at least equal to the load imposed on each axle, measured at the ground, with the semitrailer loaded as specified in 2.3. The wheel bearings and axle spindles shall be oil lubricated. Oil viscosity shall be in accordance with the manufacturer's recommendations. The hub caps shall have a metal, or heavy duty plastic, body and a window for visual determination of oil level. Provision for venting or equivalent method of withstanding internal pressure buildup without leakage, and for replenishing the oil supply, shall be incorporated.

2.5.2 Suspension system. Each component of the suspension system shall have a rated capacity at least equal to the load imposed, measured at the ground, when the semitrailer is loaded as

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specified in 2.3. Clearances shall prevent interference between tires with any other part of the semitrailer under the operating conditions specified herein.

2.5.3 Wheels, rims, tires and tubes. The semitrailer shall have dual disc type wheels on both axles. Multi-piece rims shall not be furnished. Tire, rim size, disc wheel size, and ply rating shall be the same for all wheels on each vehicle.

2.5.3.1 Tires. Tires shall be of the steel belted radial tubeless type with highway tread. Tires shall be of rated capacity at least equal to the load imposed on each tire, measured at each wheel, at the ground, with the semitrailer loaded as specified in 2.3.

2.5.4 Brakes. Service brakes shall be of the full air, internal expanding type. Brake linings shall be of nonasbestos material. The braking system shall include:

- a. Standard breakaway features
- b. Relay emergency valve
- c. Air reservoir
- d. Automatic slack adjusters
- e. Piping
- f. Hose connections
- g. Gladhands
- h. Spring loaded dust covers or dummy gladhands equipped with security chains or cables, and
- i. All other components required for a complete air-brake system.

The braking system shall be installed in a manner which provides road clearance for travel over uneven terrain and protection against damage caused by objects striking components. No part of the braking system shall extend below the bottom of wheel rims. Slack adjusters shall be located above the bottom edge of the axle carrier.

2.5.4.1 Parking brakes. The semitrailer shall be equipped with spring or air diaphragm mechanical lock type parking brakes. The parking brakes shall hold the semitrailer, with rated payload, on a 10 percent grade despite the depletion of the compressed air supply. The parking brakes shall be automatically applied upon disconnection of the emergency air line and under emergency conditions.

2.5.5 Upper fifth wheel plate. The upper fifth wheel plate shall be of sufficient size to completely cover a lower fifth wheel 91 cm (36 in) in diameter. The forward end of the upper fifth wheel plate shall have a turned-up lip for ease of loading and for body protection.

2.5.6 Landing gear. The semitrailer shall have two vertical lifts, telescopic, nonrotating, landing legs, with two-speed gears, and a handcrank at the curbside. The landing legs shall be equipped with self-leveling skid pads. A holder shall be provided for the handcrank when not in use. The landing gear shall withstand, without deformation, the combined static and dynamic forces due to proportion of gross weight sustained; the forces resulting from impact during coupling and

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uncoupling operations; and the movement during packing by the compactor. When placed in travel position, the landing gear legs shall remain positively locked. The landing gear shall be protected to prevent the entrance of foreign matter which would impair its functioning or mechanical efficiency.

2.5.6.1 Landing gear range of adjustment. The landing gear shall have a range of adjustment sufficient to vary the height of the upper fifth wheel from 122 cm (48 in) to not less than 132 cm (52 in) from the ground. The clearance under the fully retracted landing gear shall exceed the semitrailer ground clearance, but shall in no case be less than 36 cm (14 in).

2.5.7 Lighting. The electrical lighting system shall be of 12 volt potential. All lights and reflectors shall be protected from operational hazards by mounting in recessed or otherwise guarded locations. Lights and reflectors shall not be mounted on vertical surface of the rub rails (unless recessed and fully protected) or on semitrailer bumpers. Moisture proof, corrosion-resistant fixtures shall be provided for stoplights, tail lights, and turn signals. A completely sealed wiring system shall be provided for stoplights, tail lights, and turn signals. The front of the semitrailer shall be equipped with a receptacle with the conductors connected and color coded as specified therein. Lights shall be constructed for easy removal and replacement of lamps and lenses without the use of any tools.

2.5.7.1 Brake lights. At least one pair of brake lights shall override the four-way emergency flasher or the two systems shall be independent of each other.

2.5.8 Rear wheel splash and stone throw protection. Rear wheels shall have rigid splash shields in front and mud flaps at the rear.

2.5.9 Body. The body configuration shall be the manufacturer's standard box shape with a full width and full height rear ejection door and with a second rear door, compatible with the configuration of the stationary compactor specified herein. The compaction area, extending from the front to rear of the body, shall withstand the maximum pressure exerted by a stationary packer upon the refuse without permanent deformation.

2.5.9.1 Conventional rear doors. Unless Dutch type rear doors are specified (see 2.5.9.2), rear doors shall be designed to mate with the compactor specified herein. The inner door shall remain securely closed except when manually opened to discharge the load. The outer door shall cover the opening in the inner door for the acceptance of the compactor, and shall be held to the inner door for transporting and discharging the load by not less than 2 cam-action latches actuated by a handle located at the extreme rear of semitrailer, and readily operable by a person standing on the ground. With the semitrailer coupled to the compactor, the door opening shall be completely closed. Door hinges, latches, and reinforcements shall keep the doors tightly aligned to prevent leakage.

2.5.9.2 Dutch type rear doors. When specified (see 6.2), Dutch type rear closure doors shall be provided. The upper door shall cover the opening through which refuse is passed from the compactor specified herein into the semitrailer body. The upper door shall be retained during

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hauling by an independent cam latch system. A channel type or double lip neoprene gasket shall provide liquid tightness along the bottom and up both sides of the lower door.

2.5.9.3 Discharge spillage. When necessary, provisions shall be made to prevent discharged refuse from spilling forward around the wheels and from collecting on suspension components.

2.5.9.4 Ejection plate. The ejection plate shall be driven by a double acting, telescopic, hydraulic cylinder assembly; shall have a travel length extending from the forward end of the body to the rear discharge door(s); shall closely fit the cross sectional dimensions of the body area to prevent bypassing refuse; and shall be guided to prevent scraping and gouging of the body inside walls. When maximum pressure is applied and released, no permanent misalignment shall be evident.

2.5.9.5 Ejection plate operation. The ejection plate operation shall conform to the following:

- a. The complete ejection cycle, consisting of ejection plate movement from the initial station at the front of the semitrailer to the final location at the discharge door opening and return, shall be achieved in not more than 2.5 minutes.
- b. The ejection plate unit pressure force range shall be from a minimum of 17.2 kilopascals (kPa) (2.5 pounds per square inch (psi)) up to not less than 58.6 kPa (8.5 psi) predicted upon variance in force (product of pressure and area) exerted by the smallest and largest inside diameter (proportionate area) cylinders of the telescoping hydraulic cylinder assembly, operating pressure of the hydraulic pump less head losses, and ejection plate area. (The manufacturer shall certify that the ejection plate unit meets the unit pressure force range requirement.)
- c. The ejection plate shall completely expel the total volume (maximum rated payload) of refuse without external assistance (manual raking or pulling of body contents).
- d. The ejection plate action, from the extreme initial position at the front to the extreme final position at the discharge door, shall be achieved in a single continuous sweep.

2.5.9.6 Engine. The power source for semitrailer hydraulic equipment operation shall be a diesel engine. The engine shall be air-cooled, of standard commercial design, with the power, torque and speed necessary to satisfactorily operate the hydraulic system. The engine shall be furnished complete with all accessories necessary for operation, including air cleaner, starting system, alternator, battery, fuel tank of sufficient capacity for eight hours of normal operation, exhaust system, engine mounted instrument panel with throttle control, start/stop switch and battery charging indicator. The battery shall be of the maintenance-free type. The engine shall be provided with an ether aid cold start system, glow plug or grid heater.

2.5.9.6.1 Engine exhaust system. The exhaust system shall be furnished with a spark arrester. The spark arrester shall have an 80 percent arresting. Means shall be provided to vent exhaust fumes away from operating personnel.

2.5.10 Hydraulic system. The hydraulic system shall include at least the components specified herein.

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2.5.10.1 Hydraulic pump. The hydraulic system shall have a flow rate of not less than 178 liters per minute (L/min) (47 gallons per minute (gpm)) at 1800 revolutions per minute (rpm).

2.5.10.2 Protective devices. The hydraulic system shall have overload protective device(s) (relief valves) for setting the maximum operating pressure to prevent damaging the hydraulic components. To prevent overtravel, automatic limit control devices shall be provided, where necessary, to stop the movement of the ejection plate at both ends of its travel.

2.5.10.3 Hydraulic cylinders. The hydraulic cylinders shall be the manufacturer's current standard size (inside diameters and lengths) and fitted with seals to prevent entrance of foreign matter and to prevent leakage of hydraulic fluid.

2.5.10.4 Telescopic cylinders. The double acting, telescopic cylinders for actuating the ejection plate shall meet the following requirements:

- a. Develop sufficient power to enable the ejection plate to provide the pressure specified in 2.5.9.5(b).
- b. Demonstrate continuous sweep action within the allotted time specified in 2.5.9.5(a).
- c. Be furnished with a fixed anchor (an adjustable traveling anchor is not acceptable).

2.5.10.5 Reservoir and filters. The hydraulic fluid reservoir shall have the capacity to maintain the fluid temperature within safe limits to prevent damage to the seals and shall have the capacity to prevent cavitation. The reservoir shall be equipped with a fluid level gage, visible from the operator's station, or a reservoir dipstick. The reservoir shall be free of foreign matter (mill scale and other particles) prior to filling with hydraulic fluid. Means shall be provided for draining, cleaning the interior, and refilling the reservoir. Filters, having capacity to permit unimpeded flow, shall be installed.

2.5.10.6 Pressure gage. A shock-resistant hydraulic pressure gage shall be permanently installed between the pressure (discharge) side of the hydraulic pump and the pressure (inlet) side of the hydraulic cylinders. The gage shall be visible from the operator's station. Provisions, such as a T-fitting with plug, shall be made for installing a pressure gage between the outlet side of the hydraulic cylinders and the return line to the fluid reservoir.

2.5.11 Controls. Either manual lever or electric pushbutton type controls shall be provided to regulate the movements of the hydraulic cylinders for actuating the ejection plate. The ejection plate hydraulic cylinder control shall have ejection, neutral, and return positions. All controls shall return automatically to neutral position when released. When manual lever type controls are furnished, the control movements shall coincide with the ejection movement, if possible. The controls shall be arranged to permit operation from ground level or from a station at engine platform level. All controls shall be identified as to function(s).

2.5.12 Sump tank. A liquid collection tank, of not less than 61 liters (L) (16 gallons) capacity, shall be provided under the body to catch drainage from wet refuse. A large faucet, or drain

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valve with gasketed hinge cap for handling heavy liquids shall be provided to drain the tank. A sump tank need not be provided when equivalent provisions are incorporated in the semitrailer body.

2.5.13 Toolbox. A toolbox shall be furnished. The box shall be weatherproof and shall provide for locking with a padlock. The toolbox shall be mounted in a protected but accessible location on the curbside of the vehicle.

2.5.14 Servicing and adjusting. Prior to acceptance of the semitrailer by the Government inspector, the contractor shall service and adjust the semitrailer for immediate operational use. The servicing and adjusting shall include at least the following:

- a. Inflation of all tires
- b. Adjustment of the engine and brake systems
- c. Check for proper functioning of all lighting; and
- d. Complete lubrication with grades of lubricants recommended for ambient temperature at the delivery point.

2.5.15 Stationary compactor. The stationary compactor shall consist of a frame structure, hopper, packer head (ram), packer guide, reciprocating packing mechanism, power unit and electric controls, all arranged for packing refuse in the rear of the semitrailer specified herein. The stationary compactor shall be completely compatible with the refuse collection semitrailer specified herein, with the compactor elevated on a loading dock not less than 129 cm (51 in) above the road surface on which the semitrailer is resting.

2.5.15.1 Reinforcements. The stationary compactor shall be fully reinforced to withstand the stresses from heavy loading and rough usage, and to provide rigidity and resist buckling. The ends of angles, channels, pipes, and other hollow members shall be closed to prevent entry of vermin or other objects.

2.5.15.2 Hopper interior. The interior of the hopper shall be free of all structural members, presenting a smooth transition from the feeding hopper to the chamber. A replaceable scraper bar shall be mounted in such a way as to sweep clear the top of the ram and prevent refuse from falling behind the ram. The hopper opening shall be not less than 198 cm (78 in) long by 147 cm (58 in) wide.

2.5.15.3 Hopper exterior. Nineteen cm (seven inch) ship and car channels shall run the entire length of the compactor exterior, one on each side, as additional reinforcing for the compactor, or a combination of I-beam and ship and car channel to provide equal strength. These channels shall completely integrate longitudinal forces within the compactor from the rear cylinder mount to the semitrailer latching devices.

2.5.15.4 Locking hooks. Locking hooks shall be located on the sides at the front of the stationary packer for locking the semitrailer in the mated position with the packer. The hooks shall engage the lugs on each side of the semitrailer when the semitrailer is brought into mating

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position with the compactor. The semitrailer and compactor shall remain secured throughout compaction use. Hooks shall be manually uncoupled from either side by a lever type handle.

2.5.15.5 Packing ram. The plates in the ram shall be reinforced throughout the heavy structural steel shapes. The ram shall penetrate the semitrailer a minimum of 56 cm (22 in). The critical areas, such as the ram top and frame floor shall be reinforced with structural steel shapes to withstand loading and impact conditions. The ram face shall be reinforced to withstand a minimum of 400 320 N (90 000 lbs) of packing force. The packing ram shall displace not less than 2.7 cubic meters (m³) (3.5 cubic yards) with each reciprocating movement of the packer head ram. The stroke of the ram shall be not less than 292 cm (115 in).

2.5.15.6 Ram cylinder(s). The ram shall be powered by cylinder(s) capable of exerting a minimum total force of 400 320 N (90 000 lbs). The complete cycle of the ram shall not exceed 50 seconds under normal loading conditions.

2.5.15.7 Ram cover. A ram cover shall be furnished to protect the hydraulic components and electrical circuits from possible damage, and prevent personnel from getting in the way of the ram during loading operations. Hazardous moving components of the stationary compactor shall be enclosed, guarded, or otherwise designed to prevent injury to personnel.

2.5.15.8 Power unit. The power unit shall be a single self-contained unit, complete with electric motor coupled to a minimum 227 L/min (60 gpm) tandem hydraulic pump. An oil reservoir tank of sufficient capacity, with filters on both suction and return lines, shall be included.

2.5.15.8.1 Motor. The power unit shall be equipped with not less than 22 kilowatts (kW) (30 hp), totally enclosed, fan cooled motor designed for 440 volt, 3 phase, 60 Hertz (Hz) operation.

2.5.15.8.2 Control panel. The power unit shall have a complete control panel. The control panel shall be capable of remote installation. Extra control cable shall be provided. The electrical controls shall include the following:

- a. Key-operated "ON/OFF" switch.
- b. Push button "START" switch.
- c. Push button "STOP" switch.
- d. Three-position switch ("IN" for ram forward position) ("OUT" for ram backward position) ("CYCLE" for automatic cycling determined by adjustable cycling timer. Operator to adjust for number of strokes desired). Three pushbutton switches accomplishing the same functions, may be substituted for the three-position switch.
- e. Key-operated power boost "LOW/HIGH" switch to facilitate clearing compactor chamber when a full semitrailer is encountered.
- f. All control mechanisms shall be complete and conveniently operable by the operator at remote locations (see above).

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Instruments and controls shall be identified as to their function and installed in a manner to facilitate removal and servicing.

2.5.15.8.2.1 Transformer. An integral transformer shall be included to supply 110 volts for control circuitry.

2.5.15.8.2.2 Indicator light. An indicator light shall be provided to indicate that the compactor is filled to capacity.

2.5.15.8.2.3 Pressure gage. A pressure gage shall be furnished to indicate the hydraulic system operating pressure.

2.5.15.8.2.4 Oil heater. A thermostatically controlled oil reservoir immersion heater shall be furnished. The heater shall be of the plug type, designed to keep the oil temperature in the reservoir constant so there is no sluggishness in the hydraulic oil system during cold weather operations when ambient temperature may be as low as -51 degrees Celsius (°C) (-60 degrees Fahrenheit (°F)).

2.5.15.8.2.5 Low oil indicator. A low oil indicator float switch shall be installed in the oil reservoir system which shall automatically shut off the compactor when the volume of hydraulic oil fails below the preset level.

2.5.15.8.2.6 Pin-off controls. Controls to assist in pin-off shall be provided. Controls shall supplement the main electrical controls when they are located in a place that prevents the operator from observing the ram during pin-off operation. Controls may be mounted on the compactor. Controls shall allow for jogging of the ram to position the ram against the semitrailer load during pin-off.

2.5.16 Noise level. If the noise level at the operator's position exceeds 84 decibels (dB(A)), a warning plate stating "CAUTION: Hearing Protection Required" shall be permanently affixed to the semitrailer in a conspicuous location at the operator's position. The noise level shall be determined with the vehicle stationary and all systems operating at maximum governed speed and rated loads.

2.5.17 Semitrailer treatment and painting. Treatment and painting shall be as specified (see 6.2) by the procuring activity for the appropriate military service, except the exterior color shall be gloss white. One coat of rust inhibiting primer shall be applied to the interior of the body.

2.5.18 Compactor treatment and painting. The interior of the compactor body shall be painted with rust inhibiting primer. The color of the exterior of the compactor shall be gloss white.

2.5.19 Compactor marking. Three metal signs, approximately 23 by 15 cm (9 by 6 in), with distinctive letters on a red background shall be permanently affixed, one to the center of the

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outside face of the compactor rear wall (away from the semitrailer) and one on each side wall. The signs shall read:

“WARNING
STAY CLEAR AT ALL TIMES WHEN
COMPACTOR IS IN OPERATION”

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. PRODUCT CONFORMANCE PROVISIONS

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

4.2 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer’s own drawings, specifications, workmanship standards, and quality assurance practices, and is the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

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 Addresses for obtaining copies of referenced documents.

6.1.1 Government publications. “Federal Acquisition Regulation (FAR)” at the Government Printing Office, 732 North Capitol St. NW, Washington, DC 20401 or website: <http://www.acquisition.gov/FAR/>.

6.1.2 Non-Government documents. Copies of SAE J551/1 “Performance Levels and Methods of Measurement of Electromagnetic Compatibility of Vehicles, Boats (up to 15 m), and Machines (16.6 Hz to 18 GHz)” are available from the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096 or website <http://www.sae.org>.

6.2 Ordering data. Acquisition documents should specify the following:

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- a. Title, number, and date of this CID.
- b. If required, the specific issue of individual documents referenced.
- c. Two section, Dutch type rear doors if required (see 2.5.9.2).
- d. Identification of the appropriate military service for painting and marking (see 2.5.17).
- e. Selection of applicable level and packaging requirements (see 5).

6.3 Cross-reference. Semitrailers and compactors conforming to this CID are interchangeable/ substitutable with ones conforming to MIL-S-62292B, dated 23 April 1993.

6.4 Key words.

Auxiliary engine driven
Hydraulic ejection plate
Rear loading

MILITARY INTERESTS:

Custodians:

Army - AT
Air Force - 99

CIVIL AGENCY COORDINATING ACTIVITY:
GSA-FAS

Preparing Activity:
Army - AT

(Project 2330-2010-005)

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