

2005 User's Guide to Options for Ambulances

The following Option Codes are offered for selected Ambulance applications.

Where necessary, detailed requirements for these codes follow this Index.

Option codes apply only as indicated in the application matrix.

Option Code	Option Description	Model 210 Type I AD	Model 211 Type I	Model 212 Type II	Model 213 Type III Narrow	Model 215 Type IIIAD
1611	Dealer Export Fee (6.2.bbb)	X	X	X	X	X
ALW	Furnish OEM Aluminum Wheels (3.6.1)	X	X	X	X	X
AMTR	Furnish Hall Effect Ammeter(s) (3.7.6)	X	X	X	x	X
AP	Furnish OEM Adjustable Pedals (3.6.1)	X	X	X	X	X
ASI	Furnish Air Cleaner Service Indicator (Dash Mounted) (3.6.4.2)	x	N/A	N/A	N/A	x
AT	Furnish All Terrain Tires (3.6.8)	X	X	X	X	X
AW2	Furnish 2yr/24,000 mi Warranty (3.19)	X	X	X	X	X
AW3	Furnish 3yr/36,000 mi Warranty (3.19)	X	X	X	X	X
AWD	Furnish OEM Four wheel drive (3.1.6)	x	x	N/A	N/A	N/A
AWDC	Furnish OEM Approved Four Wheel Drive Conversion (3.1.6)	N/A	N/A	X	N/A	X
BA	Furnish Air Brakes (3.6.5.7)	x	N/A	N/A	N/A	N/A
BPC	Change Body Paint Color (3.16.2)	x	X	X	X	x
CECE	Furnish California Emergency Vehicle Emissions Exemption (3.6.4.3)	X	X	X	X	x
CPD	Furnish Clear Plastic Doors in lieu of Roll up Door (3.11.1.2)	X	X	X	N/A	X
CRTS	Furnish OEM Cruise Control & Tilt Steering (3.6.1)	X	X	X	X	X
DDRG	Dealer Delivery to Guam (6.2.bbb)	X	X	X	X	X
DDRH	Dealer Delivery to Hawaii (6.2.bbb)	X	X	X	X	X
DDRP	Dealer Delivery to Puerto Rico (6.2.bbb)	X	X	X	X	X
DOAH	Furnish Dual Fender Mount Air Horns (3.15.3.36)	x	N/A	N/A	N/A	N/A
DSS	Furnish Air Ride Drivers Seat (3.9.3)	x	N/A	N/A	N/A	N/A
DSS2	Furnish Passenger Seat Air Ride (3.9.3)	x	N/A	N/A	N/A	N/A
DVE2	Furnish Minimum 72" Interior Height (3.10.4)	Std	N/A	N/A	N/A	x

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FFS	Furnish Fuel Water Separator Filter, heated (3.6.4.4)	x	N/A	N/A	N/A	N/A
HPL	Furnish Paddle Handle Door Latches (3.10.9)	X	X	X	X	X
K01	Furnish ALS configuration (3.1.5.1)	x	x	N/A	x	x
K02A	Furnish OEM Electric shift four wheel drive (requires AWD) (3.1.6)	x	x	N/A	N/A	X
K03	Furnish Halogen warning lights in lieu of strobes (Whelen Lights w/ AF6016 Flasher) (N/A w/ K03A) (3.8.2)	x	x	x	x	X
K03A	Furnish LED warning lights in lieu of strobes (Whelen KKK-ELED1) (N/A w/ K03) (3.8.2)	x	x	x	x	X
K04	Furnish CPR Side Seat (included with K01) (3.15.3.28)	x	x	N/A	x	X
K05	Furnish Basic medical package/ DC to AC inverter (K09), flowmeter for secondary patient, Ferno Washington 93ES & 11cot, long backboard, short backboard, portable O2, Matrix portable suction 91120402 (6.2.ss)	x	x	x	x	x
K05A	Requires K05, changes Matrix suction to Impact model 305 suction (N/A w/ K05B & C) (3.12.4)	x	x	x	x	x
K05B	Requires K05, changes Matrix suction to S.Scort , model 1002 suction (N/A w/ K05A & C) (3.12.4)	x	x	x	x	x
K05C	Requires K05, changes Matrix suction to Laerdal model 88020 (N/A w/ K05A & B) (3.12.4)	x	x	x	x	x
K06	Requires K05, Optional Cot will be furnished in lieu of 93ES (must specify K06B, C or D)					
K06B	Stryker EZ-Pro III (N/A w/ K06C, D, K07A, B, C, D, E & F) (3.15.4.M10)	x	x	x	x	x
K06C	Ferno Washington # 35A (N/A w/ K06B,D, K07A, B, C, D, E & F) (3.15.4.M10)	x	x	x	x	x
K06D	Stryker MX-Pro (N/A w/ K06B, C, K07A, B, C, D, E & F) (3.15.4.M10)	X	X	X	X	X

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K07	Requires K05, Delete Cot, Cot Mount Only (Must Pick One from K07A-F) NO COT!!!					
K07A	Install Mount only for Ferno Washington 30 (N/A w/ K06B, C & D, K07B, C, D, E & F) (3.15.4.M10)	x	x	x	x	x
K07B	Install Mount only for Ferno Washington 29M or 93ES (N/A w/ K06B, C & D, K07A, C, D, E & F) (3.15.4.M10)	x	x	x	x	x
K07C	Install Mount only for Model 11 (N/A w/ K06B, C & D, K07A, B, D, E & F) (3.15.4.M10)	x	x	x	x	x
K07D	Install Mount only for Ferno Washington 35A (N/A w/ K06B, C & D, K07A, B, C, E & F) (3.15.4.M10)	x	x	x	x	x
K07E	Ship loose Ferno Washington cot mount (N/A w/ K06B, C & D, K07A, B, C, D & F) (3.15.4.M10)	x	x	x	x	x
K07F	Ship loose Stryker cot mount (N/A w/ K06B, C & D, K07A, B, C, D & E) (3.15.4.M10)	x	x	x	x	x
K08	Furnish Walkthrough Deletion, add storage console below pass through window (3.10.15.2)	N/A	N/A	x	x	x
K09	Furnish Inverter, Vanner 20-1050 CUL/CULW, (included with K05) (3.7.8.3)	x	x	x	x	x
K10	Furnish NCG O2 outlets in lieu of Ohio style O2 outlets (3.12.1)	x	x	x	x	x
K11	Furnish OEM approved Rear air ride suspension (standard on Type I-AD) (3.6.5.10)	Std	x	N/A	N/A	x
K12	Furnish Auxiliary A/C condenser (standard on Model 210 & 211) (3.13.5.1)	Std	Std	x	x	x
K13	Furnish NATO litter accommodations on squad bench (3.15.4 M10)	x	x	N/A	x	x
K14	Furnish Voice intercom (3.15.3.4)	x	x	x	x	x
K15	Furnish Red Cross markings (in addition to standard blue star of life)	x	x	x	x	x

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	markings) (3.16.2)					
K15A	Ship loose reflective orange belt & lettering (3.16.2)	x	x	x	x	x
K15B	Delete reflective orange belt and add reflective red belt (3.16.2)	x	x	x	x	x
K17	Furnish Rust proofing (3.18)	x	x	x	x	x
K18	Furnish LSP-063 Demand Valve with hose and vehicle compatible fitting (3.15.4.M20)	x	x	x	x	x
K19	Furnish Dephi 1150 or 1151 batteries ILO OEM batteries (3.115.3.5)	x	x	x	x	x
K20	Furnish Air Force package: Air transportable, four litter capable (N/A w/ K01 & K04) Includes K13 (3.10.4)	N/A	x	N/A	N/A	N/A
K21	Furnish Severe weather insulation package (3.10.16)	x	x	x	x	x
K22	Furnish Special paint, tone down green (N/A w/ K23) (3.16.2)	x	x	x	x	x
K23	Furnish Special paint, desert sand (N/A w/ K22) (3.16.2)	x	x	x	x	x
K27	Furnish Temperature controlled drug cabinet (3.15.3.14)	x	x	x	x	x
K29	Furnish Neo Natal Package (3.1.1)	x	N/A	N/A	N/A	x
K30	Furnish Dual rear amber emergency lights in lieu of single (3.8.2)	x	x	N/A	x	x
K31	Furnish Automatic tire chains (6.2.ggg)	x	x	x	x	x
K32	Furnish Additional antenna/power leads (2 are furnished as standard) must specify location & quantity (6.2.qq)	x	x	x	x	x
K33	Furnish Additional Fuel Capacity (3.6.4.4)	x	N/A	N/A	N/A	x
K34	Furnish Linear Upper Front Warning Lights (3.8.2)	x	x	N/A	x	x
K35	Furnish OEM Upgraded Engine (3.6.3.3)	x	N/A	N/A	N/A	x
K37	Furnish Additional 12 VDC power lead for portable equipment (must specify location & quantity) (3.7.7.2)	x	x	x	x	x
K38	Furnish Wheels-Off Ground Delivery	x	x	x	x	x

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	(5.1)					
K39	Furnish Velvac 2020 Mirrors in lieu of OEM mirrors (3.9.5)	x	X	X	X	x
K40	Furnish Service Before Overseas Delivery (5.1)	X	X	X	X	x
K41	Furnish Polished Aluminum Fenderettes (5.1)	X	X	N/A	X	x
K43	Furnish David Clark Intercom System (3.15.3.4)	X	X	X	X	x
K44	Furnish Scuff Plates for Cot (3.10.10)	X	X	X	X	x
K45	Delete Curbside Overhead Compartment (3.11.1)	X	X	N/A	X	x
K46	Furnish "H" O ² Cylinder rack in lieu of "M" Cylinder rack (3.12.1)	X	X	X	X	x
K49	Furnish 110/12 volt Heat & AC comb. Unit (3.13.5) Includes K50	X	X	X	X	x
K50	Furnish 120 VAC Heater under attendant's seat (3.13.5)	X	X	X	X	X
K51	Furnish OPTICOM device (3.8.2)	X	X	X	X	x
K52	Delete slot on front of squad bench (3.11.4)	X	X	X	X	x
K53	Delete long boards, short boards & straps (requires K05) (6.2.ss)	X	X	X	X	x
KA	Furnish same OEM & Body key for all vehicles on order (3.9.2 & 3.10.9)	X	X	X	X	x
MCC	Furnish Mass Casualty Conversion (1.2.1)	x	N/A	N/A	N/A	x
MIL	Furnish Military requirements, DD250, Rear door Data plates (6.2.vv)	x	x	x	x	x
PLV	Furnish Power Locks on Body (requires PWL) (3.10.9)	X	X	X	X	X
PSM	Furnish Parts and Service Manuals (6.2.ww)	x	x	x	x	x
PSME	Furnish Parts and Service Manuals Electronic (6.2.ww)	x	x	x	x	x
PT	Furnish Transmission PTO Opening (6.2.l)	x	N/A	N/A	N/A	x

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PWL	Furnish OEM Cab Power Windows and Locks (3.6.1)	X	X	X	X	X
RAD	Furnish OEM AM/FM/CD w/ Clock (3.15.3.26)	X	X	X	X	X
RKE	Furnish OEM Remote Keyless Entry (3.6.1)	X	X	X	X	X
RM5	Furnish Heated Exterior Rearview Mirrors (6.2.y)	x	N/A	N/A	N/A	x
RM6	Furnish Remote Heated Exterior Rearview Mirrors (6.2.y)	x	N/A	N/A	N/A	x
SP	Furnish OEM Skid Plate (3.6.5.3.1)	X	X	X	X	X
SROV	Furnish Reverse Obstacle Sensor (3.15.2.d)	x	X	X	X	x
TD	Delete Spare Tire (3.6.10)	X	X	X	X	x
TT	Furnish All terrain tires on rear axle only (3.6.8)	x	x	X	X	x
WR	Furnish Increased GVWR (3.4.1)	x	N/A	N/A	N/A	N/A

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The following provides additional requirements for the above listed options. Not all options have additional requirements:

CODE “AMTR” HALL EFFECT AMMETER(S)

When code AMTR is specified a Hall Effect ammeter shall be furnished for each alternator.

CODE “HPL” PADDLE HANDLE DOOR LATCHES

When code HPL is specified, A large automotive paddle style door handle shall be furnished for the patient entry and exterior compartment doors. The handle shall be chrome or bright metal finished and shall have a black outer trim gasket. Each handle shall measure approximately 5.25” wide by 6.5” high and shall be easily gripped with a gloved hand. The patient entry doors and exterior compartment doors shall be keyed alike.

CODE “K17” RUST PROOFING

When code K17 is specified, Tru-Kote 101T or equal rust proofing shall be furnished.

CODE ‘K29’ NEO NATAL PACKAGE

When code K29 is specified, The following shall be furnished:

1. Breathing air bottles(s) H or M size with mounting bracket(s) per KKK-A-1822E.
2. Oxygen and suction outlets mounted on bulkhead.
3. 6.5 KW Diesel or Hydraulic genset in sound deadened, steel compartment. Sound intrusion must be kept to absolute minimum. To be completely sealed from vehicle interior with non-combustible foil lined, thermal and acoustical, foam insulation. Must be fully serviceable from outside vehicle.
4. Roof mounted Coleman, Rotary Mach III, Air Conditioning
5. Electro-hydraulic rear mounted lift. Model furnished subject to Government approval.
6. Swivel EMT seat.
7. Two (2) captain chairs ILO squad bench.
8. Transverse mounted Ferno Washington Model 175 cot mount to accommodate patient along front bulkhead.
9. Neo-Natal transporter model, utilized by consignee, shall be furnished to vendor for determination of proper cot mount to be furnished.

Final system configuration/layout to be determined after award of contract and is subject to final customer requirements.

CODE “K40” SERVICE BEFORE OVERSEAS

When option K40 is specified, vehicles scheduled for overseas delivery shall be shipped to the ambulance manufacturer’s service center closest to the port of shipment. The service center shall ensure that the following services are performed:

1. A 3000 mile chassis service
2. The OEM and Conversion equipment functions on the predelivery check list shall be successfully completed
3. All open warranty items discovered as a part of this service shall be resolved

The dealer shall deliver the vehicle to the port of shipment when the required services have been completed.

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This option is not available with option K38.

CODE “K43” DAVID CLARK INTERCOM SYSTEM

When Option K43 is specified, A David Clark series 3800 vehicle intercom system shall be furnished in lieu of the specified system. The system shall be furnished and installed per Figure DCC Series 3800 VIS unless otherwise specified.

CODE “PLV’ POWER LOCKS ON BODY

When code PLV is specified, the side and rear patient entry doors as well as the front exterior ALS access door shall be equipped with electrically activated locks. These locks shall be interconnected to the chassis OEM electric locks so that patient compartment and ALS access areas may be secured anytime the chassis is locked. There shall further be a momentary activation switch located to the rear of the street side wall adjacent to the rear patient entry doors. Switch shall be labeled Door Locks. Additionally there will be a rubber covered, weatherproof “stealth” switch that will unlock both the cab entry doors as well as the patient compartment entry doors. Switch shall be located in the front grille area.

CODE “PSM & PSME” PARTS AND SERVICE MANUALS

When PSM or PSME is specified, the contractor shall furnish all parts lists and service publications for the vehicle and all equipment furnished.

When PSM is specified, the publications furnished shall be printed documents.

When PSME is specified, the publications shall be electronic (CD or web-based)

NOTE: The publications may be shipped separately from the vehicle. The publications may be shipped to the consignee mailing address as shown on the MVDO.

CODE “SROV” OEM Reverse Obstacle Sensor

When code SROV is specified, the vehicle shall be furnished with a sensor system that is installed on the rear of the body or rear bumper of the vehicle and detects the proximity of objects and transmits an audible signal to the driver. A switch shall be furnished that allows the driver to turn this device on/off.

CODE “SP” SKID PLATES

When code SP is specified, OEM protective plates, or shields, shall be provided when available. The skid plate(s) shall provide protection for at least the transfer case. The skid plates shall be demountable for service of the components they protect. Sufficient openings shall be provided to enable draining of transmission and servicing the underside of the engine.

CODE “WR” INCREASED GVWR

When code WR is specified, the GVWR shall be increased by the OEM to the maximum level available

CODES “WAR” & “WARV” WARRANTY COVERAGE

The contractor shall provide WAR, the OEM commercial whole vehicle (bumper-to-bumper) warranty. This coverage shall be for at least three (3) years from date of acceptance or thirty-six thousand (36,000) miles, exclusive of accumulated drive away mileage, whichever occurs first. Refer to the manufacturer’s warranty for precise terms and conditions.

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The contractor shall provide WARV, the manufacturer's warranty for the body and equipment provided in addition to the OEM vehicle. The warranty shall cover parts failure or malfunction due to design, construction or installation errors, defective workmanship, and missing or incorrect parts for a minimum of twelve (12) months or twelve thousand (12,000) miles of operation, exclusive of any accumulated drive away mileage, whichever occurs first. For foreign use vehicles, the period shall be fifteen (15) months. The warranty begins when the Government accepts the vehicle at its destination.

CODES "AWD & K02" OEM All Wheel Drive

When Option AWD is specified, the OEM 4X4 chassis shall be furnished per specification. When Option K02A is additionally specified, the chassis shall have OEM automatic electric "shift on the fly" system.

CODE "K20" AIR FORCE OPTION PACKAGE

When K20 is specified, the following shall be furnished:

1. INTERIOR HEIGHT.

The interior height shall be a minimum of 61" and shall be maximized while not exceeding the maximum overall height.

2. APPROACH, BREAKOVER, DEPARTURE ANGLES

The rear body skirt shall be tapered to permit a departure angle to be a minimum of 15 degrees and break over angle a minimum of 14 degrees. (In MIL-HDBK-1791, Paragraph 3.3.3, the referenced angle of "17 degrees" shall be changed to "15 degrees")

3. EMERGENCY LIGHTING

The upper rear body lights may be smaller than the required 9" X 7" due to the reduced vertical body space,

4. AIR TRANSPORTABILITY.

The maximum overall height shall not exceed 97 inches for 4X2, measured with full equipment load, minus passengers. The 4X4 vehicles maximum overall height shall not exceed 102 inches.

The vehicle shall be air transportable in C-130, C-141, C-5, and C-17 aircraft in accordance with the requirements of MIL-HDBK-1791 and AFSC Design Handbook DH-1-11. Removal or relocation of mechanically attached (non-welded, non-riveted, etc.) components with common tools, requiring not more than 1 labor-hour total to remove, relocate and tiedown; and not more than 1 labor-hour total to return the vehicle to its original, as opposed to reduced, configuration; shall be acceptable. The self-mobility of the vehicle shall not be affected by reducing its configuration. Tiedowns for removed or relocated equipment shall be furnished. The vehicles shall be equipped with tie down provisions. The rated capacity of the axles and suspension system shall be not less than 1.25 times the load imposed on each by the curb weight of the vehicle. The vehicle shall be air transportable as described above without any other special provisions and without any shoring. The vehicle shall not be delivered to the Government in its reduced configuration. The Air Transportability Test Loading Agency (ATTLA) is the Department of Defense agency that is responsible for the approval of airlift cargo. ATTLA is located at Wright Patterson Air Force Base and can be contacted via e-mail at ATTLA@wpafb.af.mil.

As a note, ATTLA certification is required for items exceeding any one of the following limits:

- Length: 20 ft
- Height or Width: 8 ft
- Weight: 20,000 lbs
- Load concentration: 1600 lbs per linear foot
- Floor contact pressure: 50 psi
- Axle loads: 5000 lbs
- Wheel loads: 2500 lbs

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- Or, any item which requires special equipment or procedures for loading

The first step in the certification process is for GSA or the customer agency to send a written certification request to ATTLA, along with a description of the physical characteristics of the equipment. The contractor shall provide and submit all related drawings and engineering data directly to ATTLA. After the request, drawings and data are received; ATTLA conducts an analysis of the item's air transportability at no cost to the requesting federal agency. If the item meets the requirements, ATTLA returns a certification memo stating the conditions of approval; otherwise, ATTLA recommends changes that will allow the item to meet those requirements. Very rarely an item can not be airlifted at all. In these cases ATTLA's reply shall include an explanation of the rejection.

If analysis alone cannot positively determine the transportability of the item, then a test loading may be required. Test loadings are done when the transportability is uncertain. The test loads require a formal test report and usually are conducted as Special Airlift Missions. The government shall be responsible for costs associated with test loadings when it is determined to be required. The contractor shall supply the ATTLA certification memo to GSA and the customer agency within 120 days after receipt of order. A copy of the ATTLA certification memo shall be available during final acceptance of the vehicle.

The vehicle shall be equipped with four (4) tiedown provisions to ensure interoperability between transported equipment and tiedown devices commonly used in the transportation environment. Tiedown provisions shall conform to MIL-STD-209J for both Type I and Type II equipment. The contractor shall perform a structural analysis of the tiedown provisions and the surrounding structural elements in accordance to MIL-STD 209J requirements. In cases when the structural analysis indicates the provisions will clearly pass the requirements, actual physical testing may not be necessary. In cases when where the structural analysis indicates the provisions will marginally pass the requirements, redesign or testing shall be recommended to the contractor. In cases when where the structural analysis indicates the provisions will clearly fail the requirements, a redesign of the provisions shall be required.

The contractor shall replace all references to "maximum shipping weight" wherever it appears with "curb weight." A shipping data plate shall be furnished and shall conform to composition A (class 1 or 2) or composition C of A-A-50271. The shipping data plate shall be inscribed with a diagram. A silhouette of the vehicle showing the center of gravity shall be provided on the transportation plate. Stenciling or other suitable marking shall identify tiedown attachments. Tiedown markings shall clearly indicate that the attachments are intended for the tiedown of the equipment on the carrier.

References, publications, assistance and engineering services are available from the Military Surface Deployment and Distribution Command Transportation Engineering Agency (SDDCTEA) in Newport News, VA. SDDCTEA can be contacted at dpemail@tea.army.mil. Testing information can be obtained from the Aberdeen Test Center (ATC). ATC can be contacted through their website at <http://www.atc.army.mil>.

5. BODY ACCOMMODATIONS

the ambulance shall have the ability to accommodate four (4) Style 5, NATO litters, two of which will be suspended in the upper section of the patient compartment, one on the squad bench (see 3.11.4) and one in the place of the primary cot. The litter suspension system shall be Cast Products Model A-20201 hangers, and Model A-20260 wall hooks, and be in accordance with STANAG 2040, "Stretcher, Bearing Brackets and Attachment Supports", Edition 5 (23 Sept. 82), or later. The distance between the inside faces of the hooks and hangers shall be spaced to permit secure mounting of NATO litters, and shall interface the litters on the poles immediately outboard of the canvas. The Government will supply a Style 5, NATO litter to determine/verify the proper interface, fit and location after award of the contract.

Each set of litter supports shall be attached to structural members and be capable of supporting a minimum of 1,500 lbs., without deflection (test required), shall be recessed when not in use and shall have a positive means of retention when in

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use. A minimum of 2 inches shall be maintained between the end of the litter's poles and the rear wall/door. Wall hooks shall provide a minimum of 1 3/4 inches of clearance between the wall and the litter handle to allow hand clearance while placing the litter in the wall hood.

A four (4) sectioned compartment, with rear access, shall be provided on the left side of the vehicle to store four (4) Style 5 NATO litters. Each section shall be 8" H x 7" W x 90" D nominal. The dividers shall be aluminum. Design subject to Government approval. Body interior shall have the capability of carrying four (4) patients on Style 5, NATO litters. Aluminum litter attachments shall be Cast Products Model Nos.

- 1) Hanging Hardware-A20202
- 2) Wall Hooks-A20261
- 3) Removable Bracket-A20263 or

Approved tie downs for the litters on the floor and squad bench shall be furnished.

6. STORAGE COMPARTMENTS FOR NATO LITTERS (3.11.2) & SQUAD BENCH CUSHION STORAGE
Bidders shall furnish the following with their offer: detailed, dimensioned drawings of the interior compartmentation, floor plan, action wall, squad bench, interface/location of the Style 5 NATO litters, and external vehicle configuration which, at a minimum, shows compartmentation, lighting fixtures, door openings, and other specified hardware. The specific drawings for the furnished body shall be submitted to GSA for approval. Lighting is not required in the rear, Style 5, litter compartments.

CODE "K13" NATO LITTER OPTION

When NATO Litter Option K13 is specified, the squad bench slot shall also provide storage for bench cushions in lieu of the boards. The long boards will utilize space furnished in the front left compartment. (Not available when Air Force Option K20 is specified because of reduced interior height When Air Force Option K20 is specified)

Both squad bench cushions shall be removable and storable in the spine board slot behind the vertical face of the squad bench. The squad bench cover, under the cushions, shall contain Government approved sockets (mounting cups) to retain a Style 5 NATO Litter. Retention of patient/litter shall be via the seatbelts used to retain a Style 3 folding litter.

A seat cushion width of 14 inches is acceptable in order to accept the range of cots/litters required in the contract. All padding shall be a medium to firm density.

CODE "K11" REAR AIR RIDE SUSPENSION

When Option K11 is specified, chassis manufacturers furnished or approved rear air suspension, with electrically operated dump valve, shall be furnished.

CODE "K37" ADDITIONAL 12 VOLT POWER LEAD

When K37 is specified, an additional lead shall be furnished to a specified locations. All leads shall be tagged.

CODE "K32" ADDITIONAL ANTENNA & POWER LEAD

When Option K32 is specified, an additional antenna and an additional power lead shall be furnished to a specified location. All leads shall be tagged.

CODE "K27" TEMPERATURE CONTROLLED DRUG COMPARTMENT

When K27 is specified, a temperature controlled drug compartment shall be furnished to maintain temperatures 77 degrees F +or- 20 degrees F. with the vehicle exposed to the ambient temperatures in 3.4.2. The electrical power for the cooling/heating shall be from the power output in Figure 7.

Option Code	Option Description	Model 210 Type I AD	Model 211 Type I	Model 212 Type II	Model 213 Type III Narrow	Model 215 Type IIIAD
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CODE "K01" ALS CONFIGURATION

When K01 is specified, the ALS configuration shall be furnished. It Includes:

- a. Locked drug compartment.
- b. Dual Position cot mount.
- c. High intensity cot light.
- d. Two (2) Extra IV hangers
- e. CPR Seat

CODE "K05" BASIC MEDICAL PACKAGE

When code K05 is specified, a basic medical package shall be furnished that includes the following:

K09 - Inverter

M7 - Flow meter for Secondary Patient

M10 - Cots-Model 93ES and Model 11 (other cots may be substituted for the 93ES, see K06)

M14 - Backboards, high density plastic/Polymer w/skids (on long boards only) and quick clips, including 5 straps for long boards and 3 straps for short boards.

M17 - Portable Oxygen Unit

M18 - Portable Aspirator-Matrux Model 91120402

The purchaser may specify any of the following aspirator(s) in order to match existing equipment, training, etc. (M18):

K05A Impact, Model 305

K05B S. Scort, Model 10002

K05C Laerdal , Model 88020

The unit furnished shall also include the 115 V AC Charger, and all cables, connectors, etc.

M20 - Demand Valve (including hose and portable regulator compatible fitting). A LSP Model 063 that provides for 100 lpm flow for spontaneous inhalation and meets American Heart Association Guidelines, dated Oct. 92 shall be furnished.

CODE "K15" RED CROSS MARKINGS(FOR MILITARY & EXPORT ONLY)

When code K15 is specified, the following shall be furnished:

- a. Front markings required per KKK-A-1822E.
- b. The legend "AMBULANCE" in block blue letters on a white field not less than 6 inches in height shall be centered between "STAR OF LIFE" and Red Cross on each side of the vehicle.
- c. A block type, blue "STAR OF LIFE", not less than 16 inches, shall be on the right and left side panels. A block type, blue "STAR OF LIFE", not less than 12 inches, shall be centered between upper and lower windows of each rear door.
- d. A premasked Red Cross, on a white field, not less than 16 inches shall be on the right and left side panels. A premasked 6 inch Red Cross, on a 4 inch white field, shall be on the lower portion of each rear door. The legend "AMBULANCE" in block type blue letters, on a white field, not less than 4 inches in height shall be centered between the Red Crosses on the rear doors.
- e. The roof marking shall consist of a premasked 36 x 36 inch Red Cross on a 42 x 42 inch white field centrally located on the roof panel.

CODE "MIL" MILITARY DATA PLATES

When code MIL is specified, the following shall be furnished:

- 1. DD FORM 250 (MATERIAL INSPECTION AND RECEIVING REPORT)

Option Code	Option Description	Model 210	Model 211	Model 212	Model 213	Model 215
		Type I AD	Type I	Type II	Type III Narrow	Type IIIAD

2. Data Plates. For military consignees, a data plate only shall be furnished. (No other exterior military markings shall be furnished) Data Plate shall be as follows:

NOMENCLATURE

MANUFACTURER'S MAKE AND MODEL

MANUFACTURER'S SERIAL NUMBER

VEHICLE CURB WEIGHT: _____ KG (POUNDS)

PAYLOAD, MAXIMUM: _____ KG (POUNDS)

GROSS VEHICLE WEIGHT RATING, MAX. _____ KG (POUNDS)

GROSS COMBINATION WEIGHT RATING, MAX. _____ KG (POUNDS)

DATE OF DELIVERY: (MONTH AND YEAR)

WARRANTY: _____ MO. _____ KM (MILES)

CONTRACT NUMBER

NATIONAL STOCK NUMBER

REGISTRATION NUMBER

US PROPERTY

CODE "K21" SEVERE WEATHER PACKAGE.

When K21 is specified "Reflextex" insulation shall be furnished in walls and ceiling, in addition to standard required insulation.

CODE "K22" SPECIAL PAINT (TONEDOWN GREEN)

When code K22 is specified, paint shall be in accordance with MIL-T-1223AC (Para. 3.7.1) Markings Data Plates, etc. and 3.6.6. Paint Finish and Color. Vehicles are exempt from exterior markings, registration numbers and contract number are still required on data plate. Tonedown Paint Color 24052 of FED. STD-595 is required. The OEM bumpers shall be black painted steel.

CODE "K23" SPECIAL PAINT (DESERT SAND)

When code K23 is specified, paint shall be in accordance with MIL-T-1223AC (Para. 3.7.1) Markings Data Plates, etc. and 3.6.6. Paint Finish and Color. Vehicles are exempt from exterior markings, registration numbers and contract number are still required on data plate. Commercial Color Paint Dessert Sand Color 30313 of FED STD-595 is required. The OEM bumpers shall be black painted steel.

CODE "K49" 110/12 Volt Heat & AC Comb

When code K49 is specified, The climate control system in the patient compartment shall be capable of operating from either 120 volt A.C. power supplied by a 30 amp shoreline input or the 12 volt D.C. power supplied by the OEM chassis. The 120 volt portion of the system shall include a Kussmaul 30 Amp Auto-Eject shoreline input outlet located on the street side of the vehicle and adjacent to the standard shoreline outlet. The 120 volt input shall activate an additional air conditioning compressor and condenser as well as a 120 volt to 12 volt converter that will power the air conditioner blower motors inside the patient compartment. The 120 volt portion of the system shall be connected to the interior heat/cool thermostat located in the action area. In addition, a 120 volt auxiliary heater shall be installed underneath the attendant's seat. (Includes K50).

CODE "K46" Furnish "H" O² Cylinder in lieu of "M" Cylinder

When code K46 is specified, the Squad bench seat height shall be increased in order or accept an "H" size oxygen cylinder in a fixed rack and length shall be 72" nominal.

CODE "K08" FURNISH WALK-THRU DELETION

When code K08 is specified, a radio control head console shall be furnished between the driver's and passenger's seat. The console cover plate shall have the capability of containing two (2) 3" x 5" x 2" Motorola radio control heads, and cutouts for two (2) Motorola speaker assemblies. Additionally, this console (per Figure B) shall be capable of containing,

Option Code	Option Description	Model 210 Type I AD	Model 211 Type I	Model 212 Type II	Model 213 Type III Narrow	Model 215 Type IIIAD
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in separate slots or shelves, two (2), three (3) inch ring binder type, map books and a folding style 10" x 14" x 1" clipboard. The console assembly shall have two (2) two (2) inch access ports at the rear for passage of radio control lead cables. The outside surfaces of the console shall be covered with a Formica type material.

CODE "MCC" FURNISH MASS CASUALTY CONVERSION

When code MCC is specified, the following shall be furnished:

BODY DIMENSIONS

length 166 inches nominal

Height 75 inches nominal

INTERIOR STOWAGE ACCOMMODATIONS

1. All storage shelving shall withstand a minimum 250 lbs. capacity without deflection.
2. All cabinets and hardware (stainless steel nuts/bolts only with nylock nuts), including nut and bolt specifications shall be subject to GOVERNMENT approval.
3. All corners and edges shall have padding and doors shall be "sleeve" type.
4. The shelving system shall be designed based on government furnished equipment. Cargo type netting, type and design subject to GOVERNMENT approval, to prevent object from intruding into the walkway shall be furnished.
5. A slide out detachable aluminum walk ramp assembly for roll on roll off loading shall be furnished. The minimum capacity shall be 1400 pounds. The ramp will be stored in the walkway area when the vehicle is in transit. The ramp shall be a minimum length 10 feet, and allow the carting of the supplies that make up the government's furnished equipment on wheeled hand trucks and dollies.

DESIGN

A preconstruction conference and preconstruction drawings are required

CODE "DVE2" FURNISH EXTRA INTERIOR HEIGHT

When code DVE2 is specified, the patient compartment interior height shall be increased to a minimum of 183 CM (72 Inches).

CODE "K34" FURNISH LINEAR UPPER FRONT WARNING LIGHTS

When code K34 is specified, a Whelen 45KKKF light assembly shall be installed in place of the 3 upper front warning lights.