

Braun Industries, Inc.

One (1) == Liberty 2019 Type I HD/CV MOD 156" - 19.300 08/01/19 ==

Y__N__

One (1)
00-01-0001 GENERAL CONDITIONS

Y__N__

PURCHASER: The "Purchaser" who is hereinafter described as an individual, or a group of individuals who represent the interest of a City, Borough, County, Parish, State, or Private enterprise AND has been charged with the responsibility of purchasing one or more emergency medical ambulance(s).

BIDDER: The "Bidder" is hereinafter defined as the ambulance manufacturer and/or it's authorized Representative/Dealer.

BIDDER'S INSTRUCTIONS

Bidders shall thoroughly examine all drawings, specifications, schedules, instructions and any other documents supplied as part of this invitation to bid and shall make all investigations necessary to thoroughly inform themselves regarding the content of the written specifications, drawings, and instructions supplied herein. No plea of ignorance by the bidder pertaining to the content of the specifications, drawings, schedule, or instructions will be considered by the purchaser on the deadline, if bid submission has occurred. Failure or omission on the part of the bidder to make the necessary examinations and investigations into the content of the specifications AND make all clarifications or explanations of exceptions and conditions that exist or that may exist hereafter shall NOT be accepted as a basis for making variations to the requirements of the purchaser or compensation to the bidder.

CLARIFICATIONS: Clarifications shall be written correspondence between the bidder and the purchaser. A clarification shall include the page number, paragraph number, the text with unclear content (as written in the specification) and the definition of the clarification provided.

The Purchaser's clarifications shall be documented in writing and distributed to all qualified bidders at least two business days prior to the deadline for bid submission.

EXPLANATION OF EXCEPTIONS: Bidders may take exceptions to any part of the bid contained herein with a written itemized schedule. The schedule shall include the page number, paragraph number(s), the text that the bidder feels he cannot comply with and an explanation why the bidder feels that the requirement is not in the best interest of the purchaser AND/OR an alternate bidder solution. Alternate bidder solutions may be considered by the purchaser, if the bidder can show the purchaser that the alternate solution is, in quality and quantity, equal to OR better than the specified item. Explanations of exceptions taken must be documented and submitted with the bid proposal on or before the bid submission deadline.

Braun Industries, Inc.

PURCHASER'S INTENT

The intent of the specifications supplied herein is to purchase an ambulance with the highest level of quality and engineering excellence. The intent of this vehicle is centered on the patient's need for pre-hospital care, in conjunction with a safe working environment for the Emergency Medical Personnel.

NO ALTERNATE BIDS TAKING TOTAL EXCEPTION

BID PACKAGES SHALL NOT TAKE TOTAL EXCEPTIONS: Bidders are required under this bid invitation to give, for the consideration of the purchaser, a proposal that will comply with the written specifications, drawings, and schedules supplied herein. The specifications supplied represent a compilation of input from all disciplines of users, patients, maintenance and management personnel who are directly affected by the vehicle performance. All the personnel who have direct working contact with the vehicle specified herein base careful consideration pertaining to safety, configuration, construction, and workmanship on working experiences. The intent of this ambulance was created as a result of resolving issues and improvement suggestions that have originated from the personnel most QUALIFIED to make such input.

The purchaser makes no claim that potential issues or improvements are included in the specifications supplied herein. The purchaser will consider any valid concern by any bidder and will consider only minor specification exceptions or alternates of equal or better performance, provided that the exceptions are steered toward meeting the intent AND the exceptions are submitted with the final bid proposal on or before the bid deadline.

CAUTION: A bidder who submits a bid that takes "Total Exception" and makes an offering of some "Standard" or "Stock" unit will be viewed by the purchaser as a bidder who did not make, and is not prepared to make, a valid bid, and is not qualified to manufacture the ambulance as specified herein. Alternate bids shall NOT be considered.

INTER-AGENCY AGREEMENTS (PIGGY-BACK)

It is the intent of this bid document to make available to other government entities, by mutual agreement with the successful Bidder, the right to purchase the same or like equipment and or products, at the prices quoted for the period of the contract. Each Bidder shall indicate in the bid proposal, if the Bidder will honor other political subdivision's orders, in accordance with contract terms and conditions. This procedure is sometimes identified as a "Piggy-Back" Bid.

VENDOR QUALIFICATIONS

Braun Industries, Inc.

Regardless of chassis purchased, all bidders shall be members in good standing of the Ford Motor Company Qualified Vehicle Modifier Program (Q.V.M.). Certification verification shall be provided with the bid response. If for any reason the Q.V.M. Certification was withdrawn or suspended by Ford Motor Company within the past five years, the bidder shall supply a full written explanation of the Q.V.M. withdrawal or suspension and any corrective actions taken to regain Q.V.M. Certification.

PRODUCT LIABILITY INSURANCE

A Certificate of current liability insurance, with a Twenty-one Million Dollar minimum shall be supplied with the bid submission. The certificate of insurance shall bear the insurance carrier's name, address, and phone number. The Certificate shall also bear the name and address of the insured. This document shall contain the coverage schedule, explaining the type of insurance, the policy number, the effective date of coverage, the policy expiration date, and the individual limits of liability.

DRUG FREE WORKPLACE

The bidder shall conduct business as a Drug Free Workplace. The bidder/manufacturer shall provide notice to their employees as required under the Drug Free Workplace Act of 1988. A copy of the bidder's Drug Free Workplace policy shall be furnished to the purchaser upon request.

CHASSIS POOL

The bidder shall be a member of the Ford Motor Company's and/or the General Motor Company's Chassis Bailment Pool, regardless of the chassis specified within this specification. The bidder shall provide a current Ford Motor Company and/or General Motor Company's Pool account number to the purchaser upon request.

AMBULANCE SPECIFICATION

All ambulance modules in this specification must be built in the United States of America.

PRODUCT TESTING

AMBULANCE MANUFACTURER'S DIVISION: The Bidder shall be a member in good standing with the National Truck Equipment Association (N.T.E.A.) and the Ambulance Manufacturer's Division (A.M.D.) of N.T.E.A. The bidder shall supply a letter with the bid response to verify current membership in both the N.T.E.A. and the A.M.D.

Braun Industries, Inc.

SAE J3057: AMBULANCE MODULAR BODY EVALUATION-QUASI-STATIC LOADING FOR TYPE I AND TYPE III MODULAR AMBULANCE BODIES

SAE J3057 – The ambulance described herein shall be tested and pass all requirements of SAE J3057: Ambulance Modular Body Evaluation-Quasi-Static Loading for Type I and Type III Modular Ambulance Bodies. The test results shall be certified by an independent engineering firm not directly associated with the Ambulance Manufacturer. These certified test results shall be supplied to the purchaser upon request.

ROLLOVER CRASH TEST

The manufacturer shall perform a dynamic rollover crash test with video documentation to be provided to the Purchaser upon request. Crash tests shall be performed within a controlled and repeatable environment. All testing shall be performed by an ISO/IEC 17025 accredited laboratory by an accreditation body that is recognized by the National Cooperation for Laboratory Accreditation (NACLA) or is a signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). Refer to the following publications for specifications:

- SAE J211-1 Instrumentation for Impact Test – Part 1: Electronic Instrumentation
- SAE J211-2 Instrumentation for Impact Test – Part 2: Photographic Instrumentation
- SAE J21733 Sign Convention for Vehicle Crash Testing
- SAE 3027 Ambulance Litter Integrity, Retention, and Patient Restraint

SIDE IMPACT CRASH TEST

The manufacturer shall perform a dynamic side impact crash test with video documentation to be provided to the Purchaser upon request. Crash tests shall be performed within a controlled and repeatable environment. All testing shall be performed by an ISO/IEC 17025 accredited laboratory by an accreditation body that is recognized by the National Cooperation for Laboratory Accreditation (NACLA) or is a signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). Refer to the following publications for specifications:

- SAE J211-1 Instrumentation for Impact Test – Part 1: Electronic Instrumentation
- SAE J211-2 Instrumentation for Impact Test – Part 2: Photographic Instrumentation
- SAE J21733 Sign Convention for Vehicle Crash Testing
- SAE 3027 Ambulance Litter Integrity, Retention, and Patient Restraint

Braun Industries, Inc.

KKK-A-1822F TESTING CERTIFICATION

The bidder shall provide documentation within this bid proposal, which verifies that all KKK-A-1822F testing is current and certified by an independent engineering firm.

QUALITY ASSURANCE - SPECIFICATION COMPLIANCE

The manufacturer shall inspect and test all systems and electrical loads per Federal specification KKK-A-1822F Section 4. Testing results shall be documented and displayed in the oxygen compartment and supplied with the vehicle delivery handbook.

NOTE: The purchaser will have zero tolerance towards bidder/vendors who state compliance to specification, but delivers an incomplete product and/or substandard materials and workmanship.

NON-COLLUSIVE BID CERTIFICATION

By submission of this bid response, the Bidder and/or Bidder's authorized representative(s), certify under penalty of perjury, to the best of their knowledge and belief the following:

A. The prices in this bid response have been arrived at independently without collusion, consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor, and;

B. Unless otherwise required by law, the prices which have been quoted in the bid response have not knowingly been disclosed by the Bidder and will not knowingly be disclosed by the Bidder, prior to the public bid opening, either directly or indirectly to any competitor, and;

C. No attempt has been made or will be made by the Bidder, for the purpose of restricting competition, to induce any person, partnership, or corporation not to submit a bid response.

DEBARMENT STATUS

By submission of this bid response, the Bidder and/or its authorized representatives, certify under penalty or perjury, that to the best of their knowledge and belief they are not currently debarred from submitting bids or bidding on contracts from any agency within the home state of the purchaser, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency within the home state of the purchaser.

Braun Industries, Inc.

DELIVERY STATEMENT

The bidder shall state the number of calendar days required for delivery of the completed ambulance, after receipt of an order and receipt of chassis by the manufacturer.

Delivery shall be within _____ calendar days after receipt of order and receipt of chassis. (State number of calendar days)

REQUIRED DELIVERY ITEMS

REQUIRED DELIVERY ITEMS: Upon a successful bid award, the vendor shall provide the following to the purchaser, upon ambulance delivery:

1. Manufacturer's Quality Assurance Vehicle Testing and acceptance documents.
2. One (1) copy of conversion parts, service, and operational manuals.
3. OEM Chassis Owner's Guide materials as provided by the chassis manufacturer.
4. Two (2) copies of "as built" customized electrical schematics for the ambulance conversion.

PURCHASER'S RIGHTS

ACCEPTANCE OR REJECTION: The Purchaser reserves the right to accept or reject any and all bids as deemed to be in the best interest of the purchaser and is not bound to accept the lowest bid.

BID PROPOSAL TIME LIMITS: All bids submitted to the purchaser shall remain in effect for a minimum period of (60) sixty calendar days.

BID WITHDRAWAL: Only written bid withdrawal requests will be accepted by the purchaser. Bid withdrawals received less than (3) three working days prior to the advertised bid opening will not be accepted.

FORCE MAJEURE

The manufacturer shall not be liable or responsible to Purchaser, nor be deemed to have defaulted or breached these Terms and Conditions, for any failure or delay in fulfilling or performing any of these Terms and Conditions when and to the extent such failure or delay is caused by or results from acts or

Braun Industries, Inc.

circumstances beyond the reasonable control of the manufacturer including, without limitation, acts of God, flood, fire, earthquake, explosion, governmental actions, war, invasion or hostilities, terrorist threats or acts, riot or other civil unrest, national emergency, revolution, insurrection, epidemic, lockouts, strikes or other labor disputes (whether or not relating to either party's workforce), restraints or delays affecting carriers, inability or delay in obtaining supplies of adequate or suitable materials, or telecommunication breakdown, or power outage.

Any delays of subcontractors occasioned by any of the causes specified in the immediate preceding clause.

One (1)
00-01-0006

DYNAMIC SIDE IMPACT & ROLLOVER TESTS

Y__N__

Bidder shall perform Dynamic Side Impact & Rollover Tests with same module that was involved in side impact crash test. This module must be the same brand, make, and model for both tests. Video documentation to be provided to the Purchaser upon request. Crash test shall be performed within a controlled and repeatable environment, validated by a third party testing facility.

One (1)
00-01-0010

KKK CHANGE NOTICE 8 REQUIRED

Y__N__

End User / State is required by law to be KKK-A-1822F Change Notice 8 compliant to meet SAE J3026 - Ambulance Patient Compartment Seating Integrity and Occupant Restraint Standards, and SAE J3027 - Ambulance Litter Integrity, Retention, and Patient Restraint Standards.

One (1)
00-01-0015

To be Grandfathered and not require CN8 compliance, please provide a copy of your pre-existing contract for this customer when you submit your order.

BIDDER KKK-A-1822F CHANGE NOTICE 8 COMPLIANT

Y__N__

Bidder shall be KKK-A-1822F Change Notice 8 compliant to meet SAE J3026 - Ambulance Patient Compartment Seating Integrity and Occupant Restraint Standards, and SAE J3027 - Ambulance Litter Integrity, Retention, and Patient Restraint Standards.

One (1)
00-01-0016

BIDDER KKK-A-1822F CHANGE NOTICE 9 COMPLIANT

Y__N__

Bidder shall be KKK-A-1822F Change Notice 9 compliant to meet SAE J3043 - Ambulance Equipment Mounts; Interior Stowage Accommodations; Equipment Mounting Devices: Installed Oxygen cylinder, cardiac monitor, and fire extinguisher mounting devices shall meet the performance requirements of SAE J3043.

One (1)
00-01-0017

BIDDER KKK-A-1822F CHANGE NOTICE 10 COMPLIANT

Y__N__

Bidder shall be: KKK-A_1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity; SAE J3057- Ambulance Modular Body Evaluation-Quasi-Static Loading for Type I and Type III Modular Ambulance Bodies; SAE J3102- Ambulance Patient Compartment Structural Integrity Test to Support SAE J3027 Compliant Litter Systems; SAE J3043 - Ambulance Equipment Mounts, Interior Stowage Accommodations, Equipment Mounting Devices; Installed suction mounting; to conform to all applicable requirements.

One (1)
00-01-0018

BIDDER KKK-A-1822F CHANGE NOTICE 11 COMPLIANT

Y__N__

10004-0001

05/06/20

Braun Industries, Inc.

Bidder cab console to meet SAE J3043; Ambulance Equipment Mount Device or Systems, to be KKK-A-1822F Change Notice 11 compliant and shall be labeled with its weight capacity.

One (1) BIDDER KKK-A-1822F CHANGE NOTICE 12 COMPLIANT Y__N__
00-01-0019

Revision to the existing standards include Temperature Conditions; Engine High-Idle Speed Control; Ambulance Emergency Lighting; Photometric, Chromaticity, and Physical Requirements; Tests, Warning Light System; Flood and Loading Light (Exterior); Bumpers and Steps; Doors; Equipment Mounting Devices; Oxygen Main Supply and Installation; Ventilation Criteria; Siren – Public Address System; and Test Criteria

One (1) WEIGHT RATINGS SPECIFIED, INTERIOR, LABELS, CN10 COMPLIANT Y__N__
00-01-0021

All interior storage compartments and drawers shall have an affixed label that identifies weight rating specifications for each respective compartment / drawer. Specifications must be adhered to in order to comply with all applicable requirements of KKK-A 1822F Change Notice 10, J3058 storage compartment retention requirements.

One (1) NO PERFORMANCE BOND REQUIRED Y__N__
00-01-0031

No performance bond required on this order.

One (1) NO BID BOND REQUIRED Y__N__
00-01-0041

No Bid Bond Required

One (1) NO REQUIRED DELIVERY DATE Y__N__
00-01-0051

No specific required by delivery date.

One (1) PRECONSTRUCTION MEETING NOT REQUIRED / REQUESTED Y__N__
00-01-0053

The purchaser and / or end user does not wish to request a Pre-Construction meeting with the manufacturer.

One (1) LEAD TIME DEFINED Y__N__
00-01-0062

PLEASE NOTE: Vehicle lead time is established upon date of accepted order and receipt of chassis.

One (1) TYPE I - AMBULANCE - LIBERTY I - 72" INTERIOR HEADROOM Y__N__
00-01-0198

SPECIFICATION INTENT: Type I, 156 inch module, constructed with not less than 72.0 inches interior module height, an overall length of 286.75 inches, an overall width of 98 inches, and an overall height not to exceed 112 inches.

One (1) ** IMPORTANT ** CHASSIS NOTIFICATION Y__N__
09-10-0001

Manufacturer is not responsible nor can control the OEM chassis production build out dates and change of model years. Published model years and pricing are subject to change between data sets and may need to be updated during the quote and / or order process.

One (1) CHASSIS - CHEVROLET 4500HD, 165" WB 4 x 2 Y__N__
10-00-0200

Braun Industries, Inc.

CC56403 2019 CHEVROLET SILVERADO 4500HD REGULAR CAB, 165"WB 4x2 (84" C.A.)

MECHANICAL

- Engine: L5D - Engine, Duramax 6.6L Turbo-Diesel V8
- Transmission: Allison A1750 EVS (MHV)
- Transmission Shift Control Calibration, Performance
- Rear Axle, 4.30 Ratio
- Axle-Limited Slip
- Equipment Emission, Diesel DPF, Manual Regeneration, 50 State
- Alternator, Dual, 150 Amp & 220 Amp
- Batteries, Dual, Heavy-Duty 1300 CCA
- Engine Block Heater
- Rear Wheels, Dual
- Tires, Highway, Continental, Hybrid HS3
- Tires Front 225/70R19.5G HWY, Continental, Hybrid HS3
- Tires, Rear 225/70R19.5G
- Tires, Spare 225/70R19.5G Highway, Continental
- Wheels, 19.5" x 6.75", Steel, Black Painted
- Wheel, 19.5" x 6.75", Spare, Steel, Black

FUNCTIONAL

- Front Stabilizer Bar
- Rear Suspension, 11,000 lb, Multi-Leaf
- Engine Brake-Exhaust
- Electrical Provisions, Rear of Frame
- Front Suspension, 7000 lbs.
- Axle to End of Frame, 63"
- Axle Lubricant, Rear, Synthetic
- Fuel Tank, Rear, 40 Gallon
- Horn, Dual Note
- Auxiliary Wiring
- Recovery Hooks
- Engine Control-Power Take Off (PTO) Controls
- PTO, GVWR 19.5K Max, GCWR 30K

EXTERIOR

- Primary Color: GAZ - Summit White
- Paint, Solid
- Glass, Solar Absorbing, Tinted
- Assist Steps, Aluminum
- Front Fender Extension, Black
- Mirrors, O/S, Wide Load / Trailering, Full Feature
- Handles, Outside Door, Chrome
- Exhaust System, Rear Exit
- Grille Guard Screen, Insect Protection
- Rear Back Up Alarm
- Lamps, Rear, Stop

Braun Industries, Inc.

- Grille-Radiator, Chrome
- Bumper, Front, Chrome
- License Plate Front Mounting Hardware
- Ambulance Package

INTERIOR/COMFORT/CONVENIENCE

- Power Windows
- Power Seat Adjuster (Driver's Side)
- LT Preferred Equipment Group
- Cloth, Jet Black, Interior Trim
- Interior Trim, Jet Black
- Floor Covering, Rubberized Vinyl, Black
- Door Locks, Power
- Keyless Remote Entry
- ISRV Mirror, Electrochromatic Auto Dimming
- Seat Belt, Front, Orange
- Seats: Front 40/20/40 Split-Bench
- Air Conditioning, Manual
- Radio, 8" Color Screen, Bluetooth, w/USB Port
- Driver Information Center, 4.2" Display
- Onstar 4G LTE Wi-Fi Hotspot
- SiriusXM Satellite Radio
- OnStar Communication System
- Speaker System, 6
- Compact Disc & MP3 Player
- Cruise Control-Automatic, Electronic
- 110 Volt Electrical Receptacle, In Cab
- Accessory Electrical Switches

SAFETY/SECURITY

- Tail Lamp Provisions,
- Air Bags, Front, Driver and Right Front Passenger
- Air Bag Deactivation Switch, Front, Passenger-side
- Tool Kit, Rim Wrench and Handle Only

WEIGHT RATINGS

GVW Rating, 16,500 lbs
Front Axle, 7,000 lbs
Rear Axle, 11,000 lbs
GCWR 30,000 lbs

One (1)
20-10-0099

FUEL TANK - FULL UPON FACTORY RELEASE

Y__N__

The chassis fuel tank of the completed unit shall be full at time of release from the ambulance manufacturer's facility.

One (1)
20-10-0103 70

SUSPENSION - LIQUID SPRING

Y__N__

A **CLASS®**, or **Compressible Liquid Adaptive Suspension System**, shall be provided and installed. Utilizing a strut, with a compressible fluid as the spring/damping medium, and its

Braun Industries, Inc.

sophisticated on-board microprocessor, **CLASS®** adapts the entire vehicle's response to road variations and the driver. Unlike current steel and air sprung suspension systems, **CLASS®** can automatically and instantaneously change the spring stiffness and damping at each wheel over a very broad range with minimal power consumption while the vehicle is being driven and without driver intervention. The system shall include an automatic lowering feature, which is activated by opening the rear patient compartment doors. There shall be a switch near the rear doors which will defeat the lowering feature.

One (1) BATTERY - TWO SYSTEM - HD SERIES CHASSIS Y__N__
20-10-0210

The vehicle shall have a 12 V two (2) battery system rated at 1300 cold cranking amps. Both batteries shall be securely installed in the OEM locations, under the driver's side step area.

One (1) ENGINE BLOCK HEATER - OEM PLUG Y__N__
20-10-0603

An engine block heater shall be included in the chassis with the 125 VAC power cord, located under the hood.

One (1) FLOOR CONSOLE - ANGLED FACE REMOVABLE PLATES - ALUMINUM Y__N__
20-20-0139

A center floor console manufactured out of aluminum and covered in a black onyx scratch resistant, multi-use polychromatic coating with a clear epoxy finish shall be installed in the cab. The console shall include an angled face to accommodate the Weldon Vista display. The lower portion of the console shall consist of a flat area that shall contain the siren, two (2) drink holders, and then to the rear center a recessed storage area for maps and reports. The console face plates shall be removable for accessibility and serviceability. The Console System is to be SAE J3043 Ambulance Equipment Mount Device or Systems compliant and shall be labeled with its weighted capacity.

One (1) HEAT SHIELDS, PROTECTIVE Y__N__
20-20-0255

Aluminized steel protective heat shields shall be installed to the upper laterals above the exhaust system to help protect the module from the chassis exhaust system heat. This shall meet OEM guidelines for heat shields.

One (1) HIGH IDLE SYSTEM, AUTOMATIC Y__N__
20-20-0277

An aftermarket auto high-idle system shall be provided on the chassis. The high-idle shall be programmed to activate when the transmission is placed in the park position and the parking brake is activated. The system will automatically go to high idle, but will adjust itself as needed for higher or lower idle. If the module heat or a/c is activated the high idle will be over ridden to 1500 rpm.

One (1) MIRRORS, EXTERIOR OEM MANUAL TELESCOPING W/REMOTE & HEAT Y__N__
20-30-0202

The chassis shall have OEM telescopic trailer tow mirrors with power adjustable flat heated glass and manual adjustable convex glass.

One (1) STEPS, ASSIST OEM ALUMINUM Y__N__
20-30-0807

OEM aluminum assist steps (running boards) shall be provided on the cab (Chassis option E0N). Step design includes location for OEM batteries at driver's side.

One (1) WHEEL SIMULATORS, STAINLESS STEEL WITH VALVE STEM EXTENSIONS Y__N__
20-40-0206

Stainless steel full wheel simulators shall be provided for the front and the outside rear wheels. Air Max valve extensions shall be provided to properly inflate the inner dual rear tires.

One (1) ELECTRICAL SYSTEM - WELDON V-MUX, MICRO PROCESSOR BASED Y__N__

Braun Industries, Inc.

30-06-0004

A Weldon V-MUX 100% solid state microprocessor based multiplex system shall be installed to control the electrical functions. The system shall include load management, load shedding, power modulation, load sequencing capabilities and provide on-board diagnostics with real-time status reporting. The system shall consist of one (1) color control console (Vista) in the cab, one (1) color control console (Vista) in the patient compartment, a total of three (3) control nodes: two (2) High Content nodes and one (1) 8 X 16 node, and a module warning display with video input and monitoring capabilities.

The system must be a Weldon V-MUX. **No exception.**

Bidders who propose any other proprietary electrical system shall be considered as non-compliant.

Documentation required with bid submission

Bidder must supply with his/her bid proposal, a listing of not less than 500 ambulances produced with the Weldon V-MUX system within the past 5 years. The documentation shall include a production order number, the purchaser's agency name, and the date the ambulance was delivered.

Bids submitted without this documentation shall not be considered.

One (1)
30-06-0010

VISTA IV MCC - PUSH BUTTON

Y__N__

A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the cab. The Vista module shall be operated through the use of push buttons.

One (1)
30-06-0015

VISTA IV ACP - PUSH BUTTON

Y__N__

A Weldon V-MUX Vista IV interface module / display screen shall be provided and mounted on an angled flip - down panel with chrome lever latches, in the patient compartment ACP area. The Vista module shall be operated through the use of push buttons. A temperature sensor shall be mounted to the bottom of the ACP panel.

One (1)
30-06-0026

WARNING DISPLAY - MULTIPLEX ELECTRICAL SYSTEM

Y__N__

A digital warning display shall be integrated into the cab display console and programmed through the multiplex system to provide visual and audible indications for:

Parking brake set condition

Parking brake release condition

Patient status alarm (four color with reset capability)

Individual outside storage compartment "door open" warnings in vehicle outline form.

Low voltage alarm

Low oxygen pressure alarm

One (1)
30-06-0050

DAYTIME RUNNING LAMPS - MULTIPLEX ELECTRICAL SYSTEM

Y__N__

Headlights shall be activated at 30% intensity, for day time operation, when transmission is placed in drive, as a feature of the multiplex system. (if not standard on the chassis)

10004-0001

05/06/20

Braun Industries, Inc.

One (1) 30-06-0076	<p>MASTER CONTROL CONSOLE (MCC) - MULTIPLEX ELECTRICAL SYSTEM</p> <p>A floor mounted Master Control Console (MCC) shall be located in the cab. The console shall house the siren and the color microprocessor display screen, which will control all the Emergency Warning functions as well as also being able to control the Patient Compartment lighting and module heat/ac functions.</p>	Y__N__
One (1) 30-06-0101	<p>ATTENDANT CONTROL PANEL (ACP) - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The Attendant Control Panel (ACP) shall contain a color micro processor screen, which will control all equipment installed in the patient compartment.</p>	Y__N__
One (1) 30-06-0126	<p>ELECTRICAL COMPARTMENT (PDQ) - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e. power distribution nodes, circuit breakers, etc). The electrical compartment shall have a hinged door with (2) two chrome locking lever latches and be shall located on the partition wall behind the attendant seat.</p>	Y__N__
One (1) 30-06-0150	<p>SPARE CIRCUIT - MULTIPLEX ELECTRICAL SYSTEM</p> <p>One (1) spare 15 amp circuit shall be provided.</p>	Y__N__
One (1) 30-06-0175	<p>WIRING HARNESS CONNECTORS - MULTIPLEX ELECTRICAL SYSTEM</p> <p>All wiring harnesses shall be connected via quick connect circular plug connectors.</p>	Y__N__
One (1) 30-06-0201	<p>RADIO TIE-IN POINT - (1) 12V/40 AMP - CAB CONSOLE AREA</p> <p>One (1) set of 12 volt/40 amp radio tie-in points shall be installed in the cab console area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.</p>	Y__N__
One (1) 30-06-0202	<p>RADIO TIE-IN POINT - (1) 12V/40 AMP - PATIENT COMPARTMENT</p> <p>One (1) set of 12 volt/40 amp radio tie-in points shall be installed in the patient compartment attendant control panel area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.</p>	Y__N__
One (1) 30-06-0203	<p>RADIO TIE-IN POINT - (1) 12V/40 AMP - PDQ</p> <p>One (1) set of 12 volt/40 amp radio tie-in points shall be installed and mounted in the PDQ of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" 250 amp junction stud.</p>	Y__N__
One (1) 30-06-0225	<p>EMERGENCY MASTER SWITCH - MULTIPLEX ELECTRICAL SYSTEM</p> <p>A single emergency master switch shall be supplied for activating all the emergency warning lights and shall be provided on the master control console screen. The emergency master switch will activate the module power automatically. There shall also be an Emergency Master Menu button which shall allow access to individual warning light functions.</p>	Y__N__
One (1) 30-06-0250	<p>CONTROL PANEL SWITCHES - MULTIPLEX ELECTRICAL SYSTEM</p> <p>The switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting for easy identification.</p>	Y__N__
One (1) 30-06-0275	<p>MODULE POWER SWITCH - MULTIPLEX ELECTRICAL SYSTEM</p> <p>A module power switch for the electrical system shall be provided on both the master control console and the Attendant Control Panel screens.</p>	Y__N__

Braun Industries, Inc.

One (1) 30-06-0285	MODULE DISCONNECT - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
	An In-Power 15 minute, nonadjustable disconnect shall be installed to keep the module power switch engaged, after the ignition is switched to the "off" position. This disconnect can also be activated from the side and rear doorways to turn on the check-out lights.	
One (1) 30-06-0300	VOLTMETER - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
	One (1) digital voltmeter shall be provided on the master control console screen.	
One (1) 30-06-0325	FLASHER - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
	The flasher shall be provided within and programmed by the multiplex electrical system.	
One (1) 30-06-0356	FLASHING HEADLIGHTS - MULTIPLEX ELECTRICAL SYSTEM, HD SERIES CHASSIS	Y__N__
	The headlights (high beams) shall be programmed through the multiplex system to alternate flash (wig-wag), activated by a button on the master control console screen labeled "Flashing Headlights", with the ignition on and emergency master button enabled. The flashing headlights are to be disabled when the high beams are activated. They are also disabled when the transmission is placed in the neutral/park position. The flashing headlights shall have the capability to be reactivated with the "park override" button in the "on" position if the high beams are off.	
One (1) 30-06-0375	<i>PARK OVERRIDE - MULTIPLEX ELECTRICAL SYSTEM</i>	Y__N__
	A park override switch, located on the master control console screen, shall reactivate all lights disabled when the transmission is placed in the neutral/park position.	
One (1) 30-06-0400	LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM - MULTIPLEX ELECTRIC SYSTEM	Y__N__
	The load manager-sequential switching system shall be controlled by the microprocessor based electrical system. The emergency master button shall control the sequential switching of the emergency lights and/or other warning devices. The load manager shall automatically shed not-critical electrical loads during low voltage conditions to help prevent electrical system overload when the vehicle is stationary and the transmission is in the park position.	
One (1) 30-06-0410	WARNING LIGHTS FLASH PATTERN SIGNAL ALERT 75 - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
	The default flash pattern for the warning lights shall be Signal Alert 75. These warning lights will be operated from a single button labeled "flashers" via the Multiplex System on the master control console.	
One (1) 30-06-0450	FRONT CLEAR DISABLE SWITCH - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
	Activation of the switch on the master control console screen shall disable all forward facing clear warning lights.	
One (1) 30-06-0475	CURBSIDE SCENE LIGHTS "ON" WITH CURBSIDE DOOR - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
	The curbside scene lights shall be programmed to activate when the curbside door is in the open position.	
One (1) 30-06-0500	REAR SCENE LIGHTS "ON" WITH REAR DOORS OPEN - MULTIPLEX ELECTRICAL SYSTEM	Y__N__

Braun Industries, Inc.

One (1) 30-06-0525	The rear scene lights shall be programmed to activate when the rear doors are in the open position. DISABLE SWITCH FOR REAR SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
One (1) 30-06-0550	A disable switch shall be installed at the rear door area to disable the rear scene lights. DISABLE SWITCH FOR SIDE SCENE LIGHTS - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
One (1) 30-06-0575	A disable switch shall be installed at the curbside door area to disable the curbside scene lights. REVERSE (TRANSMISSION) FUNCTIONS - MULTIPLEX ELECTRICAL SYSTEM	Y__N__
One (1) 30-10-0030	The system shall be programmed to provide activation for the rear outboard warning lights, the rear side warning lights, the rear scene lights, and the rear side scene lights, when the transmission selector lever is placed into "reverse" position. BACKUP ALARM	Y__N__
One (1) 30-10-0050	An (OSHA approved) back up alarm shall be installed with a disable control for silent backing. The disable control shall be located on the MCC (master control console). The back up alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse. BATTERY CONVERTER / CHARGER	Y__N__
One (1) 30-10-0110	A Progressive Dynamics #PD9245C, 45 amp, 125 VAC to 13.6 VDC converter shall be connected to the shoreline inlet and be capable of maintaining the batteries when plugged in. ELECTRICAL CIRCUITS All electrical circuits shall have wiring and circuit protection suitable to the demand and must meet the national electric code (NEC) wiring requirements.	Y__N__
One (1) 30-10-0190	All added on wiring (18 GA through 10 GA) shall be color coded and stamped with code numbers and functions every 4" for easy identification (all other wiring shall be color coded). SLX high temperature thermoplastic cross link wire shall be used. SGX insulated cable shall be used for all under hood / underbody battery and charging system cable. High temperature (375° f) thermoplastic loom shall be used on all harnesses. GROUND FAULT CIRCUIT INTERRUPTER (GFCI)	Y__N__
One (1) 30-10-0413	A 125 VAC, 20 AMP circuit breaker with ground fault circuit interrupter (GFCI) electronic ground leakage detection shall be installed in the load center for the shoreline circuit. LIGHTS, OSS COMPARTMENTS - INCANDESCENT	Y__N__
One (1) 30-10-0527	The outside storage compartments shall be equipped with Truck-Lite brand incandescent lights, activated by magnetic switches. (compartments #1, #2, #4, each contain two (2) clear 4" round lights, compartment #3 shall contain one (1) clear 4" round light, and compartment #5 shall contain two (2) clear 2-1/2" round lights) OUTLETS, 125VAC - THREE (3) INTERIOR DUPLEX	Y__N__

Braun Industries, Inc.

Three (3), 2-wire +plus ground 125 VAC hospital-grade duplex outlets shall be installed in the patient compartment with wiring connected to the shoreline. Two (2) outlets shall be installed in the street side wall, one (1) forward and one (1) rearward, to supply 125 VAC to the monitoring equipment. The third outlet shall be installed in the mid front wall cabinet. An indicator lamp shall be located within each 125 VAC outlet as a line monitor to indicate a live circuit. The outlets shall be labeled, "125 VAC".

One (1)
30-10-0543

OUTLETS, 12VDC - TWO (2) INTERIOR POWERPOINT

Y__N__

Two (2) 12 VDC power point outlets shall be installed in the patient compartment, one (1) in the front wall equipment area, and one (1) in the attendant control panel area in the street side cabinet. The outlets shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlets.

One (1)
30-10-0574

USB - DUAL PORT OUTLETS, TWO (2)

Y__N__

Two (2) dual USB port outlets, 5 volt / 2.1 amp, shall be installed in the vehicle. One (1) outlet shall be located on the streetside main action area in the patient compartment. One (1) shall be located on the Master Control Console in the cab. The outlets shall have power and ground for charging equipment, such as cell phones, iPad, etc.

One (1)
30-10-0657

RADIO ANTENNA BASES - TWO (2)

Y__N__

Two (2) antenna bases with attached coax cables shall be installed on the module roof. The coax cables shall terminate in the PDQ. Access to the antenna bases shall be through adjacent module interior dome lights.

One (1)
30-10-0721

RECEPTACLE SHORELINE INLET-20 AMP, NON-AUTO EJECT

Y__N__

A 125 VAC 20 amp non-auto eject shoreline inlet receptacle shall be installed. The receptacle cover shall be gray. A mating connector shall be shipped loose. The shoreline inlet receptacle shall be located on the forward left exterior near the driver's door, and shall be connected to the lighted patient compartment 125 VAC outlet.

One (1)
30-10-0753

SIREN, WHELEN 295-HFSA7-REMOTE WITH MICROPHONE

Y__N__

A Whelen 295-HFSA7 remote dual siren amplifier shall be flush-mounted in the master control console located in the cab. The siren shall be capable of hands-free operation and shall be equipped with a noise canceling microphone. Some features of this siren include:

DUAL 200 WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER

- Six function siren plus radio repeat and public address.
- Operates two 100-watt speakers.
- Operates in dual (outputs 2 independent siren tones creating rich harmonic dual tone sound) or mono sound modes.
 - External dip switch programmable siren tones.
 - PTT (push to talk) switch on microphone overrides all siren functions.
- Removable unidirectional microphone with adjustable microphone volume & adjustable preset radio repeat volume.
 - SI TEST®, silent diagnostic test.
 - Quick disconnect plug for ease of service or replacement.

12 Siren Tones

- Air horn • Wail • Yelp • Piercer • Manual Coast to Stop
- Manual • Mechanical Coast to Stop • Hi/Low • Yelp 249
- Warble • Whoop • Mechanical Tone

Braun Industries, Inc.

One (1) 30-10-0816	SIREN SPEAKERS, CAST PRODUCTS SA3819/3820 - THROUGH THE BUMPER Cast Products dual 100 watt siren speakers shall be installed through the front bumper.	Y__N__
One (1) 30-10-0901	SYSTEM ACTIVE AND CHECK OUT LIGHTS - 15 MINUTES A switch shall be located at the curb and rear entry doors that will allow activation of the V-MUX electrical system. There shall also be a check out light switch located at the curb and rear doors that will allow activation of the left LED angled lights prior to entering the module. The system shall be programmed to shut down automatically after 15 minutes unless the ignition is on. This shutdown delay shall be user adjustable.	Y__N__
One (1) 30-11-0106	LIGHTS, DOME SUPER LED (8) WHELEN Eight (8) Super LED dome lights, Whelen #80C0EHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The dome lights shall be illuminated at 50% power whenever the patient compartment side or rear doors are opened.	Y__N__
One (1) 30-11-0152	LIGHTS, LED PANEL (3) STREETSIDE - ANGLED Three (3) LED lights shall be mounted on the angled panel above the streetside interior cabinets. These lights shall be three way switched from the attendant control panel and the master control console.	Y__N__
One (1) 30-11-0176	LIGHTS, LED PANEL (2) CURBSIDE - ANGLED Two (2) LED lights shall be mounted on an angled panel located above the curbside seating area. These lights shall be three way switched from the attendant control panel and the master control console.	Y__N__
One (1) 30-25-0122	LIGHTS, ICC / LED CLEARANCE - ON MODULE FRONT - TECNIQ The vehicle shall have five (5) amber Tecniq LED (S330) clearance / ICC lights on the front of the module near the roof line.	Y__N__
One (1) 30-25-0123	LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR - TECNIQ The vehicle shall have five (5) red TECNIQ LED (S330) clearance / ICC lights on the rear of the module near the roof line.	Y__N__
One (1) 30-25-3110	LIGHTS, FRONT GRILLE - (2) WHELEN 500 SUPER LED - RED W/CLEAR LENS Two (2) Whelen 500 series red super LED warning lights, with clear lens and waterproof connectors shall be installed in the grille area of the chassis. The lights shall operate from a switch on the master control console labeled "Flashers".	Y__N__
One (1) 30-25-4252 10	LIGHTS, FRONT MODULE - WHELEN (5)900 - (4)RED, (1)CLEAR LED W/CLEAR LENS Five (5) Whelen 900 series super LED warning lights with chrome bezels shall be installed on the module front. There shall be four (4) red with clear lens and one (1) center clear light. The lights shall operate from the master control console; labeled "Flashers".	Y__N__
One (1) 30-26-3012	LIGHTS, REAR TAIL - WHELEN 600 LED STOP, TURN, & MINIMUM INTENSITY BACK-UP	Y__N__

Braun Industries, Inc.

One (1) 30-26-6155 30	One (1) pair each of Whelen 600 series LED stop/tail lights, turn lights, and minimum intensity back-up lights with chrome bezels shall be installed on the rear of the module. LIGHTS LED, REAR MODULE -WHELEN (5)900: (2)RED, (1)AMB , (2)SCN CLR LENS	Y__N__
One (1) 30-26-7002	Two (2) Whelen 900 series red super LED warning lights with clear lens, two (2) Whelen 900 series 24 diode LED scene/load lights, and one (1) Whelen 900 series amber super LED warning light with clear lens shall be installed on the rear of the module. The lights shall be installed with chrome flanges and shall be operated from switches on the master control console labeled "Flashers" and "Rear Scene Lights". LIGHT, LICENSE PLATE LED	Y__N__
One (1) 30-27-1102	One (1) Whelen OACOEDCR LED license plate light with 45 deg angled chrome-plated bezel shall be installed on the rear of the module, lower left side. LIGHTS, ICC / LED CLEARANCE - ON MODULE SIDE - TECNIQ	Y__N__
One (1) 30-27-1114	The vehicle shall have two (2) Tecniq (S330) red mini LED marker lights: one (1) red on each side at the rear of the vehicle which will also flash with turn signal. LIGHTS, INTERSECTION FRONT - WHELEN 700 SUPER LED - RED W/CLR LENS	Y__N__
One (1) 30-27-2008	Two (2) Whelen 700 series red super LED warning lights, with clear lens and water-proof connectors shall be mounted, in 15 degree tilt housings on the front chassis fenders, one (1) on each side. The lights shall operate from a switch on the master control console labeled "Flashers". NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on. LIGHTS, SIDE MODULE SCENE - WHELEN 900 24 DIODE LED - CLEAR	Y__N__
One (1) 30-27-3008	Four (4) Whelen 900 series 24 Diode LED scene lights with chrome flanges shall be installed, two (2) each module side. Streetside shall have one (1) scene light inboard of the module rear warning light, and one (1) scene light inboard of the module front warning light. Curbside shall have one (1) scene light inboard of the module rear warning light, and one (1) scene light below front warning light. These lights shall operate from switches on the master control console labeled "Left Scene Light" and "Right Scene Light". LIGHTS, SIDE MODULE WARNING - WHELEN 900 SUPER LED - RED W/CLR LENS	Y__N__
One (1) 30-27-4115	Four (4) Whelen 900 series red super LED warning lights with clear lenses and chrome flanges shall be installed, two (2) each module side. Streetside shall have one (1) warning light outboard of the side module rear scene light, and one (1) warning light outboard of the module front scene light. Curbside shall have one (1) warning light outboard of the side module rear scene light, and one (1) warning light above module front scene light; curbside forward stacked. These lights shall operate from a switch on the master control console labeled "Flashers". LIGHTS, INTERSECTION REAR - WHELEN 700 SUPER LED - RED W/CLR LENS	Y__N__
	Two (2) Whelen 700 series red super LED warning lights with clear lenses, chrome flanges and water-proof connectors, shall be installed above the rear wheel wells, one (1)	

Braun Industries, Inc.

on each side. These lights shall operate from the master control console, labeled "Flashers", via the MasterTech Electrical System. NOTE: When vehicle is placed in park, the override control must be on for intersection light(s) to remain on.

One (1)
39-00-0001

MODULE BODY CONSTRUCTION - SEAMLESS

Y__N__

The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock, using CNC machines capable of .0004" repeatability. This is the only alloy that may be used for body parts that are welded together.

The roll-cage type interior super-structure, aluminum partition and module shall all be welded together into a single unit to give optimum strength for patient and attendant protection. The module roof shall be designed with a minimum 1.5" crown to facilitate water run off.

The floor, roof, sides, and all exterior doors shall be fabricated from .125" (minimum) thick flat aluminum sheet stock. The exterior joints between the roof and side components shall be continuous full seam welded the entire length of the module. All exterior body panel joints shall be continuous full seam welded.

No VHB bonding tape or other adhesives shall be used in the construction of the ambulance module.

One (1)
39-00-0002

SOLE SOURCE MODULE BODY CONSTRUCTION

Y__N__

It is required that the manufacturer of this vehicle have the ability to manufacture a completed ambulance, with the exception of the chassis, within their own manufacturing facility. The modular body must be built in the manufacturer's facility and shall not be the product of a subcontractor or any company other than the manufacturer.

One (1)
39-00-0005

AWS ALUMINUM CERTIFIED WELDERS

Y__N__

AWS Aluminum Certified Welders shall construct the module.

AWS certificates shall be required to be part of the completed bid packet. Bids without AWS certificates shall be considered non-compliant (no Exception).

One (1)
40-00-0009

ALUMINUM PARTS - MODULE EXTERIOR

Y__N__

All unpainted exterior aluminum parts shall be bright dip anodized after fabrication to retain the finish and increase corrosion resistance.

One (1)
40-00-0010

CORROSION MINIMIZATION - MODULE

Y__N__

All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to prevent fastener contact with the module body, nylon hinge strips, ceramic coated stainless steel hinge bolts, and ECK brand corrosion inhibitor spray.

One (1)
40-00-0019

DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - DIAMOND PLATE INTERIOR SKINS

Y__N__

The interior door skins for all outside storage compartments shall be constructed of .063" thick aluminum diamond plate.

One (1)
40-00-0020

DOOR CONSTRUCTION - GASKET PLACEMENT

Y__N__

10004-0001

05/06/20

Braun Industries, Inc.

All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from .125" thick 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of .190" thick aluminum and welded to the pan.

Door gaskets shall be attached to the interior side of the door skin. Gaskets attached to interior door frames are not satisfactory and shall not be accepted.

One (1)
40-00-0030

EXTERIOR COMPARTMENTS DESIGN

Y__N__

All exterior compartments shall include these features:

- Sound absorbing slip resistant polyurethane material shall be sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts.
- Baffled seep holes shall be provided to prevent water from splashing or seeping into the exterior compartments.
- Full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with 3/16" stainless steel hinge pins.
- Compartment doors shall be installed, flush with the module body.
- When double doors are provided, each door shall have an exterior handle, but only the forward door shall be lockable. (rearward door is secured when forward door is locked). All exterior compartments and passage doors shall be keyed alike.
- Lockable, Eberhard "free-floating" type chrome plated handles with rotary locks. A gasket shall be installed under each handle to protect the paint.
- Drip rails shall be installed above all exterior compartment doors.

One (1)
40-00-0050

EXTERIOR COMPARTMENTS, VENTING

Y__N__

A minimum of nine (9) square inches of venting shall be provided inside the #1, #2, #3, & #4 exterior storage compartments to provide for easier closure of the compartment doors.

One (1)
40-00-0055

EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE

Y__N__

A minimum of nine (9) square inches of venting shall be provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.

One (1)
40-00-0060

EXTERIOR COMPARTMENTS - SWEEP-OUT

Y__N__

Exterior module compartments shall be of a sweep-out design to aid in facilitation of the purchaser's routine care and cleaning of the vehicle.

All exterior compartment floors, with the exception of the front ALS compartment shall be constructed to be flush with the bottom door frame.

One (1)
40-00-0070

HANDLES, EBERHARD - CHROME FREE FLOATING TYPE

Y__N__

Eberhard #EMC-1-2110 chrome "free-floating" handles shall be installed on each exterior module door. The handles shall be large enough to accommodate a gloved hand.

One (1)
40-00-0080

INSULATION - POLYURETHANE SPRAY FOAM

Y__N__

10004-0001

05/06/20

Braun Industries, Inc.

The walls, ceiling, passage doors, outside storage doors, the entire underside of the module floor (except for mounting pads), the underside of the outside storage compartments, the wheel wells, and the underside of the curbside step area shall be completely foam - in - place insulated with nominal 3/4" thick sprayed on Class I, urethane foam for thermal and acoustical insulation. The insulation shall comply with FMVSS #302 flame spread requirements. The underside of the body shall be properly prepared to ensure adhesion before the spray insulation is applied.

One (1)
40-00-0091

THRESHOLD, STAINLESS STEEL - ALL OSS STORAGE COMPARTMENTS

Y__N__

Each exterior storage compartment with a hinged door shall have a stainless steel lower threshold at the door opening to protect the paint as equipment is installed and removed from the compartment.

One (1)
40-10-0066

DOOR SLIDING, E-Z GLIDE - MODULE CURBSIDE PASSAGE

Y__N__

The module body shall include an E-Z Glide sliding side entry door to access the curbside of the patient compartment. The door shall slide out and towards the rear of the module body. The door design must meet FMVSS 206 for sliding doors and shall have been cycle tested in excess of 100,000 cycles. The door shall not extend out more than 5 1/4" from the module when in the open position and shall be flush in the closed position. The door shall operate on a total of nine (9) casters and three (3) tracks for ease of operation. The door shall be held closed with two (2) rotary latches and two (2) locking tabs. The door must have a system to prevent the door from self closing, when unit is parked on an incline. A measured force of ten (10) pounds maximum shall be required to release the door from the open to closed position. A chrome locking handle shall be installed on the exterior of the door. The door shall be lockable from the inside and outside and shall shut on molded air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. A drip rail shall be installed above the door.

Documentation required:

The bidder must submit with this bid proposal a listing of not less than 200 ambulances produced with curbside sliding doors in the past four years. The listing is to include a production order number, the purchaser's agency name, and date the ambulance equipped with the curbside sliding door was delivered.

One (1)
40-10-0074

Failure to provide the required documentation shall be considered as non-responsive.
LOWERED MODULE CURB SIDE

Y__N__

Module curb side to be as low as possible and still comply with KKK-1822-F ramp break over angle. Lowered side will allow easier entry into the module as well as increased compartment storage.

One (1)
40-10-0088

DOORS - REAR PASSAGE

Y__N__

There shall be a 47.50" wide x 59" high rear door opening in the patient compartment. The doors shall be flush without a protruding flange or lip. The right rear passage door shall have a lockable, chrome exterior handle. The left rear door shall have a non-locking, chrome exterior handle. All handles shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with a 3/16" stainless steel hinge pin and shall be two-way adjustable. Each rear door shall have a two point slam action automotive type rotary latching system to the body.

The right rear door shall lock to the body at the top and bottom, not to the left rear door. The doors shall have .213" steel door latch activator rods with clevis adjusters. The doors

Braun Industries, Inc.

One (1) 40-10-0103	shall be lockable from the inside and outside. All doors shall shut on molded, air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. FENDERETTES - POLISHED ALUMINUM	Y__N__
One (1) 40-10-0120 10	Polished aluminum fenderettes shall be installed around the rear wheel well openings. HOLD-OPEN - REAR DOORS - GRABBERS	Y__N__
One (1) 40-10-0130	Door grabbers (1 pair) with hard rubber inserts shall be installed on the rear doors, permitting a door hold open position of 180 degrees. EMERGENCY RELEASE LEVER, REAR PATIENT PASSAGE DOORS	Y__N__
One (1) 40-10-0155	An emergency release lever shall be attached to each rear passage door latch and be free-floating from the interior door linkages. The levers shall provide a means of actuating the latches from the patient compartment without the use of the interior door handles. * * NO SWITCH UNLOCK, WATERPROOF - HIDDEN IN FRONT GRILLE AREA * *	Y__N__
One (1) 40-10-0190	LOCKS, MANUAL (NO POWER DOOR LOCKS)	Y__N__
One (1) 40-10-0204	The module passage and compartment doors shall have manual locking devices installed. All module doors shall be keyed alike. MUD FLAPS, REAR - BLACK RUBBER FIBERGLASS REINFORCED - THREE COLOR	Y__N__
One (1) 40-10-0266	Black rubber, fiberglass reinforced mud flaps with a minimum 1/4" thickness shall be bolted to the underside of the module behind the rear wheels. The width and length of the flaps shall provide adequate coverage of the rear dual wheels of the chassis. The mud flaps shall be three color with the bidder's logo. REAR STEP/BUMPER -FLIP-UP CENTER SECTION - STAR PUNCHED AND ANODIZED	Y__N__
One (1) 40-10-0280	The rear bumper shall be affixed to the chassis frame. The bumper shall be constructed with a hinged center section. Two (2) steel braces shall secure the step to the chassis frame. The outer 17" on each end of the bumper shall be constructed from heavy gauge stamped polished stainless steel bumper parts and shall provide smooth rounded corners. The step shall be constructed of star punched .125" thick aluminum diamond plate. Two (2) rear LED step illumination lights shall be provided. All diamond plate surfaces shall be bright dip anodized. Rear step installation shall comply with AMD standard 018. A strip of black PVC shall be installed on the face of the step to protect the patient cots during loading. RUB RAILS, ANODIZED ALUMINUM	Y__N__
One (1) 40-10-0320	Bright dip anodized polished aluminum rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset 3/16" from the body to facilitate wash down of road debris. STEPWELL, CURBSIDE DOORWAY	Y__N__
One (1) 40-10-0340	An aluminum diamond plate step well liner shall be installed in the curbside doorway step area. STONE GUARDS, MODULE FRONT - ANODIZED DIAMOND PLATE	Y__N__

Braun Industries, Inc.

One (1) 40-10-0360	Bright dip anodized aluminum diamond plate stone guards shall be installed on the module front, one (1) each side. KICKPLATE/THRESHOLD, REAR DOORWAY - ANODIZED DIAMOND PLATE	Y__N__
One (1) 40-10-0381	A bright dip anodized aluminum diamond plate kick plate shall be installed at the rear exterior doorway, providing a kick / scuff plate at the rear of the vehicle above the rear step. TOW HOOKS, MODULE REAR	Y__N__
One (1) 40-10-0505	Two (2) tow hooks shall be provided in the rear step area and shall be securely fastened to the vehicle frame. WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED)	Y__N__
One (1) 41-01-0515	The curbside passage door shall have a 16" x 23" openable (<i>sliding</i>) window with removable screen. Each rear passage door shall have a 19" x 18" non-openable window. The distance between the rear window glass shall not exceed 6" to assure maximum vision to the rear. The windows shall have a 69% dark tint and shall be secured with black oxide coated fasteners. No warning lights shall be blocked from view when the curbside or rear doors are open. OUTSIDE STORAGE #1 - STREETSIDE FORWARD - OXYGEN & BACKBOARDS	Y__N__
One (1) 42-01-0505	# 1 (forward street side compartment) shall have a 71.75" high x 18.50" wide clear door opening with 81.50" high x 21.50" wide x 21.75" deep interior dimensions. This compartment provides storage for one (1) "M" or "H" oxygen cylinder and storage for backboards. A spring loaded hinged acrylic door shall be provided to allow access from inside the patient compartment to the oxygen cylinder valve. A 9-square inch vent shall be provided in the oxygen storage compartment to permit leaking gas to dissipate to the exterior of the vehicle. The oxygen cylinder shall be secured with a minimum of four (4) restraining devices, meeting AMD standard 028 and SAE J3043. A cylinder changing wrench shall be provided and secured inside the oxygen cylinder compartment. The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door. The oxygen cylinder shall be provided by the purchaser. OUTSIDE STORAGE #2 - STREETSIDE CENTER	Y__N__
One (1) 42-02-0054	#2 (street side center compartment) shall have a 42.25" high x 19.00" wide clear door opening with 45.25" high x 25.50" wide x 21.75" deep interior dimensions. One (1) fusee holder shall be installed on the inner door skin of the compartment door. The compartment door shall be held open with one (1) spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door. SHELF TRACK - EXPOSED - OSS #2	Y__N__
One (1) 42-02-0107	Unistrut 1-1/4" x 3/4", 19 gauge "T" grooved track channel shall be installed in outside storage compartment #2. Exposed tracks will be welded in place and coated with Gatorhyde material for a cleaner look and no exposed fasteners. SHELF ONE (1) IN OSS #2	Y__N__
One (1) 43-01-0501	One (1) adjustable shelf with sprayed on polyurethane material shall be provided and installed in outside storage compartment #2. OUTSIDE STORAGE #3 - STREETSIDE REAR	Y__N__

Braun Industries, Inc.

One (1) 44-01-0505	<p>#3 (street side rear compartment) shall have a 42.25" high x 33.25" wide clear door opening with 45.25" high x 36.75" wide x 21.75" deep interior dimensions. The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.</p> <p>OUTSIDE STORAGE #4 - CURBSIDE REAR - BACKBOARD/SCOOP,</p>	Y__N__
One (1) 45-01-0505	<p>#4 (rear curbside compartment) shall have a 71.75" high x 17.75" wide clear opening with 81.50" high x 21.50" wide x 21.50" deep interior dimensions. The compartment shall provide vertical storage for a scoop stretcher, and backboards, and shall contain a strap. The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.</p> <p>OUTSIDE STORAGE #5 - CURBSIDE FORWARD</p>	Y__N__
One (1) 50-00-0202	<p>#5 (forward curbside compartment) shall have a 67.25" high x 13.50" wide clear door opening. The compartment shall be split into two (2) compartments. #5 provides inside/outside storage and shall have and shall have three (3) adjustable shelves. (Reference the lower front wall cabinet in patient compartment specification for interior dimensions). #5B dimensions, reference exterior model drawing #4.</p> <p>The compartment door shall be held open with a spring loaded gas cylinder. A locking handle shall be installed on the exterior of the door.</p> <p>ROUNDED INTERIOR CORNERS</p>	Y__N__
One (1) 50-01-0408	<p>Interior vertical edges shall have rounded corners in the following locations: forward and aft edges of the CPR seat, the wall at the aft end of the squad bench, the partition opening cabinet edges and the upper front wall cabinet.</p> <p>LATCHES, CABINET, CN10 COMPLIANT AS APPLICABLE</p>	Y__N__
One (1) 50-10-0124	<p>The ACP (attendant control panel) door, the PDQ (power distribution quarters) door, and the radio cabinet door shall be secured with chrome locking lever latches; all remaining interior hinged cabinet doors shall be secured with with center squeeze latches. All interior drawers shall be secured with locking flush pull latches. Cabinet(s) shall be KKK-A-1822F Change Notice 10 compliant and conform to all applicable SAE J3058 requirements.</p> <p>CABINET - LEFT WALL, UPPER REAR #1 - FIXED FRAME</p>	Y__N__
One (1) 50-10-0213	<p>The left wall, upper rear interior cabinet (#1) shall have a door opening of 12.75"h x 35.25"w with inside dimensions of 14.25"h x 36.75"w x 18.25"d. The cabinet shall be enclosed by one (1) set of sliding polycarbonate doors with full length handles, with the outer most sliding door to have handles on both ends. The cabinet shall be equipped with one (1) adjustable shelf.</p> <p>CABINET - LEFT WALL, UPPER OVER PANEL #2 - FIXED FRAME</p>	Y__N__
One (1) 50-10-0229	<p>The left wall, interior upper cabinet (#2), above the attendant control panel shall have a door opening of 7.50"h x 36.75"w with inside dimensions of 9.00"h x 38.25"w x 18.25"d. The cabinet shall be enclosed by one (1) set of sliding polycarbonate doors and shall contain one (1) adjustable shelf. The doors shall have full length handles with the outer most sliding door to have handles on both ends.</p> <p>LEFT WALL - ATTENDANT CONTROL PANEL - HINGED PANEL</p>	Y__N__
10004-0001	<p>A WELDON Vista Control Screen mounted on an angled flip – down panel secured with locking chrome lever latches The panel will be located to the immediate right of the</p>	

Braun Industries, Inc.

attendant's seat. The forward portion of the panel will contain a flat area that may be used for future radio mounting, etc.

One (1)
50-10-0349 CABINET - LEFT WALL, LOWER REAR #3 - FIXED FRAME Y__N__

The left wall, lower rear interior cabinet (#3) shall have a door opening of 15.25"h x 31.50"w with inside dimensions of 16.75"h x 33.00"w x 18.25"d. The cabinet shall be enclosed by one (1) set of sliding polycarbonate doors. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The cabinet shall contain one (1) adjustable shelf.

One (1)
50-10-0416 CABINET - LEFT WALL, LOWER UNDER REAR ACTION AREA #4 Y__N__

The left wall lower cabinet (#4), under the rear action area, shall have a door opening of 15.50"h x 13.50"w and inside dimensions of 17.00"h x 15.00"w x 18.25"d. The cabinet shall be enclosed by one (1) left hinged polycarbonate door secured with a center squeeze latch and shall have one (1) adjustable shelf.

One (1)
50-10-0610 PRIMARY ACTION AREA Y__N__

The primary action area shall be located beside the attendant seat with work area dimensions of 39.00" wide x 17.50" deep.

One (1)
50-10-0642 SECONDARY ACTION AREA Y__N__

The secondary action area shall be located to the rear of the CPR seat with work area dimensions of 18.50" high x 16.50" wide x 17.50" deep.

One (1)
50-20-0147 CABINET - FRONT WALL, UPPER #1 Y__N__

The front wall, upper interior cabinet (#1) shall be enclosed by one (1) set of sliding polycarbonate doors. The doors shall have full length handles with the outer most sliding door to have handles on both ends. The compartment shall contain one (1) adjustable shelf.

One (1)
50-20-0288 CABINET - FRONT WALL, LOWER #2 & #3 - INSIDE/OUTSIDE ACCESS Y__N__

The lower front interior wall shall have two (2) cabinets with three (3) adjustable shelves on Unistrut adjustable track brackets. One shelf shall serve as the divider for the cabinets.

The front wall lower cabinet (#2) shall have a door opening of 21.00" high x 25.25" wide with interior dimensions of 24.75" high x 31.50" wide x 17.75" deep. This cabinet shall provide inside/outside access and shall have one (1) adjustable shelf on Unistrut adjustable track brackets. One (1) clear light mounted in a removable panel will provide illumination in this compartment. There shall be aluminum beveled ramp edging installed on two edges of each shelf. This compartment shall be enclosed by one (1) pair of 3/8" thick, hinged polycarbonate doors. Each door shall have a full length hinge and center squeeze latches.

The front wall lower cabinet (#3) shall have a door opening of 21.00" high x 25.25" wide with interior dimensions of 24.75" high x 31.50" wide x 17.75" deep. This cabinet shall provide inside/outside access and shall have one (1) adjustable shelf on Unistrut adjustable track brackets. One (1) clear light mounted in a removable panel will provide illumination in this compartment. There shall be aluminum beveled ramp edging installed on two edges of each shelf. This compartment shall be enclosed by one (1) pair of 3/8" thick, hinged polycarbonate doors. Each door shall have a full length hinge and center squeeze latches.

One (1)
CABINET - FRONT WALL, LOWER BELOW PDQ (SINGLE VENTED DOOR) Y__N__

Braun Industries, Inc.

50-20-0383

The compartment below the power distribution cabinet (PDQ) shall have a vented, hinged aluminum door secured by a chrome locking lever latch. Door to open towards rear of the ambulance module.

One (1)
50-20-0507

PASS THROUGH - CAB TO MODULE, WINDOW OPENING

Y__N__

A window opening shall be provided in the rear of the cab to accommodate pass-through communications to the patient compartment. A bellows shall be provided to connect the cab to the module.

One (1)

HEAT/AC PROAIR IW-3856 700 CFM 4X4 HEAT/AC CORE, BRUSHLESS BLOWER MOTOR

Y__N__

50-41-0213

A ProAir 12V IW-3856 700 CFM heater/air conditioner system with 56,000 BTU heating capacity and 38,000 BTU cooling capacity utilizing a 4x4 AC/Heat core and with a 10-speed brushless blower motor controlled through, the pulse-width-modulated output of the microprocessor based electrical system, shall be provided for high volume air movement with minimal noise. The heater/air conditioner air return shall be filtered to minimize contamination of the heater/air conditioner cores. The cab and module environmental systems shall be simultaneously capable of heating in the front while cooling in the rear and vice-versa. A thermostatically controlled rear system shall be provided for heating and air conditioning the patient compartment.

The temperature, whether heating or cooling, shall be controlled by a thermostat built into the attendant control panel screen, located in the street side cabinet and from the cab master control console screen. Heating and cooling may be selected automatically or manually. The heater/air conditioner system shall function only when the ignition system and the module power switch are on. The rear heater shall have EPDM/Nomex heater hoses. The rear air conditioner shall have barrier air conditioner hoses for R-134A refrigerant. Full module HVAC controls shall be located on both the rear ACP screen and the cab MCC screen.

The module heat and ac system shall be installed in the upper portion of the front wall. Four (4) adjustable heat/ac vents shall be located above the heater/ac.

One (1)
50-50-0011

SEATING - SQUAD BENCH BASE W/ STORAGE CN8 COMPLIANT

Y__N__

A Squad bench seat with two (2) individual seating positions will be installed on the curb side of the patient compartment. The squad bench seat shall be KKK-A-1822F Change Notice 8 compliant with (2) V4 harness style shoulder / seat belts and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The seat bottom, backrest, and headrest of the seat shall be padded and covered with color coordinated, cushioned vinyl. A storage area shall be provided in the squad bench base. The squad bench base shall be constructed of .090" thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material.

One (1)
50-50-0116

ATTN SEAT - EVS HiBAC, SWIVEL BASE CN8 COMPLIANT

Y__N__

10004-0001

Braun Industries, Inc.

A rear facing EVS HiBAC attendant seat shall be installed at the head of the patient cot and shall be centered with the cot location. The seat shall be equipped with a sliding swivel base. The seat shall be KKK-A-1822F Change Notice 8 compliant with an adult V4 harness style shoulder / seat belt and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The seat shall be padded and covered with color coordinated, cushioned vinyl.

One (1) ATTENDANT SEAT - CENTERED WITH COT Y__N__
50-50-0124

The attendant seat shall be centered with the cot location.

One (1) CPR SEAT - FIXED Y__N__
50-50-0300

A CPR seat shall be installed on the street side of the patient compartment aft of the main action area counter. The seat, backrest, and sides of the seat shall be covered with color coordinated, cushioned vinyl. The seat shall be equipped with a red automatic locking, retractable seat belt.

One (1) SQUAD BENCH BASE STORAGE (COMPARTMENT #1) Y__N__
50-50-0514

A storage area shall be provided in the squad bench base (compartment #1). The interior dimensions of the storage area shall measure 14.50" high x 74.75" wide x 21.00" deep. The squad bench base shall be constructed of .090" thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material.

One (1) SQUAD BENCH LID - WITH SHARPS AND TRASH ACCESS Y__N__
50-50-0527

The squad bench lid shall be one-piece, liftable, on a full length continuous hinge. The lid area shall have a padded cushion covered with color coordinated vinyl upholstery material. The squad bench cushion upholstery shall be sewn with seams only at the vertical corners to minimize entrapment of fluids. An automatic latching fastener shall be installed to secure the squad bench lid in the closed position.

One (1) HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS Y__N__
50-50-0541

Two (2) gas cylinders hold -opens shall be provided and installed to hold the cushioned lid in the open and closed position.

One (1) CABINET CONSTRUCTION - INTERIOR - ALUMINUM Y__N__
50-51-1001

All interior cabinets shall be constructed of a minimum of .090" thick welded aluminum. Wood products shall not be used in the construction of any interior cabinet. All cabinet exteriors, interiors, drawer fronts, drawer interiors, and aluminum doors shall be sealed with a washable sprayed-on multi-use polychromatic coating.

One (1) RECESSED ADJUSTABLE SHELF TRACK - CABINETS Y__N__
50-51-1011

Unistrut 13/16" x 13/32", 19 gauge channel shall be installed in the interior cabinets that contain adjustable shelves. The track shall be welded in and recessed to reduce the number of fasteners and provide a cleaner look.

Braun Industries, Inc.

One (1) 50-51-1013	HOLD OPENS FOR INTERIOR DOORS All interior cabinets with doors less than 6" tall shall have friction hinges as hold opens for door(s). Doors 6" and taller shall be designed using gas shocks as hold opens for the door(s).	Y__N__
One (1) 50-51-1014	CATCH, MAGNETIC - ADHESIVE BACK FOR INTERIOR DOOR(S) OVER 36 INCHES All interior doors that are over 36" inches tall with a latch on the top of the door shall have an adhesive back magnetic catch installed on the bottom of the door.	Y__N__
One (1) 50-51-2002	CABINET DOORS - CLEAR POLYCARBONATE All cabinet doors shall be clear polycarbonate material. The sliding cabinet doors shall be installed in aluminum track lined with PPL inserts to eliminate rattles and prevent the doors from opening during transit. An edge mounted aluminum handle shall be installed on each sliding cabinet door.	Y__N__
One (1) 50-51-3001 30	CABINETS/ WALLS - POLYCHROMATIC COATING - MARBLE STONE All exposed side walls, the partition wall (on the patient compartment side only), the headliner, along with the cabinet and drawer fronts, aluminum doors, cabinet and drawer interiors shall be covered with a washable #99-7371 Marble Stone sprayed-on multi-use polychromatic coating, to create a laminate-free interior.	Y__N__
One (1) 50-51-4001	COUNTER TOP - RECESSED ALUMINUM - POLYCHROMATIC SPRAY COATED The counter top shall be recessed 1.25" to prevent equipment from sliding off. All counter top work surfaces shall be finished with multi-use poly-chromatic spray coating prior to being clear coated.	Y__N__
One (1) 50-51-5001	UPHOLSTERY - PATRIOT PLUS CHARCOAL #8605 All cushions, head pads and seats shall be covered with Spradling International Patriot Plus Charcoal #8605 expanded vinyl upholstery material. The vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements.	Y__N__
One (1) 50-51-6001	LONPLATE II, NON-SLIP EMBOSSED SM. GRID - MICA (GRAY) #421 The floor in the patient compartment shall be covered with Lonseal "Lonplate II" non-slip; small grid (embossed) Mica (gray) #421, resilient sheet vinyl flooring material, which shall be covered 3-inches up the wall on the street side, and to the top of the squad bench base on the curbside. The flooring material shall be stripped and waxed before delivery.	Y__N__
One (1) 50-60-0018	ASPIRATOR / SUCTION - SSCOR - WITH ELECTRIC PUMP - RECESSED An SSCOR suction system with a 12 VDC electric vacuum pump shall be recessed into the street side lower interior wall near the attendant's seat. The 12 VDC electric vacuum pump shall be mounted in the standard outside storage compartment. The system shall be activated by a switch on the attendant control panel. The SSCOR vacuum pump exhaust shall be vented to the exterior of the vehicle.	Y__N__
One (1) 50-60-0037	ASSIST HANDLES, (6) BLACK RUBBER A total of six (6) 10-7/8" black vulcanized rubber with steel core assist handles shall be provided and installed: one (1) handle on each rear door, one (1) on the curbside door, one (1) at the curbside doorway and two (2) at the rear doorway.	Y__N__
One (1) 50-60-0161	COT FASTENER - STAT-TRAC SINGLE - CENTER POSITION CN8 COMPLIANT	Y__N__

Braun Industries, Inc.

One (1) 50-60-0220	A Stat Trac, single-position (center mount) cot fastener shall be installed on the module floor to accommodate a Ferno series cot. 0.625" thick aluminum tapping plate(s) shall be installed below the aluminum floor to secure the cot floor mounting plates. EMBLEMS / SIGNS - REAR PATIENT COMPARTMENT	Y__N__
One (1) 50-60-0256	Two (2) " <i>No Smoking / Oxygen Equipped / Fasten Seat Belts</i> " signs shall be provided. One (1) sign shall be installed in the cab and one (1) above the oxygen outlets in the patient compartment street side cabinet. EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM	Y__N__
One (1) 50-60-0300	A three-speed, 300 CFM (minimum) exhaust fan meeting KKK-A-1822F requirements shall be provided and located in the street side cabinet in the patient compartment. The exhaust fan shall be pulse width modulated from a switch on the attendant control panel vista screen. The exhaust system shall have a louvered grille inside and a chrome vent outside. The exhaust system shall vent through the side of the vehicle, not through the roof. FLOOR CONSTRUCTION- PATIENT COMPARTMENT, NON-WOOD COMPOSITE	Y__N__
One (1) 50-60-0301	The sub-floor in the patient compartment shall be constructed of .125" thick aluminum over .125" and .190" thick reinforcing hat sections and mounting laterals. The aluminum sub-floor shall be covered with a single piece of 3/4" non-wood composite material . All corner molding, edging and trim shall be anodized aluminum or stainless steel and shall be sealed to prevent fluids from seeping under the cabinets. Wood floors are not satisfactory and shall not be accepted by the purchaser. FLOORING - COVE	Y__N__
One (1) 50-60-0340	The patient compartment floor radius shall be coved with pre-formed floor coving material. The coving shall be installed behind the vinyl floor covering, along both the street side and curbside walls. GRAB RAIL, 1-1/4" DIAMETER, (96") OVER COT AREA	Y__N__
One (1) 50-60-0391	One (1) 1-1/4" diameter x 96" long stainless steel grab rail shall be installed on the ceiling for attendant/ patient balance control. The grab rail shall be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module. Installation of the grab rail shall comply with AMD-008 requirements. HEADLINER - REAR PATIENT COMPARTMENT	Y__N__
One (1) 50-60-0434	The headliner in the patient compartment shall be one-piece, seamless, .090 thick aluminum finished with sprayed-on multi-use polychromatic coating. I V HANGERS - PERKO TWO (2), WITH VELCRO STRAPS	Y__N__
One (1) 50-60-0612	Two (2) Perko #1309 I.V. hangers shall be provided. One (1) shall be installed near the street side cabinet and one (1) above the squad bench. A Velcro strap shall be provided at each position to stabilize the bag or bottle. OXYGEN OUTLETS (3) WALL - OHIO MEDICAL TYPE	Y__N__
One (1) 50-60-0629	Three (3) Ohio Medical flush mounted, quick release wall outlets shall be installed. Two (2) in the forward street side cabinet action are and one (1) shall be installed in the wall above the squad bench. FLOW METER, OXYGEN - THORPE STYLE	Y__N__

10004-0001

Braun Industries, Inc.

One (1) 50-60-0652 10	One (1) Thorpe style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle. OXYGEN SYSTEM, MANUAL SYSTEM	Y__N__
	The oxygen system shall be completely installed and include a pre-set oxygen regulator with a cylinder pressure gauge and a 200 PSI safety valve with all necessary piping and connections. The oxygen system shall be completely low pressure, and the regulator shall be fastened directly to the cylinder. The regulator shall be set to operate at approximately 50 PSI. The oxygen cylinder shall be installed so the system may be easily turned on and off at the main cylinder valve from the patient compartment. The oxygen cylinder shall be provided by the purchaser.	
	The oxygen system monitor shall be readily available to the attendant while seated at the head of the cot as part of the microprocessor based electrical system. Flexible conductive oxygen hose with a minimum 900 lbs. burst rating shall be installed between the regulator and the oxygen receptacles. The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F.	
One (1) 50-60-0660	The manual O2 system shall have flexible conductive oxygen hose with a minimum of 900 lb. burst rating installed between the O2 storage compartment and the oxygen receptacle(s). The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F. PADDED EDGING PROTECTION	Y__N__
	Padded corner edging shall be installed where necessary on exposed corners and edges in the patient compartment for patient and attendant protection.	
One (1) 50-60-0661	PADS, HEAD AND BACK	Y__N__
	Vinyl upholstered, foam cushioned head/back pads shall be installed as follows: the lower edge of the upper front wall cabinet (above the partition doorway or window), above the rear doors, above the side door, and on the street side wall behind and each side of the CPR seat. The pads shall be covered with a flame retardant color coordinated vinyl upholstery material.	
One (1) 50-60-0709	SHARPS AND TRASH CONTAINERS - ACCESS THRU SQUAD BENCH LID	Y__N__
	A 6.9 qt. #BD5489 sharps container, and a 8 qt. trash container shall be installed in the forward end of the squad bench base. The containers shall be access through the squad bench lid, and covered with a 3/8" thick clear acrylic hinged lid with a biohazard warning label.	
One (1) 50-60-0718	SQUAD BENCH FACE - VINYL FLOORING MATERIAL	Y__N__
	The face of the squad bench shall be covered with vinyl flooring material.	
One (1) 50-60-0730	DOOR PANELS - MODULE PASSAGE DOORS - FULL LENGTH ALUMINUM - W/ACCESS PANELS	Y__N__
	The inner door panels shall be manufactured from aluminum, and covered with a washable sprayed-on multi-use polychromatic coating. The panels shall run the full length of the door and will contain a removable latch access panel.	
One (1) 50-60-0761	STAINLESS STEEL WALL PROTECTION - INTERIOR STREETSIDE	Y__N__

Braun Industries, Inc.

A brushed stainless steel panel shall be provided on the street side wall from the bottom of the CPR seat cushion down to the flooring material to protect this area when the cot is taken in or out of the vehicle.

One (1) TURTLE TILE - SKID-RESISTANT MAT, CURBSIDE STEPWELL Y__N__
50-60-0820

Skid resistant charcoal gray turtle tile matting shall be installed in the curbside step well.

One (1) PAINT PROCEDURE Y__N__
60-01-0001

All non-anodized aluminum module body surfaces shall be completely chemically steam cleaned, filled with premium body filler as needed, sanded smooth and primed with an epoxy primer and then primed again with a high solid primer.

The cured primer surfacer shall be DA sanded with 320 grit and cleaned. A high solid primer shall then be applied, where needed, as a sealer.

One (1) PAINT MODULE - OEM WHITE Y__N__
60-01-0002

The module shall be painted with a low voc Axalta polyurethane paint, to match the OEM chassis color, at a dry thickness of no less than 2 to 2.5 mils.

One (1) CLEAR COATING - MODULE PAINT Y__N__
60-01-0003

The entire module shall be clear-coated, using an Axalta Process, sprayed over the final paint coat.

One (1) BUFFING, PAINT - MODULE Y__N__
60-01-0004

The paint on the module sides shall be buffed to a high shine using a recommended paint buff system.

One (1) STANDARDS AND SPECIFICATIONS FOR VEHICLE PAINT APPEARANCE Y__N__
60-01-0005

Standards and Specifications for Vehicle Paint Appearance

1. **PURPOSE:** To provide cosmetic standards that represent a common language and set of shared expectations of the appearance quality the Bidder's vehicle. This and associated documents define the appearance acceptability and non-acceptability criteria for the Bidder's Ambulance. These standards represent a realistic balance between our Customer expectations and the derived output from our current manufacturing process. Any output required beyond these objectively based requirements requires extraordinary means and comes with associated costs and timing.
2. **SCOPE:** These standards apply to all of the Bidder's vehicles being produced beginning in calendar year 2016.
3. **DEFINITIONS:**
 - 3.1 Class A Surfaces are defined as:
 - A. Highly Visible or reflective surfaces that cause the viewer's eye to focus on that area of the vehicle.
 - B. The exterior of the vehicle from 36 inches off of the ground to 96 inches off of the ground.

Braun Industries, Inc.

C. Areas that passengers of the vehicle would view in a normal viewing direction of (+/- 45 degrees) and a distance of (24 Inches – 36 inches).

3.2 Class B Surfaces are defined as;

A. Less visible area that is viewed as a general area. This would include areas beyond the normal viewing direction as specified in Class A surfaces including those higher than 96 inches off of the ground or lower than 36 inches off of the ground.

B. Another description would include areas seen peripherally.

C. Any area that must be viewed at an unusual angle.

3.3 Class C Surfaces are defined as;

A. Any area that must be viewed by close inspection.

B. This would include the roof area of a cab.

C. Any area that would be visible less than 1% of the time such as door jams or the back of doors including those on the module

3.4 Class D Surfaces are defined as;

A. Areas that the consumer will be unable to evaluate without removal of other component parts.

B. Any area that must be viewed at an abnormal or unusual angle.

C. Any area that can only be seen when lying on the ground, from under the vehicle, or require a ladder to see, such as the roof.

4. PROCEDURE:

4.1 General Inspection Requirements:

A. Cosmetic inspection by the Bidder or its suppliers shall use the TIME and DISTANCE method of inspection as described in different sections of this document.

B. The Cosmetic standards defined in this document shall be used for training personnel, checking surface quality produced by any process and used in making "Accept/Reject" decisions.

4.2 Viewing Conditions:

A. All visual inspection will be made under normal artificial lighting, unaided and viewed in a manner that duplicates the typical end use of the vehicle. During cosmetic inspection, only visual qualities (appearance) of the part surface shall be considered. Surfaces shall be viewed without the aid of magnification, at an angle approx. 45° to normal of the surface to be inspected.

4.3 The following are Inspection criteria:

A. Inspection shall be conducted using the unaided eye.

B. Viewing distance shall be 18" or 24" as specified by surface class.

C. Viewing angle shall be at a minimum of 45° to the surface.

Braun Industries, Inc.

D. Light source shall be fluorescent light; the light source shall provide optimal viewing and minimized glare and shadowing of the vehicle.

E. Where subjectiveness intervenes in the assessment, form/fit/function shall take precedent.

4.4 The following table shall be used to determine viewing distance and duration:

Codes:	Class A	Class B	Class C	Class D
Viewing Distance:	18 inches		18 inches	24 inches
	24 inches			
Viewing Time:	10 seconds	5 seconds	3 seconds	3 seconds
Viewing Area:	50 Inches SQD	50 Inches SQD	50 Inches SQD	50 Inches SQD

4.5 Conditions and Acceptance Criteria

A. The total number of defects per surface shall not exceed the acceptable limit.

4.6 Specific boundary samples are logged in the Bidder's Database and reviewed annually at a minimum for applicability.

4.7 These standards do not apply to an OEM chassis in which cased, OEM acceptance standards apply unless it has been quoted to meet the Bidder's Appearance Standards.

4.8 Any OEM chassis painted by the Bidder will conform to the original OEM acceptance standards unless it has been quoted to meet the Bidder's Appearance Standards.

Specification Limits For Vehicle Appearance (Exterior)

ITEM	"A" Surface	"B" Surface	"C" Surface	"D" Surface
Bare Substrate	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Pin Hole/Solvent Pop	.5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT	1.0 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT	1.5 mm max. size/2 per 50 inches Squared /must be a minimum of 25 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT	2.0 mm max. size/3 per 25 inches Squared / must be 12 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT
Chips/Damage	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Cracking	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Fish Eyes	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	Must match Boundry Sample
Dings	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Dirt - Must "feel" flat	.5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart	1.0 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart	1.5 mm max. size/1 per 50 inches Squared /must be a minimum of 25 inches apart	2.0 mm max. size/ 3 per 25 inches Squared / must be 12 inches apart

Braun Industries, Inc.

Dry Spray	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	Must match Boundry Sample
Mottling - Color Specific	Must match Boundry Sample	Must match Boundry Sample	Must match Boundry Sample	Must match Boundry Sample
Off Color to Cab or other Module elements	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5
Orange Peel	Equivalent to # 10 panel MIN.	Equivalent to # 10 panel MIN.	Equivalent to # 10 panel MIN.	Equivalent to # 7 panel MIN.
Overspray	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	Must match Boundry Sample
Paint Drops/Drips	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Pits/Porosity	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Crooked Mask Lines	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Burn Through	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Sags/Runs	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Scratches	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Polishing Swirls (Scratches)	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches
Shrinking	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Thin Paint	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Water Spots/Rinse Blisters	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Wet Mark	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Wrinkling	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED

Specification Limits For Vehicle Appearance (Interior)

ITEM	"A" Surface	"B" Surface	"C" Surface	"D" Surface
Bare Substrate	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Pin Hole/Solvent Pop	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Chips/Damage	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Cracking	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Dirt - Must "feel" flat	NOT ALLOWED	NOT ALLOWED	1mm in diameter or 1.5mm surface area (L x W) at a minimum of 400 mm apart.	N/A
Dry Spray	NOT ALLOWED	NOT ALLOWED	ALLOWED	N/A
Off Color to other Module elements	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Overspray	NOT ALLOWED	NOT ALLOWED	ALLOWED	N/A

Braun Industries, Inc.

Paint Drops/Drips	NOT ALLOWED	NOT ALLOWED	1mm in diameter	N/A
Pits/Porosity	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Crooked Mask Lines	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Sags/Runs	NOT ALLOWED	NOT ALLOWED	SAG - 2mm Wide by 2mm Long by .5mm High MAX / RUN - 3mm WIDE by 2mm Long by .5mm High MAX	N/A
Scratches	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Shrinking	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Thin Paint	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A
Wrinkling	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	N/A

ITEM	"A" Surface	"B" Surface	"C" Surface	"D" Surface
Bare Substrate	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Pin Hole/Solvent Pop	.5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT	1.0 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT	1.5 mm max. size/2 per 50 inches Squared /must be a minimum of 25 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT	2.0 mm max. size/3 per 25 inches Squared / must be 12 inches apart - MUST NOT BE DEEPER THAN THE CLEAR COAT
Chips/Damage	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Cracking	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Fish Eyes	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	Must match Boundary Sample
Dings	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
Dirt - Must "feel" flat	.5 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart	1.0 mm max. size/1 per 50 inches Squared /must be a minimum of 50 inches apart	1.5 mm max. size/1 per 50 inches Squared /must be a minimum of 25 inches apart	2.0 mm max. size/ 3 per 25 inches Squared / must be 12 inches apart
Dry Spray	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	Must match Boundary Sample
Mottling - Color Specific	Must match Boundary Sample	Must match Boundary Sample	Must match Boundary Sample	Must match Boundary Sample
Off Color to Cab or other Module elements	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5	Visually acceptable to the Master Plaque or the Delta E is not greater than 1.5

Braun Industries, Inc.

Orange Peel	Equivalent to # 10 panel MIN.	Equivalent to # 10 panel MIN.	Equivalent to # 10 panel MIN.	Equivalent to # 7 panel MIN.
Overspray	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	Must match Boundary Sample
Paint Drops/Drips	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Pits/Porosity	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Crooked Mask Lines	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Burn Through	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Sags/Runs	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Scratches	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Polishing Swirls (Scratches)	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches	Minimal amount of micro scratches from polishing are acceptable, must not be felt or able to be seen from 24 inches
Shrinking	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Thin Paint	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Water Spots/Rinse Blisters	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Wet Mark	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Wrinkling	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED	NONE ALLOWED
Gaps in Diamond Plate at intersection of Cab Steps	N/A	NONE ALLOWED	N/A	N/A

One (1) CAB - OEM PAINT Y__N__
60-10-0108

One (1) BLACK REFLECTIVE MATERIAL IN RUB RAILS Y__N__
60-25-0101

One (1) Rub rails shall incorporate a 5/8" wide black reflective scotchlite safety accent stripe.
60-30-0200 DOOR REFLECTIVITY Y__N__

Braun Industries, Inc.

Reflective material (25" x 2.5" red/silver chevron style) meeting FMVSS 108 requirements shall be installed on the lower interior stainless steel panel of each rear door and hinged side door.

One (1)
80-10-0000

If a sliding side door is provided, it shall have a 1.50" x 40.00" white reflective stripe installed on the rear facing edge.
KKK-A-1822F COMPLIANCE

Y__N__

One (1)
80-20-0001

A KKK-A-1822F compliance sticker, electrical load analysis sticker, and payload sticker shall be installed in the oxygen compartment. Any deviations from KKK-A-1822F shall be listed in the vehicle delivery packet with a notation on the-compliance sticker.
VEHICLE MANUALS (1) PACKAGE SET

Y__N__

One (1) Delivery Manual Package shall be supplied with the vehicle, and shall include the following items:

- Ambulance manufacturer parts, service and operation manuals
- OEM chassis owner's guide
- Complete 12 VDC and 125 VAC wiring schematics for all included standard and optional systems
- Multiplex Electrical system programming - electronic media

One (1)
90-10-0007

STATEMENT OF LIMITED WARRANTY NEW AMBULANCES

Y__N__

	<h2 style="color: white;">BRAUN PERFORMANCE EXCELLENCE SYSTEM</h2>	
	<h3>Statement of Limited Warranty New Ambulances</h3>	
		Document No. and Level: BPES-P-076-100 / Level II Effective Date: Jan 1, 2018 Revision No. C Prepared By: Kim Braun Owner: Kim Braun Page: 1 of 2

SOLIDBODY™ MODEL WARRANTY

Subject to the provisions, limitations, and conditions set forth in this warranty, Braun Industries, Inc. (the "Manufacturer") warrants to each original purchaser that its ambulances are free of defects in material and workmanship and shall maintain such integrity under normal use and service. This warranty is valid only in the United States and Canada and all warranty periods start from the date of manufacture and expire per the disclosures listed below. The Manufacturer warrants to repair or replace at its sole discretion; components, installation, or workmanship deemed to be defective under the terms and conditions set forth in this warranty statement. Warranty repairs must be performed by the Manufacturer or by a Braun Authorized Dealer / Service Center.

EXCLUSIONS AND LIMITATIONS

NOTWITHSTANDING ANY OTHER PROVISION HEREOF TO THE CONTRARY, OTHER THAN THE EXPRESS WARRANTIES SET FORTH HEREIN, THE MANUFACTURER MAKES NO OTHER WARRANTY REGARDING THE AMBULANCES, PRODUCTS AND/OR SERVICES

Purchaser shall be responsible and liable for such modifications, alterations, integrations and installations performed by purchaser and purchaser hereby agrees to indemnify and hold harmless Manufacturer and its successors and assigns from all liabilities, obligations, cost, losses, demands, actions, proceedings, claims, damages, and penalties (including, without limitation, all attorney fees) incurred or suffered by Manufacturer and arising or relating to such modifications, alterations, integrations and installations performed by purchaser.

The Manufacturer reserves the right to make changes to the design and features of its products without any obligation to make corresponding changes to products previously manufactured. No other person is authorized to make any representation or warranty on behalf of the Manufacturer or any Braun Authorized Dealer / Service Center, other than as stated in the Manufacturer's warranty.

STRUCTURAL WARRANTY

The aluminum modular body (Braun SOLIDBODY™ ambulances) are

Braun Industries, Inc.

PROVIDED BY MANUFACTURER, EXPRESS OR IMPLIED, AND MANUFACTURER EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR THE WARRANTY IN SECTION 2-312 OF THE UCC THAT SUCH AMBULANCES AND/OR PRODUCTS DO NOT INFRINGE ON THE RIGHTS OF ANY OTHER PERSON. The purchaser's right to repair or replacement of defective parts or workmanship is the exclusive remedy, and neither the Manufacturer nor any Braun Authorized Dealer / Service Center shall be liable for damages, whether ordinary, incidental, or consequential under this warranty. Any remedy of consequential damages; including but not limited to economic loss, transportation, mileage, trip charges, wages, etc., and any remedy of incidental damages or loss are hereby excluded. Any acts of God or natural disasters, such as flood, storm, lightning, etc. are excluded. Purchaser's noncompliance with any part of this specific limited warranty shall immediately render the total warranty null, void and non-enforceable.

The purchaser shall use, service and maintain the ambulance according to the written instructions furnished by the Manufacturer and failure of purchaser to properly use, service and maintain the product in accordance with such instructions shall void the warranty, including, without limitation, (i) use of modular body for any purpose other than what it was originally designed to perform, (ii) resale or remounting of modular body without written warranty-transfer approval within the required time period, (iii) overloading the ambulance beyond its applicable weight rating, (iv) overloading the electrical system beyond its applicable electrical load rating, (v) remounting the modular body by anyone other than the Manufacturer or a Braun Authorized Remounter, (vi) defects or damage as a result of misuse, abuse, negligence, damage, or failure to provide normal routine maintenance, and/or (vii) defects or damage as a result of pass-through and after-market work performed by any entity other than the Manufacturer.

This statement of limited warranty does not apply to: (i) any product or component supplied by the purchaser, (ii) any product or component that is added, repaired, modified, altered, or replaced by anyone other than the Manufacturer, or (iii) any component that is not produced by the Manufacturer, and carries its own warranty.

warranted to be structurally sound and free of joint separation, weld cracks and all other structural defects in materials and workmanship for the life of the vehicle in accordance with the provisions of this warranty. The original Braun Limited Warranty may be extended to the remounted ambulance when authorized.

Inclusions to warranty – The modular body construction, including seams, joints, door frames, roof, floor, and wall construction. All exterior doors. All aluminum cabinetry.

Exclusions from warranty – Paint finish, sealant deterioration, filler shrinkage, hardware, moldings, windows, non-aluminum cabinets, and other accessories that are not structural components of the module. Normal wear parts such as door rollers, latches, hinges, etc. Any part or component becoming defective as a result of accident damage or other casualty.

An accident will void the structural warranty. The potential for reinstatement of the structural warranty is dependent on an inspection by the Manufacturer or a Braun Authorized Dealer / Service Center within sixty days of the occurrence. The inspection will determine the structural integrity of the module and if there is an opportunity to reinstate the warranty.

TRANSFER OF OWNERSHIP:

The structural warranty may be transferred to a subsequent owner(s) provided that the vehicle is inspected by the Manufacturer or a Braun Authorized Dealer / Service Center within sixty days of transfer of ownership and the warranty revalidation forms are completed and filed with the Manufacturer verifying warranty compliance. A warranty transfer fee, in addition to inspection charges, will apply. Once this warranty has become invalidated by failure to comply with this provision or for any other reason, it cannot be reinstated.

CONVERSION WARRANTY

The non-structural construction, assembly and installation of the module is warranted to be free of defects in materials and workmanship for a period of three years from the date of manufacture, or up to 36,000 miles, whichever occurs first. Performance of components and equipment not manufactured by the manufacturer are covered by the applicable warranty from the

**This is an Electronically CONTROLLED Document and the property of Braun Industries
Uncontrolled When Printed**



BRAUN PERFORMANCE EXCELLENCE SYSTEM

Statement of Limited Warranty New Ambulances

Document No. and Level:	BPES-P-076-100 / Level II
Effective Date:	Jan 1, 2018
Revision No.:	C
Prepared By:	Kim Braun
Owner:	Kim Braun
Page:	2 of 2

supplier of the specific item in question and may be more or less than the three year conversion warranty period and in some cases may not cover labor.

Inclusion to warranty – Non-aluminum cabinets, interior doors and acrylic or polycarbonate windows, hardware, latches and locks, trim, wall coverings, floor, kick plates, cot mount hardware, grab handles, IV hangers and other accessories. Braun manufactured seating, head pads, and other cushions and upholstery items. Air conditioning and heating system hoses, connections, and installation. Peeling or de-lamination of the topcoat and/or other layers of graphics. Cracking or checking of the graphics material and loss of gloss or color.

ELECTRICAL WARRANTY - TRADITIONAL

The electrical wiring harness, electrical components, and electrical system installation and workmanship are warranted to be free of defects for a period of five years from the date of manufacture (up to 75,000 miles), whichever occurs first. Performance and function of components and equipment not manufactured by the manufacturer are covered by the applicable warranty from the supplier of the specific item in question and may be less than the five year electrical warranty period, may not cover labor and may require repair instead of replacement.

Inclusion to warranty – All Manufacturer installed wiring, wiring terminals

Braun Industries, Inc.

Exclusion from warranty – Effects from normal wear/use. Floor discoloration and marring. Damage to graphics caused by chemicals including but not limited to: DEF (diesel exhaust fluid), gasoline, diesel fuel, anti-freeze, power steering fluid, brake fluid, fuel additives, magnesium, calcium chloride, road salt, or other substances which are used to free roads from ice/snow. Damage caused by power washers, or other aggressive forms of washing. Damage caused by rolling, sliding or segmented doors.

CHASSIS WARRANTY

All new Braun ambulances that are mounted on a new chassis will carry the full OEM warranty, as issued by the specific chassis OEM. This warranty is administered by the chassis OEM's representing dealer and is subject to the guidelines, restrictions, and limitations that they set forth. This warranty does not apply to any portion of the truck or chassis directly included in the alteration process – including materials added to and work accomplished on the original chassis by a vehicle modifier. Should any chassis service/repairs be required due to Braun alterations, such repairs/service are covered under the Braun warranty for a term equal in duration, and in every other aspect, to the warranty provided by the OEM for the applicable chassis model year. The purchaser should complete an alignment after the unit is loaded and readied for use, as added weight and weight distribution will affect vehicle alignment. Alignments are not covered by OEM nor Braun warranty.

ELECTRICAL WARRANTY - MASTERTECH

The MasterTech microprocessor based, multiplex electrical system is warranted to be free of mechanical, electrical, and physical defects (excluding lamps, switches, and electrical display screens) for a period of seven years from the date of manufacture (up to 84,000 miles), whichever occurs first. The electrical display screens are also covered by a seven year pro-rated warranty, with a maximum allowable coverage of \$200 for parts replacement after three years. Labor is covered for the entire seven year period.

Inclusion to warranty – All Manufacturer installed wiring, wiring terminals, connectors, nodes and electrical display screens. Initial programming and proper system functions. Installation and proper wiring of standard and specified optional components such as fans, lights, sirens, compressors, IV warmers etc.

Exclusion from warranty – Chassis electrical systems which are covered by the chassis OEM. Batteries and alternator systems which are covered by the OEM warranty. Light bulbs, batteries, and other normal wear/consumable type items.

connectors, relays, rocker switches, circuit breakers, diodes, solenoids, voltmeters, ammeters, and hour meters. Installation and proper wiring of components.

Exclusion from warranty – Chassis electrical systems which are covered by the chassis OEM. Batteries and alternator systems which are covered by the OEM warranty. Light bulbs, batteries, and other normal wear/consumable type items.

PAINT WARRANTY

The pro-rated paint warranty covers the areas of the ambulance body finished with paint products specified by the Manufacturer for a period of seven years from the date of manufacture, or up to 84,000 miles, whichever occurs first. The first four years, or up to 48,000 miles, are covered at 100% parts and labor. The fifth year or up to 60,000 miles, is covered at 75% parts and labor. The sixth and seventh years or up to 84,000 miles, are covered at 50% parts and labor. Paint repairs must be pre-authorized by the Manufacturer and performed by the Manufacturer or an Authorized Braun Dealer / Service Center.

Inclusion to warranty – Peeling or de-lamination of the topcoat and/or other layers of paint. Cracking, checking or loss of gloss. Any paint failure caused by defective materials which are covered by this warranty. Corrosion caused by improper surface preparation, dissimilar metal reaction or improper paint application.

Exclusion from warranty – Paint deterioration caused by road salt, magnesium, calcium chloride, or other substances which are used to free roads from ice/snow. Paint deterioration caused by accidents, acid rain, chemical fallout, acts of nature, or the lack of routine maintenance such as regular washing and waxing or the failure to touch-up stone chips. Damage caused by chemicals including but not limited to: DEF (diesel exhaust fluid), gasoline, diesel fuel, anti-freeze, power steering fluid, brake fluid, fuel additives, abrasive cleaners, etc. Failures resulting from product misuse or abuse including but not limited to stone chips, scratches, gouges, other impact damage, etc. Hazing, chalking or loss of gloss caused by improper care, abrasive polishes, cleaning agents, pressure washing, or aggressive mechanical wash systems. Failure of finishes that were applied without the prior, written authorization of the Manufacturer.

NOTE: Copies of these Warranties shall be provided to the purchaser in the bid response.

**This is an Electronically CONTROLLED Document and the property of Braun Industries
Uncontrolled When Printed**