

**CHASSIS**

NEW YEAR MODLE FORD F-550 4X4 WHITE IN COLOR AUTOMATIC TRANSMISION  
DIESEL ENGINE 84" CAB TO AXLE LENGTH

**TYPE I BASIC REMOUNT**

**REAR AIR RIDE SUSPENSION**

KELDERMAN AIR RIDE SUSPENSION SHALL BE INSTALLED

**CONSOLE FRONT AND SWITCHES**

Transfer existing console and switches, gauges, siren, etc. Access to OEM controls will not be restricted.

**DECAL, NO SMOKING & FASTEN SEAT BELTS**

Install one each "No Smoking and Fasten Seat Belts" decals in cab and module.

**PANELS, HEADER AND SIDE ABS GRAY**

O.E.M. interior color, cab interior side and header extensions to be plastic ABS and form the same contour of cab sides.

**SWITCH, BATTERY CONTROL**

Battery switch will no longer be installed due to Ford QVM requirements. Chassis power to remain uninterrupted, there shall be an electronic disconnect switch added to control module functions.

**ALARM, BACKUP - PRE-240**

Install an OSHA approved 97dB rate audible alarm under rear of module to sound whenever vehicle is placed in reverse gear. An on/off rocker switch shall be located in front console.

**LIGHTS, CAB ROOF MARKER - (3 GROTE) 46813**

Install (3) new (Grote) marker lights on cab roof unless Module has (5) lights on front wall.

**EXHAUST PIPE, 1" PAST MODULE**

Extend exhaust tailpipe 1" past module as per Ford QVM requirements.

**LIGHTS, RED LED GRILLE**

Install two (2) Whelen 700 series red LED lights in grille area.

**LIGHTS, RED LED INTERSECTION W/ FLANGE**

Install two (2) Whelen 700 series LED with flanges light assemblies in front fenders to act as intersection lights. Lighting shall be used with both intersect lights to be powered by separate alternating flasher.

**SPEAKER HOUSING #SA315P**

There shall be two (2) speakers mounted inside the front bumper on each side. Speakers shall be wired to the electronic siren.

**RUNNING BOARDS, DIAMOND PLATE**

Install a set of new running boards made of .125 aluminum treadbrite material. Front partition of running boards shall include stone guards, installed with stainless steel bolts and nuts.

**WHEEL SIMS & FILL HOSES**

Install a set of (6) new Alcoa brand aluminum wheels, with rear valve extensions.

**CAB SEAL, INSTALL NEW BETWEEN MODULE AND CAB**

Install new weatherproof seal in between module and cab, and new 5/16 bolts between cab and module. The seal will isolate the cab from the module and prevent air and water leakage.

**ELECTRICAL SYSTEMS, - (RC TRONICS)**

Transfer existing electrical system utilizing new chassis dash and under-hood harnesses. All battery hot circuits will be protected with inline weather proof fuses. All battery switched and module power circuits will be protected with auto-rest thermal protected circuit breakers. Main master module control will be controlled by a continuous duty solenoid with diode protection to prevent any type of spiking.

Note: All wiring and components shall meet or exceed all KKK, FMVSS, and Ford QVM requirements.

Wiring: The chassis will be rewired and upgraded to comply with current Federal specification and chassis manufacturer's recommended guidelines. All chassis wiring and harnesses will be replaced. All wires will be rated for 125% of the expected load and have heat resistant GXL rated or better insulation. The insulation will be color coded as per each function; all wires will have circuit names impregnated every 4" along the wire. All ends will have insulated crimp on connectors. Splice connectors (barrel type) will only be used to connect a hard-wired component to its circuit wire. Any wire connection exposed to weather must have weatherproof heat shrunk insulation. All wires must be run in protective heat resistant loom. All harnesses will be secured with metal straps and wire ties. Harnesses passing through metal barriers or over edges will have grommets or edge protection added. All engine looms shall be rerouted inside cab to protect the loom and prevent heat damage from chassis. No wire will be cut and spliced between ends. Scotchlock or non-crimping type devices will not be used.

**RADIO'S TRANSFER EXISTING**

Transfer both radios front to specified location.

**SIREN, REINSTALL EXISTING**

Install existing siren mounted in new front console.

**SWITCHES, REAR CONSOLE - (RC-TRONICS)**

Transfer existing rear switch panel.

**OXYGEN SYSTEM, TEST**

Inspect oxygen system for proper operation. Pressure test and repair minor leaks. Perform re-certification testing to KKK-A-1822 standards.

**HEAT/ AC, NEW HOSELINE**

Transfer existing heater/air conditioner unit in module. Replace all hoses; fittings, valves, clamps, and solenoids with new O.E.M. approved components. A 50% solution of antifreeze and 134A coolant will be added; shall be added as needed. Fluid pressure, electronic leak detection and temperature change testing will all be performed in accordance with Federal guidelines.

**ANTENNAS, TRANSFER EXISTING**

Antennas shall be transferred to existing location:

**LIGHTING, MODULE EXTERIOR**

Reinstall all existing light bars, warning, scene, tail and marker lights. Replace defective bulbs as needed.

**LIGHT LENS, REPAIR OR REPLACE IF DAMAGED**

Clean and polish existing lenses, and replace where needed.

**LIGHTS, MARKER LED**

Install all new I.C.C. LED marker light assemblies on module.

**GROMMETS, REPAIR/REPLACE**

All grommets shall be inspected repaired or replaced.

**LIGHTS, MARKER/STEPWELL REPAIR/REPLACE AS NEEDED**

**BODY MOUNT**

Install new OEM frame to module separator cushions and mounting bolts as supplied with the chassis. Place module on chassis position and square with frame and cab. Secure tie down brackets and torque per specification. All holes for harnesses and hoses in module and cab are created, will be sealed with grommets and silicon to prevent any moisture.

**KICK PLATE & REAR STEP W/ FLIP UP, DIAMOND PLATE**

Transfer existing rear step bumper and kick plate.

**CHECK LATCHES FOR PROPER OPERATION**

Inspect entry door latches and repair/replace as needed.

**MODULE BODY, INSPECT**

Inspect all exposed structural framing, welds; tie down braces and gussets for cracks, warping, excessive wear, and corrosion. It is Vendors responsibility to notify customer of all necessary repairs and obtain approval of associated costs (if any) before completing repairs.

**FUEL FILL HOUSING**

The chassis manufacturer's fuel filler neck shall be extended to the side of the apparatus body where a recessed Cast Products aluminum housing shall be installed. The fuel line shall be properly secured and protected. It shall not be routed through the body compartments. Final installation shall meet FMVSS.

**FLOORING, MODULE INTERIOR**

The floor in the patient compartment shall be thoroughly inspected, cleaned, stripped and waxed before delivery.

**MODULE, CLEAN & SANTIIZE**

Thoroughly clean entire interior of module using industrial strength solvents.

**MOUNTS GOT, INSTALL OLD**

Existing cot mounts shall be re-installed in unit.

**SCREWS & RIVETS, REPLACE MISSING**

Interior cabinets shall be inspected for loose screws, rivets, and bolts. Missing shall be replaced.

**TRIM, EDGE REPLACE MISSING**

Replace any missing edge trim with similar type.

**PAINT, EXTERIOR**

Install existing bellline striping onto new chassis, to match existing design. Touch-up and buff module paint as needed.

The apparatus shall be delivered with a chassis owner's manual as supplied by the chassis manufacturer.

**BODY MANUFACTURER'S MANUAL(S)**

For maintenance purposes, the apparatus shall include a body manufacturer's owner's manual. It shall be permanently labeled with the body builders name on the outside cover for easy identification. The manual shall include the manufacturer's toll free number and contact persons for parts, service and warranty repairs.

The manual shall include the following paperwork as a minimum:

- 1) Specification breakdown for chassis and modular body; 5" x 8" paint chips of each color used (including code numbers and paint manufacturer)
- 2) Warranties on modular body, conversion, and warranty procedure claim forms
- 3) Chassis information as provided on chassis (line set ticket, pre-delivery receipts)
- 4) Individual component manuals/warranties
- 5) Quality control, electrical reports, weight slip
- 6) Wiring diagrams, circuit breaker panel layouts
- 7) Acceptance forms, copy of invoice, modular body MSO, 30-day temporary tag

**WIRING MANUAL(S)**

There shall be a complete set of wiring diagrams provided with the apparatus. It shall include color codes and functions of all electrical components installed by the body builder.

**NO SMOKING/FASTEN SEAT BELT LABEL**

"No Smoking / Fasten Seat Belt" shall be installed in cab and rear action area.

**FACTORY LIAISON/PROJECT COORDINATOR**

The successful bidder shall appoint a "project coordinator" to be the factory liaison during the course of the entire contract from the initial bid stages, through construction and final delivery. This person shall have reviewed this bid package in detail, prior to bid opening and shall be totally familiar with the specifications.

The coordinator shall be the purchasers' prime contact during the course of the contract. It is important to this agency that the coordinator be well experienced in the sales, remounting and refurbishment of ambulances.

The coordinator shall be a full time employee of the manufacturer and shall maintain normal business hours (40 hours, 5 days a week) at the manufacturer's facility. Coordinator shall monitor construction of the vehicle on a daily basis. He/she will notify the purchaser of any potential problems and will report progress on a regular basis.

**Project Coordinator: (Name/Position)**

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**Number of Years Experience with Rescue Vehicles:**

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**Number of Years Employed By Manufacturer:**

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**Total Successful Projects (Vehicles) Handled with Current Manufacturer:**

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**Hours/Days a Week Coordinator is Available at Factory:**

Manufacturer will notify this agency in writing of any personnel change that will affect the status of Project Coordinator, as it is not desirable for this agency to be shuffled from one person to another. Any replacement for coordinator shall have equal or more experience as original person.

**LOCAL DEALER/REPRESENTATION**

The manufacturer's representative shall provide the purchaser with local service. The local representative shall be knowledgeable on the product, and assist with inspections and delivery of the apparatus. It is not the intention of this agency to purchase a vehicle from a manufacturer that does not have local service or representation. Provide name, street address, city and state, as well as 24 hour phone and fax number.

**ENGINEERING/PRE-CONSTRUCTION REVIEW**

An engineering/pre-construction review shall be held to discuss all facets of the specifications and drawings. Engineering shall provide updated production drawings to the purchaser. Manufacturer shall not commence construction of the apparatus without written approval of the production drawings from the purchaser.

**PRE-DELIVERY/DETAILING**

The completed apparatus shall be *thoroughly* cleaned and polished prior to delivery and acceptance. In addition, the apparatus shall be delivered with a full tank of fuel.

**DELIVERY STIPULATIONS:** Delivery shall not exceed (95) business days upon receipt of vehicles to be remounted. Bidder shall provide a replacement/loaner unit during the remount process.