

# Electrolab Type II Ambulance



## Construction

**High Ceiling:** From fiberglass supported by 4 inverted U steel tubes connected to the chassis, and lined with suitable tropical insulation.

**Central Air Conditioning Duct:** ending with 5 outlets to ensure uniform air distribution

**Patient Compartment Ventilation:** 2-speed exhaust fan

**Partition:** between driver and patient compartment from fiberglass reinforced safe sliding door operable only from the driver's side.

**Intercom:** between both compartments.

**Paint:** Ambulance painted by anti-corrosion paint. Final Color and logos according to customer's instructions

**Steps at Rear:** to help the crew load the stretcher

**Flooring:** A marine plywood sub floor applied to the entire area and cemented to the van's corrugated floor to ensure that all cavities are filled up to prevent retaining any fluid.

Thick rubber material is fixed to the floor with 7 cm roll up at sidewalls.

**Overhead Stainless Steel Grab Bars** installed on the starboard side to the right of the ceiling lights in the patient compartment.

**Durable Arabic Labels:** "NO SMOKING", "FASTEN SEAT BELT", "STORAGE SPACE" etc.

## Optional Features

**Automatic Engine Speed Controller:** to guaranty the optimum performance of various systems & battery charging when the ambulance is stopped.

## Warning Systems

**Warning Lights:** installed at all corners of the front, back & sides of the roof- AMBER & BLUE rectangular identical units-installed on a rust proof chrome base.

**White Lighting:** at the, middle of both sides of the roof

**Warning Light Bar:** low drag coefficient, at the top front of the roof containing four lighting source (8 lamps) reflecting halogen flashing rotating lights (Red – Red – White – Blue).

**Controller:** through 3 switches from the driver's cabin.

**Microphone and Multi Tone Siren:** for crowd control (Whelen)

**Warning Lights at Control Panel:** in the driver's compartment if any of the connections or batteries malfunction to control all electrical equipment and systems.

**Control Panel at Patient Compartment:** to control all lights, systems, A/C and exhaust fan.

**Patient Condition Indicator:** in driver's compartment with three indication lamps (Red – Yellow- Green) to be operated from inside the patient compartment.

## Lighting and Electricity

**Driver Compartment:** Spotlight (75,000) candlepower, 0.5 meters flexible lead hardwired into the dash.

**Patient Compartment:** High intensity heatless roof lighting above the patient bed.

**Rust Proof Base:** for easy maintenance.

**High Intensity Heatless Lighting System:** to cover the whole compartment, distributed uniformly

**Lighting System:** works automatically when side or rear door is open.

**Lighting:** controlled from the patient compartment working area.

**Selector Switch:** provided under the driver's seat.

**Wiring:** High temperature wiring.

**Color coded** and labeled

**Two Layer** fibber and metal protection

**Terminals** away from oxygen cylinder and exhaust.

**Point-to-Point:** wiring without splices, with machine crimped connectors.

**Wiring Diagram:** provided with each vehicle

## Optional Features

**110/220 Volt Inverter:** not less than 5 kW in working area & means to connect the vehicle to external AC current from outside to charge the equipment batteries when engine is off.

**Two Extra Batteries:** provided in a drawer to the right of the driver accessible and lockable from outside the vehicle

## Patient Compartment Furniture and Cabinets

**Cabinets:** Fiberglass (4mm thickness) with transparent, lockable, easily opened sliding doors.

**Ceiling Mounted IV holders:** (Two) Capacity two bottles/each, foldaway storage when not in use.

**Files Box:** behind paramedic

## Oxygen System

**Main Oxygen Cylinder:** Size M with regulator and Y fitting to two oxygen outlets. Located in a locker in patient compartment

**Oxygen Piping:** suitable for a pressure of 50 psig.

**Oxygen Socket Outlets:** and regulators (type GEM10 terminals) installed, one in main patient area and one in CPR area.

**Regulators:** capable of controlling flow 0 to 15 L/min.

### Optional

**Portable Ventilator:** operated by oxygen pressure

## Medical Equipment

**Patient Stretcher:** A35

**Compartment Disposable Boxes:** for syringes & gloves (2 boxes)

## Other Optional Medical Equipment:

**Folding Stretcher:** type FERNO

**Maternity Kits:** two reusable sets

**Infant Incubator**

**Central Suction Device:** operated by car battery fixed in the working area. With two socket outlet and regulators, one in main patient area and one in CPR patient area.

**Suction Unit:** hand or foot operated

**Patient Immobilizer:** with straps to secure patient with back & neck injuries.

**Cervical Collars:** (two sets) in three adult sizes & three child sizes

**Multi Level Cot**

**Long Wooden Stretcher**

**Short Wooden Stretcher**

**Foldable Wheel Chair**

**Air Splints**

**Sterilization Unit**

**X-Ray Equipment**

## Safety Equipment

Spare tire

Tool box

## Chassis

Ford E-350 Super van

**Side CPR Seat:** from the rear of the side door to the back door, can be used for aiding another patient

**Storage Area:** in the area below the seat

**Two Parts:** pivoted together and equipped with hydraulic arms to prevent accidental movement.

### Optional

**Resuscitator** Oxygen Delivery System has all the basics for adult airway management (portable) complete with:

- Laryngoscope with Macintosh and miller blades (adult/child)
- Endo Tracheal tubes (6 sizes) adult/child
- Airways (several sizes)
- Sylette
- Magyl Forcecps
- Scissors

**Paramedical Bag:** containing all essential emergency equipment. (Stethoscope - mercury sphygmometer, tongue depressants, bandages, disinfectants etc...)

### Defibrillator I:

- Manual & Semi Automatic Mode Defibrillator
- Blood Pressure, Pulse, Respiratory rate and Pulse oxymeter measurement
- Pulse oxymeter with finger probe
- ECG Cardiac Monitoring screen with at least 3 levels
- D/C Shock monitoring/recording/printing capability

**Defibrillator II:** manual/portable/lightweight/battery operated with 3 level screen monitor, Data logging & printing.

**Vital Signs Monitor:** portable/battery operated/lightweight/water-proof/shock resistance with audio visual alarm/with printer, can measure the following:

- Invasive & Non-invasive pressure, automatic & manual.
- Pulse rate.
- Body Temperature
- Pulse Oximeter with finger probe

### Mobile Communication Facility

#### Lap Top

Fire extinguisher

Belts (for paramedic and additional patient seats)

**Chevrolet G-30** Extended Van.

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## ELECTROLAB

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