

## **TECHNICAL FEATURES AND SELLING POINTS** **MODEL 10510 TYPE II AMBULANCE SAVANNA LWB 2009**



### **AMBULANCE MODEL 10510 TYPE II**

The model 10510 Ambulance Vehicle is designed for transportation of up to two patients and can be equipped as a Rescue Ambulance. Chassis is a GMC Savanna cargo panel van, 155"WB

The Ambulance integration is done by RSME in Jeddah Saudi Arabia. The technology of the Ambulance integration conforms to the GCC Standard.

#### 1. Chassis specification

GMC Savanna model year 2009, 6.0 liter gasoline vortec engine, 8-cylinders, HP 402 @ 5600 rpm, 4 speed, automatic transmission with over drive , ABS breaks, heavy duty front and rear air condition. WB 393,70 cm, GVWR 3901 kg, fuel tank 117 liter, length 620.0 cm , width 209.7 cm, overall height 2.59 cm, head-room 1.80 cm.

## 2. Fully insulated and sound proof patient compartment

- The Model 10510 Ambulance have a thermal insulation on the walls, high roof, doors and floor.
- The rear wheel casings are additionally insulated against noise.

## 3. Fully furnished interior in the patient compartment



- The patient compartment is fully furnished with cover panels made of glass fiber plastic which have a smooth surface and are easy to clean.
- All joints and edges are watertight
- The panel components on ceiling, left wall, right wall and partition wall are built in and glued securely to the PVC covered plywood floor.
- The integration of cupboards for medical equipment is designed with cupboards made out of the same GVP material so it is a uniform interior which is easy to clean.
- In case of damage the GFP panels are easy to repair or to glue
- Behind the wall panels are integrated reinforcements made of plywood which allow additional equipment to be fixed to the walls
- All electric wires and oxygen supply are integrated behind the panels
- The partition wall is stabilized with a strong steel frame. The partition wall has a sliding window for communication and is covered with the GFP panels on both sides.

#### 4. Oxygen Supply & Suction System

- The 30 liter. Oxygen cylinder is mounted on the rear end of the patient compartment. The two holders are easy to open, the floor is reinforced with an additional aluminum plate under the cylinder to protect the PVC from damage.
- The piping system is completely integrated between the interior panels and the thermal insulation.
- There is one oxygen outlet in the side wall cupboard and another oxygen outlet is integrated, together with a flow meter, at opposite wall.
- There is a suction system inside wall cupboard, suction pump hidden while a suction bottle is mounted at operation area. the pump is operated from a switch integrated in the EMS console.

#### 5. Electrical System



- The electrical system of the Ambulance integration is based on a circuit card which is mounted in a upper locker component of the patient compartment. It provides a survey arrangement of 28 circuit breakers of the Ambulance electric power center.
- The wiring and cables are integrated behind the panels of the patient compartment.
- There are also 110-V or 220-V outlets in the patient compartment integrated in the side wall panels. 12-V plugs are made for a cigarette lighter, so they are locally available to fit many electrical appliances and instruments for use in and outside of the ambulance.

- A console for switches is located above the windscreen in the driver cabin, total 14 switches, 8-indicators
- Another console for switches is located on EMS board in patient compartment, total 15-switches.
- 2-Station intercom, one on driver dash-board and One on EMS board.
- Four fluorescent tube lights are integrated in the ceiling.
- An electricity ceiling fan (in/out) creates fresh air in the patient compartment, together with a sliding window in the side sliding door.
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- One 220 or 110 volt /1000 amp inverter/ battery charger is included with shore line and electric cable
- Patient status lights in driver and EMS red-yellow-green.



## 6. Folding bracket for infusion liquids

- A folding bracket for infusion liquids is integrated in the ceiling, it holds 2 infusion and secures them against swinging.

## 7. Storage compartments and cupboards

- There is a large storage component for scoop stretcher and vacuum mattress beside the stretcher. Two doors cover a vertical hole which can hold bulky equipment. On its top is a space to put smaller equipment, made with a edge component.
- One upper medical cupboard with twin doors for medicine, one bigger door for medical equipment like par example a suction pump and/or a medical device .
- A large storage compartment is also under the folding bench box. The bench box upholstery can be folded 180° degree. The resulting space is mostly used to attach a spare stretcher as a second stretcher. In this case the spare stretcher is stored under the bench box, but it takes only half the space of the storage compartment.

## 8. Seats

- There is a comfortable doctor's seat mounted on the floor at the patient's head. From here all the switches may be reached while sitting on the chair. The seat has a seat belt.
- A bench box is mounted on the side wall. Upholstery is foldable and there is a large storage component under the seat. The bench box comes with seat belts for 2 persons

## 9. Emergency alarm equipment Code 3 U.S made

The emergency alarm equipment consists of;

- Light bar with 10 red strobe lights and 100W loudspeaker.
- Siren amplifier, Yelp and Weil tones, horn connection
- Ambulance stripes around the car
- Logo according to customer's requirements
- (16) Halogen strobe warning lights on the elevated roof.



#### 10. EMS EMERGENCY MEDICAL EQUIPMENT

- The Ambulance is equipped with a Pensi platform model 20-21-00 for the main stretcher.
- The standard stretcher is a portable stretcher with a light and durable aluminum frame, mattress, belts and adjustable back rest and a wheeled trolley with folding legs. The stretcher trolley has two handles, 2000MA model 32-10-10 Pensi, Finland.
- The bench box has a second stretcher, (folding spare stretcher) Pensi emergency stretcher model 31-40-00 which can be stored in the bench box with wheel post.
- Pensi model 31-20-00 scoop stretcher with belts.
- Pensi model 41-10-00 stair chair with belts and wall support
- Matrix medical bag fully equipped , soft , orange color.
- Laerdall baxstrap back board with head immobilizer and straps



#### 11. ADDITIONAL OPTIONS AT EXTRA CHARGES

- Pensi Model 11-10-00 medical case fully equipped, aluminum
- Pensi model 22-51-00 hydraulic lifter
- Pensi model TL100/110/120 EMS splint, complete set
- Pensi model TP –225 EMS vacuum mattress, complete set
- Weinmann model accuvac basic mobile suction unit complete
- Cardiac science model power heart AED pro G3 defibrillator with disposable battery

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