



health

Department:
Health
REPUBLIC OF SOUTH AFRICA

NATIONAL TREASURY: REPUBLIC OF SOUTH AFRICA

EMERGENCY MEDICAL SERVICES

Cruiser Wagon Ambulance 4x4

EMS 002/2022

NOTE:

1. All materials used in the construction of the ambulance conversion are to meet SANAS/SABS standards.
2. Conversion is to be approved by the relevant End-User Department after a “prototype” has been inspected and approved.
3. Contractor must be an accredited ISO 9000 manufacturer.
4. All conversion aspects related workmanship must carry at least 36 months warranty.
5. Contractors to submit detailed project plan which should include midway inspection or at any time during production of each vehicle by the end user.
6. Sign off will depend on end user acceptance as per the prototype specification.

List of abbreviations

LHS –	Left Hand Side (passenger side)
RHS –	Right hand side (driver side)
OEM –	Original equipment manufacturer
GMAW –	Gas metal arc welding
GTAW -	Gas tungsten arc welding

AMBULANCE CONVERSION

The following conversion details the conversion of a Station Wagon to an Ambulance:

1. INTERIOR

All rear seats in the vehicle will be removed.

The entire rear floor will be covered and lined with a black polyurethane rubber lining to allow easy cleaning and optimum infection control.

The interior wall panels will be covered with polyurethane rubber lining up to window height.

Upholstery will be fitted to ensure a safe and comfortable interior.

2. INTERIOR FURNITURE

A Ferno Washington M26 self loading ambulance stretcher will be fitted to the left side of the vehicle on a steel frame and aluminium tray. Floor mounted brackets will be fitted.

A space to store a spine board will be available below the frame.

A Fold down Stainless Steel ramp will be provided to assist with stretcher handling.

A cabinet will be fitted to the left side of the vehicle over the wheelarch. The cabinet will extend up to window height and will incorporate shelves for medical equipment.

A bracket to accommodate a single 1.8kg Oxygen cylinder will be fitted at the front end of the cabinet.

A Heyer type oxygen wall outlet will be fitted in the vehicle.

A high pressure bullnose regulator, hosing and a single flowmeter will be supplied.

An upholstered attendant seat will be fitted behind the drivers position facing the rear. A lap belt will be supplied for crew safety. A storage space will be available below the seat.

Straps will be provided to secure a scoop stretcher along the drivers side wall of the vehicle.

3. IV HOLDERS

Two IV hooks will be fitted above the stretcher position.

4. INTERIOR LIGHTING

Two LED type interior lights will be fitted to the ceiling of the ambulance section.

A switch to activate the lights will be fitted to the drivers compartment.

5. EMERGENCY WARNING DEVICES

A 200 watt Siren / PA system will be fitted to the ambulance.

A full length red LED lightbar with red lenses will be fitted to the front roof of the ambulance.

A single LED flasher will be fitted to each side and two similar units will be fitted to the rear.

Two LED flashers will be fitted to the front grille of the vehicle.

6. FIRE EXTINGUISHER

A 1Kg DCP Fire extinguisher will be supplied and fitted to the ambulance.

7. WINDOW FROSTING

Two Third Frosting will be applied to the rear door and rear side windows of the vehicle.

8. EXTERIOR SIGNAGE

Exterior signage to match your corporate image will be applied to the vehicle exterior.

9. ELECTRICAL SYSTEM

All electrical devices will be wired using Automotive cable rated to the correct amperage. All circuits will be wired to fuses with adequate amperage rating for safety. All joins will be soldered and covered with heat shrink. Switches will be fitted in a switch box fitted to the drivers cab.

A 12 volt charge socket will be fitted on the cabinet.

10. INVERTER

A 1000 watt pure sine wave inverter will be fitted to the ambulance and wired to a single 3 pin plug in the patient compartment.

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