INSTRUCTIONS FOR USE

Developed by:
AUTO RIBEIRO, LDA.

CE

MONOBLOC

M7

IFU-MONOBLOC-M7-REV.02

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Customer Relations

For assistance with your order or general information:

Contacts

Auto Ribeiro, Lda. - Rua S. Caetano, 551
4410 - 494 Canelas
Vila Nova de Gaia, Portugal.

Phone: (+351) 227 157 100

Website: www.arequipment.com

Property Notification

Legal Notice

This manual contains general instructions for use, operation, and maintenance of the product, and is not exhaustive. Safe and correct use is the sole responsibility of the user.
The safety information is provided for guidance only, and it is the user's responsibility to comply with applicable standards and protocols.
It is essential to undergo appropriate training before using the product in a real-world context.
Keep this manual and ensure that it accompanies the product in case of transfer. Additional copies can be requested from Customer Support.

Limited Warranty Conditions

Auto Ribeiro's products are covered by a limited warranty, the terms and conditions of which are set out in the documentation provided at the time of purchase.
Full information about the warranty and its limitations can be requested directly from Auto Ribeiro Customer Service.

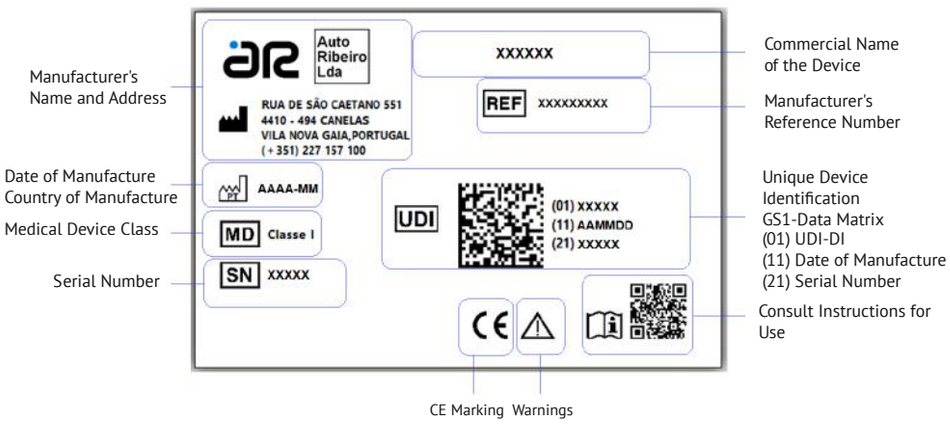
Adverse Reaction Warning

In the event of an adverse event or serious incident related to the use of this product, the user must report the incident to Auto Ribeiro and the competent authorities, in accordance with Regulation (EU) 2017/745 on medical devices.
To report directly to Auto Ribeiro, use the contact channels indicated in this manual.

Unique Device Identification

Auto Ribeiro complies with the requirements of Unique Device Identification (UDI), in accordance with European Union regulations, allowing for the clear identification of medical devices.
The UDI label contains information in human- and machine-readable formats and is affixed to the product as indicated in this manual.
Information about the device is recorded in the European Database of Medical Devices (EUDAMED) and the National Authority for Medicines and Health Products (INFARMED), accessible to competent authorities and end users, as applicable.

LABELING AND SYMBOL LEGEND



Symbol	Description
	Indicates the manufacturer of the medical device.
PT	Indicates the date and country in which the medical device was manufactured.
MD	Indicates that an item is a medical device.
SN	Indicates the manufacturer's serial number so that a medical device can be identified.
REF	Indicates the manufacturer's reference number so that the medical device can be identified.
UDI	Indicates a medium that contains information relating to the unique identification of the device.
CE	It means European technical conformity.
	Indicates that special attention is required when using the device or control located near where the symbol is placed, as the current situation requires the operator's attention or action in order to avoid undesirable consequences.
	Indicates that the user should consult the instructions for use.

Indications, Contraindications, and Target Groups

Transportation must always be carried out using all restraint systems supplied with the equipment. The load capacity must not be exceeded. Safety warnings are mentioned in the equipment's operating instructions and are also added in the form of a sticker on the device itself.

Target Patient Population and Clinical Condition to be Diagnosed

Patients in pre-hospital, hospital and ambulance transport. Applicable whenever the user considers that the patient and their clinical condition allow safe transport.

Installation, Maintenance, Assembly, and Calibration Instructions

Ensure that only components and services approved by Auto Ribeiro are used for maintenance and repairs. Also use only accessories approved by Auto Ribeiro, thus ensuring the safety and functionality of the product.
It is recommended that maintenance be carried out at the ARSII technical assistance service.

Contacts

ARService - Rua da Urtigueira, n.º 288 e 298
4410-304 Canelas,
Vila Nova de Gaia, Portugal.

Phone: (+351) 227 157 104
Mobile: (+351) 910 556 363

E-mail: geral@arservice2.com

Instructions for Safe Use

This device is intended for use by qualified operators who have been trained for this purpose. Its operation facilitates its operation, being adaptable to a wide range of vehicles.
The instructions for using the equipment must be read in full before use.

Expiration Date

It is estimated that the device's useful life will not exceed 10 years, as regulatory criteria are constantly updated, thus preventing the product from becoming obsolete. During its useful life, the maintenance and cleaning cycles defined in the instructions for use must be followed to safeguard and prevent failures.

Storage and Handling Conditions

It is packaged in such a way that its characteristics and performance during its intended use are not adversely affected during transport and storage.
Packaged in a cardboard box, covered with protective bubble wrap on the top surface, and sealed with metal staples.
This product is not affected by temperature or humidity variations.

Information about compatibility with other products

Description of accessories and other products that, although not devices, are intended to be used in combination with the device:

Reference	Commercial Name
M051013042	ERGONOMIC MATTRESS - F SERIES
M051013036	LBS MATTRESS
M051013037	LBS MATTRESS WITH FLAPS
M051005014PRT	PAEDIATRIC VEST
P012007038	IV SUPPORT
P012007033	IV SUPPORT
P012014113PRT	OXYGEN SUPPORT
F011006001PRTTX	EQUIPMENT TABLE
F001009002ACP	LBS STRETCHER
K200999005	BELTS
K200999020	BELTS

Compatible fastening devices: E250, E250BB, E250F, E300, A150, A150F, A200.

SAFETY RECOMMENDATIONS

NOTICE

Important Safety Guidelines

Follow the instructions provided to ensure safe operation.

Risk of falling at the same level – Take special care when handling the equipment, considering the risk of falling inside the vehicle.

Risk of falling at different levels – Take special care when handling the equipment, considering the risk of falling from inside to outside the vehicle.

Risk of collision with moving objects – Perform regular maintenance to reduce and/or eliminate risks arising from parts with significant wear or looseness.

Risk of overload or strain on the operator – Perform periodic maintenance to minimize excessive strain during operation.

Biological risks – Clean regularly to reduce the risk of contamination.

The use of unauthorized parts or services may cause accidents or equipment failure.

Ensure that only components and services approved by Auto Ribeiro are used for maintenance and repairs. Also, use only accessories approved by Auto Ribeiro, thus ensuring the safety and functionality of the product.

The operator must have experience in using the stretcher and basic first aid knowledge. During use, you must strictly follow the instructions; otherwise, the company is not responsible for any risks.

Warnings indicate potentially dangerous situations.

When unloading the ambulance stretcher, it must be placed on level ground. To ensure safety, the legs of the wheels must be fully extended in the air before the wheels leave the vehicle, avoiding falls and injuries to the patient when landing on the stretcher.

Illegal or incorrect operation as well as overloading is strictly prohibited to avoid damage caused by improper use of the stretcher.

If the bolts and nuts of the stretcher are loose, they must be tightened in time and lubricated when necessary.

Disinfection / Cleaning

Use detergents/disinfectants that are compatible with aluminum, stainless steel, and rubber.

When cleaning, carefully check the concentration recommended by the manufacturer to avoid damage to the equipment materials.

Rinse with a limited amount of water, dry as much as possible, and lubricate the guides, bars, and sliding parts.

If the equipment is used in aggressive environments (e.g., saline environments), daily washing and lubrication cycles are recommended to protect exposed parts.

The manufacturer is not responsible for damage caused by the use of inappropriate cleaning products that may deteriorate surface materials.

NOTIFICATION

Notifications highlight important information that is not related to risks.

INTENDED PURPOSE OF THE DEVICE

The product was designed to load and transport patients with the least possible effort in pre-hospital, hospital and ambulance transport.

STANDARDS APPLIED

EN 1865-1: Patient handling equipment used in road ambulances.
Specification for general stretcher systems and patient handling equipment.

EN 1789: Medical vehicles and related equipment – Road ambulances.

M7

MONOBLOC

M7 MONOBLOC

About

The M7 monobloc, with 4 parts, is equipment with a fixed stretcher and manually operated. This product is fully developed and produced by Auto Ribeiro.

Its structure was developed from scratch, entirely made of high-strength aluminum alloy. Likewise, the aluminum profiles were designed taking into account their mechanical resistance and final appearance, being produced exclusively for Auto Ribeiro.

It is distinguished by its robustness, versatility and quality of final finish.

It is a piece of equipment with 4 rotating wheels, with front locking/unlocking, which allows for greater ease of maneuvering in limited space environments, such as hospital corridors.

Technical Characteristics

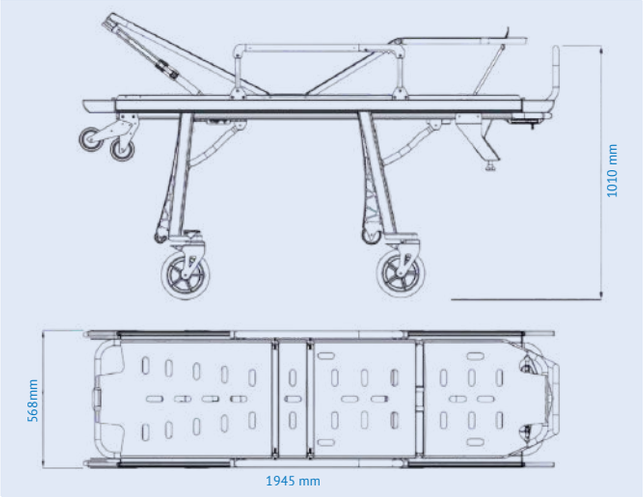
- Aluminum structure;
- 4 telescopic handles;
- 4 swivel wheels with 200 mm diameter;
- Adjustable backrest with eight positions;
- Footrest adjustable to three positions;
- The legs fold independently during the unloading process, opening automatically;
- Protection against uncontrolled bending of the legs during transport;
- Adjustable height at different levels for transport and rescue operations.
- H50/H56 - 5 horizontal positions
- H69 - 4 horizontal positions and several combined positions

Weight (without accessories): 45 kg
Maximum Load Capacity: 250 kg
Dimensions (closed): 1945 x 568 x 480 mm
Dimensions (open): 1945 x 568 x 1010 mm

Warranty: 2 years

Different Configurations/Variants

Reference	Commercial Name	UDI-DI
F005051001ACCB	MONOBLOC M7	05600857500019
F005051003ACCB	MONOBLOC M7	05600857500026
F005051005ACCB	MONOBLOC M7	05600857500033
F005051002ACCB	MONOBLOC M7	05600857500040
F005051004ACCB	MONOBLOC M7	05600857500057
F005052001ACCB	MONOBLOC M7	05600857500064
F005064001ACCB	MONOBLOC M7	05600857500071
F005068001ACCB	MONOBLOC M7	05600857500088



ACCESSORIES

1.1 IV support

1.2 Instruments tray

1.3 LBS

1.4 Ergonomic mattress

ACCESSORIES

1.5

Pediatric vest

CAM system

1.6

ACCESSORIES

Fastening belts

1.7

1.º – Tie the safety tapes to the internal bars.

2.º – Pass the safety tapes between the mattress grooves.

3.º – Fasten your seat belt.

ACCESSORIES

Pillow

1.8

1.º - Pass the strap through the mattress slots.

2.º - Join the two sides of the velcro.

COMPATIBLE FIXING SYSTEMS

1.1

E250

E300

1.2

1.3

A150

A200

1.4

FRONT LEG CONTROL (INTERMEDIATE POSITION)

Wheels

4 swivel wheels

Two swivel wheel block:
1.º - Engage the paddles with your foot to lock the wheels.

REAR LEG CONTROL

1.º - Press the left lever until it moves and keep it pressed.

FRONT LEG CONTROL

1.º - Press the right lever until it moves and keep it pressed.

ADJUSTABLE LEG SUPPORT

Position with footrest

Leg elevation

TELESCOPIC HANDLES

1.º – Press the button with your finger.

2.º – Push or pull to achieve desired length.

FOLDABLE SIDE SUPPORT

1.º – Press the button by hand.

2.º – Push or pull to reach the open position.

Crushing hazard

FOLDING HEADBOARD

It is possible to adjust the headboard panel in different positions.

1.º – Press the red lever.
2.º – Pull or push the headboard panel to achieve the desired position.

MAINTENANCE

- The equipment requires regular maintenance to maintain correct operation;
- You must follow a regular maintenance plan to avoid failures;
- Keep maintenance records for your equipment;
- Use original replacement parts recommended by your manufacturer;
- Read the manufacturer's safety data for each product.

The following table presents recommended minimum maintenance intervals for your equipment.

Disinfection	Cleaning	Inspection	Lubrication
After each use	After each use When necessary	3 months	3 months

LUBRICATION

- Clean and disinfect equipment before lubricating;
- Clean the slide guides using a soft cloth to remove lubricant and residue (before lubricating);
- Lubricate the mechanical elements with high viscosity lubricant;
- Only lubricate the points recommended by the supplier without applying excessive amounts.

CHECKLIST

- Check that all components are in the equipment;
- Check for any excessive or abnormal wear;
- Check that all screws, nuts, bolts, rivets and springs are in the equipment;
- Check that all moving and rotating parts are operating smoothly;
- Check that the stretcher moves smoothly;
- Check the wheels for abnormal wear;
- Check that the extendable handles work correctly;
- Check that the equipment has the belts installed correctly;
- Check that the belts are in good condition, without cuts or scratches;
- Check that the belt fittings work correctly;
- Check whether the equipment is being used in an Auto Ribeiro fastener;
- Check if the equipment has abnormal gaps in the area where it fits into the ambulance fastener;
- Check that the equipment has all the necessary accessories.

Do not use water jets.
Do not use detergents/disinfectants containing sodium hypochlorite as a component for cleaning.

DISINFECTION/CLEANING

1. Disinfection/Cleaning of belts
- Remove the equipment belts;
- Clean and disinfect the belts with a compatible detergent/disinfectant according to the concentration indications suggested by the manufacturer;
- Clean with a small amount of warm water, dry as much as possible and reapply to the equipment as indicated in the instruction manual.

2. Disinfection/Cleaning of the mattress
- Remove the mattress from the equipment;
- Clean and disinfect the mattress with a compatible detergent/disinfectant and according to the concentration indications suggested by the manufacturer;
- Clean with a small amount of warm water, dry as much as possible and reapply to the equipment.

3. Disinfection/Cleaning of equipment (Each use)
- Use detergent/disinfectant compatible with aluminum, stainless steel and rubber;
- To clean, carefully check the concentration suggested by the manufacturer on the product, to avoid damaging the equipment (note: first test the product in a non-visible area and check if it causes damage);
- Clean with a small amount of warm water, dry as much as possible and lubricate the guides, bars and sliding parts;
- If operating in an aggressive environment (e.g. saline environment), daily cleaning/lubrication of the equipment is recommended to protect exposed parts;
- The manufacturer is not responsible for any damage caused by the use of a cleaning product that may damage the surface material;
- Do not use any type of solvent or diluent to clean the equipment.

4. Inspection
- A regular inspection plan must be followed to avoid equipment failures, so as not to put patient and operator safety at risk;
- It is necessary to check the parts used for immobilization purposes;
- Checking the tightness of the connection elements. Make adjustments if necessary.

5. Lubrication
- Clean and disinfect equipment before lubricating;
- Clean the slide guides using a soft cloth to remove lubricant and residue (before lubricating);
- Lubricate the mechanical elements with high viscosity lubricant;
- Only lubricate the points recommended by the supplier without applying excessive amounts.

Do not use water jets.
Do not use detergents/disinfectants containing sodium hypochlorite as a component for cleaning.

WARNINGS OR PRECAUTIONS TO BE TAKEN FOR THE SAFE DISPOSAL OF THE DEVICE

This device contains materials that must be disposed of in accordance with applicable local environmental regulations. Incorrect disposal may pose risks to public health and the environment.

Specific instructions:

1. **Separation of components**
   - **Before disposal, separate the main materials:**
     - Metal frame (aluminum);
     - Rubber and plastic components;
     - Canvas.

   - **Recycling and reuse**
     - Whenever possible, send metal components (aluminum) to authorized recycling centers;
     - Plastic and rubber components may have specific solutions for energy recovery or recycling.

Do not delete:

Do not dispose of this device in household or unsorted waste. The end user is responsible for ensuring safe disposal through authorized operators.

Device disposal:

This device consists of a metal frame (aluminum), rubber components, plastic, and canvas.
At the end of its useful life, disposal must be carried out by separating the components by type of material and sending them to duly licensed waste management operators.
The metal frame must be recycled as aluminum scrap.
The canvas should be treated as non-hazardous waste, but should be sent for disposal in accordance with guidelines for hospital or contaminated waste.
Do not dispose of with household waste. Improper disposal may endanger public health and the environment.
For more information, consult the applicable legislation in force or contact the manufacturer.

TRAINING REGISTRATION

DATE	TRAINING COMPLETED	NAME

MAINTENANCE REGISTRATION

DATE	MAINTENANCE PERFORMED	NAME

MAINTENANCE REGISTRATION

DATE	MAINTENANCE PERFORMED	NAME

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