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INSTRUCTIONS MANUAL

JUPITER TG -880 CART JUPITER MTR -120 STRETCHER



*Read these maintenance instructions
before using the product and keep them
for future reference.*





OPERATION AND HANDLING OF CART TG-880 WITH STRETCHER MTR-120 JUPITER

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OPERATION AND HANDLING OF CART TG-880 WITH STRETCHER MTR-120 JUPITER

1.- INTRODUCTION

1.1.- Foreword

Stretcher-cart TG-880 and MTR-120 JUPITER has been specifically designed for rescuing and transporting patients. Stretcher-cart TG-880 and MTR-120 JUPITER is comprised of two components:

- Cart TG-880 JUPITER
- Stretcher MTR-120 JUPITER

Cart TG-880 as well as stretcher MTR-120 have been tested in accordance with standard UNE-EN 1865 and UNE-EN 1789.

All information regarding treatment, disinfection and maintenance is indicated, taking into consideration our current experience and know-how. The drawings are not on a 1:1 scale.

We reserve the right to change the specifications of the stretcher to improve the products.

1.2.- Responsibility and warranty

The cart and stretcher must be inspected upon delivery to the rescue organization. All its functions must be explained in great detail. The assistance organisation must take charge of teaching all its employees how to use it correctly.

The product has a 24-months warranty from the delivery date to the end user (see the terms and conditions la Garantía and the Warranty Certificate which is supplied with the product).

La Garantía will not cover the fault if that fault is due to incorrect installation, mistreatment or improper use of the stretcher. All repairs must be made by a technical service authorised by Kartsana or its respective representative.

The manufacturer will not be liable for any damage to the stretcher-cart due to using any products other than original Kartsana products.

Other warranty clauses, see the la Garantía Terms and that are supplied with the product.

1.3.- Specifications

MODEL	TG-880 + MTR-120
<i>Maximum load</i>	<i>250 Kg.</i>
<i>Standards</i>	<i>UNE-EN-1865-3 EN-1789+A1</i>
<i>Total length (non-extended / extended)</i>	<i>1962/ 2261 mm</i>
<i>Total Width</i>	<i>575 mm</i>
<i>Loading Height</i>	<i>699 mm</i>
<i>Weight</i>	<i>51,3 Kg</i>
<i>Minimum operators required for an occupied / unoccupied stretcher</i>	<i>2 / 1</i>
<i>Compatible fixation systems</i>	<i>R-450 N / R-419 L y R-800 L</i>

1.4.- Attention



Through this sign, information is furnished on important safety measures for the correct use of the stretcher, in order to prevent accidents. The **warnings** alerts the reader about a situation which, if not avoided, could result in death or serious injury. The **cautions** alerts the reader of a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.



1.5.- Summary of safety precautions

Carefully read and strictly follow the warnings and cautions listed on these pages. Service only by qualified personnel.

WARNINGS:



- Improper usage of the stretcher can cause injury to the patient or operator. Operate the stretcher only as described in this manual.

- Do not modify the stretcher or any components of the stretcher. Modifying the product can cause unpredictable operation resulting in injury to the patient or operator. Modifying the product also voids its warranty.

- Any emergency vehicle to be used with this stretcher must have the compatible fixation system installed.



- Have the vehicle safety rail compatible installed by a certified mechanic. Improper rail installation can cause injury to the patient or operator and/or damage to the stretcher. Verify that the stretcher legs lock into the load position before without contact with the fender of the vehicle. Failure to properly lock the stretcher height into position can cause injury to the patient or operator and/or damage to the stretcher

- Practice changing height positions and loading the stretcher until operation of the product is fully understood. Improper use can cause injury.

- Do not allow untrained assistants to assist in the operation of the stretcher. Untrained technicians/assistants can cause injury to the patient or themselves.

- Grasping the stretcher improperly can cause injury. Keep hands, fingers and feet away from moving parts. To avoid injury, use extreme caution when placing your hands and feet near the base tubes while raising and lowering the stretcher.

- Always use all restraint straps to secure the patient on the stretcher. An unrestrained patient may fall from the stretcher and be injured.

- Never leave a patient unattended on the stretcher or injury could result. Hold the stretcher securely while a patient is on the product.

- Side rails are not intended to serve as a patient restraint device.

- High obstacles such as curbing, steps or rough terrain can cause the stretcher to tip, possibly causing injury to the patient or operator.

- TG-880 series is designed to be compatible with Kartsana models R-450 N, R-419 L and R-800L, and is operator responsibility that these products work together.

- Two operators must be present when the stretcher is occupied.

- Operators must be able to lift the total weight of the patient, stretcher and any items on the stretcher.

- Never install or use a wheel lock on a stretcher with excessively worn wheels. Installing or using a wheel lock on a wheel with less than a 200mm diameter could compromise the holding ability of the wheel lock, possibly resulting in injury to the patient or operator and/or damage to the stretcher or other equipment.

- When cleaning, use any appropriate personal safety equipment (goggles, respirator, etc.) to avoid the risk of inhaling contagion.

- Some cleaning products are corrosive in nature and may cause damage to the product if used improperly. If the products described above are used to clean Kartsana equipment, measures must be taken to ensure the stretchers are wiped with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the stretchers will leave a corrosive residue on the surface of the stretchers, possibly causing premature corrosion of critical components.

- Failure to properly clean or dispose of contaminated mattress or other stretcher components will increase the risk of bloodborne pathogens and may cause injury to the patient or operator.

CAUTIONS:



- Changes or modifications to the unit not expressly approved by Kartsana could void the user's authority to operate the system.

- Installation of the safety hook should be done by a certified mechanic familiar with ambulance vehicle construction. Consult the vehicle manufacturer before installing the safety hook and be sure that the installation of the safety hook does not damage or interfere with the brake lines, oxygen lines, fuel lines, fuel tank or electrical wiring of the vehicle.



- Before operating the stretcher, clear any obstacles that may interfere and cause injury to the operator or patient.

- When unloading the stretcher from the patient compartment, ensure that the caster wheels are safely set on the ground or damage to the product may occur.

- Wheel lock(s) are only intended to help prevent the stretcher from rolling while unattended and to aid in patient transfer. A wheel lock may not provide sufficient resistance on all surfaces or under loads.

- Ensure that the restraints are not entangled in the base frame when raising and lowering the stretcher.

- Do not store items under the stretcher mattress. Storing items under the mattress can interfere with the operation of the stretcher.

- Do not steam clean or ultrasonically clean the unit.

- Maximum water temperature should not exceed 80°C.

- Allow stretcher to air dry.

- Towel dry all casters and interface points.

- Failure to comply with these instructions may invalidate any/all warranties.

- Improper maintenance can cause injury or damage to the product. Maintain the stretcher as described in this manual. Use only Kartsana approved parts and maintenance procedures. Using unapproved parts and procedures could cause unpredictable operation and/or injury and will void the product warranty

- Failure to use authorized parts, lubricants, etc. could cause damage to the stretcher and will void the warranty of the product.

NOTES:



- Loose items or debris on the patient compartment floor can interfere with the operation of the safety hook and stretcher fastener. Keep the patient compartment floor clear

- This manual should be considered a permanent part of the stretcher and should remain with the product even if the stretcher is subsequently sold.



- Kartsana continually seeks advancements in product design and quality. Therefore, while this manual contains the most current product information available at the time of printing, there may be minor discrepancies between your stretcher and this manual

- Kartsana recommends that, prior to installation, the certified mechanic plan the placement of the safety hook in the rear of the vehicle.

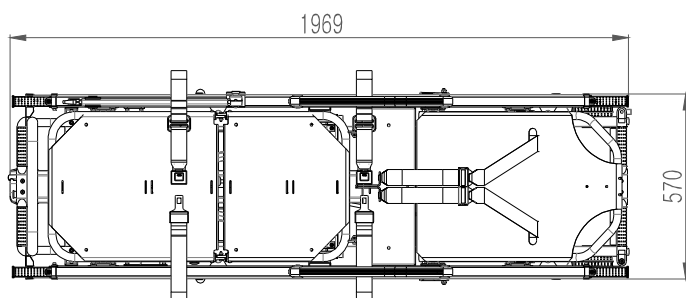
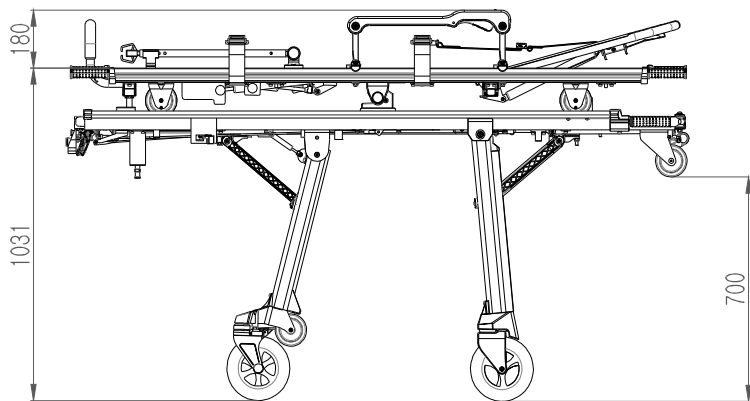
2.- INSTRUCTIONS MANUAL

2.1.- Instructions manual for cart TG-880 with stretcher MTR-120

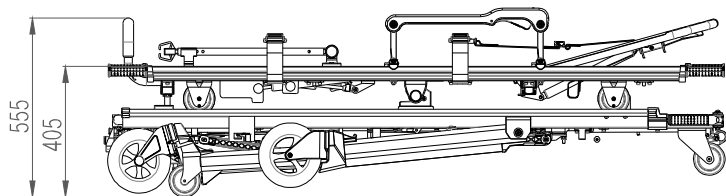
2.1.1.- Technical characteristics

Weight of the stretcher+cart:: 51.3 kg.

Dimensions of the stretcher-cart: Elevation in mm



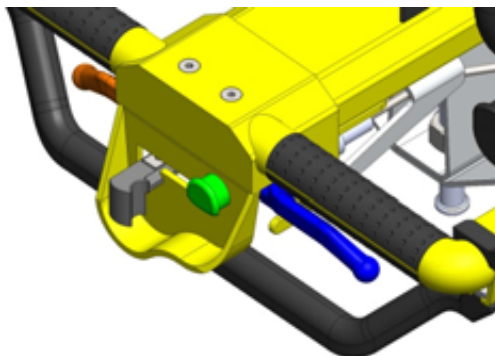
FOLDED LEGS



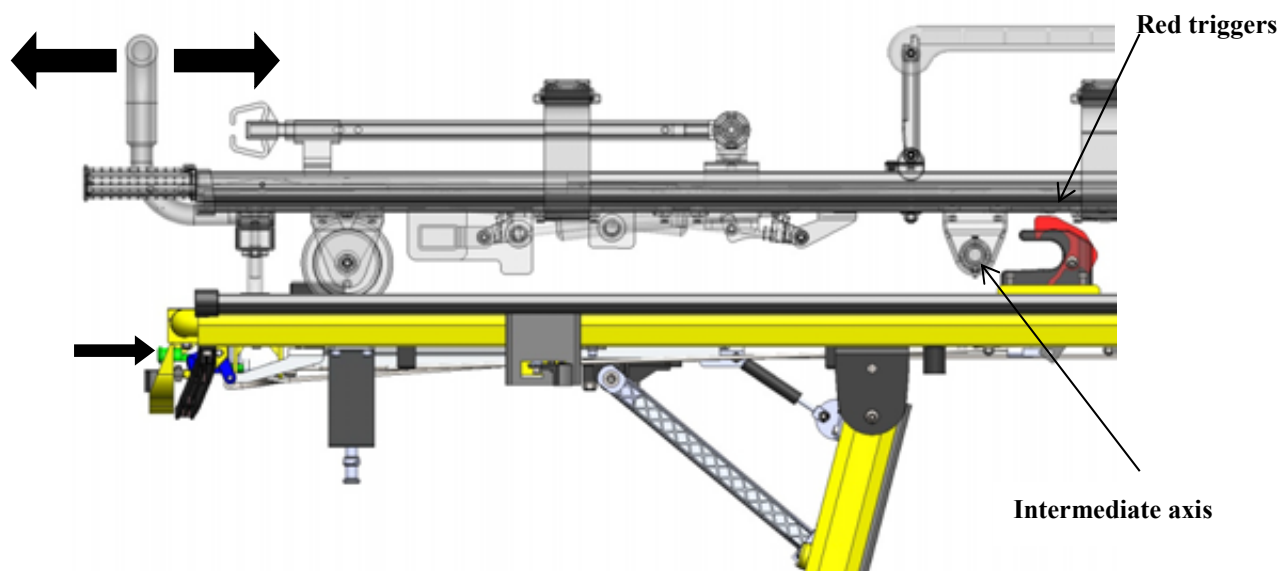
2.1.2.- Unlocking/locking mode for the stretcher to the cart.

Prior to unlocking or locking the stretcher to the cart, the cart wheel brakes must be set (see paragraph 2.3.4. in this manual).

To unlock the stretcher, the green button must be pressed as indicated in the figure, and while the button is kept pressed, the stretcher must be pulled from front to back. When the intermediate axis is released from the triggers, then the stretcher can be separated from the cart.



To lock the stretcher it must be placed on the rear end of the long section's wings of cart TG-880. Once the stretcher is properly supported on the cart, it is locked by sliding the stretcher from back to front until the red hook locks the stretcher's intermediate axis.



2.2.- Instructions manual for stretcher series MTR-120



Make sure that no damage is caused to the areas containing the stretcher mechanisms, to prevent them from malfunctioning.

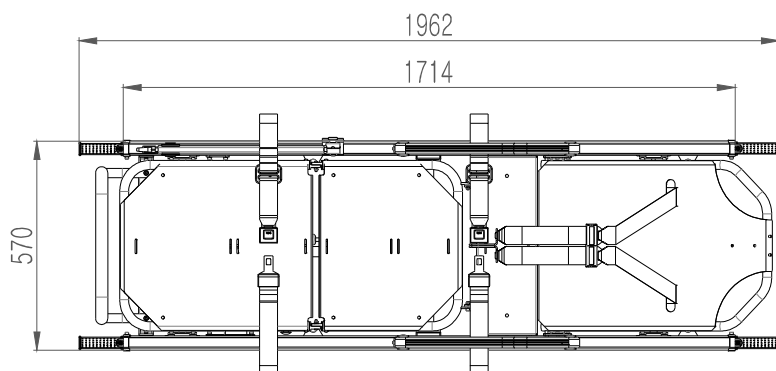
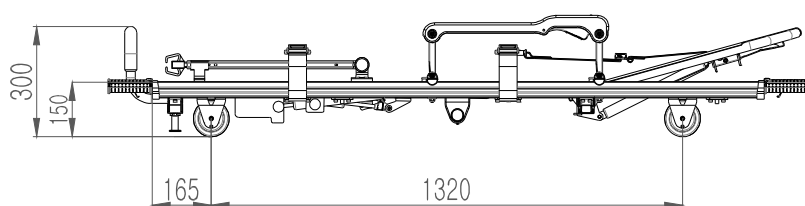
2.2.1.- Technical characteristics



Approximate weight of stretcher MT-120: 18.5 Kg.

Maximum load permitted: 250 Kg

Approximate measurements of the stretcher (in mm.) based on the drawing below.



Note: The front part of the stretcher corresponds to the head part.

2.2.2.- Operating and handling the stretcher



To reduce the risk of injuries to the patient and accompanying persons in the event of an accident, it is advisable to avoid sharp edges and projecting parts inside the ambulance, paying special attention to the areas nearest the stretcher. To prevent injuries to limbs and other body parts, make sure they are not within the range of the moving parts of the stretcher.

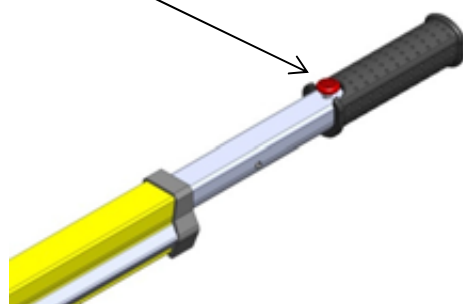
2.2.2.1.- Removable cuffs

- **Removable end grips**

To remove the 4 grips from the ends, press the button located on the top of the grip, and then pull on the grip to extend its length until it reaches the stop.

To return the cuff to its original position, press the top button again and push it as far as it will go in the original position.

Top button

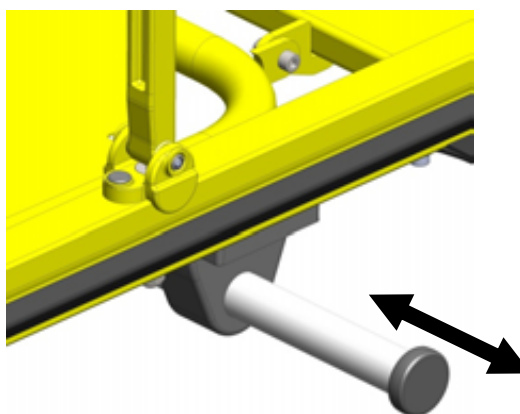


The top adhesive on the part of the stretcher shown in the drawing on the left indicates how to manipulate the cuff in order to extend it..

- **Intermediate removable grips**

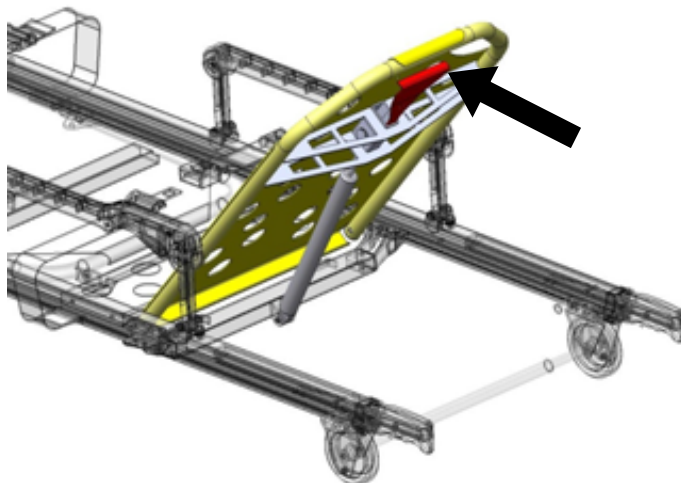
To remove the 2 intermediate grips, directly pull on its black knob until it reaches the stop.

To return the grip to its original position, push in the black knob to the mechanical stop: a spring system maintains these grips in that position.



2.2.2.2.- Adjustable reclining headrest

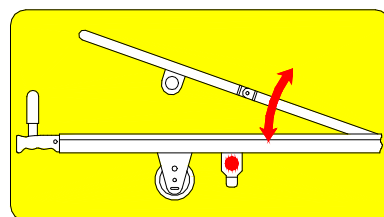
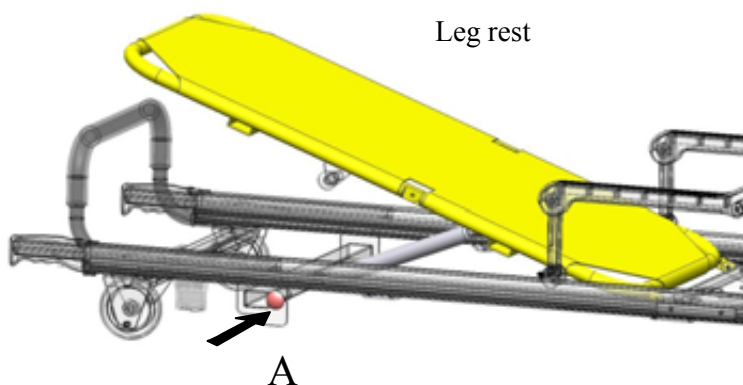
Apply the lever below the headrest and move it to the required position. Then release the lever so that the headrest is locked in the required position.



2.2.2.3.- Adjustable leg rest

- Button for adjusting the leg inclination

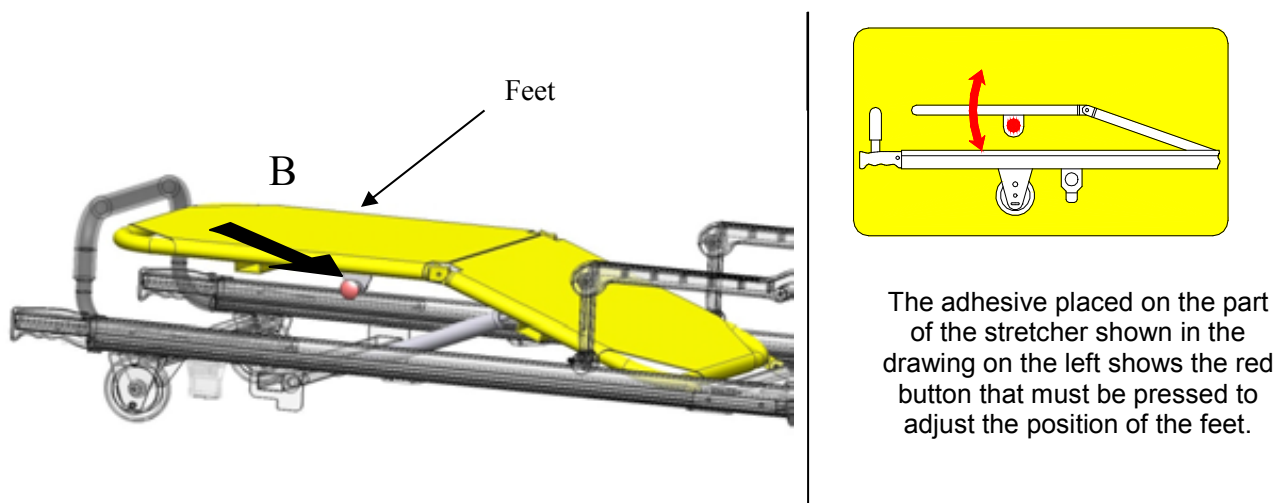
The required inclination of the leg rest can be obtained by pressing button A and moving the leg rest manually. Once the correct inclination has been reached, release button A to automatically lock the leg rest.



The adhesive on the part of the stretcher shown in the drawing on the left indicates the red button that must be pressed to adjust the position of the legs.

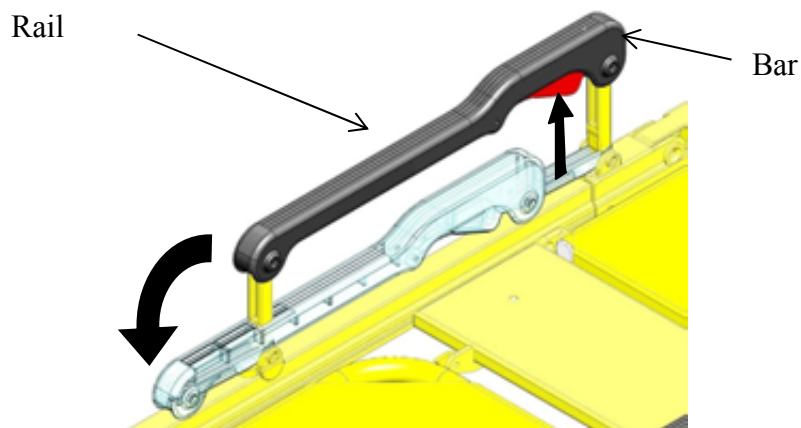
- **Button for adjusting the foot inclination**

Press button B to change the feet inclination to the required position without changing the inclination of the legs, moving it only in the direction shown in the figure below and releasing it once the desired inclination is obtained.



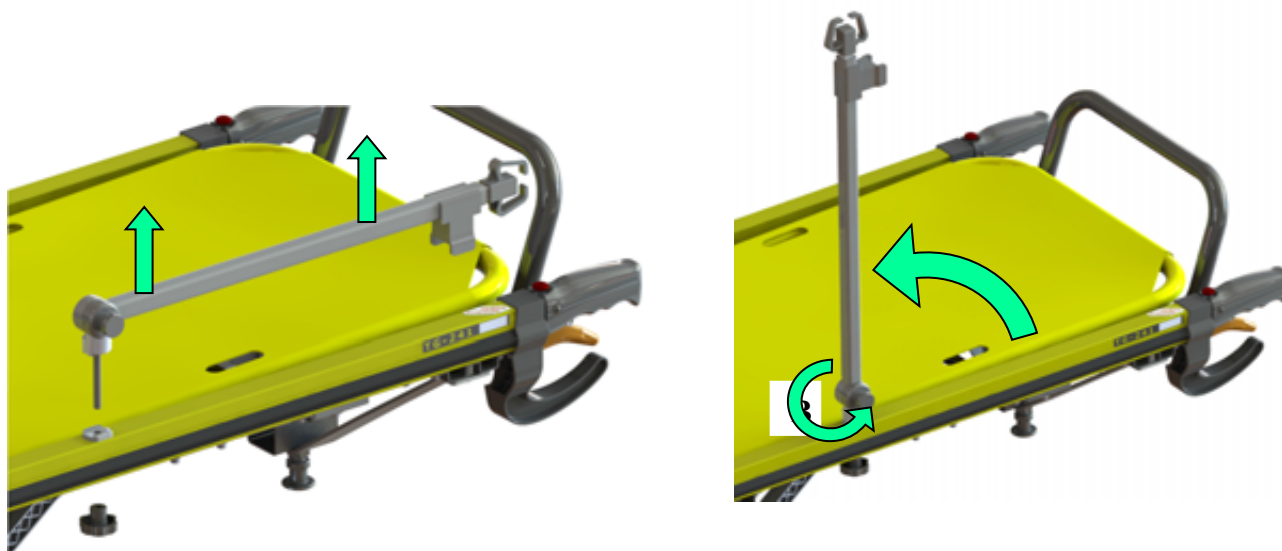
2.2.2.4.- Safety rail

The safety rail has a red bar that locks the rail into place. To lower the rail, just press the bar as shown in the figure below. To lock it in the safety position again, move it to that position manually, and it will automatically lock into place.



2.2.2.5.- Intravenous drip stand.

The stretcher comes with a drip holder located on the left hand side. Using trigger “A” located at the bottom, the entire drip stand assembly is fastened to the side profile where desired. Unscrewing the silver knob “B” we lift the drip stand section to the vertical position perpendicular to the stretcher, then we twist the knob again.



The length of said drip pole may be lengthened or shortened pressing a small positioner located on the inner side, raising the hook until the upper position is reached.

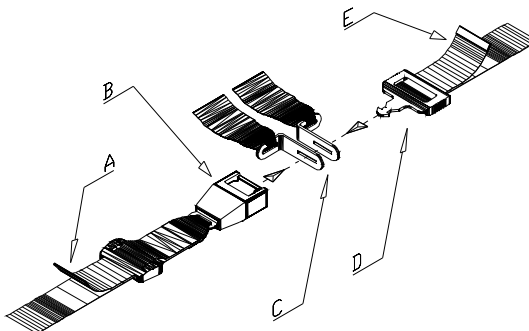


The maximum load allowed for the drip pole is 6 Kg.

PESO MÁXIMO:
6 Kg
MAXIMUM LOAD:

The maximum weight is indicated on the drip rod by an adhesive like the one shown above.

2.2.2.6.- Method for fastening the safety belts on the patient's head and feet.



Place the clasps (C) in the position shown in the figure above. Pass the male part of the buckle (D) between the openings (C) until it is inserted into the female part B. Once the assembly is anchored in place, centre and tauten the assembly, adjusting the tension of the belt at ends A and/or E. (In the feet belt the C fasteners do not show).

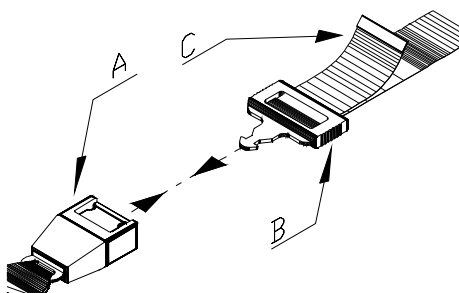
2.2.2.7.- Method for fastening the safety belt on the patient's stomach



It is advisable for this belt to be attached to the stretcher to ensure the complete safety of the patients and guarantee compliance with the UNE-EN 1865 standard test that is performed.



Put the female part of the buckle A and male part B in the position shown in the figure below and insert the latter into the slot in the former. Once the assembly is firmly secured, centre and tauten it, adjusting the tension of the belt at end C.



It is advisable to ensure that while the patient is on the stretcher, he/she is secured at all times by the safety belts.

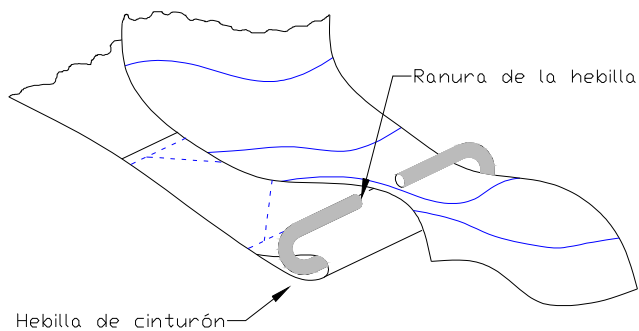


2.2.2.8.- Dismantling-assembly of the stretcher belts.

There are two different types of anchoring for the stretcher belts:

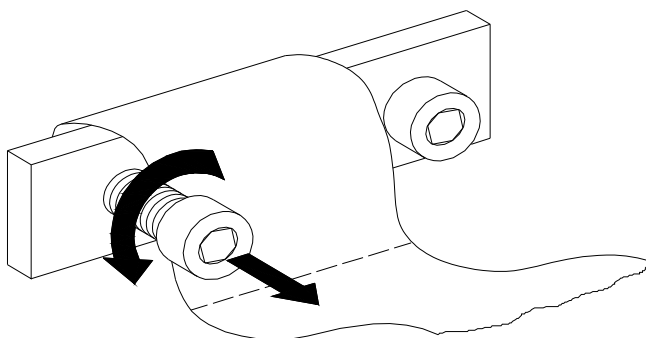
- Anchoring with a ring.

To dismantle the belts, pass the belt through the buckle slot as shown in the following figure. To assembly it, just follow the same process but in reverse order.

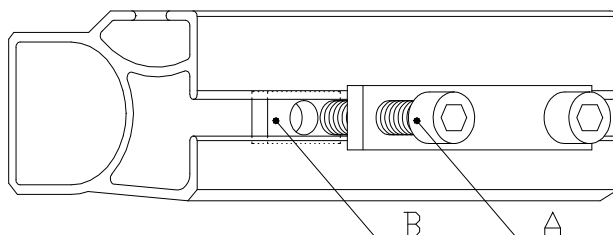


- Anchoring with a plate.

Loosen the screws as shown in the following figure. To assembly them just follow the same process but in reverse order.



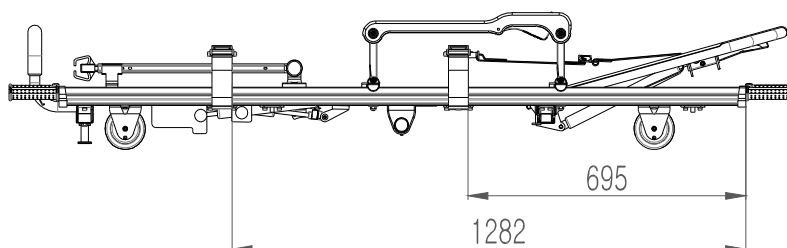
To assembly just follow the same process but in reverse order, fasten the 'A' screws to 'B' nuts located at the bottom of the aluminium guide profile (see no. 17 of the stretcher exploded view (pages 19 and 20) and the figure below.



- **Position of the belts.**

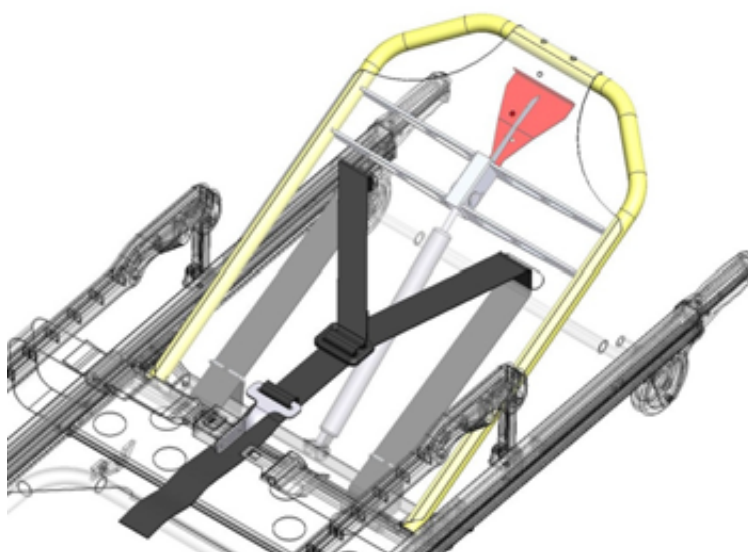
Lateral belts.

The belts are positioned at the approximate distances shown in the figure below.



Headrest belts.

The headrest belts must go through the holes in the head rest and must be secured in the panel crosspiece with rings (09-027) as shown in the following figure.



2.3.- Instruction manual for cart TG-880



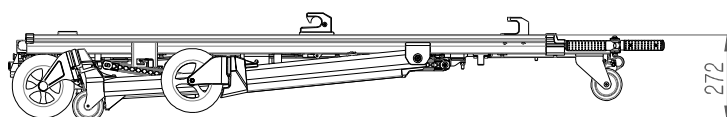
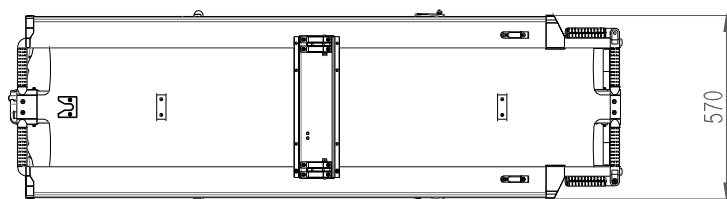
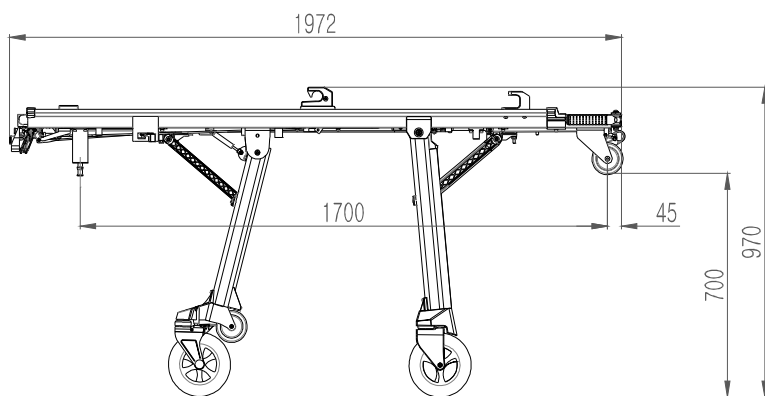
Make sure that no damage is caused to the areas where the cart mechanisms are installed to prevent these from malfunctioning.

2.3.1.- Technical characteristics



Approximate weight of the cart: 32.8Kg.

Approximate measurements of the cart (in mm):



FOLDED LEGS



2.3.2.- Operation and handling of cart TG-880



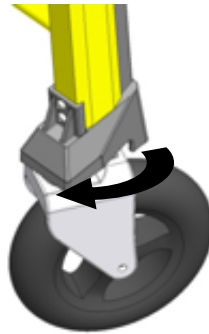
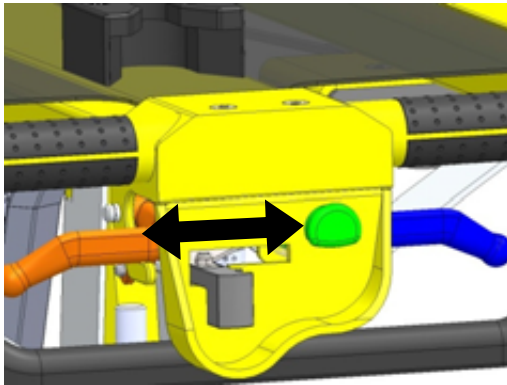
To prevent possible injuries to the extremities and other parts of the body, do not place body parts on the path of the cart's moving parts.

Note: The back side of the cart corresponds to the part for the feet.



2.3.2.1.- Rear control to lock / unlock back wheels

The black trigger on the back box allows locking or releasing the free spinning function of the front wheels. See figure:

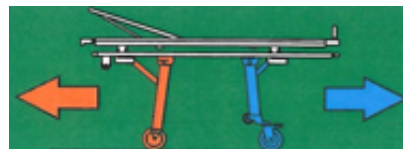
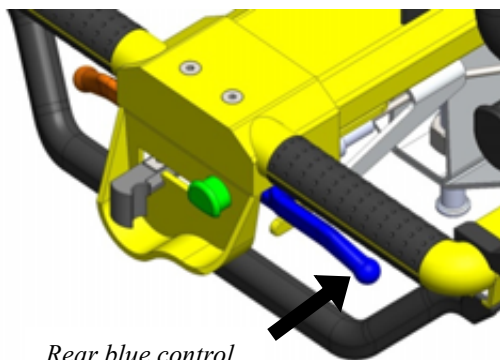


The label glued to the box indicates that the front wheels are unlocked in the right position and locked in the left position.

2.3.3.- Operating controls for the cart legs

2.3.3.1.- Rear controls

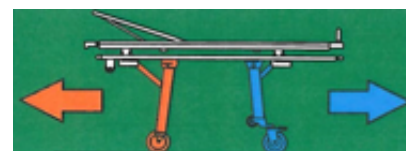
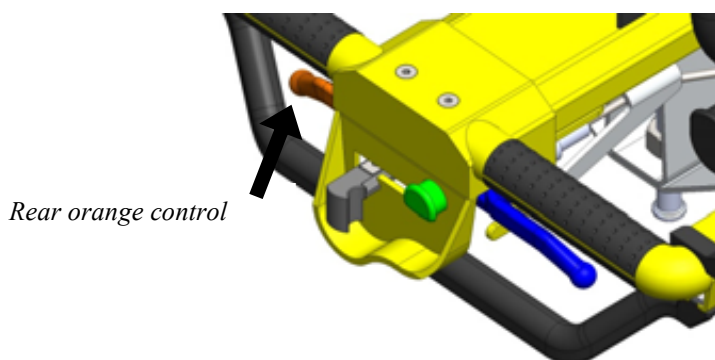
- **Blue (right):** Folds/unfolds the backleg of the cart.



The top label adhered to the cart indicates that the blue control located on the back side of the cart is used for folding/unfolding the rear leg.

- **Orange (left):** Folds/unfolds the intermediate positions of the front leg of the cart.

Note: If the cart is to be folded, release the control just before the leg reaches the fully folded position. To activate the intermediate positions, release the control when the leg starts to move. If the intermediate position is not correct, apply the control again until the leg is locked in the correct position. Every time the leg is activated, check it is locked by the click that guarantees this.

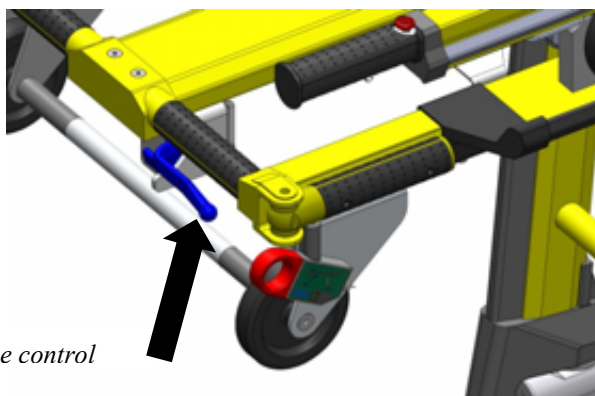


The top label adhered to the cart indicates that the blue control located on the back side of the cart is used for folding/unfolding the front leg.

2.3.3.2.- Front control

- **Blue trigger:** Operates the intermediate positions of the front leg of the cart (the starting point must be the unfolded position).

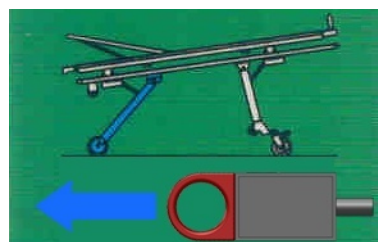
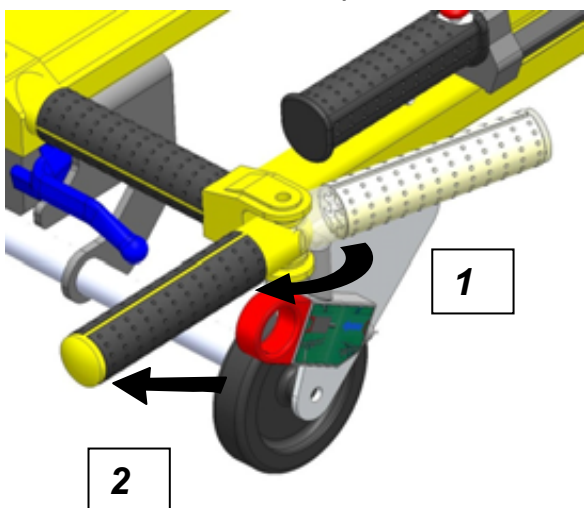
Note: To return the leg to its original unfolded position, activate the front control and then raise that part of the stretcher manually so that the leg returns automatically. Just before the leg reaches the original unfolded position, release the control so that when the leg reaches that position, the click can be heard, indicating the leg is locked and thereby ensuring it is fixed in the original unfolded position.



Front blue control

- **Red pull ring:** Activates the intermediate positions of the front leg of the (the starting point is the unfolded position).

In order to actuate the red pull ring, first we must unfold the movable grip to unlock it. Then, pull on the red control. See figure



The top label adhered to the ring indicates that is must be actuated to fold/unfold the front leg.

2.3.4.- Intermediate position of the cart and Trendelenburg position.

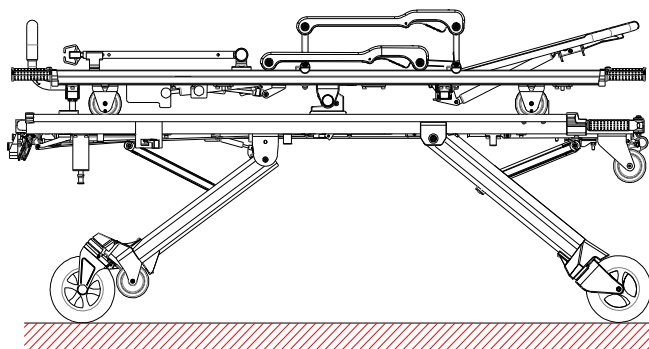


The cart has several intermediate positions that place the cart at different heights with respect to the ground in order to transport the patient to another stretcher or to unlock the stretcher from the cart. Therefore, the right hand must securely hold the cart to raise it slightly, relieving some weight off the legs and the anchoring mechanism. Then, use your left hand to actuate the blue control located on the front while holding on securely to the cart. Now the cart can be placed at the required height. Maintain the cart securely held until a clear snapping sound made by the hook is heard.

To ensure the safe treatment of the patient, the intermediate position should always be activated by two people. In addition, the safety belts must be placed on the patient and the rails raised before activating the intermediate positions.

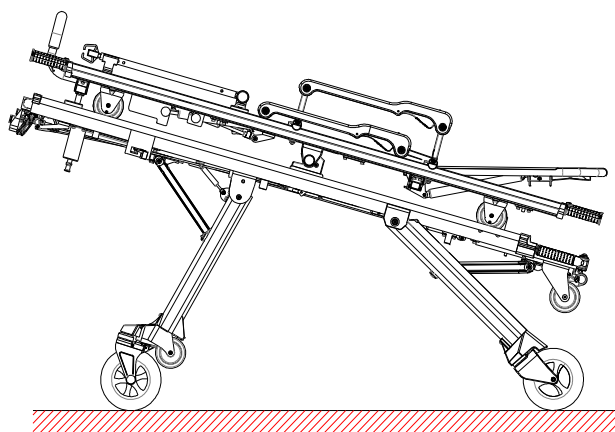
Intermediate position

Achieved by moving the (blue or red) front control and the (blue) rear control to the first position.



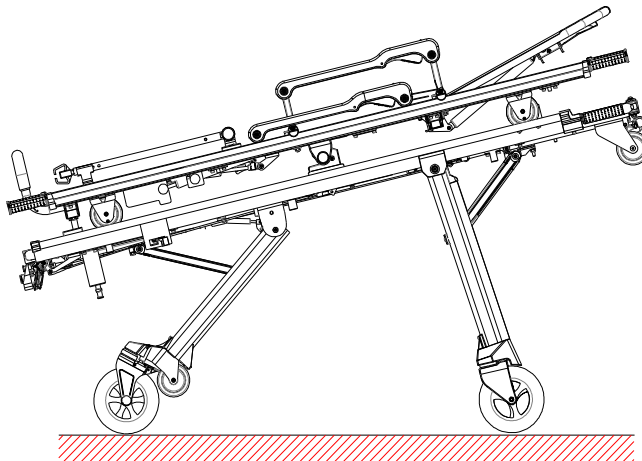
Trendelenburg position

Achieved by moving the (blue or red) front control to the first position.



Countertrendelenburg position

Achieved by actuating the blue trigger on the stretcher to the first position.

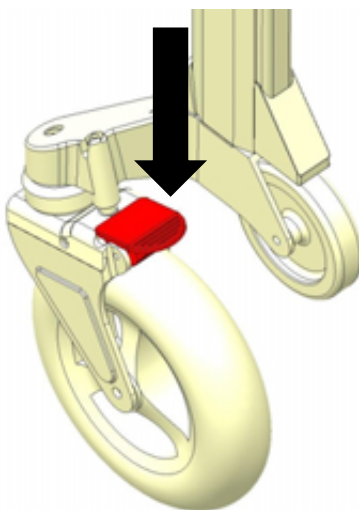


To prevent a dangerous movement of the cart, we recommend using both hands to hold the cart.

Then the stretcher can also be inclined on one side (front or rear) by actuating the controls as described above.

2.3.5.- Brake lever

Actuate the levers with your foot in order for the brake to lock the rear wheels. That special brake locks both the longitudinal and the rotating movement of the stretcher.



2.3.6- Installing the cart on the ambulance's stretcher holder

Kartasana recommends that the anchoring of the stretcher-cart to the ambulance is carried out using Kartasana rail R-450 N, R-419 L and R-800 L, which have been specifically designed for this purpose.

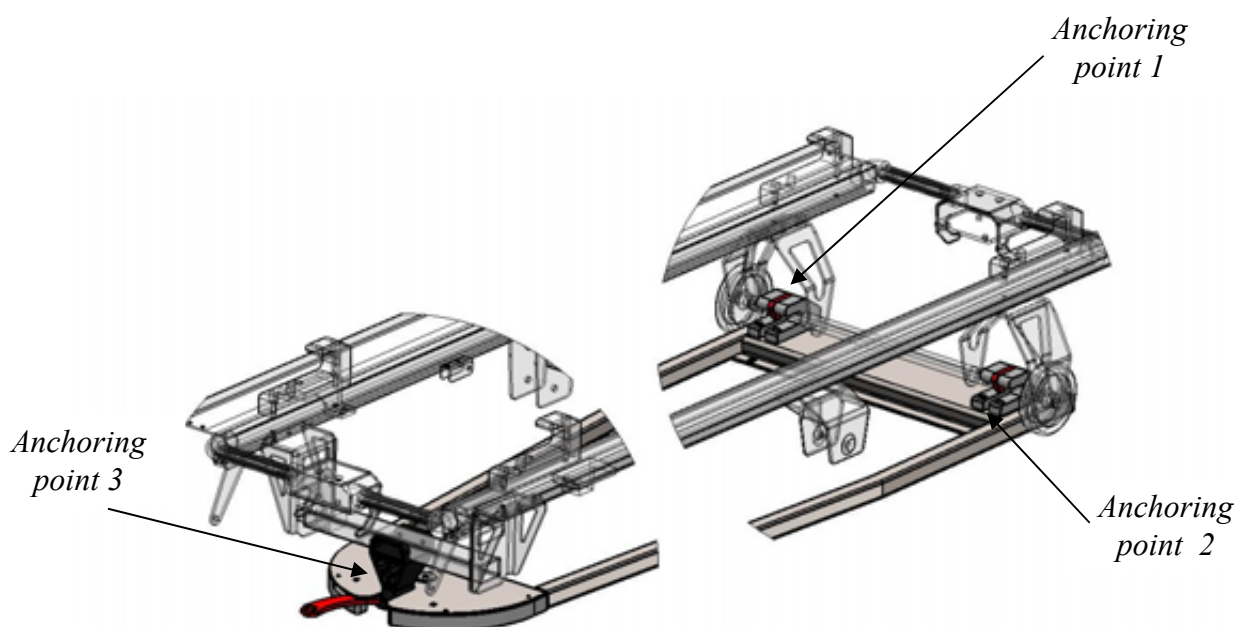


Move the cart to the ambulance platform and place the front leading wheels (wheels 100 mm in diameter), on the stretcher holder and if the platform incorporates the kartasana rail, place the aforementioned leading wheels on the outside of the rails. Then actuate the front wheels control to fold the front wheel (blue control) and insert the stretcher into the stretcher holder up to the rear wheels. At this point, activate the rear wheel control (orange) to fold it.

After actuating the orange control, part of the weight of the rear end of the stretcher must be supported, and so it will be necessary to hold it firmly with both hands.



Once the aforementioned process has been executed in full, the cart can be inserted completely into the stretcher holder, until it locks in place at the front and rear. The Kartasana rail anchors the stretcher-cart at the front by means of two anchoring points and one anchoring point at the rear (see the figures below) These anchoring points prevent the stretcher-cart from overturning in the event of an accident. If the Kartasana rails are not used, it is recommended that the anchoring of the front section of the stretcher-cart is carried out through the ends of the stretcher's rear bar as shown in the diagram.



3.-DISINFECTION

When disinfecting the stretcher, use products that will not damage the surface of the materials and wipe with a cloth or something similar. If the surface to be disinfected is greased, regreased it after disinfecting it.

All disinfectants must be used in accordance with the manufacturer's instructions.

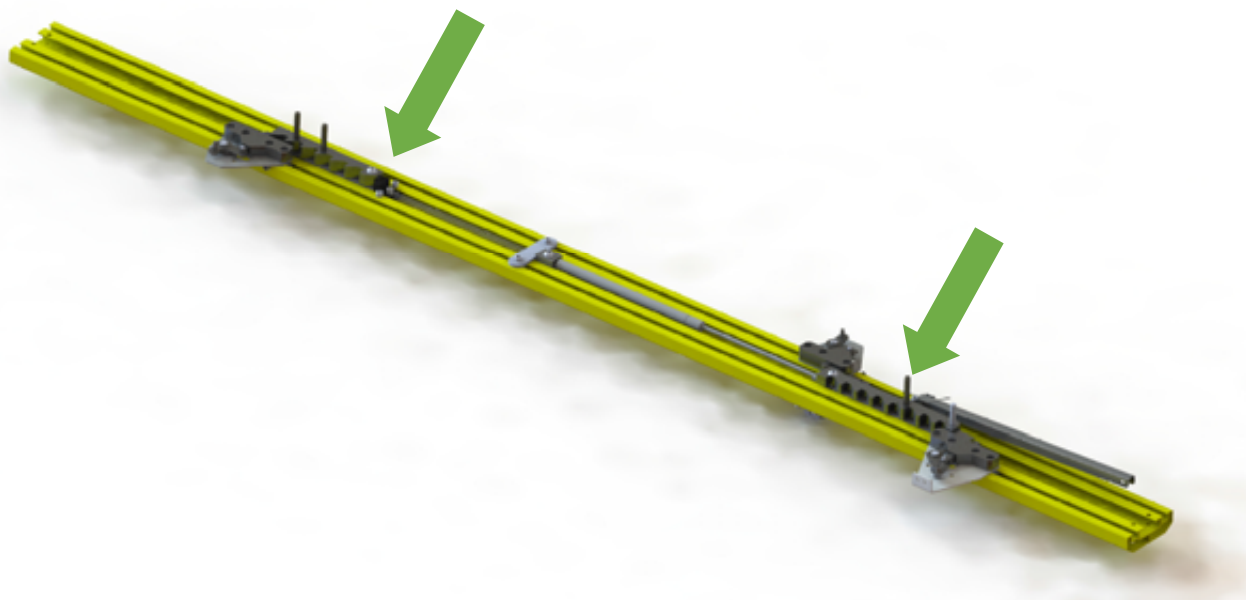
The manufacturer will not be held responsible for any anomaly or damage caused by using a cleaning product that could damage the stretcher-cart material surfaces.

To ensure the hygiene and proper conservation of the product components, the manufacturer recommends that they be disinfected after each use.

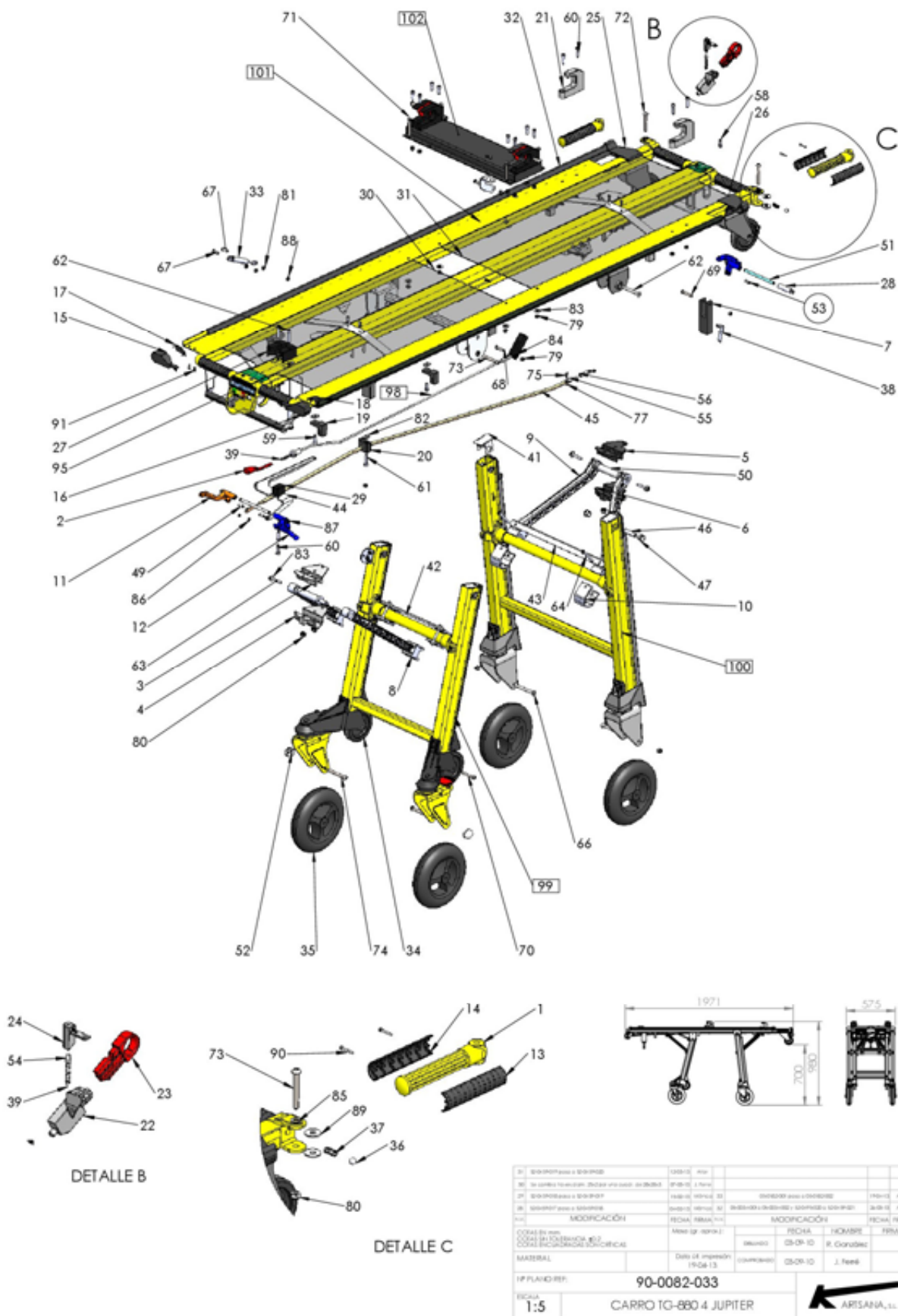
4.-MAINTENANCE

Inspect and lubricate the interior of the leg guides every two months (see item number 60 in the exploded view attached to cart TG-880, pages 21 and 22).

Also check and grease the wheels on the cart and the stretcher as well as the locking systems. We recommend that maintenance be performed by a specialist from our company every six months. During this inspection a general check will be made to replace the parts that may be damaged or worn by use.



5.- EXPLODED VIEW TG-880



ITEM N.	N. OF PARTS	Description	QUANTITY
1	01-0125-001	INTERMEDIATE GRIP CAST 400-860A	2
2	01-0129-001	SAFETY PUSH-BUTTON	1
3	01-0130-001	LEG MALE FLANGE 860-400	1
4	01-0131-001	LEG FEMALE FLANGE 860-400	1
5	01-0232-002	MALE FLANGE FRONT LEG	1
6	01-0233-002	FLANGE FEMALE FRONT LEG	1
7	05-0034-002	NYLON SAFETY STOP 860-A	1
8	05-0066-001	ROTATING WHEEL CAM S.400 AND S.860	2
9	05-0067-001	FIXED LEG CAM 400-800	2
10	05-0068-001	ROD CLAMP FEET	4
11	05-0072-001	ORANGE TRIGGER 400-800	1
12	05-0073-001	BLUE TRIGGER 400-800	2
13	05-0076-001	HAND GRIP COVER 400-860	6
14	05-0077-001	FEMALE GRIP COVER 400-860	6
15	05-0133-001	LEFT RUBBER TERMINAL 860F	1
16	05-0134-001	RIGHT RUBBER TERMINAL 860F	1
17	05-0135-001	LEFT RUBBER TERMINAL COVER 860F	1
18	05-0136-001	RIGHT RUBBER TERMINAL COVER 860F	1
19	05-0142-001	INTERIOR GUIDE PUSH ROD 860 A	2
20	05-0143-001	LONG STRAP GUIDE	1
21	05-0148-001	FRONT FIXED HOOK 860A	2
22	05-0149-001	INTERMEDIATE POSITION BOX PULL HANDLE	1
23	05-0150-001	INTERMEDIATE POSITION PULL HANDLE 860A-400A	1
24	05-0151-001	INTERMEDIATE POSITION PULL HANDLE	1
25	05-0172-001	RIGHT TRIM TG-860A	1
26	05-0173-001	LEFT TRIM TG-860A	1
27	05-0176-001	REAR POSITIONER GUIDE	1
28	05-0180-001	FRONT TRIGGER SPACER 860A	1
29	05-0182-002	STRAP GUIDE 860 A	1
30	05-0184-001	FOOT PROTECTION PLASTIC PLATES	1
31	05-0185-001	HEAD PROTECTION PLASTIC PLATES	1
32	08-0007-001	OMEGA PROFILE RUBBER 860	2
33	09-0001-001	ABS.300N S.082309 6/145,5/B-B	1
34	09-0003-001	WHEELS ø 100 X 22 WITH BUSHING	2
35	09-0010-001	WHEELS ø 200	4
36	09-0069-001	STELL BALL d 10 400-860	2
37	09-0075-001	CUFF BUTTON SPRING	2
38	09-0109-001	LEG SAFETY STRAP	1
39	09-0121-001	MIDDLE BUTTON SPRING 880 A	2
40	11-0012-001	STEEL WIRE RAIL S.401-860	2
41	11-0060-001	LEG PLATE COVER	4
42	11-0410-001	"L" REINFORCEMENT FOR REAR LEG 860A	1
43	11-0411-001	"L" REINFORCEMENT FOR FRONT LEG 860A	1
44	11-0414-001	LEFT STRAP TRIGGER 860 A	1
45	11-0464-001	JUPITER LONG TRIGGER SHIM	1
46	12-0074-001	LEG TURN BEARING BUSHING 230	4
47	12-0077-001	LEG FERRULE TURN BEARING	8
48	12-0094-001	STEEL WIRE TERMINAL	2
49	12-0123-001	RINGS WITH ELASTIC SHAFT	2
50	12-0126-001	TURN SHAFT CROSS REINFORCEMENT PROFILE	2
51	12-0127-001	SHAFT FOR BOX OF LEVERS	2
52	12-0192-001	BALANCE WEIGH SQUIPE	2
53	12-0197-001	FERRULE CABLE GLAND	1

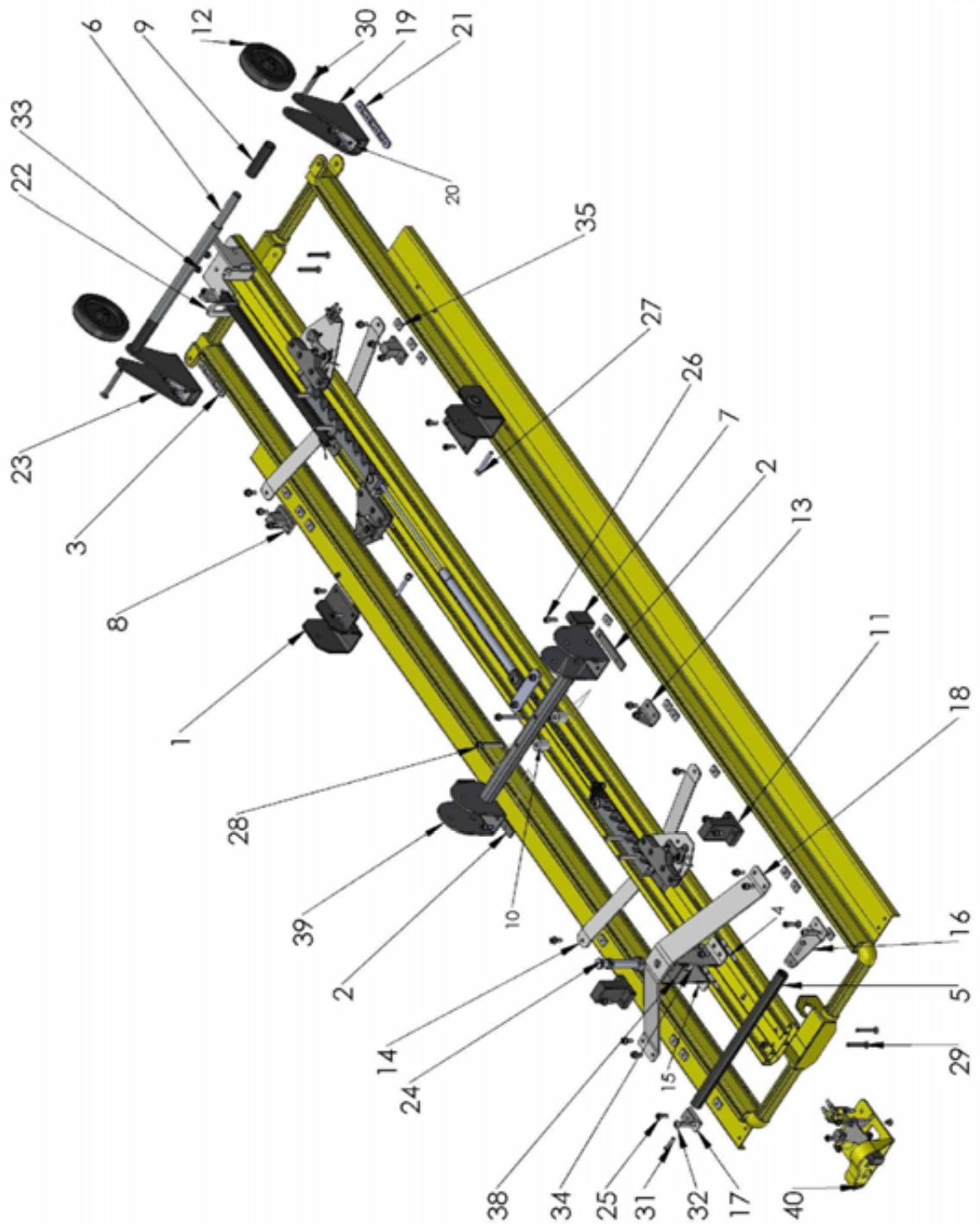


condicionamiento para hospitales y ambulancias

OPERATION AND HANDLING OF CART TG-880 WITH STRETCHER MTR-120 JUPITER

54	12-0222-001	INT. POS. HANDLE LOCK LUG 860A	1
55	12-0232-001	JUPITER TENSIONING RING	1
56	12-0233-001	JUPITER LONG BELT TENSION	1
57	13-0020-001	ALLEN DIN 912 M6X12 - 8.8	1
58	13-0023-001	ALLEN DIN 912 M6X16 - 8.8	2
59	13-0024-001	ALLEN DIN 912 M6X20 - 8.8	2
60	13-0026-001	ALLEN DIN 912 M6X25 - 8.8	6
61	13-0027-001	ALLEN DIN 912 M6X30 - 8.8	1
62	13-0028-001	ALLEN DIN 912 M6X35 - 8.8	2
63	13-0029-001	ALLEN DIN 912 M6X40 - 8.8	4
64	13-0032-001	ALLEN DIN 912 M6X55 - 8.8	4
62	13-0085-001	AV ALLEN DIN 7991 - M8 x 65	2
66	13-0090-001	AV ALLEN DIN 7991 - M8 x 80	2
67	13-0103-001	DIN 7380 ULS M6x20 -10.9	2
68	13-0105-001	DIN 7380 ULS M6x30 -10.9	1
69	13-0107-001	DIN 7380 ULS M6x40 -10.9	1
70	13-0109-001	DIN 7380 ULS M6x50 -10.9	2
71	13-0110-001	DIN 7380 ULS M6x55 -10.9	4
72	13-0120-001	DIN 7380 ULS M8x55 -10.9	1
73	13-0121-001	DIN 7380 ULS M8x60 -10.9	3
74	13-0122-001	DIN 7380 ULS M8x70 -10.9	2
75	13-0128-001	SCREW DIN 933 M4X16 6.8	2
76	13-0166-001	RIVET DIN 7337A ø5X12	4
77	13-0175-001	M4 SELF LOCKING NUT DIN 985	1
78	13-0176-001	M5 SELF LOCKING NUT DIN 985	1
79	13-0177-001	M6 SELF LOCKING NUT DIN 985	18
80	13-0178-001	M8 SELF LOCKING NUT DIN 985	12
81	13-0191-001	NUT M6 DIN 934	2
82	13-0193-001	M6 SQUARE NUT	5
83	13-0202-001	WHASHER WIDE d6	8
84	13-0207-001	WHASHER d6	11
85	13-0208-001	WHASHER d8	14
86	13-0214-001	EXT. ELASTIC RING ø6	4
87	13-0215-001	EXT. ELASTIC RING. ø8	4
88	13-0220-001	NYLON WASHER ø6	4
89	13-0222-001	NYLON WASHER WIDE ø6	4
90	13-0272-001	CROSS RECESSED COUNTERSUNK HEAD SCREWS 2,9X25	12
91	13-0318-001	RIVET STAINLESS STEEL 4X12	4
92	14-0030-001	SILVER SERIES NUMBER LABEL	2
93	14-0114-001	FRONT TRIGGER FOR LEG LABEL	1
94	14-0115-001	HOLDING LEGS FOLDED LABELS S 880	1
95	14-0116-001	WHEEL LOCK LABEL	1
96	14-0120-001	SQUARE TUV LABEL	1
97	14-0122-001	KARTSANA LABEL BRAND RESIN	2
98	50-0332-001	CART PUSH ROD WELD 880 A	1
99	52-0452-004	PREASSEMBLY REAR ROTATING LEG	1
100	52-0453-009	PREASSEMBLY FRONT LEG 880 4	1
101	52-0459-021	PREASSEMBLY COMPLETE FRAME S880 4	1
102	52-0512-002	PREASSEMBLY FASTENER HOOK	1

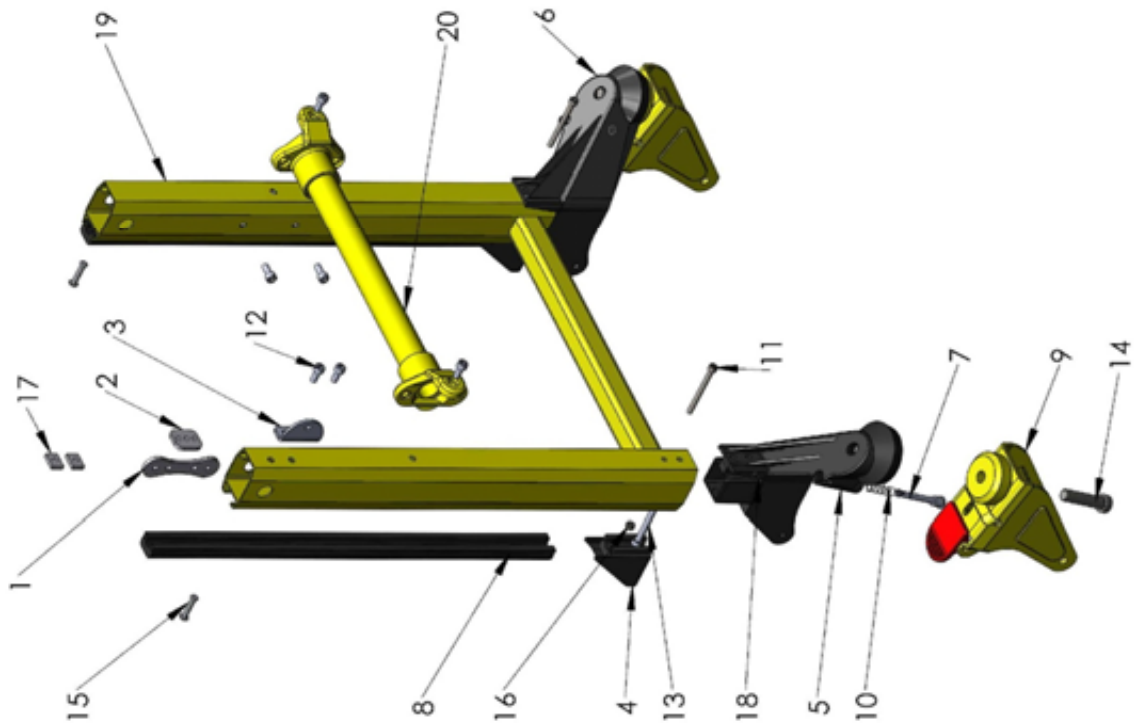
PRE ASSEMBLY COMPLETE FRAME (52-0459-021)



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ITEM N.	N. OF PARTS	Description	QTY.
1	01-0112-001	FRONT LEG BRACKET	2
2	02-0006-001	INTERIOR PLATE TRAVERSE	2
3	02-0283-001	THREADED PLAQUE FOR TABLE	1
4	02-0284-001	PLATE POINT INTERNAL FIXATION 3rd AXIS	2
5	03-0586-002	SHAFT PROTECTOR LEG S-400, S-860	1
6	03-0766-002	SHAFT INPUT	1
7	05-0137-001	BLOCK PLASTIC FOR LEG	2
8	05-0147-001	STOP PLASTIC FOR LEG FRONT	2
9	05-0174-001	INPUT SHAFT FEMULE	2
10	05-0183-001	FRAME CROSSBAR STOP 860A	2
11	05-0275-003	STOP PLASTIC FOR LEG REAR	2
12	09-0003-001	WHEEL ø100 x 22 WITH BUSHING	2
13	11-0076-002	BRACKET 90 DEGREES GAS SPRING	1
14	11-0128-001	OMEGA PROFILE PLATE REINFORCEMENT S-400-800	2
15	11-0155-001	METAL SHEET FOR ANCHORING THE STRETCHER	1
16	11-0160-002	LEFT TRIGGER GUARD PLATE	1
17	11-0161-002	RIGHT TRIGGER GUARD PLATE	1
18	11-0183-001	OMEGA PROFILE PLATE UNION 860	1
19	11-0210-001	LEFT LEADING WHEEL FORK 400-860	1
20	11-0267-001	FORK WHEEL REINFORCEMENT	2
21	11-0415-001	FORK THREADED PLATE ATTACK	1
22	11-0416-003	CENTRE SECTION FRONT SUPPORT	1
23	11-0661-001	RIGHT LEADING WHEEL FORK 400-860	1
24	12-0113-002	REAR FASTENING NIPPLE 860-400	1
25	13-0023-001	ALLEN DIN 912 M6X16 - 8.8	42
26	13-0024-001	ALLEN DIN 912 M6X20 - 8.8	2
27	13-0030-001	ALLEN DIN 912 M6X45 - 8.8	2
28	13-0032-001	ALLEN DIN 912 M6X55 - 8.8	2
29	13-0078-001	AV ALLEN DIN 7991 - M6 x 45	4
30	13-0084-001	AV ALLEN DIN 7991 - M8 x 60	2
31	13-0104-001	DIN 7380 ULS M6x25 -10.9	2
32	13-0115-001	DIN 7380 ULS M8x30 -10.9	2
33	13-0177-001	M6 SELF LOCKING NUT	4
34	13-0189-001	NUT M14	1
35	13-0193-001	M6 RECTANGULAR NUT	22
36	13-0207-001	D6 zinc-coated washer	33
37	13-0212-001	WHASHER d14	1
38	50-0261-001	SPECIAL WELD NUT	1
39	50-0333-001	880 JUPITER REAR WELD BRIDGE	1
40	52-0403-004	TRIGGER BOX TERMINAL	1
41	52-0457-001	PREASSEMBLY FRAME	1
42	52-0458-014	PREASSEMBLY CENTRAL PROFILE	1

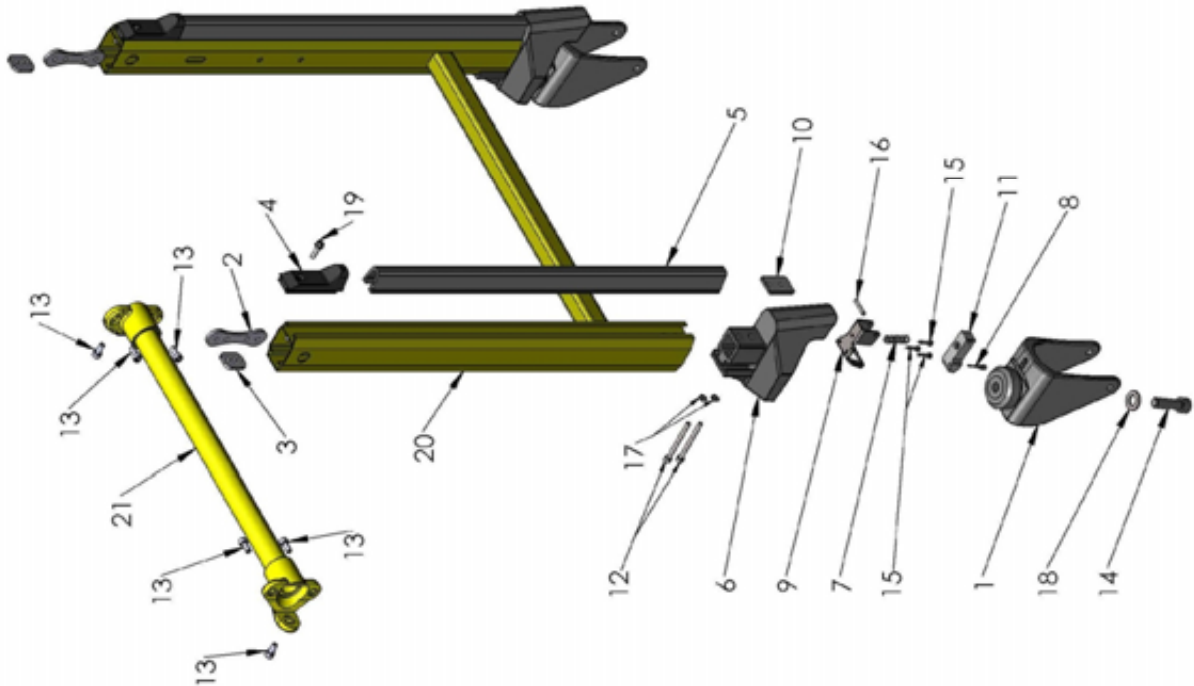
ITEM N.	N. OF PARTS	Description	QTY.
1	02-0004-001	LEG INT SHIM 2 THREADS	2
2	02-0005-001	LEG INT SHIM 1 THREAD	2
3	02-0080-001	SUPPORT LEG SHOCK ABSORBER	1
4	05-0046-001	WEDGE TERMINAL FOR LEG RUBBER	2
5	05-0102-001	S-FUEGO LEFT ROTATING SUPPORT	1
6	05-0103-001	S-FUEGO RIGHT ROTATING SUPPORT	1
7	05-0130-001	S-FUEGO LOCK LUG	2
8	05-0152-001	ROTATING FEET SECTION LEG 860 A	2
9	09-0045-001	FORK WITH FUEGO BRAKE	2
10	09-0108-001	S-FUEGO ANTI-TILT LUG SPRING	2
11	13-0019-001	ALLEN DIN 912 M5X60 - 8.8	2
12	13-0022-001	ALLEN DIN 912 M6X14 - 8.8	8
13	13-0032-001	ALLEN DIN 912 M6X55 - 8.8	2
14	13-0061-001	LOW HEAD ALLEN DIN 7984 M12X50 - 8.8	2
15	13-0173-001	RIVET ALUM. DIN 7337A ø5X30	2
16	13-0176-001	M5 SELF LOCKING NUT	2
17	13-0193-001	M6 SQUARE NUT	2
18	13-0214-001	RETAINING RING FOR SHAFTS EXT. ø6	2
19	50-0336-002	JUPITER 880 REAR WELD LEG ASSY.	1
20	52-0320-003	ROTATING LEG CROSSBAR ASSY.	1



52-0452-004

REAR ROTATING LEG S-860 DIN

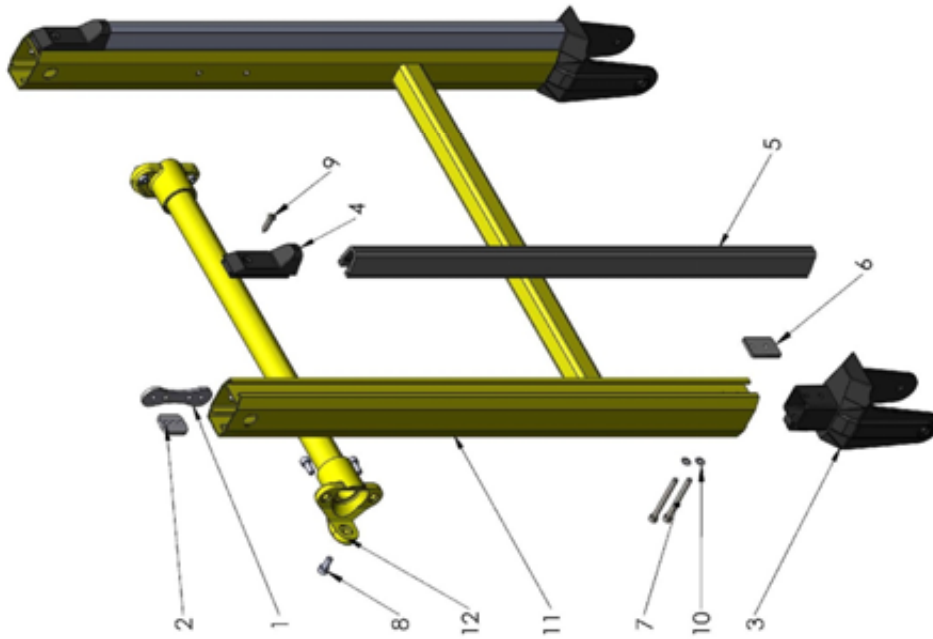
ITEM N.	N. OF PARTS	Description	QTY.
1	01-0180-001	JUPITER CAST FORK	2
2	02-0004-001	LEG INT SHIM 2 THREADS	2
3	02-0005-001	LEG INT SHIM 1 THREAD	2
4	05-0111-001	S-FUJGO FRONT WHEEL END STOP	2
5	05-0154-002	860 A ROTATING LEG SLIDING	2
6	05-0187-001	FRONT LEG FORK FASTENER JUPITER	2
7	09-0114-001	FRONT LEG ANTI-TURN SPRING	2
8	11-0012-001	STEEL WIRE RAIL S.401-860	2
9	11-0458-001	SUPPORT	2
10	11-0677-002	FIXING PLATE FORK	2
11	12-0219-002	LEG TURN STOP	2
12	13-0019-001	ALLEN DIN 912 M5X60 - 8.8	4
13	13-0022-001	ALLEN DIN 912 M6X14 - 8.8	6
14	13-0059-001	ALLEN DIN 912 M12X40 - 8.8	2
15	13-0143-001	CROSS RECESSED COUNTERSUNK HEAD SCREWS 3.9X19	6
16	13-0150-001	PIN DIN 7 ø4X24	2
17	13-0206-001	WASHER ø5	4
18	13-0211-001	WASHER ø12	2
19	13-0333-001	SCREWS DIN 7504K 5.5X22	2
20	50-0337-005	FRONT LEGS WELD. ASSY. A.4 880 JUPITER	1
21	52-0321-003	FIXED LEG CROSSBAR 400F- 860F	1



52-0453-009

PREASSEMBLY FRONT LEG 880 A4

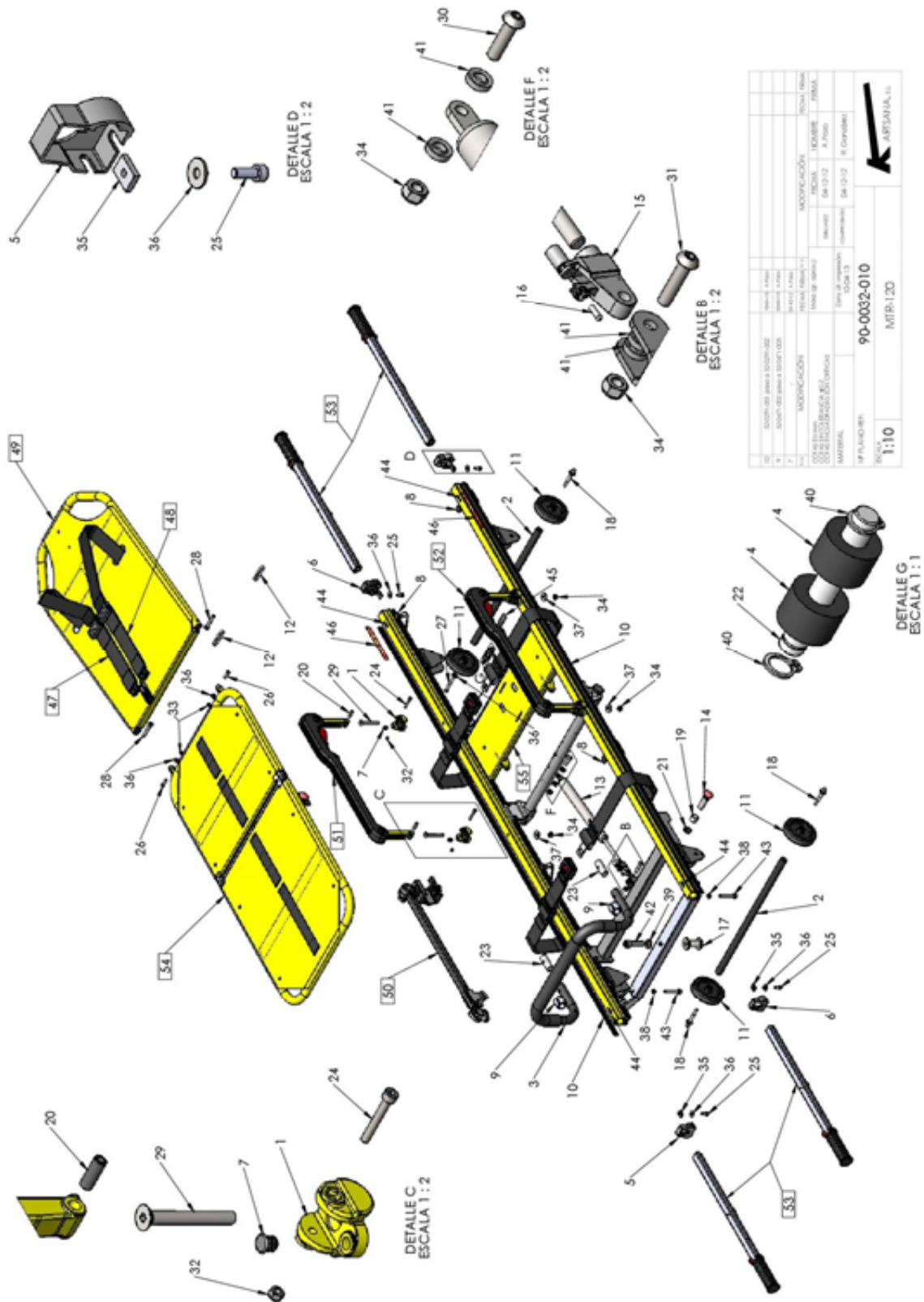
ITEM N.	N. OF PARTS	Description	QTY.
1	02-0004-001	LEG INT SHIM 2 THREADS	2
2	02-0005-001	LEG INT SHIM 1 THREAD	2
3	05-0101-001	FIXED WHEEL FORK	2
4	05-0111-001	S-FUEGO FRONT WHEEL END STOP	2
5	05-0274-002	ROTATING LEG SLIDING PR1033N 880	2
6	11-0677-002	FIXING PLATE FORK	2
7	13-0018-001	ALLEN DIN 912 M5X55 - 8.8	4
8	13-0022-001	ALLEN DIN 912 M6X14 - 8.8	6
9	13-0144-001	SCREW DIN 7981 5,5X22 CINC	2
10	13-0206-001	WASHER Ø5	4
11	50-0335-003	FRONT LEGS FIXED WELD JUPITER	1
12	52-0321-003	FIXED LEG CROSSBAR 400F- 860F	1



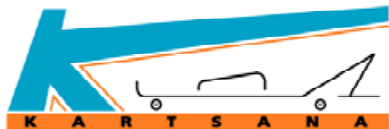
52-0454-006

FRONT WHEEL FIXED

6.- EXPLODED VIEW MTR-120



LDM - MTR-120 (90-0032-009)

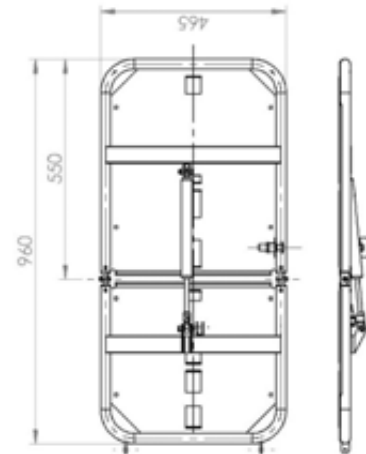
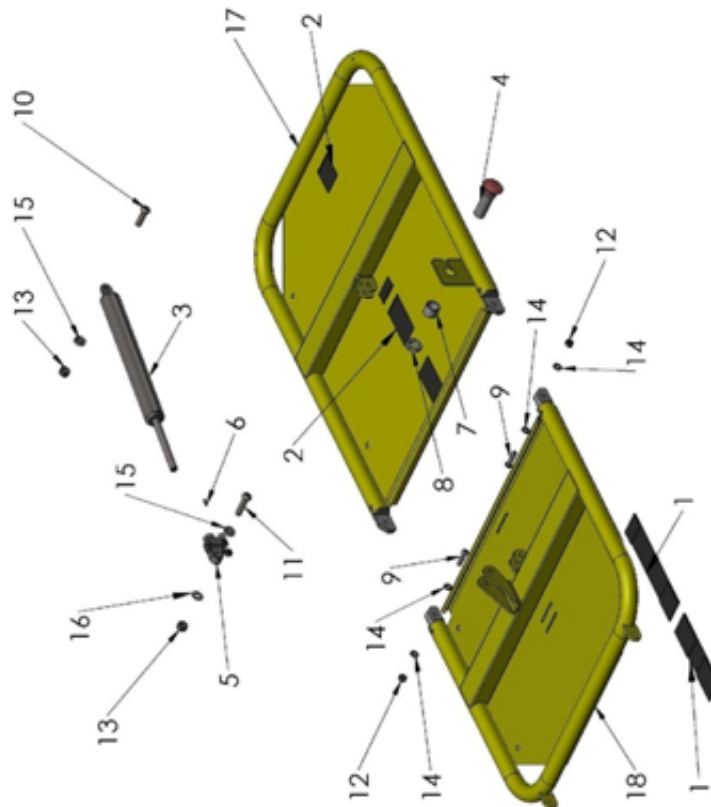


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OPERATION AND HANDLING OF CART TG-880 WITH STRETCHER MTR-120 JUPITER

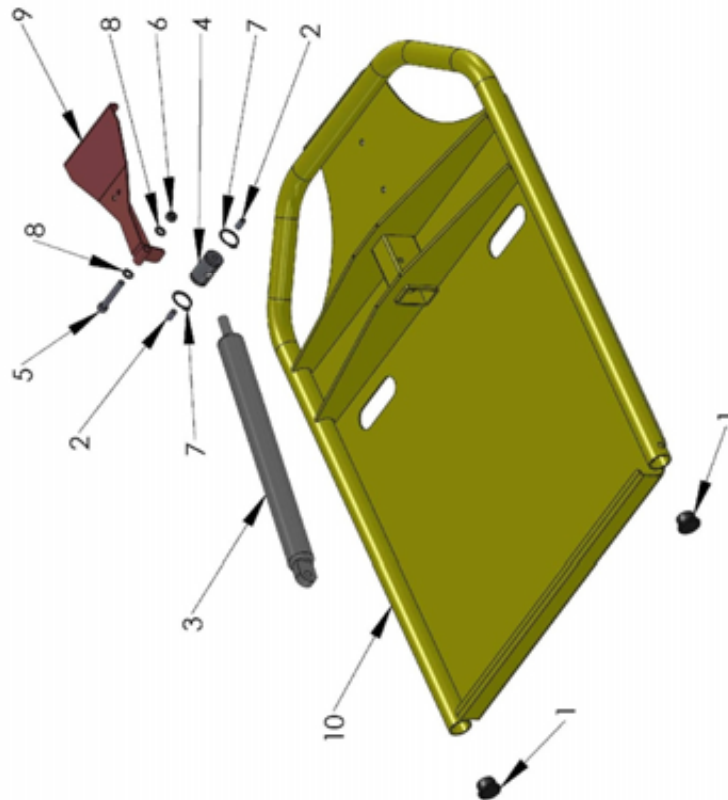
ITEM N.	N. OF PARTS	Description	QTY.
1	01-0159-001	SUBJECT HAND RAIL	4
2	03-0495-002	REAR WHEEL ROD 116 DIN	2
3	03-0883-001	TUBE BENDING FOOTREST	1
4	05-0036-001	WIDE NYLON WASHER S.118-S.119	2
5	05-0050-001	LEFT GUARD RUBBER PROFILE	2
6	05-0051-001	RIGHT GUARD RUBBER PROFILE	2
7	06-0006-001	PLUGS D12 R26	4
8	06-0013-001	RUBBER PLUGS ENDING HEATREST	4
9	06-0014-001	FIXED LEG CROSSBAR 400F- 860F	2
10	08-0005-001	RUBBER PROFILE C-83	2
11	09-0003-001	WHEEL ø100 x 22 WITH CASE	4
12	09-0027-001	BELT RING BUSHING	2
13	09-0100-001	ABS. 006377 200N	1
14	09-0106-001	RED BUTTON	1
15	09-0107-001	LEVER SHOCK ABSORBER	1
16	12-0094-001	STEEL CABLE TERMINAL	1
17	12-0099-001	BACK NIPPLE TURNING BLACK	1
18	12-0109-001	WHEEL NIPPLE TURNING BLACK	3
19	12-0176-001	CLAMP BUSHING SHELL FOR PUSH-BUTTON FUEGO	1
20	12-0178-001	GUARD RAIL SHELL	4
21	12-0185-001	SPECIAL NUT M16x1	1
22	12-0230-001	ABS. HEAD	1
23	12-0340-001	NYLON ALUM. INTERIOR	2
24	13-0016-001	ALLEN SCREW DIN 912 M5X35 - 8.8	4
25	13-0023-001	ALLEN SCREW DIN 912 M6X16 - 8.8	4
26	13-0024-001	ALLEN SCREW DIN 912 M6X20 - 8.8	2
27	13-0033-001	ALLEN SCREW DIN 912 M6X60 - 8.8	1
28	13-0042-001	ALLEN SCREW DIN 912 M8X45 - 8.8	2
29	13-0085-001	AV. ALLEN DIN 7991 - M8 x 65 CINCADO	4
30	13-0115-001	SCREW DIN 7380 ULS M8x30 -10.9	1
31	13-0116-001	SCREW DIN 7380 ULS M8x35 -10.9	1
32	13-0176-001	M5 SELF LOCKING NUT DIN 985	4
33	13-0177-001	M6 SELF LOCKING NUT DIN 985	2
34	13-0178-001	M8 SELF LOCKING NUT DIN 985	6
35	13-0193-001	M6 RECTANGULAR NUT	4
36	13-0202-001	WHASER WIDE ø6	7
37	13-0203-001	WHASER WIDE ø8	4
38	13-0208-001	WHASER ø8	2
39	13-0212-001	WHASER ø14	1
40	13-0215-001	EXT. ELASTIC RING. Ø8	2
41	13-0221-001	NYLON WASHER WIDE d.8	4
42	13-0337-001	ALLEN SCREW DIN 912 M14X50 - 8.8	1
43	13-0348-001	ALLEN SCREW DIN 912 M8X50 - 8.8	2
44	14-0011-001	BRAVA ARROW LABEL	4
45	14-0030-001	SILVER SERIES NUMBER LABEL	1
46	14-0050-001	MTR-120 LABEL	2
47	52-0047-001	LEFT BACK REST BELT ASSEMBLY 116	1
48	52-0048-001	RIGHT BACK REST BELT ASSEMBLY 116	1
49	52-0291-002	BRAVA ARROW LABEL	1
50	52-0400-001	PREASSEMBLY SHORT BELT	1
51	52-0421-001	FUEGO SERIES LEFT HAND RAIL	1
52	52-0422-001	FUEGO SERIES RIGHT GUARD RAIL	1
53	52-0451-004	TELESCOPIC HANDLES	4
54	52-0471-002	FOOTREST DOUBLE JOINT 860 A	1
55	52-0472-004	PRE ASSEMBLY. COMPLETE FRAME MTR-120	1

N.º	Referencia	Descripción	CANT.
1	04-0215-001	VELCRO STRIP 247mm	2
2	04-0216-001	VELCRO STRIP 325mm	2
3	09-0100-001	ABS. FUEGO 006377 200N	1
4	09-0106-001	RED BUTTON	1
5	09-0107-001	LEVER DRIVE LA-ST	1
6	12-0094-001	STEEL WIRE TERMINAL	1
7	12-0176-001	CLAMP BUSHING FOR PUSH-BUTTON	1
8	12-0185-001	SPECIAL NUT M16x1	1
9	13-0104-001	SCREW DIN 7380 ULS M6x25 -10.9	2
10	13-0115-001	SCREW DIN 7380 ULS M8x30 -10.9	1
11	13-0116-001	SCREW DIN 7380 ULS M8x35 -10.9	1
12	13-0177-001	M6 SELF LOCKING NUT DIN 985	2
13	13-0178-001	M8 SELF LOCKING NUT DIN 985	2
14	13-0207-001	WASHER $\varnothing 6$	4
15	13-0221-001	WASHER NYLON $\varnothing 8$	2
16	13-0223-001	WIDE NYLON WASHER d.8	1
17	50-0267-003	BACK REST	1
18	50-0268-001	SMALL BACK REST	1



52-0471-003

FOOTREST DOUBLE JOINT 860 A



N.º	Referencia	Descripción	CANT.
1	06-0009-001	PLUGS $\varnothing 25$	2
2	06-0064-001	NYLON SCREW M6X12 DIN551	2
3	09-0038-001	ABS. 500 N	1
4	12-0091-002	SHAFT EXTREME SHOCK	1
5	13-0029-001	ALLEN DIN 912 M6X40 - 8.8	1
6	13-0177-001	SELF LOCKING NUT M6	1
7	13-0198-001	EXT. ELASTIC RING $\varnothing 20$	2
8	13-0207-001	WASHER $\varnothing 6$	2
9	50-0249-001	HANDLE LEVER WELDED	1
10	50-0252-001	BACK REST WELDED 116-300	1

52-0291-002

BACK REST



acondicionamiento para hospitales y ambulancias

OPERATION AND HANDLING OF CART TG-880 WITH STRETCHER MTR-120 JUPITER

Distribuidores/ Distributors / Distributeurs



*Certified management
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