



RHONE XL

ORIGINAL MANUAL
PRODUCT REF NO: RH18XL.*
MANUAL REF NO: RH18XL.ML
05/2023 - REV. 3.2

TABLE OF CONTENTS

FOREWORD.....	Page 3
INSTRUCTION TO BE STRICTLY FOLLOWED.....	Page 4
INTRODUCTION.....	Page 5
TECHNICAL DATA.....	Page 6
WEIGHT OF THE EQUIPMENT.....	Page 6
DIMENSIONS AND INSTALLATION.....	Page 7
SELECTION OF THE LOCATION AND DRILLING HOLE LAYOUT.....	Page 8
INSTALLATION PROCEDURE.....	Page 10
DESCRIPTION OF THE EQUIPMENT.....	Page 15
CONTROL AND HANDLING OF MAIN LIFTING UNIT.....	Page 16
STICKERS.....	Page 20
IDENTIFICATION PLATES.....	Page 22
SAFETY SYSTEMS.....	Page 23
BALANCE OF WEIGHTS.....	Page 24
UTILIZATIONS.....	Page 24
OPTIONS.....	Page 27
ACCESSORIES.....	Page 31
MAINTENANCE.....	Page 31
CONNECTION POWER UNIT / BENCH.....	Page 32
DYSFUNCTIONS.....	Page 33
LOAD TEST DOCUMENT.....	Page 34
DIAGRAMS.....	Page 35

FOREWORD:

This instruction leaflet is designed to answer most of the questions about **technical matters, utilization and safety instructions** concerning your lifting bench **RHONE XL**.

we recommend each user to **read this Product Manual carefully** and to keep it near the equipment while using the device, to get the best and safest possible utilization.

IN FACT, CELETTE CANNOT BE HELD RESPONSIBLE IN FOLLOWING CASES:

- » **Utilization** of the lifting bench **RHONE XL** for any other purpose than the one it is designed for.
- » **Intervention** or **Modification** carried out without the manufacturer's previous agreement.
- » Adaptation **of non-homologated or non-suitable accessories** to the bench.

INSTRUCTION TO BE STRICTLY FOLLOWED:

- » The present installation and utilization instructions are intended for the installation staff and for the technical team, and should be accessible at any time.
- » The lifting unit is to be used by experienced and trained personal only.
- » Before a first starting of the unit, the installation and state of the lifting device are to be checked by an authorized person.

TEST TYPE	LOAD	DURATION
Static test	6875 Kg	1 hour
Dynamic test	6050 Kg	Complete operation: lifting/lowering

-  The state of the unit has to be checked and maintained by a specialist at least once a year.
-  The installation and utilization are to be read carefully
-  Before each utilization, check the state of the unit. Possible defects have to be notified to CELETTE immediately and the device has to be placed out of order
-  Make sure that nobody stands within the lifting unit function area. Should it be the case, stop all operations immediately
-  Do not stand under the unit.
-  Never lift people by means of the lifting unit.
-  Make sure that the device cannot be blocked or collide.
-  Respect the conditions of installation and the concrete load standards (Compressive strength: 450 kg/cm)
-  Respect the maximum load: 5500 Kg
-  Respect the balance of weights: 2/3 and 1/3.
-  The handling of the load once lifted is strictly prohibited.

INTRODUCTION:

We are convinced that your lifting bench **RHONE XL** will meet your requirement, thanks to its lifting capacity :

- » 5500 KG load until 1.2 m high for easier and more comfortable work conditions

RHONE XL will make the repair of light or important impacts easier, thanks to the MZ System, but will also enable the checking and straightening by means of various adaptable CELETTE options and accessories.

Its concept of utilization enables the straightening of most of the vehicles without complementary accessories.



THE LIFTING BENCH RHONE XL 5.5T HAS TO BE FIXED TO THE GROUND BEFORE ANY INSTALLATION OF A VEHICLE.

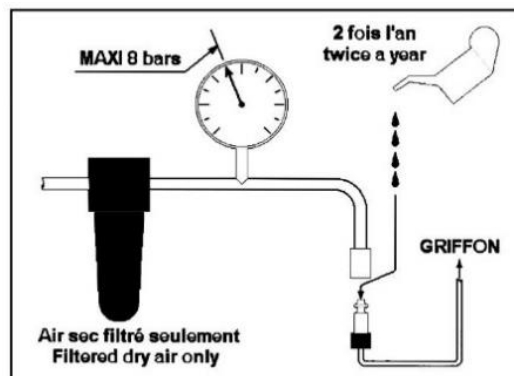
THIS EQUIPMENT IS COMPOSED OF :

- » BENCH BASE **9186.312R**
- » LIFTING UNIT **RH18XL.01.423** INCLUDING ONE « X » SYSTEM AND A HYDRO PNEUMATIC POWER UNIT.
- » COMPLETED RUNWAY DECKING PLATE SYSTEM INCLUDING A RUNWAY DECKING PLATE **GR08.0058**
- » SET OF ANCHORING CLAMPS
- » STANDARD OR SPECIFIC OPTIONS AND ACCESSORIES

TECHNICAL DATA:

HYDRAULIC POWER UNIT:

- » Outlet pressure 280 bars.
- » Compresses air supply, cleaned & no-oiled 6 to 8 bars
- » Electric motor, voltage & frequency according to the country of utilization: 110V / 230V / 400V-50Hz / 60Hz
- » Oil tank: 10 liters
- » Oil type: MOBIL DTE 13



PNEUMATIC UNLOCKING OF THE SAFETY ELEMENTS:

- » Compressed air, cleaned & not oiled 6 to 8 bars

LOCKING OF THE SAFETY ELEMENTS:

- » Automatic by absence of air

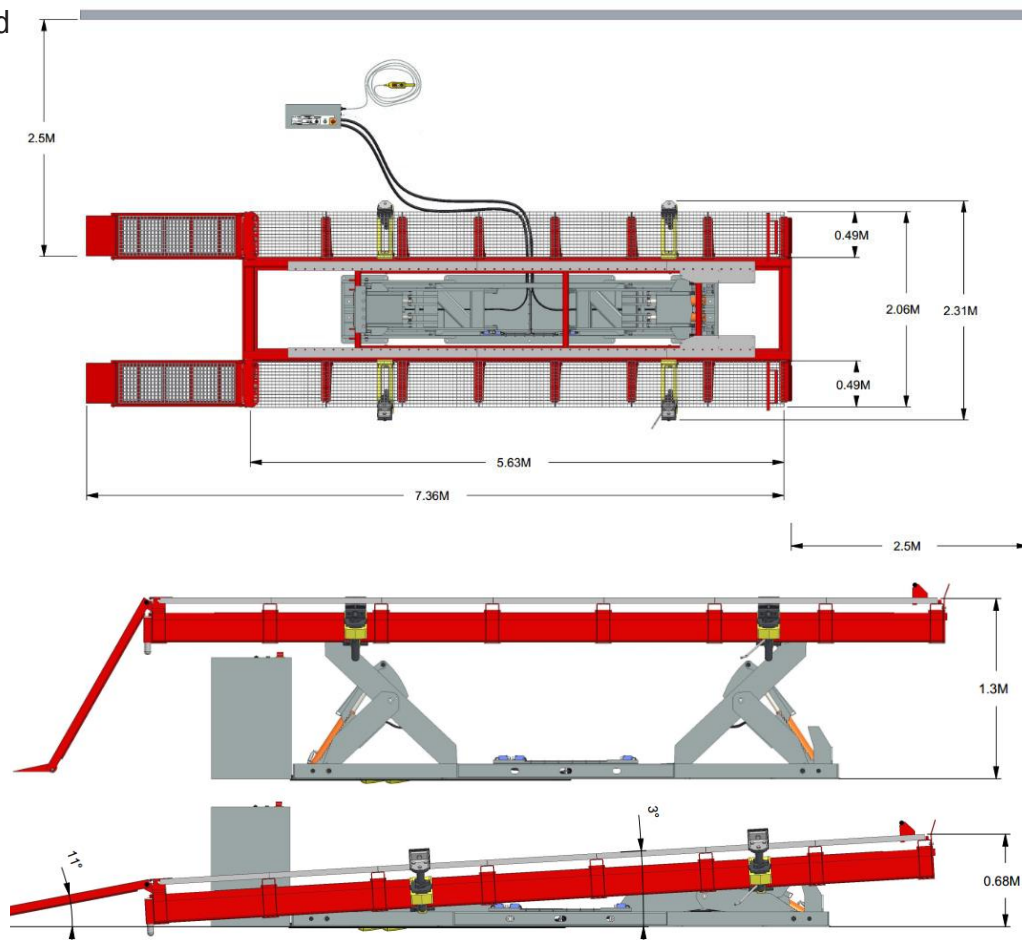
WEIGHT OF THE EQUIPMENT:

RH18L.1800.X				
Bench	Lift	Power unit	Anchoring clamps	Ramps
890 Kg	1066 Kg	60 Kg	150 Kg	503 Kg

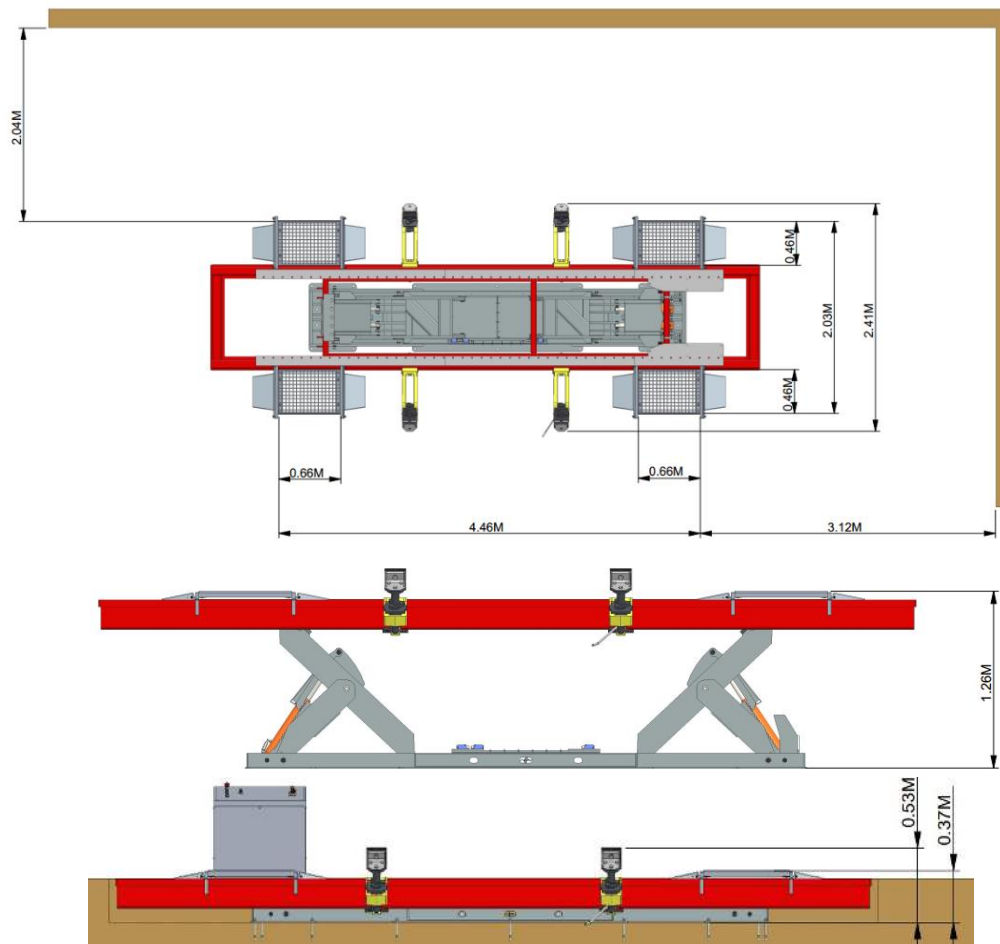
- » Maximum load on the bench: 5500 Kg
- » Lifting time:
 - unloaded: 45 s
 - with a 1500 Kg load: 45 s
- » Lowering time:
 - unloaded: 50 s
 - with a 1500 Kg load: 50 s
- » Noise level
 - lifting: 89 dB (A)
 - lowering: 73 dB(A)

DIMENSIONS AND INSTALLATION:

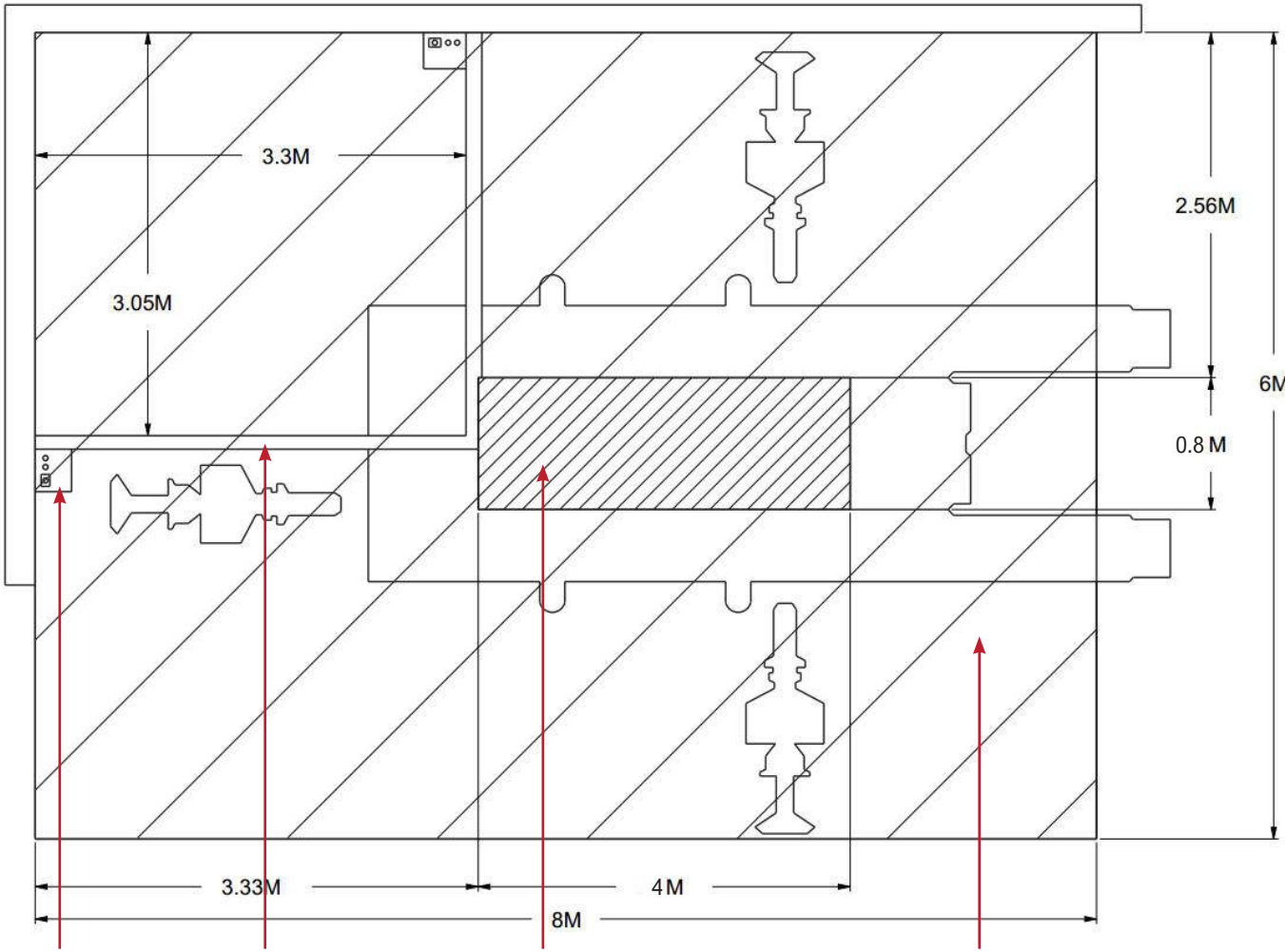
On Ground



In Ground

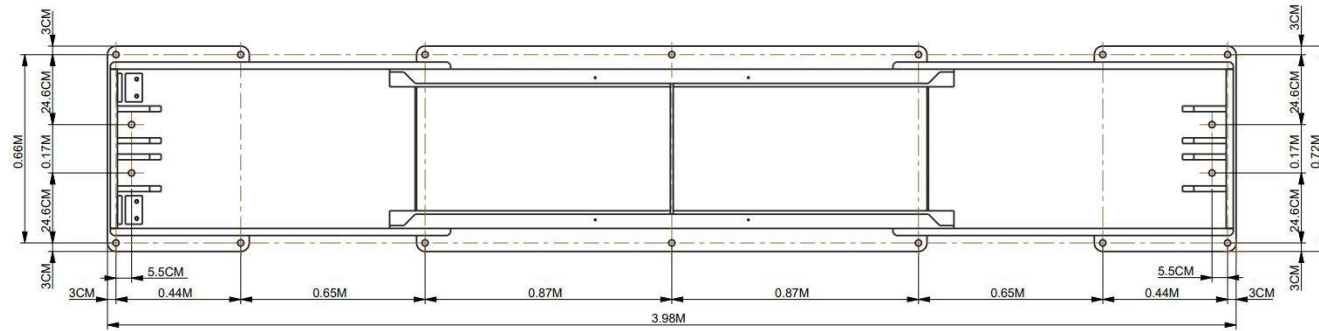


SELECTION OF THE LOCATION AND DRILLING HOLE LAYOUT:



Control unit Tube D.100mm « PLANE MINIMAL Area » « BPS EN 206-1 XC1 C40/50 Dmax 3 S3»
450 kg/cm² MIN.

- » A **perfectly flat** concrete should be able to withstand a total load of 6300 Kg and have a minimal compressive strength of 450 Kg/cm² **under the whole surface** of the bench.
- » CELETTE recommends a minimal thickness of **175 mm** for the concrete.
- » The bench will **be fixed to the << minimal plan area >> through the 18 expansion Dowels (SPIT MEGA E12-18/45)**, length 140 mm, supplied with the equipment.



- No obstacle (Extension arm, energy box,...) should be placed lower than 3,70 m above the equipment (to lift a classic commercial vehicle with standard height)
- We advise to foresee a free area (Refer to the drawings on pages 7 and 8) around the base of the lifting unit to use the pulling unit SEVENNE.
This represents a work bay (not including the storage of accessories and tools) of 6 m wide X 8 m deep.

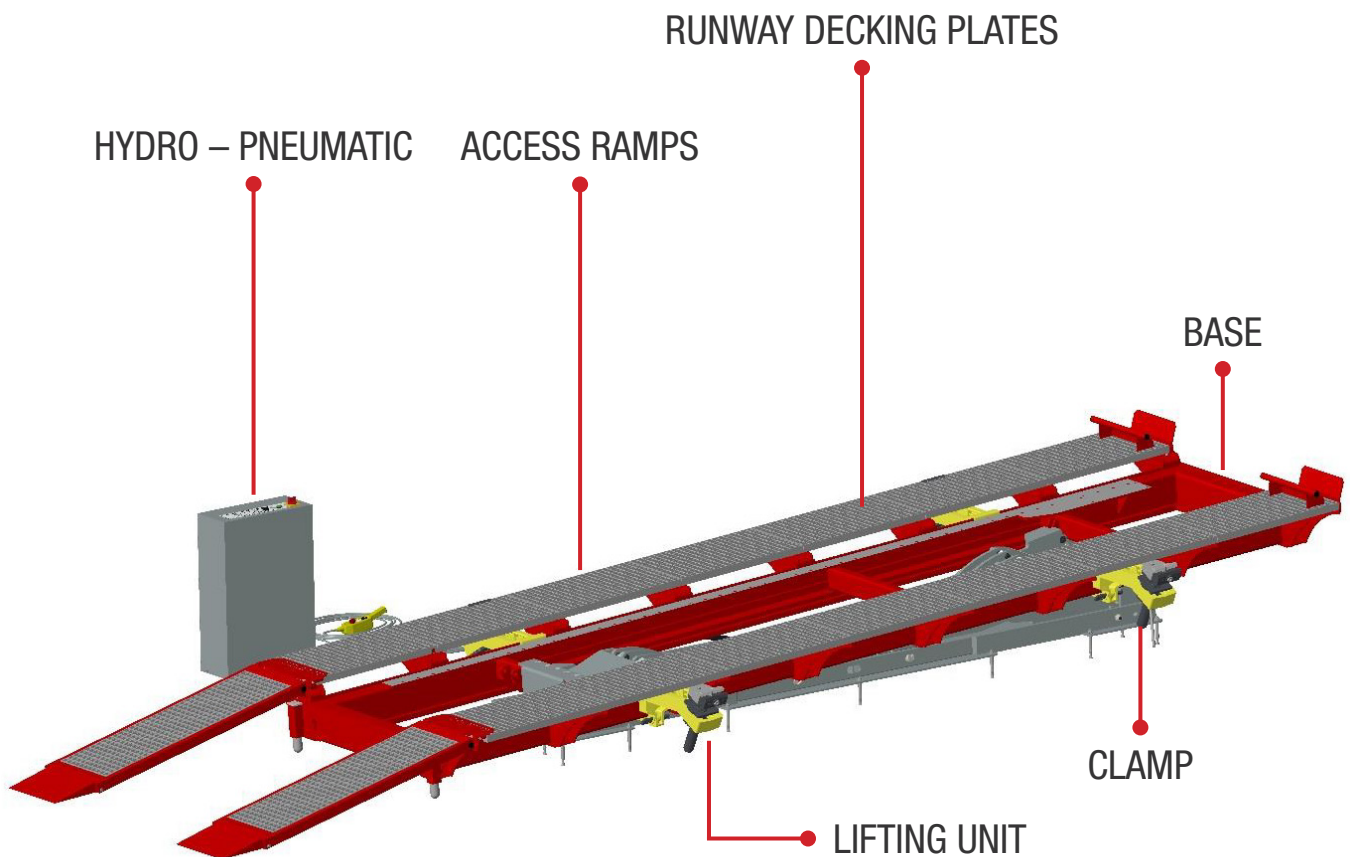
SELECTION OF THE LOCATION AND DRILLING HOLE LAYOUT:

CAUTION: The access ramps are not included within the 8 m.

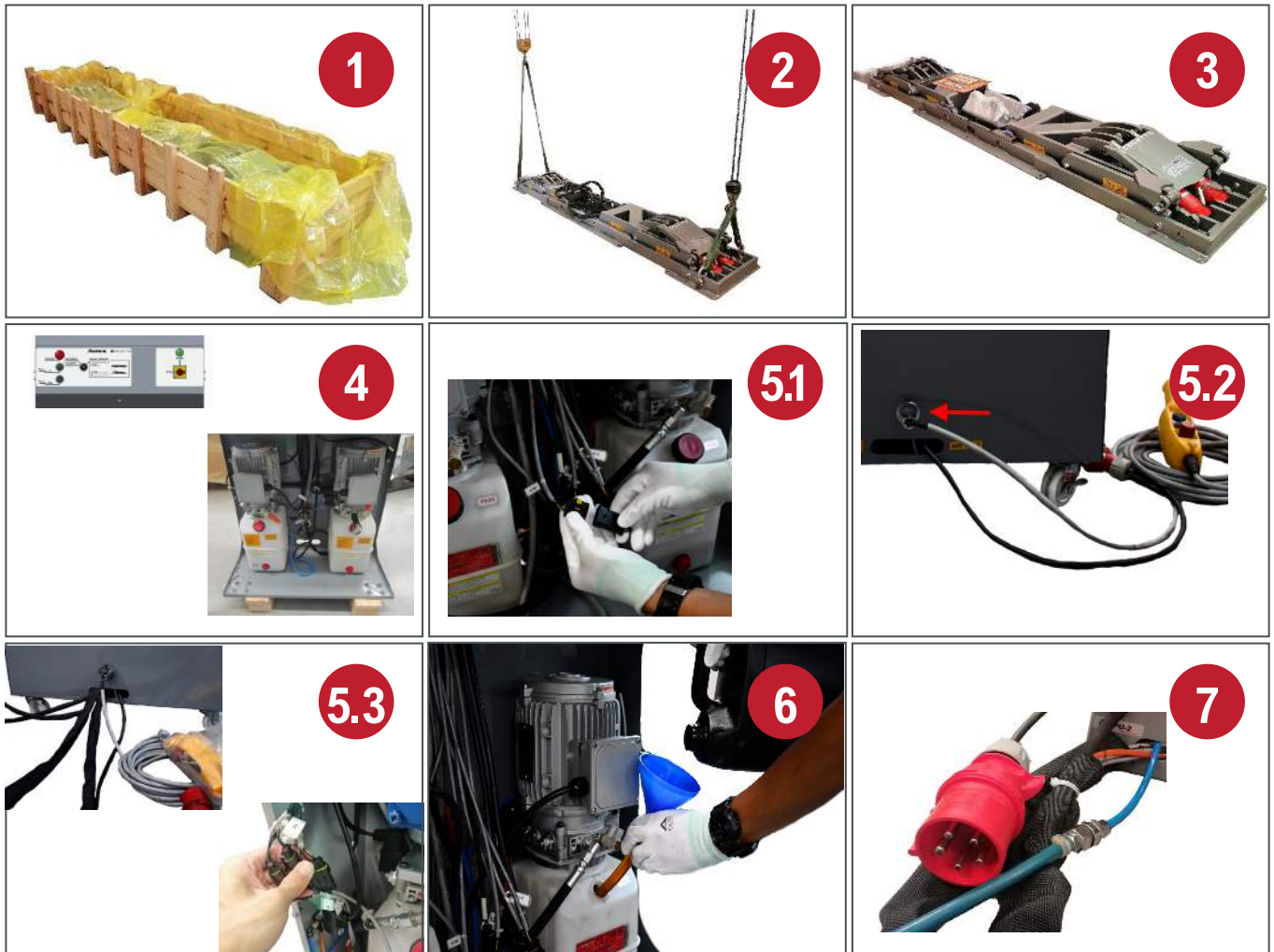
CAUTION: We also recommend to foresee a free area for the access of the vehicle to the Rhone XL.

- » Following equipment is to be foreseen nearby the device:
- » A compressed air supply – cleaned, not oiled 6 to 8 bars.
- » A power supply – protected by a 30 mA differential.
Cable section 2,5 mm² - 16 A – 3 P or 1 P – N + E (according to the country).
- » The connection to an IT power supply is not allowed.
- » The control keyboard should not be exposed to fluid projection. Do not use a water spray to clean the control keyboard. Place it in an easily accessible area. Use option 9171.01.7007 to guide the sheath on the ground to prevent it from being damaged.

DESCRIPTION OF THE EQUIPMENT:



INSTALLATION PROCEDURE:



1. Place the box containing the main lifting unit in the final location of the bench while respecting:
 - » Distance to the walls and obstacles (Pages 7 and 8)
 - » The direction (Front / Rear)
2. Open cover and lift Rhone XL by crane or folk lift
3. Take off the crate » Lifting unit place on the floor
4. Open cover and lift Control unit by crane or hands
 - » Control unit in the containing box » Control unit place on the floor
5. Open the Control unit cover to effect the Hydraulic, Air, Electric sensor and Remote control into Control unit
 - » 5.1 Control unit has connect the wires
 - » 5.2 Connect the Regular remote
 - » 5.3 Organizing wires into control unit
6. Fill the Hydraulic oil into the tanks 10 Liters to both of them
7. Equip the power supply cable with corresponding socket (according to the motor type) and connect it to the appropriate network socket. Connect the compressed air hose of the power unit to the air network. The air has to be cleaned, not oiled, and compressed from 6 to 8 bars



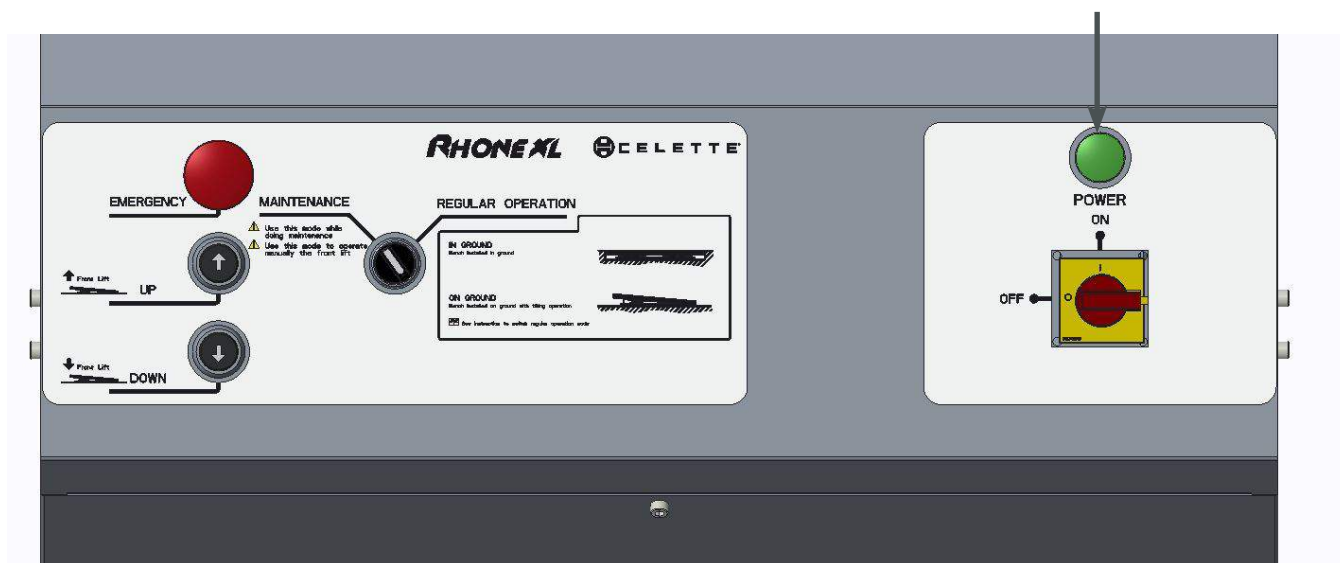
SHOULD THE LIFTING BE IMPOSSIBLE IN SPITE OF A CORRECT WORKING OF THE PUMP INVERT 2 PHASES TO MODIFY THE ROTATION DIRECTION OF THE MOTOR.



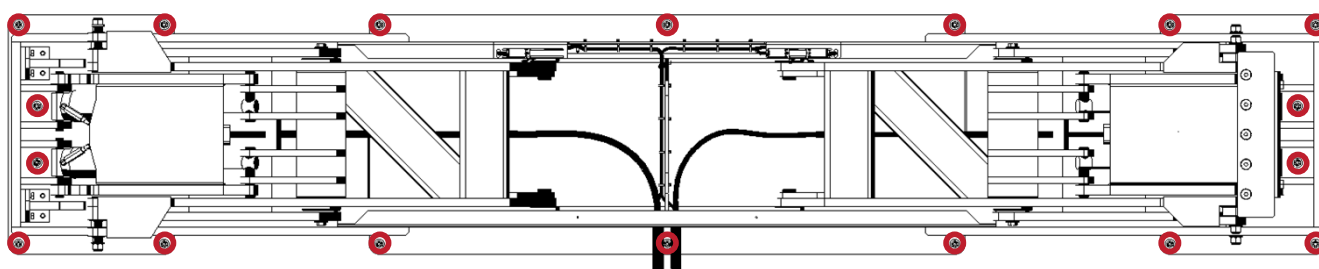
AN UNCLEANNED NETWORK MAY LEAD TO THE FILLING-IN OF THE ELECTRO VALVES INCLUDED IN THE POWER UNIT.

INSTALLATION PROCEDURE:

8. Close the Control unit cover and try to turn on the switch on top the green light should be on.



9. Fix the lifting unit to the ground with 18 expansion dowels (delivered).



10. Place the two support stands at the front of the base by fixing it with supplied bolt.



INSTALLATION PROCEDURE:

11. Assembly lifting unit joint to table.



Install the rotation shaft at the front table



Install table clamping at on the rear table and the lifting unit on the table clamp with the help of two rotating shafts



THE RHONE XL BENCH HAS TO BE FIXED TO THE GROUND BEFORE ANY UTILIZATION.

INSTALLATION PROCEDURE:

12. Press the UP button on the remote control to lift the Rhone XL.



Press the Regular remote UP to lift the Rhone XL



Press the Regular remote DOWN to down the Rhone XL

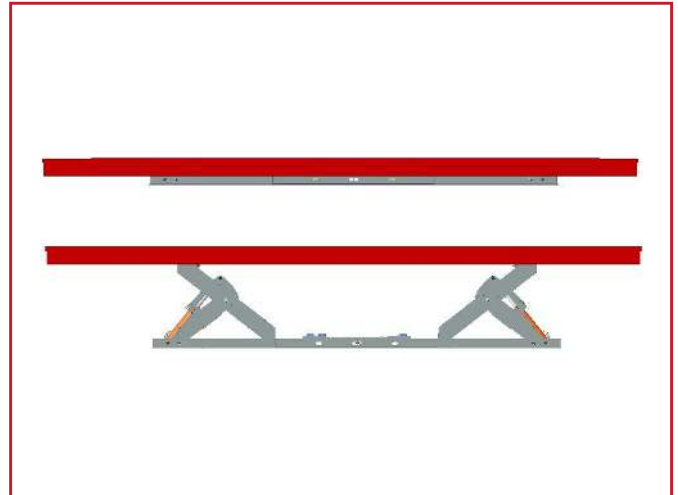


THE DOWN BOTTON HAS 2 STEP TO DOWN THE RHONE XL, PRIMARY CLICK THE RHONE XL WILL BE DOWN AND SAFETY MECHANISM IS ACTIVE, SECCOUND CLICK THE RHONE XL WILL BE DOWN AND SAFETY MECHANISM IS NOT ACTIVE

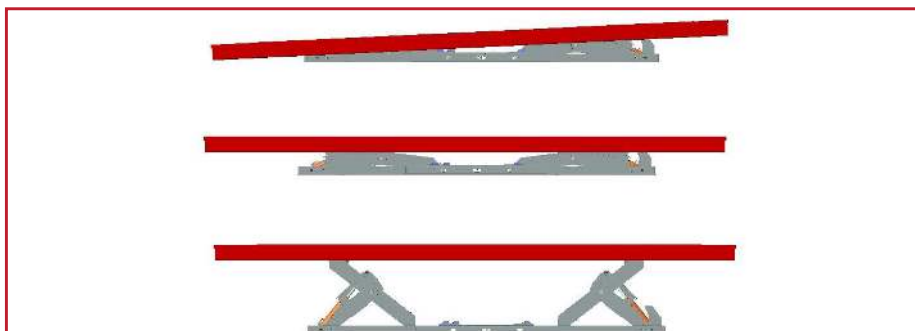
13. The assembly being effected, check the correct running of mechanical safety rack, while activating them several times (without any load) for them to come in their correct position without damaging the equipment. To effect this operation. The lift should work at the following steps.



Safety mechanism is active



In ground mode



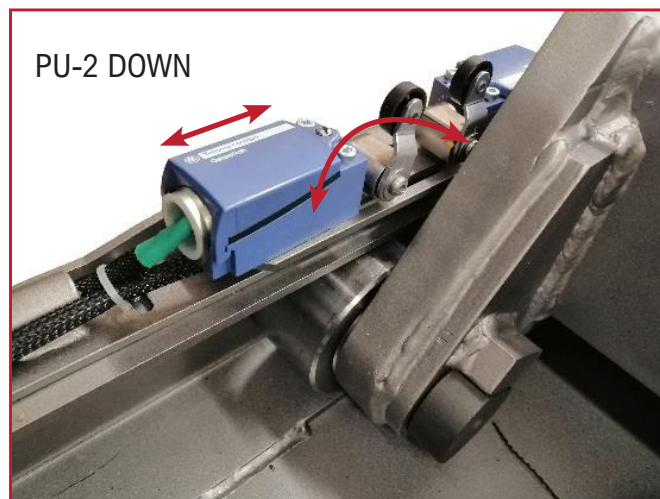
On ground mode

INSTALLATION PROCEDURE:

14. Balance the lifting level,
 - ▶▶ Place Inclinator at the middle of the bench.
 - ▶▶ Push the lifting button and check if the inclinometer is at -1.0 to +1.0 degree



- ▶▶ If the inclinometer is not in the range, adjust the rear limit switch to be triggered faster or slower.



15. Activate the lifting unit several times (without any load) to lubricate the contact surfaces, and for a smooth operation of the anti-rotating parts. The running-in being effected, do not forget to lower the safety element down again.
16. Install the set of clamps on the base. The anchoring clamp arms being fixed to the peripheral frame, the clamps will be inserted on the outer bended part of the arms.

INSTALLATION PROCEDURE:

17. Install the runway decking plates, the extension and the access ramps on the base.



The equipment being installed as described above, the bench RHONE XL 4.2 T is ready to be equipped with any adaptable checking, measuring, repair system, and with corresponding accessories of the CELETTE range.



AFTER THE FIRST UTILIZATION, WE STRONGLY RECOMMEND TO CHECK THE TIGHTENING OF THE 18 EXPANSION DOWELS FIXING THE BENCH TO THE GROUND. AN UNCORRECT FIXING COULD GENERATE IRREVERSIBLE DAMAGES.

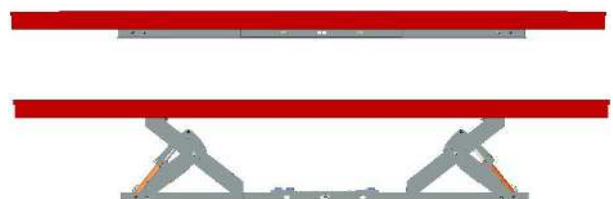
NB : A load test has to confirm the correct installation of the equipment.

The chart hereunder states the tests to be effected.

The results of the load test have to be signed at the end of the installation. Should the customer not be in a position to effect this test, he will have to commit himself to have this load test effected as soon as possible, while signing the report enclosed page 34.

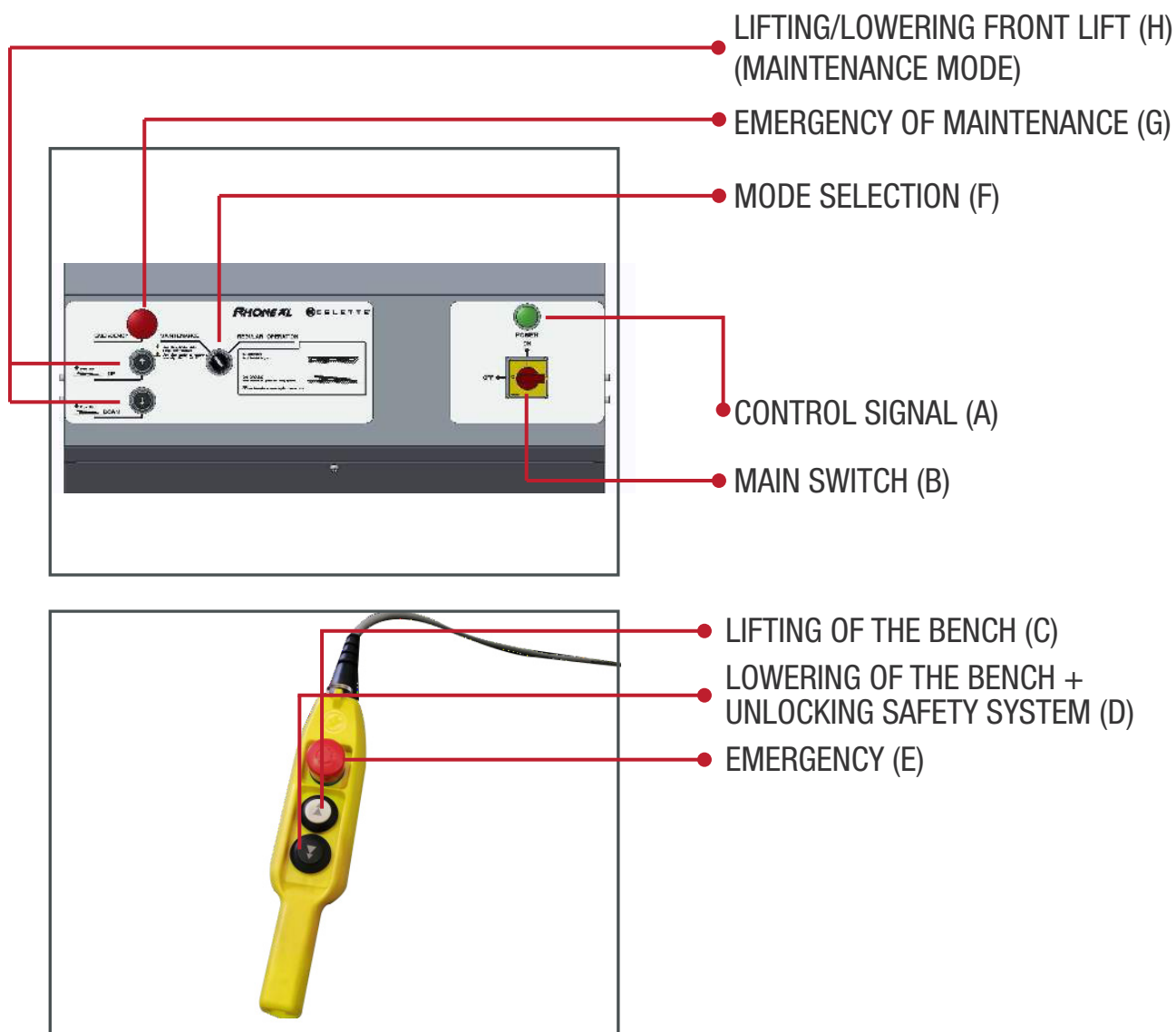
Test type	Load	Duration
Static test	6875 Kg	1 hour
Dynamic test	6050 Kg	Complete operation : lifting/lowering

DESCRIPTION OF THE EQUIPMENT:

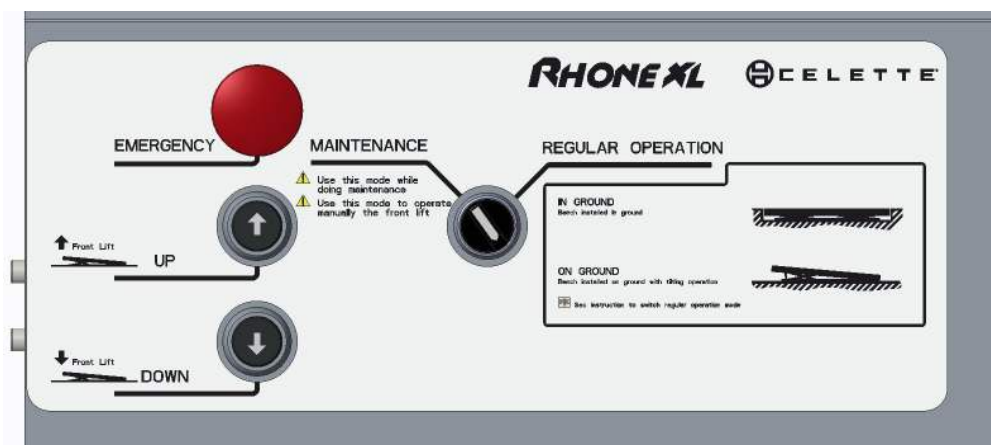


CONTROL AND HANDLING OF MAIN LIFTING UNIT:

1. CONTROL:



1.1 SELECTION MODE : INITIAL MODE WE SET BEFORE WE SHIP TO CUSTOMER.



REGULAR MODE – Select this mode for regular operation

– See instruction to configure between In ground and On ground installation

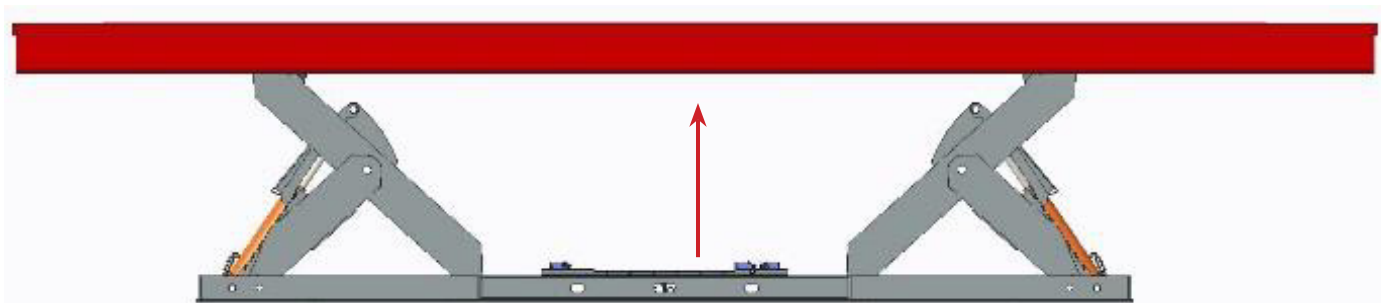
MAINTENANCE – Use this mode when maintenance or adjust balance level of bench

CONTROL AND HANDLING OF MAIN LIFTING UNIT:

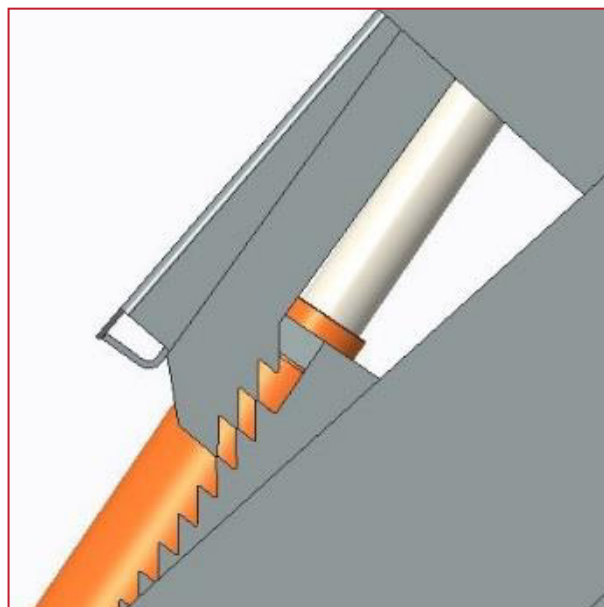
2. HANDLING:

Follow the safety instructions on the rear panel of the hydraulic power unit.
Before each operation, check that the power unit is under pressure (A).

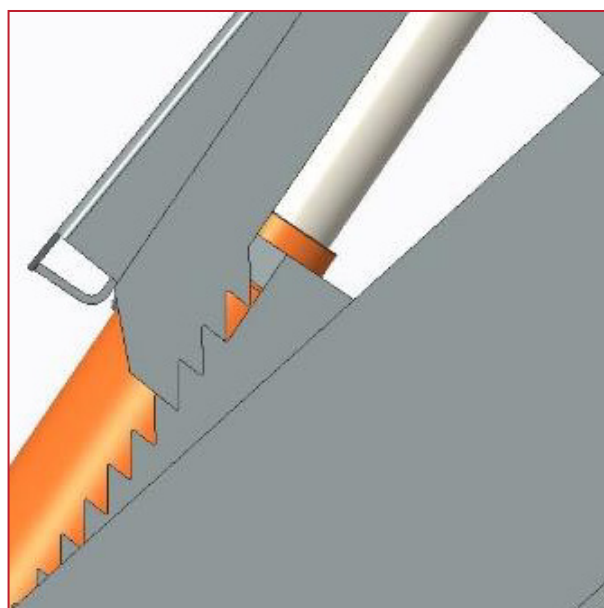
LIFTING:



- I Activate drive (C) while pressing the key unit selected height.



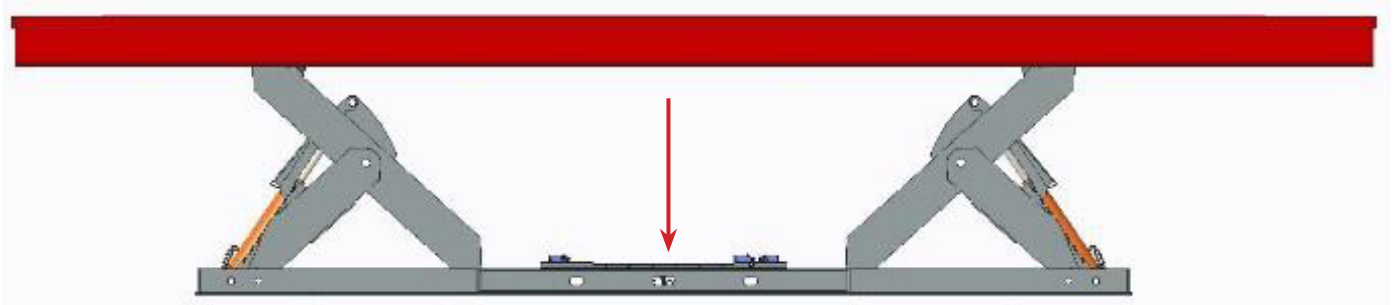
- II Press the lowering control key (D)
 - » Light pressure
 - » To place the safety unit on its safety racks.



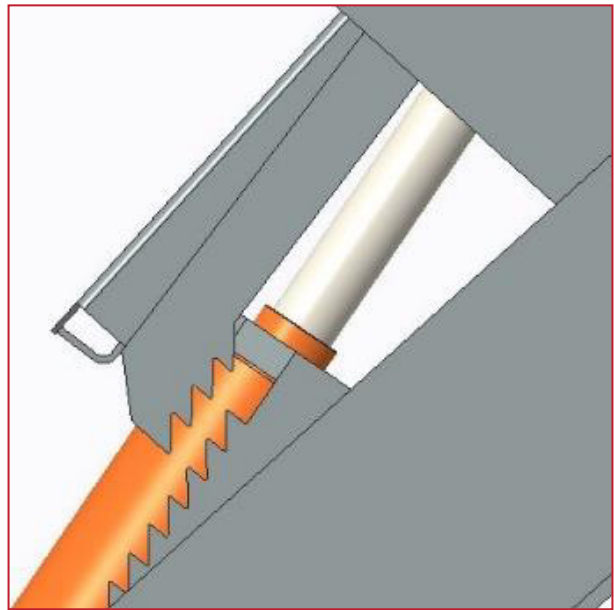
WHILE IN USE, ALWAYS PLACE THE SAFETY SYSTEM OF THE LIFTING UNIT ON ITS SAFETY RACKS.

CONTROL AND HANDLING OF MAIN LIFTING UNIT:

LOWERING:



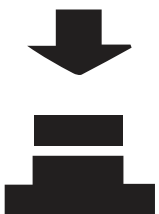
- I Activate drive using (C) to unlock the Safety system.



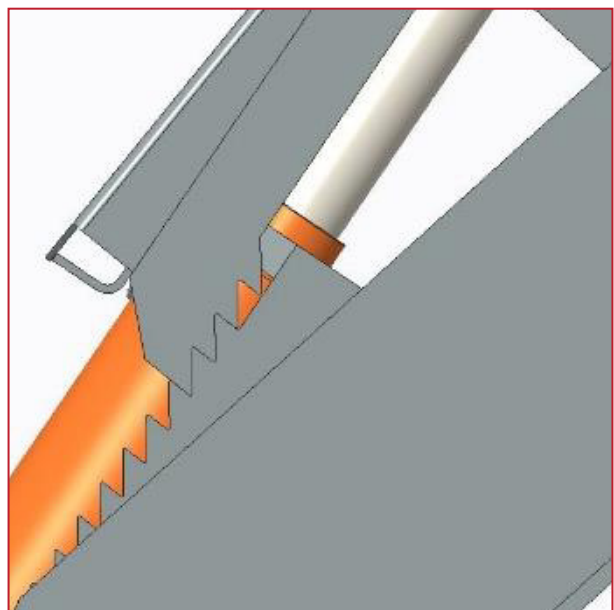
- II Activate the lowering control
Key (D) – Important pressure unit
selected height.



IMPORTANT PRESSURE
Unlocking of safety units
and Lowering

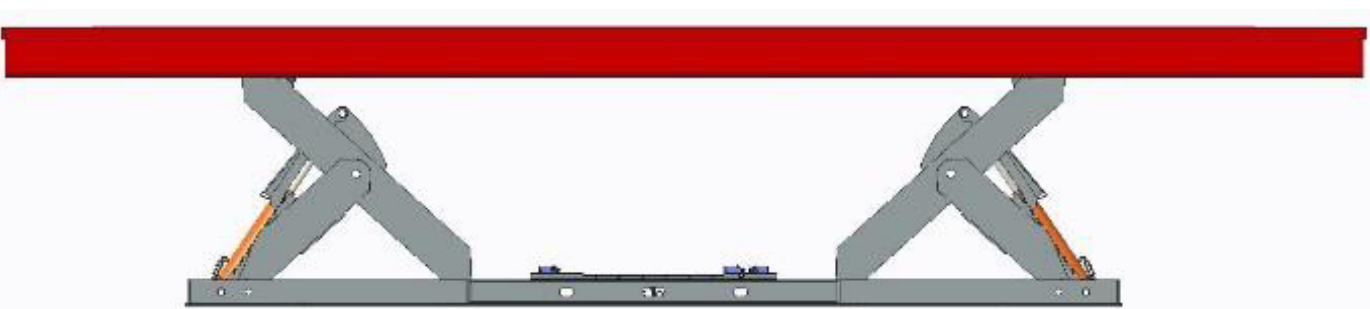
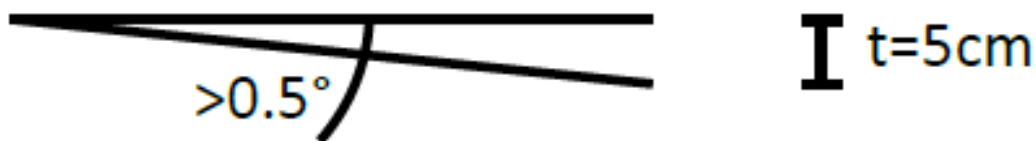


LIGHT PRESSURE
Lowering for Locking of
safety units



CONTROL AND HANDLING OF MAIN LIFTING UNIT:

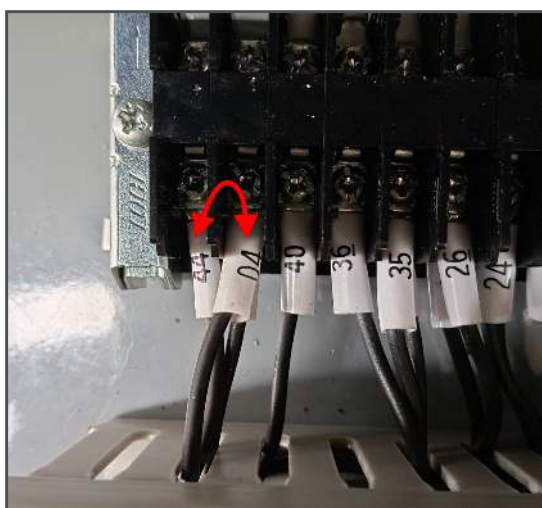
3. LEVEL ADJUSTING:



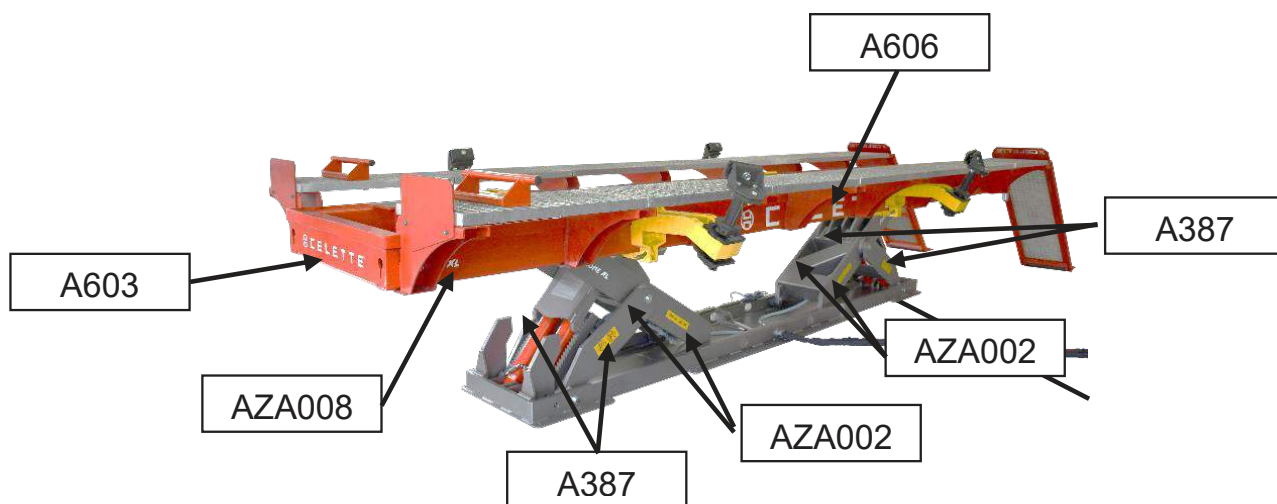
- I In case, The table is not flat more than 0.5 degree, t=5cm you must switch the selector mode to Maintenance mode.
- II Press UP/DOWN button (H) at Maintenance remote for adjusting level of table to flat.
- III After adjusted should select back to normal more (in ground mode or on ground mode). flat.

CHANGING REGULAR OPERATION TO IN-GROUND INSTALLATION:

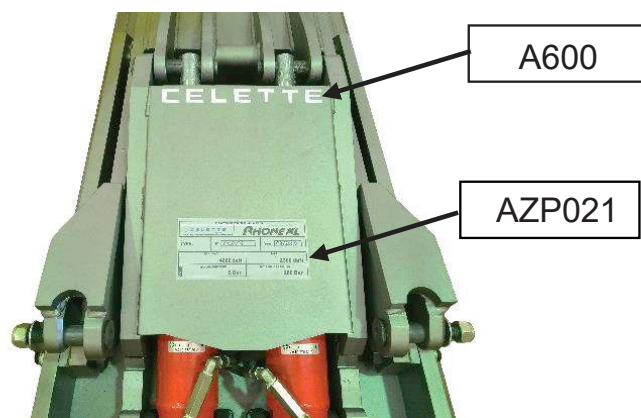
- Change wiring 04 inside the cabinet from number 43 (On-ground) to number 44 (In-ground).
- Change closed socket from LS-6 connector to LS-2 connector.



STICKERS:



STICKERS ON BENCH & LIFT	QTY	STICKERS ON POWER UNIT	QTY
A603	2	AZA006	2
A606	2	A400.5	2
AZP007	1	A400.1	1
A346	1	A400.3	1
A384	4	A400.4	4
A600	1	A346	1
AZA008	8	AZP020	8
AZA037	4	AZA006	4
AZA035	1	AZA035	1
AZA036	1	AZA038	1
AZP020	1	AZA036	1
AZP021	1	AZA008	1
A611	1	A611	1
AZA038	1		



STICKERS:

Should stickers A346, A.387 or AZA002 be damaged, it is imperative to replace them upon request to CELETTE.

Should the other stickers be damaged, it is possible to replace them in the same way.

A346

INSTRUCTIONS D'UTILISATION - CONSIGNES DE SECURITE

Cet élévateur doit être utilisé uniquement lorsqu'il est relié et verrouillé au marbre.

L'utilisation de l'élévateur n'est autorisée qu'aux personnes de plus de 18 ans.

La présence de personnes sous ou dans le véhicule lors des opérations de levage et de descente est strictement interdite.

Le levage de charges dont le poids est supérieur à celui indiqué sur l'élévateur est interdit.

Le personnel utilisant le matériel doit constamment surveiller le véhicule lors des montées et descentes. Avant la descente, tous les accessoires se trouvant dans la zone de travail du marbre doivent être éloignés.

Les instructions d'utilisation de l'élévateur et les contrôles réguliers sont à suivre soigneusement.

OPERATING INSTRUCTIONS - SAFETY PRECAUTIONS

The lifting unit will be used only after connection and locking to the bench. The utilization of the lifting unit is not allowed to people under 18 years old.

It is prohibited to stay under or in the car during lifting or lowering operations.

The lifting of weight exceeding the one stated on the lifting unit is not allowed.

The staff using the device must continuously check the vehicle during lifting or lowering operations.

Before placing the unit down, remove all accessories within the bench area.

Operating instructions and regular checkings have to be carefully followed.

VERWENDUNGSANLEITUNGEN UND SICHERHEITSVORSCHRIFTEN

Die Hebebühne darf nur in Verbindung und nach Verriegelung mit der Richtbank verwendet werden. Das Hebesystem darf nicht von Personen unter 18 Jahren bedien werden.

Es ist strikt verboten, sich unter oder auf der Hebebühne beim Heben oder Ablassen zu befinden.

Die zulässige Nutzlast darf nicht überschritten werden.

Beim Anheben oder Ablassen soll das Fahrzeug ständig überwacht werden.

Vor jedem Ablassen müssen alle Störteile, die sich in der Nähe der Richtbank befinden, entfernt werden.

Die Betriebsanleitungen des Hebesystems und die regelmäßigen Überwachungen müssen sorgfältig beachtet werden.

ISTRUZIONI PER L'USO - NORME DI SICUREZZA

Il sollevatore deve essere utilizzato soltanto dopo collegamento e bloccaggio sul banco.

L'utilizzazione del sollevatore non è autorizzata ai minori di 18 anni.

E vietato restare sotto o dentro al veicolo durante le operazioni di sollevamento e di discesa.

Il sollevamento di carichi superiori al peso indicato sul sollevatore è proibito.

Gli utilizzatori del sollevatore devono sorvegliare costantemente il veicolo durante il sollevamento o la discesa.

Prima della discesa, tutti gli accessori presenti nella zona di lavoro del banco devono venire rimossi.

Le istruzioni per l'uso e i controlli regolari del sollevatore devono essere seguiti accuratamente.

INSTRUCCIONES DE UTILIZACION - CONSIGNAS DE SEGURIDAD

Este elevador deber ser utilizado solamente cuando esta conectado y sujeto al banco.

Unicamente puede ser utilizado por mayores de 18 años.

La presencia de personas debajo o dentro del vehículo prohibida.

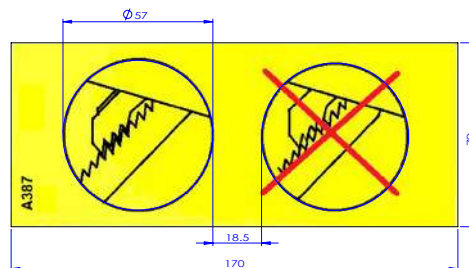
La subida de cargas cuyo peso sea superior a lo indicado en el elevador esta prohibida.

Los operarios deben vigilar continuamente el vehículo durante las subidas y bajadas.

Antes de la bajada, todos los accesorios que se hallen en la zona de trabajo cerca del banco deben ser retirados.

Seguir con suma atención las instrucciones de utilización del elevador asi como los controles periodicos del mismo.

A387



AZA037



IDENTIFICATIONS PLATES:

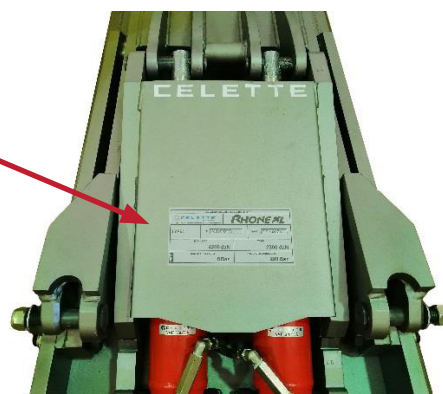
1. The identification plate of the power unit is fixed on the rear panel

ELEVATEUR DE VEHICULE/VEHICLE LIFT			
		RHONE XL	
CELETTE France SAS • 3 Route de Bochevièvre • 38200 Vienne • France		CE	
TYPE:	N°	Year:	
PRIMARY VOLTAGE	PHASE NUMBER	FREQUENCY	AMPARAGE
V	~	HZ	A
SECONDARY VOLTAGE	MAX AIR PRESSURE	HYDRAULIC PRESSURE	
	8 Bar	280 Bar	



2. On the lifting unit, the identification plate is located on the safety element of the main lifting unit:

ELEVATEUR DE VEHICULE / VEHICLE LIFT			
		RHONE XL	
CELETTE SAS • 3 Route de Bochevièvre • 38200 Vienne • France		CE	
TYPE:	N°	Year:	
MAX LOAD		TARE	
5500 daN		2300 daN	
MAX AIR PRESSURE	HYDRAULIC PRESSURE		
8 Bar	280 Bar		



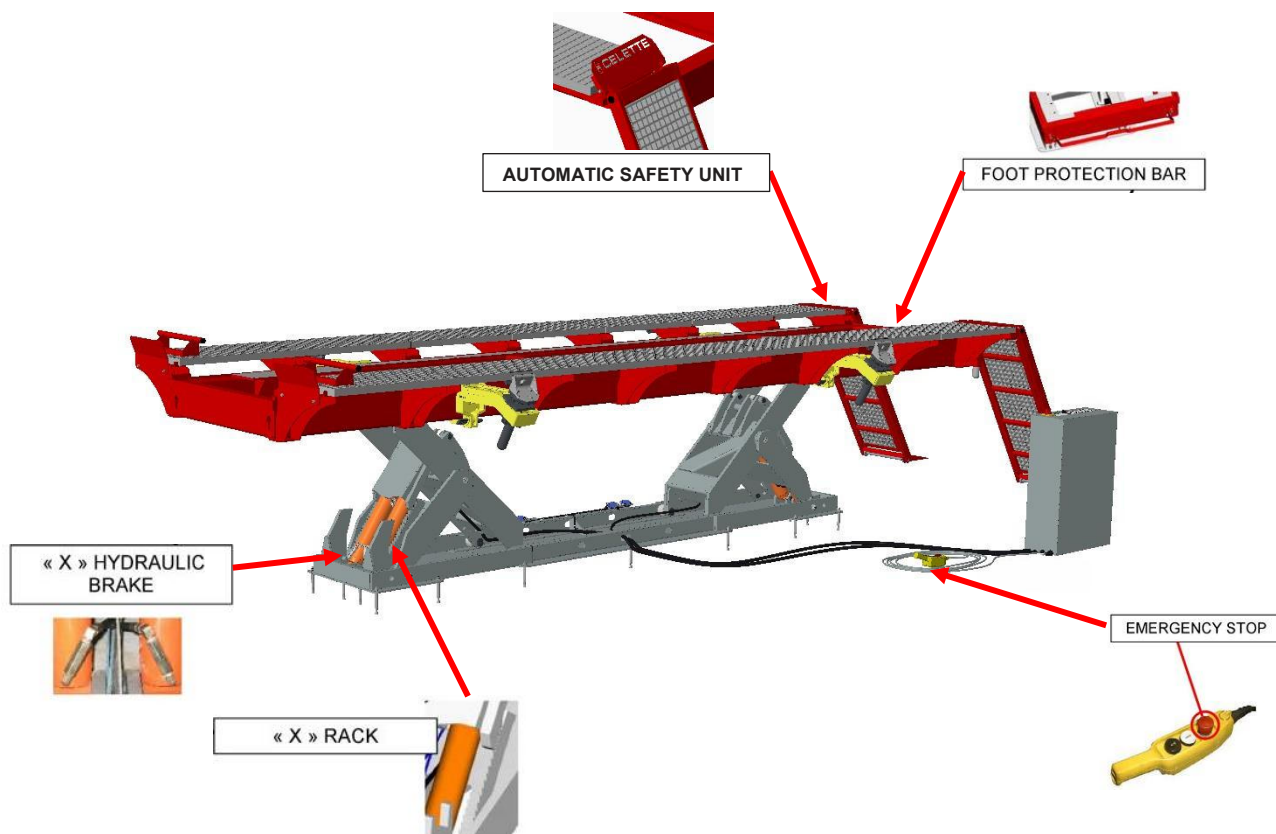
3. On the base, the identification plate is on the front cross member:



 CELETTE®	
TYPE : RHONE XL	
N°	

NB: Should one of these plates be damaged, it is imperative to replace it upon request to CELETTE.

SAFETY SYSTEMS:



- FOOT PROTECTION BAR:** Safety bar to prevent the feet from going under the base being tilted.
- EMERGENCY STOP:** Safety button to stop the bench instantaneously.
- SAFETY RACK:** Mechanical safety system blocking the lowering operation by means of steel notches in case of hydraulic trouble.
- HYDRAULIC BRAKE:** System limiting the oil leaking in the jacks area and enabling a slow and amooth lowering, whatever the load may be.
- AUTOMATIC SAFETY STSTEM:** System designed to fix the vehicle on the runway dacking plates.

POSSIBLE RISKS	
RISKS	SOLUTIONS
Crushing - Pinching out	Foot protection bar
Cutting	Control unit with continuous activation system
Hydraulic leakage	Automatic locking of safety systems (mechanical rack)
Hose breaking	Lowering control system with valve
High pressure fluid projection	Overpressure preventer
Activation of the lifting unit during a repair or maintenance operation	Main switch with padlock system
The vehicle is moving around on the lifting unit	Automatic anchor post / Removable support
Fluid projection	IP54 Power unit

BALANCE OF WEIGHTS:

MAXIMAL LOAD CAPACITY: 5500 KG divided in 2/3, 1/3 on each axle OR on sill clamps



UTILIZATIONS:

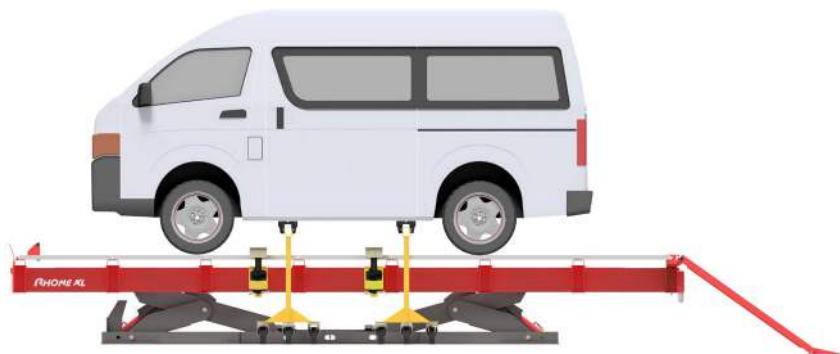
1. Installation of a running vehicle on the base:

I Slowly and smoothly lift up the vehicle.



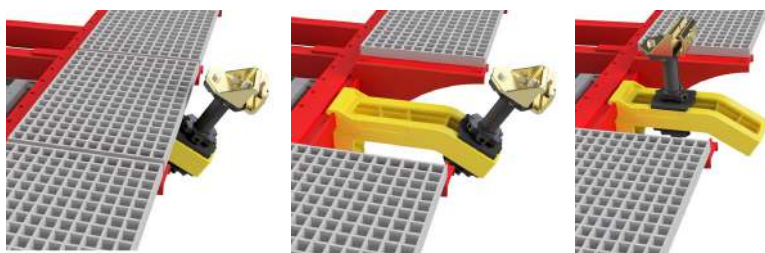
II Place the bench horizontally on the safety element.

Install the 4 locking wedges nearby the wheels.



UTILIZATIONS:

- III** Lower the base to place the vehicle on the 4 axle stands.

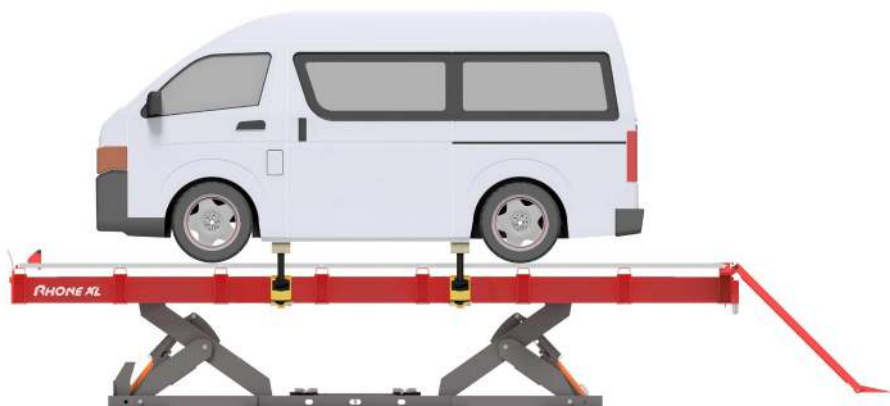


- IV** Remove the runway decking plates to install the clamps.

- V** Lift the base to anchor the vehicle. Remove the axle stands.



- VI** Vehicle ready to be repair.



ANCHORING CLAMPS ARE LOCATED CLOSE TO THE FRONT AND REAR AXLES, THEN LOAD BALANCE SHOULD RESPECT 33% - 66%, DO NOT GO FURTHER THIS BALANCE.



FOR SAFETY, KEEP ONE RAMP UNDERNEATH EACH WHEEL, WHEN POSSIBLE JUST IN CASE OF CLAMP ISSUE

UTILIZATIONS:

2. Installation of a vehicle with one non rolling axle on the base:

I The vehicle will be towed with the winch, which cable will be fixed directly:

- ▶▶ To the trolley on case this trolley replaces the front axle.
- or
- ▶▶ To the vehicle, should it replaces the rear axles



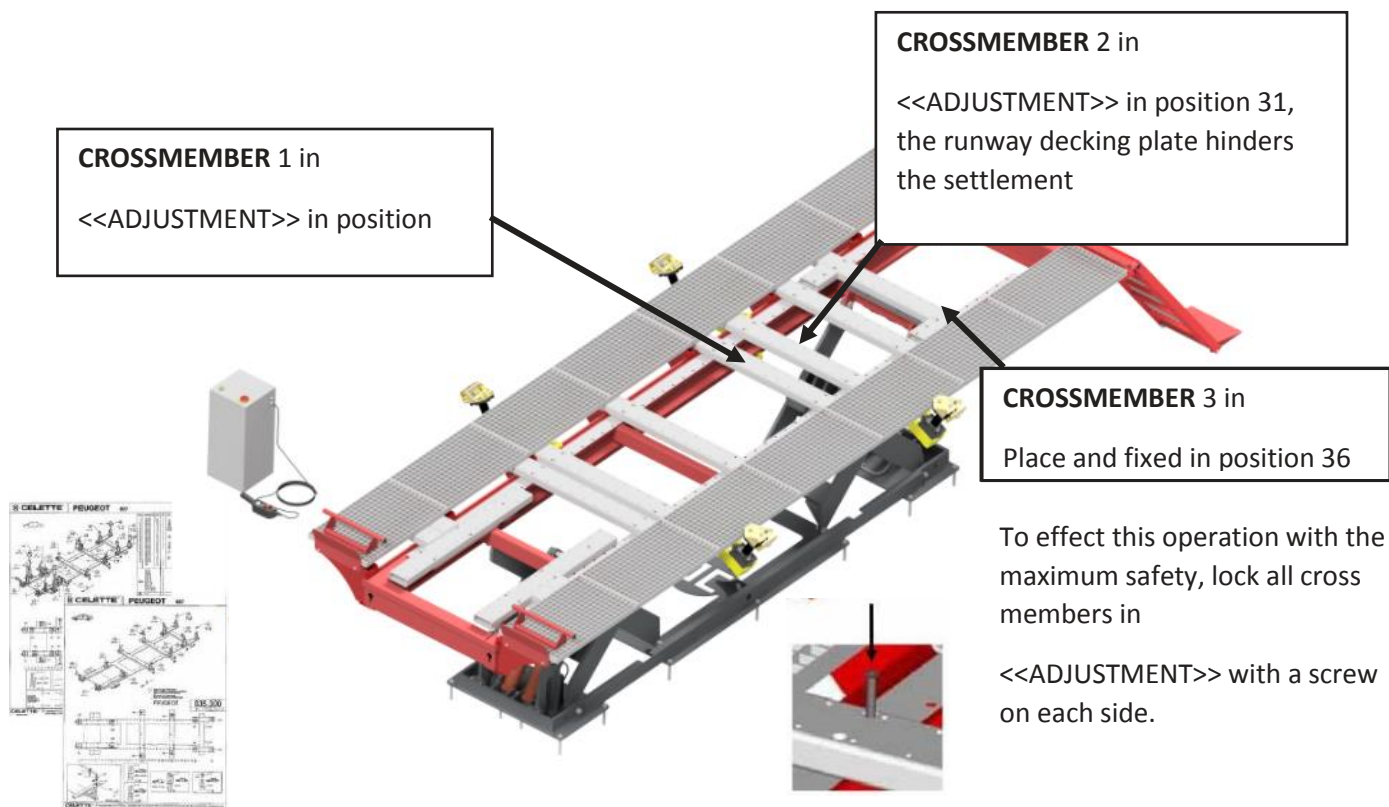
II Place the bench horizontally on the safety system.

OPTIONS:

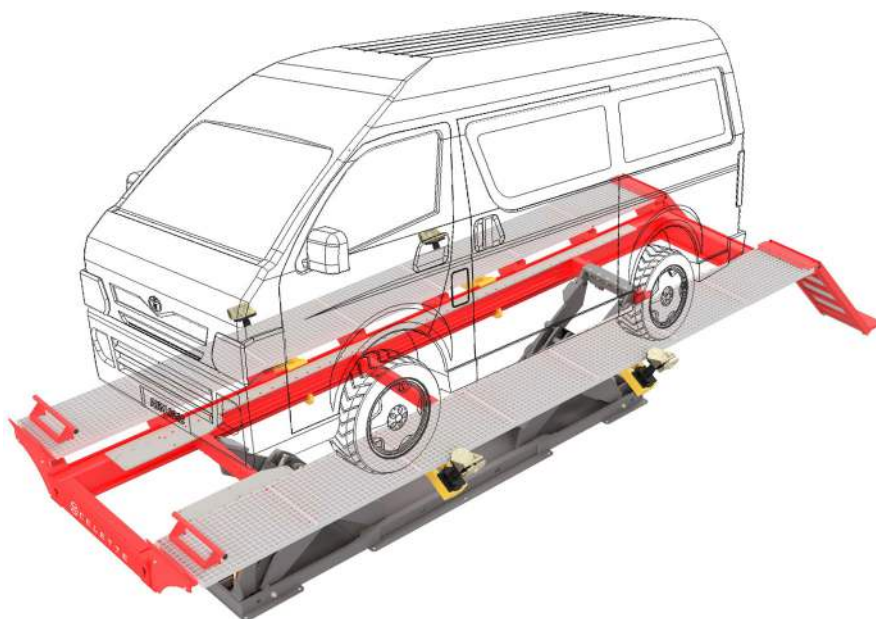
1. The MZ System and CAMELEON System

- Install the bench by means of the MZ datasheets while effecting a previous adjustment of the cross members (it is easier to place them before placing the vehicle on the bench):

As an example, 3 cross members are necessary:

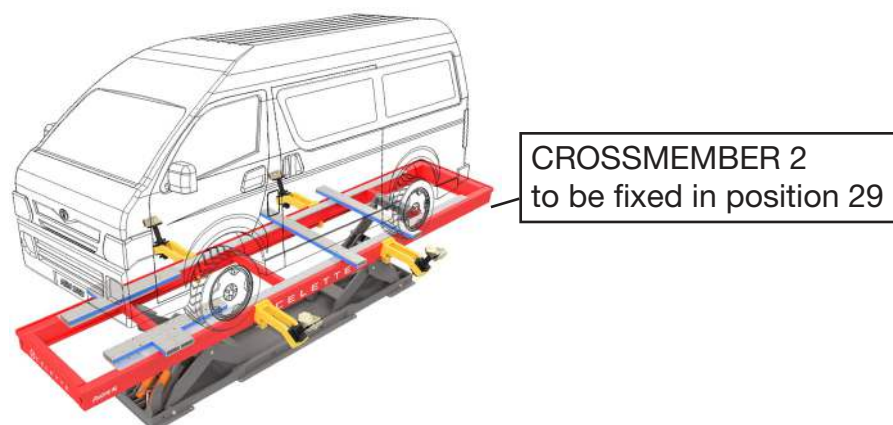


- Roll the vehicle on the bench, as shown on the page 24:



- If not effected, remove the elements of the runway decking plates which may hinder the fixing of the cross members.

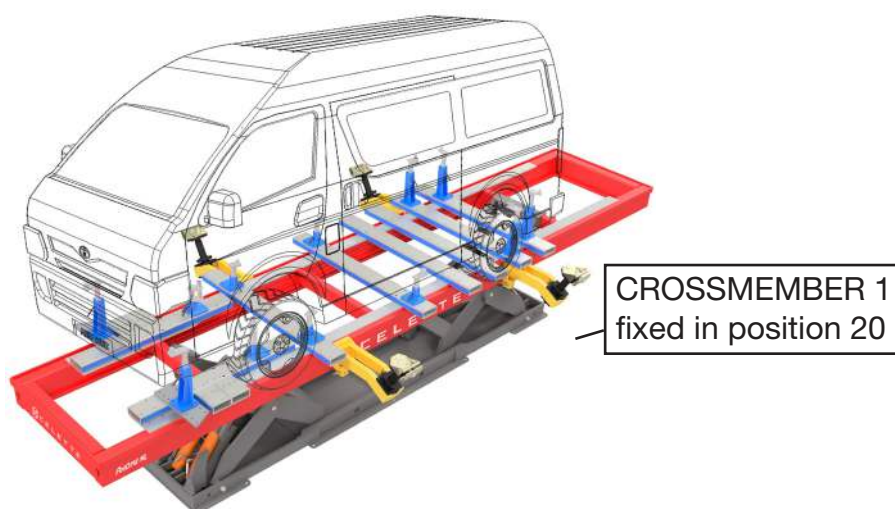
OPTIONS:



- Install the necessary and sufficient quantity of MZ towers to install the vehicle on the bench. Adjust its position on the brackets while shifting the vehicle by means of the axle stands.

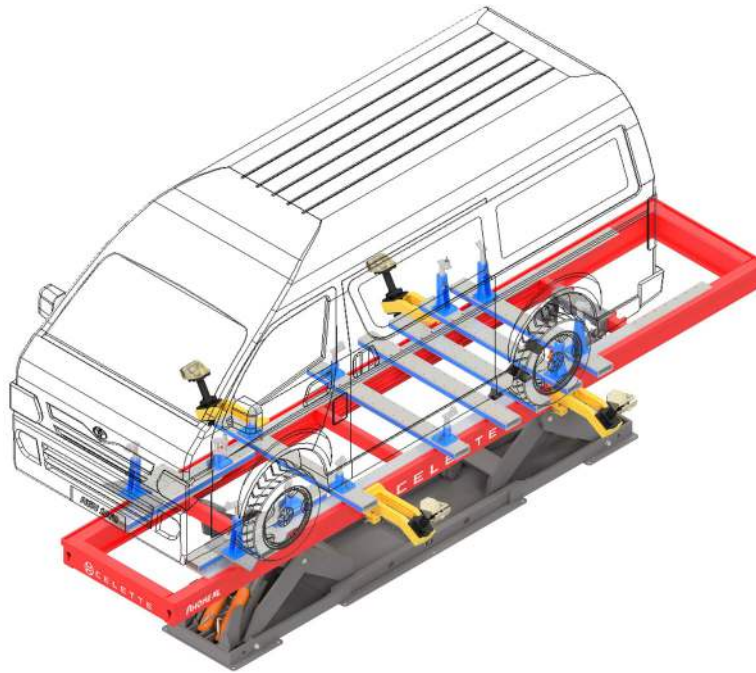


THE TECHNICIAN, SUCH AS EVERYONE ON THE WORK BAY, SHOULD STAY 1.50M AWAY FROM THE LOAD DURING EACH LIFTING OR LOWERING OPERATION.



- Complete the installation of tower and bracket sets, lock the underframe of the vehicle by means of the anchoring clamps.

OPTIONS:

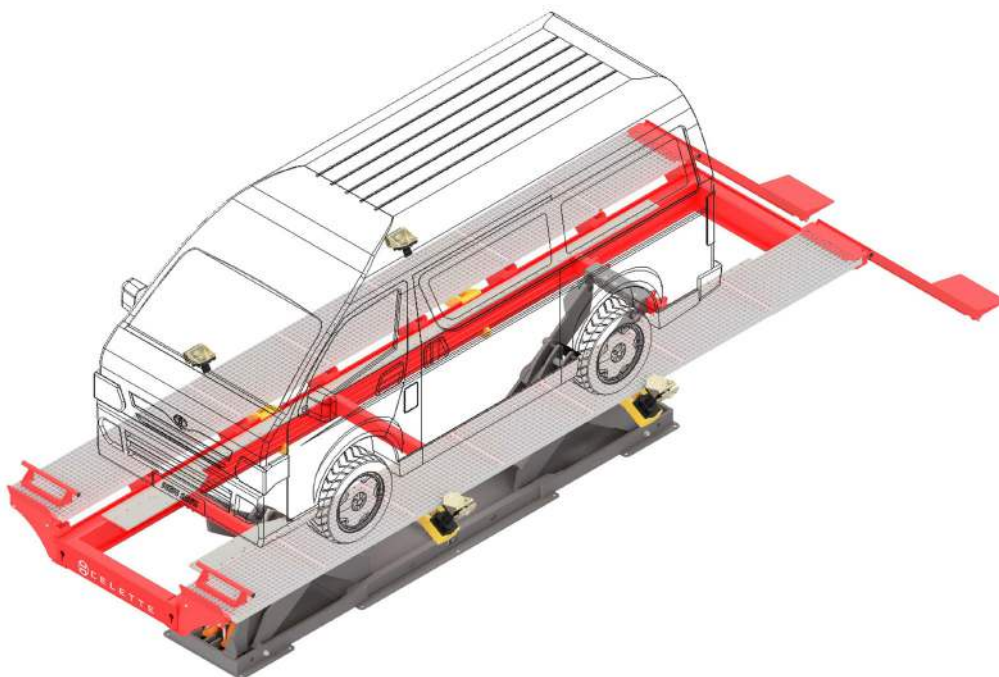


The vehicle is ready to be repaired

►► The repair being over, proceed in the reverse way to release the vehicle.

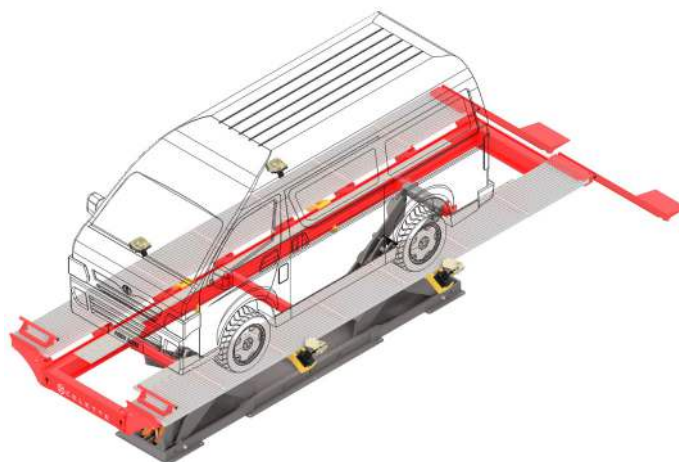
2. NAJA Electronic measuring system

►► We recommend to use the static clamp. Install the vehicle on the bench as shown on page 24.

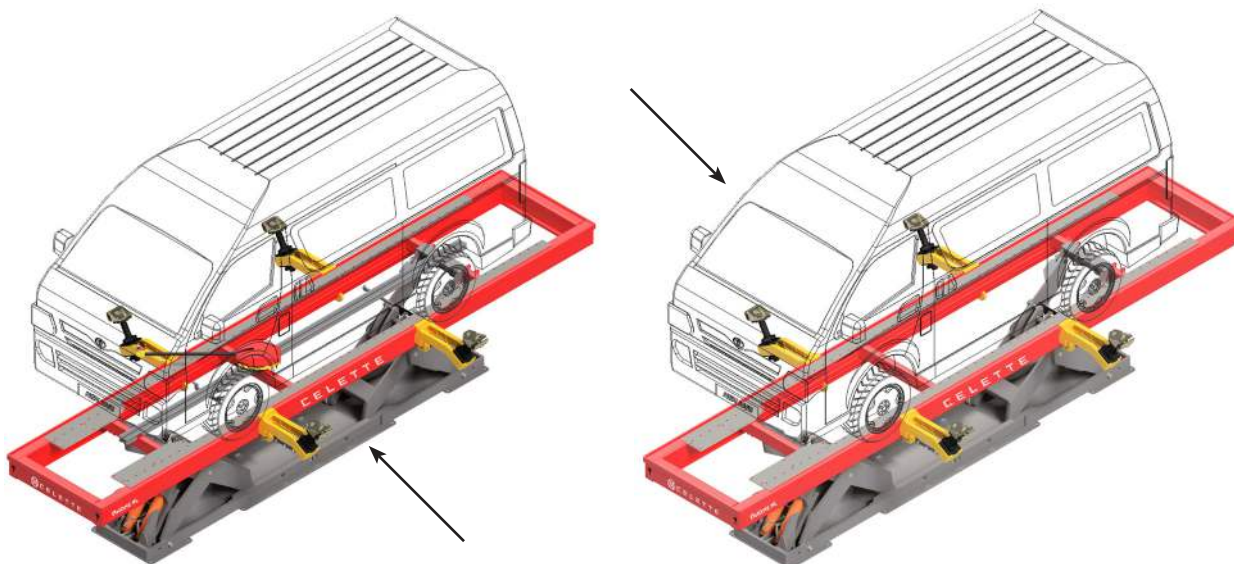


OPTIONS:

- ▶▶ Lift the vehicle with the axle stands, as shown on page 24:



- ▶▶ Remove the runway decking plates. Anchor the vehicle on the clamps.



- ▶▶ Fix the NAJA rail supports on the base and place the NAJA above. Install the measuring top, repair
- ▶▶ The repair being over, proceed in the reverse way to release the vehicle.

ACCESSORIES:

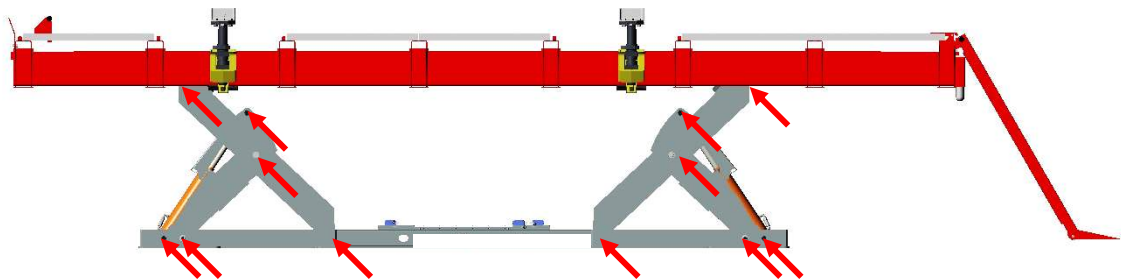
To make your job easier, a large range of options and accessories can be used together with this equipment.

Contact your agent to get the complete list and availability.

MAINTENANCE:

To insure the reliability and durability of your equipment, we recommend to effect following checking regularly (at least once a year):

- ▶▶ The oil level of the power unit tank. To effect this operation, the lifting unit has to be completely lowered.
- ▶▶ The condition of hydraulic and pneumatic hoses (Possible leakages or scratching).
The hydraulic pressure gauge can be connected (connection thread M16x2.00) to hydraulic testing point in front of each outlet ports in the power unit. The hydraulic pressure requirement is 280 bars.
- ▶▶ The condition of the electric wires.
- ▶▶ The waterproofness and look of the jacks.
- ▶▶ All connections of the bench, of the power unit, of the possible options and accessories (hydraulic, pneumatic, electric).
- ▶▶ The look of the safety system notches of the lifting unit.
- ▶▶ The condition of the ball bearings.
- ▶▶ The condition of the safety stickers.
- ▶▶ The tightening of the fixing screws to the ground.
- ▶▶ The lubrication of mobile or orientable points.
- ▶▶ The condition of the runway decking plates.
- ▶▶ The levelness of the bench.
- ▶▶ The general look of the bench.



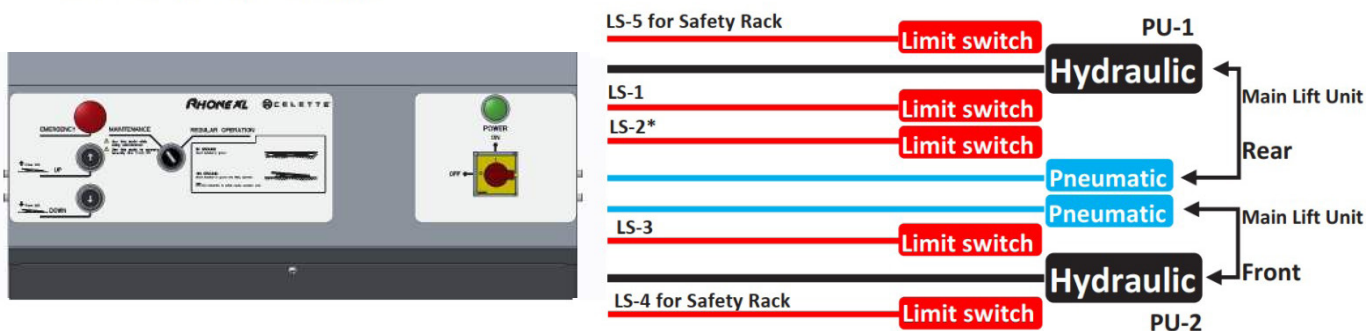
In case of trouble, it is imperative to effect level checking or repairs to maintain the conformity of the equipment utilization. The spare parts have to be homologated by the manufacturer.



BEFORE ANY MAINTENANCE OPERATION, IT IS IMPERATIVE TO PLACE THE BENCH HORIZONTALLY AND TO FIX IT ON ITS MECHANICAL SAFETY UNIT.

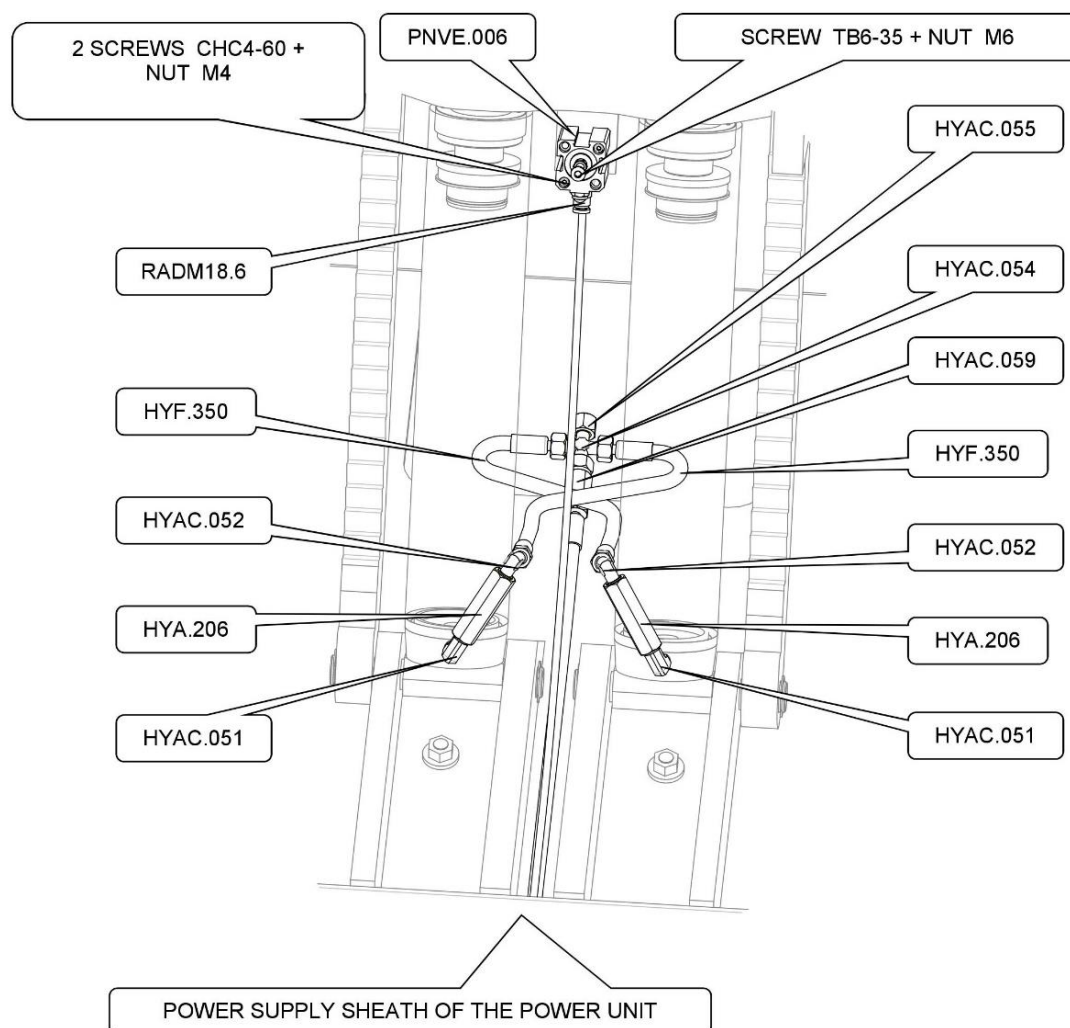
CONNECTION POWER UNIT / BENCH:

►► POWER UNIT SHEATH:



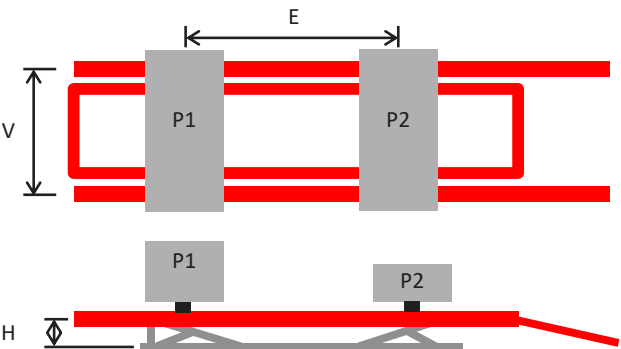
*LS-2 is changed to LS-6 (Front lift) for In-Ground installation

►► POWER UNIT / MAIN LIFTING UNIT:



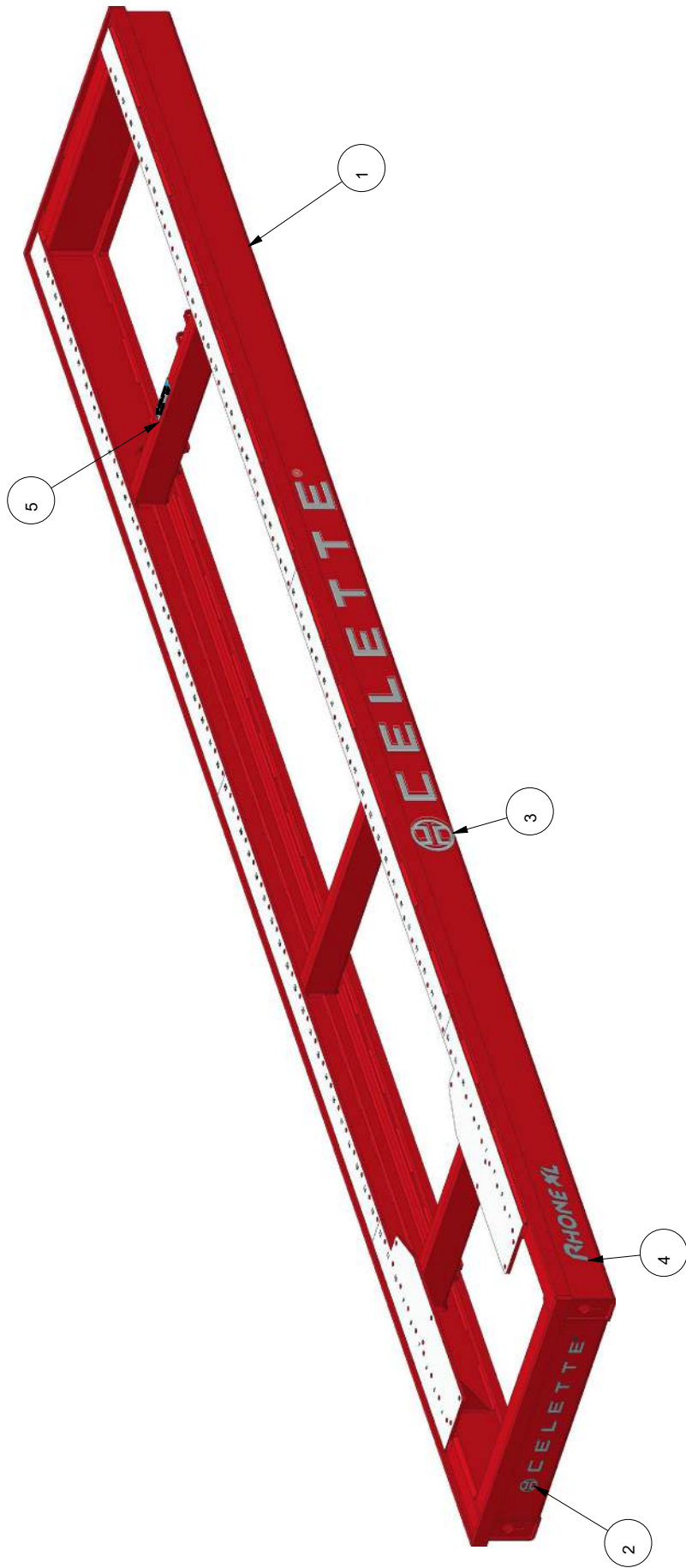
DYSFUNCTIONS:

CAUSE OF THE DYSFUNCTION	CHECKING	SOLUTION
The control light dose not light on. No movement possible.	General energy supply Main break switch (IG)	Connect the energy supply to a receptacle Place the main switch in ON position Check the general energy supply of the control panel and of the workshop
The control light lights on. No movement possible.	Motor thermal break switch (C1) Motor contactor coil	Contact the After Sales Service Start C1 again
No lowering possible.	Compressed air supply Coil of the hydraulic discharge electro valve	Connect the device to a compressed air supply Check the workshop pneumatic pressure Contact the After Sales Service

 CELETTE®		TRIAL LOAD AT INSTALLATION			
Customer name					
Address					
Type of load event set up during the test			Specification		
Test load according to standard EN1493			Mass (kg) – dimension (mm)		
<i>(Load description)</i>  H = Height V = Way E = Footing P1 = 2/3 Total load P2 = 1/3 Total load STATIC TEST P = 6875 Kg P1 = 4585 Kg P2 = 2290 Kg DYNAMIC TEST P = 6050 Kg P1 = 4035 Kg P2 = 2015 Kg					
DURING LOAD TEST, BENCH SHOULD KEEP HORIZONTAL POSITION (<1°) PRESSURE LIMITER SETTING 110% (308 bars)					
Test realized by (company name)					
Represented by					
Date of test					
Representative signature					
IN CASE THE HAS NOT BEEN PERFORMED AT THE TIME OF INSTALLATION, THE CUSTOMER IS BOUND TO GET IT DONE AS SOON AS POSSIBLE.					
PERSON IN CHARGE		DATE		SIGNATURE	

DIAGRAMS

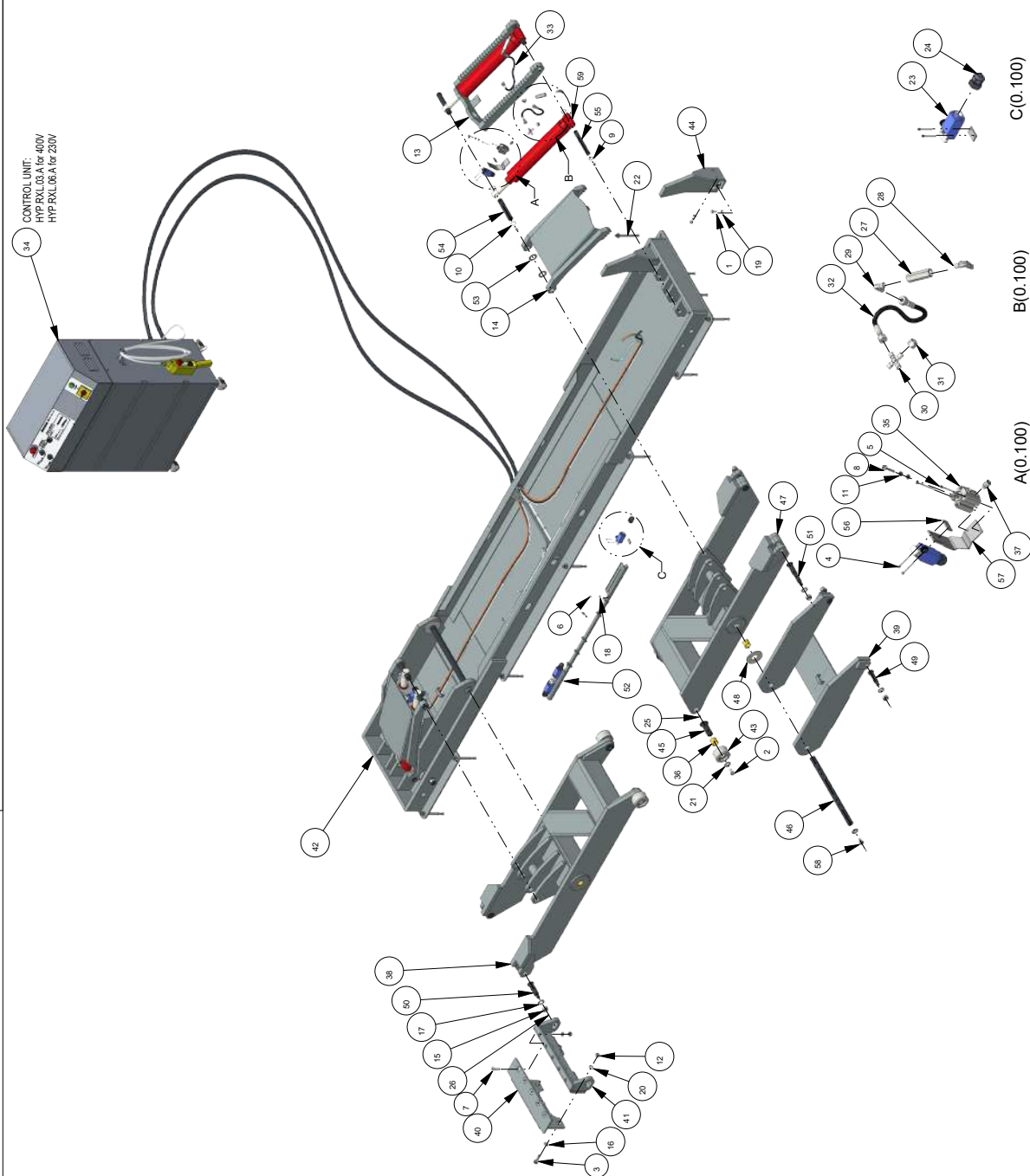
REP	REFERENCE	DESIGNATION	MASSE	NB
1	9186.312FAB	XL-BENCH	924.000	1
2	A603	Sticker " CELETTE "	0.141	2
3	A606	Sticker " CELETTE "	0.200	2
4	AZA008	Sticker " RHONE XL "	0.142	2
5	AZP007	PLATE "RHONE XL"	0.020	1
9186.312R -RA3-1			925.0 KG	
18-10-2022			REV 01	





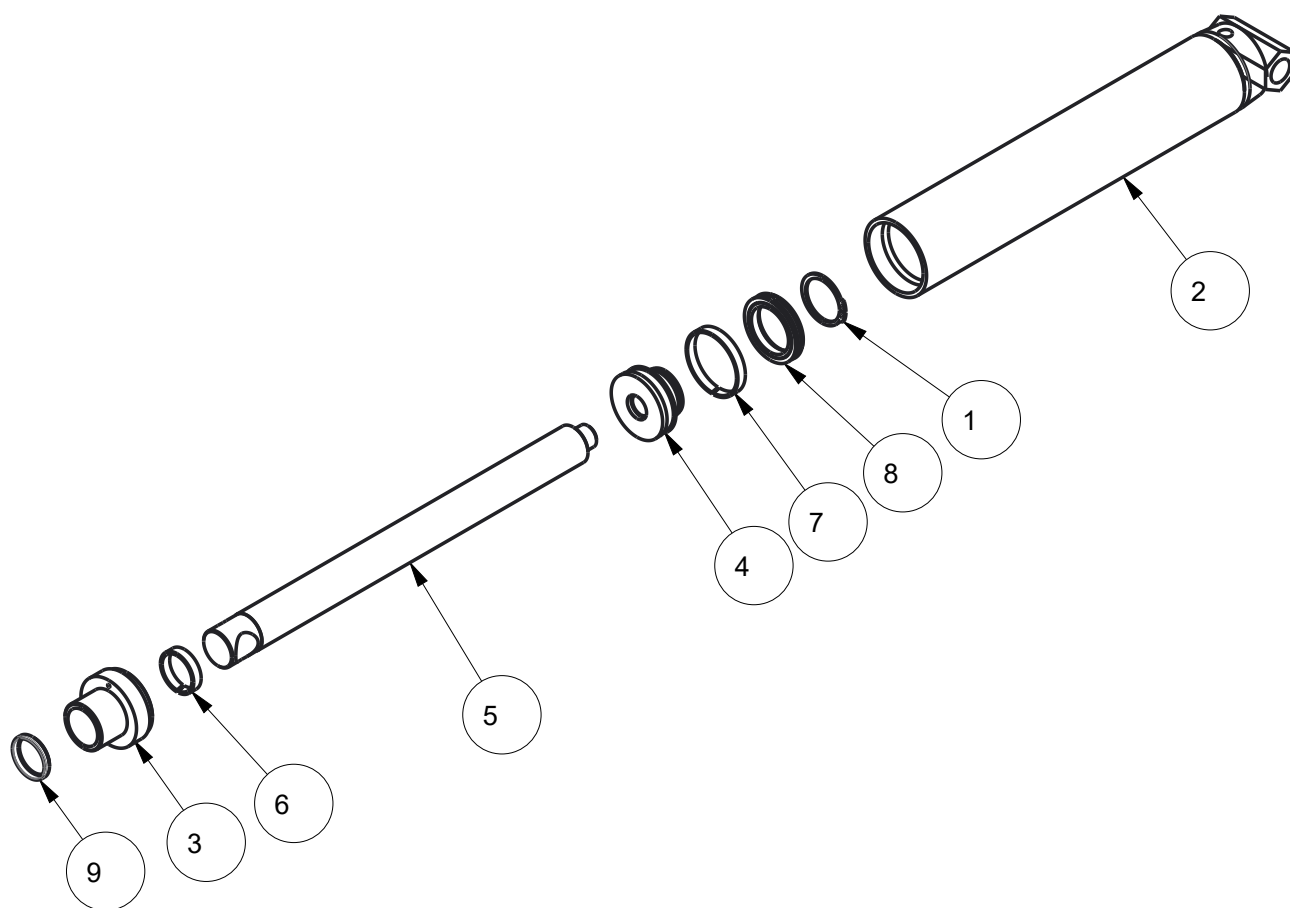
CELETTE®

Rhone XL Lifting Unit - ON GROUND



RH18XL.01.420.X

REP	REFERENCE	DESIGNATION	MASSE	NB
1	71120253Z	VS HM125ZNGJEE	0.040	8
2	71160253Z	VS HM125ZNGJEE	0.078	4
3	71160253Z	VS HM1650ZNGJEE	0.118	2
4	76A00055Z	VS CHC MAX35 ZNGJEE	0.005	10
5	76A00055Z	VS CHC MAX60 ZNGJEE	0.007	4
6	76A00055Z	VS CHC MAX10 ZNGJEE	0.005	2
7	7716A455Z	VS TFCM16-45	0.080	5
8	7716A455Z	VS SIX PANS CREUX 6X35 SS TETE	0.010	2
9	7825E	CIRCLIPS EXTERIEUR Ø25	0.002	8
10	7833E	CIRCLIPS EXTERIEUR Ø30	0.001	8
11	91680Z	ECROU MATRICE M6 CL18	0.003	4
12	91680Z	ECROU HM16ZNGJEE	0.035	7
13	91770.7004	SECURITE INFERIEURE	18.139	2
14	91770.7005	SECURITE SUPERIEURE	14.209	2
15	93203NY	ECROU FREIN M20	0.187	8
16	96164Z	RONDELLE M12ZNGJEE	0.012	2
17	96204Z	RONDELLE M20ZNGJEE	0.021	8
18	976Z	RONDELLE GROUVER ACIER W6	0.002	2
19	976Z	RONDELLE GROUVER ACIER W12	0.008	8
20	976Z	RONDELLE GROUVER ACIER W16	0.019	7
21	98164Z	RONDELLE L1/6 ZNGJEE	0.025	8
22	ELAC. 2075	CHEVILLE SPIT TRIGA Ø3x69	0.305	18
23	ELAC. 101	CAPTEUR TELEMECANIQUE XCH218611	0.506	5
24	ELECT. 003	CABLE G.LAND P611	0.100	5
25	GN121S	GREASE NIPPLE M12	0.005	12
26	GN121S	GREASE NIPPLE M6	0.002	12
27	HYAC. 206	RALENTISSEUR DE DESCENTE	0.082	4
28	HYAC. 051	COUDE MALE 1/4 NPT - MALE 1/4 GAZ	0.045	4
29	HYAC. 052	RACCORD MALE 1/4 GAZ MALE Ø6.35	0.029	4
30	HYAC. 054	CROIX N°08	0.045	2
31	HYAC. 055	BOUCHON ORBICULAIRE Ø6.35 (CROU+ORBITAIRE)	0.030	2
32	HYF. 350	FLEXIBLE LONGUEUR 350MM NOR EQUIPE	0.374	2
33	HYF. 350	FLEXIBLE LONGUEUR 350MM NOR EQUIPE	0.374	2
34	HYF. RAL.ØXA	CONTROL UNIT 230/400V CEUL	110.000	1
35	PNVE.006	VERIN PNEUMATIQUE DMI 23MM COURSE	0.552	2
36	QJ.0033	COUSSINET CRT1 35-35	0.072	8
37	RAOM166	RACCORD INSTANTANEE Ø6.35	0.012	2
38	RH18XL.7001	INNER SCISSOR FRONT	180.328	1
39	RH18XL.7002	OUTER SCISSOR	58.280	2
40	RH18XL.7003	UPPER BENCH HOLDER	8.176	1
41	RH18XL.7004	LOWER BENCH HOLDER	12.304	1
42	RH18XL.7005	LIFT BASE	378.193	1
43	RH18XL.7006	ROLLER	1.901	4
44	RH18XL.7008	CROSS-BEAM STAND	10.748	2
45	RH18XL.7009	LOWER INNER SCISSOR SHAFT	0.691	4
46	RH18XL.7010	MIDDLE SCISSOR SHAFT	3.871	2
47	RH18XL.7011	INNER SCISSOR REAR	187.323	1
48	RH18XL.7012 TX	SCISSOR SHIM	0.268	4
49	RH18XL.7013	OUTER SCISSOR LOWER SHAFT	0.382	4
50	RH18XL.7015	INNER SCISSOR UPPER SHAFT	0.538	2
51	RH18XL.7016	INNER SCISSOR UPPER SHAFT	0.718	2
52	RH18XL.7018	LIMIT SWITCH BRACKET	2.463	1
53	RH18XL.7019 TX	SPACER ROTATION PINS	0.029	4
54	RH18XL.7064	UPPER CYLINDER SHAFT	0.824	4
55	RH18XL.7066	LOWER CYLINDER SHAFT	0.670	4
56	RH18XL.7067	LIMIT SWITCH COCKED	0.018	5
57	RH18XL.7069	LIMIT SWITCH BRACKET	0.192	2
58	RH18XL.7069	SPECIAL BOLT FOR GREASE NIPPLE M6	0.073	4
59	VA10370.61	RAM TO GRIPON & RHONE MAIN LIFT	12.981	4
RH18XL.01.420.X - RA3-1			1179.9 KG	
13-9-22			REV 06	



REP	REFERENCE	MASSE	NB
1	7840E	0.012	1
2	VA10.370.81.A	6.905	1
3	VA10.370.81.B	0.755	1
4	VA10.370.81.C	0.721	1
5	VA10.370.81.D	4.600	1
6	HSC.01	0.100	1
7	HSC.02	0.100	1
8	HSC.03	0.200	1
9	HSC.04	0.004	1

VA10.370.81

13.4 KG

17-10-22

VA10.370.81 -RA4-1

00

**METHODE DE REPARATION**

-Fuite entre tige et corps : dévisser la bague 3 avec l'outil REP.013. Sortir l'ensemble, procéder à l'échange des joints.

Re Monter l'ensemble dans le corps avec l'outil REP.014, revisser la bague 4.

*Pièce d'usure appartenant à la pochette : RN.649.80

Outil de réparation : REP.013, REP.014.

REPAIR METHOD

-Leakage between rod and cylinder : unscrew ring 2 with tool REP.013. Remove the unit, change the gaskets. Replace the unit into the cylinder with tool REP.014, screw ring 2 again.

*Replacement part included into repair kit : RN.649.80

Repair tool : REP.013, REP.014.

REPARATURSVERFAHREN

-Leck zwischen Stange und Zylinder : den ring 2 mit dem Gerät REP.013 abschrauben. Das Ganze abmontieren, die Dichtungen ersetzen. Das Ganze in dem Zylinder mit dem Gerät REP.014 wieder einsetzen. Den Ring 2 wieder schrauben.

*Ersatzteil im Reparatursatz RN.649.80 inbegriffen.

Reparaturwerkzeug REP.013, REP.014

METODO DI RIPARAZIONE

-Perdita tra asta e cilindro : svitare l'anello 2 con l'ustensile REP.013. Smontare l'insieme, sostituirlo con il nuovo. Ricollocare l'insieme nel cilindro con l'ustensile REP.014, riavvitare l'anello 2.

*Parte di ricambio inclusa nella serie RN.649.80

Ustensile di riparazione : REP.013, REP.014

METODO DE REPARACION

-Salida entre vástago y cilindro : desatornillar el casquillo 2 con el útil REP.013. Retirar el conjunto. Proceder al cambio de las juntas. Colocar el conjunto dentro el cuerpo con el útil REP.014, atornillar el casquillo 2.

*Pieza de desgaste perteneciente al bolsillito : RN.649.80

Util de reparacion : REP.013, REP.014



Attention : Pour préserver les joints et le bon fonctionnement du vérin, utiliser uniquement de l'huile hydraulique suivant spécifications CELETTE.

Bidon de 1 litre : HYA.150 Bidon de 5 litres :HYA.151



Caution : To preserve the gaskets, and the correct running of the ram, use hydraulic oil only, according to CELETTE specifications.

Can of 1 liter : HYA.150 Can of 5 liters : HYA.151



Achtung : Zum Schutz der Dichtungen und zum korrekten Betrieb des Zylinders wird nur Hydrauliköl je nach CELETTE-Vorschriften verwendet.

1 Liter Kanister : HYA.150 5 Liter Kanister : HYA.151



Attenzione : A fine di preservare i giunti, come pure il funzionamento corretto del martinetto, utilizzare unicamente olio idraulico secondo le prescrizioni CELETTE.

Serbatoio di 1 litro : HYA.150 Serbatoio di 5 litri : HYA.151



Cuidado : Afin de preservar las juntas y un buen funcionamiento del ariete, utilizar unicamente aceite hidraulica según las especificaciones CELETTE.

Bidon de un litro : HYA.150 Bidon de cinco litros : HYA.151

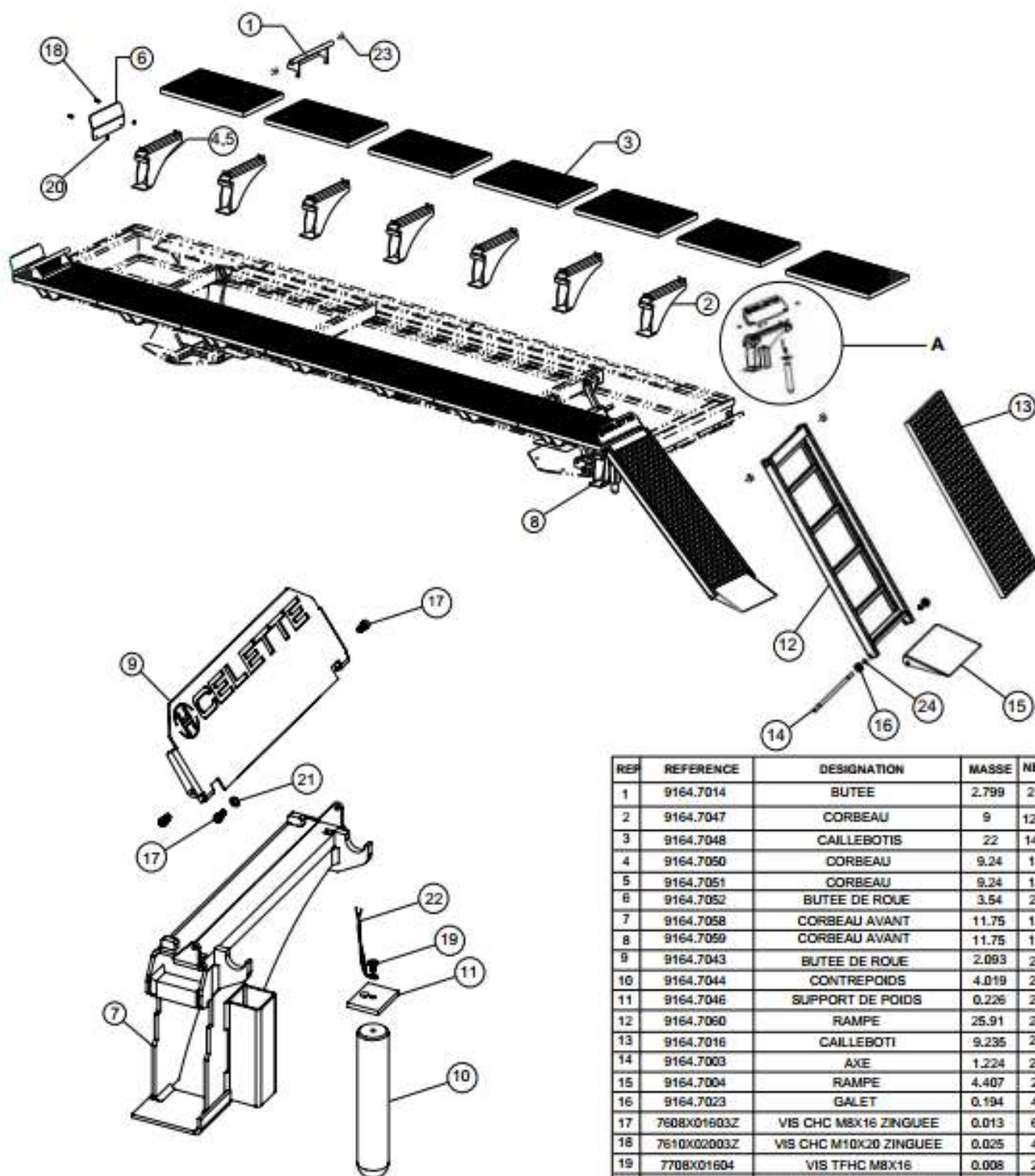
VA10.370.81

13.4 KG

17-10-22

VA10.370.81 -RA4-1

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DETAIL A

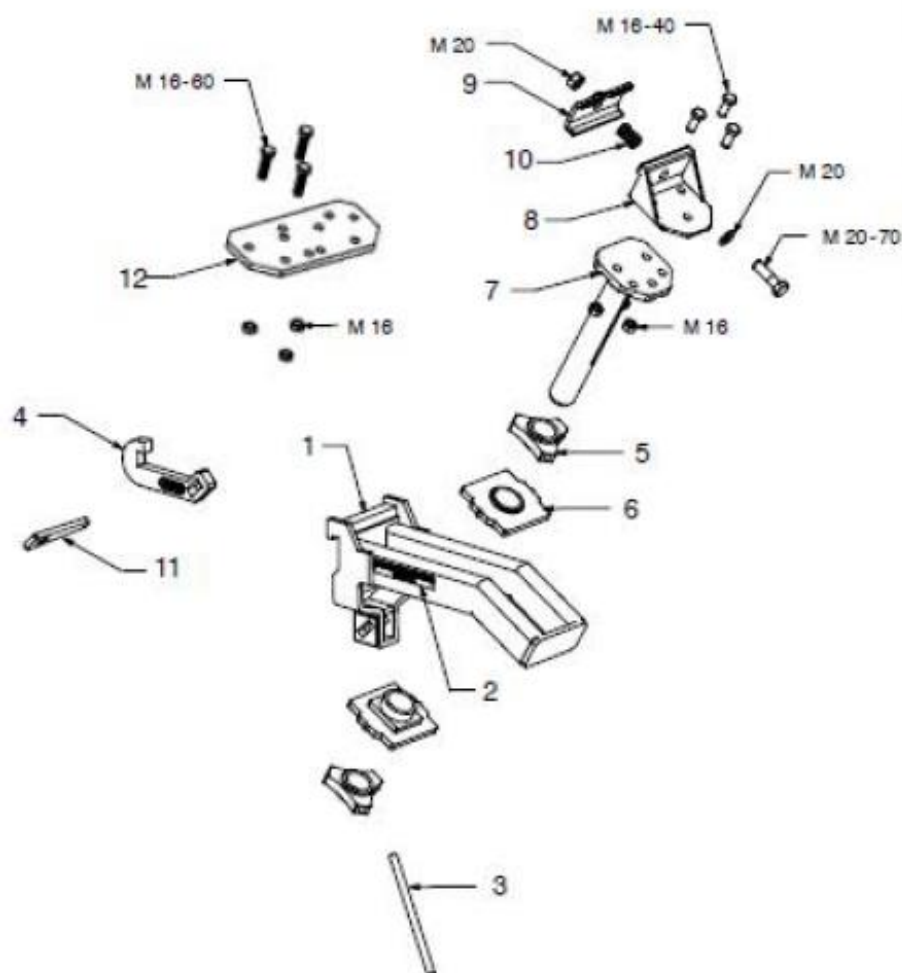
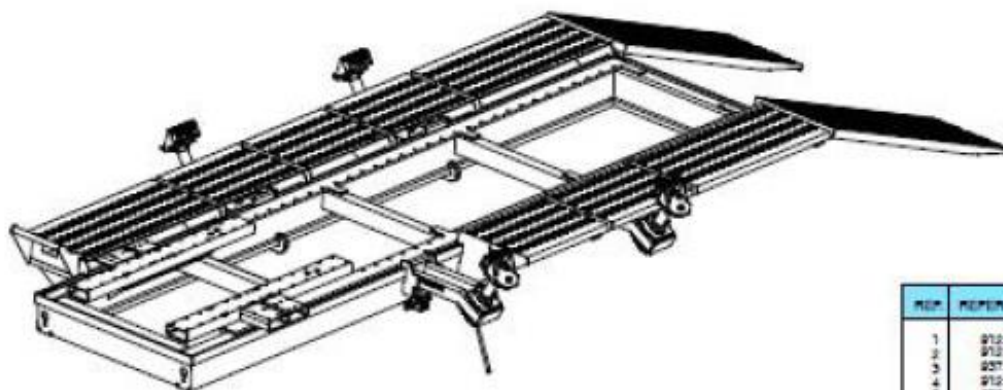
REF	REFERENCE	DESIGNATION	MASSE	NB
1	9164.7014	BUTEE	2.799	2
2	9164.7047	CORBEAU	9	12
3	9164.7048	CAILLEBOTIS	22	14
4	9164.7050	CORBEAU	9.24	1
5	9164.7051	CORBEAU	9.24	1
6	9164.7052	BUTEE DE ROUE	3.54	2
7	9164.7058	CORBEAU AVANT	11.75	1
8	9164.7059	CORBEAU AVANT	11.75	1
9	9164.7043	BUTEE DE ROUE	2.093	2
10	9164.7044	CONTREPOIDS	4.019	2
11	9164.7046	SUPPORT DE POIDS	0.226	2
12	9164.7060	RAMPE	25.91	2
13	9164.7016	CAILLEBOTI	9.235	2
14	9164.7003	AXE	1.224	2
15	9164.7004	RAMPE	4.407	2
16	9164.7023	GALET	0.194	4
17	7608X01603Z	VIS CHC M8X16 ZINGUEE	0.013	6
18	7610X02003Z	VIS CHC M10X20 ZINGUEE	0.025	4
19	7708X01604	VIS TFHC M8X16	0.008	2
20	911003Z	ECROU H M10 ZINGUEE	0.012	4
21	9710Z	RONDELLE GROWER	0.006	2
22	B70 A	CABLE	0.004	2
23	E32RCE1220	BOUCHON	0.000	8
24	7820.863	ANNEAU TRUARC	0.002	4

GR08.0058

502.67KG 08-02-2019 GR08.0058-RA3-1 00

**CELETTE®**

PINCES SEVENNE A BRAS CINTRES / SEVENNE CLAMPS WITH "ARCHED" ARMS /
SEVENNE KLEMMEN MIT "GEWOLBTEN" ARMEN / MORSETTO SEVENNE CON BRACCI
"A CURVATURA" / PINZAS SEVENNE CON BRAZOS "CIMBRADOS"



REP.	REFERENCE	POG.	NB.
1	9123.712	17,5	4
2	9123.702	2,1	4
3	927.707	0,5	2
4	9123.704	0,5	4
5	976.705.1	0,5	8
6	976.705.2	4,0	8
7	976.704.1	8,5	4
8	976.703.1	2,0	4
9	MD1.1	1,2	4
10	927.731	0,2	4
11	A73676.10	1,0	4
12	9123.703	14,3	2
	M 16-40		12
	M 16-60		6
	M 20-70		4
	M 18		16
	M 20		4
9123.023			
200kg	15.07.99	9123.023-1PA3	

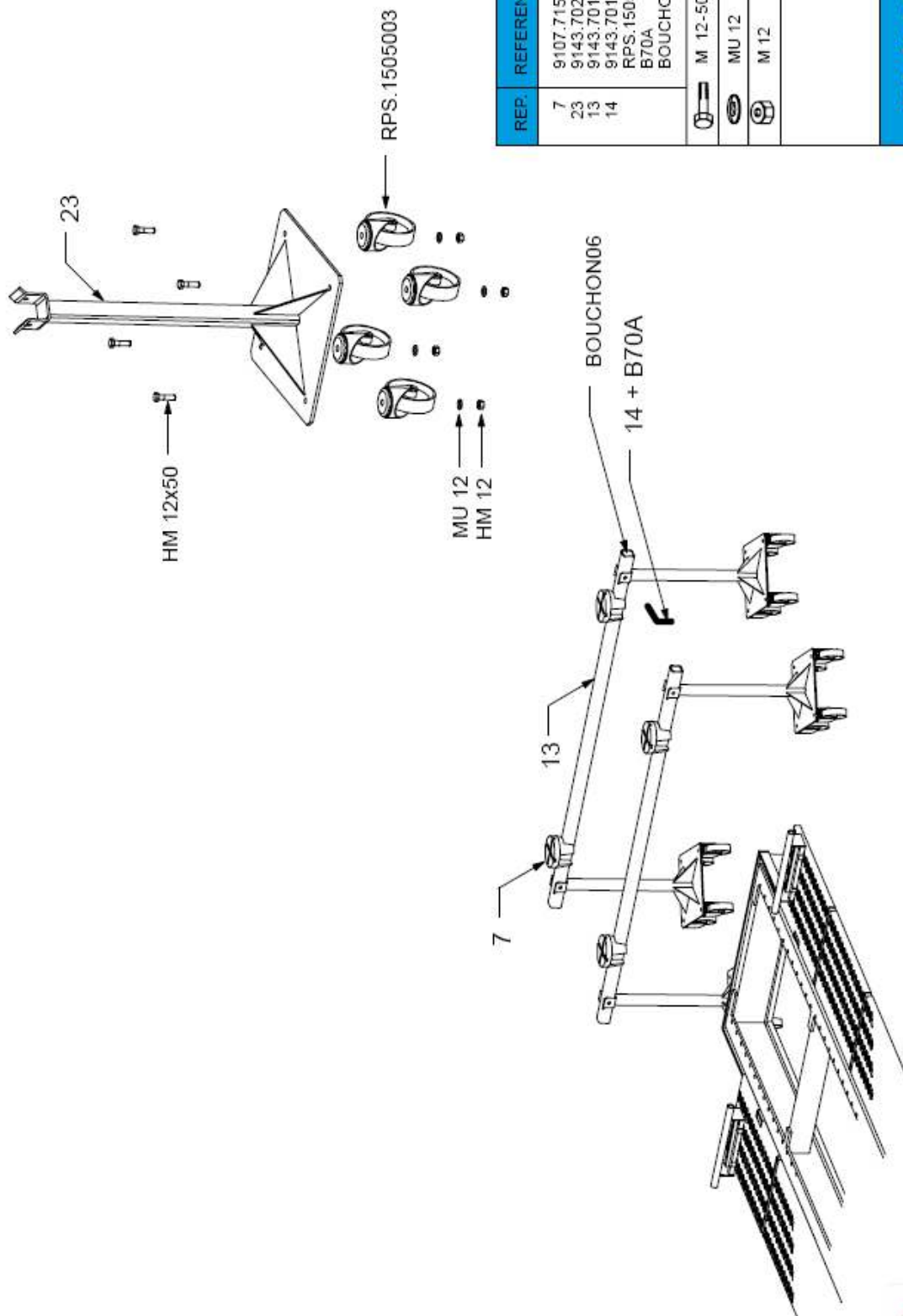
CELETTE®
VENNES-PRANCE

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CELETTE®
CAR LIFE SOLUTIONS

RVN93X.110

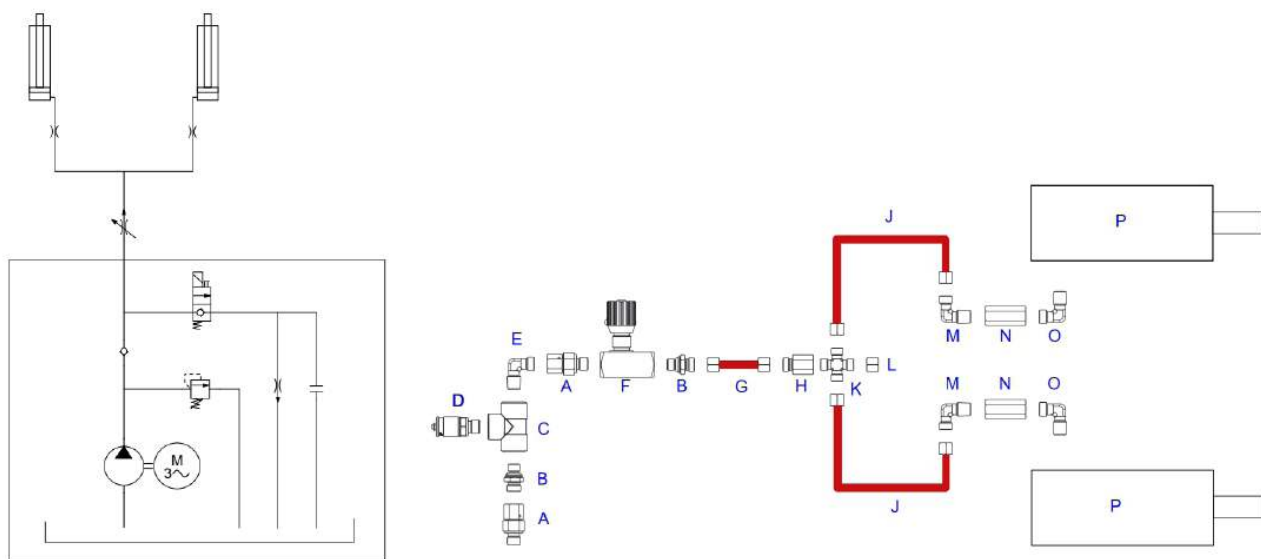


REP.	REFERENCE	PDS	NB
7	9107.715	0,9	4
23	9143.7023	15,3	4
13	9143.7013	21,2	2
14	9143.7014	0,1	4
	RPS.1505003	1,8	16
	B70A		4
	BOUCHON06		4
	M 12-50		16
	MU 12		16
	M 12		16

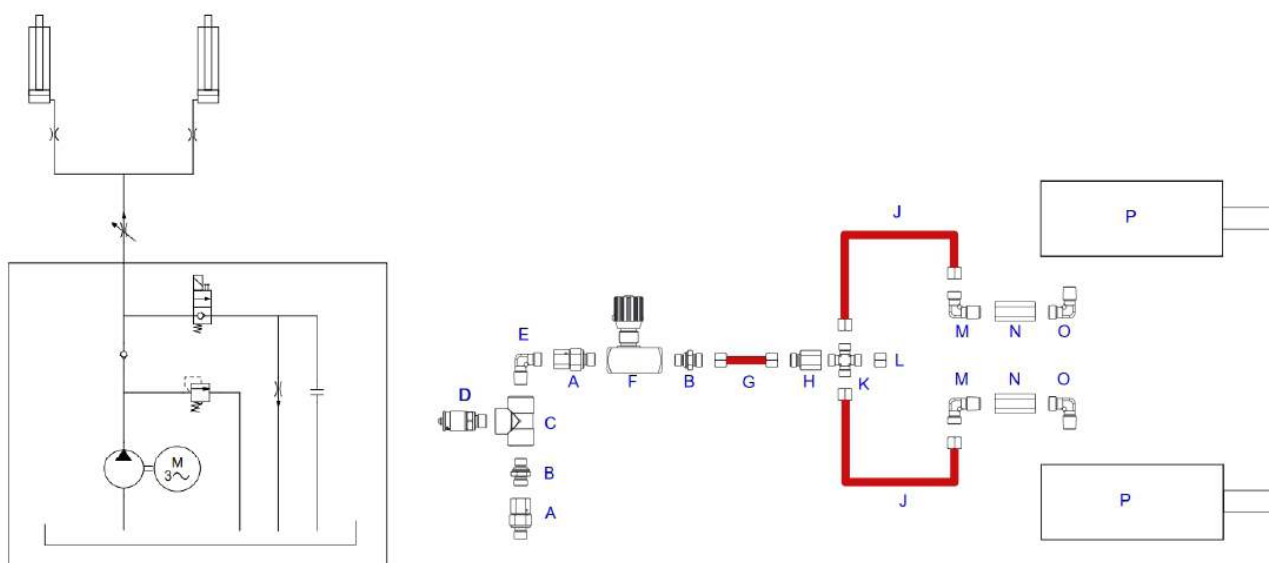
RVN93X.110		
138 Kg	06.01.2010	
RVN93X.110 - 1RA4		00



IND.	DESCRIPTION	NAME	DATE
01	add control valve and pressure test point	KN	11-09-22



FRONT LIFT (PU-2) HYDRAULIC DIAGRAM



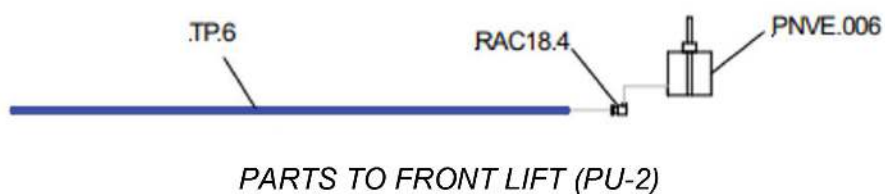
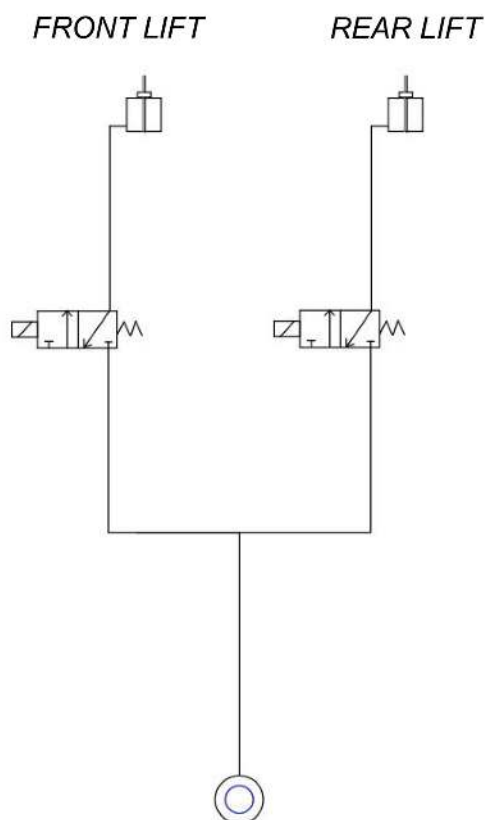
REAR LIFT (PU-1) HYDRAULIC DIAGRAM

Part list

A = HYE.002	H = HYAC.059	P = VA10.370.81
B = HYAC.056	J = HYF.350	
C = HYE.003	K = HYAC.054	
D = HYE.004	L = HYAC.055	
E = HYE.005	M = HYAC.052	
F = HYE.001	N = HYAC.206	
G = HYF.815	O = HYAC.051	

SCALE	-	DESIGNED BY	CHECKED BY	APPROVED BY	AZIMUTH ASIA PACIFIC
PAGE	1/1	RS	KN	KN	
A4		HYDRAULIC DIAGRAM			This drawing, property of AZIMUTH ASIA PACIFIC LTD. must not be copied or disclosed.
		HYP.RXL.HYDRO			
		DATE	11-09-2022	01	

IND.	DESCRIPTION	NAME	DATE
01	Revise document	KN	11-09-22



SCALE	-	DESIGNED BY	CHECKED BY	APPROVED BY	AZIMUTH ASIA PACIFIC
PAGE	1/1	RS	KN	KN	
A4		PNEUMATIC DIAGRAM			This drawing, property of AZIMUTH ASIA PACIFIC LTD. must not be copied or disclosed.
		HYP.RXL.PNEUMATIC			
		DATE	11-09-2022	01	

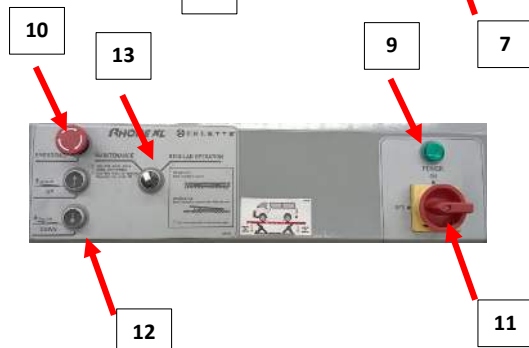
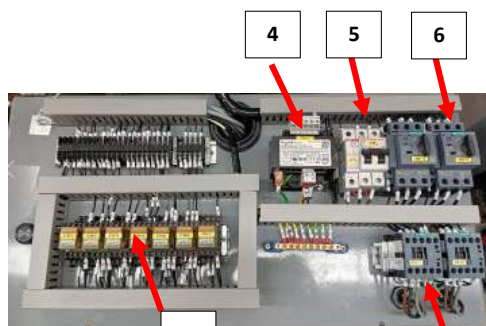
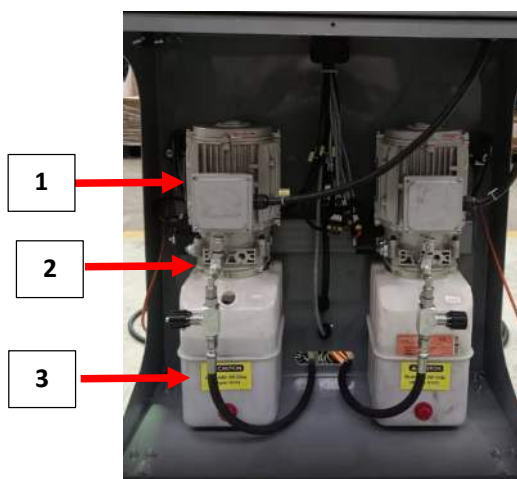
POWER UNIT - TECHNICAL FILE:



ELEVATEUR DE VEHICULE/VEHICLE LIFT				
 CELETTE JUST FIX IT ! CELETTE France SAS - 3 Route de Becheviennne - 38200 Vienne - France		RHONE XL		
TYPE:	N°	Year:		
PRIMARY VOLTAGE V	PHASE NUMBER ~	FREQUENCY HZ	AMPARAGE A	
SECONDARY VOLTAGE 	MAX AIR PRESSURE 8 Bar		HYDRAULIC PRESSURE 280 Bar	

AZP020

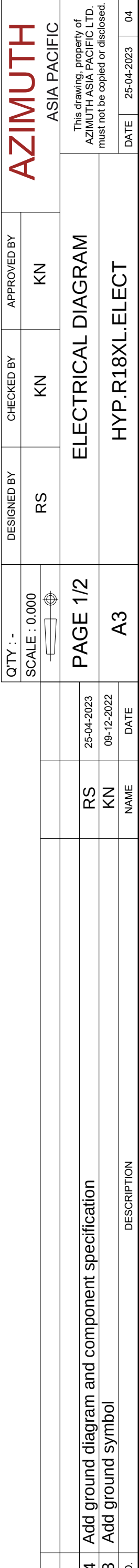
SPARE PART REFERENCES



REP	DESIGNATION	REF
1	Motor 230/400V 3 ~ 1.8KW	HYP.MXL.GCS001
2	Pump 280 Bar	HYP.MXL.GCS002
3	Plastic tank 5L	HYP.MXL.7019
4	Transformer 100Va 230-400v /24V	HPE.0009
5	Automatic break switch 6A	HPE.0005
6	Thermal break switch	HPE.0002
7	Motor contactor	HPE.0007
8	Relays 4P 6A	HPE.0029
9	Control light	HPE.0004
10	Emergency stop	HPE.0011
11	Main break switch 25A	HPE.0001
12	Lifting/Lowering push button	HPE.0011
13	Mode selection switch	HPE.0010

THERMAL BREAK SWITCH ADJUSTMENT

VOLTAGE	ADJUSTEMENT	VALUE TO BE ADJUSTED
400V 3~ 50 Hz	7 – 10 A	10 A
230V 3~ 60 Hz	9 – 14 A	12 A



LEGEND

IG	=	Power switch 25A
QF1, QF2	=	Circuit breaker for motor protection 10A
KM1, KM2	=	Magnetic contactor 10A
CB	=	Miniature circuit breaker 6A
TR1	=	Transformer 24VAC
F1	=	Fuse 6A 500V SIZE 10 x 38
CR1, CR2, CR3, CR4, CR5, CR6, CR7	=	Relays 24VAC
EM	=	Emergency button
PU-1, PU-2	=	Hydraulic power pack 1.8kW 280Bar
SOL1, SOL2	=	Hydraulic solenoid valve 24VAC
AIR1, AIR2	=	Pneumatic solenoid valve 24VAC
Buzzer	=	Buzzer while lift lowering 24VAC
LS-1, LS-2, LS-3, LS-4, LS-5, LS-6	=	Limit switches

				Q'TY : -		DESIGNED BY	CHECKED BY	APPROVED BY	AZIMUTH ASIA PACIFIC			
				SCALE : 0.000		RS	KN	KN				
												
				PAGE 2/2								
				ELECTRICAL DIAGRAM					This drawing, property of AZIMUTH ASIA PACIFIC LTD. must not be copied or disclosed.			
				A3								
				HYP.R18XL.ELECT								
04	Add ground diagram and component specification			RS	25-04-2023							
03	Add ground symbol			KN	09-12-2022							
IND.	DESCRIPTION			NAME	DATE							
							DATE		25-04-2022		04	

DECLARATION DE CONFORMITE

DECLARATION OF CONFORMITY
KONFORMITÄTSERKLÄRUNG



Nous ▶

CELETTE FRANCE S.A.S

We ■ 3 AVENUE MARCELIN BERTHELOT
Wir ■ 38200 VIENNE / FRANCE

Déclarons que le produit

- Declare that the product
- Erklären hiermit dass das Produkt

TYPE ▶

Elévateur de véhicules – Rhone XL – RH18XL

Machine type ■
Maschinentyp ■

Vehicle lift – Rhone XL – RH18XL

Fahrzeuglift – Rhone XL – RH18XL

NUMERO DE SERIE OU LOT ▶

N°

Serial or batch number ■
Serien-order Chargen-Nr ■

DIRECTIVE EUROPEENNE

N° 2006/42/CE

Du 17 mai 2006

◀ Suivant les exigences de cette Directive

- Is in conformity with the requirements of this Directive
- Den Anforderungen der Richtlinie (2006/42/CE) vom (17/05/2006) entspricht

ORGANISME DE CONTRÔLE ▶

Apave Exploitation France

Control organization
Kontrollorganisation

6 rue du Général Audran

92412 COURBEVOIE

Organisme notifié sous le numéro
Organization notified under number
Organisation unter nummer
benachrichtigt

0082

Attestation d'examen CE de type
EC examination certificate type
EG-Musterprüfbescheinigung

N° 0082 / ...

LIEU ET DATE D'EMISSION ▶

VIENNE

Place and Date of Issue ■
Ausstellungsort / - Datum ■

NOM ET FONCTION DE L'EMETTEUR

NICOLAU Pierre

Signature / Unterschrift

ET EN CHARGE DU DOSSIER TECHNIQUE ▶

President

Name and position of issuer
And in charge of the technical
documents

3 avenue Marchelin Berthelot

38200 Vienne

Name und Position des Herstellers
Verantwortlicher für technische Dokumente

France

THANK YOU!!!
FOR PURCHASING OUR PRODUCT



CELETTE SAS

80, Impasse des Bretteaux 42410 SAINT MICHEL SUR RHÔNE FRANCE

+33 474 575 959

info@celette.com

www.celette.com



IMPORTANT NOTE: Please do not forget to send us the product registration form for warranty registration.