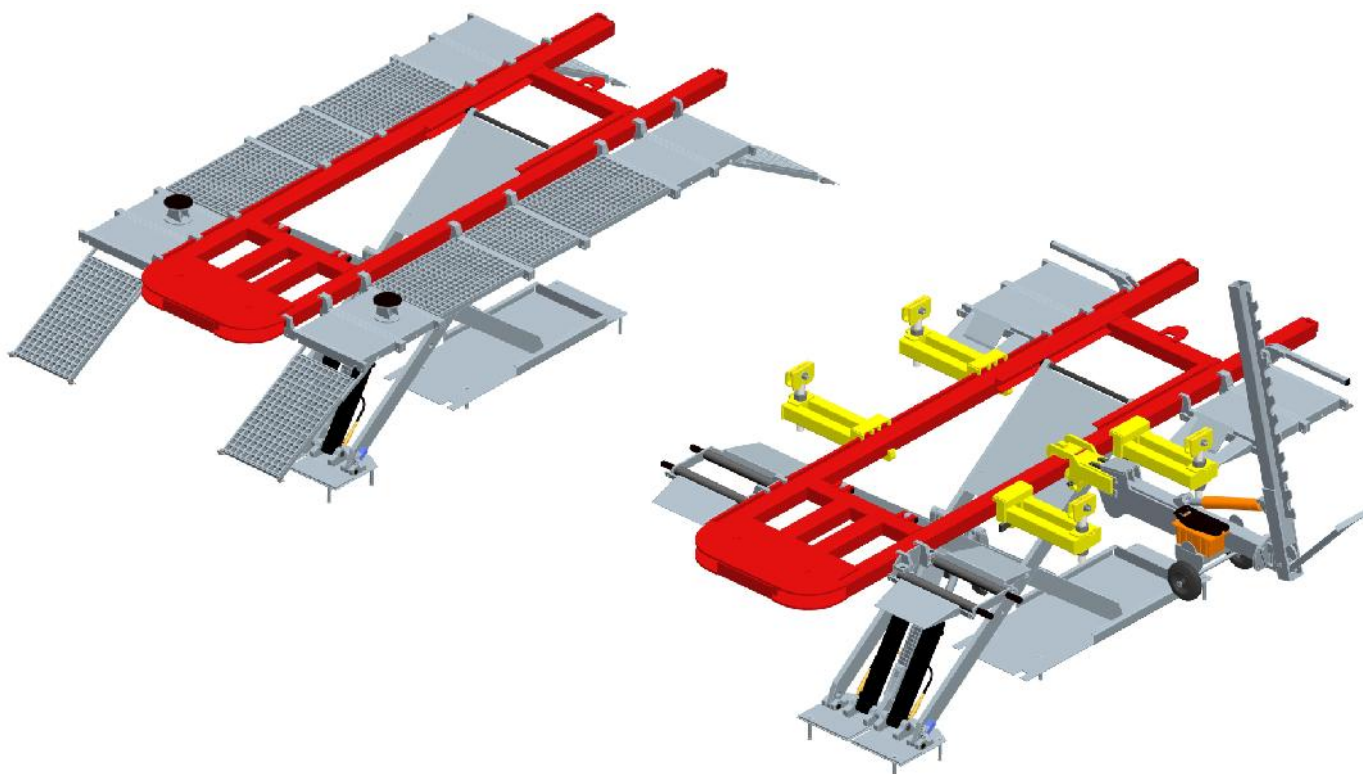


X-ONE

Entry



USER MANUAL

ref. X110.ML

Version :	05
Release :	01/18

CELETTE France S.A.S
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1- Forewords

This instruction leaflet is designed to answer most of the questions pertaining to your lifting unit for straightening operations, more especially about **technical matters, utilization and safety instructions**

Consequently, we recommend each user to **read this leaflet carefully** and to keep it nearby the work bay for the best and safest utilization of the device.

In fact **CELETTE S.A cannot be held responsible** in case of :

- **utilization** of the lifting base for straightening **X-ONE Entry for any other purpose that the one it is designed for.**
- **intervention** or **modification** without CELETTE's previous agreement.
- utilization **of non homologated or non suitable accessories** with the lifting base.

CELETTE reserves the right to modify the product at any time, without any previous notice, in view of an improvement of the quality.

The present manual includes :

- Installation and utilization instructions
- Declaration of conformity of the lifting units, according to the machine directive EN 60204-1/A1: 2009 (See enclosures)
- Maintenance and safety instructions

2- Safety :

Instructions to be strictly followed :

- This user manual should be held available to the installation and utilization staff.
- The lifting unit has to be used by experienced and trained technicians only.
- Before the first utilization, the installation and condition of the lifting unit have to be checked by an authorized person.

Type of test	Load	Duration
Static test	3125 Kg	1 hour
Dynamic test	2750 Kg	Complete cycle : Lifting / Lowering

- At least once a year, the condition of the lift has to be checked and a maintenance operation has to be signed by an authorized person only.

-  Read carefully the user manual before utilization
-  Before each utilization, check the condition of the lift. Possible defects should be notified to CELETTE immediately, and the lift has to be placed out of order.
-  Make sure that nobody stands within the lifting unit function area. Stop immediately all operation if this is the case.
-  Do not stand under the lift, unless normal car repair procedure.
-  Never use the lifting unit to lift people
-  Make sure that the lift cannot be blocked or collide any external material.
-  Respect the balance of weights : 3/5 2/5 (refer to §14)
-  Respect the conditions of installation and the concrete load standards (Compressive strength : 450 kg/cm, refer to §6).
-  Respect the maximal load : **2500daN**
-  The handling of the load once lifted is strictly prohibited
-  The customer has the responsibility to make a visual inspection of the material, particularly all the security devices. If an aspect defect is detected, the information must be communicated to CELETTE and the lift must be put out of order.

3- Introduction

We duly thank you for granting us your confidence .

We are convinced that our lifting table for straightening **X-ONE Entry** will meet your needs, more especially thanks to its lifting capacity through the wheels:

- **2500 KG** until **1.3 m** high

As well as with its straightening possibilities :

- the pulling unit, equipped with a **10 T** ram, can be shifted on more than half the surface of the lifting base.

X-ONE Entry has been designed to repair rolling vehicles with light impacts, **but** will also be usefull for several maintenance operations or jobs on mechanical units.

The overall thickness in low position (**110 mm**) allows to drive up most of the vehicles.



CAUTION :

The table **X-ONE Entry** has to be fixed to the ground before any utilization.

THIS EQUIPMENT IS COMPOSED OF :

- a LIFTING BASE **9176.05** including the table, the « X » lifting unit and a hydropneumatic power unit.
- Various OPTIONS for customized and adapted versions are available. (Refer to page 11)

4- Technical datas

Hydraulic power unit

- Hydraulic outlet pressure 200 bars
- Compressed air supply, cleaned, not oiled 6/8 bars
- Electric motor, voltage and frequency according to the country of utilization :
110V / 230V / 400V – 50Hz / 60Hz
 - Oil tank : 7 liters
 - Oil type : DTE 13
 - Amperage : 12.5 A
 - (Motor : 1.8Kw 10.5A with 220V)
 - Alimentation cable dimension : 2.5mm

Pneumatic unlocking of the safety units :

Compressed air, dry, cleaned but not oiled 6/8 bars.



CAUTION :

An unfiltered compressed air supply may lead to a dysfunction of the air electrovalves.

Locking of the safety units :

- Automatic locking by absence of air

Weight :

9176.05	X110.0400	X110.0600	X110.0601	LX02.0602	X110.0603	X110.0604	X110.0605	X110.0609
598 kg	156 kg	27 kg	32 kg	10 kg	130 kg	26 kg	32 kg	160 kg

Maximal load on the table : 2500 daN

Noise level : 75 dB (A)

Lifting / lowering time :

Unloaded :

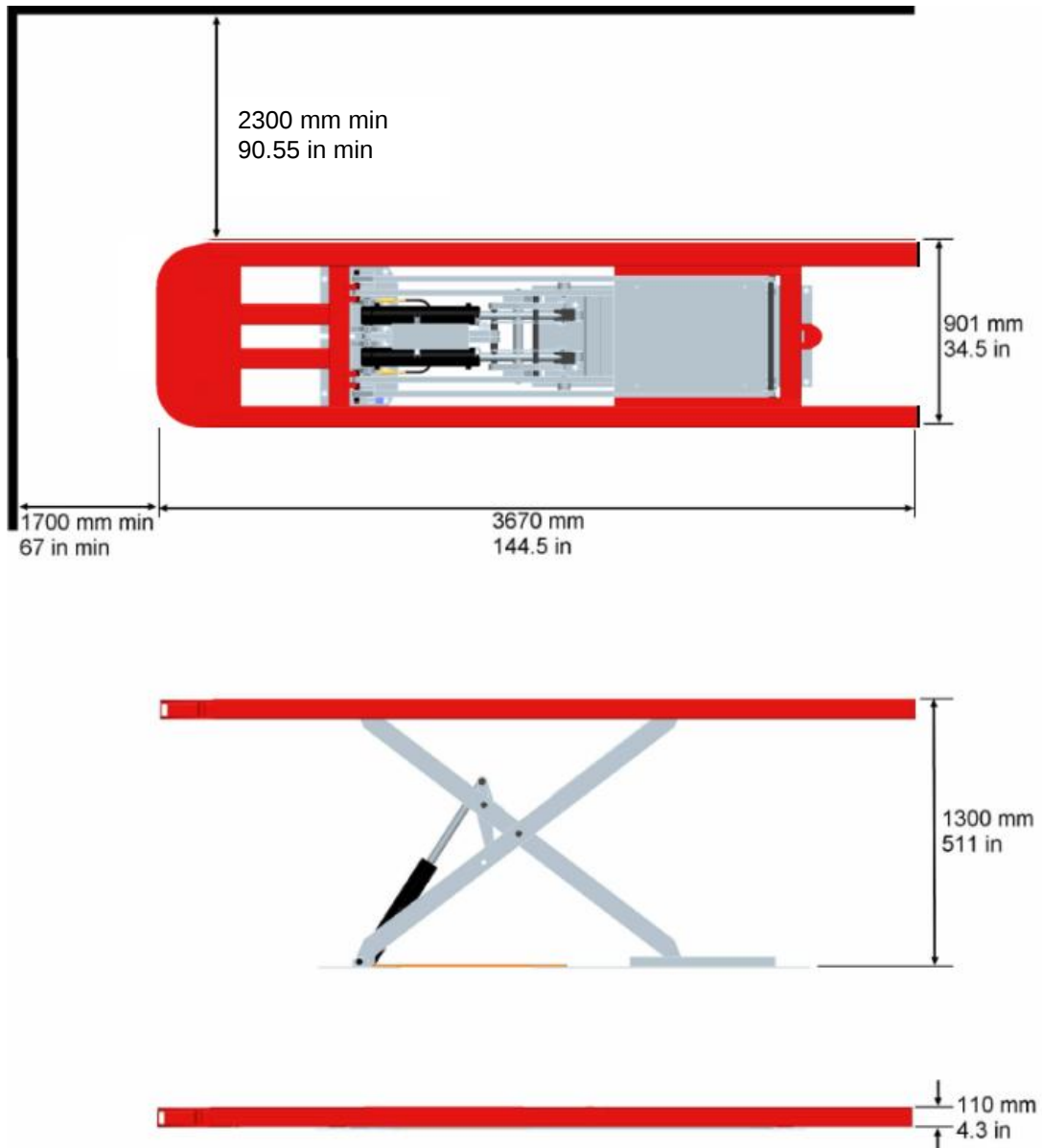
Lifting : 34 s
Lowering : 110 s

With a 2. 5T load :

Lifting : 34 s
Lowering : 34 s

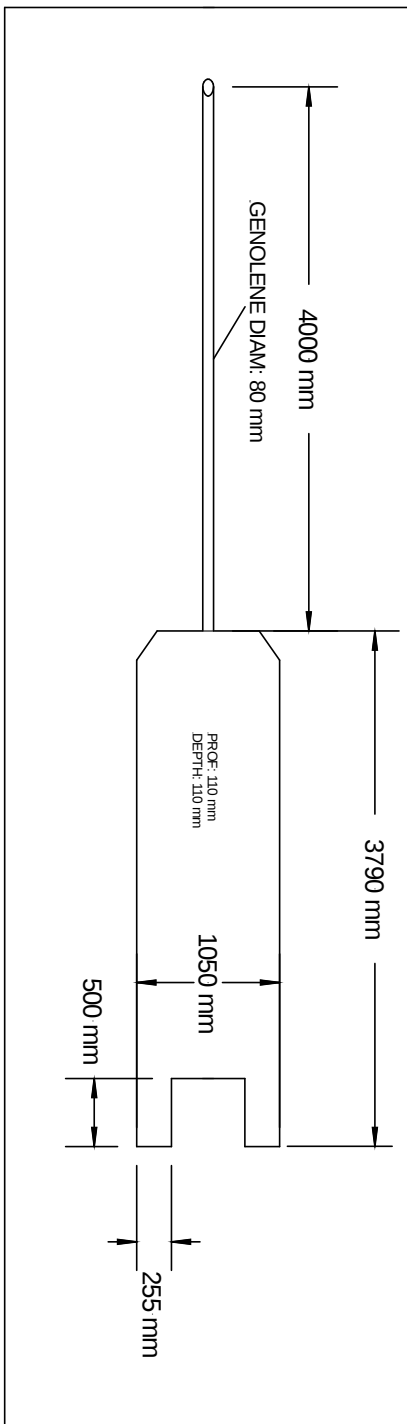
5- Dimensions and installation

5.1- Above ground Version :

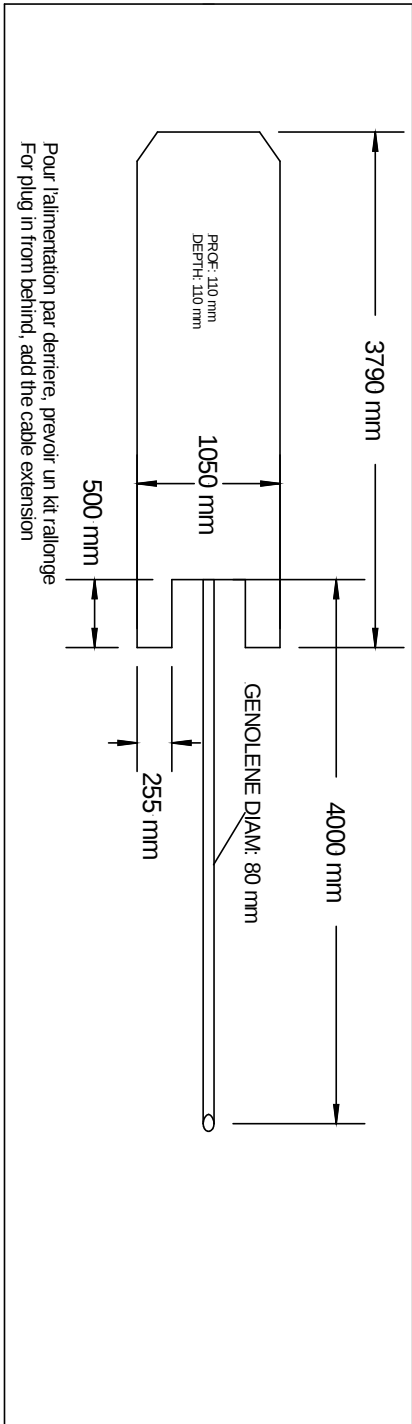


5.2- In-ground Version :

ALIMENTATION FRONTALE FRONT PLUG IN



ALIMENTATION ARRIERE REAR PLUG IN



6- Location and conditions of installation

- The **perfectly flat** concrete ground should be able to withstand a total load of 3500 daN and have a minimal compressive strength of 450 kg/cm² **on the whole surface** of the table.
- The minimal thickness recommended by CELETTE SA is **100 mm**.
- The table will have to be fixed to the ground through the 10 expansion dowels with screws (length 120 mm) supplied with the equipment. **Expansion dowels with threaded rods are to be excluded, since their height hinders the complete lowering of the base.**
- No obstacle (Extraction arm, Power supply box,...) should be placed lower than 3,70 m above the unit (to lift a standard commercial vehicle with standard height).
- We advise to foresee a free area (Refer to page 7) around the base of the lifting unit to use the pulling unit.
This represents a work bay (not including the storage of accessories and tools) of 5m wide X 5.5 m deep.

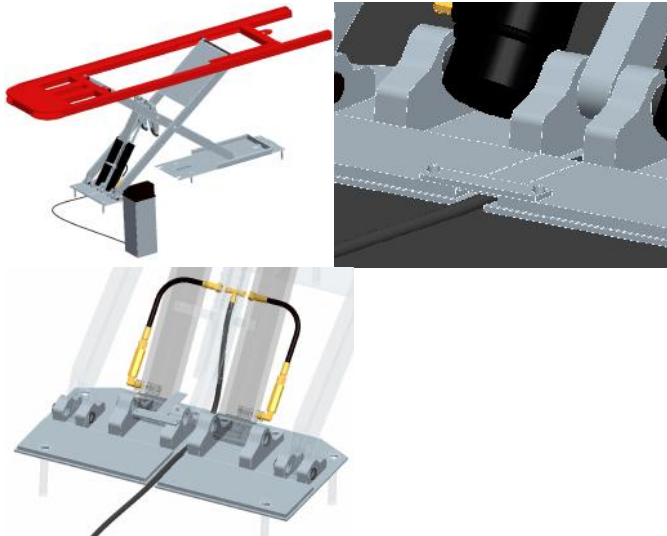
Following equipment is to be foreseen nearby the device :

- A compressed air supply - cleaned, not oiled 6 to 8 bars.
- A power supply – protected by a 30mA differential.
- Cable section 2,5mm² - 16A – 3P or 1P – N + E (according to the country of utilization).
- The connection to an IT power supply is prohibited.
- The control board should not be exposed to fluid projection. Do not use a water spray to clean the control board .

ATTENTION :

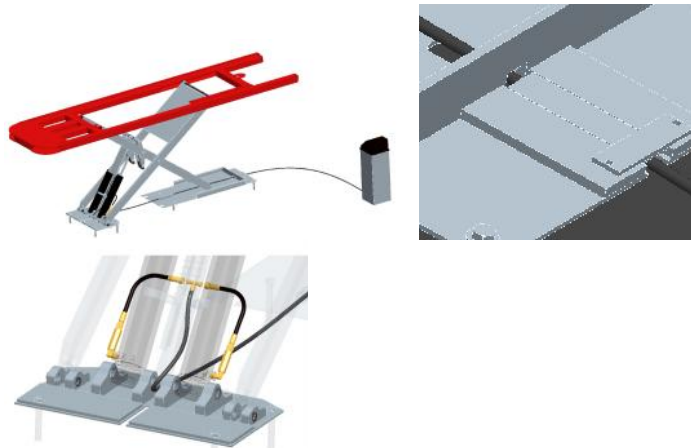
In order to manipulate the lift for installation, use a machine of lifting device with a lifting capacity of **650 KG** minimum.

6.1- Power supply at the front:



The power unit has to be place at a minium distance of 2m from the lifting table.

6.2- Power supply at the rear :



The power unit has to be place at a minium distance of 2m from the lifting table.

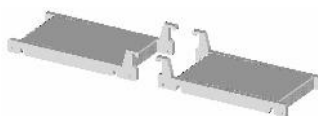
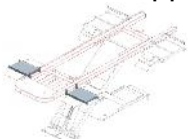
7- Description of the table components

- Lifting table :



9176.05

- Wheel supports :



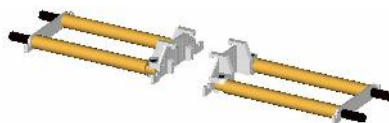
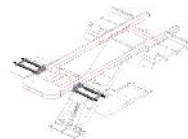
X110.0600

- Mini access ramps :



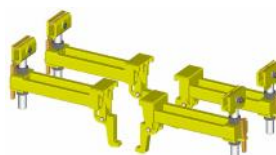
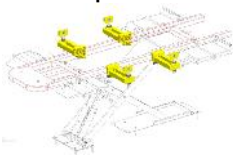
X110.0605

- Removable supports :



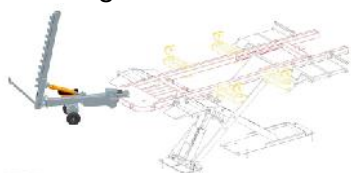
X110.0601

- Clamps :



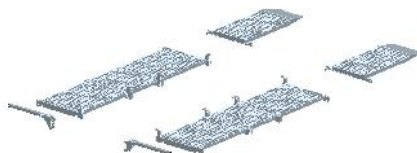
X110.0400

- Pulling unit :



APS08.0800

- Runway decking plates :



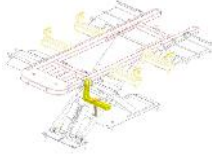
X110.0603



CAUTION :

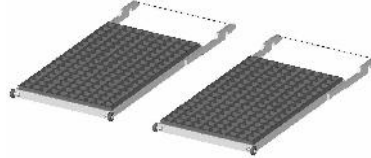
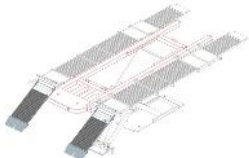
These runway decking plates cannot be used to lift the vehicle.
Always place the vehicle to be lifted on the access plates or on the removable supports.

- Accessory to place the wheels in position again :



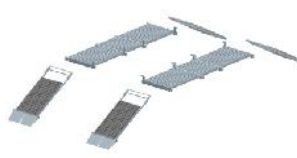
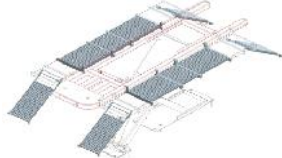
LX02.0606

- Tilting access ramps :



X110.0604

- Runway decking plates with tilting access ramps :



X110.0609

- Accessory for lateral pulls :



LX02.0320

- Safety cable CAS 2000 :



- Specific anchorings, corresponding to the vehicle to be blocked on the table.
Various anchorings available.
Contact your local distributor to get the list.

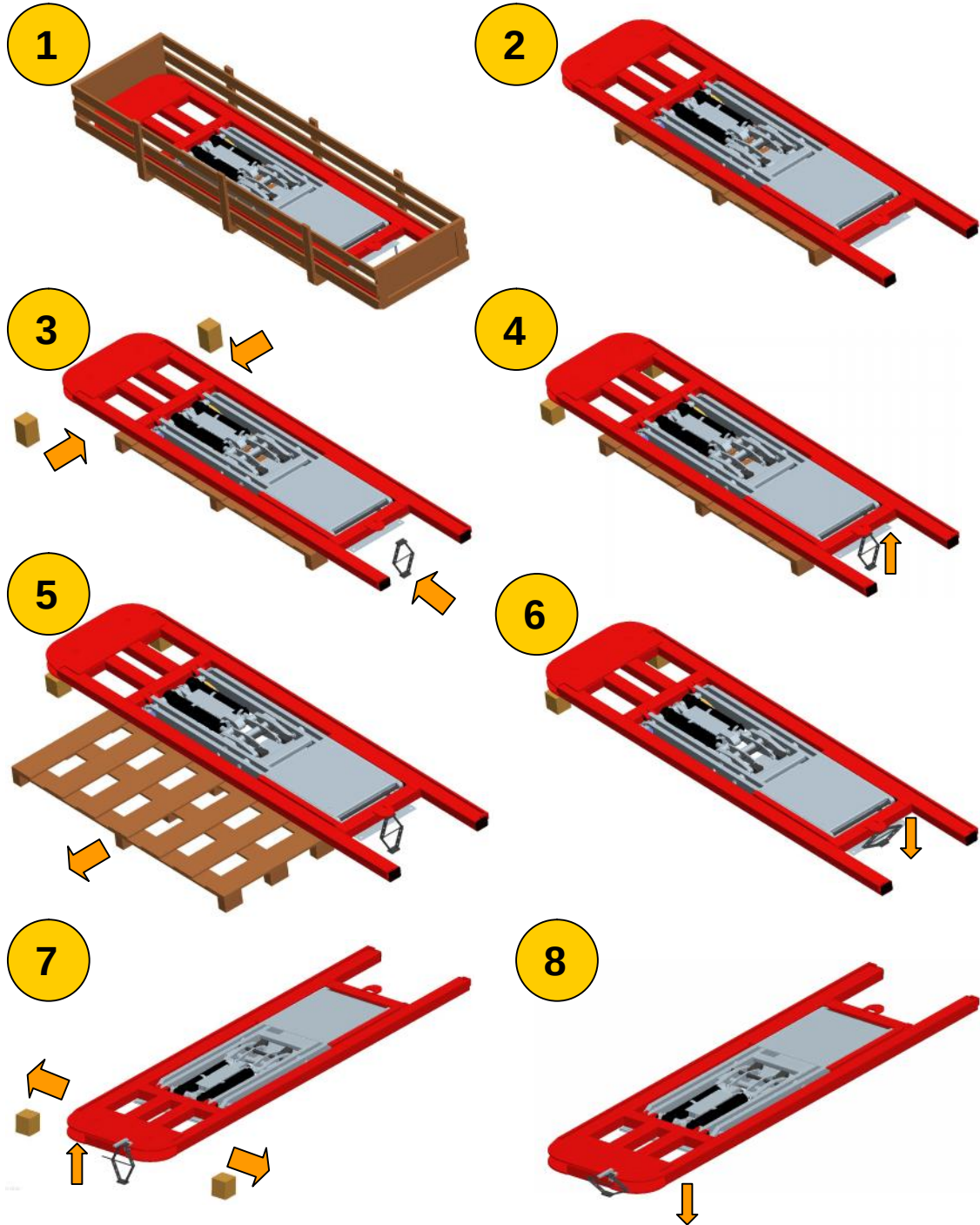
- Storage trolley for clamps and accessories :



X110.0900

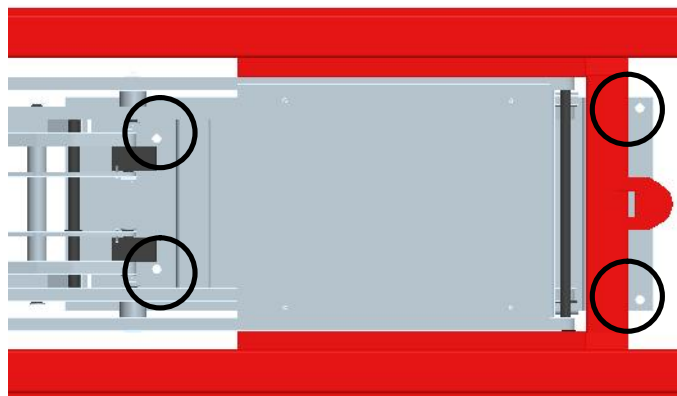
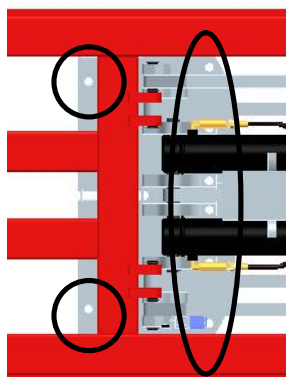
8- Starting

8.1-Table

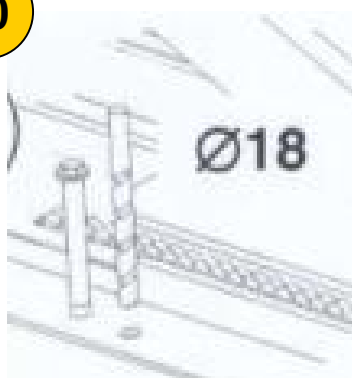


9

Use the folded table as drilling gauge

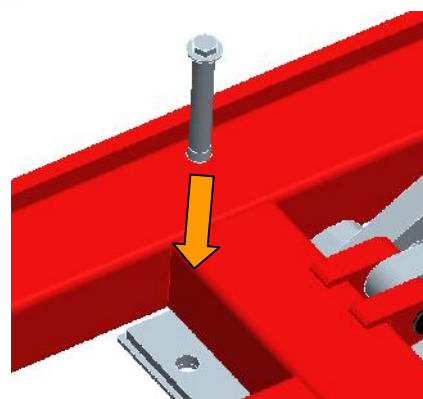
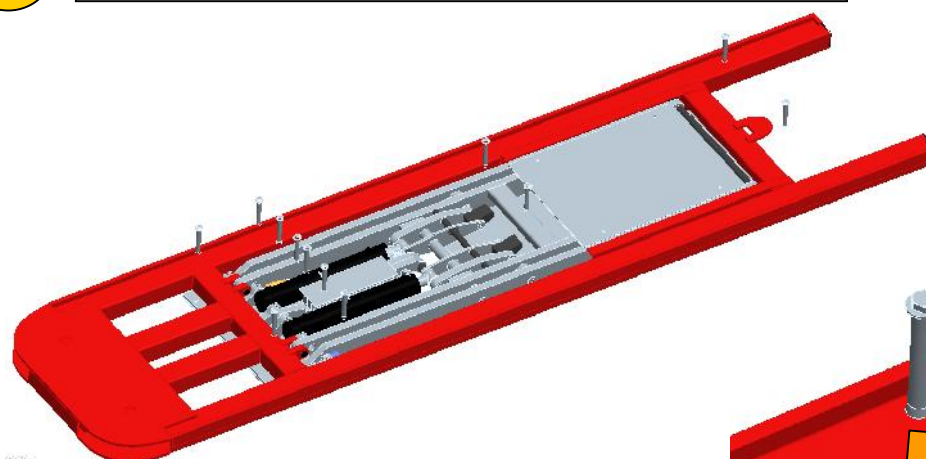


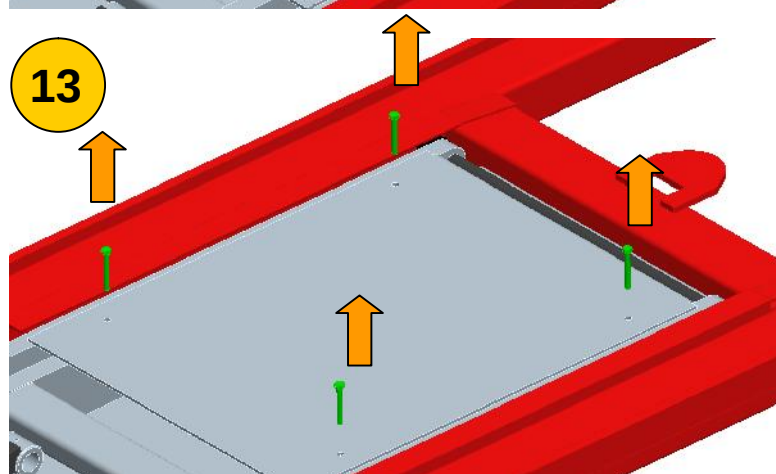
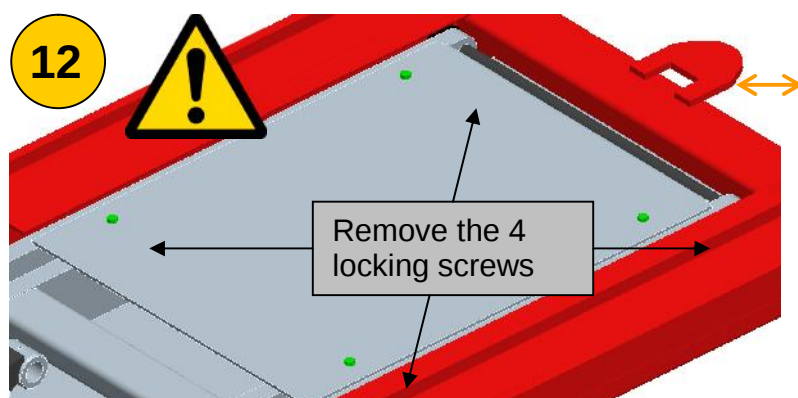
10



11

Lock the 12 expansion screws





CAUTION :

An uncorrect fixing of the table to the ground could generate irreversible damages. Consequently, it is imperative to install the 12 supplied expansion dowels and to lock them tightly

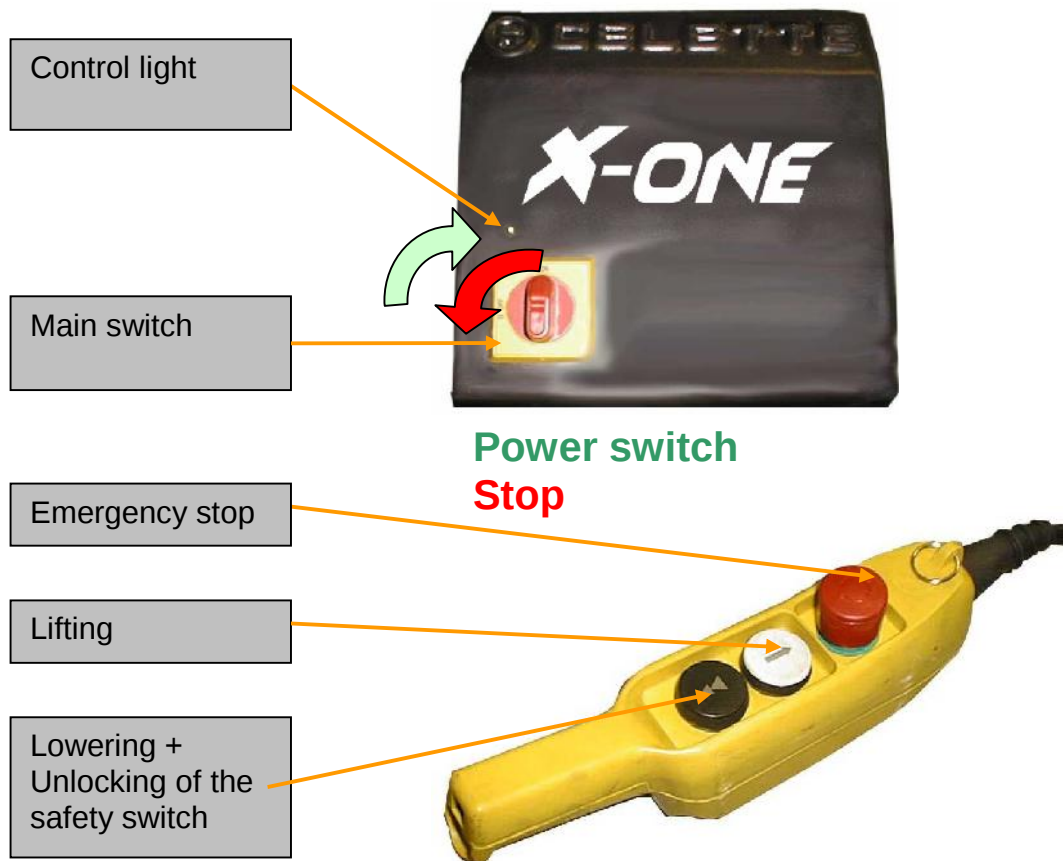
In this purpose, a load test will validate the installation of the equipment. The chart hereunder shows the tests to be effected.

The load test form will be signed after installation.

In case this test could not be achieved, the customer will commit himself to complete it, or to have it completed as soon as possible, while signing enclosed report (at the end of present leaflet).

Type of test	Load	Duration
Static test	3125 Kg	1 hour
Dynamic test	2750 Kg	Complete cycle:Lifting / Lowering

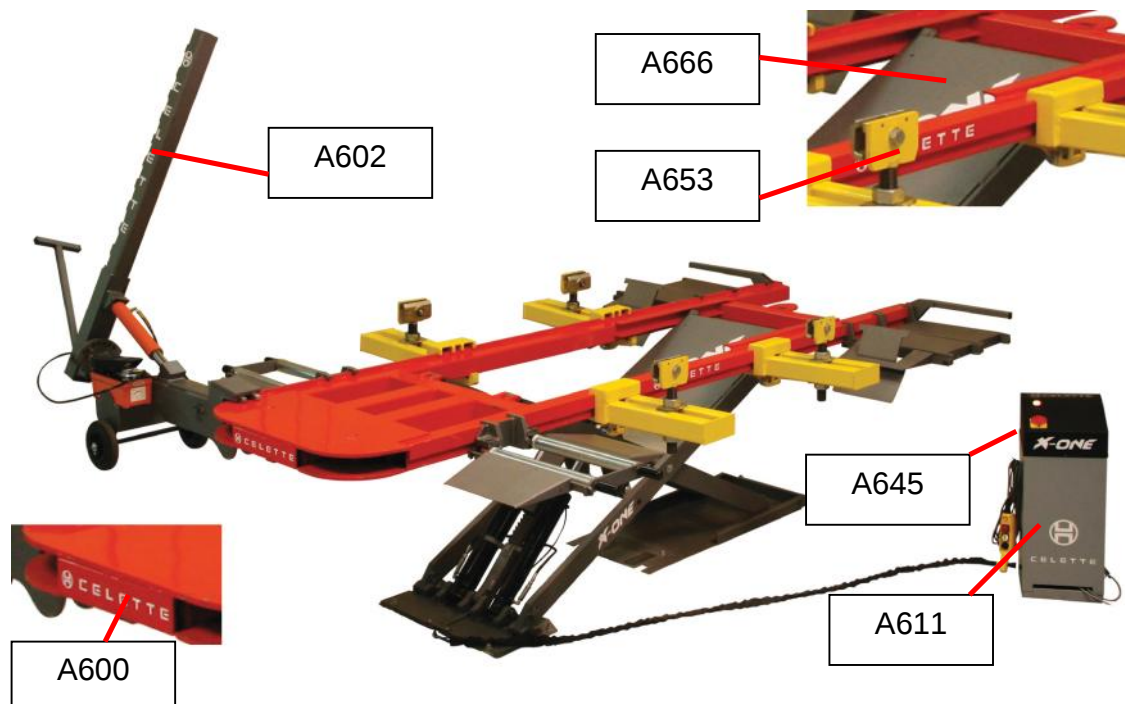
9- Control and operation



CAUTION :

It is prohibited to use the remote control system when standing less than 1 meter from the device. We advise to stand nearby the control unit when operating the lift

10- Stickers



A346	1 (lifting unit)
A468	1 (lifting unit)
A600	1 (lifting unit)
A602	2 (pulling unit)
A611	1 (power unit)
A645	2 (lifting unit) + 1 (power unit) + 2 (pulling unit)
A653	3 (lifting unit)
A666	1 (lifting unit)
A667	1 (lifting unit)
A668	2 (lifting unit)



CAUTION :

Should stickers **A346** or **A468** be damaged, it is imperative to replace them upon request to CELETTE S.A.S

If stickers are damaged or unreadable, replace it through a request to CELETTE S.A.

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 Hebeseystem 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 Hebeseystems 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 en el momento de la subida y bajada esta estrictamente 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.

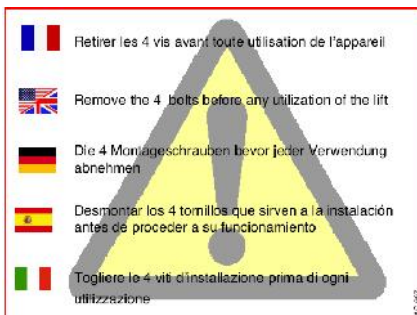
A468



A668



AC.667



11- Identification plates

Plate fixed to the power unit P101:

ELEVATEUR DE VEHICULE / VEHICLE LIFT			
 CELETTE CAR LIFE SOLUTIONS CELETTE SA - 13 Route de Bechevienne - 38200 Vienne - France		MADE IN FRANCE	
TYPE:	N°	Year:	
PRIMARY VOLTAGE V	PHASE NUMBER ~	FREQUENCY Hz	AMPERAGE A
SECONDARY VOLTAGE 	MAX AIR PRESSURE 8 Bar	HYDRAULIC PRESSURE 160 Bar	

Plate fixed to the lifting unit P100:

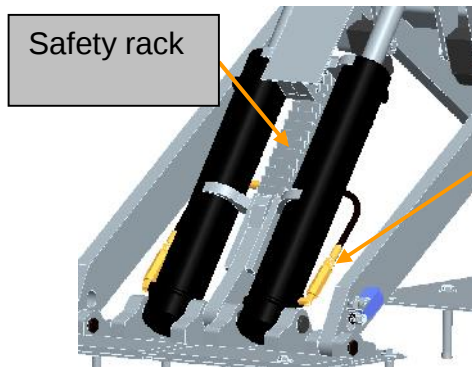
ELEVATEUR DE VEHICULE / VEHICLE LIFT			
 CELETTE CAR LIFE SOLUTIONS CELETTE SA - 13 Route de Bechevienne - 38200 Vienne - France			MADE IN FRANCE
TYPE: X110	N°	Year:	
MAXIMAL LOAD 2500 daN		TARE 575 daN	
MAX AIR PRESSURE 8 Bar		HYDRAULIC PRESSURE 160 Bar	

12- Safety units



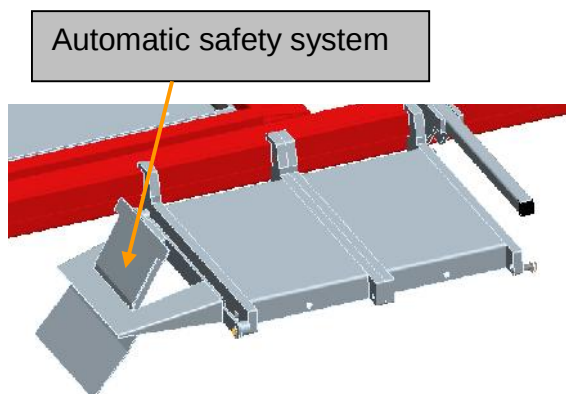
CAUTION :

All the yellow parts have to be removed from the X-ONE Entry peripheral frame before lowering it completely.



Hydraulic brake :
Flow regulator

- Pressure regulator
- Switch with padlock
- Sound signal



Emergency stop



Emergency stop:

Safety switch to stop the table immediately.

Hydraulic brake

System limiting the oil leaking in the jacks area and enabling a slow and smooth lowering, whatever the load may be.

Safety rack

Mechanical safety system blocking the lowering operation by means of steel notches in case of hydraulic trouble.

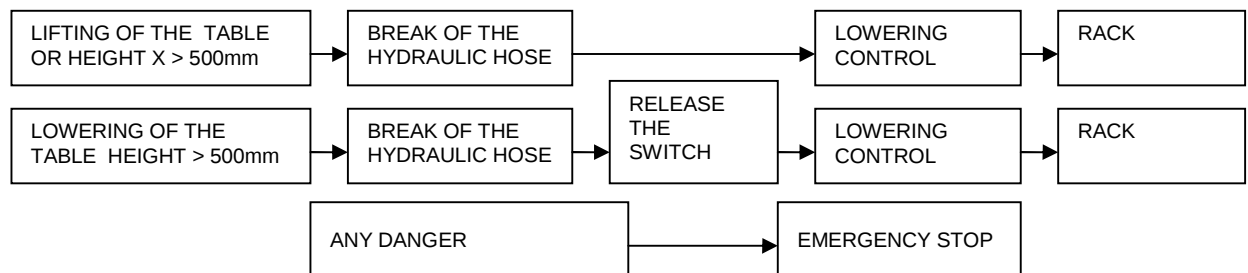
Switch with padlock

System avoiding a unauthorized utilization when the lifting unit has been placed out of order

Automatic safety system

Automatic system designed to lock the vehicle on the table, in addition to the removable supports.

12.8- Possible steps in case of dysfunction

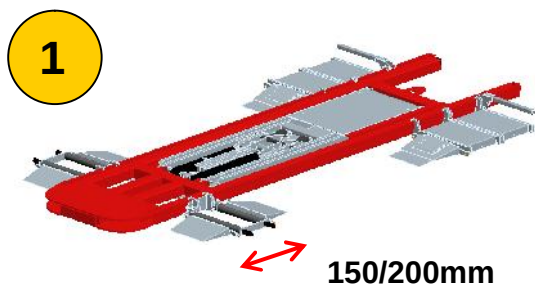


12.9- Possible risks

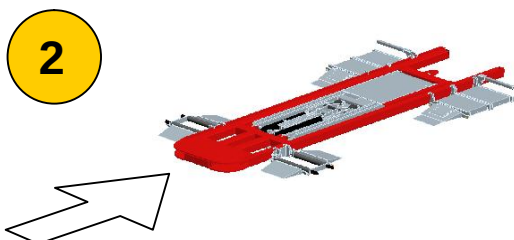
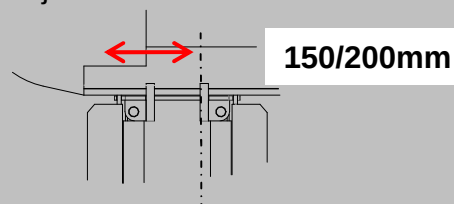
RISK	SOLUTION
Crushing – Pinching out	Sound signal
Cutting	Control unit with continuous activation system
Hydraulic leakage	Automatic locking of the safety system (mechanical rack)
Hose breaking	Lowering control system with valve
High pressure fluid projection	Overpressure preventer
Activation of the lifting unit during a repair or maintenance operation	Main switch with padlock
Shifting of the vehicle on the lifting unit	Automatic anchor post / Removable support
Fluid projection	Power unit IP54

13- Utilization of X-ONE Entry :

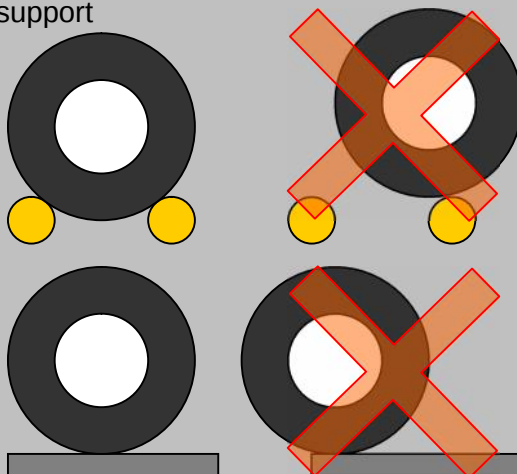
13.1- Installation of the vehicle on the X-ONE Entry



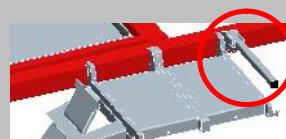
Adjust the wheelbase



Drive up the vehicle on the **X-ONE Entry** and center the wheels on the front wheel support



Install the safety units on one of the wheels.



It is now possible to lift up the vehicle to the selected work height.



CAUTION :

It is prohibited to handle the car when lifted.

13.2- Installation of anchoring clamps

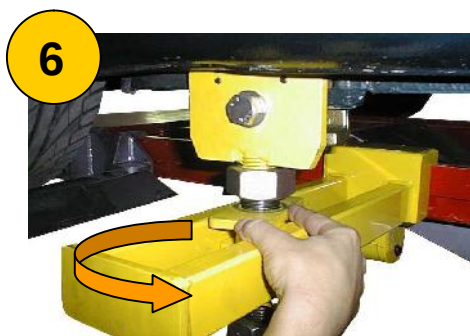


CAUTION :

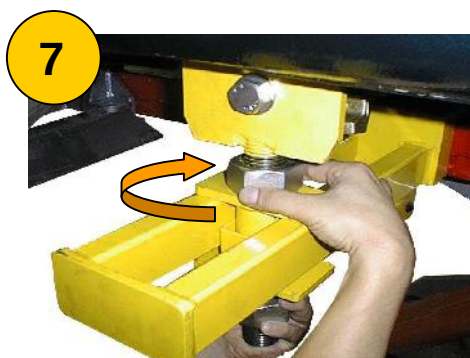
Before any **pulling operation**, the vehicle has to be placed on the **4 clamps**.



Install the clamps on the **X-ONE Entry** peripheral frame, near the vehicle anchoring points, and place the sill flanges into the sill clamps.



Revolve the upper plate by 90°



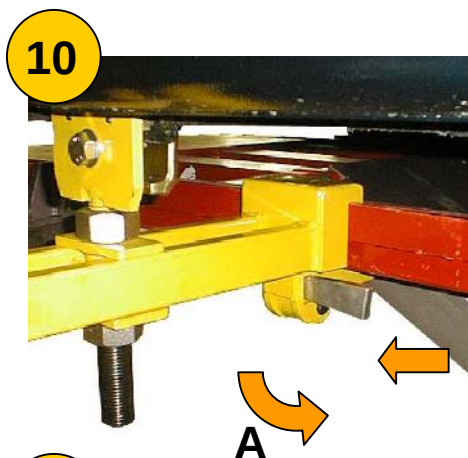
Adjust the clamp height in connection with the sill flanges while turning the nut.



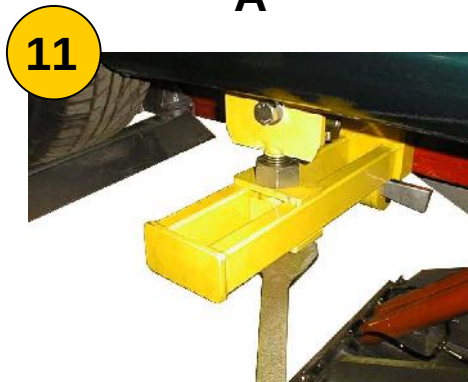
Tighten the clamp jaws



Lock the main nut to release the suspensions located near the removable supports



Lift the switch (A) and knock on wedge (B) to lock the clamp on the peripheral frame.



Adjust the height of the clamp in connection with the sill flanges while turning the nut
Revolve the upper plate by 90°

Lock the lower nut to block the unit.



13.3- Wheels removal

12



Take off the ramps of the removable supports

METTRE A JOUR
PHOTO

13



Pull out the extensions and unfold the removable support .

14



Take off the removable support.

15



Remove the wheel.

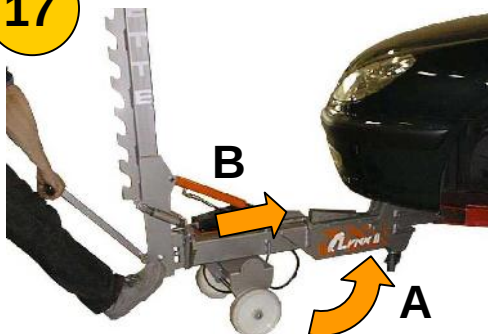
13.4- Installation of the pulling unit

16

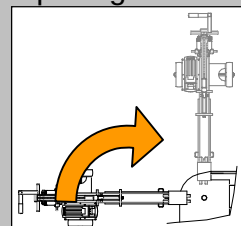


Lower the table to install the pulling unit.

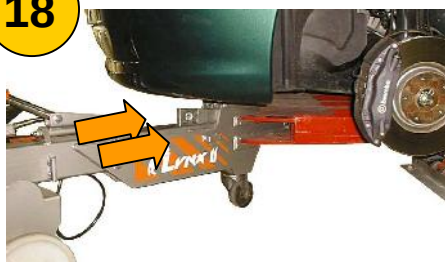
17



Lift up the front end of the pulling unit while pushing down the rear bar (A). Insert the front end into the selected aperture until anchor post (B). Orienteate the pulling unit :



18



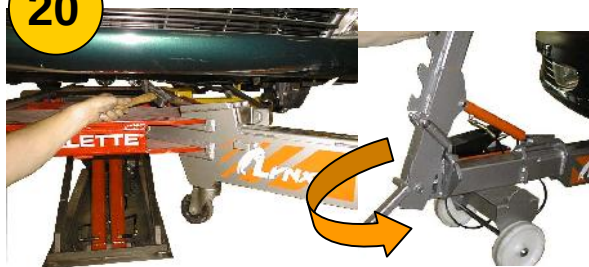
Insert the wedges and lock them. **One or two blows of hammer are enough to lock the pulling unit correctly**
Take off the removable support.

19



CAUTION :
Inserting the wedge too strongly may damage the equipment.

20



To modify the horizontal orientation of the pulling unit without lowering it back to the ground :
Unlock the wedges and orientate the pulling unit again

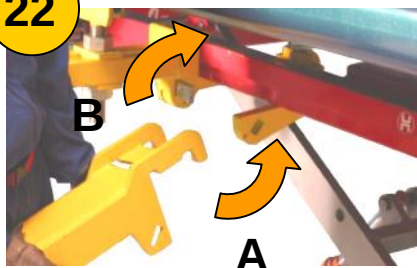
13.5- Lateral pulling operation :

21



Lift the X-ONE Entry at the selected height to place the multi use support

22



Slide the cross-head, through the inside, around tube of the table (A) .
Then place the support on the peripheral frame, while surrounding it (B).

23



Slide the plate between the support and the tube, under peripheral frame (C).
Lock the wedge by means of a hammer.



CAUTION :

Insert the wedges too strongly may damage the equipment.

24



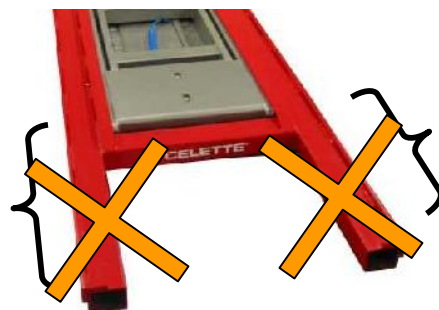
Lift up the front end of the pulling unit while pushing down the rear bar, and insert it in the support aperture (D).
Insert and lock wedges (E).

Lift up the X-ONE Entry



CAUTION :

It is prohibited to place the pulling unit at the rear end of X-ONE Entry

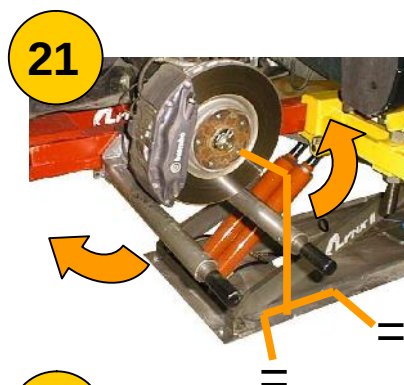


The repair is possible **without removing the wheels** (the vehicle is being place on the supports).

Nevertheless, it is very easy and rapid to put the wheels back in place :

13.6- Wheel back in position:

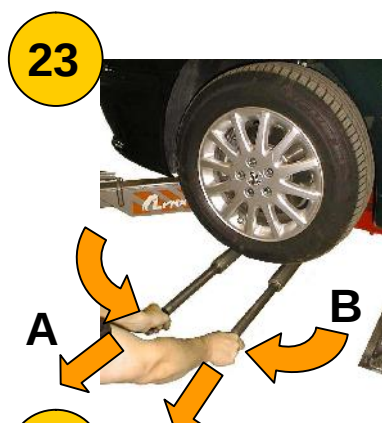
In case it is possible to fold the arms manually :



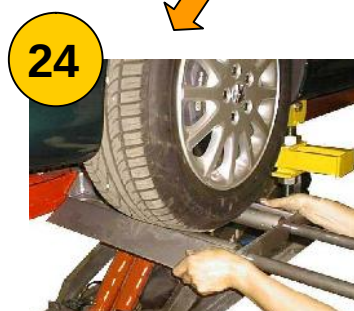
Place the removable support in position again while aligning it with the axis of the axle and unfold the arms.



Place the wheel in position again



Unfold the extensions (A) and fold the arms (B).



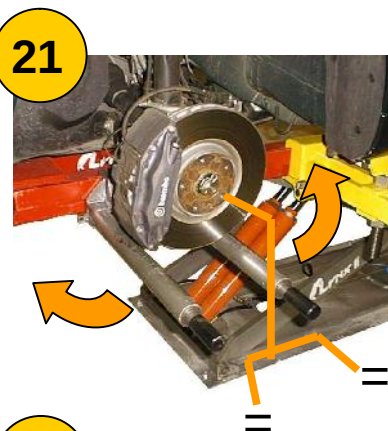
Lock the support by means of the latch and install the ramps.



CAUTION :

All the yellow parts have to be removed from the peripheral frame of X-ONE Entry before a complete lowering.

In case it is impossible to fold the arms manually :



Place the support in position again while aligning it with the axis of the axle and unfold the arms



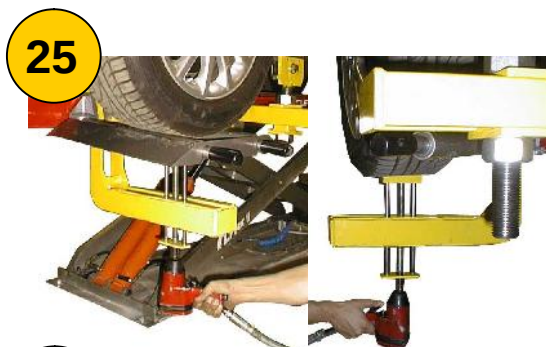
Install the slider in alignment with the axis of the axle



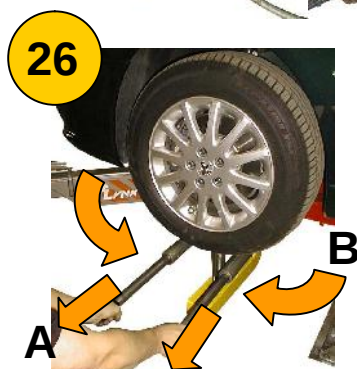
Lower the slider until the anchor post..



Place the wheel in position again



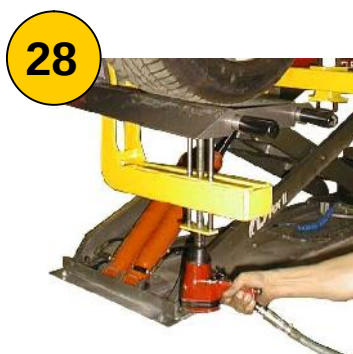
Install the slider in position again using a bolting device



Unfold extensions (A) and fold the arms (B).



Lock the support with the latch and install the ramps.



Lower the slider again and remove the wheel support.

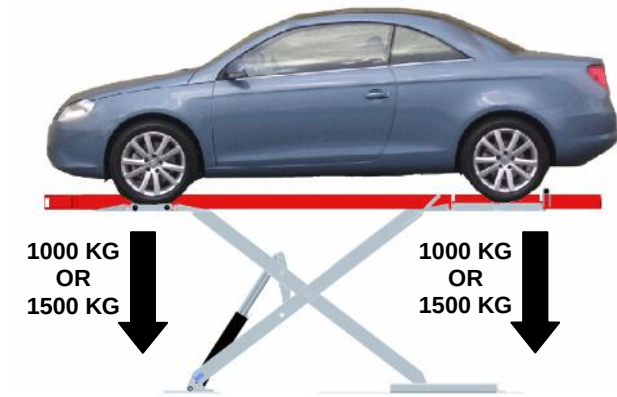


CAUTION :

All the yellow parts have to be taken off the peripheral frame of X-ONE Entry before lowering it completely.

14- Balance of weights

Maximal load capacity : **2500KG / 5500Lbs** divided in 2/5, 3/5 on each axle



15- Maintenance

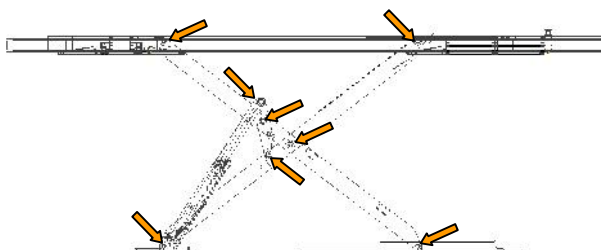
To insure the reliability and durability of your equipment, we advise to complete following checkings regularly, **at least once a year**. All maintenance operations must be one with the unit out of order. If the lift is up, it needs to rest on the security rack.

- The oil level of the power unit tank. To achieve this operation, the table has to be completely folded..

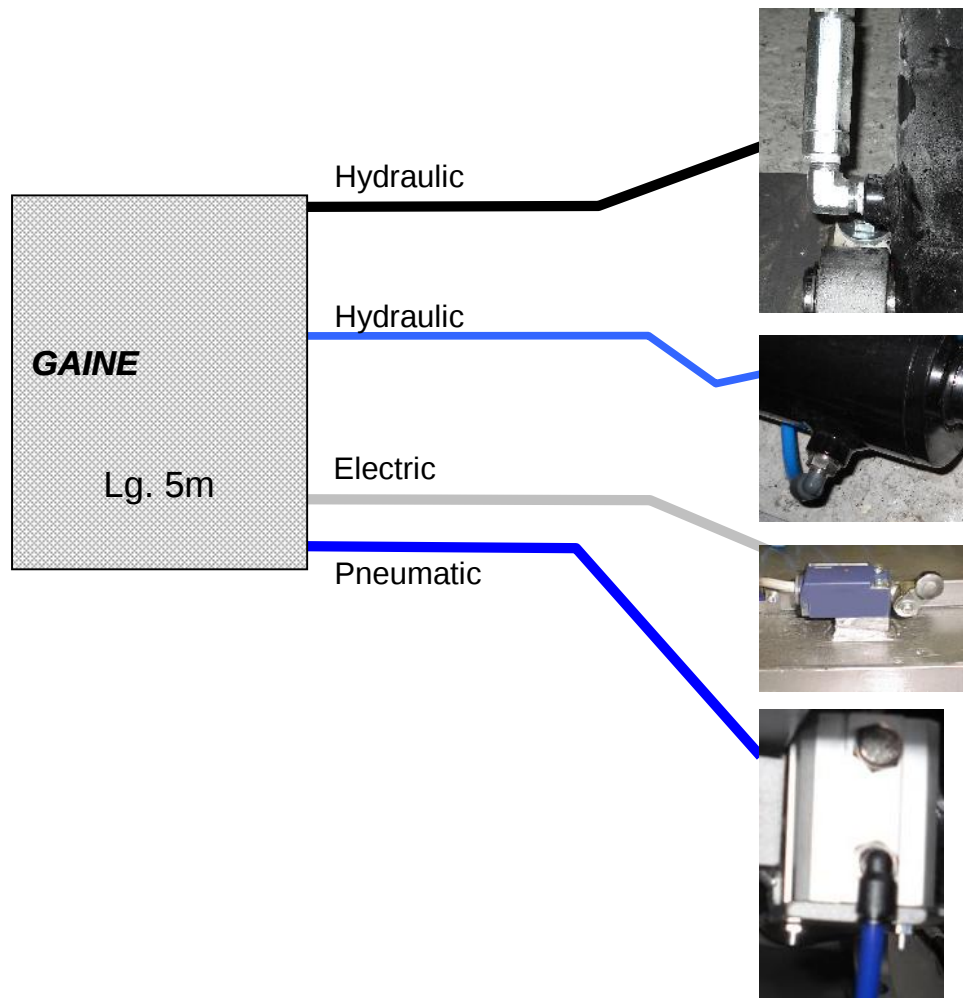


Tank filling opening

- The oil level of the puling unit pump. The ram has to be folded.
- The condition and aspect of the hydraulic and pneumatic hoses (possible leakages or scratchings).
- The condition and aspect of electric wires.
- All connections (hydraulic, pneumatic and electric) of the table, power unit and pulling unit.
- The condition and aspect of the belt and of the pneumatic ram.
- The condition and aspect of the rack and safety system teeth.
- The condition of the safety stickers.
- The locking
- The Buzzer
- The lubrication of mobile points :



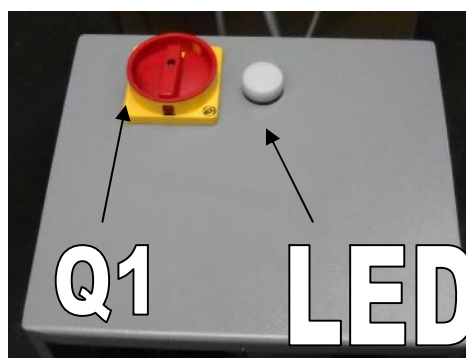
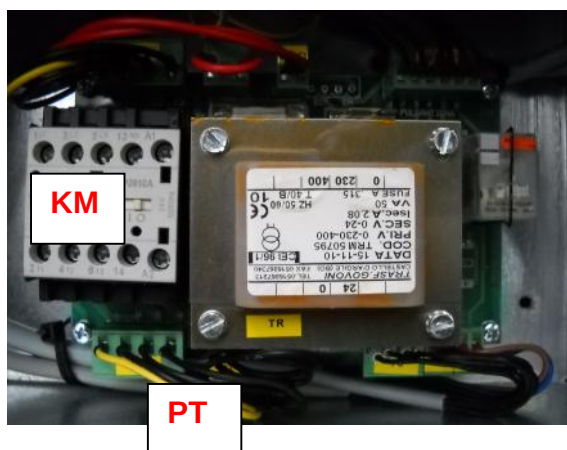
16- Power unit – Table connections



17- Dysfunctions – After Sales Dept

FOR ANY INTERVENTION, CONTACT OUR AFTER SALES DEPT.

CAUSE OF THE DYSFUNCTION	CHECKING	SOLUTION
The control light does not light on. No movement possible.	- General energy supply - Break switch (Q1) - Fuse (F1 and F2)	- Connect the energy supply to a plug - Place the main switch on ON position - Replace fuses F1 or F2. - Check the main energy supply of the switchboard and of the workshop.
The control signal lights on. No function possible	- Emergency locking of the handle - Condition of sensor. - Compressed air supply	- Unlock the emergency locking. - Contact our After Sales Dept. - Replace the faulty sensor. - Connect the power unit to the network.
No downwards movement possible.	- Compressed air supply - Coil of the hydraulic discharge electrovalve - Air leakage in the connection arear	- Connect the device to a compressed air supply - Check the pressure of the workshop pneumatic network. - Contact our After Sales Dept. - Repair the air leakage.



18- Enclosures

SCHEMA

SCHEMES

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DIBUJOS

DIAGRAMME