



HYDRAULICS

HYDROPNEUMATIC TROLLEY JACK

3 PISTONS

“HN-360”



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1. BEFORE USING THE EQUIPMENT.

Before using the hydraulic trolley, read these instructions carefully and familiarise yourself with security pictures. This manual is a part of the machine so it is obligatory to read it and must be conserved.

The symbols used in this manual are the following:

 **ATTENTION:** This symbol depicts a security advert, and shows that we have strictly followed the manual instructions. If we do not do this, should produce material damage or personal injuries, also lethal damage.

 Put the load settled.

 Block the load and do not operate behind this.

The omission of these instructions may cause material and personal injuries that LARZEP, S.A. will not be responsible for. When unpacking check that the hydro pneumatic trolley is not damaged, or that it has loose pieces.

If any anomaly, damage, sign of corrosion, or any fault is found, do not use the equipment, store it in a clean place and where children can not access it, until the equipment is repaired or replaced.

 **Never use faulty equipment.**

The hydro pneumatic trolley has been designed and fabricated in order to elevate vehicles, the principal groups are:


- 1- Commands group
- 2- Lever group
- 3- Motor-pump group
- 4- Tank group
- 5- Cylinder and pistons group
- 6- Depressor group
- 7- Chassis-housing group
- 8- Tank group.

2. ESSENTIAL SAFETY REQUIREMENTS.

- Do not operate the overpressure valve, which is strapped.(3)
- Before starting the elevation operation, block the vehicle by placing wedges under the wheels.
- Put the load in a way that stay settled in the cylinder's piston plate. (5)

•  Settled load.

• Once the load is elevated, it is necessary to block it, in order to avoid risks.

•  Block the load and do not operate behind it.

- Do not elevate the load in restricted areas in order to avoid the risk of been trapped.
- During the elevating and descending operations ensure there is nobody under the load.
- Do not elevate load on irregular surfaces, or dipped surfaces, to avoid the risk of dumping.
- Do not assemble extensions or use spare parts that are not authorised by your dealer or LARZEP, S.A.
- There is the possibility to connect supplies to the piston of 70 mm and 120 mm.

3. TECHNICAL FEATURES.

MODEL	"HN-360"	
CAPACITY	60 / 30 / 18 tonne	
HEIGHT	180 mm.	
PISTON TOTAL STROKE	237 mm.	
FEEDING MAXIMUM PRESSURE	8 / 12	
DIMENSIONS	1395 x 350 x 980	
WEIGHT	70 Kg.	

START UP

The hydro pneumatic trolley is properly packed on a wooden pallet.

In order to start up, unpack the equipment and read the instruction manual.

The manual must be accessible to the operators, familiarise with the equipment and your co-workers, do not lose it.

- 1- Release the lever (2) and the cylinder (5).
- 2- Introduce the lever in the hole provided to it, located in the chassis (7), and put the fastening socket with the pin, checking that they are tighten, using if is necessary any drop off auto blocking.
- 3- Connect the two tubes of air, between the lever and the chassis using the connections provided in the lever in accordance with the tubes which have the same colour.

Connection with the installation of compressed air.

The compressed air goes into the circuit by means of the rapid coupler located in the superior right side of the lever; it is necessary to have a connection tube with a rapid coupler compatible with the hydro pneumatic trolley's junction.

Check that the hoses have an interior diameter of 8 mm and that there is no throttle.

Never introduce in the compressed air circuit, hydraulic oil, vaseline oil, brake liquid, petrol or other liquids.

Cut in the installation of air with a dehumidification machine.

If you wish to lubricate the circuit, use only:

AGIP OSO 100, MOBIL DTE 27, ESSO TERESSO 100

ENVIROMENTAL CONDITIONS

The hydro pneumatic trolley runs in normal environmental conditions, being the minimum and maximum temperatures that supported respectively: -20°C and +50°C.

4. START UP.

- 1- Enforce the security rules of this manual.
- 2- Support the hydro pneumatic trolley on a stable and safety surface.
- 3- To elevate the load, turn to the right (respect the operator) the command (1).
- 4- Block the load once it is elevated.
- 5- To descend the load, turn the command (1) to the left (respect the operator's position)
- 6- The chief operator must be responsible for providing their personnel, the needed information and the necessary training about the pumping and translation forces.
- 7- In case of distributor's break during the use, close the security faucet, located in the command (1) between the rapid coupler of air connection, and the proper distributor.

IMPROPER USE



This Jack has been designed and engineered in order to elevate means of transport, any other use of the jack like persons elevation or displacement, is considered improper, as well as any other use not contemplated in this manual, and which does not respect the security rules.

5. MAINTENANCE.

The jack is provided with a lever with 3 positions and with a distributor valve 4/3 mono-stable.

In case of break or disconnection of the air tube, the jack blocks immediately.

To lengthen the life of the jack, it is recommended to clean the pistons externally fortnightly.

Check twice a year unless, the oil level in the tank, this control must be done with the pistons fully retracted. It is necessary to check the oil level by unscrewing the pin.

- If needed refill the tank with oil, check that you are using recommended and compatible oil, if this is not the case the equipment could become damaged.

- If the oil level is higher than anticipated, or the jack has been dumped, the oil is expelled by means of the depressor in a type of spray.

This problem disappears when the oil level is correct, if the level is very high it is recommended to retract it until reaching the correct level, and follow the rules of residue treatment.

- If the motor starts but the load does not elevate, check the oil level, if it is low, add oil and purge the circuit.

To do this operation, with the piston fully extended, put the jack in a vertical position and close the faucet, continue placing the command in descend position until the piston retracts fully and when it is only the oil which goes out, check the oil level again and open the faucet.

For any other faults or damage, consult with your authorised service dealer or with LARZEP, S.A., who provide specialist personnel when necessary in order to perform other kinds of maintenance operations and necessary repairs. Do not hesitate to consult us; we are at your disposal.

6. WARRANTY.

LARZEP, S.A. guarantees its products against all design and manufacturing defects for the duration of two years from the date of purchase. This guarantee does not include the ordinary wear of both metal and non-metal parts, abuse, using the equipment beyond its rated capacity and any wear or damage incurred as a result of using a hydraulic fluid which is not recommended by **LARZEP, S.A.**

Please note that if the equipment is disassembled or serviced by anyone other than an authorised service dealer or by **LARZEP, S.A.**, this guarantee is rendered null and void.

In the event of a warranty claim, return the equipment, to **LARZEP, S.A.** or the authorised dealer who sold you the hydraulic equipment, **LARZEP, S.A.** will repair or replace the faulty equipment, whichever is deemed most appropriate. **LARZEP, S.A.** shall not be held liable for any consequential damages or loss, which may occur as a result of faulty equipment.

7. DECLARATION OF CONFORMITY.

DECLARACION DE CONFORMIDAD

LARZEP, S.A.
Dirección: Avda. Urriaga, 6
48269 Mallabia ESPAÑA

Declaramos bajo nuestra exclusiva responsabilidad la conformidad de los productos a los que refiere esta declaración, con las disposiciones de la directiva: 89/392/CEE, 91/368/CEE, 93/44/CEE, 93/68/CEE, 98/37/CEE

E

DECLARATION OF CONFORMITE

Nous, LARZEP, S.A.
Adresse: Avda. Urriaga, 6
48269 Mallabia SPAIN

Déclarons sous notre seule responsabilité que les produits auxquels se réfère cette déclaration sont conformes aux dispositions des Directives: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

F

DECLARAÇÃO DE CONFORMIDADE

Nós, LARZEP, S.A.
Endereço: Avda. Urriaga, 6
48269 Mallabia SPAIN

Declaramos, sob nossa única responsabilidade, que os seguintes produtos, incluídos nesta declaração estão em conformidade com o disposto na Directiva: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

P

ÖVERENSSTEMMELSESERKLÆRING

Vi, LARZEP, S.A.
Adresse: Avda. Urriaga, 6
48269 Mallabia SPAIN

Erklærer på eget ansvar, at følgende produkter som er omfattet af denne erklæringen, er i overensstemmelse med bestemmelsene i Direktiv: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

DK

ERKLÆRINGOM OVERENSSTEMMELSE

Vi, LARZEP, S.A.
Adresse: Avda. Urriaga, 6
48269 Mallabia SPAIN

Erklærer på eget ansvar, at følgende produkter som dækkes af denne erklæringen, er i overensstemmelse med bestemmelsene i Direktiv: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

N

ÜBEREINSTIMMUNGSEKTLÄRUNG

Wir, LARZEP, S.A.
Anschrift: Avda. Urriaga, 6
48269 Mallabia SPAIN

Erklären auf eigene Verantwortung, daß folgende Produkte, auf die sich diese Erklärung bezieht, mit den Bedingungen der Direktiven 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC übereinstimmen.

D

Tipo, Type, Typ, Tyyppi.

SM / SH / SP / SMP / SX / SMX / ST / STX / SL / SMA / SHA / SSR / T / TE / TD / D / DH /
DDR / Z / ZR / W / X / YA / YG / YZ / HM / HE / HG / HZ / HS / WI / CK / CC / CN / FU / FV
/ FZ / FA / CY / AA / AU / CT / C / KC

A / AB / AC / BL / B / AF / F / HN / DLG / DL / DP / VA / VB / VC / VZ / EC / EE / EG / EM /
EZ / CA / CS

Mallabia, ESPAÑA 2005 / 04 / 27

Lugar y fecha, place and date, lieu et date, plats och datum, paikka ja päivämäärä, udstedelsessted og-dato, ort und datum, plaats en datum, local e data, luogo e data.

DECLARATION OF CONFORMITY

We, LARZEP, S.A.
Address: Avda. Urriaga, 6
48269 Mallabia SPAIN

Declare under our sole responsibility that the following products to which this declaration relates conform with the provisions of Directives: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

GB

DICHIARAZIONE DI CONFORMITÀ

Noi, LARZEP, S.A.
Indirizzo: Avda. Urriaga, 6
48269 Mallabia SPAIN

Dichiariamo sotto la nostra esclusiva responsabilità che i prodotti ai quali questa dichiarazione si riferisce sono conformi quanto previsto dalle Direttive: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

I

VAATIMUSTEMUKAISUUSVAKUUTUS.

Me, LARZEP, S.A.
Osoite: Avda. Urriaga, 6
48269 Mallabia SPAIN

Vakuutamme yksinomaan omalla vastuullamme, että seuraavat tuotteet, joihin tämä vakuutus liittyy, ovat seuraavien Direktiivien vaatimusten mukaisia: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

FIN

VERKLARINGVAN OVEREENKOMST.

Wij, LARZEP, S.A.
Adres: Avda. Urriaga, 6
48269 Mallabia SPAIN

Verklaren geheel onder eigen verantwoordelijkheid dat de volgende producten, waarop deze verklaring heeft in overeenstemming zijn met de bepalingen van Richtlijn: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

NL

FÖRSÄKRAN OM ÖVERESSTÄMMELSE

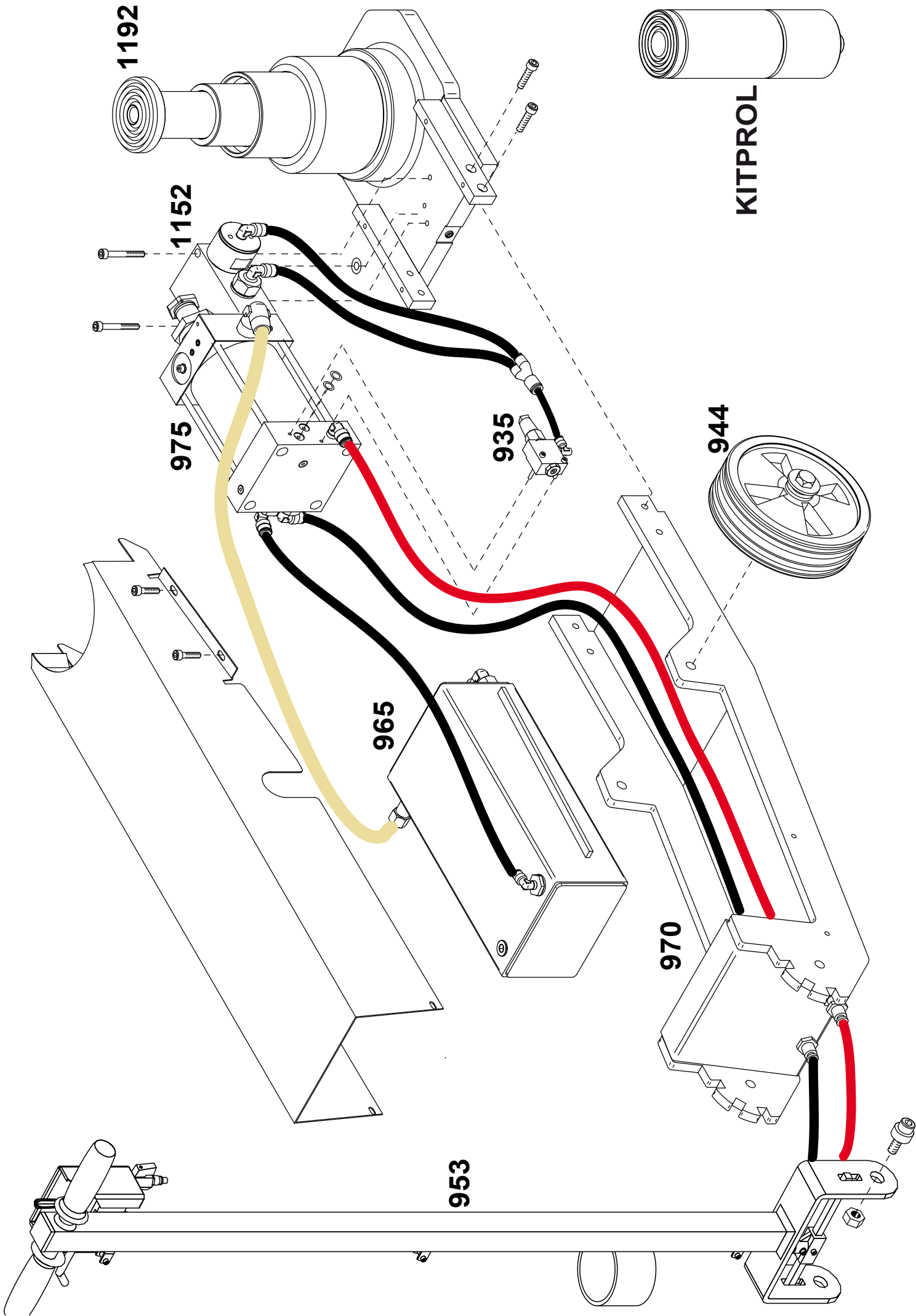
Vi, LARZEP, S.A.
Adress: Avda. Urriaga, 6
48269 Mallabia SPAIN

Försäkrar under eget ansvar att följande produkter som omfattas av denna försäkran är i överensstämmelse med villkoren i Direktiv: 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

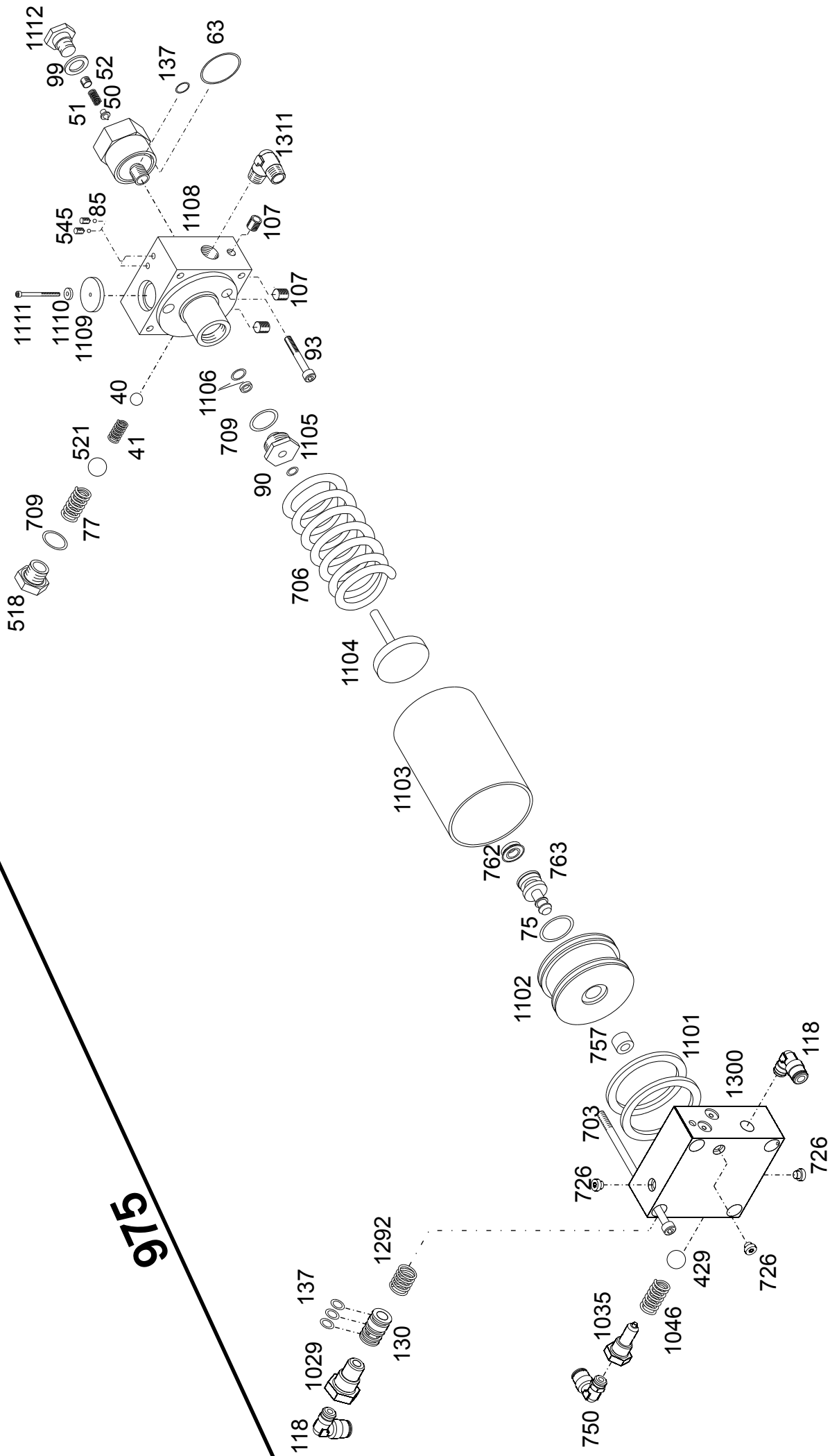
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LARZEP, S.A.

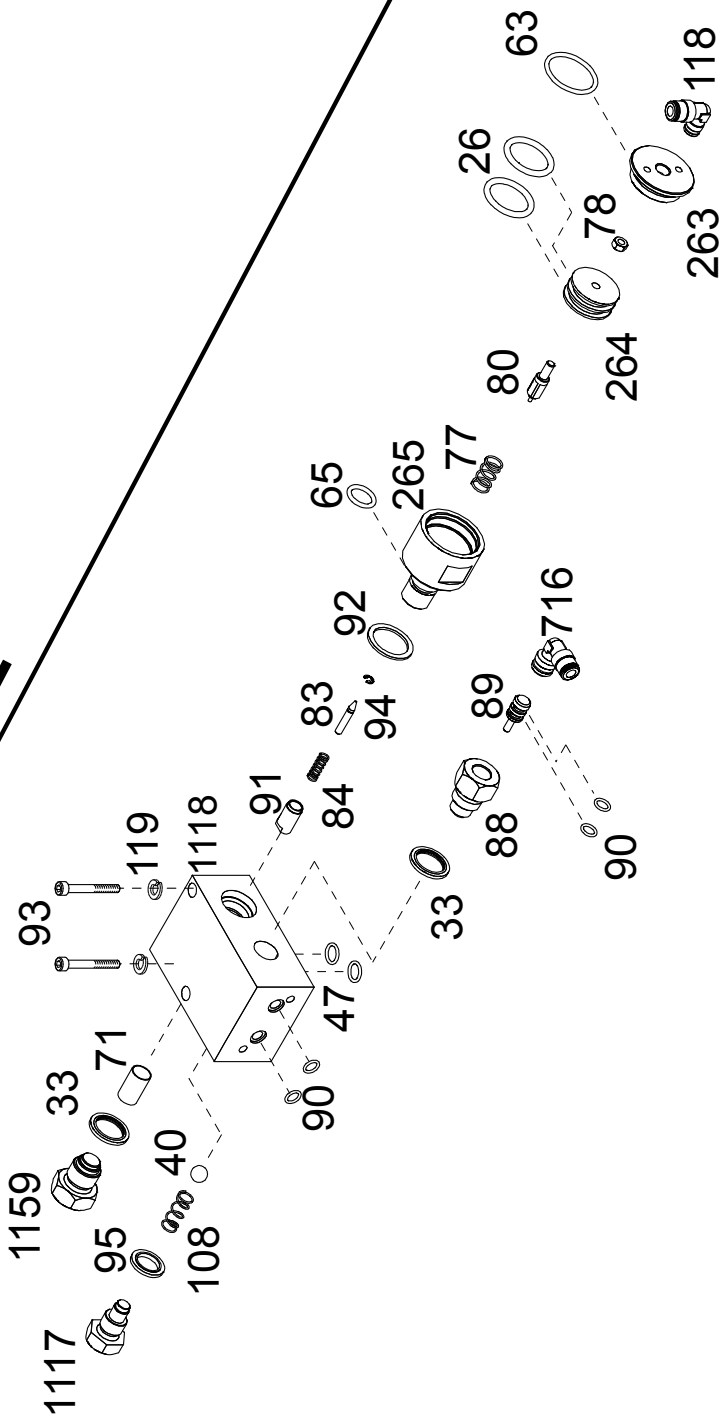
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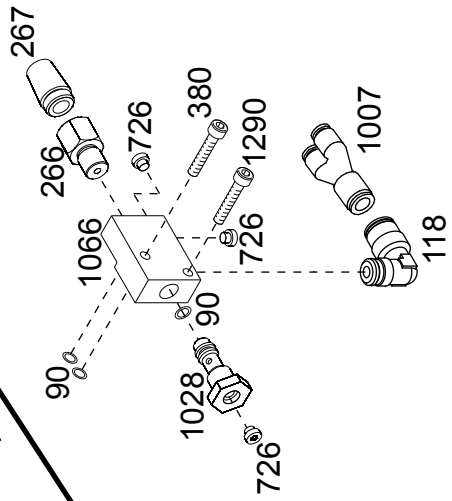
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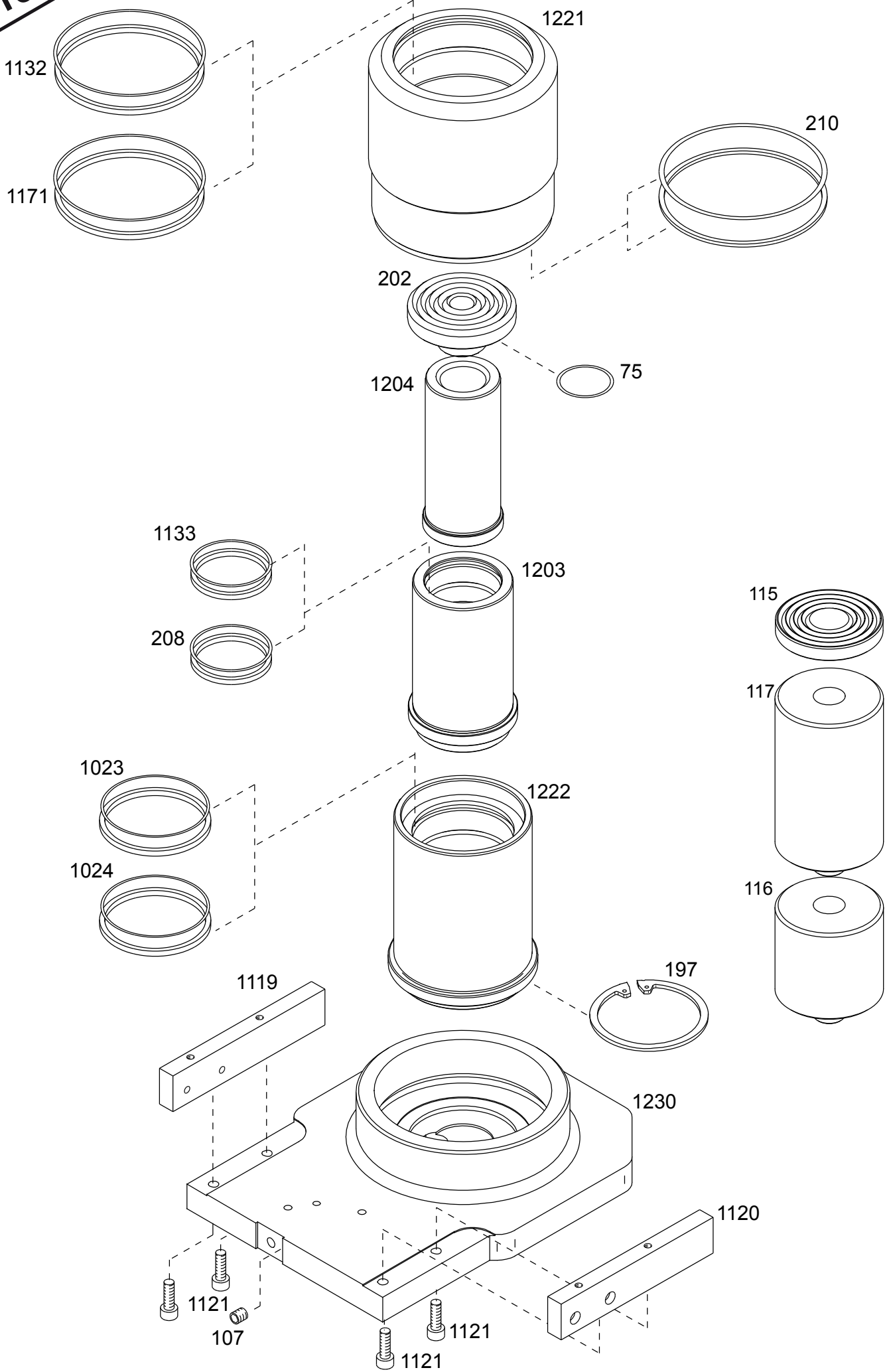
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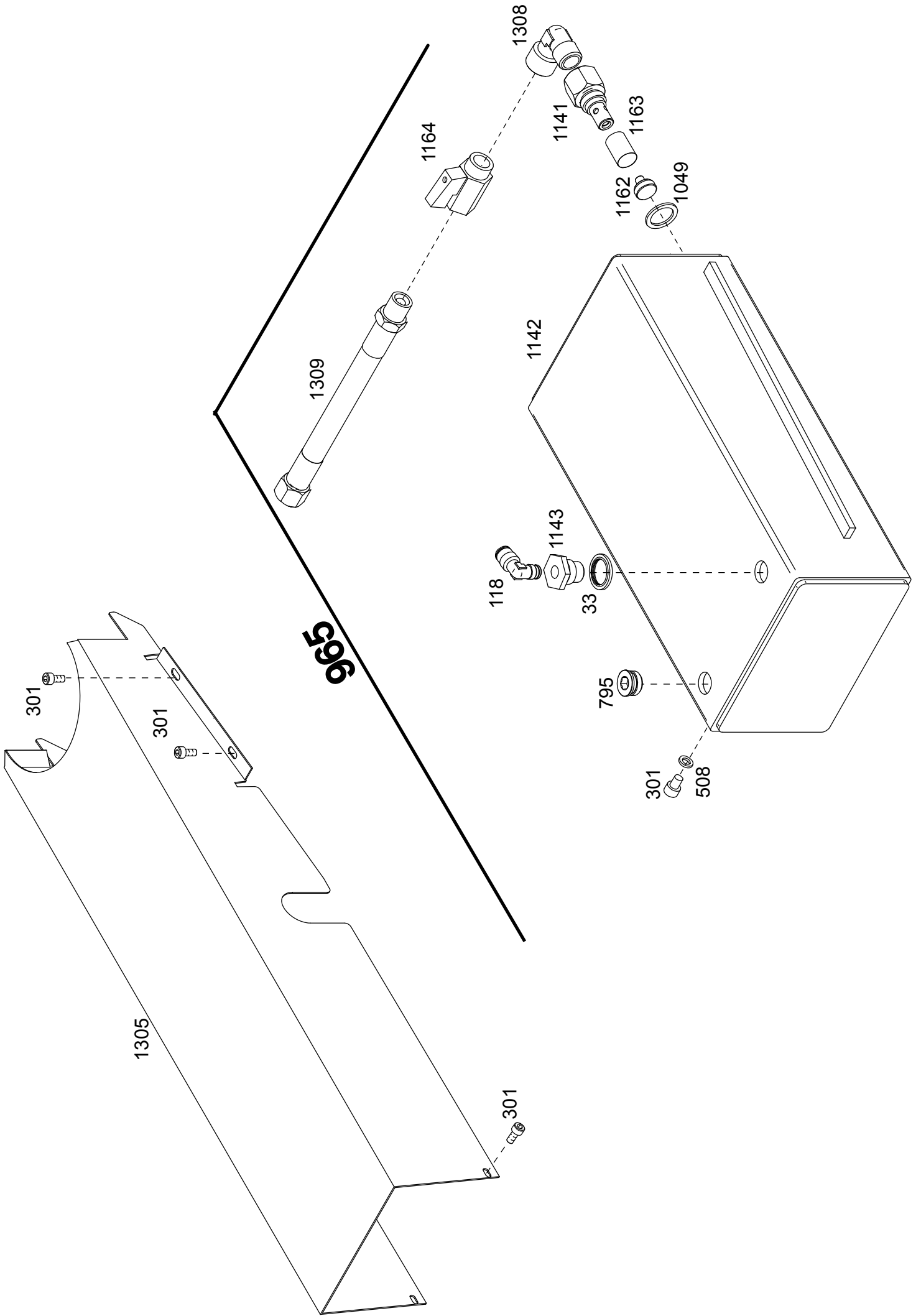


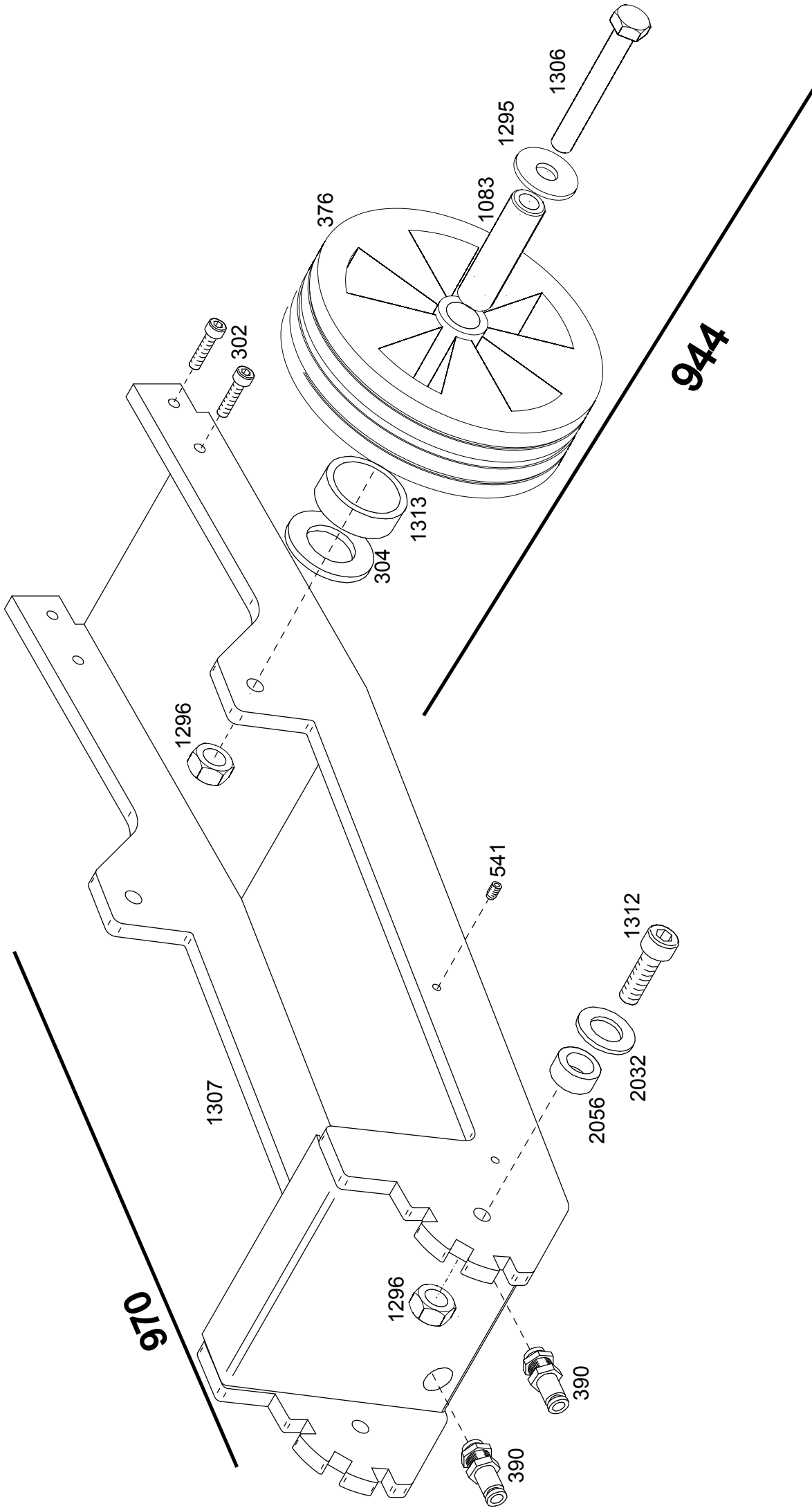
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