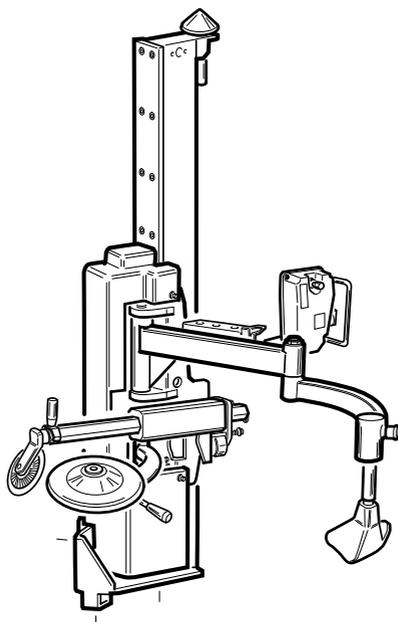




ALLY 90



Cod. 4-111548 del 08/10

Italiano
English
Français
Deutsch
Español

Manuale d'uso
Operator's manual
Utilisation et entretien
Betriebs und Wartungsanleitung
Uso y mantenimiento

TRANSLATION OF ORIGINAL INSTRUCTIONS

CONTENTS

INTRODUCTION	14
TRANSPORT, STORAGE AND HANDLING	15
Ambient conditions for storage and transport.....	15
SAFETY REGULATIONS	16
INSTALLATION	17
Arms installation	17
MOUNTING/DEMOUNTING THE TYRE.....	18
Demounting	18
Mounting	18
MAINTENANCE	19
DEMOLITION	19
ENVIRONMENTAL INFORMATION	19
RECOMMENDED FIRE-EXTINGUISHING DEVICES	20

INTRODUCTION

The purpose of this manual is to furnish the owner and operator of this machine with a set of practical and safe instructions for the use and maintenance of theHELP power unit.

Follow all the instructions carefully and your tyre changer will assist you in your work and give lasting and efficient service in keeping with the manufacturer traditions.

The following paragraphs define the levels of danger regarding the machine associated with the warning captions found in this manual:

DANGER

Refers to immediate danger with the risk of serious injury or death.

WARNING

Dangers or unsafe procedures that can cause serious injury or death.

ATTENTION

Dangers or unsafe procedures that can cause minor injuries or damage to property.

Read these instructions carefully before powering up the machine. Conserve this manual and all illustrative material supplied with the machine in a folder near the tyre changer where it is readily accessible for consultation by the machine operator.

The technical documentation supplied is considered an integral part of the machine; in the event of sale all relative documentation must remain with the jack.

The manual is only to be considered valid for the machine of the model and with the serial number indicated on the nameplate carried by the machine.



WARNING

Adhere to the contents of this manual: the manufacturer declines all liability in the case of uses of the equipment not specifically described in this manual.

Note

Some of the illustrations in this manual have been taken from photographs of prototypes; the standard production model may differ slightly in certain respects.

These instructions are for the attention of persons with basic mechanical skills. We have therefore condensed the descriptions of each operation by omitting detailed instructions regarding, for example, how to loosen or tighten the fixing devices on the machine. Do not attempt to perform operations unless properly qualified and with suitable experience. In case of need, please contact our nearest authorised Service Centre for assistance.

TRANSPORT, STORAGE AND HANDLING

MACHINE TRANSPORT CONDITIONS

The power unit must be transported in its original packaging and kept in the position indicated on the packaging itself.

ALLY 90

- maximum tyre diameter 1040 mm
- force applied by the roller N 700 at 10 bar
- operating pressure 10 bar
- Weight:
- HELP 70.00 kg
- Control arm 14.82 kg
- Arm with bead lifting disc 5.10 kg

Ambient conditions for storage and transport

Temperature range from -25° to +55°C.



WARNING

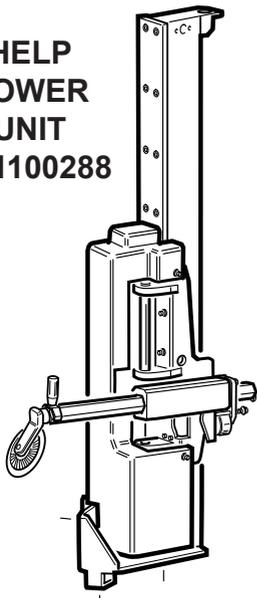
Do not stack other goods on top of the packing or damage may result.



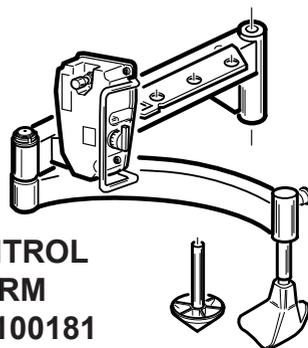
ATTENTION

Keep the packing material intact for possible future transport of the machine.

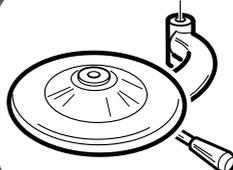
**HELP
POWER
UNIT
8-11100288**



**CONTROL
ARM
8-11100181**



**ARM WITH
BEAD
LIFTING DISC
8-11100183**



SAFETY REGULATIONS

The equipment is intended for professional use only.



WARNING

Only one operator may work on the equipment at a time.



WARNING

Failure to observe these instructions and the relative danger warnings can cause serious injury to the operator and others. Do not power up the machine before you have read and understood all the danger/warning/attention notices in this manual.

This machine must be used only by qualified and authorised personnel. A qualified operator is construed as a person who has read and understood the manufacturer's instructions, is suitably trained, and is conversant with safety and adjustment procedures to be adhered to during operations. Operators are expressly forbidden from using the machine under the influence of alcohol or drugs capable of affecting physical and mental capacity.

The following conditions are essential:

- The operator must be able to read and understand all the information in this manual.
- Make sure you have a thorough knowledge of the capabilities and characteristics of this machine.
- Keep unauthorised persons well clear of the area of operations.
- Make sure that the machine has been installed in compliance with established legislation and standards.
- Make sure that all machine operators are suitable trained, that they are capable of using the machine correctly and that they are adequately supervised during their work.
- Never leave nuts, bolts, tools or other equipment on the machine to avoid the risk that they could become entrapped between moving parts during work.
- Do not touch power lines or the inside of electric motors or other electrical equipment until the power has been disconnected and locked out.
- Read this manual carefully and learn how to use the machine correctly and safely.
- Always keep this user manual in a place where it can be readily consulted when working with the machine and consult it whenever you are in need of confirmation or explanations.



WARNING

Do not remove or deface the safety Danger, Warning or Instruction decals. Replace any missing or illegible decals. Missing or damaged decals can be obtained at your nearest SIMPESFAIP dealer.

- When using and carrying out maintenance on the machine observe the unified industrial accident prevention regulations for high voltage industrial equipment.
- Any unauthorised alterations made to the machine automatically release the manufacturer from any liability in the case of damage or accidents attributable to such alterations. Specifically, tampering with or removing the machine's safety devices is a breach of the regulations for industrial accident prevention.



WARNING

When operating or servicing SIMPESFAIP equipment do not wear ties, loose fitting clothes, necklaces, rings or wristwatches that could become entrapped by moving parts.

INSTALLATION

- Disconnect the machine from the electricity and compressed air supply systems (fig.5).
- Disconnect the air lines from the filter-regulator unit and remove the unit, which is on the right-hand side of the rear of the machine body (fig.6-7).
- Disassemble the side panel (fig. 8).
- Fit the HELP power unit; pass the two air lines T through the openings provided and tighten the screws (fig.9): please follow the same sequence shown in the picture in order to guarantee a correct assembly.
- Reassemble the filter-regulator unit in the new position (fig.10).
- Reconnect the pipelines to restore the compressed air supply by connecting the two T air lines previously positioned to the two unions of the filter-regulator unit and add the "Y" RT1 union (fig. 11).

Arms installation

- Remove the front panel of the HELP (fig.12).
- Grease the seat of the arm and the pivot pin F1 with Lok-cease.
- Fit the arm (fig.13): insert the pivot pin F1 in the HELP and arm seat provided and secure with the two snap rings S1 and S2.
- Connect the pneumatic circuit (fig. 14):
 - connect pipeline A (\varnothing 8) to union RT1;
 - connect the two black B and C pipelines (\varnothing 6);
 - collegare il tubo E (\varnothing 4) al cilindro di bloccaggio;
 - fasten them using straps M provided with the machine (fig. 15)
- Fit the arm with bead lifting disc (fig.17): fit the arm with disc into the seat provided in the HELP and secure it with the pivot pin F2 and the two snap rings S3 and S4.

-
- Replace the front panel of the HELP (fig.19).
 - Replace the side panel (fig. 19).
 - Reconnect the machine to the electricity and compressed air supply systems (fig.19).

MOUNTING/DEMOUNTING THE TYRE



WARNING

For all tyre mounting/demounting procedures not specifically described, refer to the tyre changer operator's manual.

The ALLY 90 accessory is designed to simplify the demounting and mounting of light alloy rims and especially stiff low-profile tyres.

Proceed as follows to get the best performance from these accessories.

Demounting

- After breaking the bead of the wheel, place it on the turntable and clamp it on the outside. Fit the rim clamping cone on the end of the articulated arms, align the cone with the hole in the centre of the rim and press the down lever (fig.20) until the sliding clamps have been inserted between the rim and the tyre (fig.22), then press the pedal to clamp the wheel.
- Remove the centering cone, put it away and restore the bead presser block to its place.
- Tilt the column forward and position the mounting/demounting tool, place the rim clamping roller at a tangent to the external diameter of the rim (fig.23) and press the down lever to create a gap between the mounting/demounting tool and the tyre large enough to allow the bead lifter lever to be inserted (fig.23). Remove the bead presser roller, position the bead presser block opposite the mounting/demounting tool and press the down lever to insert the bead inside the drop centre of the rim (fig. 25). Now place the bead on top of the mounting/demounting tool, move the bead presser block away, press the rotation pedal and extract the first bead (fig.24).
- Bring the bottom bead up to the top edge of the rim; in some cases, even if the bead has already been broken, the bottom bead will remain in place because it has stuck to the rim. If this occurs, use the disc, inserting it between the bottom bead and the rim (fig.29), press the rotation pedal and lift (fig. 30-31).

Mounting

- Place the tyre on the rim and tilt the column forward, then fit the first bead.
- Place the top bead underneath the mounting/demounting tool, and at the same time place the bead presser roller and the bead presser block close to the mounting/demounting tool. Press the down lever until the rim clamping roller has descended below the top edge of the rim, press the rotation pedal and mount the tyre (fig.32).

You will now see that the rim presser roller holds the bead underneath the head of the mounting/demounting tool and the rim clamping block will follow the wheel as it rotates, keeping the bead inside the drop centre. This guarantees that the tyre is mounted correctly without the operator having to use his hands.

NOTE: stop rotation when the block is next to the mounting/demounting tool.

- Press the up lever and free the wheel from the roller and block.

MAINTENANCE



WARNING

MONDOLFO FERRO declines all liability for claims deriving from the use of non-original spares or accessories.



WARNING

Before making any adjustments or carrying out maintenance, disconnect the electrical supply from the machine and make sure that all moving parts are suitable immobilised.



WARNING

Do not remove or modify any parts of this machine except in the case of service interventions.



DANGER

Before carrying out any maintenance operation or topping up with lubricant, disconnect the machine from the compressed air supply line.



ATTENTION

Keep the work area clean.

Do not clean the machine with compressed air or jets of water.

When cleaning the area avoid raising dust as far as possible.

DEMOLITION

If the machine is to be scrapped, remove all electrical, electronic, plastic and metal parts and dispose of them separately in accordance with current provisions as prescribed by law.

ENVIRONMENTAL INFORMATION

The following disposal procedure shall be exclusively applied to the machines having the crossed-

out bin symbol



on their data plate.

This product may contain substances that can be hazardous to the environment or to human health if it is not disposed of properly.

We therefore provide you with the following information to prevent releases of these substances and to improve the use of natural resources.

Electrical and electronic equipment should never be disposed of in the usual municipal waste but must be separately collected for their proper treatment.

The crossed-out bin symbol, placed on the product and in this page, remind you of the need to properly dispose of the product at the end of its life.

In this way it is possible to prevent that a not specific treatment of the substances contained in these products, or their improper use, or improper use of their parts may be hazardous to the environment or to human health. Furthermore this helps to recover, recycle and reuse many of the

materials used in these products.

For this purpose the electrical and electronic equipment manufacturers and dealers set up proper collection and treatment systems for these products.

At the end of life of your product contact your dealer to have information on the collection arrangements.

When buying this new product your dealer will also inform you of the possibility to return free of charge another end of life equipment as long as it is of equivalent type and has fulfilled the same functions as the supplied equipment.

A disposal of the product different from what described above will be liable to the penalties prescribed by the national provisions in the country where the product is disposed of.

We also recommend you to adopt further measures for environment protection: recycle the internal and external packaging of the product and properly dispose of dead batteries (if contained in the product).

With your help the amount of natural resources used to produce electrical and electronic equipment can be reduced, the use of landfills for the disposal of the products, minimised, and the quality of life improved by preventing that potentially hazardous substances are released into the environment.

RECOMMENDED FIRE-EXTINGUISHING DEVICES

When choosing the most suitable fire extinguisher consult the following table:

	Dry combustibles	Inflammable liquids	Electrical fires
Water	YES	NO	NO
Fuam	YES	YES	NO
Dry chemical	YES*	YES	YES
CO ₂	YES*	YES	YES

YES*Use only if more appropriate extinguishers are not on hand and when the fire is small.



WARNING

The indications in this table are of a general nature. They are designed as a guideline for the user. The applications of each type of extinguisher will be illustrated fully by the respective manufacturers on request.

