



*Manuale d'uso  
Operator's manual  
Manuel d'utilisation  
Betriebsanleitung  
Manual de uso*



**SL 80A**

Code 4-407547 - 05/11

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**IMPORTANT !**

The instructions in this manual are therefore a supplement to the manual of the tyre changer, the information in which therefore continues to apply.

This manual only contains the additional instructions required for correct use of the SL 80A wheel lifting device.

## 1 - GENERAL INFORMATION



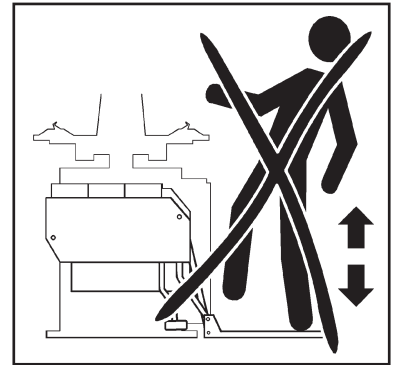
The SL 80A wheel lift has been designed as an optional for MONDOLFO tyre changers to facilitate wheel positioning from the floor to the turntable and vice-versa.

Any other use is improper, unreasonable and, therefore, not permissible.

**In particular, NEVER use the SL 80A to lift persons.**

Before any operation on or with this device, the contents of this Instruction Manual must be read carefully and thoroughly understood.

MONDOLFO Spa declines any and all injury to persons or damage to property caused by improper or unreasonable use of the device.



**N.B.:** The SL 80A lifter cannot be applied to Mondolfo tyre changers together with the side roller bed.

**KEEP THIS MANUAL IN A SAFE, EASILY ACCESSIBLE PLACE FOR FUTURE CONSULTATION.**

## 2 - TECHNICAL DATA

Operating pressure	8 - 10 bar
Maximum lifting capacity (at 10 bar)	80 kg
Weight of the device	30 kg
Acoustic pressure level in working position	LpA < 70 dB (A)

## 3 - GENERAL SAFETY REGULATIONS

The machine may only be used by authorised, skilled personnel.

In order to be classified as skilled, an operator must have understood the supplier's written instructions, attended a specific training course and be familiar with the work-place safety regulations.

Operators must not use drugs or alcohol which may impair their capabilities.

In general terms, they must be able to:

- read and understand descriptions;
- understand the machine's functions and characteristics;
- keep unauthorised persons well clear of the area of operations;
- make sure that the machine has been installed in compliance with all relevant standards and regulations;
- make sure that all operators are suitably trained, that they are capable of using the machine correctly and safely, and that they are adequately supervised during their work;
- take care not to touch electrical equipment and lines unless the machine has been disconnected.
- read this manual carefully and learn how to use the machine correctly and safely.
- keep this manual to hand and consult it if necessary.



**WARNING!**

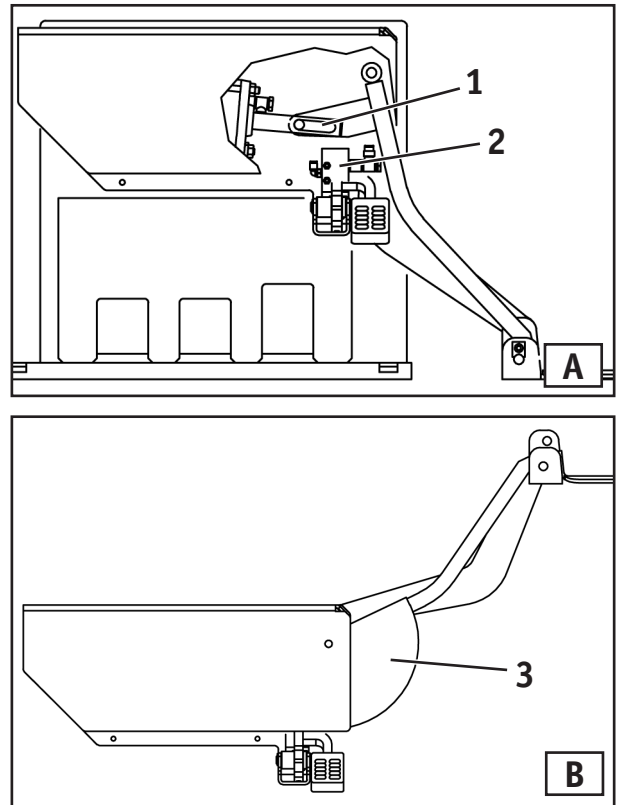
All changes or modifications to the machine relieve the producer from liability for any indirect damage. In particular, tampering with or removing safety devices constitutes a serious breach of work-place safety regulations.

## 4 - SAFETY DEVICES

- **A slot (1, Fig. A)** on the lift cylinder rod allows partial free travel in its retract movement close to the ground to prevent the operator's foot being crushed between platform and floor.

- **A sectional casing (3, fig. B)** on the lift arm protects against the shear point between moving arm and fixed lift structure.

- **The control valve (2, fig. A)** is designed so that if the control pedal is released, the platform automatically returns to the floor level and thus prevents the device from being left in dangerous positions.

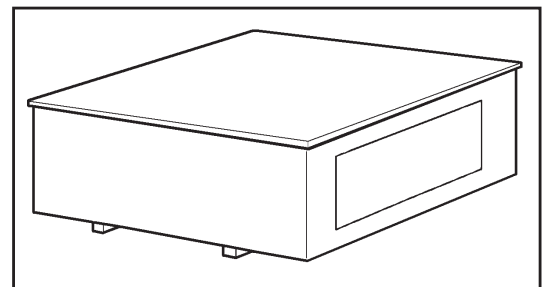


**CAUTION!**  
 Removing or tampering with safeties is in violation of European Safety Regulations and relieves manufacturer of any and all liability for injury to persons to damage to things caused or referable to such acts.

## 5 - UNPACKING

The SL 80A is delivered in a 550x550x250 mm wooden box.  
 The shipping weight is 36 kg.  
 Once the machine has been unpacked, check to make use all its parts are present and that there are no visible signs of damage.  
 Do not leave the packing materials where they can be reached by children as they are potential sources of danger.

**NB:** Save the packing materials so that the unit can be moved elsewhere after purchase.



## 6 - INSTALLATION

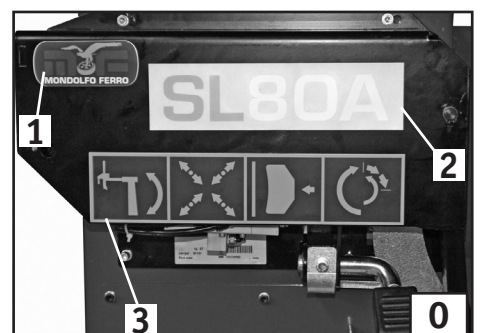
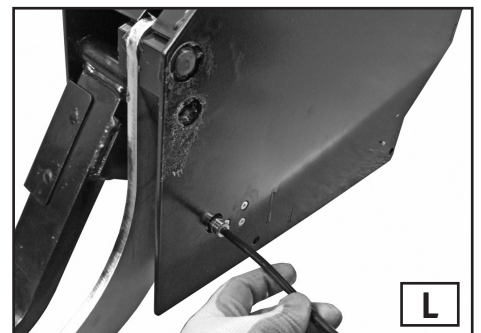
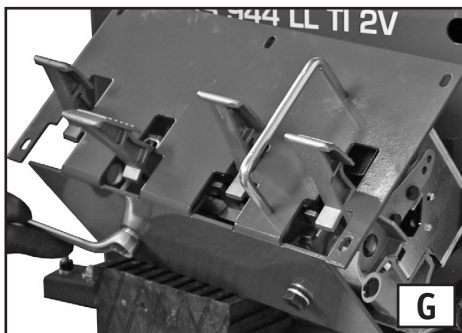
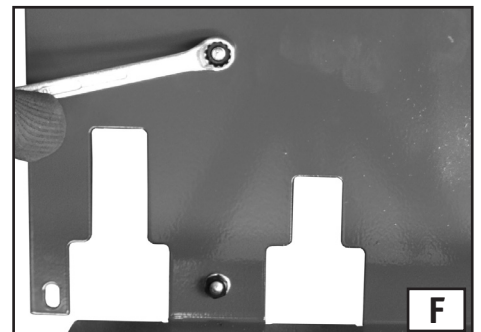
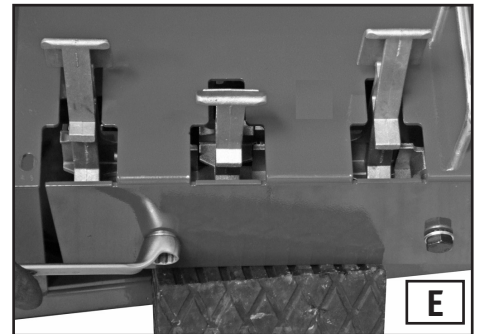
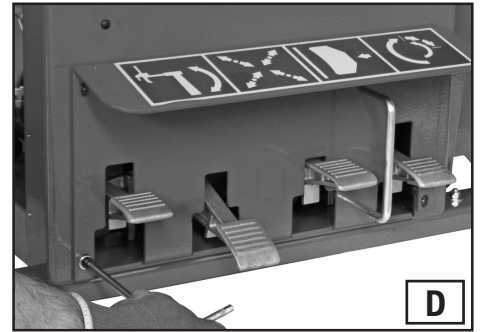


**WARNING!**  
 The SL 80A must be installed exclusively by professionally expert personnel.

**NB:** Before any installation work, check to make sure that the tyre changer is disconnected from all supply sources.  
 Also check to make sure that the tyre changer has been anchored to the floor with adequate expansion bolts to eliminate the risk of its tipping over.

## 6.1 FASTENING THE LIFTER

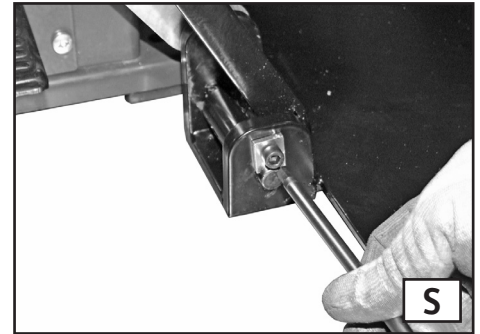
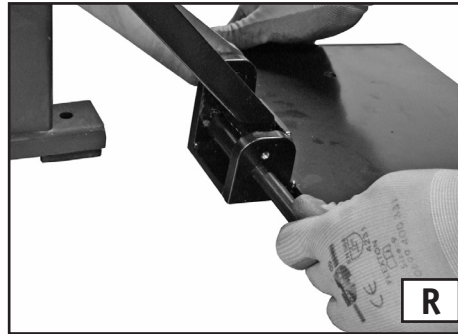
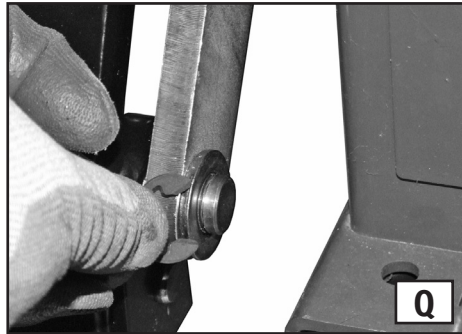
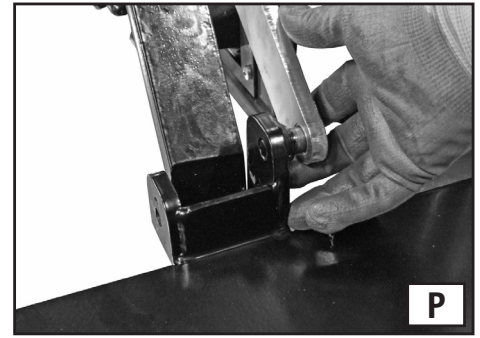
1. With a 5 mm Allen wrench, remove the left side panel of the tyre changer.
2. Disconnect the pneumatic supply pipe from the lubricator (see Fig. C).
3. With a 5 mm Allen wrench, undo the 5 screws that are fixing the pedal guard (see Fig. D) and remove the pedal unit.
4. Lift the pedal unit and, with a 17 mm fixed jaw spanner, remove the 2 screws that are fixing the pedal unit guard (see Fig. E).
5. With the aid of a 10 mm fixed jaw spanner, undo the 2 screws that are fixing the pedal separator (see Fig. F).
6. Reassemble the pedal separator on the new pedal unit guard (supplied with the lifter). Fix the guard on the pedal unit (see Fig. G) using the two screws removed previously.
7. Put the pedal unit back in place and reconnect the pneumatic supply pipe to the lubricator. Fix the pedal unit with the 5 screws removed previously (see Fig. H).
8. Remove the 4 caps covering the holes for fixing the lift and the cap covering the hole through which the pneumatic pipe goes.
9. Connect the 6-4 diameter, 800 mm long pipe, supplied with the lifter, to the quick coupling on the back of the lifter (see Fig. L).
10. Insert the other end of the pipe through the hole at the front of the tyre changer.
11. Fix the lifter to the tyre changer, tightening the 2 M 6x16 screws (supplied) in the two top threaded holes. Use the other 2 screws with washer and nut to fix the lift in the 2 bottom holes (see Fig. M).
12. Snap fit the 3 holder trays into the holes at the top of the lifter (see Fig. N).
13. Apply the following on the front of the lifter:
  - decal with the Mondolfo logo (1, Fig. O)
  - decal giving the tyre changer model (2, Fig. O)
  - decal with the pedal unit controls (3, Fig. O).





## 6.2 INSTALLING THE PLATFORM

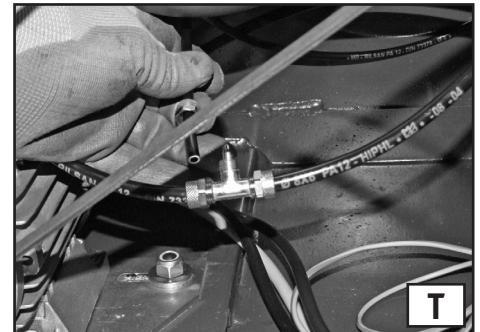
1. Fit the anti-rotation rod onto the pin fixed to the platform (see Fig. P).  
Fasten the components with a washer and a 12 mm diam. circlip (see Fig. Q).
2. Connect the platform to the lifter arm with the 10 mm diam. pivot pin (see Fig. R), fastening with the anti-rotation plate and the VCEI M6X12 screw supplied (see Fig. S).



## 6.3 COMPRESSED AIR HOOK UP

**NB:** Before any installation work, check to make sure that the tyre changer is disconnected from all electric and pneumatic supply sources.

1. Identify the compressed air line leading from the filter-regulator to the tyre changer pedal unit.  
Cut this line cleanly with a cutter or other suitable tool at a convenient point inside the casing.
2. Install the 8-6/8-6/6-4 T-union to restore the compressed air supply cut in the previous step, and have another compressed air connector ready to fit onto the union.
3. Connect the 6-4 diam. 800 mm long pipe leading from the SL 80A lifter to the union installed in the previous step (see Fig. T).
4. Restore the power connections to the tyre changer and check lifter operation, checking also for air leaks.
5. Refit the left hand side panel.



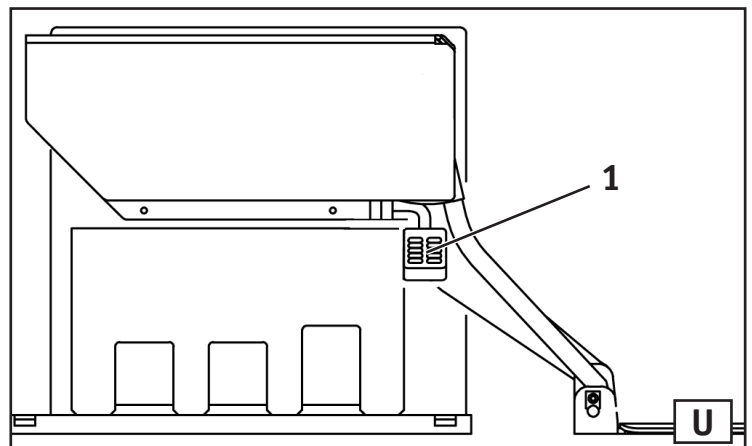
## 7 - CONTROLS

The SL 80A tyre lift has a single control pedal (1, Fig. U) used to operate the lift and to lower the tyre platform.

- Pressing the pedal raises the platform and stop it at its highest position.
- Pressing the pedal again lowers the platform completely to the ground.



**WARNING!**  
The pedal must only be used by the person operating the tyre changer.



## 8 - OPERATION

The SL 80A has been designed to facilitate movement of tyres from the floor to the turntable and vice-versa.

### Positioning the wheel:

1. Place the wheel vertically on the platform.
2. Press the pedal (1, Fig. 0) to raise the platform. Hold the wheel with one hand as the platform moves so that the wheel is always balanced.
3. Place the wheel on the turntable.
4. Press the pedal again to return the lifter platform to its rest position.

### Removing the wheel:

1. Unclamp the wheel from the turntable grippers.
2. Press the pedal to raise the platform.
3. Place the wheel vertically on the platform.
4. Press the pedal again to lower the wheel to the ground, holding the wheel with one hand to keep it steady throughout the entire descent.

## 9 - TROUBLESHOOTING

### PROBLEM

When the pedal is pressed, the lift platform does not move.

### CAUSES

- 1) The compressed air supply does not reach the tyre changer or is insufficient.
- 2) Compressed air does not reach the lift cylinder.

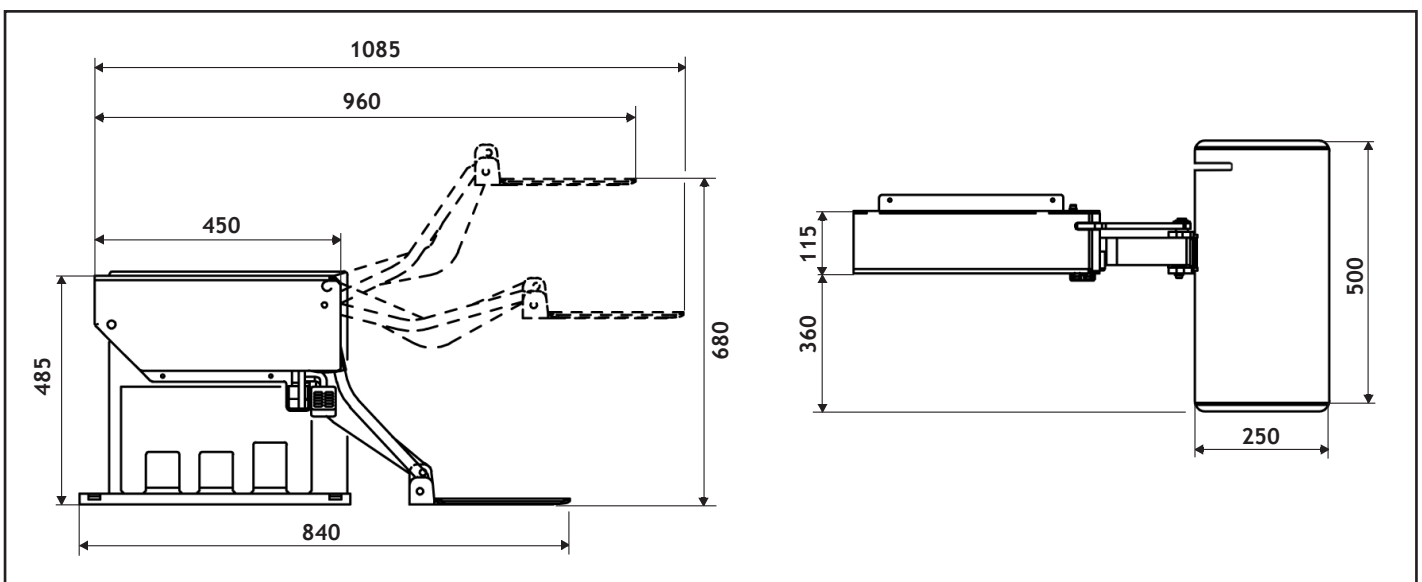
### REMEDIES

- 1) Insert the compressed air supply hose correctly and check if the pressure is sufficient.
- 2) Check if the SL 80A air hoses are clogged or accidentally crimped.



**WARNING!** If the suggestions detailed above do not bring the device back to good functional performance or if the problem is other than those listed above, **DO NOT** use the machine and contact your nearest MONDOLFO Technical Assistance Centre.

## 10 - OVERALL DIMENSIONS













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**MONDOLFO FERRO S.p.a.**  
Viale dell'industria, 20 - 61037 MONDOLFO (PU) Italy  
info@mondolfoferro.it  
[www.mondolfoferro.it](http://www.mondolfoferro.it)