



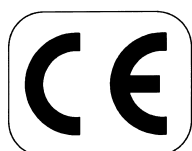
Operating Instructions

Furrow Press

FixPack

with hydraulic frame swing-in assy.

- EN -



Safety is our concern!

Part No. 175 3828

EN-1/06.04

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Dear customer!

We would like to thank you for the confidence in buying this implement.

The advantages of this implement will be shown, only, when operated and used with due care and attention.

When handing over this implement your dealer has already instructed you with regard to operation, adjustment and maintenance. But this short introduction requires an additional detailed study of the instruction book.

Therefore read this instruction book carefully before the first use. Please pay attention to the safety instructions mentioned in this instruction book.

Any changes and modifications carried out not being mentioned expressly in this instruction book, may only be carried out with a written agreement of the manufacturer.

Ordering spare-parts

When ordering spare-parts please state type and serial No. of the implement. This information will be found on the identification plate.

Put down this data on the following table so that it is always available.

Type of implement:
No.:

Only use genuine Lemken spare-parts. Spurious parts negatively influence the function of the implement, show a shorter lifetime and increase in nearly all cases additional maintenance.

We trust that you will understand that LEMKEN unable to guarantee poor operation and damage caused by using spurious parts!

DEFINED USE



- Please familiarise yourself with the LEMKEN FixPack and its operations before putting the implement to work. Therefore use this instruction book with the „General Health- and Safety precautions“!
- The LEMKEN FixPack has been designed purely for the agricultural use! Any use beyond the one stipulated above is no longer considered as defined use! Under „defined use“ the manufacturer's prescribed operation-, maintenance- and repair conditions are to be adhered to!
- The LEMKEN FixPack may only be operated, maintained and repaired by such persons who have been made acquainted with it and who have been advised about the dangers!
- The applicable accident prevention advice as well as the generally accepted safety technical, working, medical and road traffic rules should be adhered to!

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1 SAFETY INSTRUCTIONS



General Safety Instructions

- Before using the machine, always check both it and the tractor for roadworthiness and operational safety!
- As well as the notes in these instructions the operator is advised to comply with the generally applicable safety at work regulations and those relating to use of the public highway!
- The implement may only be operated, maintained and repaired by such persons who have been made acquainted with it and who have been advised about the dangers!
- When driving on public roads with a raised machine the lifting control lever should be locked against unintentional lowering!
- The fitted warning and advisory plates give important information for safe operation; adhering to these increases your own security!
- When using public roads adhere to applicable traffic rules!
- The operator should familiarise him-/herself with all controls and their functions before starting work. During work could be too late!
- The clothing of the operator should fit tight. Avoid wearing any loose clothing!
- To avoid danger of fire keep the implement clean!
- Before beginning to drive check surroundings area (children)!
- Sitting or standing on the implement during operation or during transport is not permissible.
- Attach implements as advised and only to the stipulated positions!
- Special care should be taken when the implement is coupled to or uncoupled from the tractor.
- When coupling or uncoupling the implement bring the supporting stands into the corresponding position (standing safety)!
- Fit weights only to the fixing points provided for that purposes!
- Adhere to the maximum permissible axle loads, total weights and transport width!

- Fit and check transport gear, road lights and warning guards!
- The release ropes for quick coupler latches should hang freely and in the lowered position must not release the quick coupling by themselves.
- Never leave the driver's seat whilst in motion!
- Handling behaviour, steerability and braking are influenced by mounted implements, trailers and ballast weights. Check for sufficient steerability and braking!
- When driving round bends note the width of the machine and/or changing centre of gravity of the implement.
- Put implement into operation only when all guards are fixed in position!
- Never stay or allow anyone to stay within the operating area!
- Never stay in the turning and slew area of the implement!
- Do not operate any hydraulic controls while anybody is in the operating area!
- On all pivoting parts actuated by power assistance (e.g. hydraulics) exists danger of injury by bruising and crushing!
- Before leaving the tractor lower the machine to the ground. Apply the parking brake, stop the engine and remove the ignition key!
- Do not allow anybody between the tractor and implement if the parking brakes are not applied!

Hydraulic equipment

- The hydraulic pipes are under pressure.
- When connecting hydraulic services, the pipes must be connected as directed.
- When connecting hydraulic pipes to the tractor ensure that incorrect use is avoided. If the connections are reversed, the opposite function is carried out (e.g. raising/lowering) and there is a risk of accidents!
- Regularly check the hydraulic pipes and replace them in the event of damage or signs of ageing. The replacement pipes must comply with the technical specification as laid down by Lemken.

- Hydraulic oil escaping at high pressure can penetrate the skin and cause serious injury!
- Before working on any hydraulic equipment - lower all implements/attachments, release hydraulic pressure where possible and switch off the tractor engine.

Maintenance

- Repair-, maintenance- and cleaning operations as well as adjustments and remedy of function faults should principally be conducted with engine stopped and brakes applied. Remove ignition key!
- Check and tighten nuts and bolts regularly!
- When conducting maintenance work on a lifted implement always place suitable supports underneath!
- For replacing any tools with cutting edges always use suitable tools and gloves!
- Dispose of old oils, grease and filters as prescribed by law.
- Before working on the electric gear disconnect battery cables!
- When conducting electrical welding operations on the tractor or on the mounted implement remove cable from the generator and the battery!
- Any spare parts fitted must meet with the implement manufacturer's fixed technical standards! This is for example ensured by using genuine spare parts!

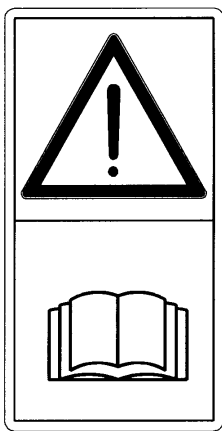
2 WARNING STICKERS

2.1 General Instructions

The LEMKEN FixPack is equipped with all features to ensure safe operation. Where potential danger areas of the implement can not be fully safeguarded, warning stickers are fitted which draw attention to these.

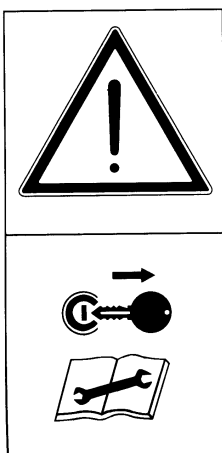
2.2 Meaning of the stickers

Familiarise with the meaning of the stickers. The following descriptions inform about them in detail.



WARNING: Read and adhere to this Instruction book and these "General Health- and Safety precautions", before putting the implement to work!

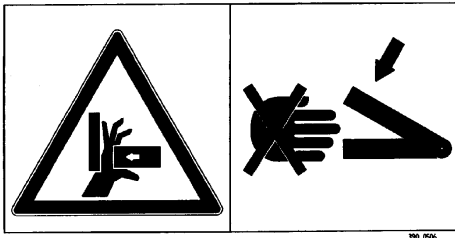
390 0555



390 0509

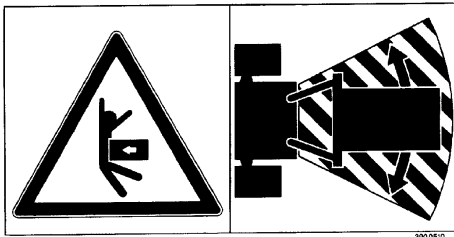
WARNING: Shut off engine and remove key before performing maintenance or repair work!

390 0509



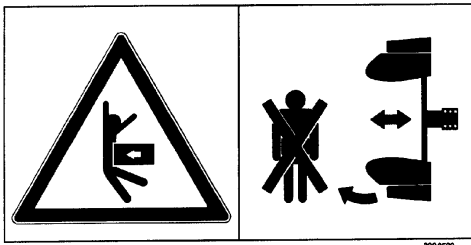
WARNING: Pinch Point!

390 0506



WARNING: Keep well clear of the working and swinging area of the implement!

390 0510



WARNING: Keep well clear of the turning and swinging area of the implement!

390 0520

3 ATTACHMENT OF THE FIXPACK PRESS

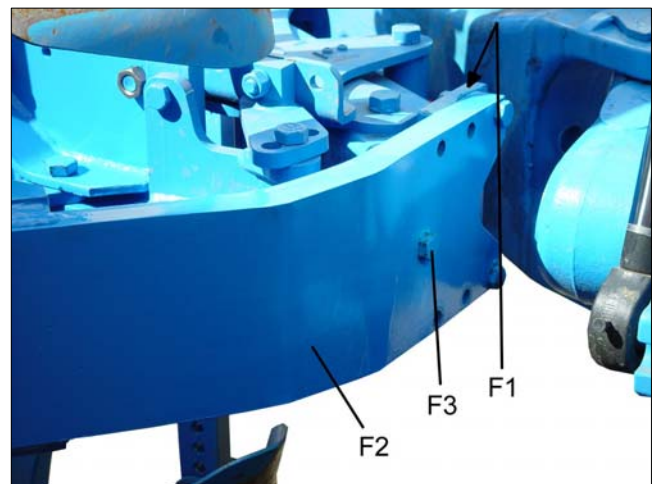
The FixPack can be fitted to the following LEMKEN mounted reversible ploughs, which are equipped with a suitable flange plate (F1).

max. allowed number of furrows	EuroPlough 5 and VariPlough 5	EuroPlough 6 to 9 and VariPlough 6 to 9
4-furrows	x	
5-furrows		x

The attachment may only be done when the plough is fitted to the tractor and parked on level and firm ground.

3.1 Fittment of the bracket

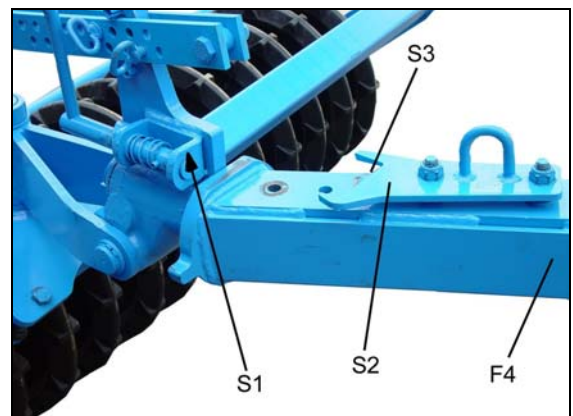
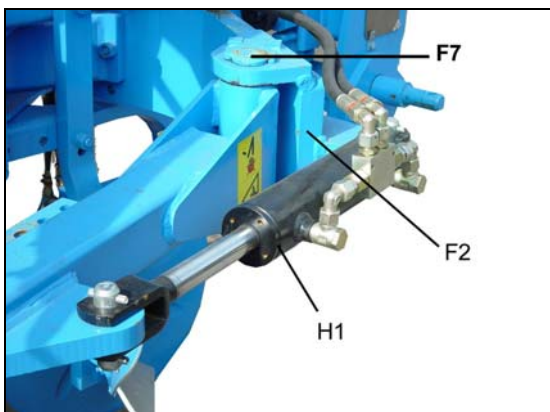
The bracket (F2) will be fitted in front to the flange plate (F1) of the plough frame. Before screwing on the nuts 'Loctite' must be applied on the thread of the nuts (F3). After that the nuts must be tightened with 260 Nm.



3.2 Fittment of the arm to the bracket (if not yet attached)

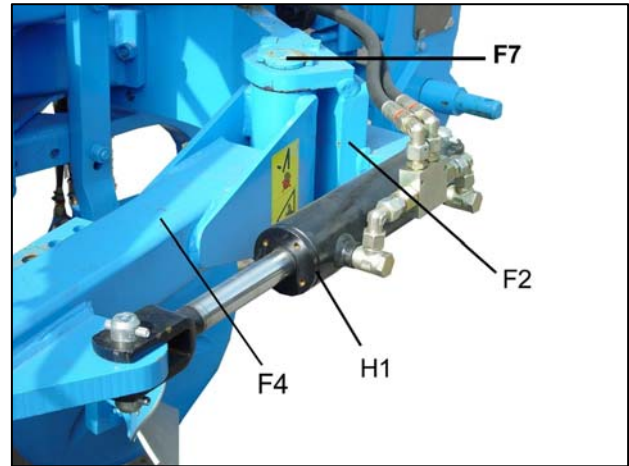
The arm (F4) is already fitted to the adjustment device (S1). The adjustment device is secured against turning during mounting by means of the lock (S2). Then the lock is fitted so far in the rear that parts of the adjustment device are locked with the fork (S3).

The arm (F4) will be fitted to the bracket (F2) by means of the pin (F7). Secure pin (F7).



3.3 Fitting of the hydraulic ram

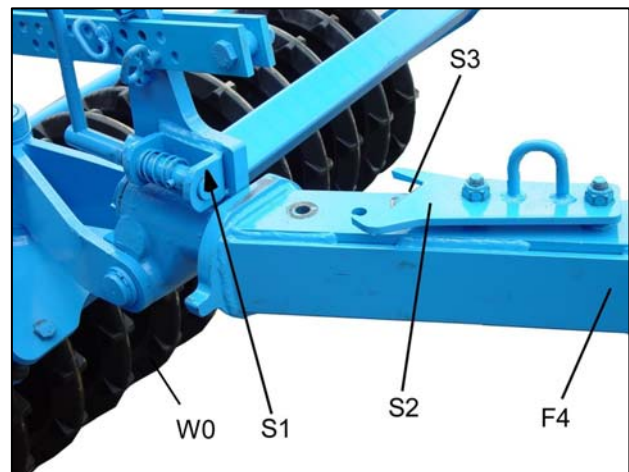
The hydraulic ram (H1) will be fitted to the arm (F4) and the bracket (F2) as shown on the picture.



3.4 Fitting of the roller

The frame tube of the roller (W0) will be fitted at the rear to the bracket of the adjustment device (S1).

Attention: Finally the lock (S2) must be dismantled or as shown fitted in a more forward position to the arm (F4).



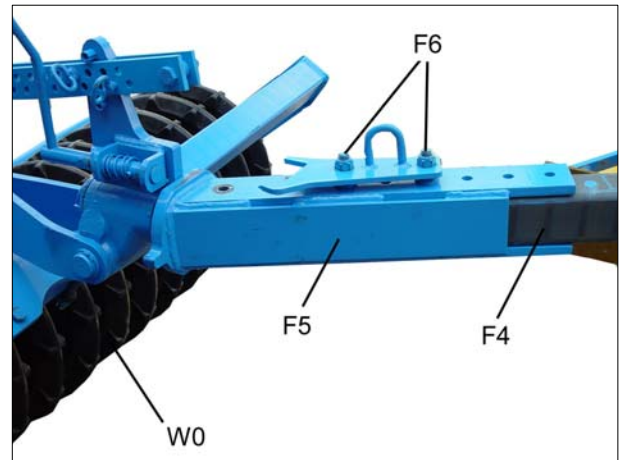
- Read and adhere to the 'General Safety Instructions' as well as to the Instructions 'Maintenance'!

4 ADJUSTMENTS

4.1 Length adjustment of the arm

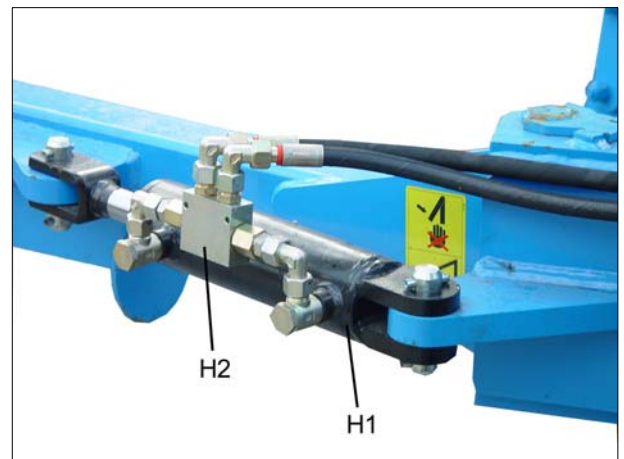
The length of the arm (F4) will be adjusted so that the roller (W0) runs always between the second and third body. If necessary displace the carrier (F5) on the arm (F4) as required. After that the bolts (F6) must be tightened carefully.

Attention: The length adjustment may only be done with the plough attached to the tractor!



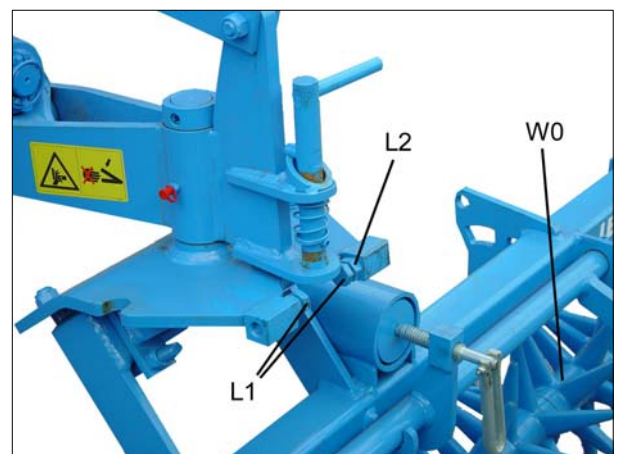
4.2 Distance between FixPack and plough

The distance will be adjusted by means of the hydraulic ram (H1). It has to be adjusted so that roller (W0) cannot touch the plough bodies during work or during the turnover operation. The lock valve (H2) ensures that the adjusted distance will not change unintended.



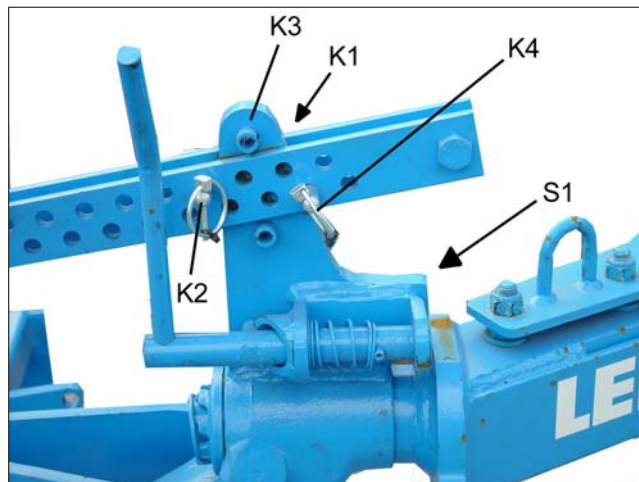
4.3 Running direction of the roller

During work the roller (W0) must always run in working direction. Vice versa the pivoting range of the roller must be limited so that the roller is guided during the turnover operation and doesn't touch the bodies of the plough. The running direction will be adjusted by means of the setscrews (L1) after slackening the conternuts (L2). After the adjustment the conternuts (L2) must be tightened again.



4.4 Reconsolidation and crumbling effect of the roller

By means of the pin adjustment (K1) the crumbling effect of the roller can be adjusted. Use pin (K2) which is positioned behind the guiding stop (K3), to adjust the reconsolidation effect. Use pin (K4) which is positioned in front of the guiding stop (K3) to limit the lowering movement of the roller in relation to the arm. The front bores have to be used, when more



reconsolidation or crumbling effect resp. a shallower working depth of the plough is required. The rear holes have to be used, when a reduced reconsolidation or crumbling effect resp. a deeper working depth of the plough is required.

In order to ensure always sufficient clearance between FixPack and plough during the turnover operation the front pin (K4) must be fitted as far as possible in the rear in front of the guiding stop (K3).

Warning: A changing of the working depth requires also a re-adjustment of the adjustment device (S1) of the integrated packer FixPack!



- Read and adhere to the 'General Safety Instructions' as well as to the Instructions 'Maintenance'!

5 ROLLERS

The FixPack is available with Ø 270 mm flat bar roller with cutting bar, Ø 330 mm tube bar roller with cutting bar, Ø 500 mm synthetic roller with scraper or Ø 330 mm star roller with cutting bar.



Synthetic roller with scraper

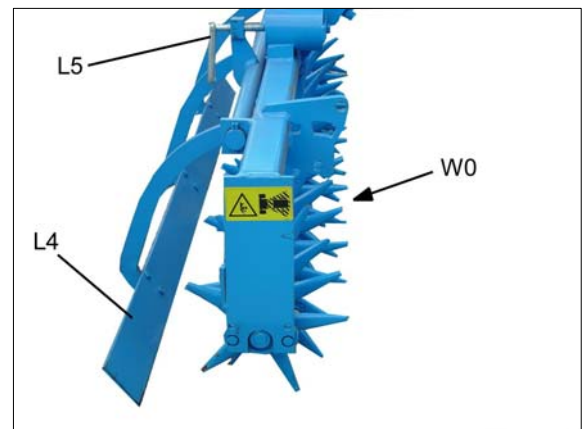


Star roller with cutting bar

5.1 Cutting bar

The crumbling effect of the roller (W0) will be improved by means of the cutting bar (L4). The cutting bar moves soil into the roller, due to that the soil will be crumbled and mixed more intensively.

With the adjuster screw (L5) the volume of soil which will be moved into the roller will be controlled.



More volume of soil

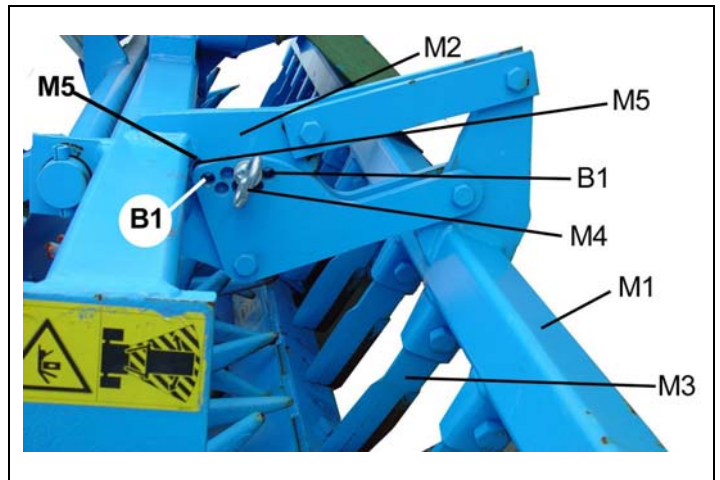
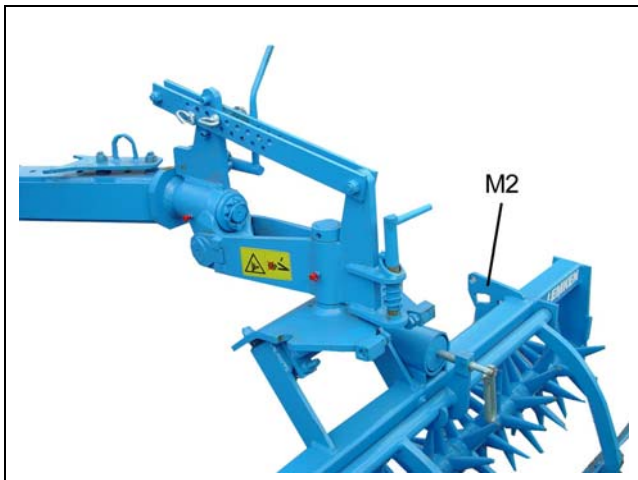
-> Turn adjuster screw (L5) clockwise

Less volume of soil

-> Turn adjuster screw (L5) anti-clockwise

5.2 Knife bar for star roller

The knife bar (M1) will be fitted to the front carrier plates (M2) of the star roller.



The working depth of the knives (M3) will be adjusted by means of the pins (M4).

If it is required to work without knife bar, the bar must be lifted completely and fixed in this position. Therefore the pins (M4) will be positioned through the bores (B1) and the recess (M5) of the carrier plates (M2) and secured.

6 PLOUGHING THE FIRST FURROW

Depending on ploughing the first furrow in the area of hedges, fences or other obstacles or for example in the area of ditches, it may be necessary to swing-in the FixPack.

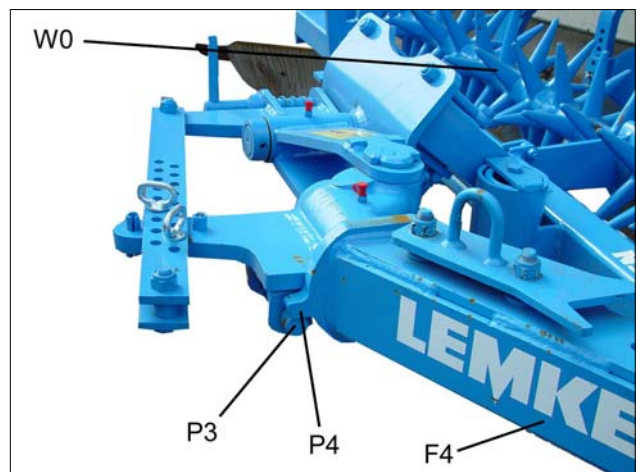
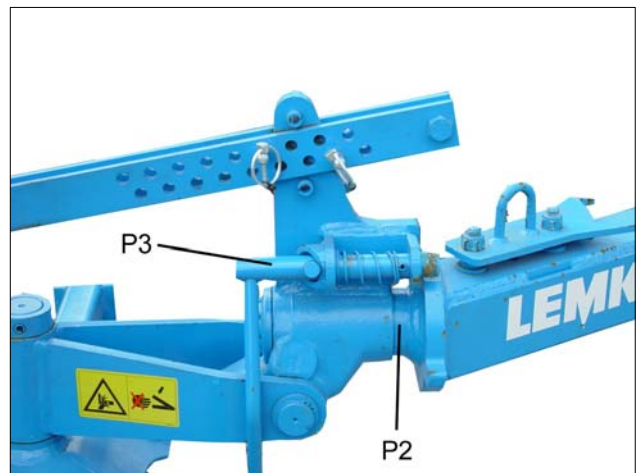
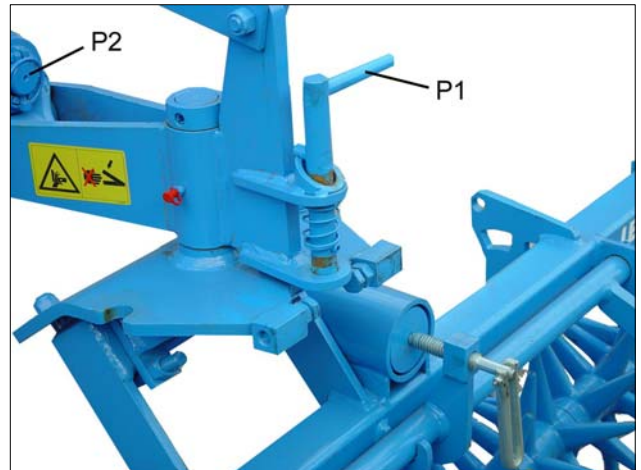
If the FixPack must be swung in for the first furrow, the first furrow must be ploughed right handed.

If the first furrow must be ploughed in the area of hedges, fences or other obstacles the roller and the arm must be swung in.

This will be done as follows:

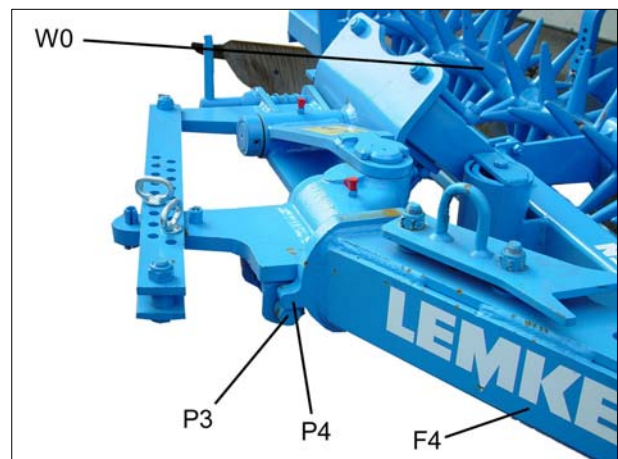
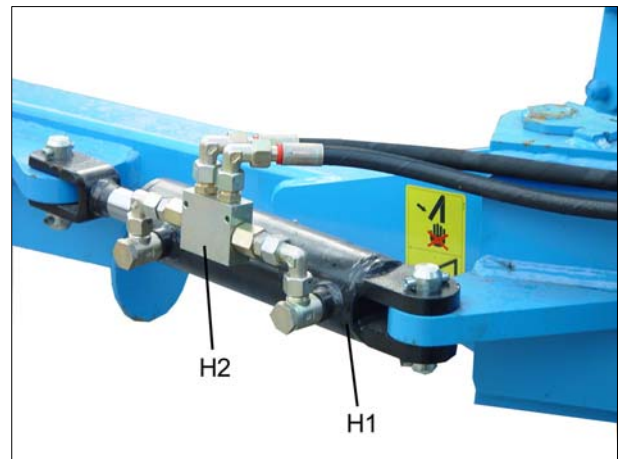
- Turn plough frame to **left handed** working position.
- Now the locking pin (P1) will be unlocked and the roller swung in by 90°. Initially the outer end of the roller will be swung to the front in the direction to the plough.
- Lock locking pin (P1) again. Check whether the locking pin (P1) is locked correctly.
- After that lock axle (P2) by means of locking pin (P3).
- Turn plough frame in right handed working position.
- Now the stop (P4) is touching to the locking pin (P3). The FixPack is now in a swung-in position.

Attention: In this position (right handed position) the locking pin (P3) may never be unlocked!



- Swing-in the roller by means of a hydraulic ram (H1).
- Now the first furrow can be ploughed.

Attention: The roller (W0) of the integrated packer FixPack is now positioned in a „swung-in“ position. In this position the locking pin (P3) may never be unlocked, as the centre of gravity is raised. The locking pin (P3) may only be operated if the roller is hanging free i.e. can swing. This is only possible in left handed ploughing position.



After the first furrow has been ploughed, the arm (F4) has to be swung-out again, the plough turned into left handed working position, the roller swung into working position and the locking pin (P3) unlocked.



- Read and adhere to the ‘General Safety Instructions’ as well as to the Instructions ‘Maintenance’!
- Never unlock the locking pin (P3) when the plough is in right handed working position and the FixPack is in swung-in

position!

7 TRANSPORT ON PUBLIC ROADS

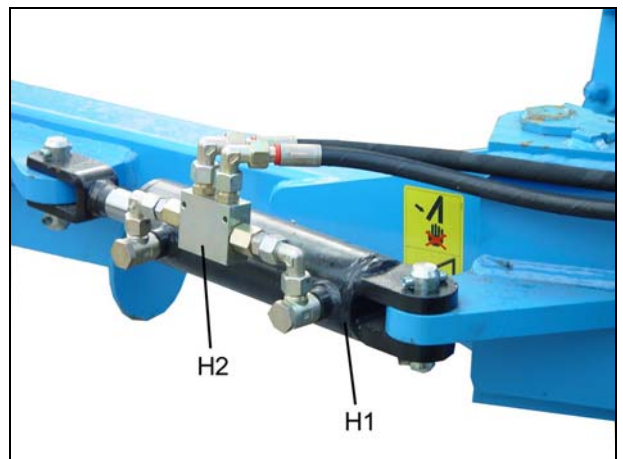
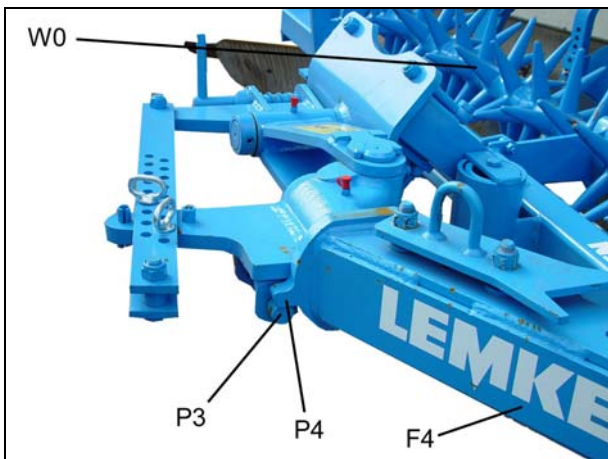
7.1 Transport in half-turned position with depth- and transport wheel

- Lock the locking pin of the turnover device.
- Convert depth- and transport wheel to transport position.
- Turn plough frame into half-turned position.
- Lower plough and detach the top link from the plough.
- See also instruction book of the plough.

The FixPack is positioned above the plough and can be transported without any conversion work. The allowed transport height for driving on public roads must be adhered to and may not be exceeded.

7.2 Transport in working position

- Turn the roller (W0) by 90° and lock it in this position.
- Swing-in the arm (F4) by means of the hydraulic ram (H1),



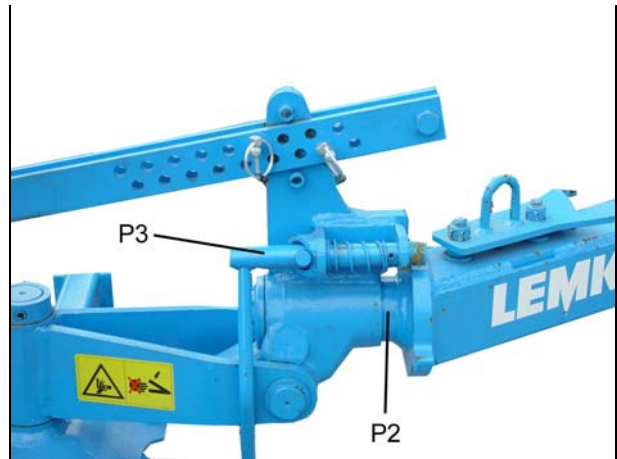
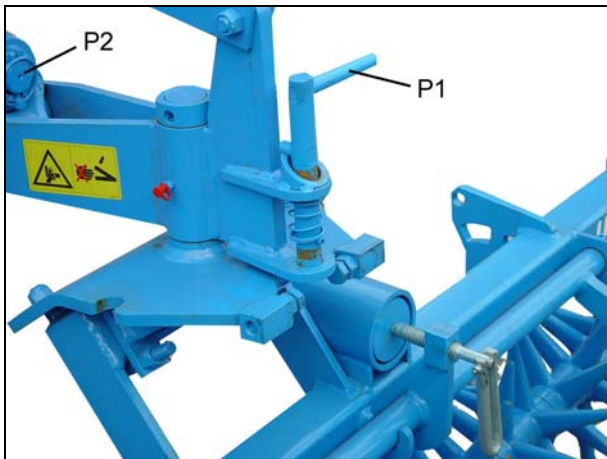
Pay attention to the roller so that it will not touch the plough bodies.

If the roller projects the tractor laterally too much, the roller must be brought into the fully swung-in position.

Therefore the plough will be turned in left handed working position, the roller turned by 90° and locked, the axle (P2) locked, the locking pin (P3) locked and the plough turned in right handed working position. After that swing-in the arm (F4) as far as possible to the plough and lock it. See also section „Ploughing the first furrow”.



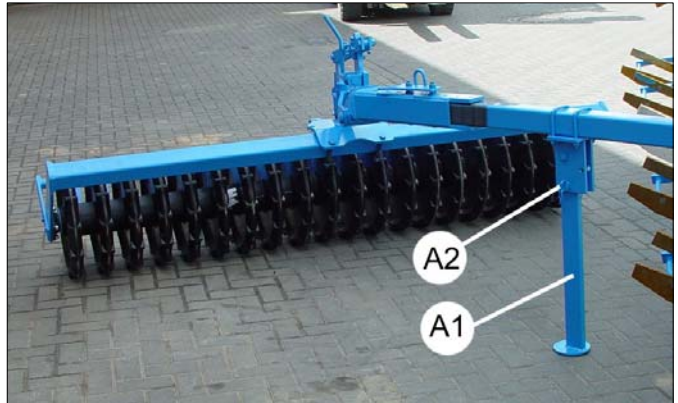
- Never unlock pin (P3), if the roller (W0) is positioned in „swung-in“ position!
- Pay attention to sufficient manoeuvrability of the tractor!
- When driving on public roads with lifted implement the operation lever must be locked against lowering!



8 PARKING THE PLOUGH WITH ATTACHED FIXPACK

The plough with attached FixPack may only be parked on level and firm ground.

Before detaching the plough, the stand (A1) must be swung-down and secured by means of the pin (A2).



Attention: The FixPack may only be attached to the plough or detached from the plough, when the plough is attached to the tractor. The plough may not be detached from the tractor, when the FixPack is positioned in swung-in position. Before next turning operation, the stand must be swung upwards and secured.

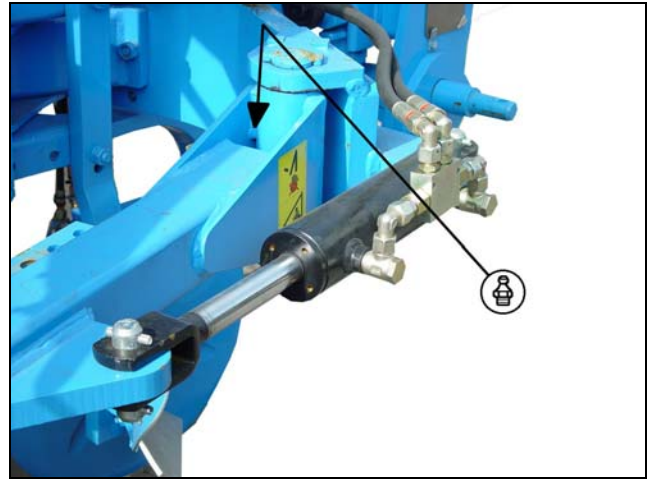
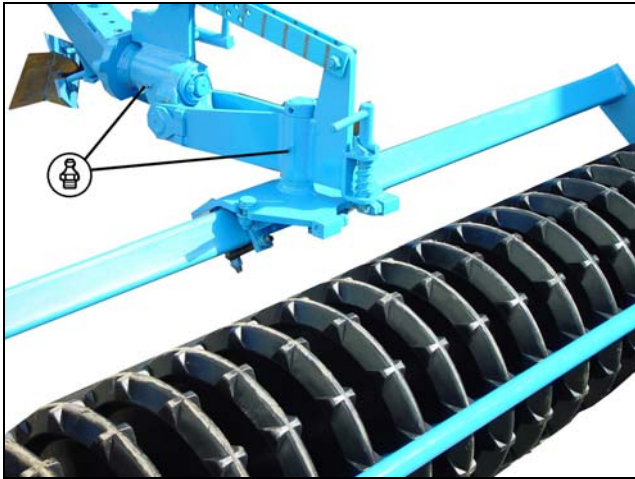


- Read and adhere to the 'General Safety Instructions'!

9 MAINTENANCE

All greasing points must be greased first after 5 working hours and then every 20 working hours.

The guiding of the locking pins must be greased regularly, in order to ensure their function.



Important: Do not clean this implement with a Pressure Washer during the first 6 weeks. After this time a minimum nozzle distance of 60 cm must be observed with a maximum 100 bar pressure and 50° C temperature.



- Read and adhere to the 'General Safety Instructions' and the instructions 'Maintenance'!

10 WEIGHTS

Type	Description	Working width apprx. cm	Weight apprx. kg
FixPack F 150	with flat bar roller Ø 270 mm and cutting bar	150	267
FixPack F 200		200	277
FixPack F 250		250	295
FixPack R 150	with tube bar roller Ø 330 mm and cutting bar	150	282
FixPack R 200		200	297
FixPack R 250		250	315
FixPack K 200	with synthetic roller Ø 500 mm with scraper	200	376
FixPack K 250		250	417
FixPack S 200	with star roller Ø 330 mm and cutting bar	200	327
FixPack S 250		250	349

11 NOISE, AIRBORNE SOUND

The noise level of the integrated packer FixPack does not exceed 70 dB (A) during work.

12 DISPOSAL

After useful life of the implement, it must be disposed of environment-friendly by a specialist.

13 NOTES

As the version of equipment is depending from the order, the equipment of your implement and its description concerned may deviate in some cases. To ensure a continuously updating of the technical features, we reserve the right to modify the design, equipment and technique.