



John Berends Implements Pty Ltd

AGRICULTURAL ENGINEERS

OPERATOR'S MANUAL PARTS LIST



Front End Loader Attachments

PROD NO.

0298 & 0281
0299 & 0280
0283 & 0282

Front End Loader Pallet Forks
Front End Loader Silage Forks – 1250mm
Front End Loader Combination Fork

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SAFETY



Farm machinery is dangerous if operated incorrectly so please read this manual in its entirety prior to operating the machine.

 No operator, however experienced in farm machinery operation, should attempt to use any machine they have not been competently trained to use. Your local Department of Agriculture can help you with training, as can most Occupational Health and Safety offices, Agricultural schools and colleges and farm equipment dealerships.

 All instructions relating to tractor safety as per the tractor operators manual should be followed. When making any machine adjustments, stop the tractor engine first and wait for all moving parts to stop. Maintain the tractor to ensure it remains safe to use. Do not operate faulty or damaged equipment.

 Extreme caution should be taken when fitting equipment to the tractor's three point linkage. Avoid standing between the implement and the tractor when coupling machinery.

 All machines should be mounted and retained correctly. All guards must be kept in place and correctly maintained. P.T.O. shafts must be correctly attached and secured to both the tractor and the machine. Decals must be visible and legible at all times. Keep well clear of all moving parts.

 Keep all people and animals at a safe distance from all moving parts. Children must not be allowed to operate this equipment and all passengers must have the same level of protection as the operator.

 Wear protective clothing where appropriate.

 Never operate when tired (not alert) or in poorly lit areas and stay alert for humps and other hidden hazards. Remove all timber, rocks and foreign objects prior to operation.

 Avoid operating the machine in wet conditions.

 Exercise extreme caution when changing direction on hills. Avoid sudden movement, sudden breaking, high speeds, rough terrain and steep slopes.

 If machine starts to vibrate, stop tractor, turn off engine and investigate.

 After striking a foreign object or if there are doubts about the performance of the machine, stop the tractor as described and check if machine is making excessive noise.

 Extreme caution must be taken when working in public areas (roadsides etc). It is recommended that flaps and chains are fitted to slashers when operating in public areas. These are available as optional extras. Rear flaps are compulsory in public areas.

 Watch overhead clearance and beware of underground pipes and cables.

 Where fitted, hydraulic hoses and fittings must be maintained so as to prevent damage.

 Do not modify this equipment in anyway, or use it for any other purpose than it was designed to do.

 Never work under unsupported machines or adjust unsupported machines. Do not enter the danger zone where a load being carried by a machine could fall on you, for example a round bale from a bale fork, a log from a carryall or material from a rear end loader.

These instructions should be used in conjunction with any local regulations regarding safety ie OHS.

Maintenance is essential for safe operation. Ensure maintenance is carried out regularly by people qualified to do so. This is of particular importance on P.T.O. drive machines where driven parts can fly off at high speed if wearing parts are not properly maintained.

FAILURE TO FOLLOW THESE INSTRUCTIONS AND PROCEDURES MAY RESULT IN EQUIPMENT MALFUNCTION, OR DAMAGE, SERIOUS INJURY OR EVEN DEATH.

INTRODUCTION:

This manual was developed specifically for the machine you have purchased. The information within is to assist you in preparing, operating and maintaining your machine. Please read and understand the contents of the manual completely before attempting to operate your machine, paying special attention to all safety details. With our policy of continuous improvement, products and specifications may change without notice and without incurring the obligation to install such changes on any unit previously delivered.

Front End Loader (FEL) Attachments

The FEL silage forks are fitted with high tensile Conus II tines bolted into a tapered sleeve whilst the pallet forks are fitted with two 100 x 50 tubular tines. They are capable of lifting over 1000kg evenly loaded. The frame width is 1120mm and the frame height is 960mm. They have been designed to suit the Eurohitch (Global) system however slight variations are known to occur within various brands of loaders so some modification may be necessary for correct fitting.

MACHINE SPECIFICATIONS

Model	Silage Forks (0299/0281)	Pallet Forks (0298/0280)	Combination Forks (0283/0282)
Tine Length	1100mm	1100mm	1100mm
Lifting Capacity @ 600mm load centres	1100kg	1100kg	1100kg
Loader connection	Eurohitch or Kubota Bob attach	Eurohitch or Kubota Bob attach	Eurohitch or Kubota Bob attach
Nett weight	88kg	140kg	165kg

WARRANTY

John Berends Implements P/L warrants each new product sold to be free from defects in material and workmanship, under normal use and service, as outlined in the operators manual, for a period of 12 months.

This warranty is void if any damage to the machine has been caused by misuse or non genuine parts have been used or any repairs have been made by any persons other than authorised dealer service personnel.

The manufacturer/dealer is not obligated to any transportation charges incurred in the repair or replacement of parts.

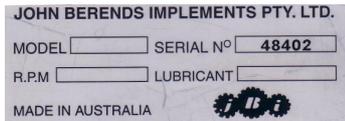
This warranty does not exclude any condition or warranty implied by the Trade Practices Act 1974 or any other legislation which implies any condition which cannot be excluded.

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Safety Features

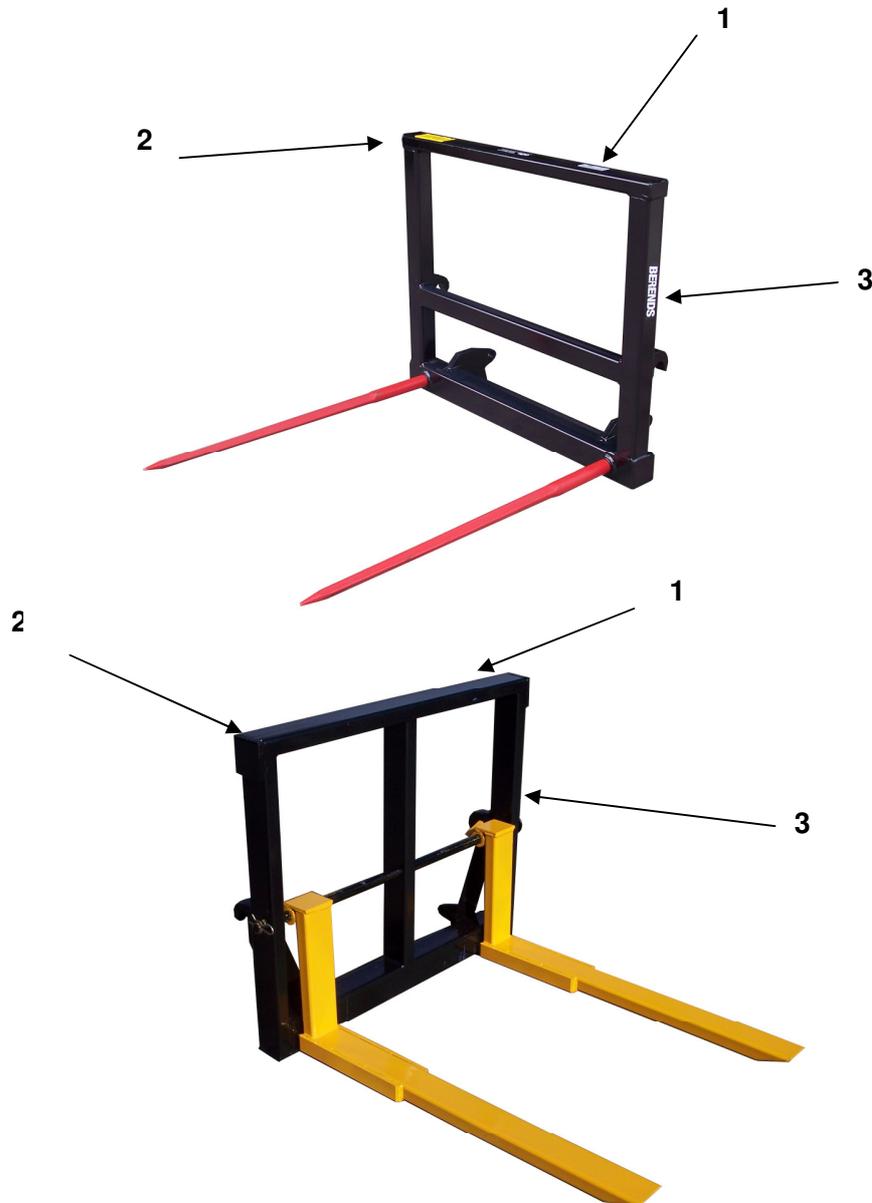
1. SERIAL NUMBER DECAL



2. WARNING DECAL



3. BERENDS DECAL



ASSEMBLY

Ensure that the tractor and its Front End Loader (FEL) have the capacity to lift the load required. The Load Capacity or Safe Working Load ratings should be clearly marked on the FEL. It is also important that you know the weight of the item you are lifting. Connect the attachment to the front end loader before positioning it under the load. Refer to the FEL operator manual or the correct methods for connecting and securing the attachment.

Never stand between the tractor and the attachment whilst the tractor is running. If a second person is required to fit the attachment, then ensure that they are outside of the wheel tracks and visible to the operator.

OPERATION

Once all safety procedures have been followed, start the tractor and raise the attachment off the ground.

The pallet forks should only be used on flat stable surfaces. The load should be secured to the pallet so that it can't fall. Do not use the pallet forks for transporting hay or silage.

Loading

Consideration must be taken by the operator whether the tractor, FEL and attachment are suitable for the load being moved. Weight capacities given in the machine description section at the front of this manual depend on the FEL capacity and even loading of the load. Determine whether a counterbalance is necessary to achieve the required capacity. When assessing the load capacity of the FEL you must include the weight of the attachment itself.

Load ratings for tractors, FELs and attachments are usually determined under ideal conditions, such as being on solid stable ground and being stationary. Consideration needs to be made in regards to the type of ground being travelled over and the speed of travel. Therefore the Safe Working Load (SWL) listed on many loaders may actually be much lower under different operating conditions. WorkSafe recommend retrofitting a hydraulic valve to the tractor that limits the maximum force applied through the hydraulics to be less than the rated capacity.

Tines often get bent because they get abused. The load must be loaded all the way onto the tines and the operator must ensure that the load does not bounce down to the end of the tine during travel. If the load is not all the way on the tines then the lifting capacity will decrease markedly.

Do not use the attachment for any other purpose other than carrying the appropriate load. It is not designed for pushing, digging, prying loose objects or any other purpose other than carrying loads.

Do not overload the attachment s beyond the height of the back frame. Failure to do so may result in part of the load falling over the back of the attachment and onto the tractor

Do not travel too fast whilst the attachment is loaded. This can result in the load bouncing up and down which creates extra force on the tines.

The tensile strength of the tines ensures that each machine is capable of lifting the recommended maximum working load when operated correctly. Any damage to tines is a result of misuse and is subsequently void of warranty.

When lifting loads, keep the tines horizontal on entry. This can be achieved by adjusting the crowd ram on the tractor. If they are crowded (tilted) forward they may dig into the ground and if crowded backward they may push into the load.

Ensure that no other people/animals are in close proximity to the FEL whilst it is operating. Do not allow passengers to ride on the FEL and its attachments.

Transporting

When transporting bales on the silage fork, crowd the fork back towards the tractor so that the bale cannot slide off the tines. Try to avoid working in undulating ground or on slopes as this changes the weight distribution on the FEL. It may be necessary to travel down hill in reverse to reduce load instability. Refer to your FEL Operator Manual on the safety requirement when travelling

Stopping

Lower the implement, stop the tractor engine (removing the ignition key) and apply the park brake. Ensure that the implement is well supported when not in use.

Ensure that the FEL is on the ground when not in use. Crowd the tines back/forward so that they are flat on the ground to avoid tripping over them.

MAINTENANCE

When doing any type of maintenance on this machine, always follow the safety steps described in this manual. Use only authorised genuine parts for replacement.

The attachment must be adequately supported under its body (Make certain it cannot fall).

There is little maintenance on the attachments, however, it is advised that periodic checks be made on the frame and tines to ensure that no stress fractures have occurred due to incorrect operation. Ensure that the FEL is maintained as per its operator manual. Particularly check for hydraulic issues such as excessive oil creep due to leaks. Also check for pivot pin wear. It is recommended that the pivot pins be kept adequately lubricated so that they slide in and out of the attachment smoothly.

SPARE PARTS

ORDER SPARE PARTS THROUGH YOUR ORIGINAL SUPPLIER OR YOUR LOCAL JOHN BERENDS IMPLEMENTS DEALER.

Always quote the machine serial number or product number, spare part number and its part name as stated in the operator's manual.

FEL Silage fork (0299)

Key No.	Part No.	Quantity	Description
1	3858	2	1100mm tine/nut
2	3861	2	Conus 2 sleeves (weld in)



FEL Pallet Fork (0298)

Key No.	Part No.	Quantity	Description
1	3942	2	Adjustable Tines
2	3943	1	Mounting rod

