



***Low Deck Trailer***  
**For 3-Bed Rigid Potato Planter**

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# **IMPORTANT**

This operator's handbook should be regarded as part of the machine. Suppliers of both new and second-hand machines are advised to retain documentary evidence that this handbook was supplied along with the machine.

On installation of the machine (i.e. starting off in the field), the New Machine Installation Record Card should be completed by the dealer/distributor and be countersigned by the customer. The document is proof that the correct procedures have been followed.

The New Machine Installation Record Card should be returned to Standen Engineering Limited within 7 days of installation. Failure to do so may invalidate the machine warranty.

On delivery check that the machine is as ordered and has not been damaged in transit. Please report any shortfall to your Standen dealer.

The contents of this handbook, although correct at the time of publication, may be subject to alteration by the manufacturers without prior notice.

Standen Engineering Limited operates a policy of continual product development. Therefore, some illustrations and/or text within this publication may differ from your machine.

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## Introduction to the Handbook

This handbook provides the information for the operation, adjustment and maintenance of your **Standen Low Deck Trailer**. To enable you to achieve the best results from the machine, the manufacturer recommends that you read the handbook thoroughly prior to using the machine for the first time.

Record below the details of your machine.

Dealers name.....

Address.....

.....

Telephone number.....

Machine serial number.....

Date purchased.....

Date started work.....



*This symbol indicates important safety messages within this handbook. When you see this symbol, be alert to the possibility of injury to yourself or others and/or damage to the machine and carefully read the message that follows.*

Throughout this handbook the terms 'front', 'rear', 'left-hand' (LH) and 'right-hand' (RH) are derived from the tractor driver's position facing forward in the normal direction of travel.

## Warranty

Should the machine suffer any faults or defects within the warranty period, please contact your dealer. The warranty shall be effective only if the dealer is informed of any such defect as soon as practicable upon discovery.

## Replacement Parts

Recommended replacement parts are designed for your machine and have the full backing of the warranty. Only when recommended parts are used can responsibility be considered under the terms of the warranty.

The rear section of this handbook contains lists of spare parts available through your Standen Agents. Each illustration shows a complete unit or assembly in exploded form. Standen's policy of continual product development means that components or even complete assemblies are redesigned from time to time. Where possible the modifications are shown in the remarks column.

The first printing of each page in the spare parts section is identified as issue 1 at the foot of the page. When a complete unit or assembly has been redesigned the appropriate pages are revised and printed as issue 2. The revised pages are filed behind the existing issue so that a complete modification history is gradually built up. When using an illustration and parts list it is essential that both are of the same issue.

**Always quote the full serial number of your machine when ordering spare parts.**

**Safety**

The Standen Low Deck Trailer has been designed to comply with current Safety Regulations. However, as with all machinery there will be inherent dangers whilst operating and carrying out maintenance on the machine. The following list of precautions should therefore be brought to the attention of all persons operating and working on the machine. The list is not exhaustive. All machinery is potentially dangerous and great care must be exercised by the operators at all times. Standen Engineering Limited will not accept liability for damage or injury caused by their products except when such liability is specifically imposed by English statute.



*The tractor must be of a suitable size to lift the trailer and planter combination safely. This may entail the fitting of front weights to counterbalance the trailer.*

*Never set machinery in motion before ensuring that everyone in the vicinity is aware of your intentions.*

*The trailer must never be operated by untrained personnel or children.*

*Never allow children or animals in the vicinity where machines are working and never allow anyone to ride on the trailer.*

*Normal safe working procedures should be adopted at all times. Reduce speed when transporting the trailer and planter on sloping ground. Do not drive across ground where there is a possibility of overturning or across steep slopes.*

*Only transport the trailer at a speed suitable to the prevailing conditions. Be aware of the weight and overall length of the machine at all times.*

*The maximum speed of the trailer on the road is 20 mph (32 km/h)*

*When towing the trailer the rear wheels must be locked in the down position using the hydraulic lock valve.*

*When left free standing i.e. not attached to the tractor, the trailer must be parked on level ground with the deck fully lowered.*

*The operator must not leave the tractor seat until the tractor engine is switched off, the handbrake applied and the ignition key removed.*

*All warning transfers and safety devices must be correctly fitted and operable at all times.*

*Inspect the machine on a regular basis and replace damaged or worn parts as necessary. Inspect the machine for damage after use. Never operate the machine in a state of disrepair.*



*Inspect hydraulic hoses and fittings for cuts and abrasions. Replace immediately*

*The hydraulic system may be under pressure with the machine at rest. Ensure all residual pressure is released before disconnecting any pipework.*

*Always ensure road lights and reflectors are clean and in good working order.*

***Safety is the responsibility of the persons working with this machine. Think "safety" at all times. Read and remember the contents of this handbook.***

### Overview

The Standen Low Deck Trailer is designed to transport the Standen 3-Bed Planter. The rear wheels hydraulically raise and lower the trailer deck allowing easy loading and unloading of the planter.



*The trailer is designed to transport the Standen 3-Bed Planter and is not intended for any other purpose.*



*The trailer imposes a transferred load of 4640 kg to the tractor with the planter loaded. Therefore, the tractor must be of a suitable size to lift the trailer and planter combination safely. This may entail the fitting of front weights to counterbalance the trailer.*

### Attaching the Trailer to the Tractor

1. Reverse up to the drawbar eye and lift the trailer on the tractor pick-up hitch.
2. Connect the hydraulic feed and return hoses to the respective tractor service ports.
3. Connect the hydraulic brake hose to the tractor brake service port.
4. Connect the lighting plug to the 7-pin socket on the tractor.
5. Operate the rear wheels to fully raise the rear of the trailer fully off the ground.
6. Finally, close the transport lock valve (item 1, fig 1) located between the rear wheels.



*When towing the trailer the rear wheels must be locked in the down position using the hydraulic lock valve.*



*The maximum speed of the trailer on the road is 20 mph (32 km/h)*

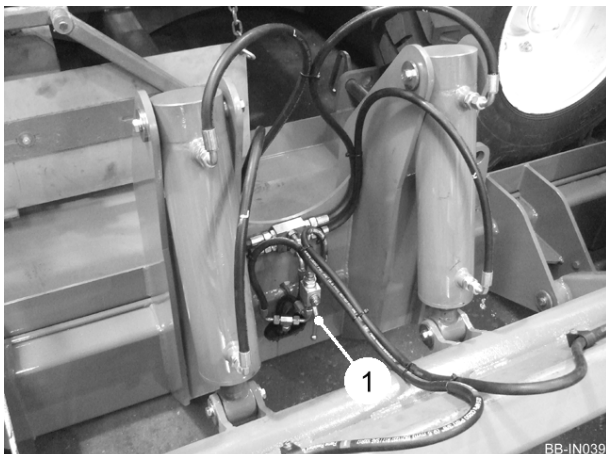


Fig 1

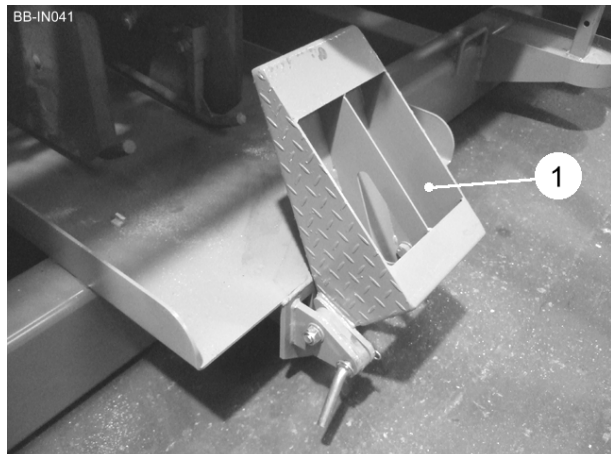


Fig 2



*When loading and unloading, ensure the trailer is standing on firm, level ground and everyone in the vicinity is aware of your intentions.*

## Unloading the Trailer

1. Open the transport lock valve (item 1, fig 1) located between the rear wheels.
2. Operate the rear wheels to lower the rear of the trailer onto the ground.
3. Lower the tractor pick-up hitch until the base of the trailer is laying flat on the ground.
4. Disconnect the tractor from the trailer drawbar.
5. Lower the four unloading ramps (item 1, fig 2) on the LH side of the trailer.
6. Rotate the planter drawbar into the working position.
7. Attach the loading/unloading tow bar (item 1, fig 4) to the tractor lift arms.
8. Reverse the tractor up to the planter and engage the drawbar eye on the tow bar. If necessary adjust the height of the drawbar eye.
9. Loosen the outer loading ramp adjustable links (item 1, fig 3) and remove the wheel lock-down pins (item 2, fig 4).
10. Lift the front of the planter and raise the stands. Secure into stowage with the locking pins.
11. Ensuring the planter wheels are aligned with the ramps, slowly drive forward until the planter is clear of the trailer.
12. Finally, refit the wheel lock-down pins (item 2, fig 4) ready for loading.

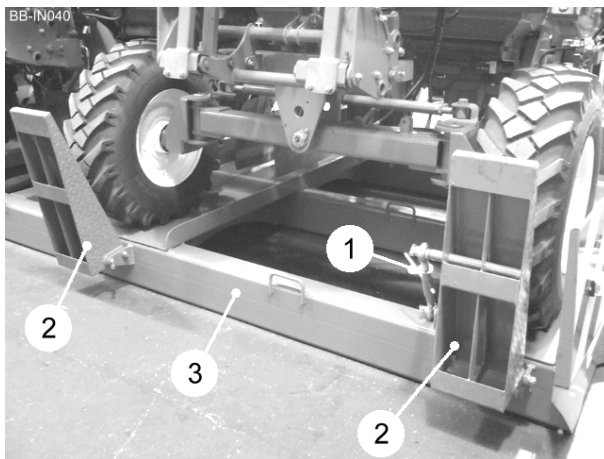


Fig 3

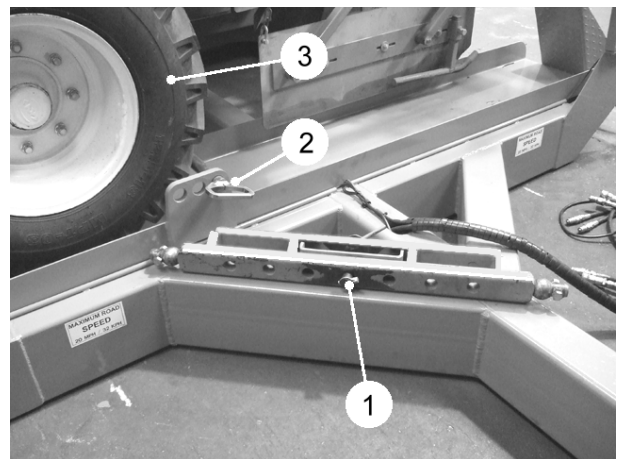


Fig 4

## Loading the Trailer

1. Lower the loading ramps (item 2, fig 3) and unloading ramps (item 1, fig 2).
2. Attach the loading/unloading tow bar (item 1, fig 4) to the tractor lift arms.
3. Reverse the tractor up to the planter and engage the drawbar eye on the tow bar. If necessary adjust the height of the drawbar eye.
4. Approaching at a right angle from the RH side of the trailer, align the tractor wheels and planter wheels with the loading ramps (item 2, fig 3).
5. Raise the front of the planter slightly to allow the openers to clear the trailer side beam (item 3, fig 3).

6. Drive the tractor and planter over the trailer until the outer planter wheels (item 3, fig 4) touch the lock-down pins (item 2, fig 4).
7. Raise the two outer loading ramps (item 2, fig 3) and secure with the adjustable links (item 1, fig 3).
8. Adjust the links (item 1, fig 3) to prevent the planter wheels from rolling backward or forwards.
9. Lower the planter parking stands and secure with the locking pins.
10. Lower the planter onto the stands and disconnect the tractor from the planter drawbar.
11. Rotate the planter drawbar into the transport position and secure it with the short locking pin.
12. Securely strap the planter to the trailer using the loops provided.
13. Raise the loading ramps (item 2, fig 3) and unloading ramps (item 1, fig 2) and secure with the locking pins and 'R' Clips.
14. Finally, attach the trailer to the tractor (see 'Attaching the Trailer to the Tractor').



*Ensure the planter has been correctly loaded and strapped down onto the trailer before transporting it on the road. Ensure all road lights and reflectors are clean and in good working order.*

**Maintenance**

Check for any bolts, screws, connections etc. which may work loose.

Check tyre pressures regularly and adjust if necessary.

Check wheel nuts for tightness.

Check rear axle braking function and adjust if necessary.

Check hydraulic cylinders, valves and pipe work for signs of leaks or damage, repair or replace as necessary.

Grease rear axle pivot points.

Apply grease to all pivot points, cylinder rods and exposed threads etc. to ensure they remain free of corrosion.

**Trailer Dimensions**

Length	9.4 m
Width	3.5 m
Height	1.5 m (raised)
Height with 3-Bed Planter	3.3 m (raised)

**Trailer Weight**

Unloaded	3300 kg
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<b>Tyre Size</b>	560/45-22.5 16PR
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<b>Tyre Pressure</b>	3 Bar (45 psi)
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<b>Wheel Nut Torque</b>	427 lb/ft (580Nm)
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