



**ONION
PADDLE KIT**

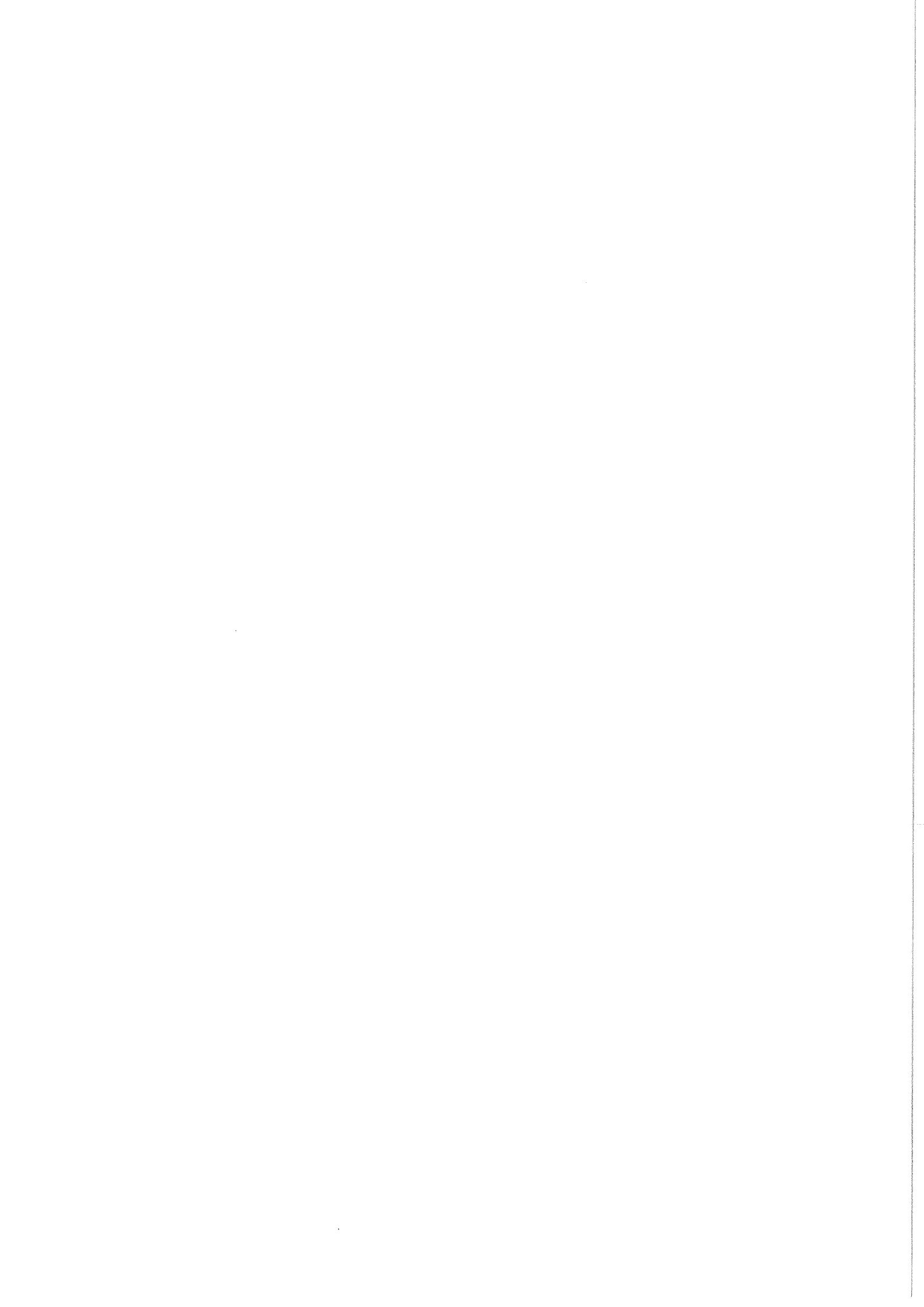
FROM 2006

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STANDEN ONION PADDLE KIT

The onion paddle kit is primarily designed to fit the current models of Standen Eng Ltd potato harvesters. The attachment can be fitted to other makes of harvester, but Standen Eng. Ltd take no responsibility for the installation, and operation of the assembly.

SAFETY PRECAUTIONS.

DO NOT attempt to carry out any adjustments, or maintenance with the machine running.

Mechanical lifting equipment must be used to move the paddle assembly.

The machine must only be installed and operated by suitably trained, and qualified persons.

Inspect all hydraulic hoses for damage, and ensure safe routing when installing the assembly.

The hydraulic system may be under pressure with the machine at rest. Ensure all residual pressure is released before any pipes are disconnected.

All hydraulic repairs must be carried out by suitably qualified operatives.

Never operate the machine in a state of disrepair.

INSTALLATION.

The square lifting bar is designed to run on the surface of the ground, with the digger web running just above the surface. The assembly drawing shows the approximate relationships of the unit relative to the front of a digger web.

When fitting the unit to a non Standen harvester the harvester bridge beam may need to be modified to allow the paddle kit to be mounted in the correct relative position to the digger web.

The bridge beam should be modified to allow the square bar to work close enough to the front of the digger web. The back of the drive case should clear the front of the web, leaving room for any stones that may be carried in the web. The rearward projection of the drive case acts as a deflector to guide the flow of crop onto the web, and to support the side deflector rubbers which in turn need to be bolted to the machine web sides.

It is necessary to mount the onion paddle assembly underneath the bridge beam, the slots on the upper part of the drive cases allows for pitch adjustment.

When the onion paddle assembly is installed check that it does not foul on any part of the machine when the digger web is raised and lowered .

Depth wheels are available to preset the working depth of the onion paddle, they are usually fitted to run each side of the windrow and should be mounted on the front of the bridge beam.

The hydraulic oil supply to run the onion paddle is taken from the tractor live oil supply feeding the valve block on the harvester.

The oil from the tractor spool valve is fed to the Pressure port of the flow divider, and the ByPass flow onto the harvester valve block feed.

The **REG**ulated oil flow from the flow divider is fed to the onion paddle motor.

STANDEN ONION PADDLE KIT

OPERATION.

When the harvester is set to the required working depth the onion paddle assembly should be pitched to run in a slightly nose high attitude. Running the unit flat to the ground, or nose down will result in excessive, and premature wear to the drive cases, and not as designed to the detachable wear plates.

The speed of the onion paddle is controlled by adjusting the oil flow with the knob on the flow divider, the larger the number the faster the speed.

In operation the square bar should create a bow wave of soil which in turn lifts the onion onto the web.

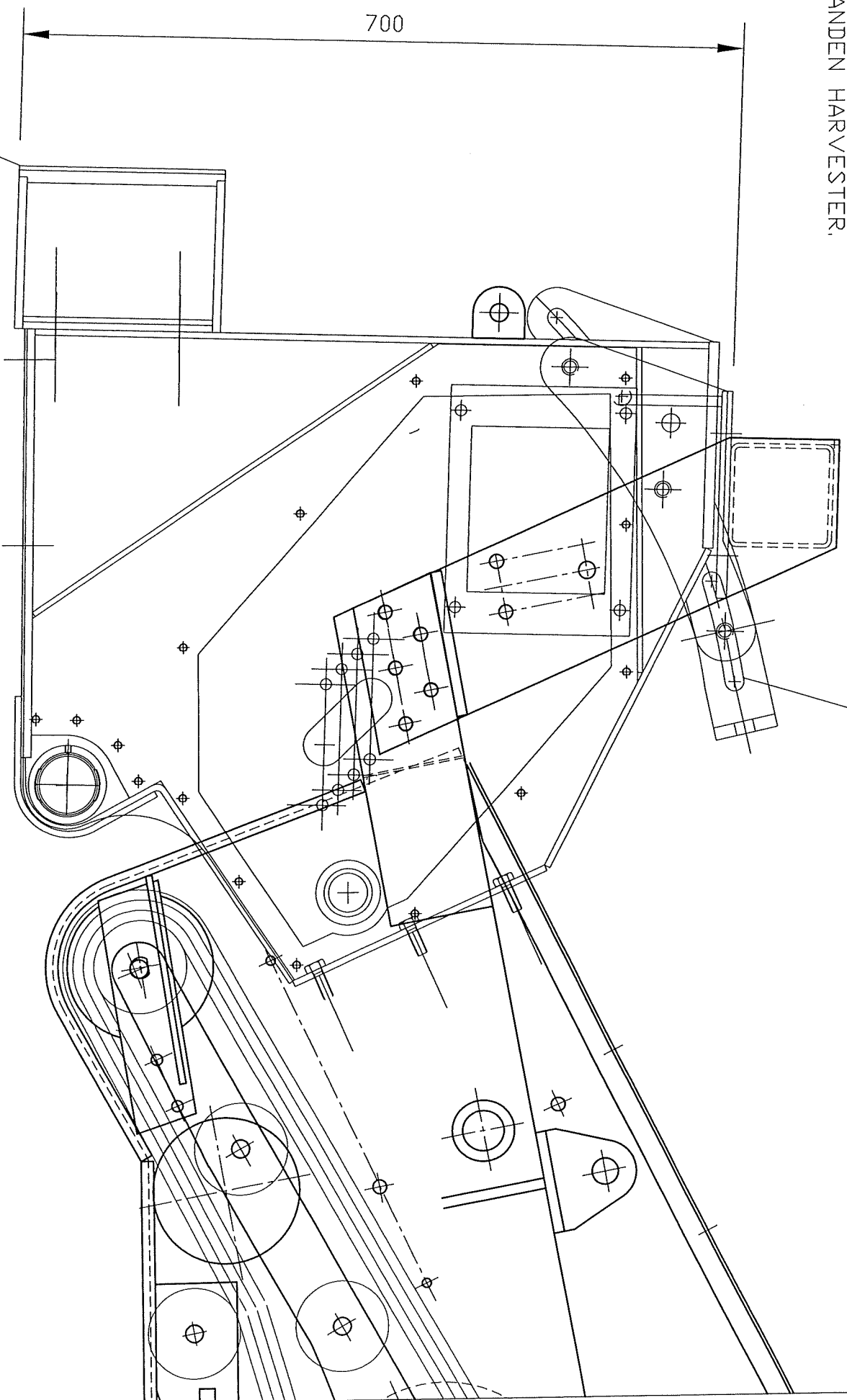
The height at which the rubber flaps work can be altered by using a series of holes in the drive cases.

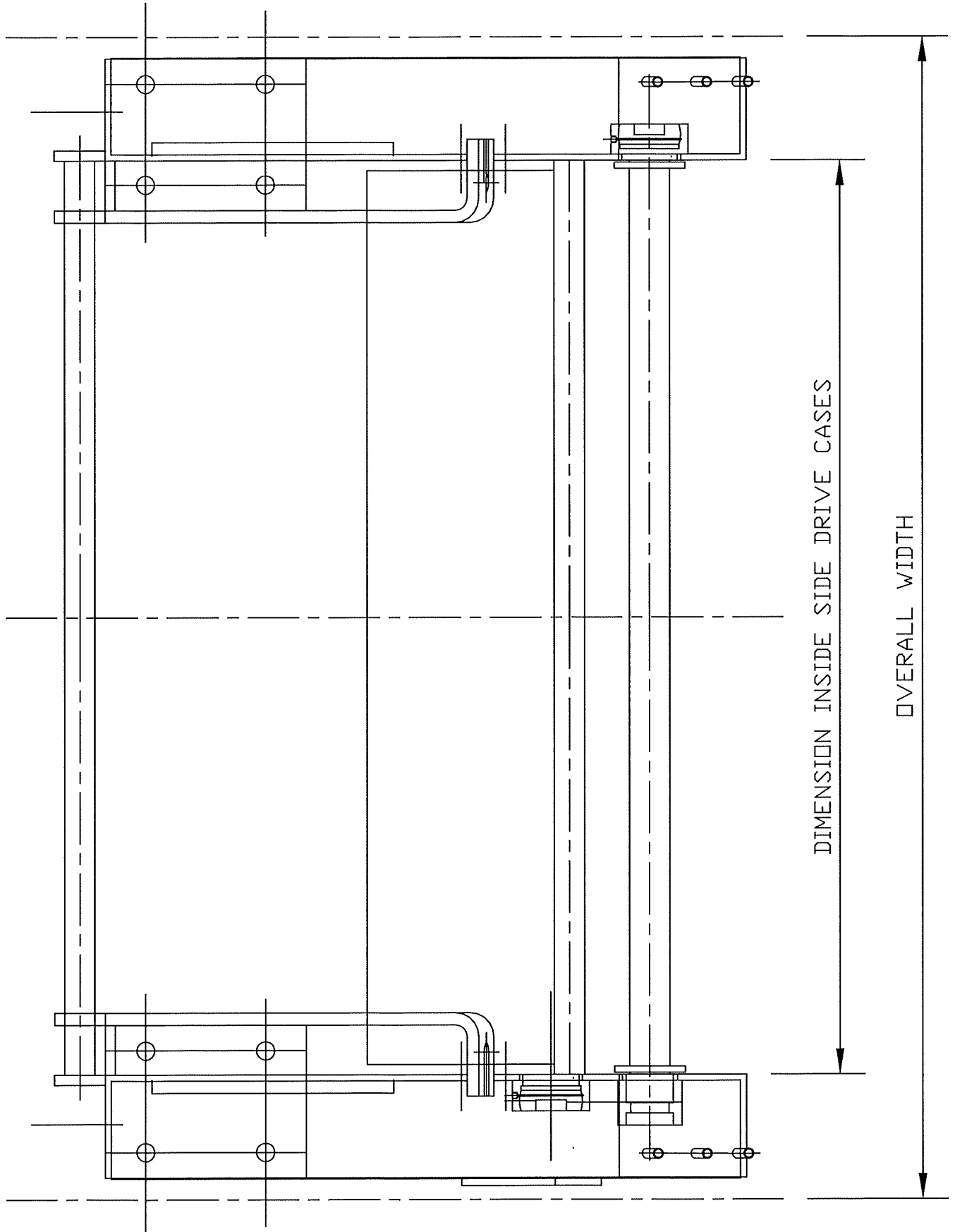
ONION PADDLE ASSEMBLY SHOWN FITTED
TO A STANDEN HARVESTER.

700

PITCH ADJUSTMENT SLOTS

PADDLE ASSEMBLY TO RUN SLIGHTLY NOSE HIGH





| | | | |
|------------------------------|--------|--------|--------|
| ORDER REF | 900 | 1200 | 1375 |
| DIMENSION INSIDE DRIVE CASES | 900mm | 1200mm | 1375mm |
| OVERALL WIDTH | 1145mm | 1445mm | 1620mm |

THESE DIMENSIONS ARE FOR REFERENCE ONLY, FOR ACTUAL DIMENSIONS MEASURE THE UNION PADDLE ASSEMBLY

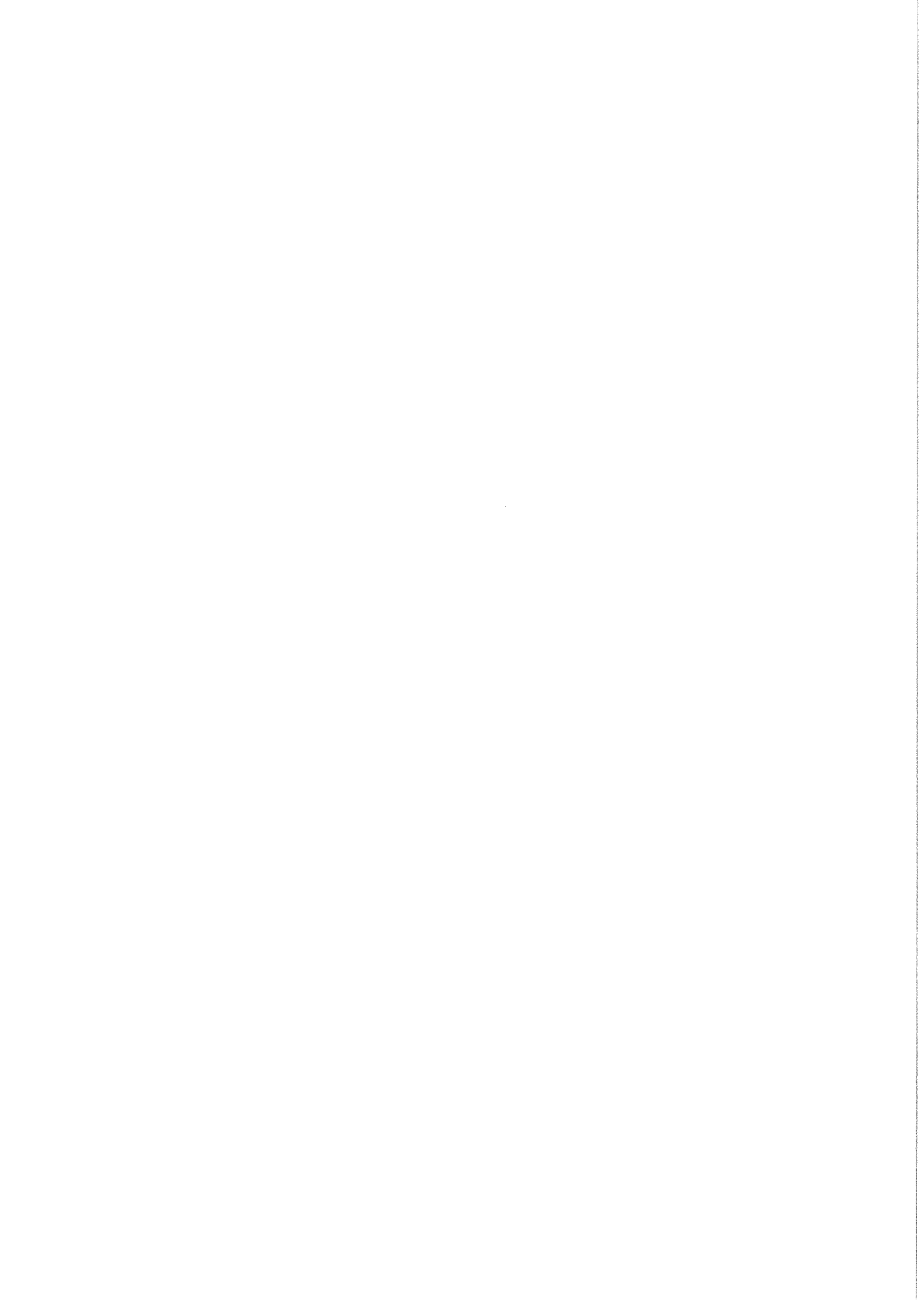
PLAN VIEW OF UNION PADDLE

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ONION PADDLE KIT SPARE PARTS

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Note: When using the following pages to order replacement parts, please quote the full serial number of your machine.



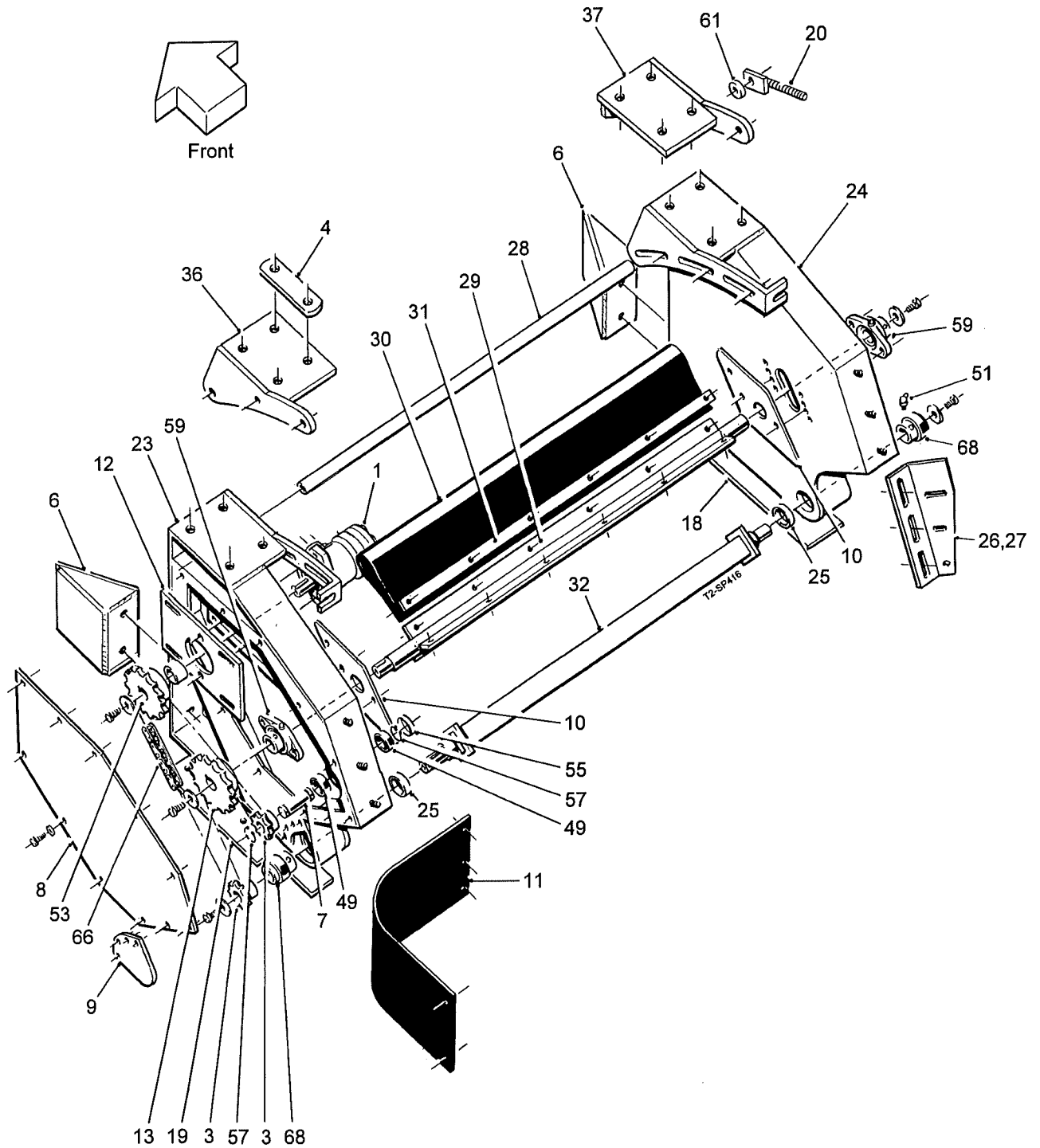
ONION PADDLE KIT SPARE PARTS

2.1

Machines from 2006

Onion Paddle Assembly

Assy No 51952



2.1a**ONION PADDLE KIT SPARE PARTS**

Machines from 2006

Onion Paddle Assembly

Assy No 51952

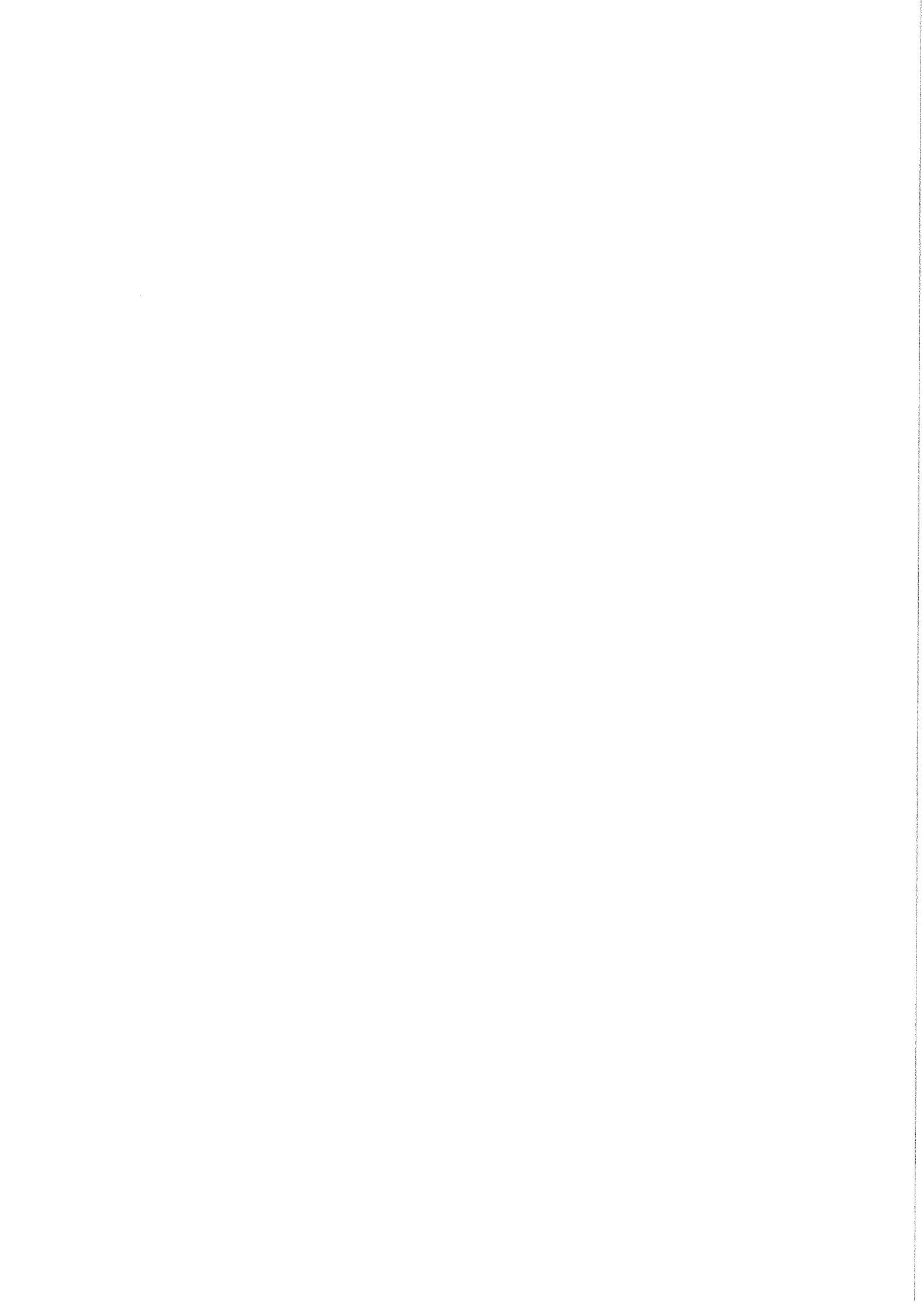
| Item | Part No. | Description | Qty. | Remarks |
|------|----------|------------------------------------|------|---------|
| 1 | 11608 | Hydraulic Motor | 1 | |
| 2 | | | | |
| 3 | 27175 | 11T 5/8"Pitch Sprocket | 2 | |
| 4 | 27286 | Clamp Plate | 4 | |
| 5 | | | | |
| 6 | 44429 | Nose Piece | 2 | |
| 7 | 44434 | Idler Shaft | 1 | |
| 8 | 44436 | Drive Guard | 1 | |
| 9 | 44437 | Shaft End Guard | 1 | |
| 10 | 44438 | Bearing Filler Plate | 2 | |
| 11 | 44439 | Side Infill Rubber | 2 | |
| 12 | 44442 | Motor Mounting Plate | 1 | |
| 13 | 44457 | 36T 5/8"Pitch Sprocket | 1 | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | 46917 | Wear Strip | 1 | |
| 19 | 46917A | Wear Strip | 1 | |
| 20 | 46918 | Adjuster | 2 | |
| 21 | | | | |
| 22 | | | | |
| 23 | 51077 | LH Drive Case | 1 | |
| 24 | 51078 | RH Drive Case | 1 | |
| 25 | 51080 | Sealing Ring | 2 | |
| 26 | 51081 | LH Rubber Bracket | 1 | |
| 27 | 51082 | RH Rubber Bracket | 1 | |
| 28 | 44435 | Tie Bar (900mm) | 1 | |
| | 51212 | Tie Bar (1200mm) | 1 | |
| | 51287 | Tie Bar (1375mm) | 1 | |
| 29 | 44431 | Paddle Shaft (900mm) | 1 | |
| | 51209 | Paddle Shaft (1200mm) | 1 | |
| | 51288 | Paddle Shaft (1375mm) | 1 | |
| 30 | 44432 | Paddle Rubber (900mm) | 3 | |
| | 51210 | Paddle Rubber (1200mm) | 3 | |
| | 51289 | Paddle Rubber (1375mm) | 3 | |
| 31 | 44433 | Paddle Rubber Clamp Strip (900mm) | 3 | |
| | 51211 | Paddle Rubber Clamp Strip (1200mm) | 3 | |
| | 51290 | Paddle Rubber Clamp Strip (1375mm) | 3 | |
| 32 | 51079 | Square shaft (900mm) | 1 | |
| | 51501 | Square shaft (1200mm) | 1 | |
| | 51291 | Square shaft (1375mm) | 1 | |
| 33 | | | | |
| 34 | | | | |
| 35 | | | 1 | |
| 36 | 46915 | LH Pivot Mounting | 1 | |
| 37 | 46916 | RH Pivot Mounting | | |
| 38 | | | | |
| 39 | | | | |

ONION PADDLE KIT SPARE PARTS**2.1b**

Machines from 2006

Onion Paddle Assembly**Assy No 51952**

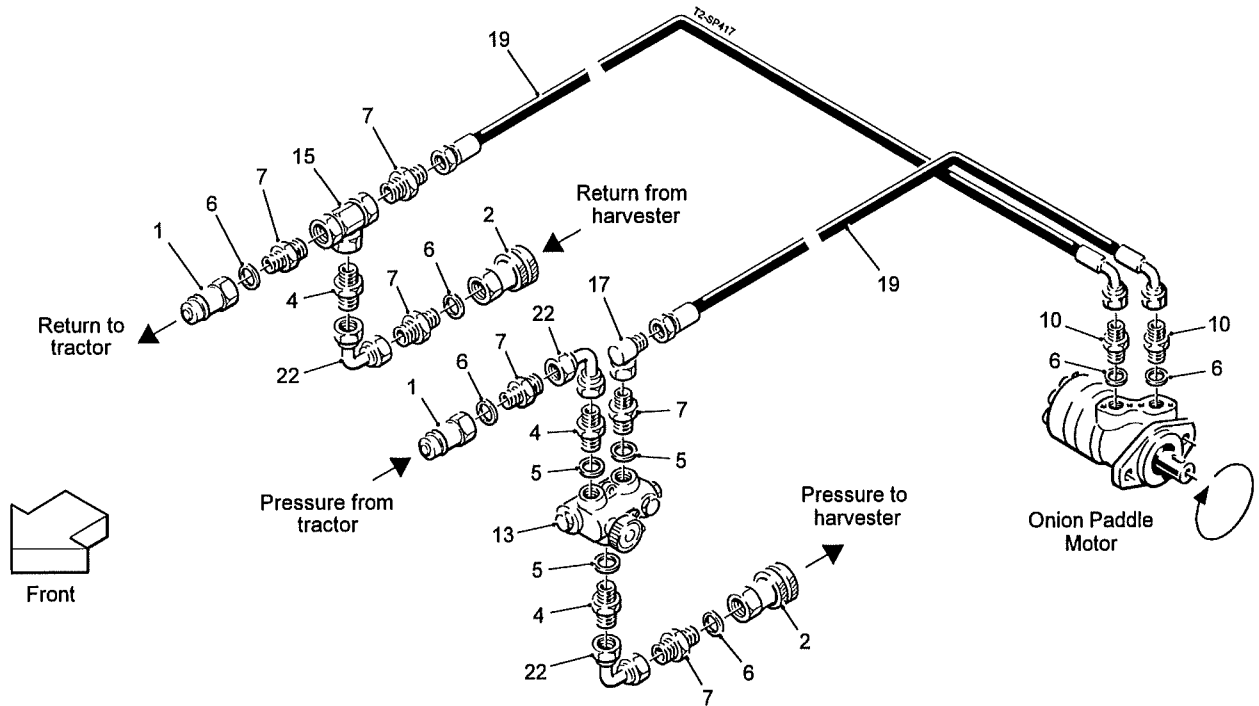
| Item | Part No. | Description | Qty. | Remarks |
|-------------|-----------------|---------------------------|-------------|----------------|
| 40 | | | | |
| 41 | | | | |
| 42 | | | | |
| 43 | | | | |
| 44 | | | | |
| 45 | | | | |
| 46 | | | | |
| 47 | | | | |
| 48 | | | | |
| 49 | 6005RS | Bearing | 2 | |
| 50 | | | | |
| 51 | GS411 | 1/8"BSP Grease Nipple 45° | 1 | |
| 52 | | | | |
| 53 | KA15101 | 23T 5/8"Pitch Sprocket | 1 | |
| 54 | | | | |
| 55 | PH407 | Seal | 1 | |
| 56 | | | | |
| 57 | PS843 | Ø25 External Circlip | 2 | |
| 58 | | | | |
| 59 | SFT30A | Bearing | 2 | |
| 60 | | | | |
| 61 | SS040017/010 | Steel Spacer | 2 | |
| 62 | | | | |
| 63 | | | | |
| 64 | | | | |
| 65 | | | | |
| 66 | W0644/118 | 5/8"Pitch Drive Chain | 1 | |
| 67 | | | | |
| 68 | YAR206-2F | Bearing | 2 | |



Machines from 2006

Hydraulic Circuit (powered from tractor)

Assy No 64696A



2.2a**ONION PADDLE KIT SPARE PARTS**

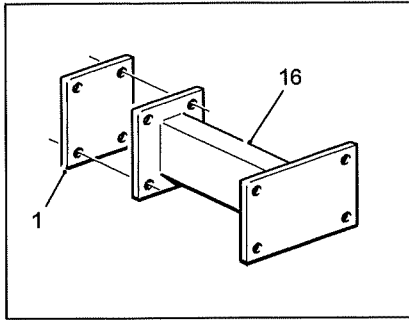
Machines from 2006

Hydraulic Circuit (powered from tractor)**Assy No 64696A**

| Item | Part No. | Description | Qty. | Remarks |
|------|----------|---------------------------------|------|---------|
| 1 | 10140 | 1/2"BSP Male Coupling | 2 | |
| 2 | 10141 | 1/2"BSP Female Coupling | 2 | |
| 3 | | | | |
| 4 | 11115 | 3/4"BSP M M Adaptor | 3 | |
| 5 | 11123 | 3/4"BSP Dowty Seal | 3 | |
| 6 | 11124 | 1/2"BSP Dowty Seal | 6 | |
| 7 | 11295 | 1/2"BSPx3/4"BSP M M Adaptor | 6 | |
| 8 | | | | |
| 9 | | | | |
| 10 | 12315 | 1/2"BSP M M Adaptor | 2 | |
| 11 | | | | |
| 12 | | | | |
| 13 | 27720 | Variable Flow Divider | 1 | |
| 14 | | | | |
| 15 | 31186 | 3/4"BSP Female Tee | 1 | |
| 16 | | | | |
| 17 | 32475 | 1/2"BSP M F Compact 90°Adaptor | 1 | |
| 18 | | | | |
| 19 | 52527 | 1/2"Hose Assembly (3950mm) | 2 | |
| 20 | | | | |
| 21 | | | | |
| 22 | TBMW609 | 3/4"BSP Female Swept 90°Adaptor | 3 | |

Machines from 2006

Depth Wheels
Assy No 50068



T2-SP418

