



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.

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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.

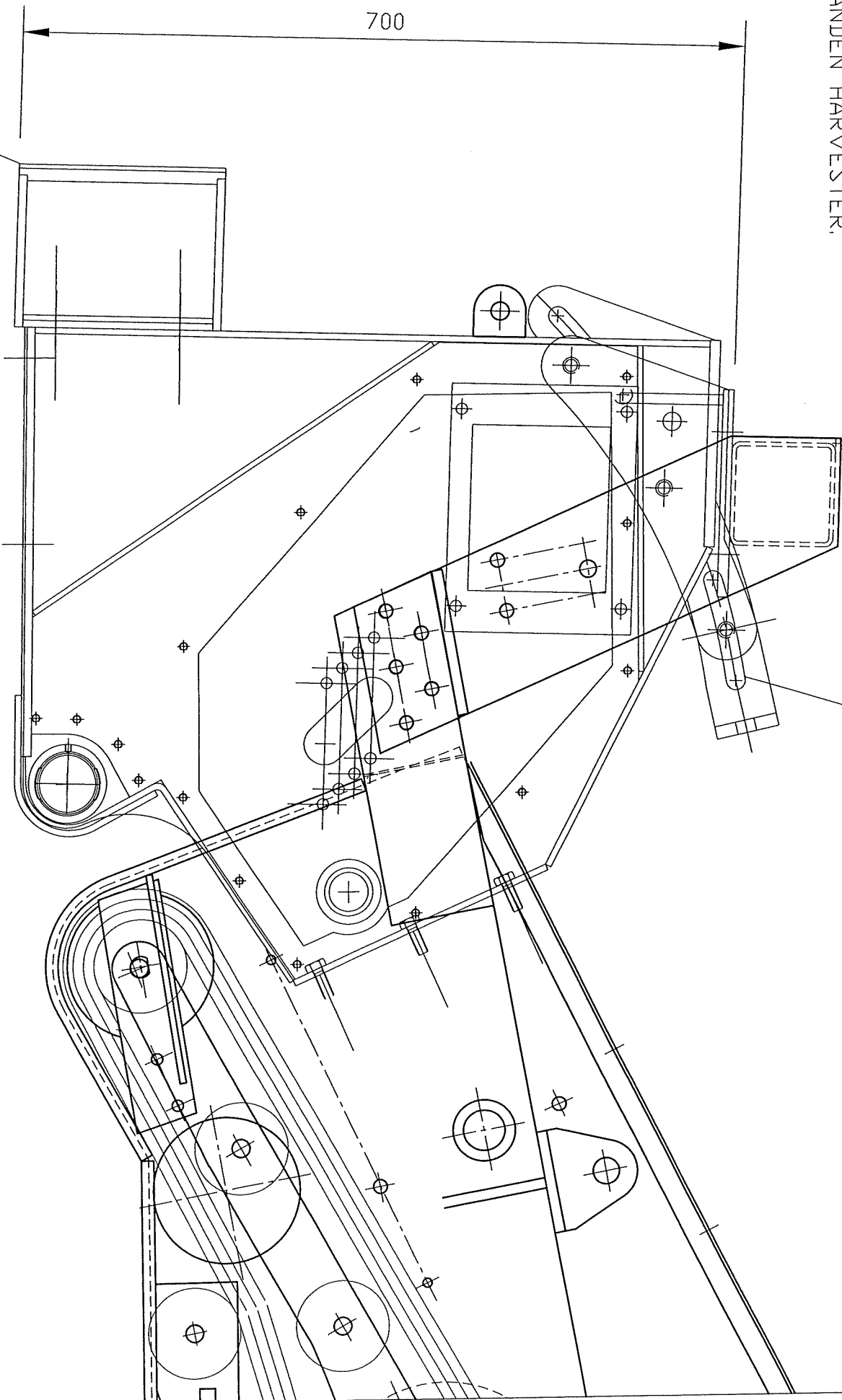
The height at which the rubber flaps work can be altered by using a series of holes in the drive cases.

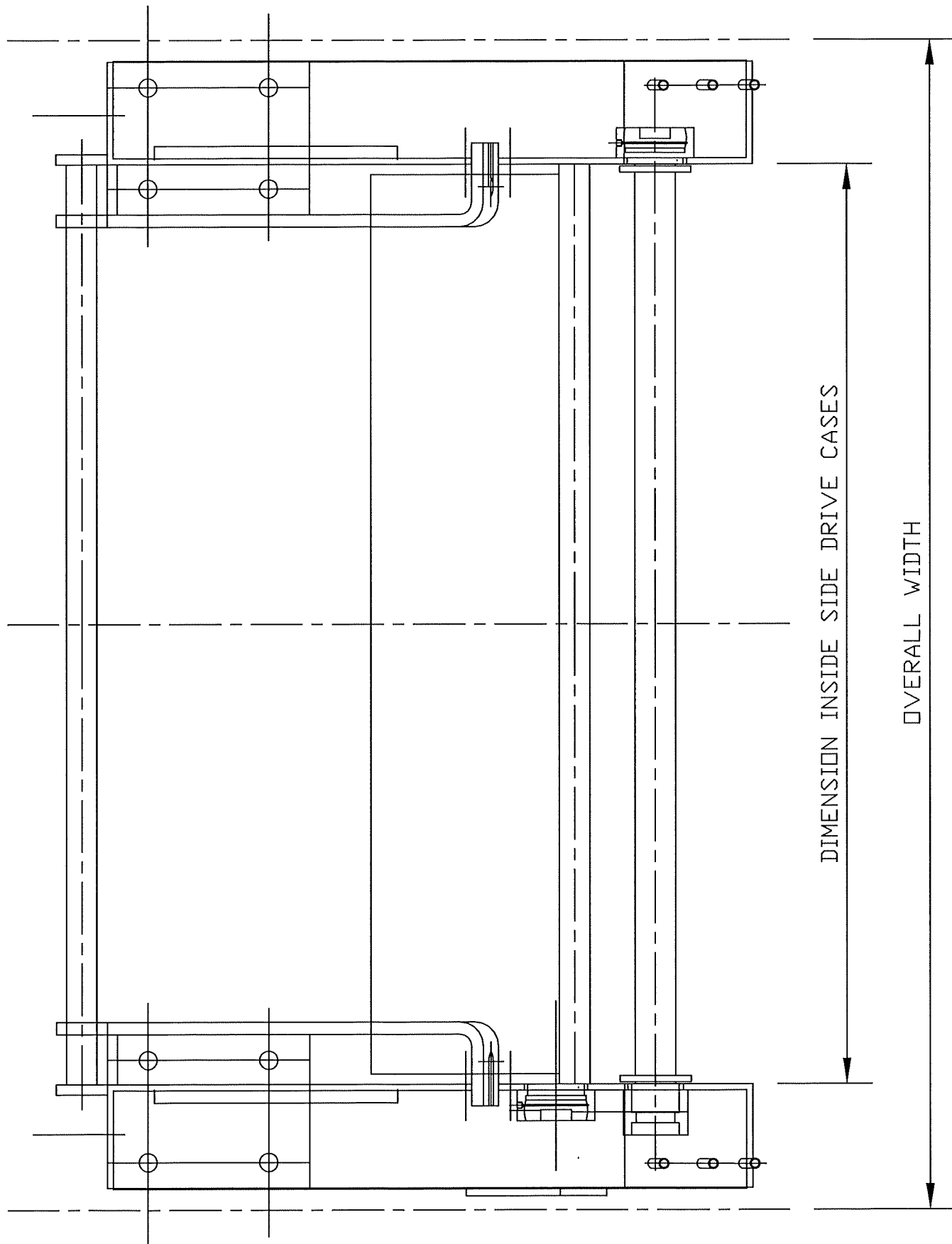
UNION PADDLE ASSEMBLY SHOWN FITTED
TO A STANDEN HARVESTER.

PITCH ADJUSTMENT SLOTS

700

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

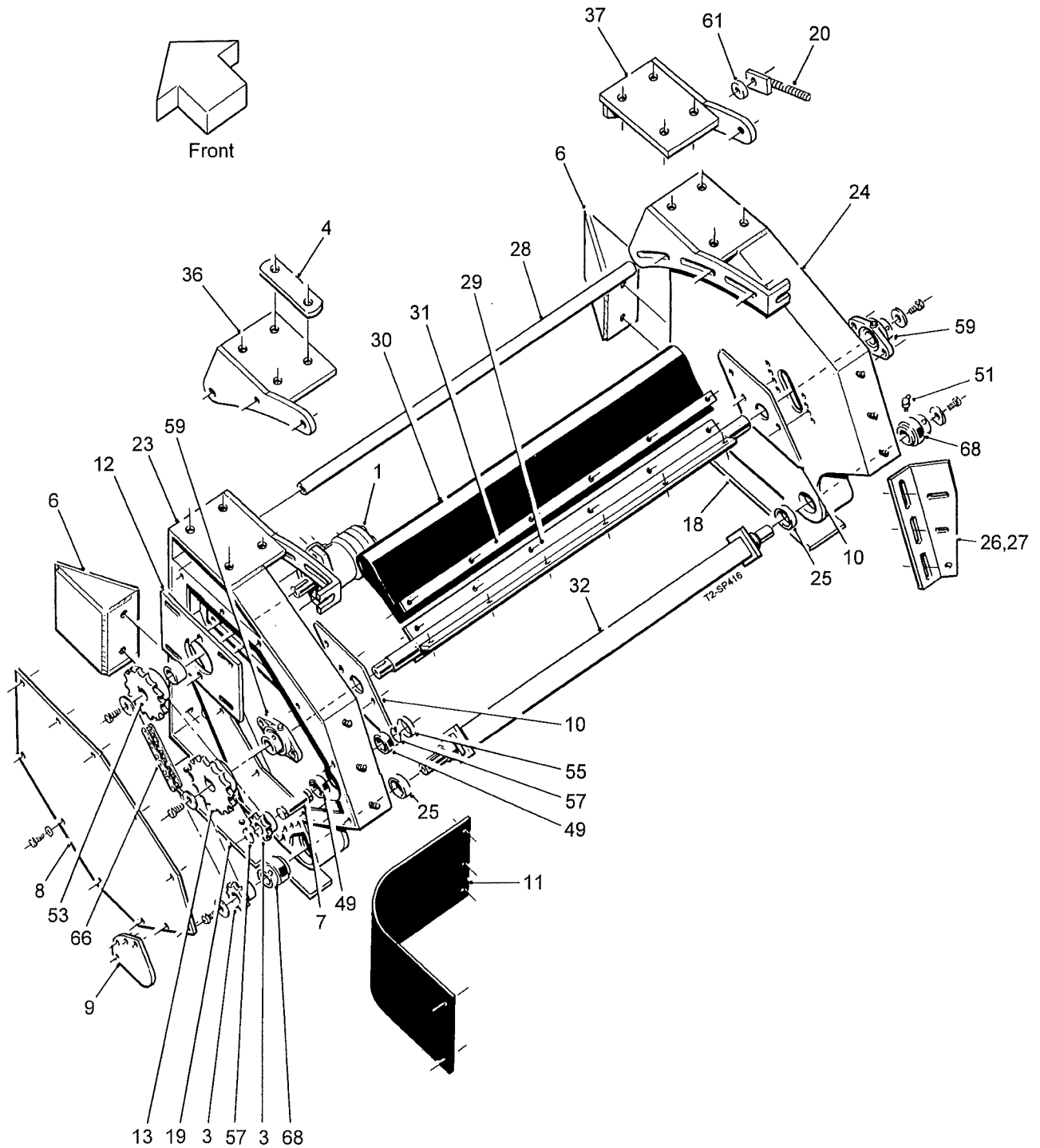
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Note: When using the following pages to order replacement parts, please quote the full serial number of your machine.

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

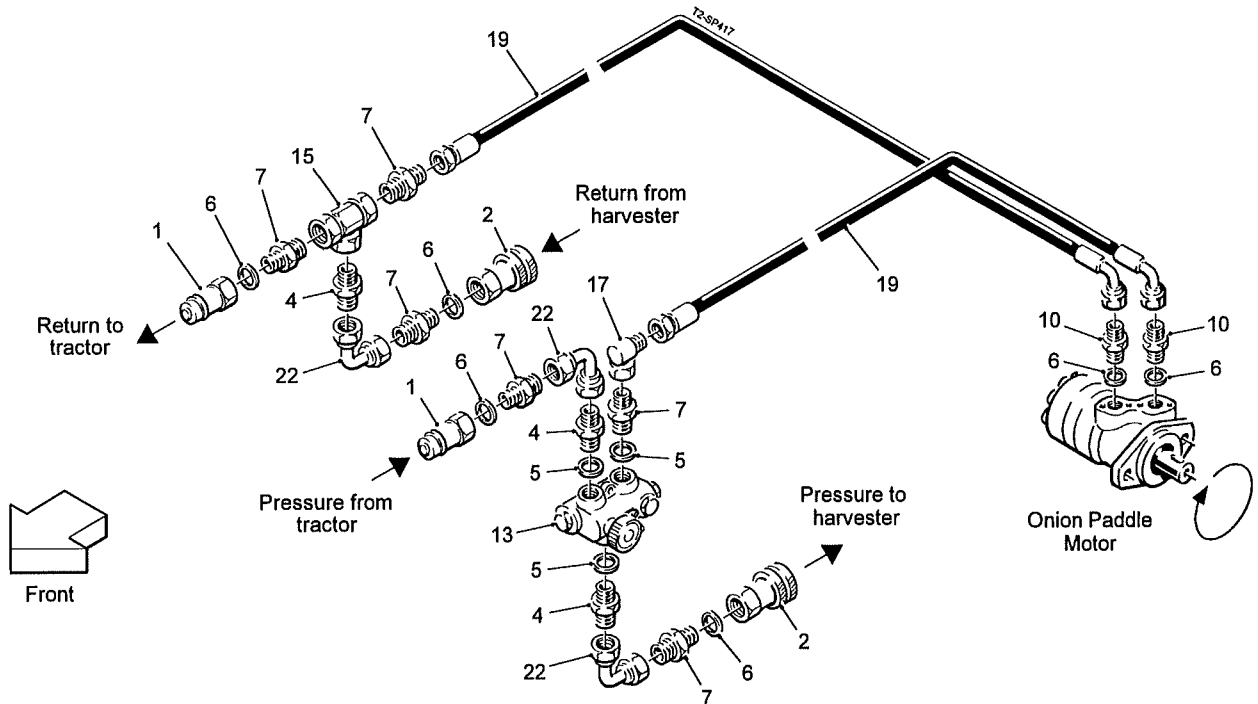
Onion Paddle Assembly**Assy No 51952**

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	

2.3a

ONION PADDLE KIT SPARE PARTS

Machines from 2006

Depth Wheels

Assy No 50068

[illegible]