

Standen

**Clodmaster/Windrower
1994 onwards**

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IMPORTANT

- This operators 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 operate 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

This manual provides the information for the adjustment and maintenance of your **STANDEN CLODMASTER**. To enable you to achieve the best results from the machine, the manufacturer recommends that you read the manual through thoroughly prior to using the machine for the first time.

On taking delivery of your machine, check that the machine is complete as ordered and that it has not been damaged in transit. Please report any shortfall to your Standen Dealer.

Throughout this manual 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.

Record below details of your machine. Always quote the serial number when ordering spare parts.

Date Purchased:

Date Started Work:

Serial Number:

Agent's Name:

Agent's Address:

.....

.....

.....

Agent's Tel. Number:

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SAFETY PRECAUTIONS

The following is a guide list of precautions and reminders to help provide protection for you, your operators and the users of the public highway.

THE MACHINE IS USE

- NEVER: Operate the machine in a state of disrepair.
- NEVER: Allow anyone especially children to ride on the machine.
- NEVER: Operate the machine with any of the safety guards removed. Remember they are fitted for two reasons - To keep dirt out, and more importantly, to protect you and others from the various working parts. Make sure the guards are kept in good condition and are fitted correctly when the machine is in use.
- NEVER: Allow children to be in the vicinity where machines are working.
- NEVER: Set the machinery in motion before ensuring everyone in the vicinity is aware of your intentions.
- NEVER: Work under the machine when it is raised on the tractor hydraulic lift linkage.
- NEVER: Fit drive chains or drive belts while the drive sprockets or drive pulleys are in motion.
- NEVER: Attempt to adjust or clean any part of the machine with the tractor power take-off in motion and always stop the tractor engine.
- NEVER: Drop the machine quickly; lower gently.

BEFORE TRAVELLING ALONG A PUBLIC HIGHWAY

- ALWAYS: Clean down the machine to avoid depositing dirt on the road.
- ALWAYS: Fold the cross conveyor into the transport position to reduce the width of the machine (see Fig. 1).
- ALWAYS: Make sure the tractor's independent brake pedals are coupled together, and that sufficient front weights are fitted to the tractor (if required) to give positive steering.
- ALWAYS: Fit a flashing light if travelling on a dual carriageway.
- IMPORTANT: As from 1st March 1985, new regulations apply to transportation of 'Agricultural Machinery' on the public highway. As a result a Clodmaster fully mounted on the tractor 3 point linkage will require two side and one end marker fitted before travelling on the highway in daylight.

If the Clodmaster is equipped with a semi-mounted drawbar and therefore trailed and articulated, the above mentioned are not required by Law. However, if a fully mounted Clodmaster is transported at night or in bad visibility, additional 'rear lights' must be fitted within 2 metres of the rearmost point of hangover and 400 mm off either side (as well as markers).

NOISE

Sample noise tests have been carried out to register the combined noise level of both machine and towing tractor (at the driver's ear with the rear cab window open). Results indicate that the noise level can reach or exceed 85 dBa which is the first action level introduced on 1st January 1990 when ear protection must be supplied if requested by an operator.

The tests were carried out in very stony and clody conditions but if the noise level should reach or exceed 90 dBa which is the second level of action, ear protection must be supplied and worn by an operator subjected to it.

The above list of precautions is not exhaustive. All machinery is potentially dangerous and great care must be exercised by the operator/s at all times.

SECTION 1

INSTRUCTION MANUAL

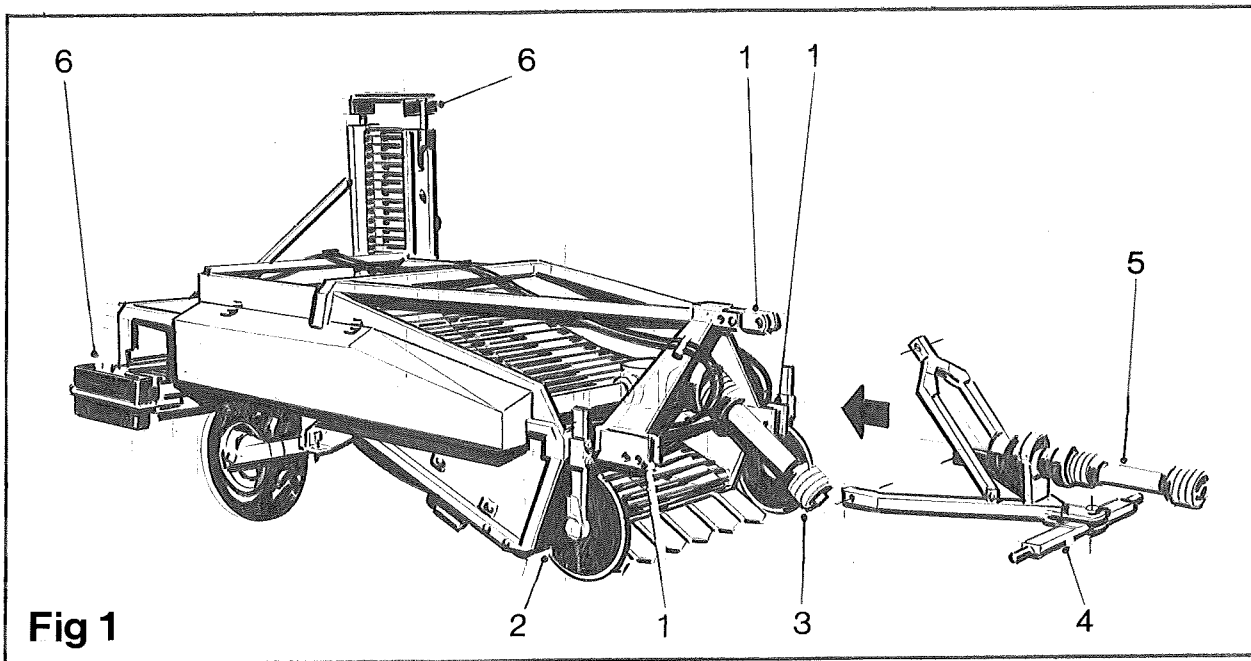
INSTALLATION

The Standen Clodmaster De-stoner is available in either the fully mounted form (fitted to the tractor 3 point linkage), or the semi-mounted drawbar form (fitted and articulated about the tractor lower link arms).

The Clodmaster has a single row of share blades which lifts the bed and transfers it onto the digger web where agitators separate the stone and clod from the soil. From the digger web, the clod and stone is transferred to the second web where further separation takes place. From the second web, the remaining clod and stone is dropped onto the cross conveyor web which then transfers it to either the left or right and discharges into the bottom of the wheelings.

Check that all of the nuts, bolts, sprocket keys and bearing grub screws etc., are tight, especially before starting off with a new machine and during the first day or two of work.

Pay particular attention to maintenance and lubrication of the machine and also pay attention to the safety precautions; they are written as a warning to you and others.



CONNECTING TO THE TRACTOR (Fully mounted version see Fig. 1)

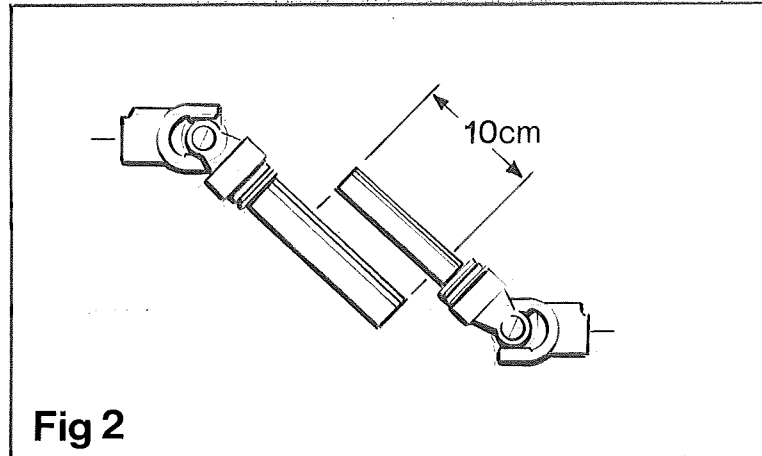
- (a) As the machine is fitted with Cat 2 linkage pins at both the top and bottom lift points, check for the corresponding linkage on the tractor (item 1, fig 1).

Make sure that the Clodmaster is on level ground by checking the height of the lower link pins and set the stabilisers to allow a little float after connecting them. Ensure that the disc coulters (item 2, fig 1) do not come into contact with the tractor tyres.

- (b) The PTO shaft (item 3, fig 1), complete with its own guards, is splined at both ends. It has a quick release coupling at the tractor end which must only be fitted to the 540 r.p.m. output shaft. The machine end couples directly onto the gearbox.

- (c) The PTO coupling supplied with the machine may require cutting to a correct length to suit individual tractors. To do this, the coupling should be parted and the two ends fitted to the tractor and machine respectively.

The male and female shafts can be measured alongside each other and an adjustment made by cutting the surplus bar from both the male and female shafts. At least 4" (10 cms) overlap should be allowed, see Figure 2. After the correct length of the coupling has been obtained, the PTO coupling guard should be cut to correspond with the coupling. Finally, before engaging the PTO, secure the guard by fixing the chain to a convenient place on the machine.



- (d) Connect the hydraulic hoses to the tractor. Two double acting spool valves are required, one to operate the reversible cross conveyor web hydraulic motor drive and one to operate the double acting ram which moves the cross conveyor from side to side. All four hoses are fitted with quick release couplings.

CAUTION: DO NOT ATTEMPT TO OPERATE EITHER HYDRAULIC SERVICE UNTIL THE CROSS CONVEYOR HAS BEEN UNFOLDED INTO ITS WORKING POSITION AND THE TWO SECURING BOLTS HAVE BEEN FITTED.

CONNECTING TO THE TRACTOR (Semi-mounted drawbar version, see fig. 1)

- (a) Fit the special lift bar (item 4, fig 1) to the tractors lower link arms (Cat 2). Adjust the check chains or stabilizers to ensure the centre hole in the lift bar is aligned with the centre of the tractor.
- (b) After connecting the machine to the lift bar, the PTO shaft (item 5, fig 1) can be fitted, attaching the outer female guard end to the machine which helps prevent ingress of dirt or water. If the PTO coupling is too long, follow procedure described in section (c) above, then fit check chains.

CAUTION: ENSURE THE HEAD OF THE DRAWBAR PIN WILL NOT FOUL THE PTO COUPLING WHEN THE FRONT IS FULLY RAISED.

- (c) Connect the hydraulic hoses to the tractor. Two double acting spool valves are required, one to operate the reversible cross conveyor web hydraulic motor and one to operate the double acting ram which moves the cross conveyor from side to side. All four hoses are fitted with quick release couplings.

CAUTION: DO NOT ATTEMPT TO OPERATE EITHER HYDRAULIC SERVICE UNTIL THE CROSS CONVEYOR HAS BEEN UNFOLDED INTO ITS WORKING POSITION AND THE TWO SECURING BOLTS HAVE BEEN FITTED.

TESTING HYDRAULIC OPERATIONS

CAREFULLY operate the tractor spool levers in turn to find out in which direction the conveyor moves in response to a particular movement of the spool and in which direction the web rotates. Please note that when operating in the field the spool serving the hydraulic motor will have to be kept in the selected position to maintain operation through the length of the field. Whilst some tractors have a position detent which will hold the lever, others may not. In which case, elasticated rubber cord is a simple way of making a tie to hold the lever in position.

HYDRAULIC DRIVE TO REAR CROSS CONVEYOR

Owing to the increased capacity of the hydraulic systems in modern tractors a big volume of oil is now available to drive external hydraulic motors. In order to restrict the speed of operation of the cross conveyor and to keep it within an acceptable operational range, a pair of speed control valves are fitted to the input and output connections of the hydraulic motor.

WARNING: WHEN CARRYING OUT MAINTENANCE TO THE HYDRAULIC SYSTEM, CLEANLINESS IS OF THE UTMOST IMPORTANCE. AVOID ANY DIRT ENTERING THE SYSTEM

WHEEL SETTING

The wheels are adjustable to cover a range of 60" to 72" wheelings. To adjust the wheel setting lift the machine, slacken the set screw (item 1, fig 3) and slide the the wheel leg (item 2, fig 3) to its new position. Finally re-tighten the set screw (item 1, fig 3). Ensure both wheels are adjusted equally about the centre line of the machine.

The wheel legs (item 2, fig 3) are vertically adjustable to the give conveyor clearance over adjacent untreated beds. To adjust the clearance, lift the machine, slacken the locking tab (item 3, fig 3) and rotate the turnbuckle (item 4, fig 3) until the desired height is reached. Finally re-tighten the locking tabs (item 3, fig 3). Ensure both wheels are adjusted equally.

In some instances it may be necessary to alter the angle of the wheels to avoid contact between the tyres and the main frame. To alter the angle of the wheels, slacken the securing bolt (item 5, fig 3) and with the use of the adjuster (item 6, fig 3) alter the angle of the wheel. Once the desired angle has been reached, re-tighten the adjuster locking nuts and securing bolt.

SAFETY FIRST: WHEN CARRYING OUT WHEEL ADJUSTMENTS, TAKE CARE TO PLACE THE JACK ON FIRM GROUND UNDER A SOLIDPART OF THE MACHINE. BEFORE REMOVING A WHEEL, PLACE A STOUT SUPPORT UNDER THE MACHINE IN CASE THE JACK SHOULD BECOME DISLODGED.

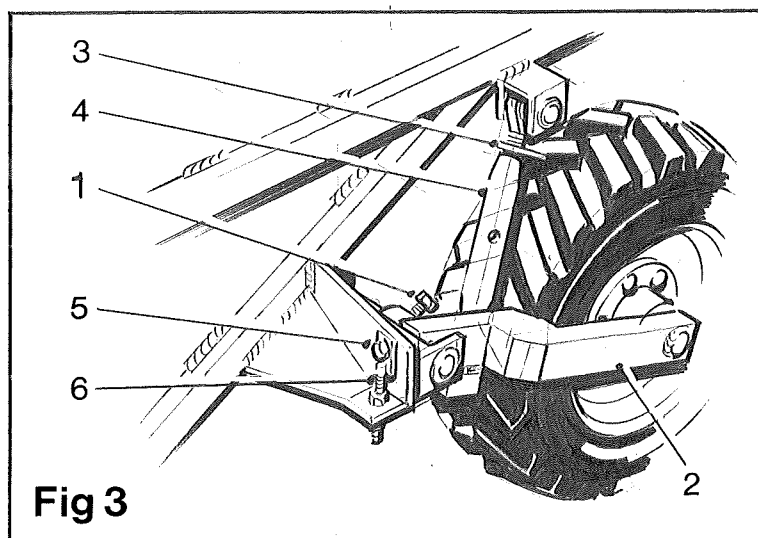


Fig 3

DISC COULTERS AND SHARES

The disc coulters (item 1, fig 4) can be adjusted vertically and horizontally. Ensure that the disc coulters do not come into contact with the tractor tyres.

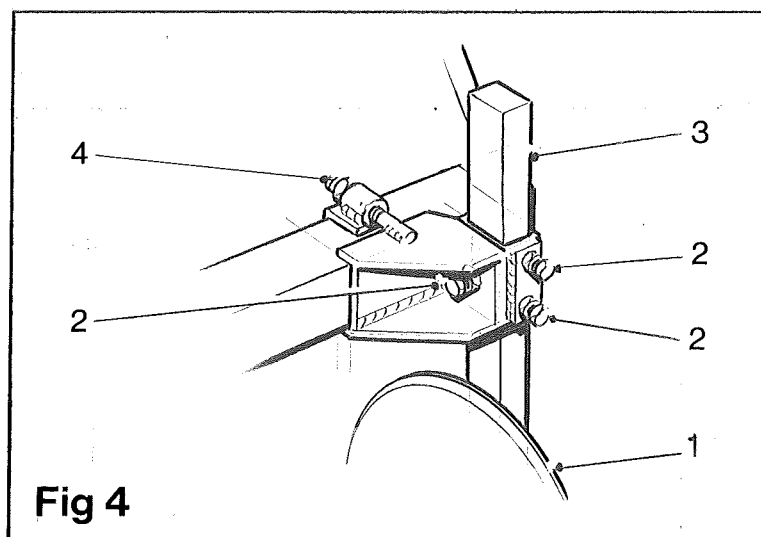


Fig 4

To adjust the disc coulters vertically, loosen the three set screws (item 2, fig 4) and slide the disc arm (item 3, fig 4) to the new position. Re-secure the disc arm by tightening the set screws (item 2, fig 4). To adjust disc coulters horizontally, loosen the clamp nuts (item 4, fig 4) and slide the complete disc coulters unit to the new position. Re-tighten the clamp nuts (item 4, fig 4).

(i) Narrow Setting (60 - 64")

To provide 30" or 32" row widths. When set to this width, the two outside share blades of the seven piece share blade are narrower than that other five and the disc coulters are mounted to suit.

(ii) Wide Setting (68" - 72" beds)

Normally for 68" beds either 30", 32" or 34" rows will be used, and for 72" beds either 32", 34" or 36" rows with smaller row widths offering the opportunity for a larger space between beds into which stone/clod can be deposited. The share blades are all the same width.

TRACTOR FRONT WEIGHTS AND LIFT CAPACITY (Fully mounted version)

A large tractor is usually necessary to ensure adequate lift capacity at the 3 point linkage. Front weights will be needed to counterbalance the machine when raised on the tractor linkage.

GENERAL OPERATING POINTS

(a) Bottom Roller Scrapers

The front bottom rollers have scrapers and canvas deflectors to prevent obstruction. Keep an eye on these and replace when wear renders them ineffective.

(b) Agitators

The agitators are normally positioned just before the drive sprockets for the digger web to give a smooth feed into the digger. However, these can be replaced with plain rollers if required.

(c) Digger Web Slip Clutch Adjustment (Torque Limiter)

The main clutch (item 1, fig 5) is situated behind the chain guard. Adjustment is effected by the 3 hex. head set screws (item 2, fig 5) in the outer ring which is screwed into the main hub. A fractional turn on each screw is usually sufficient if the clutch is slipping for no apparent reason. DO NOT OVER-TIGHTEN. REMEMBER CLUTCHES ARE BUILT IN FOR PROTECTION. ADJUST EVENLY.

(d) Second Web Slip Clutch Adjustment (Torque Limiter)

The second web clutch (item 3, fig 5) is situated behind the chain guard and is adjusted as detailed above.

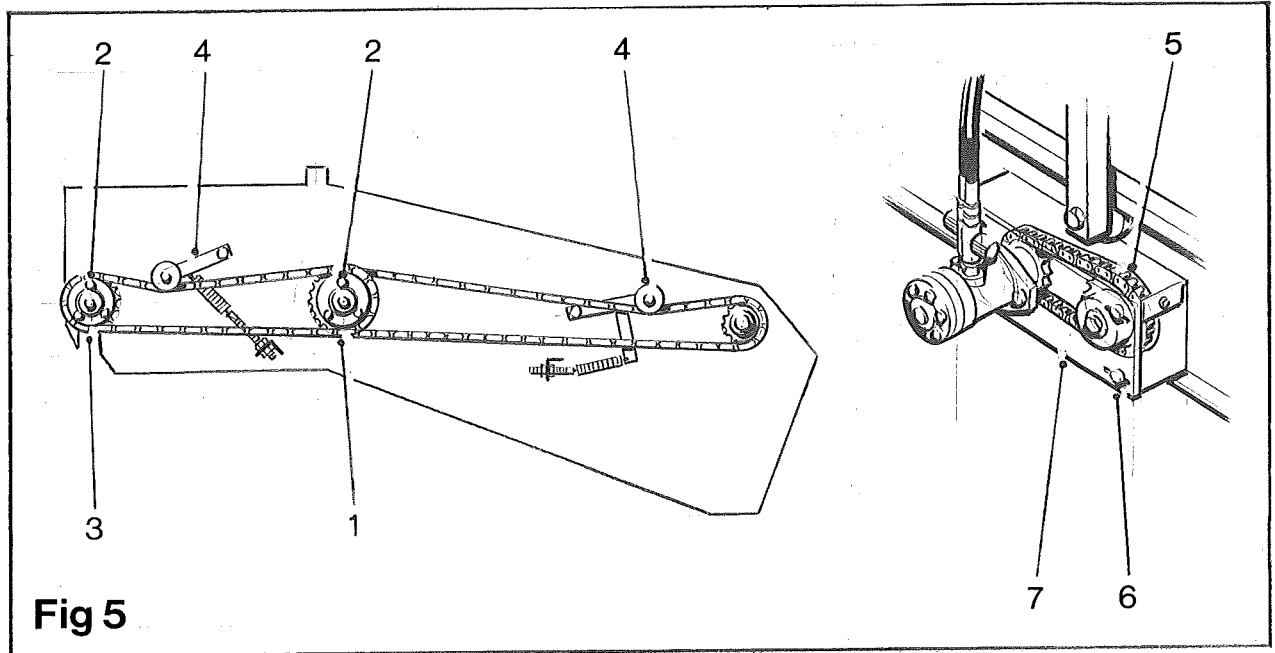
(e) Chain Tensioners

Periodically check that the spring loaded tensioner arms (item 4, fig 5) are moving freely and replace the tensioner rollers when necessary. The cross conveyor drive chain (item 5, fig 5) is adjusted by loosening the four securing bolts (item 6, fig 5) and sliding the motor mounting plate (item 7, fig 5) in the relevant direction.

(f) Scrubber Web

The scrubber web is the same length as the digging web. It may be the same size gap or different to the fitted digger web, depending on the specification requested. If the scrubber web is a different size and is required to be used as the digger web, remember the correct sprockets will also have to be fitted. These are bolted onto the drive shaft with four bolts in each, which, when removed, part in two halves for easy removal and re-fitting.

Note: The scrubber web is fitted the other way up to the digger web.



(g) Cross Conveyor Deflectors (item 6, fig 1)

For accurate placement of stones, the driver must watch the delivery from the end of the cross conveyor and adjust it accordingly. This can vary through the field dependent on the amount of stone, speed of conveyor or slight variation in row widths. However, appropriate setting of the rubber deflectors at each end of the conveyor help this process.

(h) Web Gap

In general terms, stone separation should be done with a web gap equal to that used when harvesting, or smaller if soil conditions allow.

Clod separation is sometimes better approached with a slightly wider gap than on the harvester, on the basis that it keeps the soil more open to take irrigation or rain and any small clods remaining will break before harvest time and therefore stand a good chance of passing through the harvester web.

(i) Depth Control (Fully mounted versions)

For the fully mounted versions, depth control should be controlled by the tractor's 'DRAFT CONTROL', combined with adjustments to the height of the machine's wheels and the top link.

(j) Depth Control (Semi-mounted versions)

'POSITION CONTROL' must be used when the semi-mounted drawbar is fitted. Therefore, when the desired depth is obtained, set the 'STOP' on the tractor position control lever so the same depth can be returned to next time.

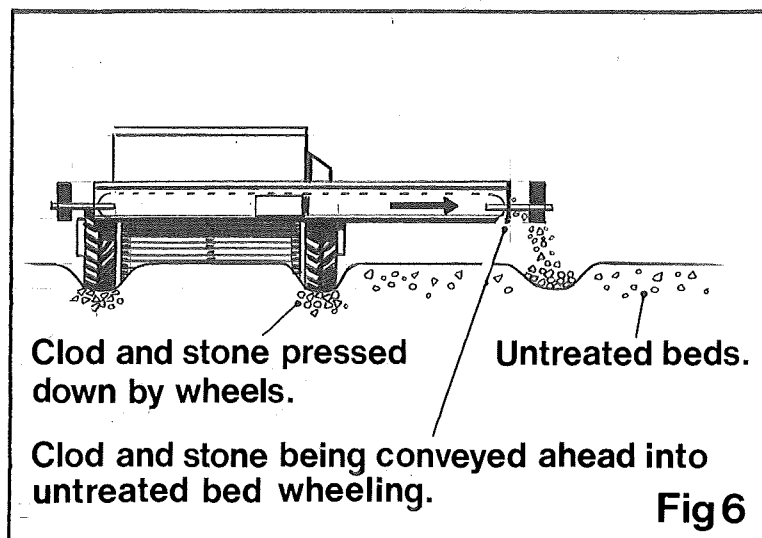
IMPORTANT: BEFORE MAKING HEADLAND TURNS WITH MACHINES FITTED WITH CROSS CONVEYORS, MAKE SURE THE CONVEYOR PROTRUDES INWARDS TO THE DIRECTION OF TURN BEING MADE TO AVOID POSSIBLE CONTACT WITH HEDGES, WALLS, TREES, ETC.

OPERATION OF CLODMASTER IN THE FIELD

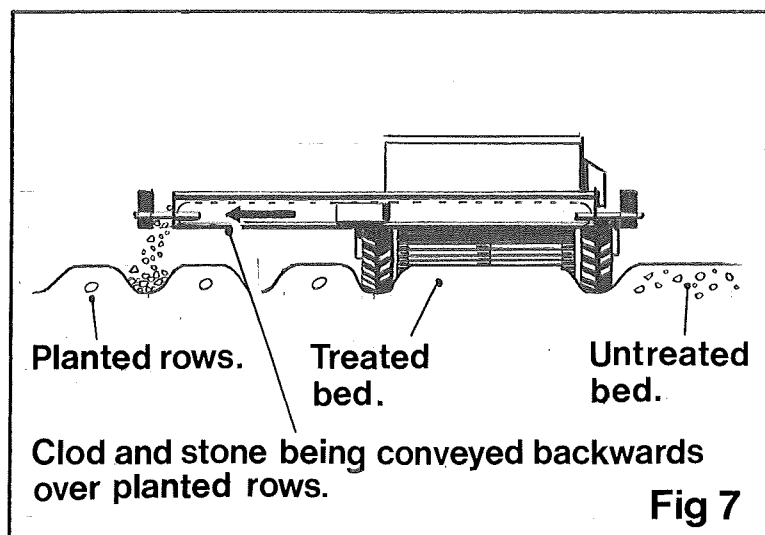
- (a) On completion of the preparation work, lower the Clodmaster on the linkage so that the wheels are in contact with the ground. Now adjust the top link of the tractor so that the front edge of the shares also touch the ground. Using draft control this means the machine is set to dig at approximately the depth of the tractor wheels.
- (b) Draw forward into the end of the bed which is to be treated, lower the machine into its working position and engage the PTO. The tractor engine speed should be set to give approximately 540 rpm at the PTO. However, this can vary with conditions. Select initially a low gear to enable the final adjustment for depth to be made by either lengthening the top link, which lifts the share, or shortening the top link, which lowers the share.
- (c) The scrubber web helps to break up the clods. In some conditions of high clod content, extra weight on the scrubber web may be found advantageous. In lighter conditions it may be desirable to shorten the scrubber web by relocation to an alternative web bar at the front.

- (d) The normal way of operating the cross conveyor in the field is shown in Figures 6 and 7.

As the clods and stones are to be accommodated in the bottom of the wheelings and pressed down by subsequent passes of the tractor wheels, it is usual to convey the stones into the preceding untreated bed wheelings. This allows the Clodmaster to work as far ahead of the planter as required. (see Figure 6).



However, if the stone content is too high for this method it can be 'windrowed' by conveying it across into the wheelings of the previously treated bed. This method requires the planter to keep up behind the machine. (see Figure 7).



MAINTENANCE AND LUBRICATION OF THE CLODMASTER

Only the universal joints on the PTO shafts need daily greasing. However, preventative maintenance in the form of a check around the machine for any signs of premature wear, misalignment, ensuring all rollers etc., are free to rotate, always pays dividends. Clean off any caked on soil inside the digger trough as this will cause drag and premature wear to the digger web and sprockets.

Regular maintenance will ensure that the Standen Clodmaster will provide a long and efficient service life. Depending on soil and weather conditions, maintenance time schedules can vary.

Correct lubrication should be employed to ensure the full life of the various working parts and the efficient operation of the machine.

A general purpose grease should be used for the bearings and universal couplings.

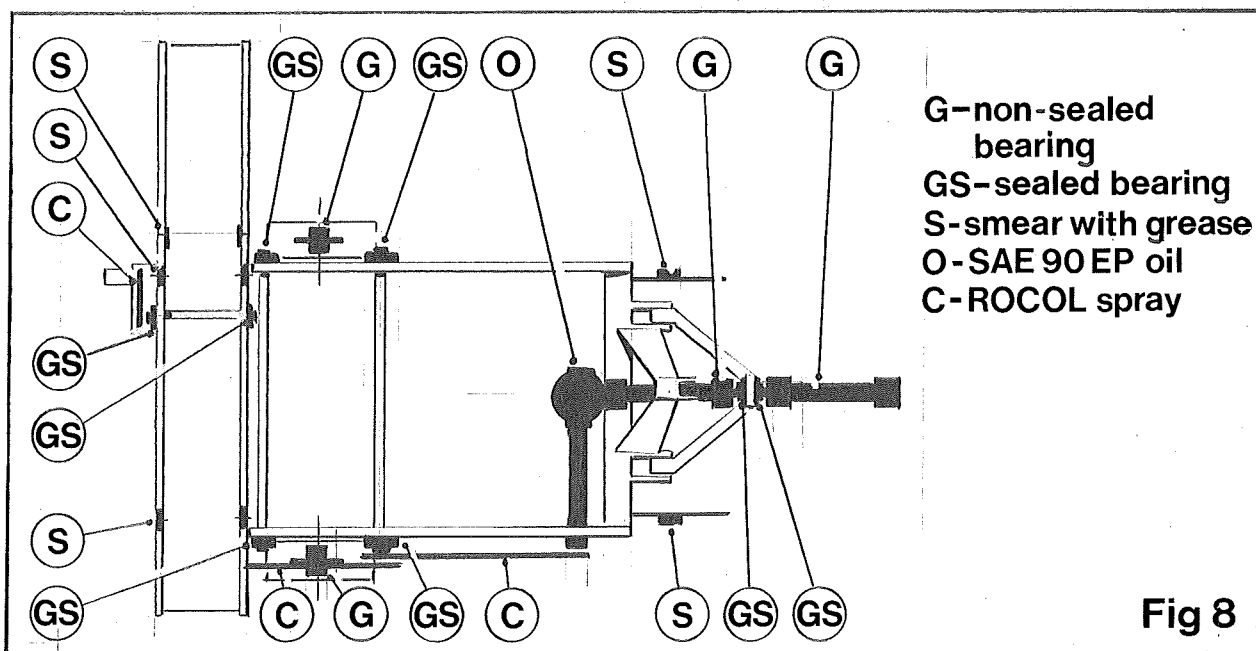
NOTE: With reference to Figure 8 that some of the bearings are sealed pre-lubricated (Ref: GS), care should be taken not to flood these bearings with grease or the seals may burst allowing the grease to escape and dirt to get in. Should this happen, more frequent greasing will be required. When lubricating sealed bearings, only two or three strokes of the grease gun every ten acres is required.

The non-sealed bearings (Ref: G) should be greased at least once a day.

The gearbox (Ref: O) should be checked every 50 hours and topped up with 'SAE 90 EP Oil' as necessary.

Particular care must be taken to ensure that grease or oil does not come into contact with clutch friction discs.

If the machine is not being used the next day, protect the bright working parts such as discs and shares etc., with grease or oil to keep them in the best working condition.



WHEN LAYING UP THE MACHINE AT END OF SEASON

1. Clean machine down thoroughly.
2. Check for any worn parts and order spares in good time.
3. Protect all bright surfaces such as share and discs, with rust preventative or grease.
4. Oil chains or remove and store in suitable liquid (diesel or paraffin).
5. Remove PTO assembly from gearbox shaft and slacken off torque limiter. Store in dry place to prevent corrosion forming on clutch assembly.
6. Grease all bearings.
7. Release spring tension from jockey rollers.
8. Avoid leaving the Clodmaster standing with the front end supported only by the disc coulters.

T E C H N I C A L D A T A

<u>LENGTH</u>	(Fully mounted version)	3.6 M
	(Semi-mounted drawbar version)	4.65 M
<u>WIDTH</u>	(In transport)	2.3 M
	(In work)	3.6 M
<u>HEIGHT</u>	(In transport)	2.15 M
	(In work)	1.4 M
<u>WEIGHT</u>	(Fully mounted version)	1510 kg (1.5 tonnes)
	(Semi-mounted drawbar version)	1595 kg (1.6 tonnes)
<u>TRACTOR HP REQUIREMENT</u>	(Fully mounted version)	85 - 90 HP (Providing there is adequate lift capacity)
	(Semi-mounted drawbar version)	60 HP
<u>HYDRAULIC REQUIREMENT</u>	2 double acting spool valves
	(Cross conveyor motor service requires)	4 - 6 g.p.m.
<u>TYRE SPECIFICATION</u>	700-12 6 Ply
<u>TYRE PRESSURE</u>	28 p.s.i. (2 Bar)
<u>WHEEL NUT TORQUE</u>	87 lbs/ft

STANDEN WINDROWER INSTALLATION

The Standen Clodmaster can be built or converted into a potato windrower. The following describes the operation and adjustments of the additional elements that convert the Clodmaster to a Windrower. This section of the manual must be read in conjunction with the previous pages, as certain elements are the same for both Clodmaster and Windrower.

The Standen Windrower is a trailed potato lifter, lifting either two rows or a bed of potatoes and laying them on the ground. The Windrower has a set of digger shares which lift the potatoes from the ground and transfers them onto the digger web. From the digger web the potatoes are transferred onto a second web. The second web conveys the potatoes to the rear of the machine and finally down onto the ground.

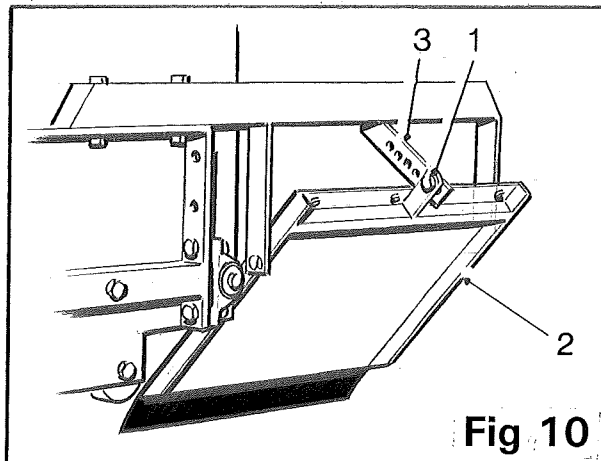
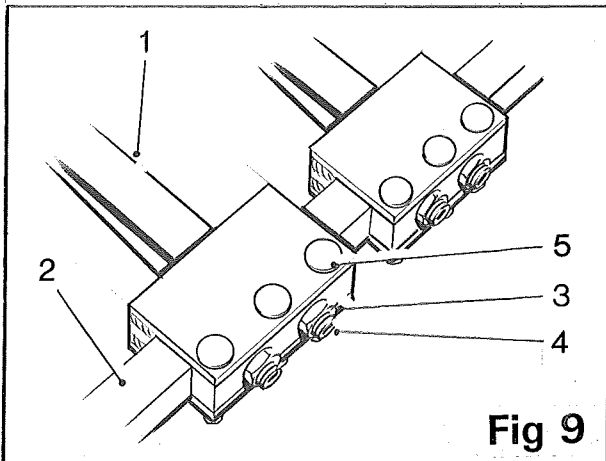
SHARES

The shares are of a quick-attach type which enable the share arm (item 1, fig 9) to be removed without removing the share bar (item 2, fig 9). This allows for easy alteration from row to full width digging.

When working under the machine or if the machine is to be left to stand for any length of time, the Windrower must be lowered onto its wheels at the rear and resting on its disc coulters at the front.

Before carrying out any work on the machine, lower the machine to the ground, switch off the tractor engine, apply the hand brake, remove the ignition key and disconnect the PTO shaft.

To adjust the shares for width, slacken the locknuts (item 3, fig 9) and release the screws (item 4, fig 9). Slacken the mounting bolts (item 5, fig 9), slide the share arm to the required position. Tighten the mounting bolts (item 5, fig 9) and finally re-tighten the screws (item 4, fig 9) and locknuts (item 3, fig 9).



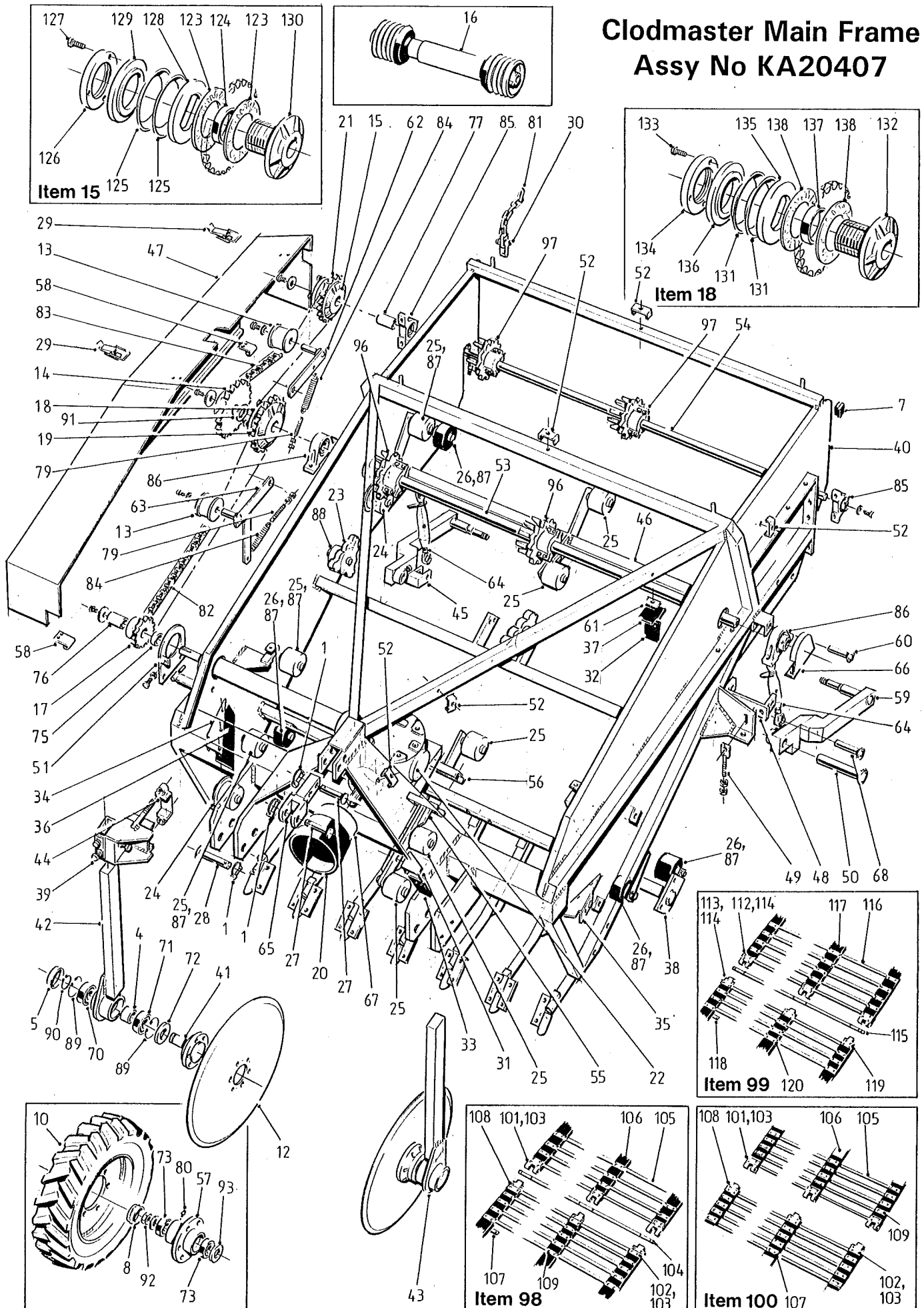
DEFLECTORS

Fitted to the rear of the Windrower are a set of deflectors. These deflectors are designed to guide the potatoes into the desired width windrow. To adjust the width of the windrow, remove the securing bolt (item 1, fig 10), pivot the deflector plate (item 2, fig 10) to the required position and replace the securing bolt into the appropriate hole in the securing bracket (item 3, fig 10).

SECTION 2

EXPLODED PARTS ILLUSTRATIONS

Clodmaster Main Frame Assy No KA20407



CLODMASTER MAIN FRAME

(ASSY. No. KA20407)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
1	10282	Q/RELEASE PIN	4	
2				
3				
4	2000703002	STEEL SPACER	2	
5	2000703003	DUST CAP	2	
6				
7	27159	SQUARE PLASTIC INSERT	2	
8	27841	DUST CAP	2	
9				
10	36043	WHEEL C/W RIM & TYRE	2	
11				
12	KA12107	24"DIAx4"DISC COULTER	2	
13	KA13466	TENSION ROLLER	2	
14	KA15084	38T SPROCKET (50mm BORE)	1	
15	KA15126	TORQUE LIMITER (40mm BORE)	1	(SEE LIST AT END)
16	KA15506	PTO DRIVE SHAFT	1	
17	KA15526	15T SPROCKET (40mm BORE)	1	
18	KA15660	TORQUE LIMITER (50mm BORE)	1	(SEE LIST AT END)
19	KA15661	28T SPROCKET	1	
20	KA15671	PTO GUARD EXTENSION SLEEVE	1	
21	KA15689	25T SPROCKET	1	
22	KA15691	GEARBOX COMPLETE	1	
23	KA16010	AGITATOR ASSEMBLY	3	(3 TRACTION BELT WEBS ONLY)
	KA16010	AGITATOR ASSEMBLY	4	(4 TRACTION BELT WEBS ONLY)
24	KA16021	FLANGED STEEL ROLLER ASSEMBLY(80mmDIA)	4	
25	KA16023	PLAIN STEEL ROLLER ASSEMBLY(80mmDIA)	11	(3 TRACTION BELT WEBS ONLY)
	KA16023	PLAIN STEEL ROLLER ASSEMBLY(80mmDIA)	14	(4 TRACTION BELT WEBS ONLY)
26	KA16038	PLAIN RUBBER ROLLER ASSEMBLY(90mmDIA)	6	
27	KA19054	TOP LINK PIN	2	
28	KA19055	BOTTOM LINK PIN	2	
29	KA19264	CATCH PLATE	2	
30	KA19677	D'SHACKLE	4	
31	KA20201	BOTTOM ROLLER SCRAPER	1	(3 TRACTION BELT WEBS ONLY)
	KA20201	BOTTOM ROLLER SCRAPER	2	(4 TRACTION BELT WEBS ONLY)
32	KA20203	CANVAS SCRAPER	2	
33	KA20210	CANVAS FOR CENTRE ROLLER	1	(3 TRACTION BELT WEBS ONLY)
	KA20210	CANVAS FOR CENTRE ROLLER	2	(4 TRACTION BELT WEBS ONLY)
34	KA20305LH	SCRAPER BRACKET	1	
35	KA20305RH	SCRAPER BRACKET	1	
36	KA20306	CANVAS SCRAPER	2	
37	KA20307	CANVAS SCRAPER	2	
38	KA20310	7 PIECE SHARE BRACKET	1	
39	KA20344	DISC COULTER CARRIER BRACKET	2	
40	KA20398	MAIN FRAME	1	
41	KA20422	DISC SPINDLE	2	
42	KA20423	RH DISC STALK	1	
43	KA20424	LH DISC STALK	1	
44	KA20425	RETAINING CLAMP	2	
45	KA20438	RH AXLE LEG	1	
46	KA20439	CROSS MEMBER	1	

CLODMASTER MAIN FRAME

(ASSY. No. KA20407)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
47	KA20440	MAIN FRAME GUARD	1	
48	KA20441	AXLE PIVOT BRACKET	2	
49	KA20442	AXLE ADJUSTER	2	
50	KA20443	AXLE PIVOT PIN	2	
51	KA20444	GEARBOX SUPPORT	1	
52	KA20445	HYDRAULIC PIPE CLAMP	7	
53	KA20446	DIGGER WEB DRIVE SHAFT	1	
54	KA20447	2nd WEB DRIVE SHAFT	1	
55	KA20448	FRONT CENTRE ROLLER SUPPORT	1	(3 TRACTION BELT WEBS ONLY)
	KA20448	FRONT CENTRE ROLLER SUPPORT	2	(4 TRACTION BELT WEBS ONLY)
56	KA20449	REAR CENTRE ROLLER SUPPORT	1	(3 TRACTION BELT WEBS ONLY)
	KA20449	REAR CENTRE ROLLER SUPPORT	2	(4 TRACTION BELT WEBS ONLY)
57	KA20450	AXLE HUB	2	
58	KA20451	HINGE	2	
59	KA20452	LH AXLE LEG	1	
60	KA20453	AXLE PIN (SHORT)	2	
61	KA20454	SCRAPER CLAMP	2	
62	KA20455	JOCKEY ARM	1	
63	KA20456	JOCKEY ARM	1	
64	KA20457	ADJUSTABLE LINK STAY	2	
65	KA20458	TOP LINK EXTENSION	1	(USED WITHOUT DRAWBAR ONLY)
66	KA20459	BEARING SHIELD	1	
67	KA20460	PTO COVER	1	
68	KA20463	AXLE PIN (LONG)	2	
69				
70	6009	BEARING	2	
71	6009RS	BEARING	2	
72	6009ZJV	NILOS RING	2	
73	6206RS	BEARING	4	
74				
75	A14	PLASTIC SPACER	1	
76	A50	PLASTIC SPACER	1	
77	A90	PLASTIC SPACER	1	
78				
79	BM212AM	SPRING TENSIONER	2	
80	GS412	GREASE NIPPLE	2	
81	GS506/8	LINK CHAIN	4	
82	PS429/112	1"DRIVE CHAIN	1	
83	PS871/121	¾"DRIVE CHAIN	1	
84	RH80	SPRING	2	
85	SL40A	BEARING	2	
86	SL50	BEARING	2	
87	SS030017/030	STEEL SPACER	12	
88	SS050017/050	STEEL SPACER	2	
89	W0116	INTERNAL CIRCLIP	4	
90	W0117	EXTERNAL CIRCLIP	2	
91	SS060052/005	STEEL SPACER	1	
92	02041024	LOCKNUT	2	
93	38x62x10	SEALING RING		
94				

CLODMASTER MAIN FRAME

(ASSY. No. KA20407)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
95				
96	KA16360	36mm PITCH WEB SPROCKET	3	- (3 TRACTION BELT WEBS ONLY)
	KA16313	42mm PITCH WEB SPROCKET	3	
	KA16314	45mm PITCH WEB SPROCKET	3	
	KA16315	50mm PITCH WEB SPROCKET	3	
	KA16360	36mm PITCH WEB SPROCKET	4	- (4 TRACTION BELT WEBS ONLY)
	KA16313	42mm PITCH WEB SPROCKET	4	
	KA16314	45mm PITCH WEB SPROCKET	4	
	KA16315	50mm PITCH WEB SPROCKET	4	
97	KA16016	36mm PITCH WEB SPROCKET	3	
	KA16009	42mm PITCH WEB SPROCKET	3	
	KA16015	50mm PITCH WEB SPROCKET	3	
98	KA11214	36mm PITCH DIGGER WEB ASSEMBLY	1	- (3 TRACTION BELT WEBS ONLY)
	KA11215	42mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11216	45mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11217	50mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11251	36mm PITCH DIGGER WEB ASSEMBLY	1	- (4 TRACTION BELT WEBS ONLY)
	KA11252	42mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11253	45mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11254	50mm PITCH DIGGER WEB ASSEMBLY	1	
99	KA11240	36mm PITCH 2nd STAGE WEB ASSEMBLY	1	
	KA11241	42mm PITCH 2nd STAGE WEB ASSEMBLY	1	
	KA11243	50mm PITCH 2nd STAGE WEB ASSEMBLY	1	
100	KA11214	36mm PITCH SCRUBBER WEB ASSEMBLY	1	- (3 TRACTION BELT WEBS ONLY)
	KA11215	42mm PITCH SCRUBBER WEB ASSEMBLY	1	
	KA11216	45mm PITCH SCRUBBER WEB ASSEMBLY	1	
	KA11217	50mm PITCH SCRUBBER WEB ASSEMBLY	1	
	KA11251	36mm PITCH SCRUBBER WEB ASSEMBLY	1	- (4 TRACTION BELT WEBS ONLY)
	KA11252	42mm PITCH SCRUBBER WEB ASSEMBLY	1	
	KA11253	45mm PITCH SCRUBBER WEB ASSEMBLY	1	
	KA11254	50mm PITCH SCRUBBER WEB ASSEMBLY	1	
(ITEM 98 & 100) (3 & 4 TRACTION BELT)DIGGER WEB AND SCRUBBER WEB ASSEMBLIES CONSIST OF:-				
101	KA16111	36mm PITCH FEMALE CONNECTOR	3	- (3 TRACTION BELT WEBS ONLY)
	KA16114	42mm PITCH FEMALE CONNECTOR	3	
	KA16117	45mm PITCH FEMALE CONNECTOR	3	
	KA16120	50mm PITCH FEMALE CONNECTOR	3	
	KA16111	36mm PITCH FEMALE CONNECTOR	4	- (4 TRACTION BELT WEBS ONLY)
	KA16114	42mm PITCH FEMALE CONNECTOR	4	
	KA16117	45mm PITCH FEMALE CONNECTOR	4	
	KA16120	50mm PITCH FEMALE CONNECTOR	4	

CLODMASTER MAIN FRAME

(ASSY. No. KA20407)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
102	KA16110	36mm PITCH MALE CONNECTOR	3	-(3 TRACTION BELT WEBS ONLY)
	KA16113	42mm PITCH MALE CONNECTOR	3	
	KA16116	45mm PITCH MALE CONNECTOR	3	
	KA16119	50mm PITCH MALE CONNECTOR	3	
	KA16110	36mm PITCH MALE CONNECTOR	4	-(4 TRACTION BELT WEBS ONLY)
	KA16113	42mm PITCH MALE CONNECTOR	4	
	KA16116	45mm PITCH MALE CONNECTOR	4	
	KA16119	50mm PITCH MALE CONNECTOR	4	
103	KA16112	36mm PITCH 4 HOLE BACKPLATE	6	-(3 TRACTION BELT WEBS ONLY)
	KA16115	42mm PITCH 4 HOLE BACKPLATE	6	
	KA16118	45mm PITCH 4 HOLE BACKPLATE	6	
	KA16121	50mm PITCH 4 HOLE BACKPLATE	6	
	KA16112	36mm PITCH 4 HOLE BACKPLATE	8	-(4 TRACTION BELT WEBS ONLY)
	KA16115	42mm PITCH 4 HOLE BACKPLATE	8	
	KA16118	45mm PITCH 4 HOLE BACKPLATE	8	
	KA16121	50mm PITCH 4 HOLE BACKPLATE	8	
104	KA16206	JOINING BAR (11mmDIA)	1	-(3 TRACTION BELT WEBS ONLY)
	KA16208	JOINING BAR (11mmDIA)	1	-(4 TRACTION BELT WEBS ONLY)
105	KA16204	36mm PITCH WEB BAR (12mmDIA)	88	-(3 TRACTION BELT WEBS ONLY)
	KA16204	42mm PITCH WEB BAR (12mmDIA)	77	
	KA16204	45mm PITCH WEB BAR (12mmDIA)	71	
	KA16204	50mm PITCH WEB BAR (12mmDIA)	64	
	KA16209	36mm PITCH WEB BAR (12mmDIA)	88	-(4 TRACTION BELT WEBS ONLY)
	KA16209	42mm PITCH WEB BAR (12mmDIA)	77	
	KA16209	45mm PITCH WEB BAR (12mmDIA)	71	
	KA16209	50mm PITCH WEB BAR (12mmDIA)	64	
106	KA16090	36mm PITCH WEB BELT (PER METRE)	3	-(3 TRACTION BELT WEBS ONLY)
	KA16091	42mm PITCH WEB BELT (PER METRE)	3	
	KA16092	45mm PITCH WEB BELT (PER METRE)	3	
	KA16093	50mm PITCH WEB BELT (PER METRE)	3	
	KA16090	36mm PITCH WEB BELT (PER METRE)	4	-(4 TRACTION BELT WEBS ONLY)
	KA16091	42mm PITCH WEB BELT (PER METRE)	4	
	KA16092	45mm PITCH WEB BELT (PER METRE)	4	
	KA16093	50mm PITCH WEB BELT (PER METRE)	4	
107	KA16048	BACKPLATE FOR WEB BAR	A/R	
108	KA16059	CONNECTOR RIVET M5x35	A/R	
109	KA16047	WEB BAR RIVET M5x20	A/R	
110				
111				

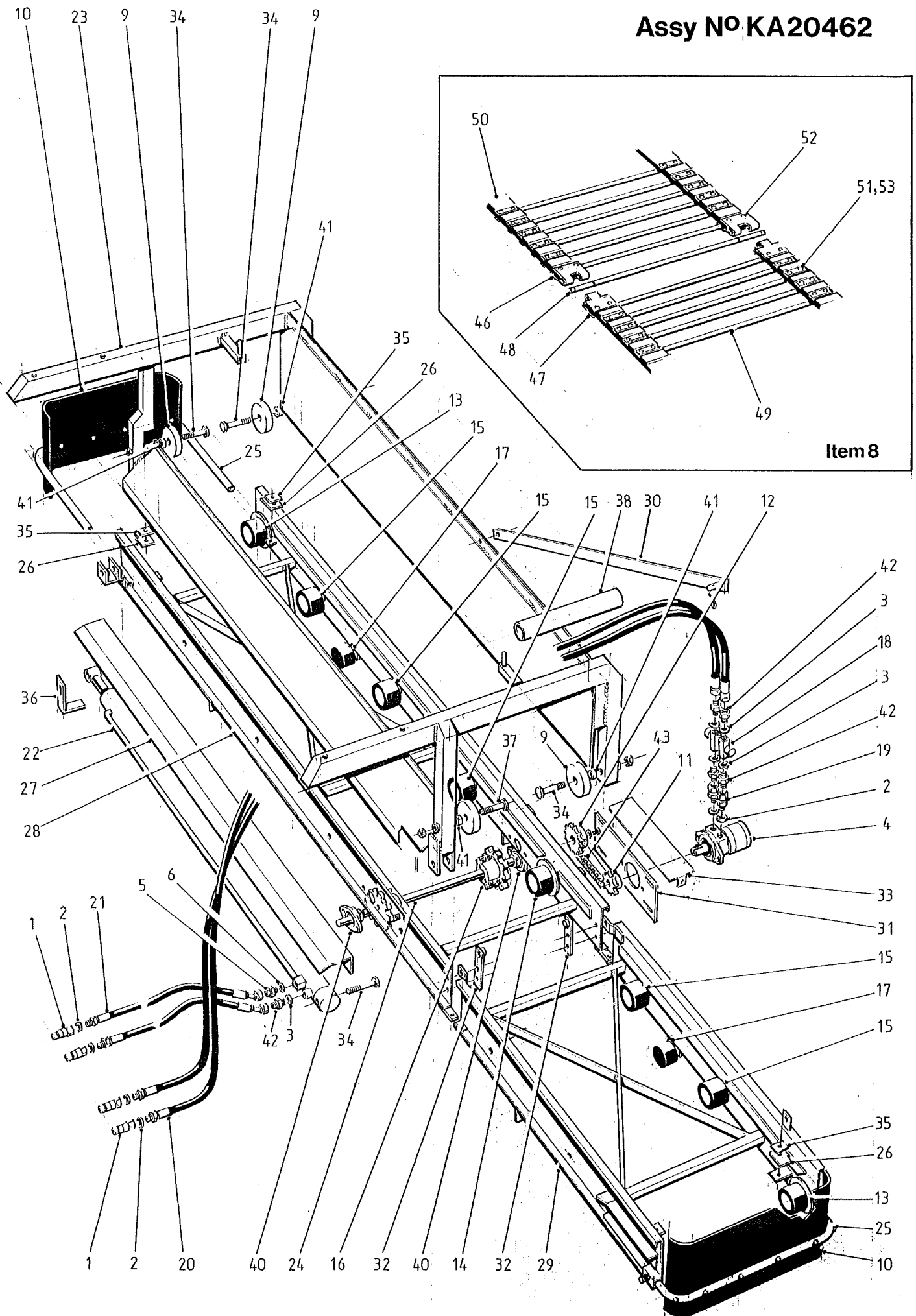
CLODMASTER MAIN FRAME

(ASSY. No. KA20407)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
	(ITEM 99) 2nd STAGE WEB ASSEMBLY CONSISTS OF:-			
112	KA16111	36mm PITCH FEMALE CONNECTOR	3	
	KA16114	42mm PITCH FEMALE CONNECTOR	3	
	KA16120	50mm PITCH FEMALE CONNECTOR	3	
113	KA16110	36mm PITCH MALE CONNECTOR	3	
	KA16113	42mm PITCH MALE CONNECTOR	3	
	KA16119	50mm PITCH MALE CONNECTOR	3	
114	KA16112	36mm PITCH 4 HOLE BACKPLATE	6	
	KA16115	42mm PITCH 4 HOLE BACKPLATE	6	
	KA16121	50mm PITCH 4 HOLE BACKPLATE	6	
115	KA16206	JOINING BAR (11mmDIA)	1	
116	KA16204	36mm PITCH WEB BAR (12mmDIA)	51	
	KA16204	42mm PITCH WEB BAR (12mmDIA)	43	
	KA16204	50mm PITCH WEB BAR (12mmDIA)	36	
117	KA16090	36mm PITCH WEB BELT (PER METRE)	3	
	KA16091	42mm PITCH WEB BELT (PER METRE)	3	
	KA16093	50mm PITCH WEB BELT (PER METRE)	3	
118	KA16048	BACKPLATE FOR WEB BAR	A/R	
119	KA16059	CONNECTOR RIVET M5x35	A/R	
120	KA16047	WEB BAR RIVET M5x20	A/R	
121				
122				
	KA15126	(ITEM 15)TORQUE LIMITER (40mmBORE) CONSISTS OF:-		
123	KA15128	FRICTION FACING	2	
124	KA15129	BUSH	1	
125	KA15680	DISC SPRING	2	
126	KA15682	ADJUSTMENT RING	1	
127	KA15683	PRESSURE SETSCREW	3	
128	KA15685	PRESSURE PLATE	1	
129	KA15687	PILOT PLATE	1	
130	KA15688	INTEGRAL HUB AND PRESSURE PLATE	1	
	KA15660	(ITEM 18)TORQUE LIMITER (50mm BORE) CONSISTS OF:-		
131	KA15124	DISC SPRING	2	
132	KA15664	INTEGRAL HUB AND PRESSURE PLATE	1	
133	KA15665	PRESSURE SETSCREW	3	
134	KA15681	ADJUSTMENT RING	1	
135	KA15684	PRESSURE PLATE	1	
136	KA15686	PILOT PLATE	1	
137	KA15697	BUSH	1	
138	KA15698	FRICTION FACING	2	

Cross Conveyor Assembly

Assy N^o KA20462



CROSS CONVEYOR ASSEMBLY

(ASSY. No. KA20462)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
1	10140	Q/RELEASE COUPLING	4	(SEE LIST AT END)
2	11124	½" BSP DOWTY SEAL	6	
3	11125	¾" BSP DOWTY SEAL	5	
4	11201	HYDRAULIC MOTOR	1	
5	11336	¼" BSP x ¾" BSP MALE MALE ADAPTOR	1	
6	11337	¼" BSP DOWTY SEAL	1	
7				
8	KA11235	28mm PITCH CROSS CONVEYOR WEB	1	
9	KA13105	NYLON ROLLER	4	
10	KA13200	RUBBER DEFLECTOR	2	
11	KA15091	14T SPROCKET	1	
12	KA15101	23T SPROCKET	1	
13	KA16027	FLANGED RUBBER ROLLER(90mm DIA, WIDE)	4	
14	KA16029	FLANGED RUBBER ROLLER(90mm DIA, NARROW)	2	
15	KA16031	PLAIN RUBBER ROLLER(90mm DIA)	10	
16	KA16312	28mm PITCH WEB SPROCKET	2	
17	KA16338	PLAIN RUBBER ROLLER(75mm DIA)	4	
18	KA17102	¾" BSP RESTRICTOR VALVE	2	
19	KA17325	½" BSP MALE x ¾" BSP FEM ADAPTOR	2	
20	KA17411	¾" HOSE ASSEMBLY (192" LONG)	2	
21	KA17412	¾" HOSE ASSEMBLY (156" LONG)	2	
22	KA17415	DOUBLE ACTING HYDRAULIC RAM	1	
23	KA20263	CONVEYOR CRADLE	1	
24	KA20265	DRIVE SHAFT	1	
25	KA20282	DEFLECTOR TUBE	2	
26	KA20307	CANVAS FOR SCRAPER	4	
27	KA20358	RAM SHIELD	1	
28	KA20400	MAIN CONVEYOR	1	
29	KA20401	EXTENSION CONVEYOR	1	
30	KA20402	TRANSPORT STRAP	1	
31	KA20403	MOTOR MOUNTING PLATE	1	
32	KA20406	EXTENSION CONVEYOR PIVOT	2	
33	KA20418	DRIVE GUARD	1	
34	KA20419	ROLLER SPINDLE (SHORT)	4	
35	KA20420	CLAMP PLATE	4	
36	KA20421	RAM SUPPORT	1	
37	KA20461	ROLLER SPINDLE (LONG)	1	
38	KA20464	HYDRAULIC PIPE COVER	1	
39				
40	SFT 25A	BEARING	2	
41	SS025017/015	STEEL SPACER	4	
42	UC 31A	¾" BSP MALE MALE ADAPTOR	5	
43	W0644/37	DRIVE CHAIN	1	
44				
45				
	KA11235	(ITEM 8) 28mm PITCH CROSS CONVEYOR WEB CONSISTS OF:-		
46	KA16122	28mm PITCH FEM CONNECTOR	2	
47	KA16123	28mm PITCH MALE CONNECTOR	2	
48	KA16076	JOINING BAR (9mm DIA)	1	

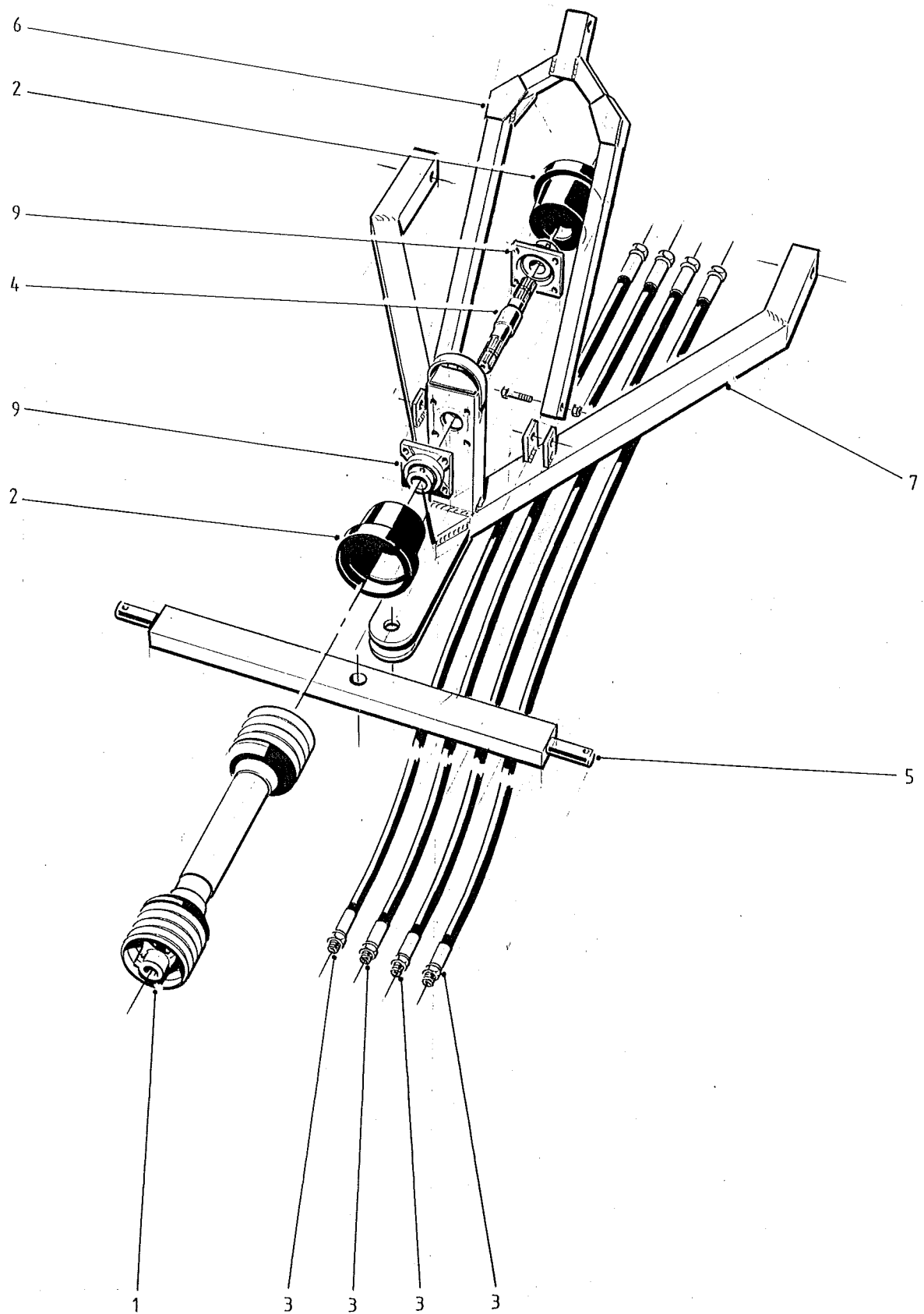
CROSS CONVEYOR ASSEMBLY

(ASSY. No. KA20462)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
49	KA16078	WEB BAR (9mmDIA)	244	
50	KA16108	28mm PITCH WEB BELT (PER METRE)	2	
51	KA16049	BACKPLATE FOR WEB BAR	A/R	
52	KA16059	CONNECTOR RIVET M5x35	A/R	
53	KA16047	WEB BAR RIVET M5x20	A/R	

Semi-mounted Drawbar Assembly

Assy N°KA20417



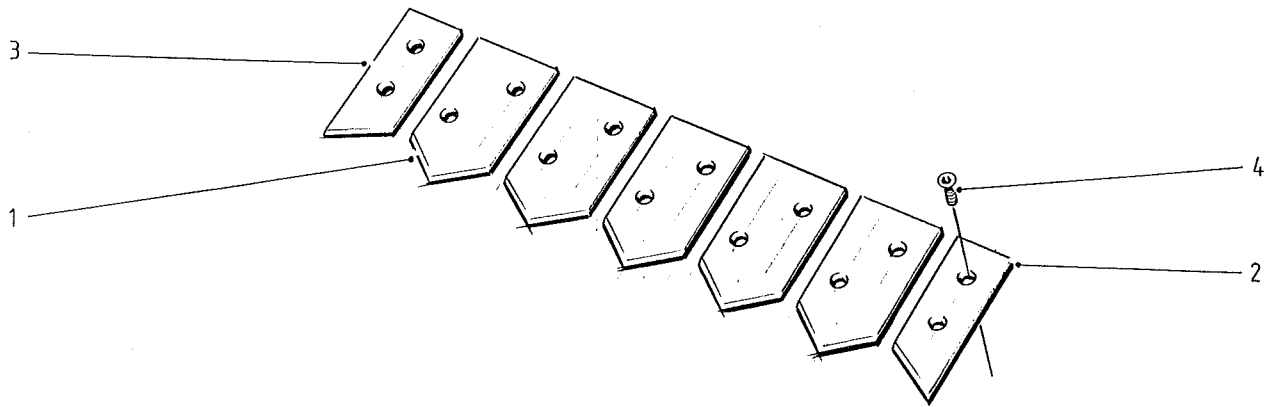
SEMI-MOUNTED DRAWBAR ASSEMBLY

(ASSY. No. KA20417)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
1	KA15506	PTO DRIVE SHAFT	1	
2	KA15668	PTO GUARD CONE	2	
3	KA17413	¾"HOSE ASSEMBLY (48"LONG)	4	
4	KA20431	SPLINED INPUT SHAFT	1	
5	KA20432	LIFT BAR	1	
6	KA20433	TOP LINK	1	
7	KA20434	DRAWBAR	1	
8				
9	SF 35A	BEARING	2	

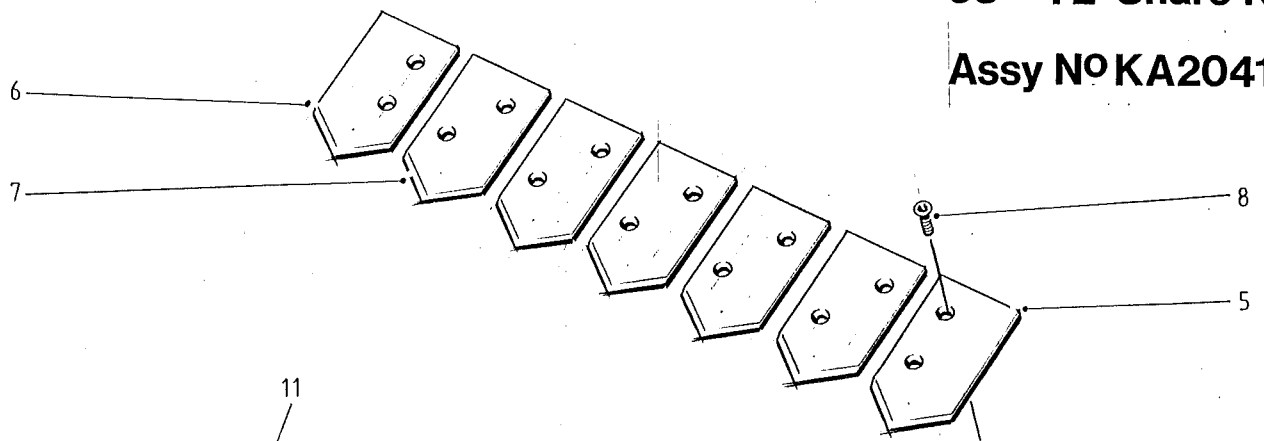
60"-64" Share Kit

Assy N° KA20415



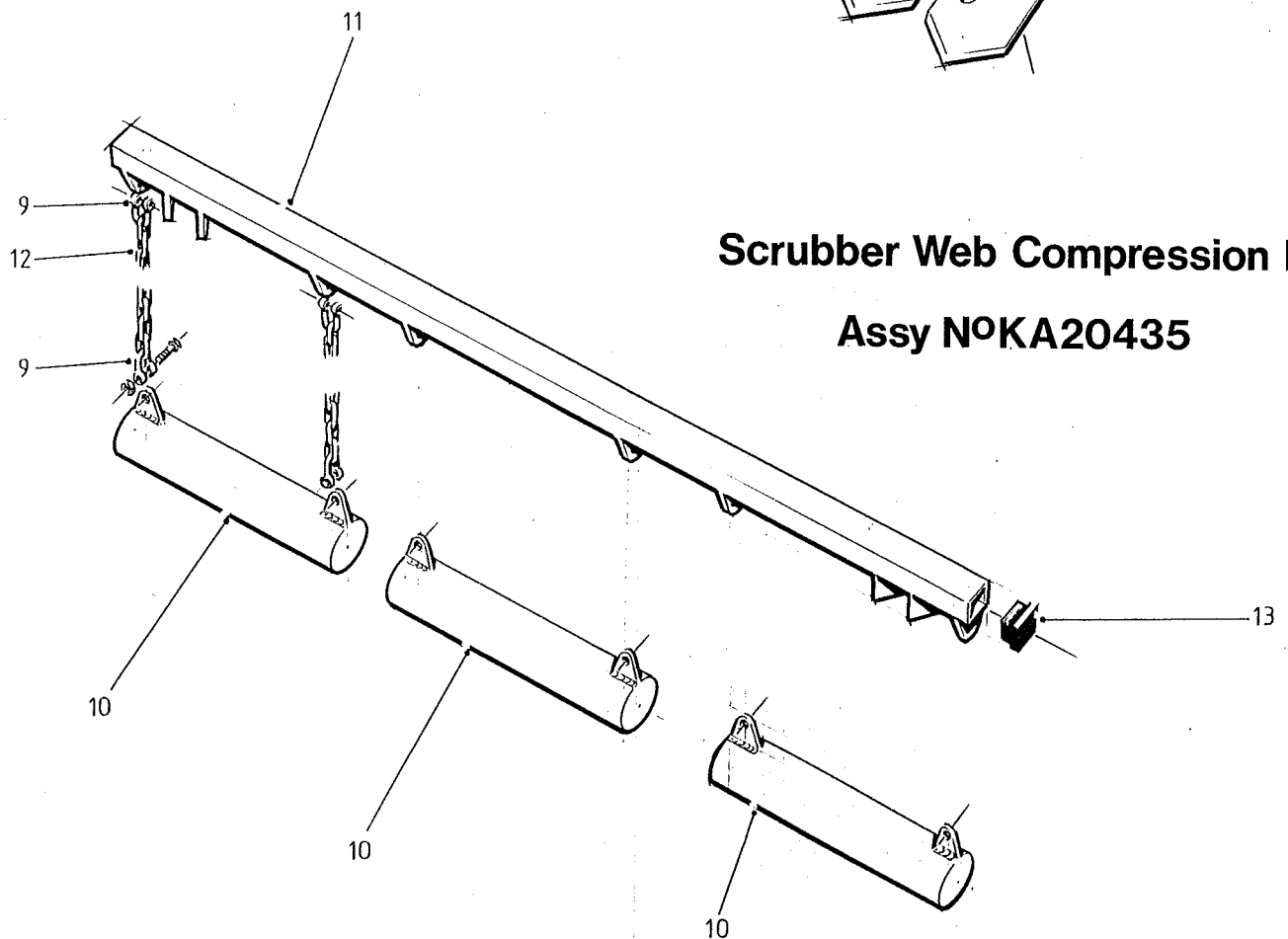
68"-72" Share Kit

Assy N° KA20416



Scrubber Web Compression Kit

Assy N° KA20435

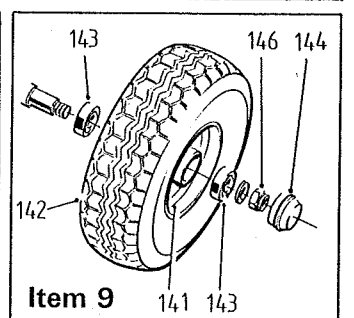
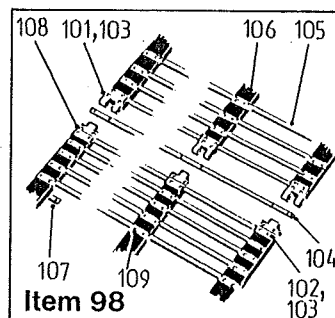
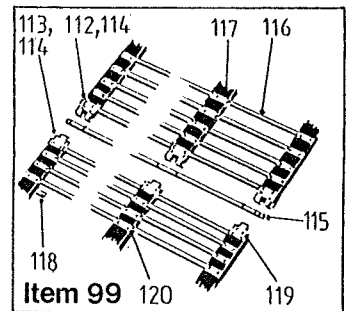
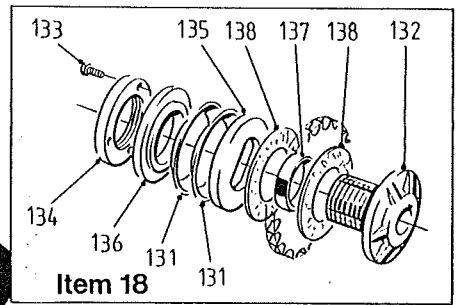


60"-64"BED SHARE KIT
68"-72"BED SHARE KIT
SCRUBBER WEB COMPRESSION KIT

(ASSY. No. KA20415)
(ASSY. No. KA20416)
(ASSY. No. KA20435)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
	KA20415	60"-64"BED SHARE ASSEMBLY CONSISTS OF:-		(OPTIONAL)
1	KA12626	SHARE BLADE	5	
2	KA12627	LH HALF SHARE BLADE	1	
3	KA12629	RH HALF SHARE BLADE	1	
4	KA19489	M12x25 SHARE BLADE BOLT	14	
	KA20416	68"-72"BED SHARE ASSEMBLY CONSISTS OF:-		(OPTIONAL)
5	KA12622	LH SINGLE BLADE (WIDE)	1	
6	KA12623	RH SINGLE BLADE (WIDE)	1	
7	KA12626	SHARE BLADE	5	
8	KA19489	M12x25 SHARE BLADE BOLT	14	
	KA20435	SCRUBBER WEB COMPRESSION KIT CONSISTS OF:-		(OPTIONAL)
9	H 171	SHACKLE	12	
10	KA20436	COMPRESSION WEIGHT	3	
11	KA20437	HANGER BEAM	1	
12	PS 519/10	LINK CHAIN	6	
13	REK 033	END CAP	2	

Diagram illustrating the assembly of a timing belt system, showing components numbered 123 through 130. The components include a timing belt (123), a timing belt tensioner (124), a timing belt guide (125), a timing belt pulley (126), a timing belt cover (127), a timing belt cover gasket (128), a timing belt cover bracket (129), and a timing belt cover nut (130).



WINDROWER MAIN FRAME

(ASSY. No. KA20508)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
1	10282	Q/RELEASE PIN	4	
2	KA20528	RUBBER BLOCK BRACKET	2	
3	KA20520	DEFLECTOR RUBBER	2	
4	2000703002	STEEL SPACER	2	
5	2000703003	DUST CAP	2	
6	27159	SQUARE PLASTIC INSERT	2	
7	KA20523	LH DEFLECTOR PANEL	1	
8	KA20524	RH DEFLECTOR PANEL	1	
9	KA10214	WHEEL COMPLETE	2	(SEE LIST AT END)
10	KA20519	RUBBER INFILL	2	
11	KA20527	RUBBER BLOCK INFILL	2	
12	KA12107	24"DIAx $\frac{1}{4}$ "DISC COULTER	2	
13	KA13466	TENSION ROLLER	2	
14	KA15084	38T SPROCKET (50mm BORE)	1	
15	KA15126	TORQUE LIMITER (40mm BORE)	1	(SEE LIST AT END)
16	KA15506	PTO DRIVE SHAFT	1	
17	KA15526	15T SPROCKET (40mm BORE)	1	
18	KA15660	TORQUE LIMITER (50mm BORE)	1	(SEE LIST AT END)
19	KA15661	28T SPROCKET	1	
20	KA15671	PTO GUARD EXTENSION SLEEVE	1	
21	KA15689	25T SPROCKET	1	
22	KA15691	GEARBOX COMPLETE	1	
23				
24	KA16021	FLANGED STEEL ROLLER ASSEMBLY(80mmDIA)	4	
25	KA16023	PLAIN STEEL ROLLER ASSEMBLY(80mmDIA)	14	(3 TRACTION BELT WEBS ONLY)
	KA16023	PLAIN STEEL ROLLER ASSEMBLY(80mmDIA)	17	(4 TRACTION BELT WEBS ONLY)
26	KA16038	PLAIN RUBBER ROLLER ASSEMBLY(90mmDIA)	6	
27	KA19054	TOP LINK PIN	2	
28	KA19055	BOTTOM LINK PIN	2	
29	KA19264	CATCH PLATE	2	
30	KA20521	LH DEFLECTOR FRAME	1	
31	KA20201	BOTTOM ROLLER SCRAPER	1	(3 TRACTION BELT WEBS ONLY)
	KA20201	BOTTOM ROLLER SCRAPER	2	(4 TRACTION BELT WEBS ONLY)
32	KA20203	CANVAS SCRAPER	2	
33	KA20210	CANVAS FOR CENTRE ROLLER	1	(3 TRACTION BELT WEBS ONLY)
	KA20210	CANVAS FOR CENTRE ROLLER	2	(4 TRACTION BELT WEBS ONLY)
34	KA20305LH	SCRAPER BRACKET	1	
35	KA20305RH	SCRAPER BRACKET	1	
36	KA20306	CANVAS SCRAPER	2	
37	KA20307	CANVAS SCRAPER	2	
38	KA20510	SHARE BAR	1	
39	KA20344	DISC COULTER CARRIER BRACKET	2	
40	KA20525	WINDROWER MAIN FRAME	1	
41	KA20422	DISC SPINDLE	2	
42	KA20423	RH DISC STALK	1	
43	KA20424	LH DISC STALK	1	
44	KA20425	RETAINING CLAMP	2	
45	KA20512	RH AXLE LEG	1	
46	KA20439	CROSS MEMBER	1	

WINDROWER MAIN FRAME

(ASSY. No. KA20508)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
47	KA20516	MAIN FRAME GUARD	1	
48	KA20441	AXLE PIVOT BRACKET	2	
49	KA20442	AXLE ADJUSTER	2	
50	KA20443	AXLE PIVOT PIN	2	
51	KA20444	GEARBOX SUPPORT	1	
52	KA20522	RH DEFLECTOR FRAME	1	
53	KA20446	DIGGER WEB DRIVE SHAFT	1	
54	KA20447	2nd WEB DRIVE SHAFT	1	
55	KA20448	FRONT CENTRE ROLLER SUPPORT	1	(3 TRACTION BELT WEBS ONLY)
	KA20448	FRONT CENTRE ROLLER SUPPORT	2	(4 TRACTION BELT WEBS ONLY)
56	KA20449	REAR CENTRE ROLLER SUPPORT	1	(3 TRACTION BELT WEBS ONLY)
	KA20449	REAR CENTRE ROLLER SUPPORT	2	(4 TRACTION BELT WEBS ONLY)
57	KA20514	17T SPROCKET	2	
58	KA20451	HINGE	2	
59	KA20511	LH AXLE LEG	1	
60	KA20453	AXLE PIN (SHORT)	2	
61	KA20454	SCRAPER CLAMP	2	
62	KA20455	JOCKEY ARM	1	
63	KA20456	JOCKEY ARM	1	
64	KA20457	ADJUSTABLE LINK STAY	2	
65	KA20458	TOP LINK EXTENSION	1	(USED WITHOUT DRAWBAR ONLY)
66	KA20459	BEARING SHIELD	1	
67	KA20460	PTO COVER	1	
68	KA20463	AXLE PIN (LONG)	2	
69	KA35004	LOCKING COLLAR	4	
70	6009	BEARING	2	
71	6009RS	BEARING	2	
72	6009ZJV	NILOS RING	2	
73	6206 2RS	BEARING	2	
74				
75	A14	PLASTIC SPACER	1	
76	A50	PLASTIC SPACER	1	
77	A90	PLASTIC SPACER	1	
78				
79	BM212AM	SPRING TENSIONER	2	
80				
81				
82	PS429/112	1"DRIVE CHAIN	1	
83	PS871/134	¾"DRIVE CHAIN	1	
84	RH80	SPRING	2	
85	SL40A	BEARING	2	
86	SL50	BEARING	2	
87	SS030017/030	STEEL SPACER	15	
88	SS050017/050	STEEL SPACER	1	
89	W0116	INTERNAL CIRCLIP	4	
90	W0117	EXTERNAL CIRCLIP	2	
91	SS060052/005	STEEL SPACER	1	
92	W0168	INTERNAL CIRCLIP	2	
93				
94				

WINDROWER MAIN FRAME

(ASSY. No. KA20508)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
95				
96	KA16324	32mm PITCH WEB SPROCKET	3	{ (3 TRACTION BELT WEBS ONLY)
	KA16360	36mm PITCH WEB SPROCKET	3	
	KA16313	42mm PITCH WEB SPROCKET	3	
	KA16314	45mm PITCH WEB SPROCKET	3	
	KA16315	50mm PITCH WEB SPROCKET	3	
	KA16360	36mm PITCH WEB SPROCKET	4	{ (4 TRACTION BELT WEBS ONLY)
	KA16313	42mm PITCH WEB SPROCKET	4	
	KA16314	45mm PITCH WEB SPROCKET	4	
	KA16315	50mm PITCH WEB SPROCKET	4	
97	KA16016	36mm PITCH WEB SPROCKET	3	
	KA16009	42mm PITCH WEB SPROCKET	3	
	KA16015	50mm PITCH WEB SPROCKET	3	
98	KA11219	32mm PITCH DIGGER WEB ASSEMBLY	1	{ (3 TRACTION BELT WEBS ONLY)
	KA11214	36mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11215	42mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11216	45mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11217	50mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11251	36mm PITCH DIGGER WEB ASSEMBLY	1	{ (4 TRACTION BELT WEBS ONLY)
	KA11252	42mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11253	45mm PITCH DIGGER WEB ASSEMBLY	1	
	KA11254	50mm PITCH DIGGER WEB ASSEMBLY	1	
99	KA11240	36mm PITCH 2nd STAGE WEB ASSEMBLY	1	
	KA11241	42mm PITCH 2nd STAGE WEB ASSEMBLY	1	
	KA11243	50mm PITCH 2nd STAGE WEB ASSEMBLY	1	
100	(ITEM 98) (3 & 4 TRACTION BELT) DIGGER WEB ASSEMBLIES CONSISTS OF:-			
101	KA16143	32mm PITCH CONNECTOR (F'TYPE)	3	{ (3 TRACTION BELT WEBS ONLY)
	KA16111	36mm PITCH FEMALE CONNECTOR	3	
	KA16114	42mm PITCH FEMALE CONNECTOR	3	
	KA16117	45mm PITCH FEMALE CONNECTOR	3	
	KA16120	50mm PITCH FEMALE CONNECTOR	3	
	KA16111	36mm PITCH FEMALE CONNECTOR	4	{ (4 TRACTION BELT WEBS ONLY)
	KA16114	42mm PITCH FEMALE CONNECTOR	4	
	KA16117	45mm PITCH FEMALE CONNECTOR	4	
	KA16120	50mm PITCH FEMALE CONNECTOR	4	
102	KA16143	32mm PITCH CONNECTOR (F'TYPE)	3	{ (3 TRACTION BELT WEBS ONLY)
	KA16110	36mm PITCH MALE CONNECTOR	3	
	KA16113	42mm PITCH MALE CONNECTOR	3	
	KA16116	45mm PITCH MALE CONNECTOR	3	
	KA16119	50mm PITCH MALE CONNECTOR	3	

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(ASSY. No. KA20508)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
103	KA16110	36mm PITCH MALE CONNECTOR	4	[(4 TRACTION BELT WEBS ONLY)
	KA16113	42mm PITCH MALE CONNECTOR	4	
	KA16116	45mm PITCH MALE CONNECTOR	4	
	KA16119	50mm PITCH MALE CONNECTOR	4	
	KA16112	36mm PITCH 4 HOLE BACKPLATE	6	[(3 TRACTION BELT WEBS ONLY)
	KA16115	42mm PITCH 4 HOLE BACKPLATE	6	
	KA16118	45mm PITCH 4 HOLE BACKPLATE	6	
	KA16121	50mm PITCH 4 HOLE BACKPLATE	6	
	KA16112	36mm PITCH 4 HOLE BACKPLATE	8	[(4 TRACTION BELT WEBS ONLY)
	KA16115	42mm PITCH 4 HOLE BACKPLATE	8	
	KA16118	45mm PITCH 4 HOLE BACKPLATE	8	
	KA16121	50mm PITCH 4 HOLE BACKPLATE	8	
	KA16229	JOINING BAR (11mm DIA FOR F'TYPE CON)	1	[(3 TRACTION BELT WEBS ONLY)
	KA16206	JOINING BAR (11mmDIA)	1	
	KA16208	JOINING BAR (11mmDIA)	1	
105	KA16205	32mm PITCH WEB BAR (11mmDIA)	100	[(3 TRACTION BELT WEBS ONLY)
	KA16204	36mm PITCH WEB BAR (12mmDIA)	88	
	KA16204	42mm PITCH WEB BAR (12mmDIA)	77	
	KA16204	45mm PITCH WEB BAR (12mmDIA)	71	
	KA16204	50mm PITCH WEB BAR (12mmDIA)	64	
	KA16209	36mm PITCH WEB BAR (12mmDIA)	88	[(4 TRACTION BELT WEBS ONLY)
	KA16209	42mm PITCH WEB BAR (12mmDIA)	77	
	KA16209	45mm PITCH WEB BAR (12mmDIA)	71	
	KA16209	50mm PITCH WEB BAR (12mmDIA)	64	
106	KA16142	32mm PITCH WEB BELT (PER METRE)	3	[(3 TRACTION BELT WEBS ONLY)
	KA16090	36mm PITCH WEB BELT (PER METRE)	3	
	KA16091	42mm PITCH WEB BELT (PER METRE)	3	
	KA16092	45mm PITCH WEB BELT (PER METRE)	3	
	KA16093	50mm PITCH WEB BELT (PER METRE)	3	
	KA16090	36mm PITCH WEB BELT (PER METRE)	4	[(4 TRACTION BELT WEBS ONLY)
	KA16091	42mm PITCH WEB BELT (PER METRE)	4	
	KA16092	45mm PITCH WEB BELT (PER METRE)	4	
	KA16093	50mm PITCH WEB BELT (PER METRE)	4	
107	KA16048	BACKPLATE FOR WEB BAR	A/R	
108	KA16059	CONNECTOR RIVET M5x35	A/R	
109	KA16047	WEB BAR RIVET M5x20	A/R	
110				
111				

WINDROWER MAIN FRAME

(ASSY. No. KA20508)

ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
(ITEM 99) 2nd STAGE WEB ASSEMBLY CONSISTS OF:-				
112	KA16111	36mm PITCH FEMALE CONNECTOR	3	
	KA16114	42mm PITCH FEMALE CONNECTOR	3	
	KA16120	50mm PITCH FEMALE CONNECTOR	3	
113	KA16110	36mm PITCH MALE CONNECTOR	3	
	KA16113	42mm PITCH MALE CONNECTOR	3	
	KA16119	50mm PITCH MALE CONNECTOR	3	
114	KA16112	36mm PITCH 4 HOLE BACKPLATE	6	
	KA16115	42mm PITCH 4 HOLE BACKPLATE	6	
	KA16121	50mm PITCH 4 HOLE BACKPLATE	6	
115	KA16206	JOINING BAR (11mmDIA)	1	
116	KA16204	36mm PITCH WEB BAR (12mmDIA)	51	
	KA16204	42mm PITCH WEB BAR (12mmDIA)	43	
	KA16204	50mm PITCH WEB BAR (12mmDIA)	36	
117	KA16090	36mm PITCH WEB BELT (PER METRE)	3	
	KA16091	42mm PITCH WEB BELT (PER METRE)	3	
	KA16093	50mm PITCH WEB BELT (PER METRE)	3	
118	KA16048	BACKPLATE FOR WEB BAR	A/R	
119	KA16059	CONNECTOR RIVET M5x35	A/R	
120	KA16047	WEB BAR RIVET M5x20	A/R	
121				
122				
KA15126 (ITEM 15)TORQUE LIMITER (40mmBORE) CONSISTS OF:-				
123	KA15128	FRICTION FACING	2	
124	KA15129	BUSH	1	
125	KA15680	DISC SPRING	2	
126	KA15682	ADJUSTMENT RING	1	
127	KA15683	PRESSURE SETSCREW	3	
128	KA15685	PRESSURE PLATE	1	
129	KA15687	PILOT PLATE	1	
130	KA15688	INTEGRAL HUB AND PRESSURE PLATE	1	
KA15660 (ITEM 18)TORQUE LIMITER (50mm BORE) CONSISTS OF:-				
131	KA15124	DISC SPRING	2	
132	KA15664	INTEGRAL HUB AND PRESSURE PLATE	1	
133	KA15665	PRESSURE SETSCREW	3	
134	KA15681	ADJUSTMENT RING	1	
135	KA15684	PRESSURE PLATE	1	
136	KA15686	PILOT PLATE	1	
137	KA15697	BUSH	1	
138	KA15698	FRICTION FACING	2	

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ITEM No.	PART No.	DESCRIPTION	QTY	REMARKS
	KA10214	(ITEM 9) WHEEL COMPLETE CONSISTS OF:-		
141	KA10214/1	WHEEL RIM	1	
142	KA10214/2	6.00x9x6PLY TYRE	1	
143	KA10216	BEARING	2	(LYC 80206)
144	KA10217	DUST CAP	1	
145				
146	22041020	M20 LOCKNUT	1	
147				
		SHARES CONSISTS OF:-		
148	27880	SHARE BLADE RH (WIDE)	2	
149	27881	SHARE BLADE LH (WIDE)	2	
150	27882	PIVOT BAR (WIDE)	4	
151	KA 20546	SHARE ARM	6	
152	42116	JACKING STRIP	6	
153	42373	SPECIAL WASHER	18	
154				
155	0000204105	PIVOT BAR (NARROW)	2	
156	0000204106	TIP PLATE	20	
157	0000205200	SHARE BLADE (NARROW)	2	
158				
159	22014012/075	M12x75 CUP SQUARE BOLT	18	
160	22018016/040	M16x40 SOCKET HEAD SETSCREW	12	
161	22034016	M16 HALF NUT	12	
162	22041012	M12 LOCKNUT	18	
163	22083012/040	SHARE BOLT	18	