REESE AGRI

INDEX

STANDARD DRUM MOWER RANGE

Operating and Maintenance Instructions

INTRODUCTION

The Reese Mower is a 3 point linkage mounted machine designed with simplicity, versatility and robustness as the initial criteria. To achieve this, complex components such as gears, castings and moving parts have been avoided or controlled to the absolute minimum. The ability to windrow or spread the cut crop (by means of an optional spreader) is an option not generally available on drum mowers. Cutting height is readily adjustable from 25-100mm (1"-4") and the total belt drive has an added advantage especially when cutting under light conditions where back-lash in a rigid type drive is damaging. There are three (3) different cutting widths, 1.60 m (5'3"), 2.07 m (6'9") and 2.40 m (8').

Dear Valued Owner,

Congratulations and thank you. You have just made an excellent investment.

Your new Reese Mower has been designed and engineered to give years of dependable service. Every consideration has been taken to incorporate the latest technology, thus ensuring optimum performance is achieved, whilst retaining our company desire to produce user friendly, low maintenance solutions.

It has often been said "when all else fails-read the operators manual" and to ensure you get the best from your new Reese Mower it is very important that you thoroughly read through the entire contents of the manual. Please also pay attention to the maintenance recommendations, understand the hydraulic system and consider the design features and their specific functionality.

If your new mower is maintained to a high standard and used as per this operator's manual you should be rewarded with many years of quality service.

Your local dealer carries an extensive range of genuine Reese spare parts and consumables that also have been engineered to provide long service and life. It is important that only genuine parts are used on your mower. We give you our commitment that we will support this machine with spare parts backup for well beyond its designed life.

Thank you for making your investment in our expertise.

Yours Sincerely,

Ross Simpson
Rob Baan

Directors
Reese Agri

TO THE OWNER AND OPERATOR

Your UFO Mower has been carefully designed and manufactured to give you years of dependable service. To keep it running efficiently, read and follow the instructions in this operator's manual. Any questions you may have that are not covered in this manual should be referred to your dealer:

Dealers Name: _____
Address: _____
Phone No: Business: _____ Private: _____
Date of Purchase: _____
Model: _____ Serial Number: _____

WARRANTY

The warranty card on your UFO Mower is included with this manual. Please ensure that the registration card is correctly filled in.

The owner must ensure the dealer, upon delivery of the machine, has completed the **WARRANTY REGISTRATION CARD**. This must be signed by the owner and returned to the factory promptly. **Failure to carry out this function could nullify warranty claim opportunities against the factory in the future**. Warranty claims will only be accepted for registered products.

Indemnity from liability is a complex subject. Our indemnity makes it clear that we are not liable for any claim lodged for breakdown, delays or machine down time or any other contingency involving the use of our equipment. In all these circumstances the user can take precautionary measures to ensure that none of theses problems occur – like having on-hand spare parts at the local dealer.

ORDERING PARTS AND ACCESSORIES

When ordering spare parts, quote the model and serial number of the drill and use the UFO Mower part numbers given in the parts section. Reference to the right hand and left hand is taken from behind in the direction of travel.

technical specifications	1600	2070W	2400
CUTTING WIDTH	1.60 metres (5'3")	2.07 metres (6'9")	2.4 metres (8'0")
NUMBER OF DRUMS	2	2	2
NUMBER OF DOUBLE EDGED BLADES	6	6	8
POWER REQUIREMENT (at 540 rpm)	from 30 HP	from 45 HP	from 65 HP
DRUM rpm	2000	1600	1200
TRACTOR LINKAGE	Cat I or II	Cat I or II	Cat II
HEIGHT ADJUSTMENT	25-100mm (1"- 4")	25-100mm (1"- 4")	25-100mm (1"- 4")
WEIGHT	390kg (850lbs)	460kg (1010lbs)	580kg (1275lbs)
WINDROW SPREADER	Optional for all models.		
ROTOR STONE GUARDS	All models optional in NZ. Standard elsewhere.		
TOPPING SKIRT	Optional for all models.		

ASSEMBLY

This mower has been factory tested and partially disassembled for packaging. Adjustments other than those associated with initial assembly as listed below will not be necessary.

1. Ensure that the machine serial number printed on each of the crates is the same. Double check that the serial numbers on the two parts of mower frame are matched.
2. Connect each half of the frame together using the pivot pin Item No. 55. Ensure the pin head lines up with the stop to prevent pin turning. The thick washer should be fitted with the concave surface downwards and the nyloc nut tightened sufficiently to clamp the pivot clevis plates yet enable the machine to be swung into transport position.
3. Fit the white skid to the skid leg at the height required. The upper hole of the pair in the skid when aligned with the lowest hole in the skid leg, gives a cutting height of 100mm (4"). In this position only it is possible to fit a second bolt to ensure skid rigidity.
4. Fit the two vee belts as outlined in maintenance. Turn the vee pulleys by hand for 1/2 turn (top of the pulley towards far end of machine), and ensure drums counter rotate so as to feed the cut crop through the centre. Belts should run freely and not rub on any part of the machine.
5. Fit the white idler pulley cover with bolts provided.
6. Reposition the L.H. lower hitch plate as shown in the parts diagram.
7. Fit the wheel assembly with the four (4) bolts provided.

NB In New Zealand the machine may be supplied assembled.

TRANSPORT

TO TRANSPORT POSITION:

Where fitted, move the sliding block on the L.H. hitch plate to the forward position. Remove the transport pin (item 23) and with the mower just clear of the ground, fold the machine behind the tractor. Replace the transport pin.

WHEN SPREADER IS FITTED:

Secure the spreader belt so it cannot drag on the ground.

TO WORK POSITION:

Reverse the procedure to that above but care must be taken to ensure belts take up the correct position relative to the vee pulleys.

SERVICING

DANGER

ROTATING PARTS

This machine is PTO driven. Ensure that machine has stopped and PTO is secured to prevent inadvertant engagement before making adjustments or carrying out maintenance.

CAUTION

All hydraulically elevated equipment must be supported or lowered to the ground when servicing to prevent accidental lowering which may result in personal injury.

THE FOLLOWING SCHEDULE IS RECOMMENDED FOR AVERAGE FARM SITUATIONS. FOR LARGER HOLDINGS OR UNDER CONTRACTING CONDITIONS THE ANNUAL SERVICING MAY NEED TO BE CARRIED OUT MORE FREQUENTLY.

REFER TO LUBRICATION POINT CHART >>>>>>

PRIOR TO INITIAL USE:

1. Grease all points:
   - mower pivot pin 2 points
   - input bearing housing 1 point
   - wheel pivot 1 point
   - drive shaft (UJ) 2 points
   - drive shaft cover bearing 2 points
2. Grease
   (a) L.H. lower hitch plate
   (b) PTO Shaft sliding member (after checking driveshaft length - see mounting instructions)
3. Oil
   Apply a few drops of oil to all bolts and threaded adjustors.
4. Check tyre for inflation (50 PSI)

DAILY

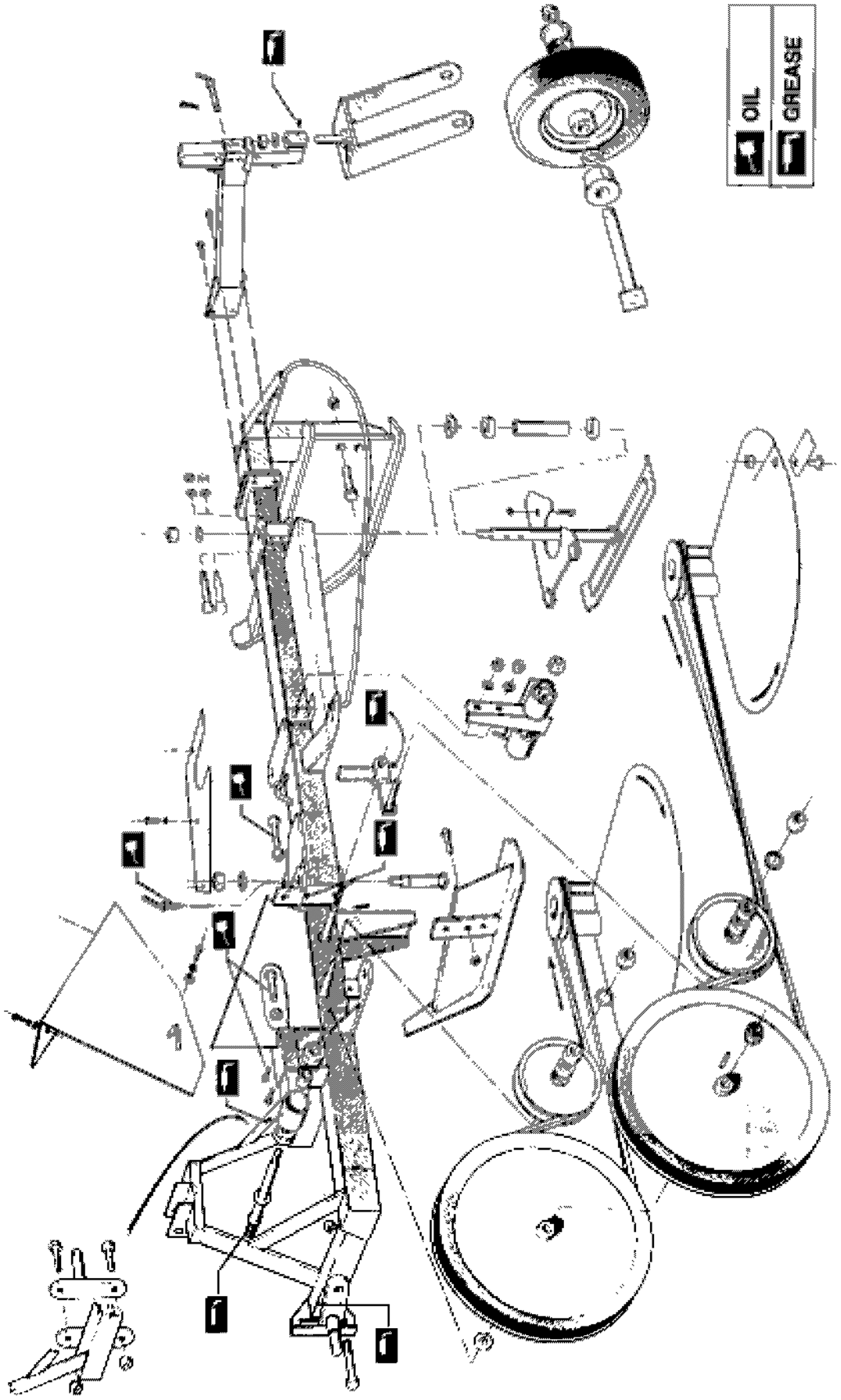
1. Grease:
   - Input bearing housing 1 point
   - PTO universal joints 2 points
2. Check blades for wear and sharpness.
3. Check belts for tension - see maintenance.
4. Check for early signs of drums bearing wear by simply lifting the edge of each drum and observing any movement.

WEEKLY

1. Grease:
   - mower pivot pin 2 points
   - PTO cover bearings 2 points
   - wheel pivot 1 point
   - PTO shaft sliding member
   - L.H. lower hitch plate
2. Check tyre for correct inflation (50 PSI)
3. Check all nuts and adjustments for tightness, paying particular attention to the 1" UNF nut attaching the main vee pulleys.
   Mower pivot nut should be as tight as practical but still allow the machine to be swung into transport position.

ANNUALLY

1. Perform all operations listed in "Prior to Initial Use" servicing.
2. Check all rotating components for smooth free rotation.
3. Check nuts and adjustment for tightness.
4. Check vee belts for obvious damage or wear.
5. Grease the bell crank
   pivot boss (Item 58) 1 point


OIL
GREASE

MAINTENANCE

DANGER

ROTATING PARTS

Personal injury may be caused - ensure the area close to this machine is clear of people and obstacles before setting into operation.

CAUTION

All hydraulically elevated equipment must be supported or lowered to the ground when servicing to prevent accidental lowering which may result in personal injury.

STORAGE IS THE KEY FACTOR IN THE MAINTENANCE REQUIREMENTS OF ALL MACHINERY.

IT IS RECOMMENDED THAT THIS MACHINE:

1. Be stored under cover.
2. Be stored in a folded (transport) condition so that belts are not under tension.
3. Be cleared of grass and dirt which will accelerate corrosion.
4. Have rubber based components (tyres and belts) protected from strong sunlight.

The Reese Mower is of simple construction and maintenance is in accordance with general engineering practices. The following hints are offered:

1. FITTING A SET OF VEE BELTS

(a) Study the exploded view parts drawing for direction of drum rotation and belt travel.

(b) Release lock screws (item 53) and belt adjusters (item 66 and 67).

(c) Remove access panel (item 11) and the belt guard (item 59).

(d) With mower partly folded, fit the short belt per the illustration.

(e) Place the long belt over the drum into the vee, pull belt straight to the right of the mower to remove twists and then slide it through the tunnel and fit over the drive pulley. Straighten the mower and check the vee belts are not fouling on any part of the machine and drums rotate in the correct direction when vee pulleys are turned by hand.

Note: On 2400 model the belt support mechanism (item 71) has to be removed before the long belt can be fitted.

(f) Refit the access panel and outer drum belt guards.

2. BELT TENSION ADJUSTMENT

Belts should be operated as loosely as practical but sufficiently tight to avoid excessive belt flap and slippage.

Adjust belts in the following order:

(a) Short vee belt closest the tractor to the inner drum by belt tensioner screw, item 66.

(b) Long vee belt to the outer drum by belt tensioner screw, item 67.

Note: Adjustment of the short belt affects the tension on the long belt. It may be necessary to slacken the long belt.

3. REPLACEMENT OF DRUM BEARINGS

(a) Remove vee belt from the main vee pulleys and ensure they are clear of the drum vee pulley.

(b) Remove the 1" Nyloc Spindle Nut and thick washer.

(c) Remove the two 31/2" x 1/2" spindle bolts.

(d) Lift the mower and support both ends.

(e) Drive the drum spindle down through the spindle clevis plates using a piece of tube as a thread protector. The drum and spindle will drop clear of the machine body.

(f) Support the drum in 2 or 3 places approximately 500mm (20") above the ground (on 20 litre (5 gal) drums as a suggestion).

(g) Drive the spindle through the drum using the thread protector as in (e) above.

(h) Remove the bearings from the drum tube by using a suitable drift (500 mm (20") of 25 mm (1") rod).

(i) Fit new bearings after ascertaining that the bearing surfaces and spacer tube are undamaged.

(j) Reassemble the machine in the reverse order.

NOTE CAREFULLY: Ensure the drum skid is fitted the correct way i.e. skid projects further beyond the drum edge at the rear of the machine. Tighten the 1" spindle nut (using a 750mm (30") extension tube on the wrench) before tightening the two spindle lock bolts.

HINT: If at any time both drums are removed, refit them in opposite position (inner drum into outer position etc). Drums will each rotate in opposite directions and double their life.

BALANCE

Drums have been balanced and drum repair which involves welding must be done with care to preserve this situation. An unbalanced drum may cause excessive damage to the mower.

4. SKIDS

The wear plate fitted to the white skid may be replaced. It is a high tensile abrasion resistant steel and should be welded with high tensile mig wire or low hydrogen rods.

MOUNTING INSTRUCTIONS

IMPORTANT
TO ACHIEVE OPTIMUM RESULTS IT IS NECESSARY THAT MOUNTING INSTRUCTIONS ARE COMPLIED WITH.

1. Attach the tractor linkage to the mower.
2. Transport the mower to a level area and swing it into operating position.
3. Adjust the white skids to the required cutting height. (Top hole of the pair of holes in each skid to the top hole in the skid leg is normal low mowing height - 25mm or (1"). When fitted adjust the wheel height so that the front edge of each drum is the same height from the ground.
4. With the tractor top link loose, adjust the linkage arms so the L.H. hitch plate (floating link), sliding block retracted, is parallel to the ground. This allows maximum ground contour following either up or down.
5. Adjust the tractor top link to a neutral position where it is neither under tension or compression. Wind the link inwards just sufficient to remove the slack.
6. Adjust the lower link sway bars, chains or guide blocks so the mower top link is in line with the centre of the tractor.
7. Fit the PTO shaft to the 540 RPM tractor PTO output; free wheel device to the implement end. Remove the tractor drawbar if there is a likelihood it may foul the PTO shaft cover.

CAUTION

All hydraulically elevated equipment must be supported or lowered to the ground when servicing to prevent accidental lowering which may result in personal injury.

Note: It is important that the PTO shaft is of correct length and does not bottom out or separate when in use. An additional 50mm (2") extension will occur in the event of the shear bolt break-away system being activated.

When the mower is being set at topping height or an outer skid replacement wheel is being used, it may be necessary to measure and set the height from the ground, each of the under rotor skids. This is achieved by adjustment of the top link. In all cases, the under rotor skids should be parallel to the ground.

OPERATION

DANGER

ROTATING PARTS

Personal injury may be caused - ensure the area close to this machine is clear of people and obstacles before setting into operation.

CAUTION

When moving the machine into transport or work position the outer end may suddenly drop approximately 250mm (10").

Keep legs and feet clear.

1. Ensure the machine has been serviced and mounted as per the instructions.
2. Swing the machine into operating position.
3. Rotate the main vee pulleys 1/2 turn by hand in the normal operating direction and visually note that belts are not twisted or misaligned with the idler pulleys. Drums must counter rotate to feed the cut crop rearwards in a central windrow.
4. Lift the mower on the 3 point linkage just sufficient to clear the cutting blades from dense crop.
5. Engage tractor PTO gradually and accelerate to 540 RPM.

   Note: It is important to maintain a minimum of 540 PTO RPM at all times when mowing. Below this will give a ragged cut and consume additional power.

6. Mow around the field in a clockwise direction at a speed which is comfortable to operate. Use the tractor hand throttle to maintain constant revs.

CAUTION

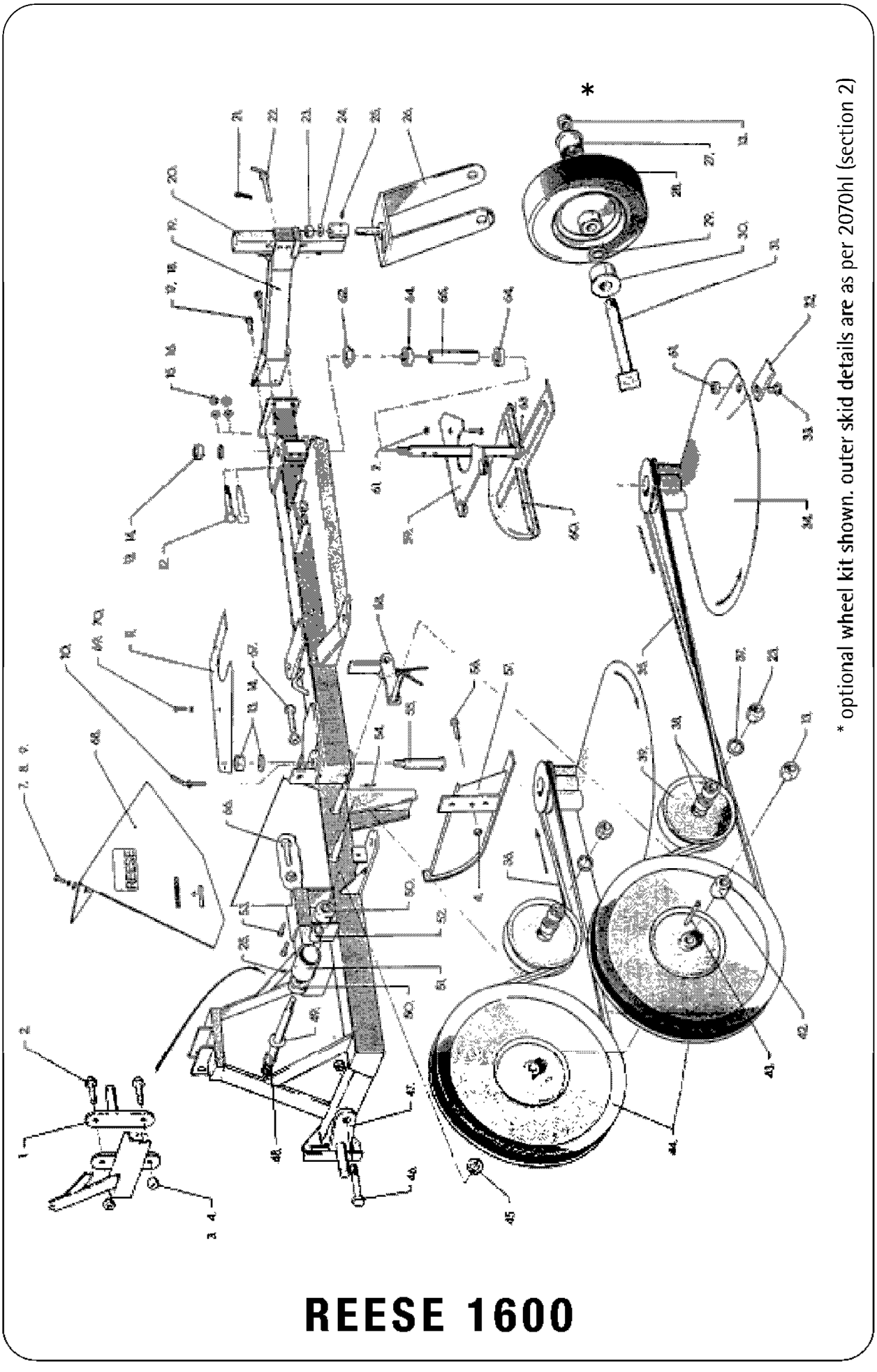
If optional skirts are not fitted, mowers should be used in combination with tractor fitted with cab for your protection.

   It is preferable not to lift the mower at corners. Round out corners then mow the uncut sections prior to doing the perimeter back cut. The acceptance of some weight on the tractor 3 point linkage will ensure the outer end drum will not "ride high" and will prevent crop build up in front of the white skid.

   Avoid very sharp cornering as this causes the outer end of the mower to go backwards and can in some very matted type crops cause wrapping around the drum.

   The cleanest cut will always be when cutting closest to the ground. Use sharp blades for a clean cut - interchange blades between drums to use both edges or sharpen regularly with a grinder.

7. Check and re-adjust belts after initial stretch - approximately 2 hours.
8. Check all bolts and nuts for tightness after the initial bedding in period. In particular, the 1" UNF nut securing the main drive pulley and drum spindles - at the end of the first days work is an ideal time.



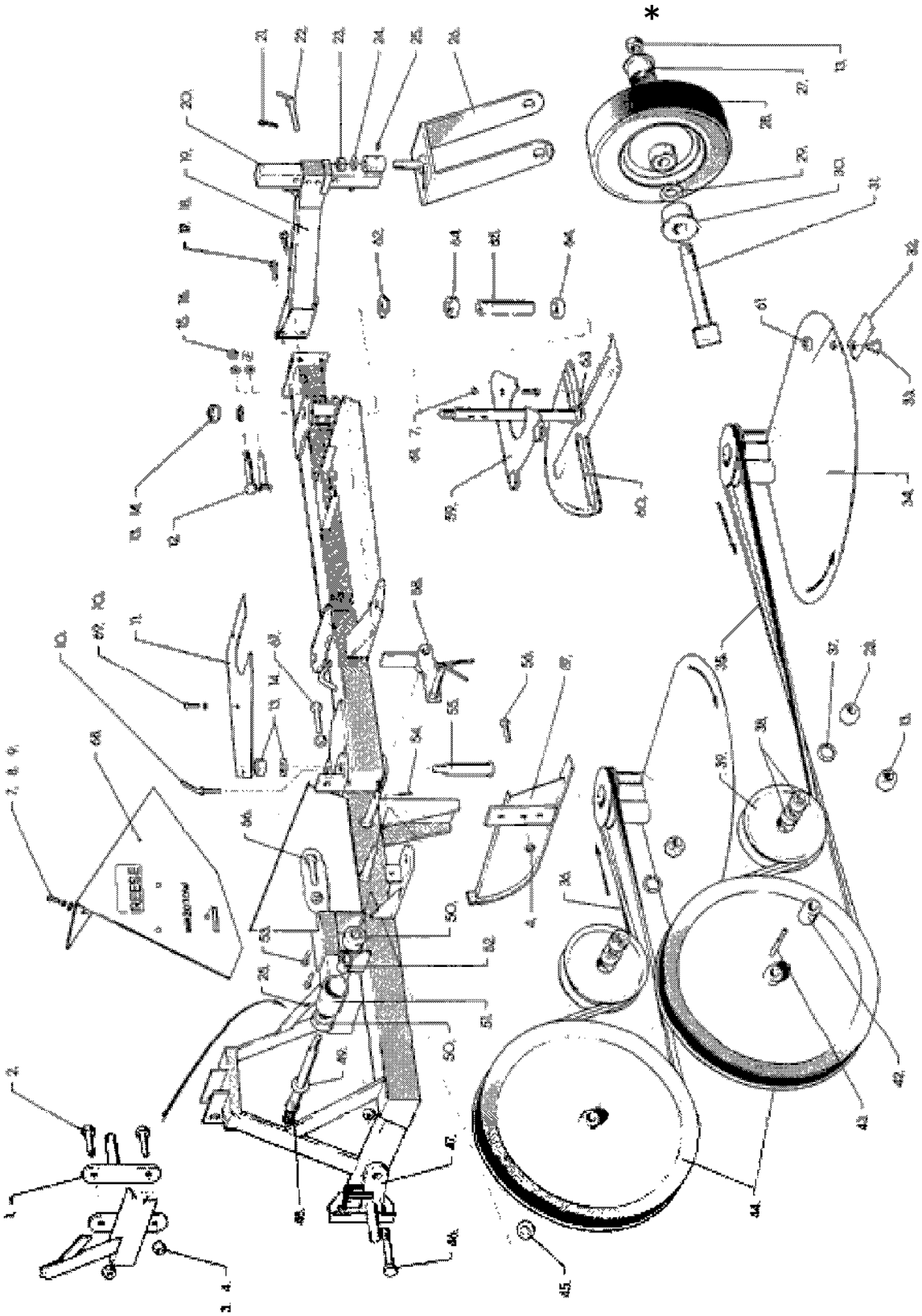
* optional wheel kit shown. outer skid details are as per 2070hl (section 2)

REESE 1600

REESE 1600 STANDARD DRUM MOWER

ITEM NO	PART NO	DESCRIPTION
1	46	Shear plate Cat I
2	47	Shear bolt M10 x 50 *HT*
3	16	Bolt M16 x 50 *HT* Zn Pl
4	16A	Nut nyloc M16 Zn Pl
7	8401	Bolt M10 x 20 Zn Pl
8	9042	Flat washer M10 Zn Pl
9	9041	Spring washer M10 Zn Pl
10	11	Transport lock pin Zn Pl
11	206-13	Access panel
12	14	Spindle bolts 3 $1\frac{1}{2}$" x $\frac{1}{2}$" UNF
13	8	Nut nyloc 1" UNF
14	39	Washer 25 mm ID x 10 mm thick
15	14A	Nut nyloc $\frac{1}{2}$" UNF
16	40	Flat washer $\frac{1}{2}$"
17	8510	Bolt M12 x 35 *HT* Zn Pl
18	9152	Nut M12 Zn Pl
	9052	Spring washer M12
19	574	Wheel attachment arm
20	575	Wheel height adjustment slide
21	9281	Clip pin 4 mm
22	576	Adjustment pin – wheel height
23	9172	Nut nyloc M20
24	9071	Washer plain M20
25	24	Grease nipple
26	577	Wheel forks
27	578	Shield – RH
28	570	Wheel Assembly
		Includes:
	571	Tyre 425 x 8 6 ply
	572	Tube 400 x 8
	9212	Bearing 6205 2RS
	573	Wheel Hub
29	9072	Washer
30	579	Shield – LH
31	580	Wheel axle
32	141	Cutting Blade – UFO 141
33	42A	Blade Bolt – UFO
34	234	Drum c/w bearings & spacer tube
35	251	Vee belt C5720 (special construction)

ITEM NO	PART NO	DESCRIPTION
36	250	Vee Belt C4220 (special construction)
37	32	50 mm internal circlip
38	31	Idler bearings 6304 2RS
39	130	Idler pulley c/w bearings & circlip
42	501	Spacer 52 mm long
43	127	Input shaft key 3-$\frac{3}{4}$" x $\frac{5}{16}$" SQ
44	226	Vee pulley – 660 mm
45	9208	Nilos ring RMS 10 ZAV
46	8701	Bolt M20 x 130
	9172	Nut Nyloc M20
47	2	Floating link Cat I
48	321	Input shaft 400 mm long
49	9207	Nilos ring 6307 ZAV
50	9205	Input bearing 6307Z
51	323	Input housing c/w bearings & spacer
52	325	Bearing spacer tube
53	18A	Set screw M12 x 40 c/w nut
54	9251	Tension pin M6 x 40
55	307	Pivot bolt 50 mm x 150 mm lg
56	16	Bolt M16 x 50 *HT* Zn Pl
57	17	Inside skid
	17-3-2	Wear plate – weld on 80 x 600
58	148	Idler bell crank
59	154	Belt guard
60	237A	Drum spindle assy, c/w stone guards
61	43A	Nut nyloc M10
62	38	Drum bearing top spacer
63	52	Bottom spindle washer
64	35	Drum bearing 6210 2RS (C3)
65	36	Bearing spacer tube
66	5A	Belt tensioner & lock nut Zn Pl M20
67	105A	Belt tensioner & lock nut Zn Pl M20
68	212	Guard – Idler pulley
69	8201	Screw M6 x 12
70	9021	Spring washer M6
NS	D1001	Decal set 1600
NS	W24	PTO Shaft 2400 Series 875 lg
		Lemon tube – Q/R Yoke each end

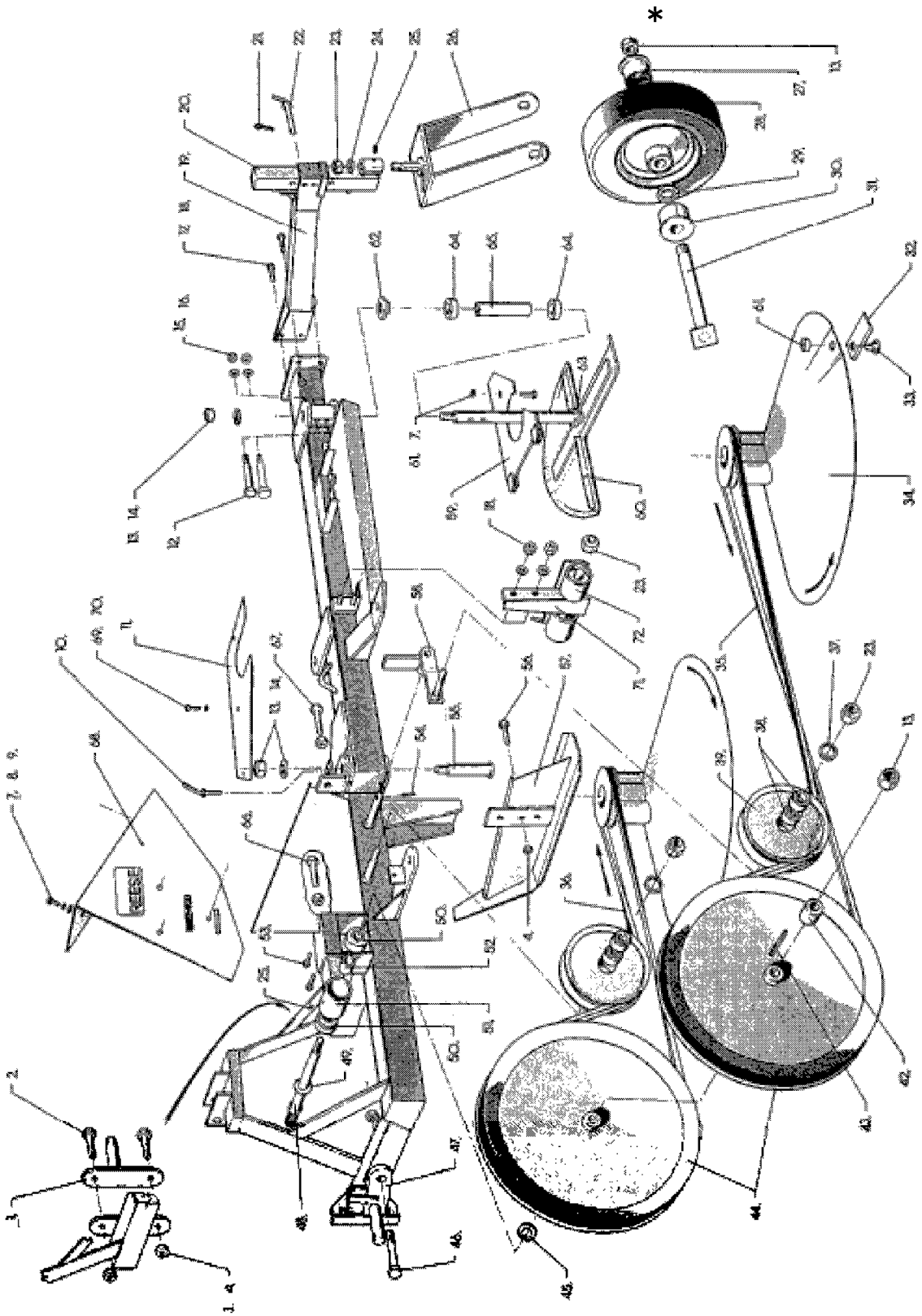


* optional wheel kit shown. outer skid details are as per 2070hl (section 2)

REESE 2070W

REESE 2070W STANDARD DRUM MOWER

ITEM NO	PART NO	DESCRIPTION	ITEM NO	PART NO	DESCRIPTION
1	146A	Shear plate Cat 2 – 16 mm	36	150W	Vee Belt C4475 (special construction)
2	47	Shear bolt M10 x 50 *HT*	37	32	50 mm internal circlip
3	16	Bolt M16 x 50 *HT* Zn Pl	38	31	Idler bearings 6304 2RS
4	16A	Nut nyloc M16 Zn Pl	39	130	Idler pulley c/w bearings & circlip
7	8401	Bolt M10 x 20 Zn Pl	42	501	Spacer 52 mm long
8	9042	Flat washer M10 Zn Pl	43	127	Input shaft key 3-3/4" x 5/16" SQ
9	9041	Spring washer M10 Zn Pl	44	26	Vee pulley – 600 mm
10	11	Transport lock pin Zn Pl	45	9208	Nilos ring RMS 10 ZAV
11	106-13	Access panel	46	8701	Bolt M20 x 130
12	14	Spindle bolts 3 1/2" x 1/2" UNF		9172	Nut Nyloc M20
13	8	Nut nyloc 1" UNF	47	102B	Floating link Cat 2 – Locking type
14	39	Washer 25 mm ID x 10 mm thick	48	321	Input shaft 400 mm long
15	14A	Nut nyloc 1/2" UNF	49	9207	Nilos ring 6307 ZAV
16	40	Flat washer 1/2"	50	9205	Input bearing 6307Z
17	8510	Bolt M12 x 35 *HT* Zn Pl	51	323	Input housing c/w bearings & spacer
18	9152	Nut M12 Zn Pl	52	325	Bearing spacer tube
	9052	Spring washer M12	53	18A	Set screw M12 x 40 c/w nut
19	574	Wheel attachment arm	54	9251	Tension pin M6 x 40
20	575	Wheel height adjustment slide	55	307	Pivot bolt 50 mm x 150 mm lg
21	9281	Clip pin 4 mm	56	16	Bolt M16 x 50 *HT* Zn Pl
22	576	Adjustment pin – wheel height	57	17	Inside skid
23	9172	Nut nyloc M20		17-3-2	Wear plate – weld on 80 x 600
24	9071	Washer plain M20	58	148	Idler bell crank
25	24	Grease nipple	59	154	Belt guard
26	577	Wheel forks	60	137A	Drum spindle assy, c/w stone guards
27	578	Shield – RH	61	43A	Nut nyloc M10
28	570	Wheel Assembly	62	38	Drum bearing top spacer
		Includes:	63	52	Bottom spindle washer
	571	Tyre 425 x 8 6 ply	64	35	Drum bearing 6210 2RS (C3)
	572	Tube 400 x 8	65	36	Bearing spacer tube
	9212	Bearing 6205 2RS	66	5A	Belt tensioner & lock nut Zn Pl M20
	573	Wheel Hub	67	105A	Belt tensioner & lock nut Zn Pl M20
29	9072	Washer	68	112W	Guard – Idler pulley
30	579	Shield – LH	69	8201	Screw M6 x 12
31	580	Wheel axle	70	9021	Spring washer M6
32	141	Cutting Blade – UFO 141	NS	153	Outer Drum Pulley guard
33	42A	Blade Bolt – UFO	NS	D1002	Decal set 2070W
34	134	Drum c/w bearings & spacer tube	NS	W241	PTO Shaft 2400 Series 875 lg
35	151W	Vee belt C6480 (special construction)			Lemon tube – c/w o/run clutch



* optional wheel kit shown. outer skid details are as per 2070hl (section 2)

REESE 2400

REESE 2400 STANDARD DRUM MOWER

ITEM NO	PART NO	DESCRIPTION
1	146B	Shear plate Cat 2 – 20 mm
2	47	Shear bolt M10 x 50 *HT*
3	8603	Bolt M16 x 55 Zn Pl
4	16A	Nut nyloc M16 Zn Pl
7	8401	Bolt M10 x 20 Zn Pl
8	9042	Flat washer M10 Zn Pl
9	9041	Spring washer M10 Zn Pl
10	11	Transport lock pin Zn Pl
11	606-13	Access panel
12	14	Spindle bolts 3 1/2" x 1/2" UNF
13	8	Nut nyloc 1" UNF
14	39	Washer 25 mm ID x 10 mm thick
15	14A	Nut nyloc 1/2" UNF
16	40	Flat washer 1/2"
17	8510	Bolt M12 x 35 *HT* Zn Pl
18	9152	Nut M12 Zn Pl
	9052	Spring washer M12
19	574	Wheel attachment arm
20	575	Wheel height adjustment slide
21	9281	Clip pin 4 mm
22	576	Adjustment pin – wheel height
23	9172	Nut nyloc M20
24	9071	Washer plain M20
25	24	Grease nipple
26	577	Wheel forks
27	578	Shield – RH
28	570	Wheel Assembly
	571	Tyre 425 x 8 6 ply
	572	Tube 400 x 8
	9212	Bearing 6205 2RS
	573	Wheel Hub
29	9072	Washer
30	579	Shield – LH
31	580	Wheel axle
32	141	Cutting Blade – UFO 141
33	42A	Blade Bolt – UFO
34	634	Drum c/w bearings & spacer tube
35	651	Vee belt D7400 (special construction)
36	29	Vee Belt D5030 (special construction)
37	32	50 mm internal circlip
38	31	Idler bearings 6304 2RS
39	30	Idler pulley c/w bearings & circlip
42	501	Spacer 52 mm long
43	127	Input shaft key 3-3/4" x 5/16" SQ
44	26	Vee pulley – 600 mm
45	9208	Nilos ring RMS 10 ZAV
46	8701	Bolt M20 x 130
	9172	Nut Nyloc M20
47	102B	Floating link Cat 2 – Locking type
48	321	Input shaft 400 mm long
49	9207	Nilos ring 6307 ZAV
50	9205	Input bearing 6307Z
51	323	Input housing c/w bearings & spacer
52	325	Bearing spacer tube
53	18A	Set screw M12 x 40 c/w nut
54	9251	Tension pin M6 x 40
55	307	Pivot bolt 50 mm x 150 mm lg
56	16	Bolt M16 x 50 *HT* Zn Pl
57	617	Inside skid
	617-4	Wear plate – weld on 100 x 750
58	648	Idler bell crank
59	654	Belt guard
60	637A	Drum spindle assy, c/w stone guards
61	43A	Nut nyloc M10
62	38	Drum bearing top spacer
63	52	Bottom spindle washer
64	35	Drum bearing 6210 2RS (C3)
65	36	Bearing spacer tube
66	5A	Belt tensioner & lock nut Zn Pl M20
67	105A	Belt tensioner & lock nut Zn Pl M20
68	612	Guard – Idler pulley
69	8201	Screw M6 x 12
70	9021	Spring washer M6
71	671	Belt support idler bracket
72	672	Belt support idler c/w bearings
	31	Bearings 6304 2RS
	32	50 mm internal circlip
NS	653	Outer Drum Pulley Guard
NS	D1003	Decal set 2400
NS	W242	PTO Shaft 2400 Series 875 lg
		Star profile tube c/w o/run clutch

WINDROW SPREADING ATTACHMENT

For Standard
Drum Mower Range

INTRODUCTION

The Reese Spreader has been designed for the spreading of pasture toppings or clippings thus avoiding a windrow which would normally rot and impair growth.

A natural progression from the initial concept has been into hay crops where it is now used extensively to accelerate the drying process and eliminate or reduce the tedding requirements with a separate machine.

The fitment of a Spreader unit will not convert a mower to a mower conditioner but the random spreading action certainly has a similar effect on many crops.

Several features have been considered in the design and these will become evident to the user.

1. To maintain simplicity and ruggedness in construction.
2. The ability to be readily fitted to existing Reese mowers in use.
3. A very low power requirement.
4. The ease of removal when it is not required.
5. A lack of on going maintenance.

YOU NOW HAVE THE OPTION...
WINDROWED OR SPREAD

MOUNTING INSTRUCTIONS

The parts diagram and fitting instructions on the following pages clearly outline Spreader assembly and mounting procedures.

MOUNTING INSTRUCTIONS

Servicing is limited to the following simple operations.

1. LUBRICATION (SEE LUBRICATION DRAWING)

(a) Grease the Spreader bearing housing daily (1 point)

(b) Grease the tilt adjustment handle bush twice per season.

(c) Apply light oil to adjustment threads and mounting pins.

2. BELTS

Inspect for damage and check regularly for belt tension.

Adjustment

(a) Remove Spreader belt and adjust mower belts if necessary as described in the mower instructions.

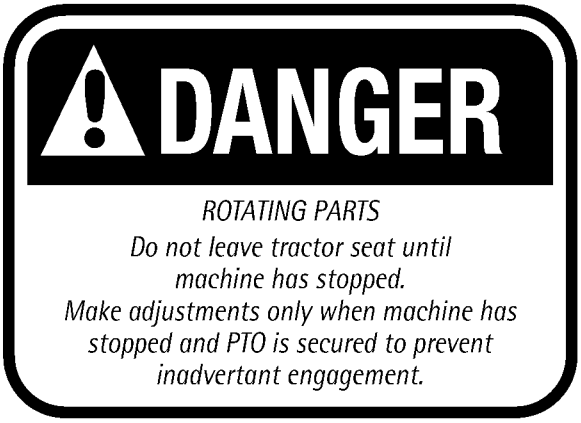
(b) Refit Spreader belt and make any adjustment after slackening nuts and lock screws.

Note: This is a very low power drive and belts need only be adjusted sufficiently to prevent excessive flapping when in operation. Avoid over tension as this places unnecessary strain on the mower input shaft.

Spreader belt will require independent adjustment each time the mower belts are adjusted.

(c) Tighten lockscrews and nuts loosened in (2, b).

OPERATION



1. Spreader belt will loosen and may hang below the mower when in transport position. To avoid belt damage ensure it is supported on top of the mower.
2. Swing the mower into operating position and ensure the belt is fully located on each vee pulley.
3. Adjust Spreader operating height with the handle (Item 25) until tine tips are approximately 2 inches (50 mm) above ground level. Make later adjustments so that about 80% of the windrow is spread.

   Note: Spreading of the complete windrow is unnecessary and causes additional stress on the tines thus reducing their life.

4. Commence mowing approximately three (3) cutting widths in from the perimeter to avoid scattering the mown crop into the fence. Return to this section upon completion of the field and reverse cut to the fence line.

SPREADER FITTING INSTRUCTIONS

THESE INSTRUCTIONS ARE FOR FITTING A REESE SPREADER TO EARLIER MODEL MOWERS. LATER MODELS ARE ALREADY "SET UP" FOR SIMPLE SPREADER FITMENT.

IN THIS CASE REFER TO PARAGRAPHS 1B, C AND D, 3, 4A AND 4D ONLY.

1. MOWER INPUT HOUSING ASSEMBLY

(a) Replace the existing input shaft with the 400 mm shaft (Item 1) supplied.

(b) Remove the 1" UNF input shaft nut and discard the 35mm Spacer. Reassemble using the 52mm spacer (Item 2) between the machine vee pulleys and the Spreader Pulley (Item 4). The Spreader Pulley is offset and must be fitted so the "Vee" is maximum distance from the mower vee pulleys.

Note: It is most important that the pulley retaining nut is very tight and it should be rechecked after two (2) hours operating.

(c) Refit the complete assembly to the mower and adjust mower belts to correct tension.

(d) Refit the mower idler pulleys cover.

2. MOUNTING BRACKET

(a) Place the Mounting Bracket on the rear of the mower beam as illustrated in the parts drawing, flush with the top surface (except on 1600 Model machines where bracket locates approx. 12 mm above) and with the following distance between the bracket side plate and the inner edge of the outer drum top spindle plate.

1600	-	80mm
2070w	-	100 mm
2400	-	190 mm

(b) Weld fully along top edge and both sides.

3. SPREADER UNIT AND ADJUSTMENT HOUSING

(a) Mount the Adjustment Housing and height adjuster to the mounting bracket as shown in the illustration.

(b) Slide the Spreader unit into the Adjustment Housing, fit and adjust the vee belt sufficiently to just control the amount of flap when in service.

(c) Fit the eight tines.
(See tine placement drawing.)

4. DRIVEN PULLEY GUARD

(a) Bolt the Pulley Guard (Item 6) to the guard bracket (Item 7).

(b) Position the guard and bracket assembly on the outside of the mower idler pulley guard and ensure the drive pulley guard is centrally located over the 1" Nyloc Nut. Scribe two holes on the idler pulley guard using the bracket as a template.

(c) Remove the guard/bracket assembly and drill two (2) clearance holes in the idler cover.

(d) Attach the guard bracket to the under side of the idler pulley guard and refit to the mower.

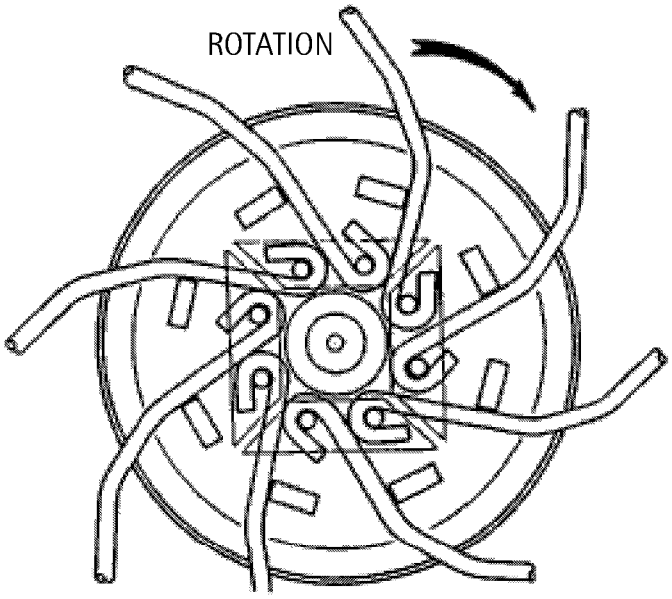
5. TRANSPORT LUG EXTENSION – 1600 MODELS ONLY.

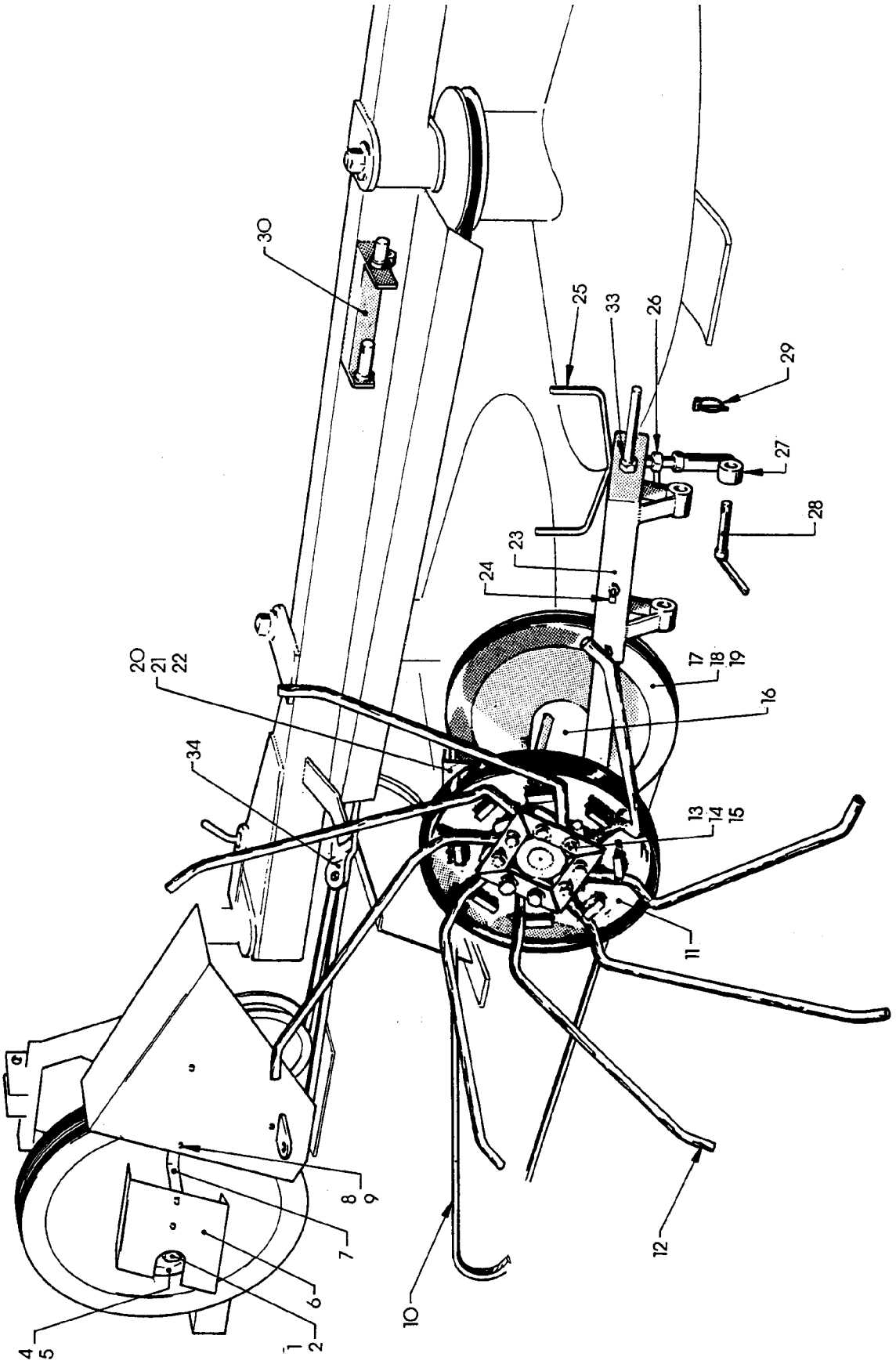
(a) Fold the mower almost into transport position.

(b) Place transport lug extension (Item 34) on top of the Hitch Frame Transport Lug and locate in position with the transport pin.

(c) Clamp and weld this new lug to the under side of the Drum Frame Transport Lug.

SPREADER TINE PLACEMENT





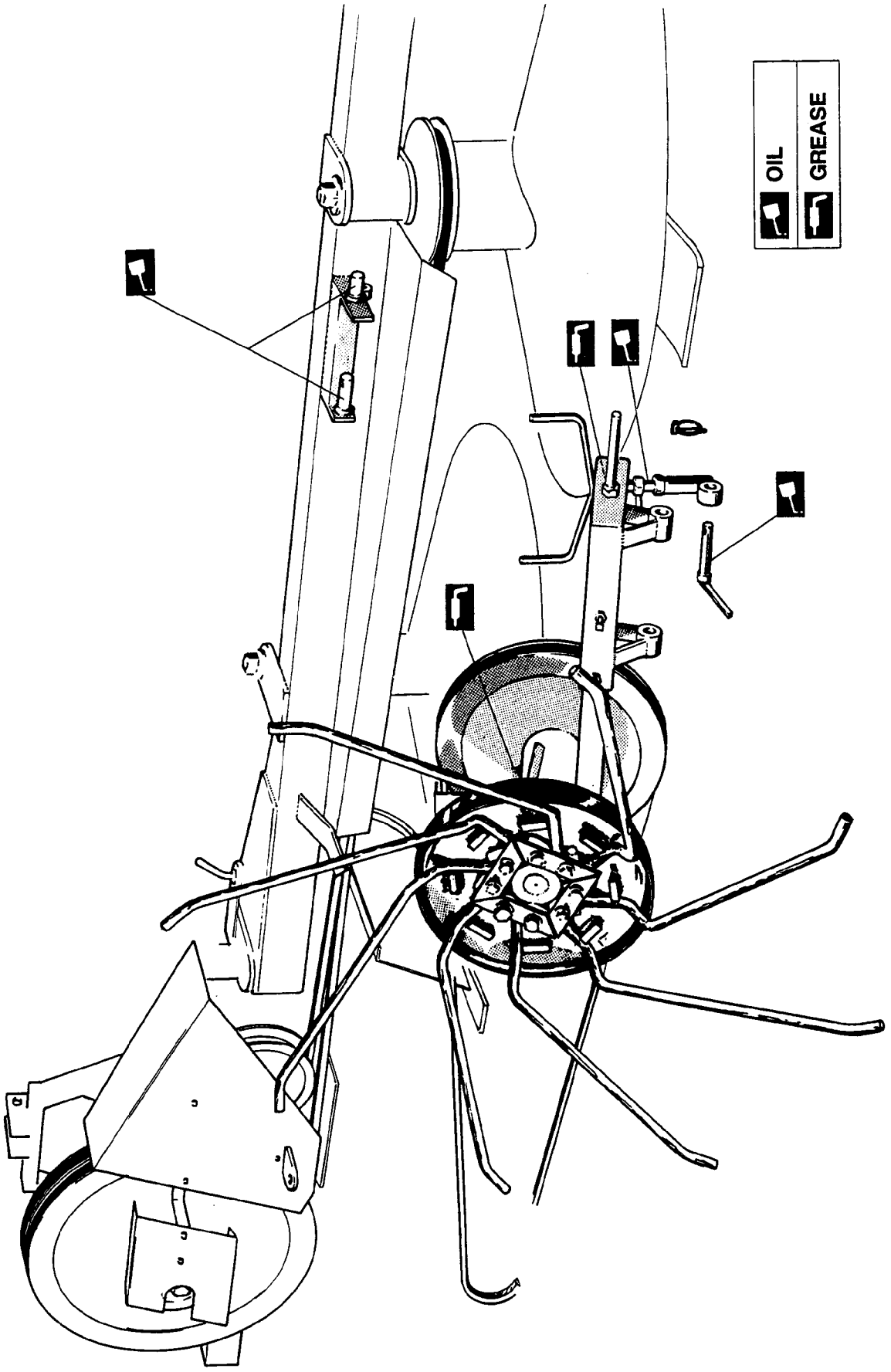
REESE SPREADING ATTACHMENT

REESE SPREADING ATTACHMENT

ITEM NO	PART NO	DESCRIPTION
1	321	Input shaft 400 mm long
2	501	Spacer 52 mm long
4	503	Drive pulley – 150 mm
5	504	Key 5/16" sq. x 33
6	505	Guard (for drive pulley)
7	506	Guard bracket
8	8401	Bolts M10 x 20 Zn Pl
9	9041	Spring washer 10 Dia Zn Pl
10	507	Belt C4720 – 2070W
	557	Belt C3970 (C154) – 1600
	558	Belt C5240 (C203) – 2400
11	508A	Tine wheel
12	509A	Tine – heavy duty
13	521	Tine retaining clamp
14	9152	Nut M12 plain
15	9052	Spring washer – M12
16	512	Bearing housing 2070W & 2400
	512MT	Bearing housing 1600
		Includes:
	9205	Bearings 6307 Z
	24	Grease nipple
	325	Spacer tube 66 mm long – 48 O.D.
	9207	Nilos ring 6307 ZAV
	9208	Nilos ring RMS 10 ZAV

ITEM NO	PART NO	DESCRIPTION
17	8	Nut nyloc 1" UNF
18	369	Vee pulley 370 mm
19	27	Key 5/16" SQ x 48 mm
20	513	Guard
21	9042	Flat washer 10 Dia Zn Pl
22	43A	M10 nyloc nut
23	514	Adjustment housing 2070W & 2400
	514MT	Adjustment housing 1600
24	18A	Belt tension set screws M12 x 40 with nut
25	515	Handle assembly c/w nyloc nut
26	516	Locking nut
27	517	Pivot boss
28	518	Mounting pin
29	9286	Lynch pin – 1/4" Dia
30	519	Mounting bracket 2070W
	519MT	Mounting bracket 1600
	519TM	Mounting bracket 2400
33	9172	Nut nyloc M20
34	556	Transport lug extension 1600

MACHINE MODEL
Suffix MT 1600
Suffix TM 2400



REESE SPREADER LUBRICATION