

IM1947
Flail mower-shredder
TURBOMOWER
ELITE
190/225/245/270

OPERATING INSTRUCTIONS AND SPARE PARTS

IMPORTANT

NOTE HERE THE SERIAL NUMBER OF YOUR MACHINE AND ALWAYS QUOTE IT IN ANY COMMUNICATION WITH US OR YOUR DEALER. THIS IS PARTICULARLY IMPORTANT WHEN ORDERING SPARES. REMEMBER TO INCLUDE ALL NUMBERS AND LETTERS.

MACHINE SERIAL NUMBERS _____

THE INFORMATION GIVEN THROUGHOUT THIS MANUAL IS CORRECT AT THE TIME OF PUBLICATION. HOWEVER, IN THE COURSE OF CONSTANT DEVELOPMENT OF BOMFORD TURNER MACHINES, CHANGES IN SPECIFICATION ARE INEVITABLE. SHOULD YOU FIND THE INFORMATION GIVEN IN THIS BOOK TO BE AT VARIANCE WITH THE MACHINE IN YOUR POSSESSION, YOU ARE ADVISED TO CONTACT THE BOMFORD TURNER SERVICE DEPARTMENT WHERE UP-TO-DATE INFORMATION WILL BE PROVIDED.

THE MANUAL CAN CONTAIN STANDARD AND OPTIONAL FEATURES AND IS NOT TO BE USED AS A MACHINE SPECIFICATION.

THE MACHINE HAS BEEN TESTED AND IS CONSIDERED SAFE IF CAREFULLY USED. ENSURE YOUR OPERATOR IS PROPERLY TRAINED IN ITS USE AND MAINTENANCE.

IMPORTANT

NOTEZ ICI LES NUMEROS DE SERIE DE VOTRE MACHINE ET MENTIONNEZ LES DANS TOUTE COMMUNICATION AVEC NOS SERVICES OU VOTRE REVENDEUR. CECI EST IMPORTANT POUR LA COMMANDE DE PIECES DETACHEES. PENSEZ A NOTER TOUS LES NUMEROS ET TOUTES LES LETTERS.

NUMEROS DE SERIE DE LA MACHINE _____

LES INFORMATIONS DONNEES DANS CE MANUEL SONT CORRECTES CEPENDANT, DU FAIT DE DEVELOPPEMENT CONSTANT DES MACHINES BOMFORD TURNER.

CHANGEMENTS DANS LES CARACTERISTIQUES SONT INEVITABLES.

SI VOUS TROUVEZ QUE LES INFORMATIONS DONNEES NE CORRESPONDENT PAS A VOTRE MACHINE VEUILLEZ CONTACTER LE SERVICE DES REPARATIONS OU DES INFORMATIONS PLUS RECENTES VOUS SERONT DONNEES.

CE MANUEL PEUT MONTRER DES CARACTERISTIQUES OPTIONNELLES ET NE PEUT PAS ETRE CONSIDERE COMME SPECIFICATION DE LA MACHINE.

CETTE MACHINE A ETE TESTEE, ET ELLE EST CONSIDEREE COMME FIABLE A CONDITION D'UNE BONNE UTILISATION. ASSUREZ-VOUS QUE VOTRE OPERATEUR EST QUALIFIE EN CE QUI CONCERNE L'UTILISATION DE LA MACHINE AINSI QUE SON ENTRETIEN.

WICHTIG

TRAGEN SIE HIER DIE SERIENNUMMERN IHRER MASCHINE EIN UND GEBEN SIE DIESE IMMER AN, WENN SIE SICH AN UNS ODER IHREN HÄNDLER WENDEN. DAS IST BESONDERS BEI ERSATZTEILBESTELLUNGEN WICHTIG. VERGESSEN SIE NICHT, ALLE ZAHLEN UND BUCHSTABEN ZU NOTIEREN.

SERIENNUMMERN DER MASCHINE _____

DIE ANGABEN IN DIESEM HANDBUCH SIND BEI VERÖFFENTLICHUNG KORREKT. AUFGRUND DER KONSTANTEN WEITERENTWICKLUNG VON BOMFORD TURNER MASCHINEN SIND JEDOCHÄNDERUGDEN IN DER SPEZIFIKATION UNVERMEIDLICH. WENN DIE INFORMATION IN DIESEM HANDBUCH NICHT MIT IHRER MASCHINE ÜBEREINSTIMMEN, NEHMEN SIE BITTE KONTAKT MIT DER BOMFORD TURNER KUNDENDIENSTABTEILUNG AUF, DIE IHNEN GERNE DIE AKTUELLEN INFORMATION ZUKOMMEN LÄSST.

DAS HANDBUCH KANN SOWOHL BESCHREIBUNGEN FÜR DIE STANDARD AUSFÜHRUNG ALS AUCH FÜR ZUBEHÖR ENTHALTEN UND IST NICHT ALS MASCHINENSPEZIFIKATION ZU VERWENDET.

DIE MASCHINE IST GETESTET UND BEI SACHGEMÄSSEM BETRIEB ALS SICHER BEFUNDEN WORDEN. SORGEN SIE DAFÜR, DASS IHR BEDIENPERSONAL IN ANWENDUNG UND WARTUNG RICHTIG GESCHULT WIRD.

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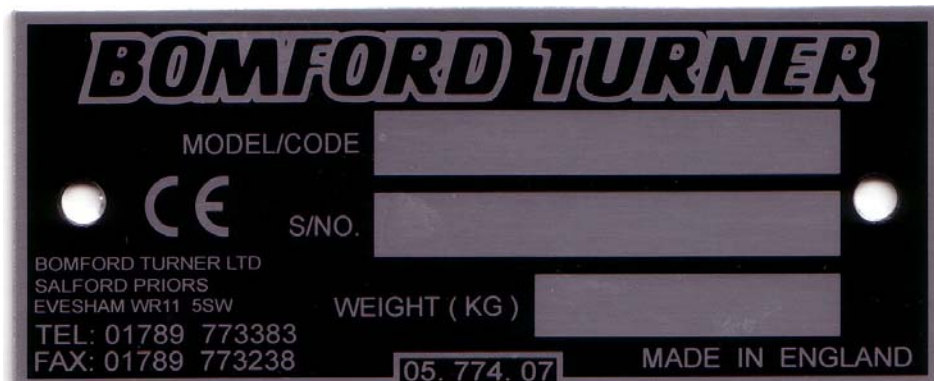
11 SPARE PARTS

1 GENERAL INFORMATION

1.1 This operation and maintenance manual is intended for the professional user. It is mandatory to follow these instructions in order to prevent events which could endanger the operator's and other people's safety, apart from the correct functioning of the shredder. In case of doubt, do not experiment, call Bomford after-sales service instead, or a specialised Bomford dealer.

1.2 Identifying the machine Each shredder is fitted with an identification plate; both the data necessary to identify the model and the serial number to order spare parts or after-sales service are stamped on the plate (see FIG.1).

FIG.1



1.3. It is strongly recommended to use genuine Bomford spare parts to avoid altering the technical features of the shredder. Bomford Turner Ltd is not responsible for any damage or injuries to people due to unauthorized modifications or to the use of non-genuine spare parts. This machine is in conformity with the following provisions of law: - Directive Machine 89/392/CEE and following additions: 91/368/CEE, 93/44/CEE and 93/68/CEE; - Regulations UNI EN 292/1 and 292/2 (machinery safety). - Regulation UNI EN 745 (Rotary and flail mowers safety).

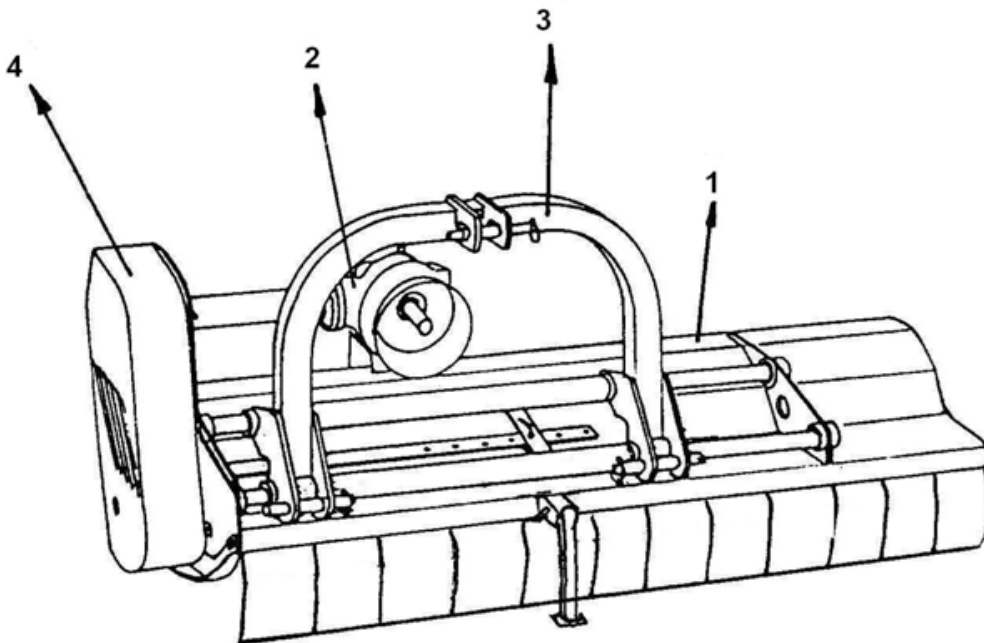
2 TECHNICAL FEATURES

2.1 The ELITE mower, from now also called machine, have been designed for mulching on all agricultural and amenity areas. It is excellent for grass cutting in parks, sport fields and other green areas and for mulching crop residues or prunings from orchards and vineyards. Its construction is very rigid, designed for intensive use, with sliding headstock allowing the machine to be semi offset. We can combine it with hydraulic side mounted rotary cutter, which cuts the grass around the trees and vines without damaging it. Any other use is considered improper and the manufacturer disclaims all responsibility for any consequential injuries to people, or for damage to the machine. Proper use also refers to the safety and maintenance rules provided for by the manufacturer.

Technical names (FIG.2)

- 1 frame
- 2 gearbox
- 3 connecting bow
- 4 side transmission
- 5 rear adjustable roller
- 6 blades or hammers

FIG.2



2.2. Technical specifications

TAB.1

Mod.	ELITE 190	ELITE 225	ELITE 245	ELITE 270
Width of cut cm	191	226	242	272
Min.tractor Requ.power KW/HP	34-38/45-50	42-45/ 55-60	48-55/ 65-75	55-62/ 75-85
Power takeoff speed rpm	540	540	540	540
Weight kg	410/430	462/487	495/515	525/545
Attachment to the tractor.	Cat. II	Cat. II	Cat. II	Cat. II
Y-blades Nr.	48	56	60	68
Hammer blades Nr.	24	28	30	34
Width A MM	2085	2435	2595	2895
Length B MM	1000	1000	1000	1000
Height C MM	1000	1000	1000	1000

2.3. Width of cut

Tab. 2 shows the dimensions of cut of the shredder.

TAB.2

Mod.	Left cm	Right cm	Mod.	Left cm	Right cm
190	42	150	245	88	172
190	82	110	245	128	132
225	66	161	270	88	201
225	106	121	270	128	161

2.4. Equipment

TAB.3

Equipment	ELITE 190	ELITE 225	ELITE 245	ELITE 270
Hammer	◆	◆	◆	◆
Y.-blades	■	■	■	■
Rear roller	◆	◆	◆	◆
Mechanic side movement	◆	◆	◆	◆
Hydraulic side movement	■	■	■	■
skids	◆	◆	◆	◆
Hydraulic rotary side cutter	■	■	■	■

◆ = Standard eqpt

■ = Optional eqpt

FIG.3 Variants

ELITE RIGHT HAND
ELITE LEFT HAND
ELITE FRONT MOUNTED
ELITE COMBI MOUNTED
ELITE COMBI MOUNTED DOUBLE BOW
ELITE 540 RPM
ELITE 1000 RPM

3. SAFETY RULES

3.1. General safety rules:

- It is mandatory to read and follow the instructions for the use and maintenance manual before carrying out any operation or move with the shredder. Improper use or an incorrect move may seriously damage things and people.
- Both the operator and the maintenance fitter must know the shredder well, especially regarding dangers resulting from improper use or incorrect repairs.
- Before starting, checks on tractor and shredder, must be carried out as regards: functionality, road safety, accident prevention rules.
- Even when using the shredder correctly, stones or other objects may be thrown on a long distance. Therefore nobody must stand within the danger area. Special attention must be paid when working near roads or buildings.
- Use tractor with cabs.
- The condition of flails and all guards must be checked before beginning the daily work – they must be replaced if damaged or missing.
- During checks or repairs, make sure nobody could start the shredder by mistake.
- Never wear loose or fluttering clothes.
- Never carry passengers on the tractor.
- Never carry passengers on the shredder.
- Never connect the power takeoff unless the engine is stopped.
- Never approach the shredder until the rotor has completely stopped.
- Do not enter the working zone of the PTO shaft. It is dangerous to approach the rotating parts of the machine.
- Keep the PTO shaft guard in good order.
- Before starting check the surrounding area for the likely presence of children and/or animals.
- Do not stand in the range of the operation of the machine.
- The PTO shaft must be assembled and dismantled only with the engine stopped and the starting key removed.
- Before connecting the power takeoff, check that the speed and the rotational direction correspond to those of the shredder.
- Before leaving the tractor with the tool attached, proceed as follows:
 1. Disconnect the power takeoff,
 2. Put the machine steadily on the ground (with the hydraulic lift)
 3. Apply the hand brake and, if the ground is steeply sloping, wedge the tractor.
 4. Take out the starting key.
- Immediately replace any safety sign, or any missing or damaged decal.

3.2. Safety Rules concerning Road Traffic

- In transport, reduce speed, especially on bumpy roads. The very weight of the shredder may render driving difficult and damage the shredder itself.
- Check moreover that the levers which operate the hydraulic lift are locked, to avoid the lowering of the machine during transport.
- When driving on public roads, respect all road rules in force.
- Never transport the machine with the rotor moving, even for short distances.

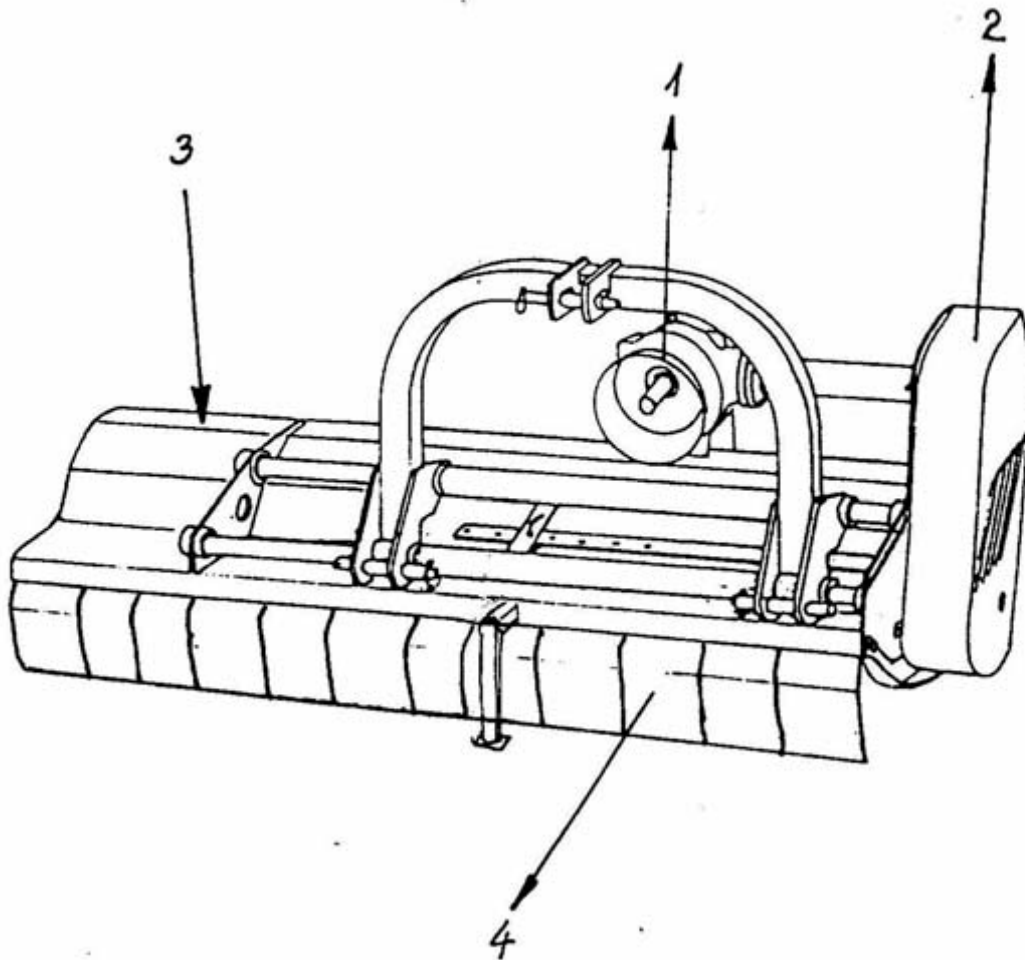
3.3 Safety Rules during use

- Pay special attention when working with the machine, not to touch fixed objects, such as road drain, walls, shafts, kerbs, guard rails, tracks etc. This could cause the breakage of the flails, which would be thrown at very high speed.
- If wires, ropes or chains should get entangled in the rotor, stop immediately, to prevent damage or dangerous situations; stop the rotor and the tractor, take out the starting key. Put working gloves on, clear the rotor with the aid of pliers or shears. Do not try to disentangle by inverting the rotational direction of the rotor.
- Do not use the machine when there is vibration in the flail head, as this would cause breakage and serious damage. Find the cause of the vibration and eliminate it.

3.4. List of Guards fitted to the shredder (FIG.4)

1. Pto shaft guard
2. Belt guard
3. Danger and warning decals
4. Front guard

FIG.4

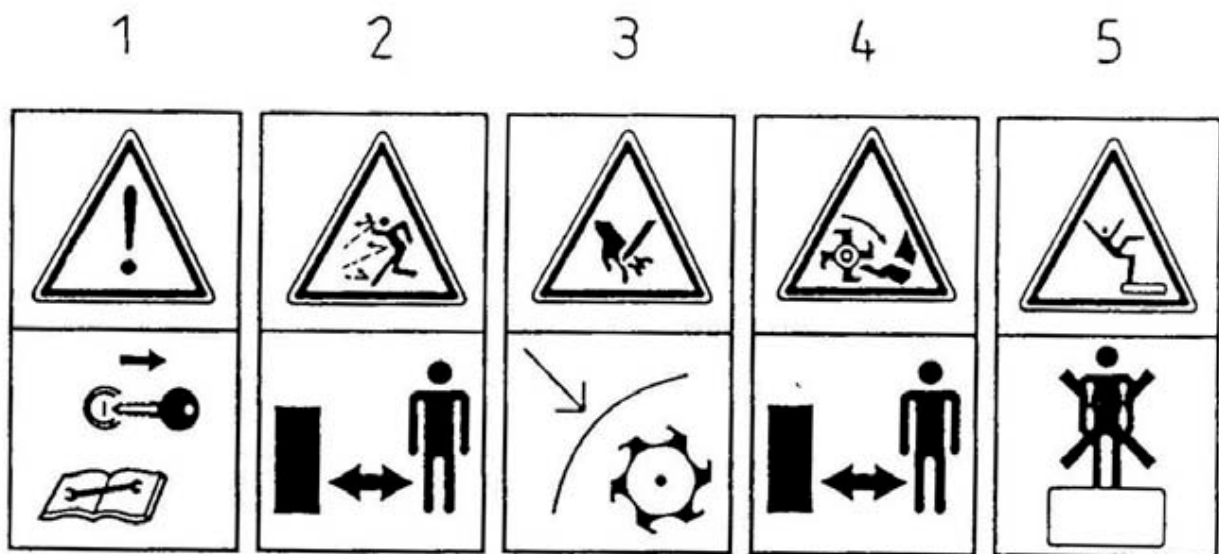


3.5. Description and location of Safety decals

Carefully follow the instructions given on the decals (FIG.5).

1. Always take off previously the machine of the tractor and read the instructions carefully before starting servicing and/or lubricating operations.
2. Keep at a safety distance from the machine to avoid the risk of projection of objects.
3. Never remove the guards while the parts of machine are moving. It is dangerous to injure the hands.
4. Keep at a safety distance from the machine to avoid the risk of cutting of feet.
5. It is forbidden to mount on the machine because of the risk of fall.

FIG.5



4 INSTRUCTIONS FOR INSTALLATION AND HANDLING

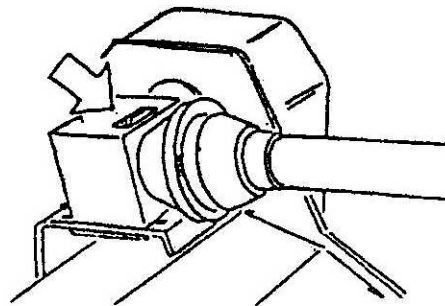
4.1. Lifting and unloading To handle the machine use a hoist or a crane with lifting capability suitable to the weight of the machine (see TAB.1)

4.2. Unpacking To make transport easier, the machine can be supplied with 3-point linkage split. In this case use bolts, locknuts and washers enclosed to fix the linkage on the machine.

4.3. Attachment to and detachment from the tractor Before carrying out this operation and whenever the machine is used, it is mandatory to:

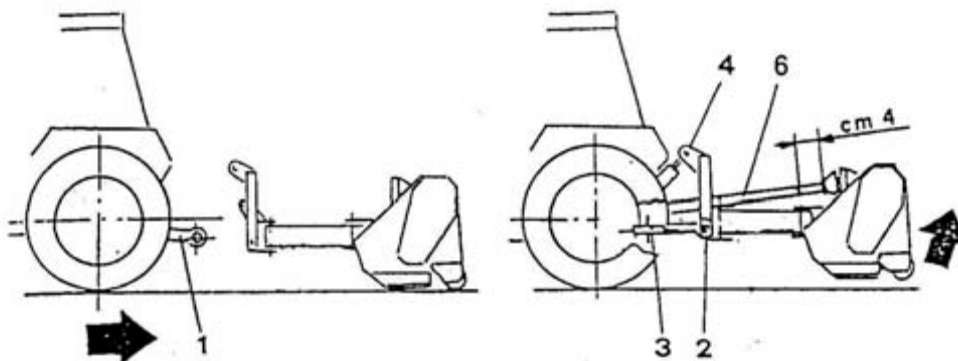
- Visually check the machine in general
- Check that all guards are fitted and in good condition
- Confirm that all flails and bolts are fitted and in good condition
- Grease the bearings and any other part as indicated by a decal (FIG.19)
- Check that the number or revolutions and the rotational direction of the power takeoff correspond to those required by the machine (FIG.7).

FIG.7



- To attach the machine to the tractor (FIG.8), bring the tractor lower links (1) near the machine, to the points corresponding to the pins.
- Insert the pins (2) and secure them with the spring clips (3).

FIG.8

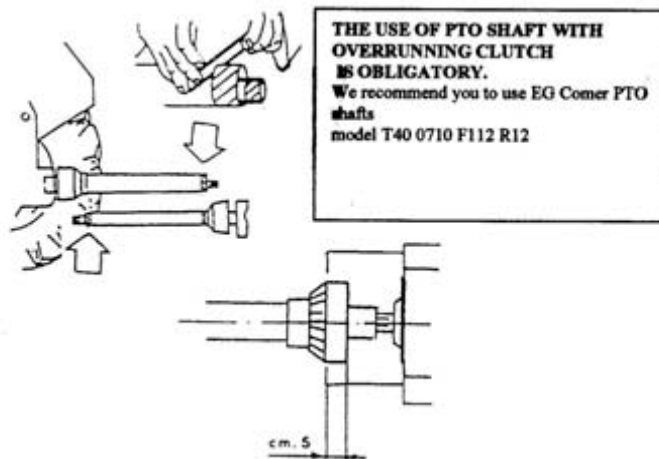


- Fit the top link (4), raise the machine to a perpendicular position with the ground. Adjust the two tractor lower linkage stabilizers (3) thus fixing the machine to the tractor in a central position.
- Proceed in reverse order to detach the mower from the tractor.

4.4. Fitting the PTO shaft

- Following the instructions in 4.3. assemble the PTO shaft (6) and check that the overlap is not less than $\frac{2}{3}$ of L. Be sure to keep a 4 cm backlash (FIG.8). if it needs shortening, proceed as in (FIG.9).
- The guards of the PTO shaft must be fixed to the machine and to the tractor with chains, to prevent rotation. The minimum overlap of the guard and the PTO shaft must not be less than 5 cm.

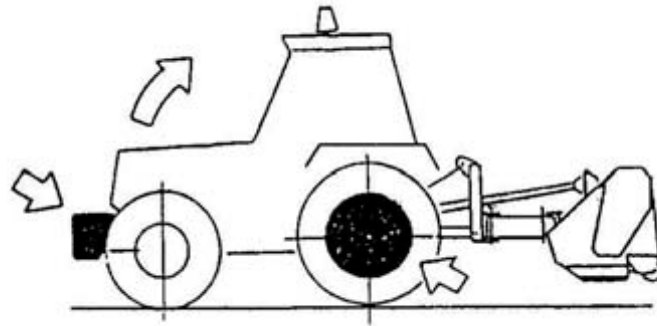
FIG.9



4.5 Tractor stability

Due to the design of the mowers and to the work they do, it is essential to ensure tractor stability, in order to eliminate any risk of imbalance or overturning. - Lift the machine and check that the tractor does not lift up, if it does, ballast the rear wheel of the tractor opposite to the extended machine and in front (FIG.11).

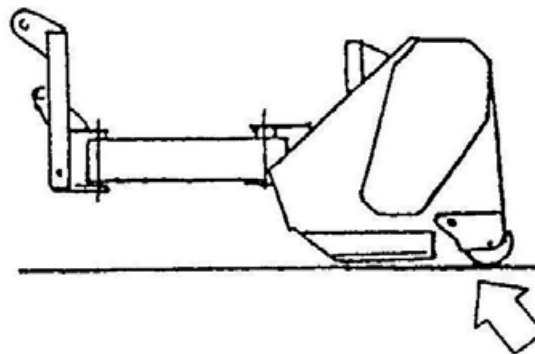
FIG.11



4.6 Parking

- Park the machine in a safe and quiet place, on flat and firm ground in order to prevent the risk of rolling over.
- Lower the machine to the ground with the aid of the hydraulic lift of the tractor (FIG.12)

FIG.12

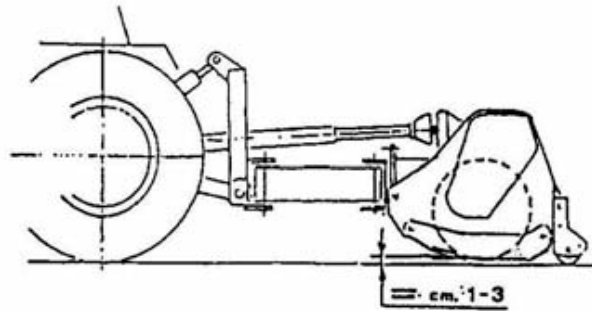


5 ADJUSTMENT AND SETTING UP

5.1. Adjustment of the height of cut is obtained by shifting the flail head roller in order to suit the material to be cut and the required degree of chopping (FIG.13).

IMPORTANT: Flails must never touch the ground

FIG.13



6 USE AND OPERATING RULES

6.1. Starting

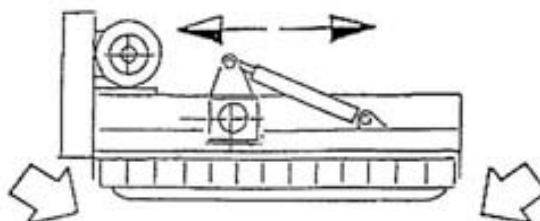
Before using the machine check the tightness of all bolts and the integrity of all guards. Check that the number of revolutions and the rotational direction of the power takeoff of the tractor correspond to those required by the machine, see decal on the gearbox (FIG.7). Engage the power takeoff at low engine RPM to avoid damaging the transmission (gearbox and belts). **CHECK THE OIL LEVEL IN GEARBOX BEFORE STARTING.**

6.2. Working mode

- Adjust the machine to suit the type of work to be done and the material to be cut: adjust the height of cut, as shown in FIG.13.
- Working speed is chosen to suit the material to be cut and the degree of chopping required. The optimum speed ranges from 3 to 8 km per hour.

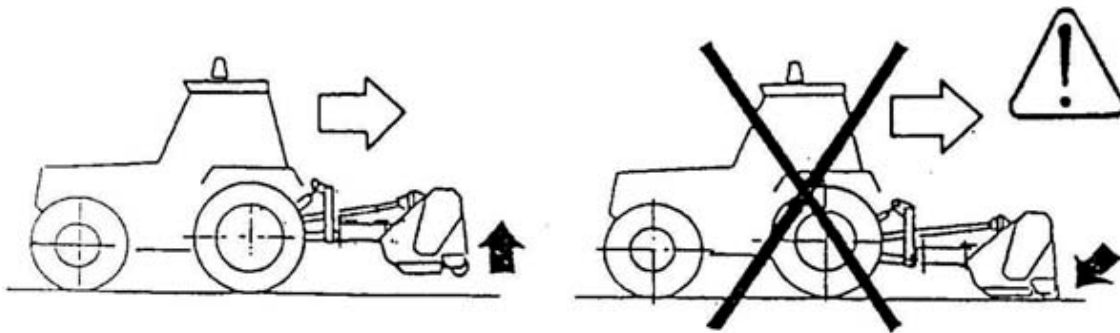
IMPORTANT: when side moving the machine, lift the machine off the ground to avoid the damage of the frame (FIG.14)

FIG.14



IMPORTANT: During reverse movement lift the machine off the ground to avoid damaging the machine (FIG.15)

FIG.15



6.3. Stopping

- Close the arms and lower the machine to the ground.
- Disconnect the power takeoff.
- Stop the tractor, take out the starting key and apply the hand brake.
- If the ground is sloping, block the tractor wheels.

6.4. Transport position

For transport it is mandatory to:

- Observe all road transport requirements and fit the necessary warning signs.
- Reduce speed especially on bumpy roads. The weight of the machine may render driving difficult and damage the machine itself.
- The power take off must be disconnected

IMPORTANT: during transport on bumpy roads it is mandatory to move the machine into the central position.

7 MACHINE MAINTENANCE

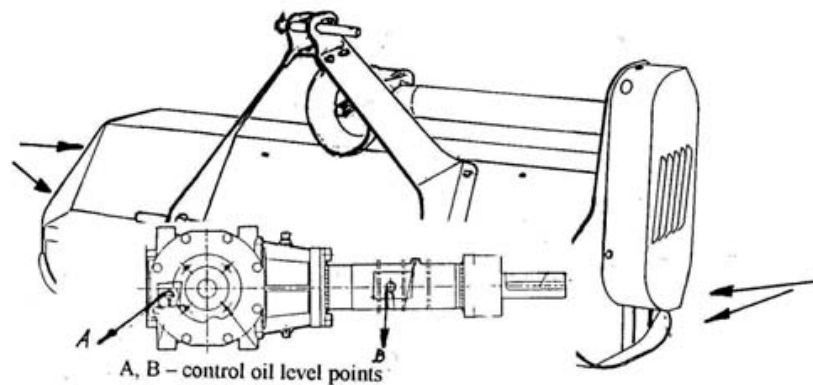
All maintenance, cleaning and repair operations must be carried out with the shredder firmly lowered to the ground and detached from the tractor, or with disconnected PTO, engine off and starting key out.

After the first two hours' operation from new (or after fitting new belts) check belt tension.

Regularly, every 8 hours' operation:

- Tighten bolts and nuts,
- Check wear and condition of flails.
- Check the safety guards.
- Check belt condition
- Visually check the frame to detect possible damage caused by earlier work.
- Check gearbox and extension lubricating levels.
- Grease the parts on the appropriate decal (FIG.16).

FIG.16



This operation must be always carried out at the end of each working day. This facilitates the removal of mud or other material from the rotating parts (bearing, pins etc.) in order to avoid rust and possible seizure.

- Every 100 hours' operation grease the moving parts of the PTO shaft, extracting the two parts of the shaft.
- After long inactivity, repeat the operation before re-using the machine.
- Use grease classification DIN 51825 (KP 2 K) - For gearbox use compatible oils – classification ISO VG 220

8 TROUBLE SHOOTING CHART

TROUBLES	CAUSES	REMEDIES
Irregular cut	- worn, bent or broken flails	- replace
	- machine is not in level with the ground	- level it
	- clogged material due to excessive working speed	- reduce working speed
Machine noise	- loose bolts	- Tighten bolts
	- cracks or initiation of flail head	- Have it repaired in specialised workshops
Gearbox noise	- lack of oil	- fill to level
	- worn gears	- replace
	- worn bearings	- replace
Vibration	- broken or worn flails	- replace
	- unbalanced rotor	- replace in authorized workshops
	- worn rotor bearings	- adjust the height of cut
Premature flail wear	- flails touching the ground	- replace
Excessive backlash in joints	- worn pins	- replace
Breakage of roller Bearings	- Violent impact on the ground when the machine is lowered	- Lower it gently
Belts overheating	- Dirty or little greased bearings	- Clean and grease
	- Flails touching to the ground	- Adjust the height of cut
	- Working speed unsuitable to the amount of the material to be cut	- Reduce speed

9 REPLACING PARTS

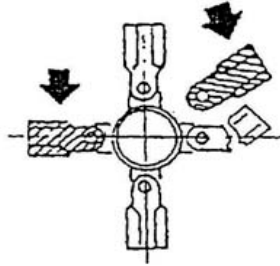
Before carrying out any work, it is mandatory to:

- lower the machine to the ground
- disconnect the power takeoff, stop the tractor and take out the starting key.
- Wear working gloves

9.1. Flail replacement

When the flails are worn, they must all be replaced. In case of a partially broken flail it is advisable to replace the broken one and the one diametrically opposite, in order to maintain the balance (FIG.17)

FIG.17

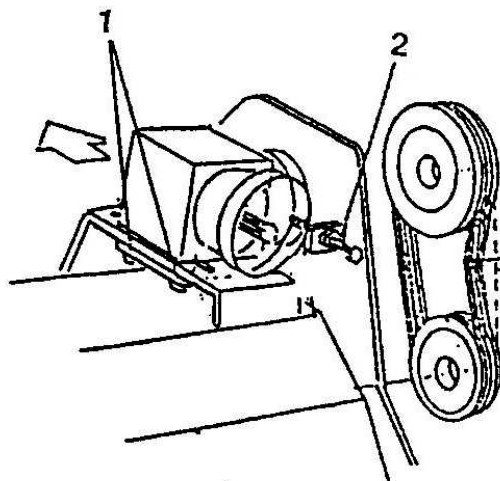


9.2. Belt replacement

- This operation must be carried out with the machine touching the ground, the power takeoff disconnected and the starting key out
- Remove the belt guard, slacken the screws(1) (FIG.18), unscrew the tensioner (2), remove the belts and replace them with the same ones (dimension and type).

IMPORTANT: more complex operations must be done in authorized workshops.

FIG.18



10 DEMOLITION, DIFFERENTIATED DIVISION OF THE MATERIALS AND DISPOSAL

If the machine is out of order, all its parts that might cause dangers have to be made inoffensive. The materials, forming the machine that have to undergo a differentiated division, are:

- steel
- mineral oil
- rubber
- plastic

All the above mentioned operations and the disposal have to be carried out in total respect of the present provisions of law on the subject

11 SPARE PARTS

Pos	ELITE 2004 – rh, lh, combi, front mount Spare Parts	Part No.	Quantity			
			190	225	245	270
1	FRAME ELITE 190 RH	16973	1			
	FRAME ELITE 190 LH	17135	1			
	FRAME ELITE 225 RH	16974		1		
	FRAME ELITE 225 LH	17138		1		
	FRAME ELITE 245 RH	16975			1	
	FRAME ELITE 245 LH	17694			1	
	FRAME ELITE 270 RH	16976				1
	FRAME ELITE 270 LH	17696				1
1a	FRAME ELITE 190 FRONT RH	17131	1			
	FRAME ELITE 190 FRONT LH	17136	1			
	FRAME ELITE 225 FRONT RH	17133		1		
	FRAME ELITE 225 FRONT LH	17139		1		
	FRAME ELITE 245 FRONT RH	17697			1	
	FRAME ELITE 245 FRONT LH	17698			1	
	FRAME ELITE 270 FRONT RH	17699				1
	FRAME ELITE 270 FRONT LH	17700				1
1b	FRAME ELITE 190 COMBI RH	17132	1			
	FRAME ELITE 190 COMBI LH	17137	1			
	FRAME ELITE 225 COMBI RH	17134		1		
	FRAME ELITE 225 COMBI LH	17140		1		
	FRAME ELITE 245 COMBI RH	17141			1	
	FRAME ELITE 245 COMBI LH	17701			1	
	FRAME ELITE 270 COMBI RH	17142				1
	FRAME ELITE 270 COMBI LH	17702				1
2a	SLIDING TUBE	16619	2			
	SLIDING TUBE	16620		2	2	2
2b	CONNECTING BOW	16767	1	1	1	1
2c	BUSHING	16618	4	4	4	4
2d	SPRING RING 58	16772	4	4	4	4
3	ROTOR ELITE 190	17366	1			
	ROTOR ELITE 225	17367		1		
	ROTOR ELITE 245	17254			1	
	ROTOR ELITE 270	17255				1
3a	ROTOR ELITE 190 CPL with hammers	16744	1			
	ROTOR ELITE 190 CPL with Y blades	16743	1			
	ROTOR ELITE 225 CPL with hammers	16746		1		
	ROTOR ELITE 225 CPL with Y blades	16745		1		

Pos	ELITE 2004 – rh, lh, combi, front mount Spare Parts	Part No.	Quantity			
			190	225	245	270
3a	ROTOR ELITE 245 CPL with hammers	17971			1	
	ROTOR ELITE 245 CPL with Y blades	17971			1	
	ROTOR ELITE 270 CPL with hammers	17973				1
	ROTOR ELITE 270 CPL with Y blades	17974				1
4	GEARBOX 311-615 RH	10864	1			
	GEARBOX 311-780 RH	10865		1		
	GEARBOX 311-615 LH	15368	1			
	GEARBOX 311-780 LH	15399		1		
	GEARBOX 311-615 COMBI, front	16516	1			
	GEARBOX 311-780 COMBI, front	16517		1		
	GEARBOX 312-950 COMBI, standard, front	16518			1	1
4a	PTO SHIELD (for COMBI)	11002	1 (2)	1 (2)	1 (2)	1 (2)
4b	UNDERLAYING PLATE	10986	2	2		
4c	GEARBOX PLATE 312	17684			2	2
4d	FLANGE	15404	1	1	1	1
4c	CAP ON INLET SHAFT-za S in F	17071	1	1	1	1
5	ROLLER REAR 190	11734	1			
	ROLLER REAR 225	11735		1		
	ROLLER REAR 245	16596			1	
	ROLLER REAR 270	16957				1
5a	REAR ROLLER BRACKET 160-270L	11699	1	1	1	1
5b	REAR ROLLER BRACKET 160-270R	10848	1	1	1	1
5c	SCRAPER ELITE 190	17143	1			
	SCRAPER ELITE 225	17144		1		
	SCRAPER ELITE 245	17145			1	
	SCRAPER ELITE 270	17146				1
6	BEARING WITH CASING 16206	11927	2	2	2	2

Pos	ELITE 2004 – rh, lh, combi,front mount Spare Parts	Part No.	Quantity			
			190	225	245	270
7	FLAP BAR 190	10749	1			
	FLAP BAR 225	11013		1		
	FLAP BAR 245	17257			1	
	FLAP BAR 270	17258				1
8	BELT SHIELD	10973	1	1	1	1
	BELT SHIELD LH	17705	1	1	1	1
9	MECHANICAL OFFSETTING	10750	1	1	1	1
10	HYDRAULIC OFFSETTING OPTION	17867	1	1	1	1
11	BEARING CASING L CPL	10753	1	1	1	1
12	BEARING CASING R CPL	10754	1	1	1	1
13	PULLEY 130/80-4	11848	1	1		
	PULLEY 130/80-5	11849			1	1
14	ELVE CLUTCH 80/45	10760	1	1	1	1
15	PULLEY 180/80-4	10757	1	1		
	PULLEY 180/80-5	11917			1	1
16	ELVE CLUTCH 80/40	10759	1	1	1	1
17	SKID L	15175	1	1	1	1
17	SKID R	15174	1	1	1	1
17a	SIDE SHIELD-with no skid	11599	2	2	2	2
18	SUPPORT FOOT	10846	1	1	1	1
19	OIL WASHER 45x90x10	12241	1	1	1	1
20	PIN 8	11598	1	1	1	1
20a	PIN 14	11597	1	1	1	1
21	PIVOT PIN 19/45	10991	1	1	1	1
22	PIVOT PIN 22/28	11015	2	2	2	2
23	SAFETY PIN 10	10328	3	3	3	3
24	PIN R3	10327	2	2	2	2
25	FLAP 130	110008		2	2	
	FLAP 140	10769	12	14	15	19
26	Y BLADE OPTION	10867	48	56	60	68
26a	HAMMER	11806	24	28	30	34
27	BLADE SLEEVE OPTION (Old P No 10770)	12462	24	28	30	34
28	SPACER	10771	96	112	120	136
29	BELT XPB 1250	10447	4	4	5	5

Pos	ELITE 2004 – rh, lh, combi,front mount Spare Parts	Part No.	Quantity			
			190	225	245	270
30	BEARING 1309	11054	2	2	2	2
31	SLIDE PC EXT 45	10404	2	2	2	2
32	SLIDE PC INT 100	10417	1	1	1	1
34	BEARING CAP	10934	1	1	1	1
35	BEARING CAP	10935	1	1	1	1
36	BOLT M10 X 30	10259	1	1	1	1
36	BOLT M10 X 90	16773	2	2	2	2
37	BOLT M8 X 16	12024	4	4	4	4
38	BOLT M14 X 40	11835	4	4	4	4
39	BOLT M10 X 35	10260	4	4	4	4
40	BOLT M12 X 30	10998	4	4		
	BOLT M16 X 30	10280			4	4
40a	BOLT M12 X 35	10270	1	1	5	5
41	BOLT M14 X 50	11006	1	1	1	1
42	BOLT M14 X 35	10325	16	16	16	16
43	BOLT M14 X 90	17322	24	26	30	34
44	BOLT M16 X 80	12446	1	1	1	1
45	LOCKNUT M14	10204	31	33	37	41
46	LOCKNUT M10	10202	10	10	10	10
47	LOCKNUT M14	10191	4	4	4	4
48	LOCKNUT M12	10203	2	2	6	6
49	LOCKNUT M16	10193	1	1	1	1
50	WASHER 10	10219	5	5	5	5
51	WASHER 8	10218	4 (8)	4 (8)	4 (8)	4 (8)
52	WASHER 14	10221	21	21	21	21
53	WASHER 12	10220	9	9	5	5
	WASHER 13/36 X4	16066			4	4
54	SPRING WASHER 10	10232	1	1	1	1
55	WASHER 20	10224	1	1	1	1
56	SPRING WASHER 14	10234	4	4	4	4
57	SPRING WASHER 12	10233	5	5	1	1
	SPRING WASHER 16	10235			4	4
59	SPLIT PIN 3,2 X 30	10449	1	1	1	1
60	GREASE NIPPLE AM 10X1	10395	2	2	2	2
70	CLOSING PLATE	15251	1	1	1	1

FLAIL MOWER SHREDDER FIG 19

