

IM1949
Flail mower-shredder

TURBOMOWER
ELITE

(MMT)

130/150

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.

CONTENT

1 GENERAL INFORMATION	
1.1. Introduction	5
1.2. Identifying the machine	5
1.3. Spare parts	5
2 TECHNICAL FEATURES	
2.1. General description	7
2.2. Technical specifications	8
2.3. Width of cut	8
2.4. Equipment	8
3 SAFETY RULES	10
3.1. General safety rules	10
3.2. Safety rules concerning road traffic	11
3.3. Safety rules during use	11
3.4. List of guards fitted	12
3.5. Description and location of safety decals	12
4 INSTRUCTIONS FOR INSTALLATION AND HANDLING	
4.1. Lifting and unloading	13
4.2. Unpacking	13
4.3. Attachment to and detachment from the tractor	13
4.4. Fitting the PTO shaft	14
4.5. Tractor stability	15
4.6. Parking	15
5 ADJUSTMENT AND SETTING UP	
5.1. Regulating the height of cut	16
6 USE AND OPERATING RULES	
6.1. Starting	16
6.2. Working mode	16
6.3. Stopping	17
6.4. Transport position	17
7 MACHINE MAINTENANCE	18
8 TROUBLE SHOOTING	19
9 REPLACING PARTS	
9.1. Flail replacement	19
9.2. Belt replacement	20
10 DEMOLITION, RECYCLING, DIFFERENT DIVISION OF THE MATERIAL AND DISPOSAL	21
11 SPARE PARTS	22
11.1. Parts diagram	24

Original Certificate

EC DECLARATION OF CONFORMITY

Conforming to EU Directive 2006/42/EC

We,

Of BOMFORD TURNER LIMITED, Station Road, Salford Priors, Evesham, Worcestershire, WR11 8SW, UK.

Declare that we are the authorised representative, responsible for the product (type);

Linkage mounted unit	Product code
TURBO MOWER ELITE 1.3M	MA13
TURBO MOWER ELITE 1.5M	MA16
TURBO MOWER ELITE 1.9M	MA19
TURBO MOWER ELITE 2.25M	MA27
TURBO MOWER ELITE 2.45M	MA27
TURBO MOWER ELITE 2.7M	MA27

A vegetation control flail mowing tractor mounted attachment.

Serial No(s). & Date:.....

Designed and Manufactured: Europe

Complies with the required provisions of;

- Directive 2006/42/EC
- Directive 2004/108/EC
- EN ISO 12100:2010

And other national standards associated with its design and construction as listed in the technical file.

BOMFORD TURNER LIMITED operates an ISO 9001:2008 quality management system.

This system is accredited by;

BSI, Beech House, Linford Wood, Milton Keynes, UK, MK14 6ES

BSI identification number: UKAS 003

Bomford Turner certificate number: FM 34659

Signed.....

On behalf of BOMFORD TURNER LIMITED Responsible person

Status Managing Director

Date: 02/01/10

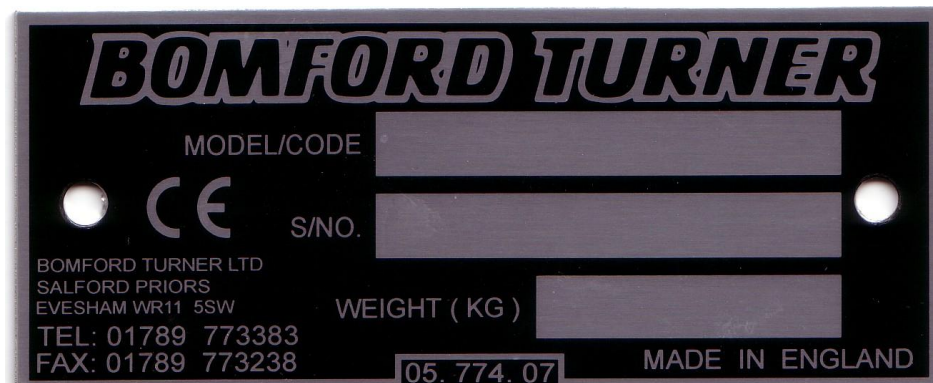
1. GENERAL INFORMATION

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, and for the correct functioning of the mower. In case of doubt, do not experiment, call Bomford after-sales service or a specialised Bomford dealer.

1.2 Identifying the machine

Each mower 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 that you use genuine Bomford spare parts to avoid altering the technical features of the mower. Bomford Turner Ltd is not responsible for any damage or injury to people due to unauthorized modifications or for the use of non-genuine spare parts.

This machine is in conformity with the following provisions of law:

- Directive 2006/42/EC
- Directive 2004/108/EC
- BS EN ISO 12100:2010

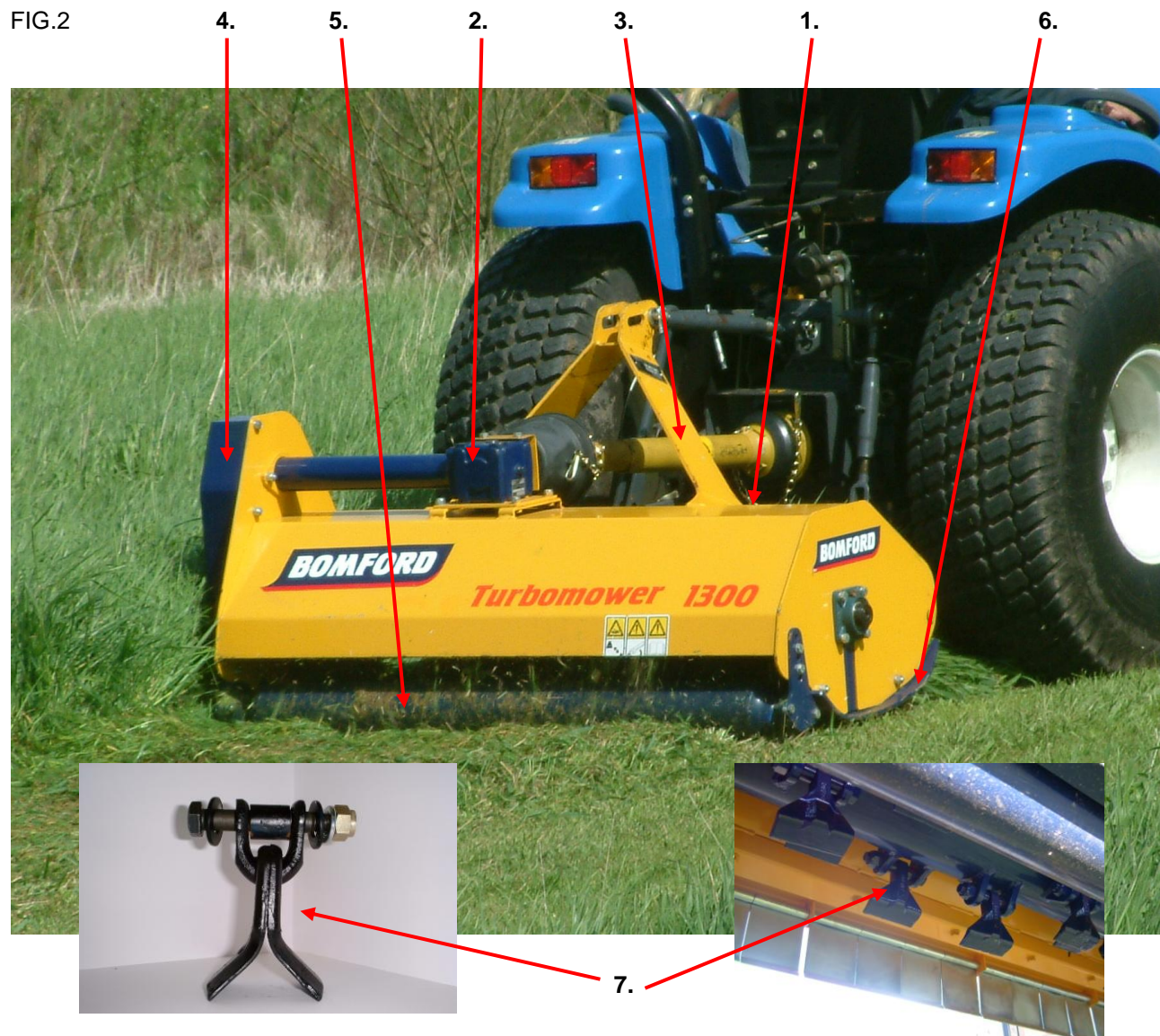
This page is intentionally left blank

2 TECHNICAL FEATURES

2.1 The Bomford Turbo Mower Elite (from now on also called the machine) has been designed for cutting grass on amenity areas, in orchards and for cutting crop residues on small agriculture areas, for sticks and shrubs laying on the ground of up to 3 cm diameter (proper use). Its light weight and low power requirement means that it is best suited to small tractors. 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 – 3 point linkage hitch
- 4 side transmission
- 5 rear adjustable roller
- 6 adjustable skids
- 7 blades or hammers



2.2 Technical specifications

TAB.1

Model		Elite 105	Elite 115	Elite 130	Elite 150
Width of cut	cm	105	115	130	145
Min. tractor power requ	KW/HP	14-20/18-26	15-23/20-30	23-27/30-35	27-30/35-40
Power takeoff speed	Rpm	540	540	540	540
Weight	kg	160	170	185	205
Linkage to the tractor	Cat.	II	II	II	II
Flails	Nr.	28	32	36	40
Hammer blades	Nr.	14	16	18	20
Width A	CM	120	130	145	160
Length B	CM	80	80	80	80
Height C	CM	80	80	80	80

2.3. Width of cut

Tab. 2 shows the dimensions of cut of the shredder (offset).

TAB.2

	Left in cm	Right in cm		Left in cm	Right in cm
Elite 105	52	50	Elite 130	60	69
	42	60		45	84
Elite 115	58	58	Elite 150	68	75
	43	73		53	90

2.4. Equipment

TAB.3

Equipment Elite	105	115	130	150
Hammer	◆	◆	◆	◆
Y-blades, flails	□	□	□	□
Rear roller	◆	◆	◆	◆
Mechanic side movement - 2 FIXED POSITIONS	◆	◆	◆	◆

◆ = Standard equipment

□ = Optional equipment

3. SAFETY RULES

3.1. General safety rules:

- It is mandatory to read and follow the instruction manual for the use and maintenance of the machine before carrying out any operation or to move the shredder. Improper use or an incorrect move may seriously endanger property and bystanders
- Both the operator and the maintenance fitter must familiarize themselves with the machine, especially regarding dangers resulting from improper use or incorrect repairs.
- Before starting, safety checks on tractor and shredder must be carried out as regards: functionality, road safety and accident prevention rules.
- The condition of flails and all guards must be checked before beginning the daily work – they must be replaced if damaged or missing.
- Even when using the shredder correctly, stones or other debris may be thrown a long distance. When using the machine make sure that nobody is standing within the danger area. Special attention must be paid when working near roads or buildings.
- Use tractor with cabs where possible or suitable guards fitted to the tractor.
- During checks or repairs, make sure nobody could start the shredder by mistake by removing the starting key from the tractor.
- 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 presence of children and/or animals.
- Do not stand in 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 machine attached, proceed as follows:
 1. Disconnect the power takeoff
 2. Lower the machine steadily onto the ground (with the hydraulic lift)
 3. Apply the hand brake and if the ground is sloping, wedge the tractor securely
 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 additional weight of the shredder may make driving difficult and damage the shredder itself.
- Check that the levers which operate the hydraulic lift are locked into position, to avoid the machine lowering during transport.
- When driving on public roads respect other road users and obey the highway code.
- Never transport the machine with the rotor moving, even for short distances.

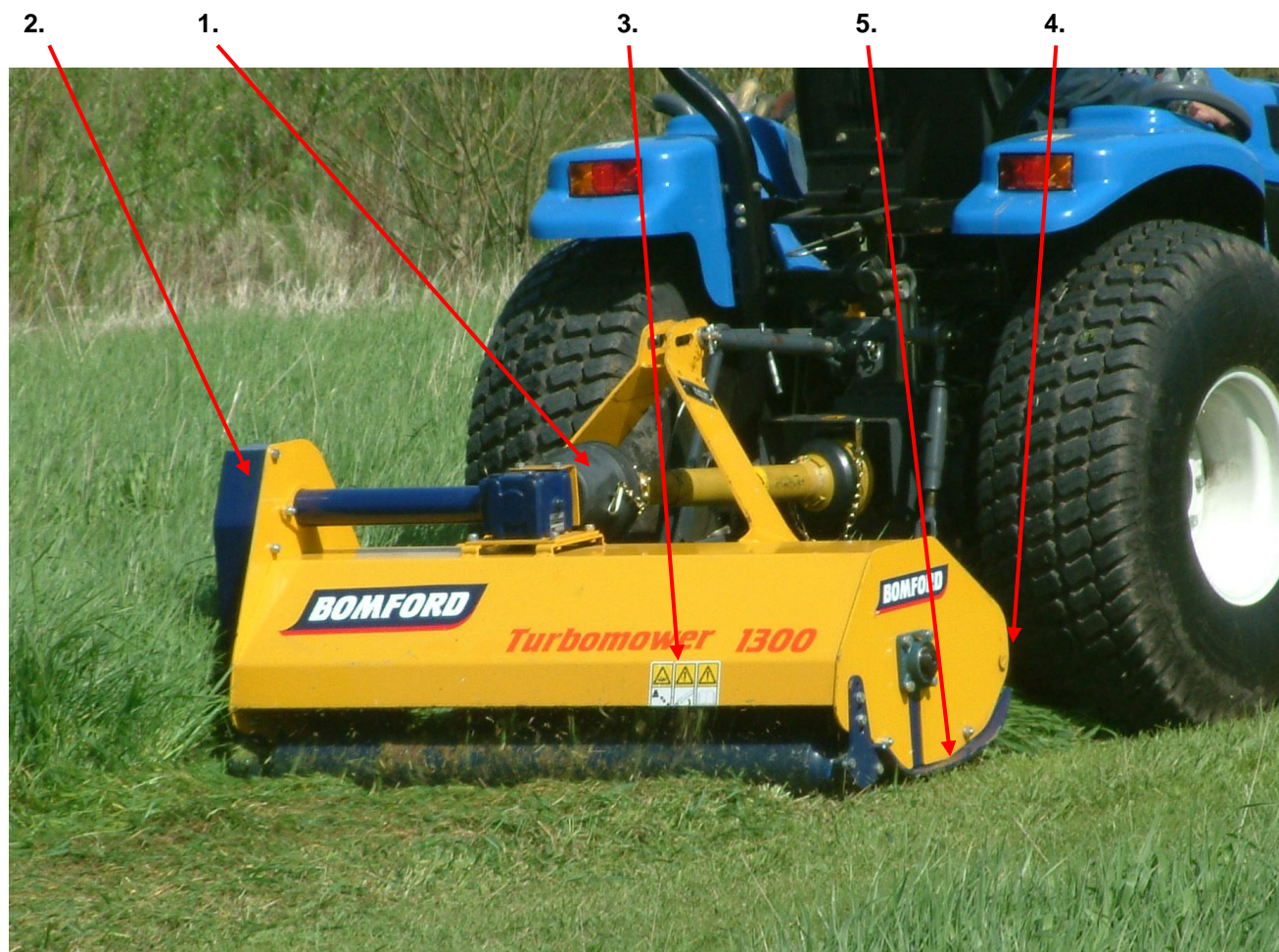
3.3 Safety Rules during use

- Pay special attention when working with the machine and do not touch fixed objects such as road drains, walls, shafts, curbs, guard rails, tracks etc. as this could break the flails which could cause debris to be thrown at very high speed from the machine.
- If wires, ropes or chains should get entangled in the rotor, **stop immediately**, to prevent danger or damage; stop the rotor and the tractor, take out the starting key. Put on working gloves, 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
5. Side guard-skids

FIG.4

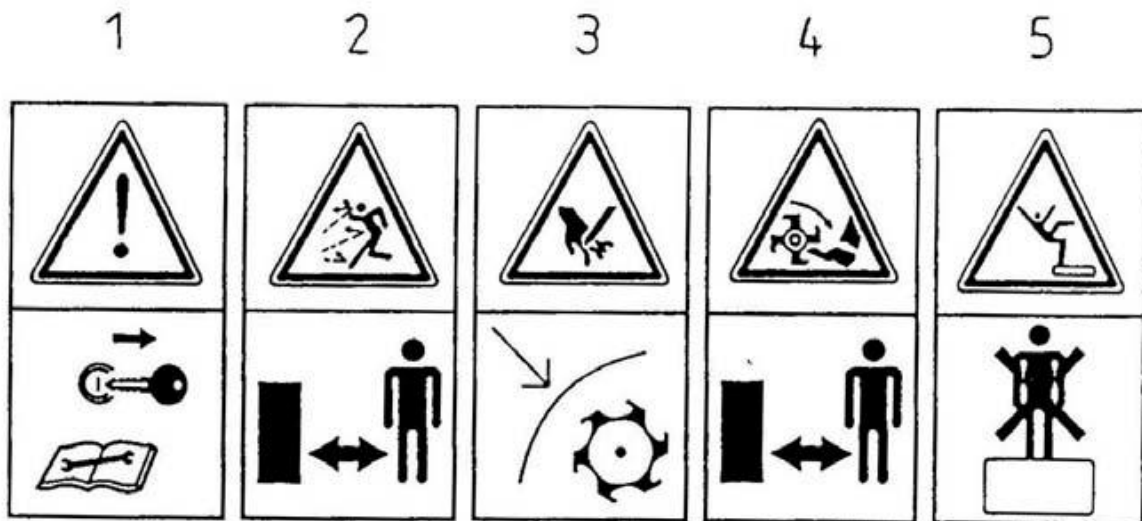


3.5. Description and location of Safety decals

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

1. Always remove the machine from the tractor and read the instruction manual 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 as this could cause injury.
4. Keep clear of rotating flails and keep a safe distance from the machine to avoid injury.
5. Do not stand or sit on the machine as this could cause injury

FIG.5



4 INSTRUCTIONS FOR INSTALLATION AND HANDLING

- 4.1. Lifting and unloading
Use a hoist or a crane with lifting capability suitable to the weight of the machine (see TAB.1 page 8) to move the machine.
- 4.2 Unpacking
To make transport easier, the machine can be supplied with the 3-point linkage removed.
In this case use bolts, locknuts and washers enclosed to fix the linkage onto the machine.
- 4.3.1 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 for defects.
 - 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 (see FIG.12 page 14)
 - Check tractor PTO speed is correct for the machine fitted (see TAB. 1 page 8 or decal on machine - see FIG 7).

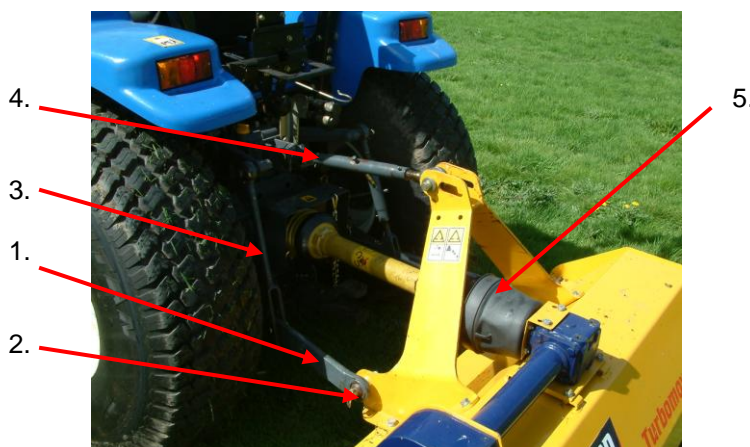
FIG.7



PTO Speed decal

- 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.

FIG 8

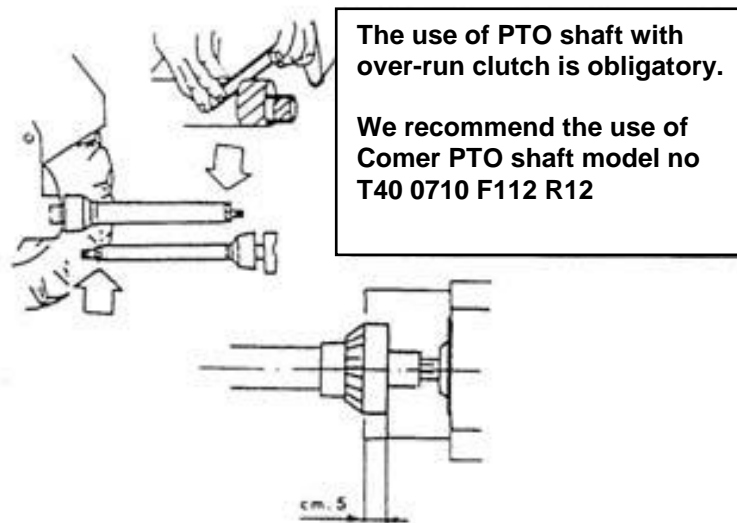


- Fit the top link (4), raise the machine horizontal to the ground. Adjust the two tractor lower linkage stabilizers (3) fixing the machine to the tractor in a central position.
- Proceed in reverse order to detach the mower from the tractor.

4.4. Fitting the PTO shaft

- Following the instructions in 4.3. assemble the PTO shaft (5) and check that the overlap is not less than 2/3 of the overall length. 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.

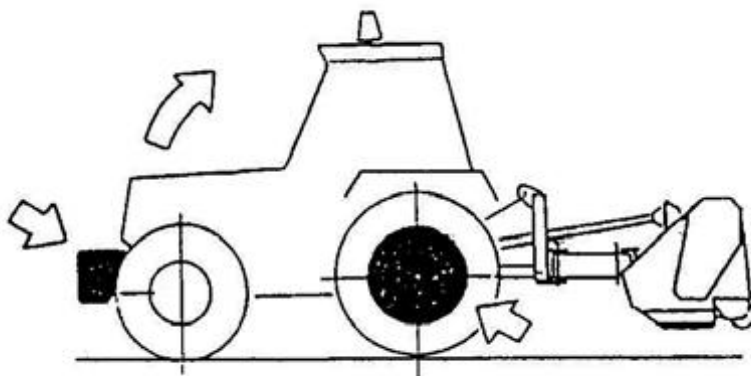
FIG.9



4.5 Tractor stability

- Due to the design of the mower 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 tractor at the front, taking care not to exceed tractor manufacturers' guidelines. (FIG.11).

FIG.11



4.6 Parking

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

FIG.12

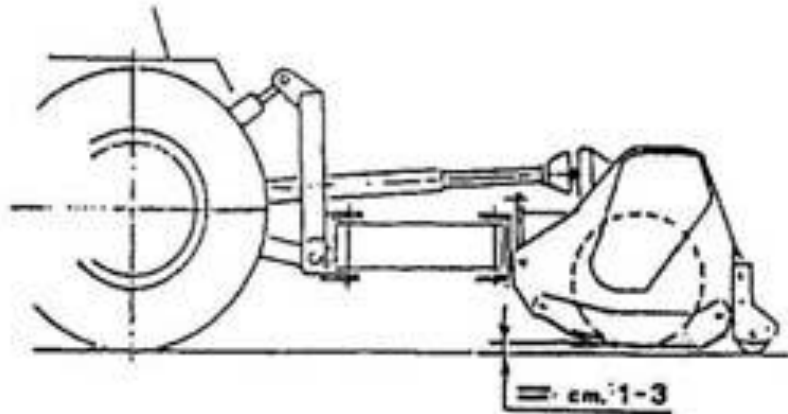


5 ADJUSTMENT AND SETTING UP

5.1. You can adjust the height of cut by raising or lowering 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 read all parts of this manual, particularly about safety. Before using the machine check the tightness of all bolts and the integrity of all guards.

Before beginning work make sure that the machine is in good order with the correct level of oil in the gearbox and that all parts subject to wear and deterioration are in a good and safe condition.

Check that the PTO speed and the rotational direction of the power takeoff of the tractor corresponds to those required by the machine, see decal on the gearbox (FIG.7).

Engage the PTO at low engine RPM to avoid damaging the transmission (gearbox and belts).
CHECK THE OIL LEVEL IN GEARBOX BEFORE STARTING.

6.2. Working mode

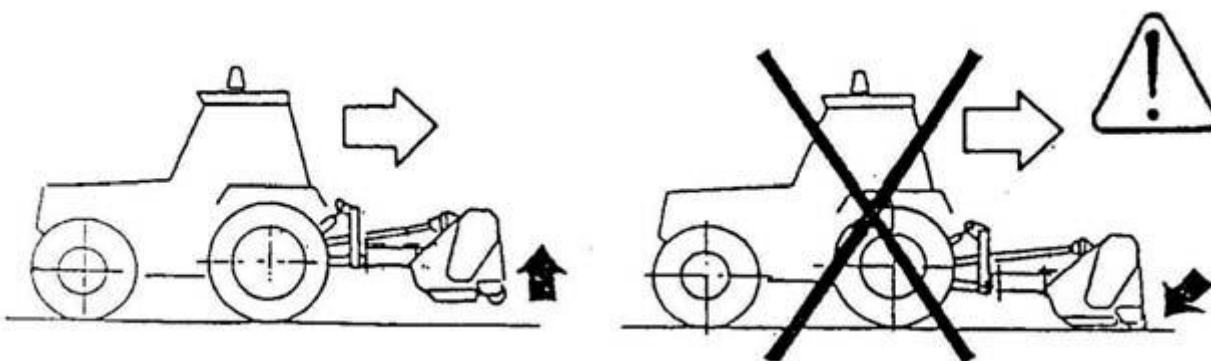
- Adjust the machine to suit the type of work to be done and the material to be cut: adjust the height of cut, as shown in FIG.13.
- Working speed is chosen to suit the material to be cut and the degree of chopping required. The optimum speed ranges from 3 to 8 km per hour.

IMPORTANT: if you want to move the machine from the central to side position proceed as follows:

- unscrew the 3 point linkage hitch
- drill the holes on marked points (upper cover already has got the holes)
- put the 3 point linkage hitch on the new position,
- tighten the screws

IMPORTANT: During reverse movement lift the machine off the ground to avoid damaging the machine (FIG.14)

FIG.14



6.3. Stopping

- 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

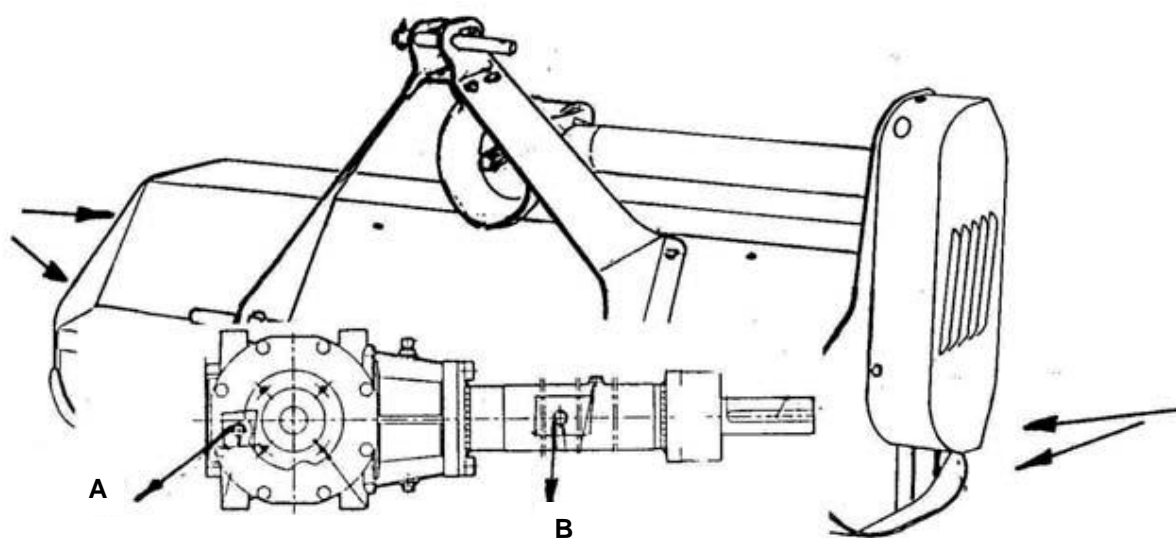
All maintenance, cleaning and repair operations must be carried out with the shredder firmly lowered to the ground and detached from the tractor or with the PTO disconnected, engine off and starting key out.

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.15)

FIG.15



A & B – control oil level points

This operation must always be 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 this 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	<ul style="list-style-type: none"> - worn, bent or broken flails - machine is not level with the ground - clogged material due to excessive working speed 	<ul style="list-style-type: none"> - replace immediately - level it – check roller - reduce working speed - forward speed tractor / PTO speed
Machine noise	<ul style="list-style-type: none"> - loose bolts - cracks or damage of flail head 	<ul style="list-style-type: none"> - tighten bolts - repair head in specialised workshops
Gearbox noise	<ul style="list-style-type: none"> - lack of oil - worn gears - worn bearings 	<ul style="list-style-type: none"> - fill to level - replace gears - replace bearings
Vibration	<ul style="list-style-type: none"> - broken or worn flails - unbalanced rotor - worn rotor bearings 	<ul style="list-style-type: none"> - replace flails immediately - replace in authorised workshops
Premature flail wear	<ul style="list-style-type: none"> - flails touching the ground 	<ul style="list-style-type: none"> - adjust the height of cut via roller
Excessive backlash	<ul style="list-style-type: none"> - worn pins 	<ul style="list-style-type: none"> - replace pins in joints
Breakage of roller Bearings	<ul style="list-style-type: none"> - violent impact on the ground when the machine is lowered - dirty or little greased bearings 	<ul style="list-style-type: none"> - lower it gently, check for damage - clean and grease – check for vibration
Belts overheating	<ul style="list-style-type: none"> - flails touching the ground - working speed unsuitable to the amount of the material to be cut 	<ul style="list-style-type: none"> - adjust the height of cut via roller - Reduce speed, tractor forward speed and PTO revs/speed

9 REPLACING PARTS

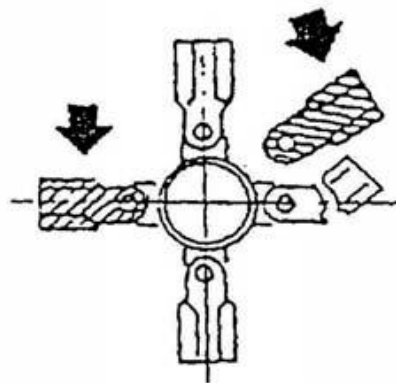
Before carrying out any work, it is mandatory to:

- lower the machine to the ground
- disconnect the PTO, stop the tractor and take out the starting key
- wear working gloves / safety equipment

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.16)

FIG.16

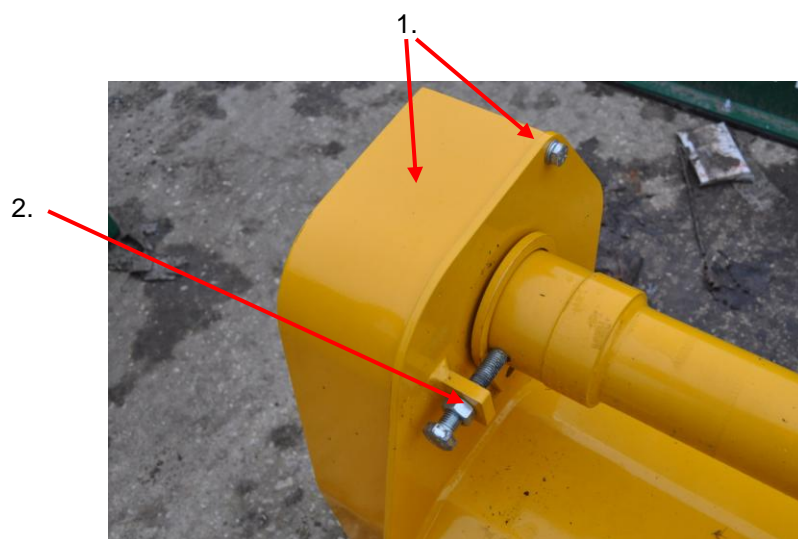


9.2. Belt replacement

- This operation must be carried out with the machine lowered to the ground, stop the PTO and remove the starting key out
- Remove the belt guard, slacken the screws (1) (FIG.17), unscrew the tensioner (2), remove the belts and replace them with belts of the same specification (dimensions and type)

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

FIG. 17



10 DEMOLITION / RECYCLING DIFFERENTIATED DIVISION OF THE MATERIALS AND DISPOSAL

If the machine is out of order, all of its parts that may cause danger have to be made safe. 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 must be carried out in respect of the present provisions of law on the subject

11 SPARE PARTS

REF	DESCRIPTION	PART No.	QUANTITY	
			130	150
1	FRAME - 130	1061585	1	-
	FRAME - 150	1061586	-	1
2	LINKAGE	1061001	1	1
3	ROTOR - 130 (HAMMER FLAILS)	1061587	1	-
	ROTOR - 130 (Y-BLADE FLAILS)	1061588	1	-
	ROTOR - 150 (HAMMER FLAILS)	1061589	-	1
	ROTOR - 150 (Y-BLADE FLAILS)	1061590	-	1
4	REAR ROLLER - 130	1061003	1	-
	REAR ROLLER - 150	1061591	-	1
5	BELT SHIELD	1061038	1	-
	BELT SHIELD	1061592	-	1
6	SKID - L/H	1061004	1	1
	SKID - R/H	1061005	1	1
7	REAR ROLLER BRACKET	1061006	2	2
8	PTO SHIELD BRACKET	1061007	1	1
9	GEARBOX L5A - 530	1061008	1	-
	GEARBOX L5A - 530 LH	1061593	1	-
	GEARBOX 530-1000RPM	1061594	1	-
	GEARBOX 530-1000RPM LH	1061595	1	-
	GEARBOX L5A - 615	1061596	-	1
	GEARBOX 615-1000RPM	1061597	-	1
	GEARBOX 615-1000RPM LH	1061598	-	1
10	GEARBOX PLATE	1061599	1	1
11	GEARBOX FLANGE	1061009	1	1
12	FLAP 140	1061010	7	10
	FLAP 150	1061011	2	-
13	FLAP BAR - 130	1061012	1	-
	FLAP BAR - 150	1061600	-	1
14	PULLEY 200/55-3	1061602	1	1
15	PULLEY 90/55-3	1061604	1	1
16	STRAIN PULLEY	1061605	1	1
17	STRAINER HOLDER	1061606	1	1
18	TAPER LOCK	1061017	1	1
19	TAPER LOCK	1061018	1	1
20	ROTOR SHAFT FLANGE	1061019	2	2
21	WASHER	1061607	1	1
22	PIN	1061168	1	1
23	PIN	1061022	2	2
24	PTO SHIELD	1061608	1	1
25	BELT	1061609	3	3
26	HAMMER FLAIL (<i>Standard Build</i>)	1061033	18	20
27	Y-BLADE FLAIL (<i>Optional</i>)	1061034	36	40
28	BLADE SLEEVE (<i>use with Y-blade only</i>)	1061416	18	20
29	SPACER (<i>use with Y-blade only</i>)	1061036	72	80

REF	DESCRIPTION	PART No.	QUANTITY	
			130	150
30	PIN	1061097	3	3
31	BEARING & CASING	1061610	2	2
32	BEARING & CASING	1061611	2	2
33	BEARING	1061040	1	1
34	BOLT	9313034	4	4
35	BOLT	9213045	7	7
36	BOLT	9213055	4	4
37	BOLT	9213065	15	15
38	BOLT	9213075	4	4
39	BOLT	9213125	1	1
40	BOLT	9313076	6	6
41	BOLT	1061132	18	20
42	NUT	9143004	4	4
43	WASHER	9100104	4	4
44	LOCKNUT	9160005	13	13
45	LOCKNUT	1061042	18	20
46	NUT	9143005	9	9
47	NUT	9117009	2	2
48	SLIDE PC INT	1061026	1	1
49	WASHER	9100105	22	22
50	WASHER	9100106	12	12
51	WASHER	05.281.14	2	2
52	SPRING WASHER	9100205	23	23
53	SPRING WASHER	1061583	2	2
54	SLIDE PC INT	1061027	1	1
55	SPLIT PIN	1061077	1	1
56	BOLT	1061584	6	6
57	SPRING WASHER	9100206	6	6
58	FRONT KIT - 130	1061612	1	-
	FRONT KIT - 150	1061613	-	1
59	BEARING CAP	1061614	1	1
60	BOLT	9213055	6	6
61	WASHER	9100105	6	6
62	LOCKNUT	9143005	6	6
63	WASHER	9100108	1	1
64	RUBBER GUARD - 130	1061615	1	-
	RUBBER GUARD - 150	1061616	-	1
65	GUARD BAR - 130	1061617	1	-
	GUARD BAR - 150	1061618	-	1
66	HOOK FOR PTO SHAFT	1061551	1	1

