

FIELDMASTER®

SABRE 1200 / 1500 ROTARY SLASHER / TOPPER

Issue Date: June 2011



Sabre 1200

**OWNERS/OPERATORS MANUAL
AND SPARE PARTS LIST**

Introduction

Your Sabre Slasher has been designed to do a range of work to your satisfaction. This list of instructions covers the basic requirements for maintenance and will ensure good service if carried out.

Cautionary Advice

Special safety features are incorporated in the design of this machine for your protection but careless operation can still cause damage or injury.



DON'T let familiarity trap you into danger.

DON'T attempt to clear away any obstruction whatever while the machine is operating or spinning to a stop.

KEEP WELL AWAY from machine if cutter is spinning.

SPECTATORS (particularly children) must be kept well away while machine is operating as sticks and stones can fly further than thought.

MAKE REGULAR INSPECTION of the cutter assembly for fracture and be sure that flails and flail plate are securely attached. Replace if any irregularity or excessive wear shows.

Fitting to the Tractor

The mower is attached to the tractor three point linkage in normal manner. The telescopic drive shaft can then be fitted.

Fit stabiliser bars or chain.

Fit the drive shaft securely to the tractor P.T.O. and gearbox input shaft. Ensure that both splined yokes are securely fastened to the splined shaft on both the tractor and the mower.

See notes on drive shaft.

Important Notes

CORRECT SET-UP OF 'FLOATING TOP LINK' SLOT / CONNECTION TO TRACTOR:

- 1) Once the machine is connected to the tractor, set the tractor and machine down on flat ground (preferably concrete)
- 2) Lift the lower link arms slightly to just take the weight of the front of the machine (i.e. the front of the skids would be 5mm off the ground). If machine fitted with front wheels or rollers these should be set to just run on the ground.
- 3) Set the lower link draft arms of the tractor at this position so they cannot go lower than this, and ensure they can float. (I.e. not fixed)

- 4) At this point, set the top link into the centre of the top link slot (not the hole)
- 5) Ensure the fixed top link hole is only ever used during transport of the machine.

Following this correct procedure will ensure:

- A good even cutting finish
- Reduce the possibility of scalping or digging in
- Extended wearing life of the side skids
- Machine construction is relieved of undue stresses

Failure to set up as above can result in serious damage to the machine caused by tractor weight transferring to headstock and chassis which is NOT covered by the warranty.

Before commencing work you will want to adjust the height of the cut. With your FIELDMASTER SABRE Series here are numerous cutting heights to achieve the optimum desired length of cut to prevent scalping and give an even and accurate cut. N.B. Machine is designed / factory set with correct 'lean-in' angle (blade tip lower at front than rear) for efficient cutting and discharge.

Simple adjustment is carried out by removing the bolts on the side of the skids and relocating them once the skids have been raised or lowered.

There are three basic ways to adjust the height of the cut:

- 1) By adjusting the skids in relation to mowing deck;
- 2) By adjusting the rear roller or wheels in relation to the mowing deck and skids; (if fitted)
- 3) By adjusting both the roller assembly or wheels separately (if fitted) in relation to the mowing deck to give a wide range of roller-to-skids positioning in conjunction with altering the height of cut.

It is important to set your FIELDMASTER SABRE up correctly for mowing according to the ground conditions.

Firstly, in the optimum flat field mowing the FIELDMASTER should be used on the roller only with the skids approximately one inch higher above the roller to give stability on any slight unevenness and to avoid any undue lateral roll of the FIELDMASTER at higher speeds.

Secondly, where mowing is not in so perfect a condition, it is important that the skids are set at approximately the same height as the roller when fitted.

Thirdly, in more extreme undulations and rougher ground it is best to have the roller (where fitted) about one inch above the skids.

These three setting positions for three different types of mowing applications have proved to be the most satisfactory.

There are other points which could be mentioned, such as wet conditions where it's important that the roller takes most of the weight of the machine rather than the skid to

avoid skid marks and also in very dry conditions if the ground is reasonable skid wear can be reduced with more pressure on the roller. However, individual conditions and varying operators will find success sometimes in the varying of these conditions. A finer adjustment can be achieved by lengthening or shortening the tractor top link arm.

It is important that the top link arm is adjusted so that the skid runners are running parallel with the ground. This will automatically give the mowing deck approximately 3/4" (19mm) 'lead-in' required for good mowing. This check should be made with tractor and mower on level surfaces with mower in cutting position.

The best cutting performance will be gained when a RPM speed of 540 RPM is maintained.

The Telescopic Drive Shaft

There is a wide range of tractors and the horizontal distance between the power take off shaft and the drawbar varies considerably. A specific instruction for each would require extensive research. However, taking for example the minimum and maximum conditions, safe working lengths of the drive shaft are as follows:

Once the shaft is fitted to the machine or tractor a simple test should be carried out. On raising and lowering the machine fully on the linkage arm, at no point of time should the P.T.O. shaft be fully compressed. During the raise and lowering travel, when the P.T.O. shaft is at the shortest length, allowance should be made for the shaft to compress a further 40mm, but taking care that the shaft is not cut too short so that at the longest point during travel has still got at least 100mm of contact with both inner and outer tubes.

Ensure that both splined yokes are securely fastened to the splined shafts on both the tractor P.T.O. and mower gearbox input shaft.

Routine Lubrication and Maintenance



- 1) Grease the sliding shaft and tube of the driveshaft every 20 working hours. The

shaft should be pulled apart to ensure sufficient application of grease.

- 2) Grease the driveshaft cross and bearings every 10 working hours.
- 3) Check gearbox oil before use every time. Top up with EP 90 extreme pressure or alternative.



Points to Remember

- 1) Fast forward speed leaves longer stubble. The slower the speed, the better the finish.
- 2) Maintain skids parallel to each other by always adjusting bolts to same height holes each side.
- 3) High P.T.O. revs. will slightly lift blades, which will cut higher than expected.

- 4) Best performances from your Sabre Slasher will be gained when the P.T.O revolutions are maintained between 540 and 650 r.p.m.
- 5) Always ensure that the front of skids are in contact with the ground. Failure to do this will cause poor cut quality.

When fitting blades, special care should be taken to ensure that the genuine attaching bolt is done up tight and that the split pin is located through the nut. Blades should now be free swinging on the special hardened bush which is locked tight with the bolt.

Routine Servicing - IMPORTANT!

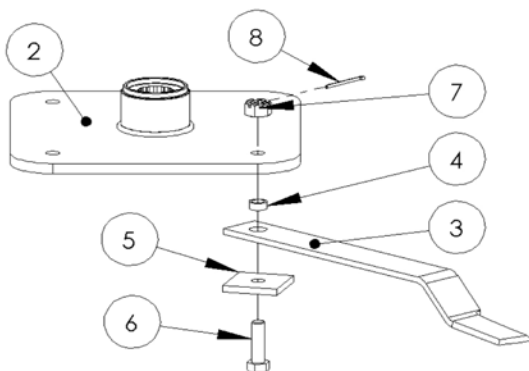
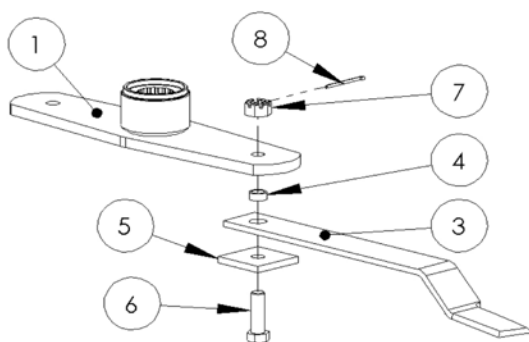
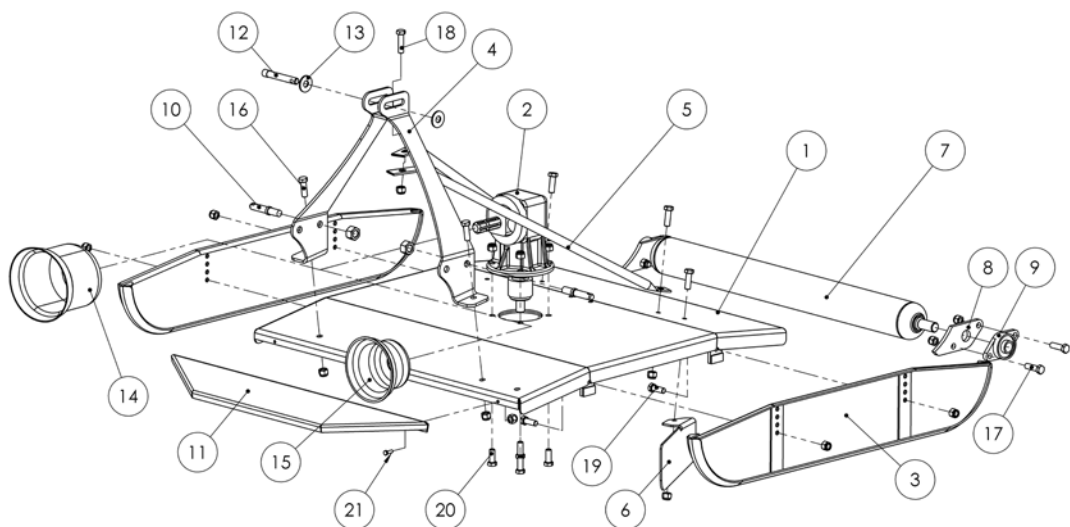
Like all machinery and motorcars, your Flailmaster must be routinely serviced and checked as follows:

After the first 10 - 15 hours of use: check all gearbox mounting bolts. A-Frame bolts, skid and or roller or wheel mounting bolts, check flail and cutter bolts are tight. These will tend to "bed in" after the first 10 - 15 hours and must be checked. Check all oil levels, driveshaft grease, universal joints, and roller and wheel bearings. Check main hub (holding flail/blade carrier to gearbox) is tightened as this is a taper spline shaft that also takes some "bedding-in" and must be tightened.

At the end of the mowing season: we request that you call your Fieldmaster agent to have an "out of season service". This will repeat all of the above service checks along with replacement of blade tips, blade sharpening, balance check, check and or replace any worn roller bearings, wheel bearings and ensure the machine is running correctly ready for the next season. FAILURE TO ATTEND TO SERVICING AS SHOWN ABOVE WILL ONLY CAUSE PREMATURE FAILURE OF SOME COMPONENTS. THIS TYPE OF FAILURE IS NOT COVERED BY WARRANTY.

REMEMBER!
USE OF NON GENUINE FIELDMASTER PARTS
WILL INVALIDATE WARRANTY!!

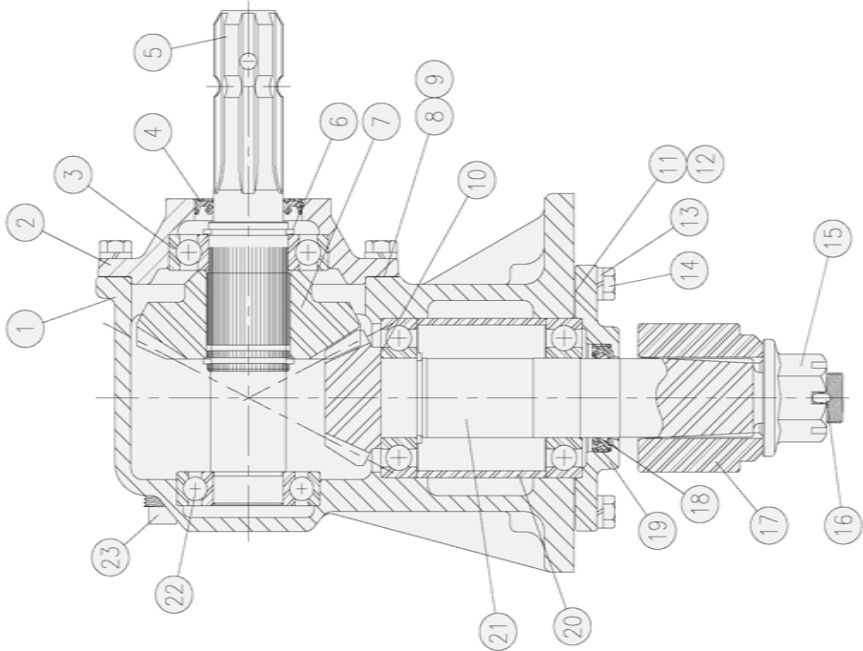
We reserve the right to change or alter specifications without notification.



ITEM NO	PART NO	DESCRIPTION	QTY
1	641200	Main Chassis (Sabre 1200)	1
	641500	Main Chassis (Sabre 1500)	1
2	01-004	Gearbox	1
3	1828.J3	Skid LH or RH (Sabre 1200)	2
	1838.J3	Skid LH or RH (Sabre 1500)	2
4	681200	Headstock	1
5	691200	Rear Stay Sabre 1200 - (1 pair)	1 pair
	691500	Rear Stay Sabre 1500 - (1 pair)	1 pair
	81230	Rear Stay Bolt, Nylock & Washer	2
6	691205	Grass Flow Vane (optional) (Sabre 1200)	1
	691505	Grass Flow Vane (optional) (Sabre 1500)	1
7	981771	Rear Roller (Optional) (Sabre 1200)	1
	98771.01	Rear Roller (Optional) (Sabre 1500)	1
8	988707	Rear Roller Bracket /Optional (1 pair)	1
9	1199B	Rear Roller Bearing only	2
	1199A	Bearing Housing	2
	1199C	Bearing Cover	2
10	5042	Lower Link Pin, Cat 1	2
11	147024	Front or Rear Guard 1200 (optional)	1
	147029	Front or Rear Guard 1500 (optional)	1
12	5040	Top Link Pin, Cat 1	1
13	5040.01	Washers - Top Link Pin	2
14	21904.02	PTO Cone (For Clutch Option)	1
15	21901	PTO Cone Std	1
	M8X16	PTO Cone Mounting Bolt	2
16	B1640	M16 x 40 Bolt, Nylock & Washers	2
17	116014.01	M16 x 60 Bolt, Nylock & Washers	4
18	B1650	M16 x 50 Bolt, Nylock & Washers	3
19	B1240	M12 x 40 Bolt, Nylock & Washers	4
20	B1650	M16 x 50 Bolt, Nylock & Washers	4
21		Guard Mounting bolt/nut	

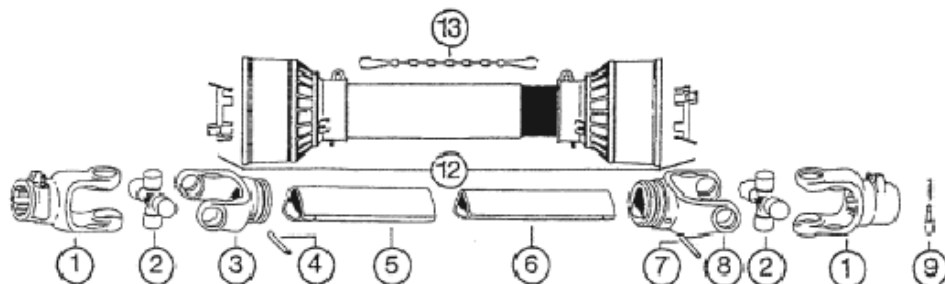
ITEM NO	PART NO	DESCRIPTION	QTY
1	1858	Blade Carrier, 2 Blade (Sabre 1200 & 1500)	1
2	1868	Blade Carrier, 4 Blade (Sabre 1200 & 1500)	1
3	1572	Flail Sabre 1200 (65 x 10 x 440)	2 or 4
	1567	Flail Sabre 1500 (65 x 10 x 560)	2 or 4
4*	1778	Flail Bush	2 or 4
5	1849.J2	Retaining Plate	2 or 4
6*	188	Flail Bolt	2 or 4
7*	368	Castle Nut	2 or 4
8*	02-402	Split Pin	2 or 4
*	188-P	Flail Bolt Kit (2 of each items*)	

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	18-010	Housing	1
2	20-007	Input Cap	1
3	04-003	Ball Bearing 208	3
4	05-002	Input Seal	1
5	02-034	Input Shaft	1
6	21-012	Retaining Ring	3
7	03-003	29 Tooth Input Gear	1
8	08-004A	Input Gasket (0.30)	VAR
9	08-004B	Input Gasket (0.13)	VAR
10	17-004	Steel Shim (0.20)	1
11	08-005A	Output Gasket (0.30)	VAR
12	08-005B	Output Gasket (0.13)	VAR
13	07-001	Ø 10 Lockwasher	10
14	06-008	3/8" - 16 X 1" Cap Screen	10
15	11-008	1" - 14 Slotter Flange Hex Nut	1
16	12-003	Cotter Pin	1
17	15-001	Blade Hub	1
18	05-005	Output Seal	1
19	20-003	Output Cap	1
20	10-002	Output Bearing Spacer	1
21	03-004	15 Tooth Output Sft & Pinion	1
22	04-004	Ball Bearing 207	1
23	09-002	1/2" Oil Fill Plug	1
24	09-005	1/8" Level Plug	1
25	12-021	I.D. Tag Rivet	2
26	13-004	I.D. TAG	1



SABRE DRIVESHAFT ASSEMBLY

A4061007 / A4086007



ITEM NO.	PART NO.	DESCRIPTION	QTY
1	507040351	Yoke Quick Release	2
2	41204	Universal Joint	2
3	204046851	Outer Tube Yoke	1
4	341038000	Outer Roll Pin	1
5	12508	Triangle Tube Outer	AS REQ
6	12507	Triangle Tube Inner	AS REQ
7	341048000	Inner Roll Pin	1
8	204046852	Inner Tube Yoke	1
9	43000001	Release Pin	2
12	4086FF	Guard Assy Complete	1
13	252000001	Safety Chain	1

ALWAYS QUOTE MODEL AND SERIAL NO. WHEN ORDERING PARTS.

PLEASE QUOTE MAKE OF DRIVESHAFT AND SIZES OF PART REQUIRED
WHEN ORDERING TO ASSIST WITH SPEEDY IDENTIFICATION OF
CORRECT PART REQUIRED.

WARRANTY

The manufacturer's obligation under this warranty is limited to correcting without charge at its factory or by one of its authorised Dealers, with the manufacturer's approval, any parts thereof, within 12 months from date of purchase by the original user, and which upon examination shall disclose to the manufacturer's satisfaction to have been originally defective.

Correction of such defect by repair to, or supplying of replacements of defective parts, shall constitute fulfillment of all obligations to the original user: Manufacturer shall not be liable for loss, damage, or expense directly or indirectly from the use of its product or from any other cause. Defective parts must be returned freight paid each way by the purchaser to the manufacturer.

This warranty shall not apply to any parts which must be replaced because of normal wear, or which have been subject to misuse, negligence or accident or which have been repaired or altered outside of the manufacturer's factory, unless authorised by the manufacture. This warranty should not be construed as a free service period during the warranty period.

No person, agent, or dealer is authorised to give any warranties on behalf of the manufacturer nor to assume for the manufacturer any other liability in connection with any of its product unless made in writing from the manufacturer.

FIELDMASTER[®]

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Notes

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