

FIELDMASTER®

M-Fifty, M-Sixty, M-Seventy Rotary Slasher / Topper

Issue Date: October 2011



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

Introduction

Your FIELDMASTER® M50/M60/M70 has been designed to do a range of work to your satisfaction. This list of instructions covers the basic requirement for maintenance and will ensure good service if carried out.

Please read the whole of this manual and familiarise yourself and/or any other operators that may be required to operate this machine before attempting to:-

- (a) fit the machine to the tractor,
- (b) carry out any adjustments,
- (c) operate the machine.

Cautionary Advice

Special safety features are incorporated in the design of this machine for your protection. However it can still be highly dangerous to the careless operator. Note carefully the following

DON'T let familiarity trap you into danger.

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

DON'T attempt to clear any obstruction around the machine unless cutter is stationary.

KEEP WELL AWAY from machine if cutter is spinning.

SPECTATORS (particularly children) must be kept away while operating as sticks and stones can fly further than you think.

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

Fitting to the Tractor

When delivery of the machine is taken it will be found that it is almost ready to go into operation. Adjust the length of the top link so that the machine sits squarely on flat ground, with the floating toggle link on a 45° angle pointing down - (This means the toggle will float forwards or backwards equal amounts, to allow the machine to 'float' on undulating ground - pivoting on the lower linkage pins.

Fit stabiliser bars or chains.

The top and lower linkage pins are a 'dual category' pin designed for both CAT I and CAT II tractors. Select the appropriate size and secure in the clevis with lynch pins provided.

Fit the driveshaft 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. Check that the drive shaft is not too extended or compressed when the machine is raised or lowered. See notes on drive shaft.

Adjust the height of cut simply by raising or lowering skids. The higher positions for use in pasture topping or rubbish cutting are by means of the bolt holes nearer the top of the skids. For the finer, lower cutting adjustments lower bolt holes should be used.

The Telescope Drive Shaft

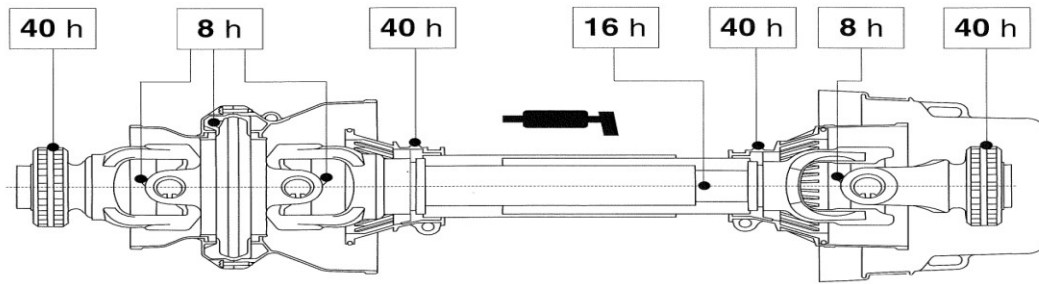
After hitching up, the telescopic drive shaft can be attached. Careful attention should be given because only correct fitting of this unit can give the best service.

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.

Check the driveshaft length to ensure shaft does not "bottom-out" when machine is raised.

Should your driveshaft need shortening, simply remove the plastic safety covers and cut the steel tubing to the required length with a saw, remove any rough edges or burrs, then refit the safety covers.

Ensure that both splined yokes are securely fastened to the splined shaft on both the tractor and the mower.



Routine Lubrication and Maintenance

The greasing and oiling is important and the following guide will help to keep the machine in good condition.

1. Grease the telescoping sliding shaft tubes of the driveshaft once per day. The shaft should be pulled apart to be sure of sufficient application of grease.
2. Grease the driveshaft cross and plastic safety cover bearings once per day.
3. Check Gearbox once per week. SAE 90 EP gear lube is recommended.
4. Check cutting flails each time you use the machine. If any signs of excessive or uneven wear, replace immediately.

Points to Remember

- * Fast forward speed leaves longer stubble.
- * Maintain skids parallel with each other always adjusting the same amount.
- * High P.T.O revs will slightly lift blades.
- * Best performance from your topper will be gained when the tractor P.T.O is maintained between 540 and 600 r.p.m.

Operation

Your M50/M60/M70 can be used for light scrub and rush cutting and pasture topping with little know how on behalf of the operator.

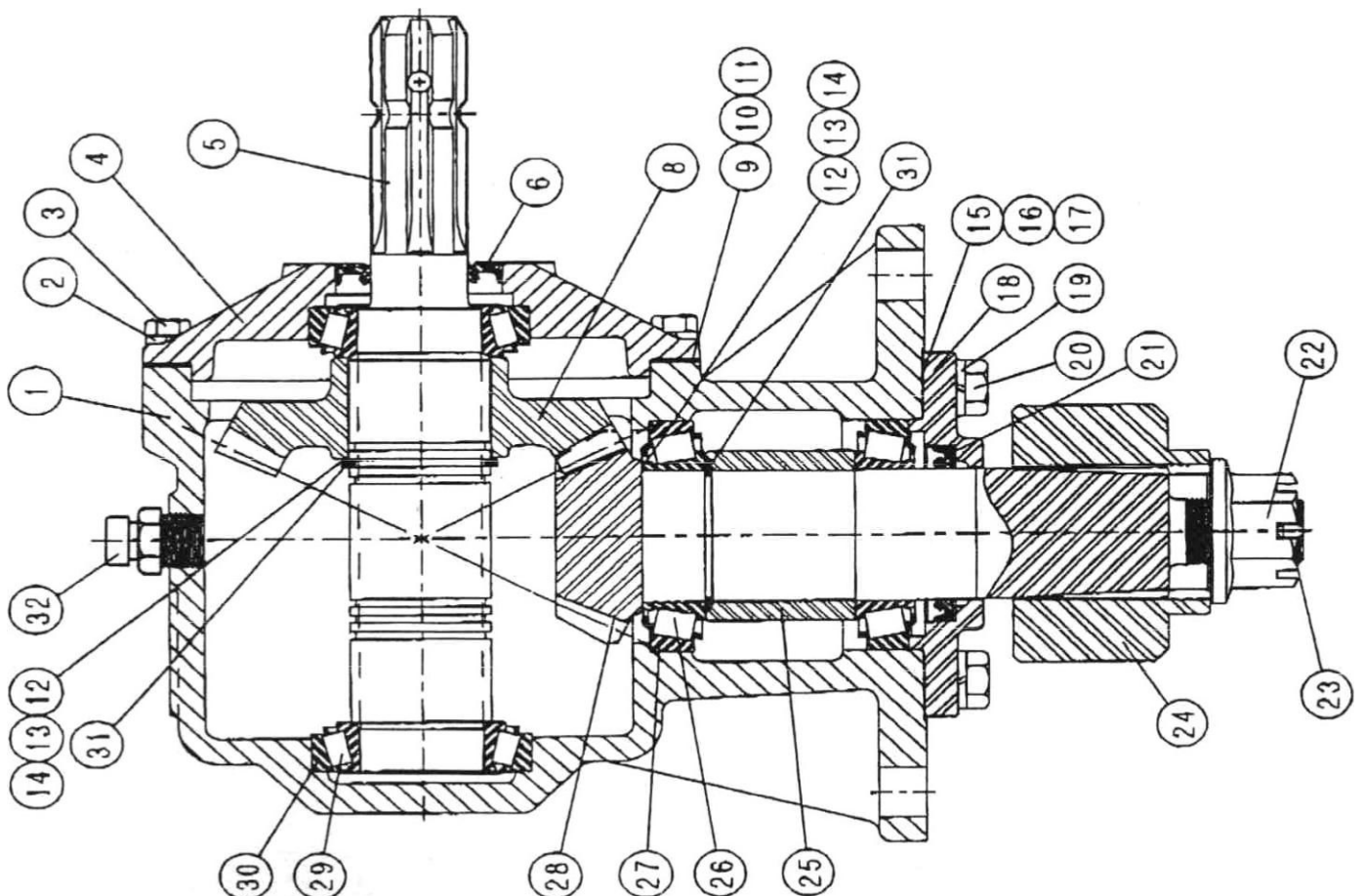
Firstly in heavy cutting the M50/M60/M70 must be used in the top hole of your skids to give maximum clearance. In tackling light scrub or other heavy growth, the tractor must first knock down the material to be cut, preferably with a bar on the front of the tractor, or can be reversed with the M50/M60/M70 slightly raised on the 3 point linkage for the first cut. P.T.O. revs must be always maintained and never allowed to go below 540 r.p.m. Therefore the forward speed of the tractor must be as low as possible in the heaviest conditions to maintain the maximum speed on the M50/M60/M70 rotor while cutting, remembering the M50/M60/M70 is designed to saw into the material, not act as a grubber. After the first cut, and cut material is rotting away, then a second go into the stumps with the machine slightly lower will do an excellent cleanup job.

Slashing rushes with the M50/M60/M70 is different from scrub clearing. The rushes are heavy; go in at the highest position, making sure the blades are sharp, then in heavy rushes allow a week or two for the sun and weather to get into the centre pitch of the rush head or base, then lower the blades quite low, engage the tractor in bottom gear, and you will find the flailplate will remove a lot of the centre dead material in the rushes and give a good clean cut. If this is maintained and drainage effective well stocked rushes can be largely eliminated.

If your M50/M60/M70 has a rear roller fitted, best results are achieved by 'carrying' the machine on the lower linkage pins on the tractor arms, (with the top link toggle loose) and run the machine on the roller. (ie **not** on the skids) NEVER USE THE FLOATING TOGGLE IN FIXED POSITION WITH A REAR ROLLER FITTED.

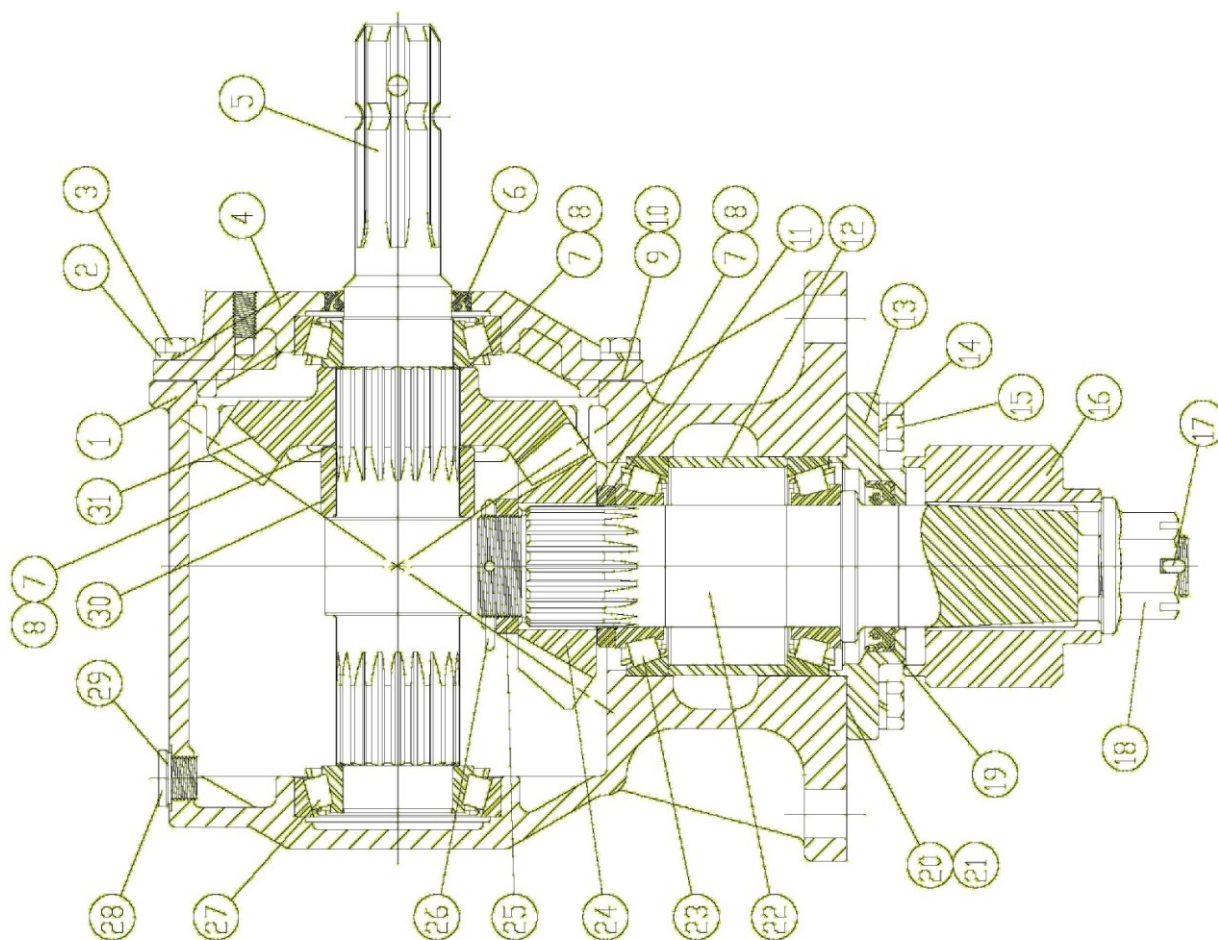
M50 / M60 01-265 GEARBOX

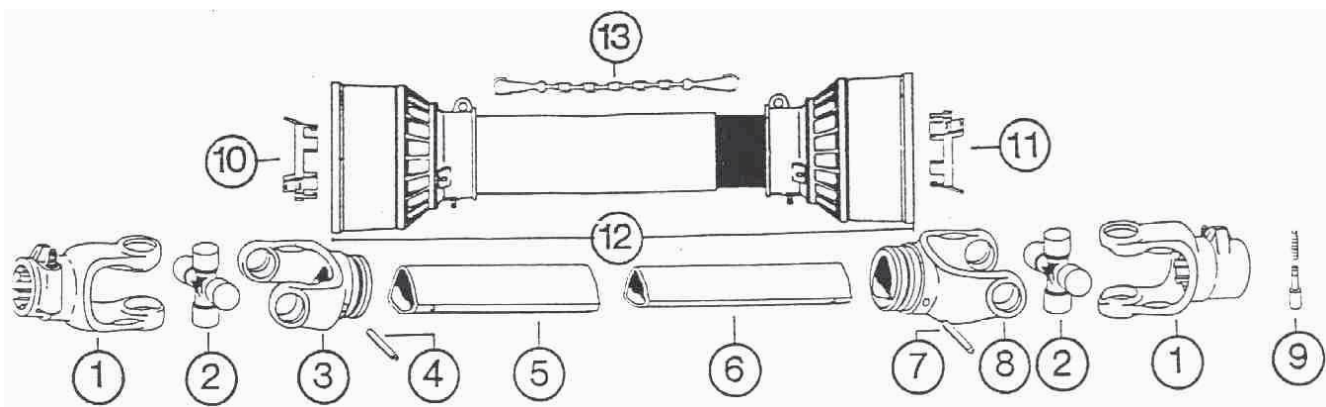
DET.	PART NO.	QTY	DESCRIPTION
1	18-027	1	HOUSING
2	07-001	8	LOCKWASHER
3	06-017	8	HEX HEAD CAP SCREW
4	20-026	1	INPUT CAP
5	02-054	1	INPUT SHAFT
6	05-014	1	INPUT OIL SEAL
8	03-113	1	29 TOOTH GEAR
9	08-006	VAR	INPUT CAP GASKET (0.30)
10	08-007	VAR	INPUT CAP GASKET (0.25)
11	08-008	VAR	INPUT CAP GASKET (0.40)
12	17-001	VAR	SHIM (0.40)
13	17-002	VAR	SHIM (0.30)
14	17-003	VAR	SHIM (0.50)
15	08-001	VAR	OUTPUT CAP GASKET (0.30)
16	08-002	VAR	OUTPUT CAP GASKET (0.25)
17	08-003	VAR	OUTPUT CAP GASKET (0.40)
18	20-025	1	OUTPUT CAP
19	07-010	4	LOCKWASHER
20	08-018	4	HEX HEAD CAP SCREW
21	05-003	1	OUTPUT OIL SEAL
22	11-006	1	FLANGED HEX NUT
23	12-003	1	COTTER PIN
24	15-006	1	2 1/2" BLADE HUB
25	10-083	1	OUTPUT SPACER
26	04-010	2	BEARING CONE
27	04-009	2	BEARING CUP
28	03-112	1	15 TOOTH OUTPUT PINION SHAFT
29	04-007	2	BEARING CONE
30	04-008	2	BEARING CUP
31	21-001	2	RETAINING RING
32	09-008	1	1/2" - 14 NPT VENT PLUG
33	09-002	1	1/2" - 14 NPT LEVEL PLUG
34	13-004	1	I.D TAG
35	12-021	2	I.D TAG RIVET



M70 01-028 GEARBOX

DET.	PART NO.	QTY	DESCRIPTION
1	18-027	1	HOUSING
2	07-001	8	LOCKWASHER
3	06-017	8	HEX HEAD CAP SCREW
4	20-026	1	INPUT CAP
5	02-054	1	INPUT SHAFT
6	05-014	1	INPUT OIL SEAL
8	03-113	1	29 TOOTH GEAR
9	08-006	VAR	INPUT CAP GASKET (0.30)
10	08-007	VAR	INPUT CAP GASKET (0.25)
11	08-008	VAR	INPUT CAP GASKET (0.40)
12	17-001	VAR	SHIM (0.40)
13	17-002	VAR	SHIM (0.30)
14	17-003	VAR	SHIM (0.50)
15	08-001	VAR	OUTPUT CAP GASKET (0.30)
16	08-002	VAR	OUTPUT CAP GASKET (0.25)
17	08-003	VAR	OUTPUT CAP GASKET (0.40)
18	20-025	1	OUTPUT CAP
19	07-010	4	LOCKWASHER
20	08-018	4	HEX HEAD CAP SCREW
21	05-003	1	OUTPUT OIL SEAL
22	11-006	1	FLANGED HEX NUT
23	12-003	1	COTTER PIN
24	15-006	1	2 1/2" BLADE HUB
25	10-083	1	OUTPUT SPACER
26	04-010	2	BEARING CONE
27	04-009	2	BEARING CUP
28	03-112	1	15 TOOTH OUTPUT PINION SHAFT
29	04-007	2	BEARING CONE
30	04-008	2	BEARING CUP
31	21-001	2	RETAINING RING
32	09-008	1	1/2" - 14 NPT VENT PLUG
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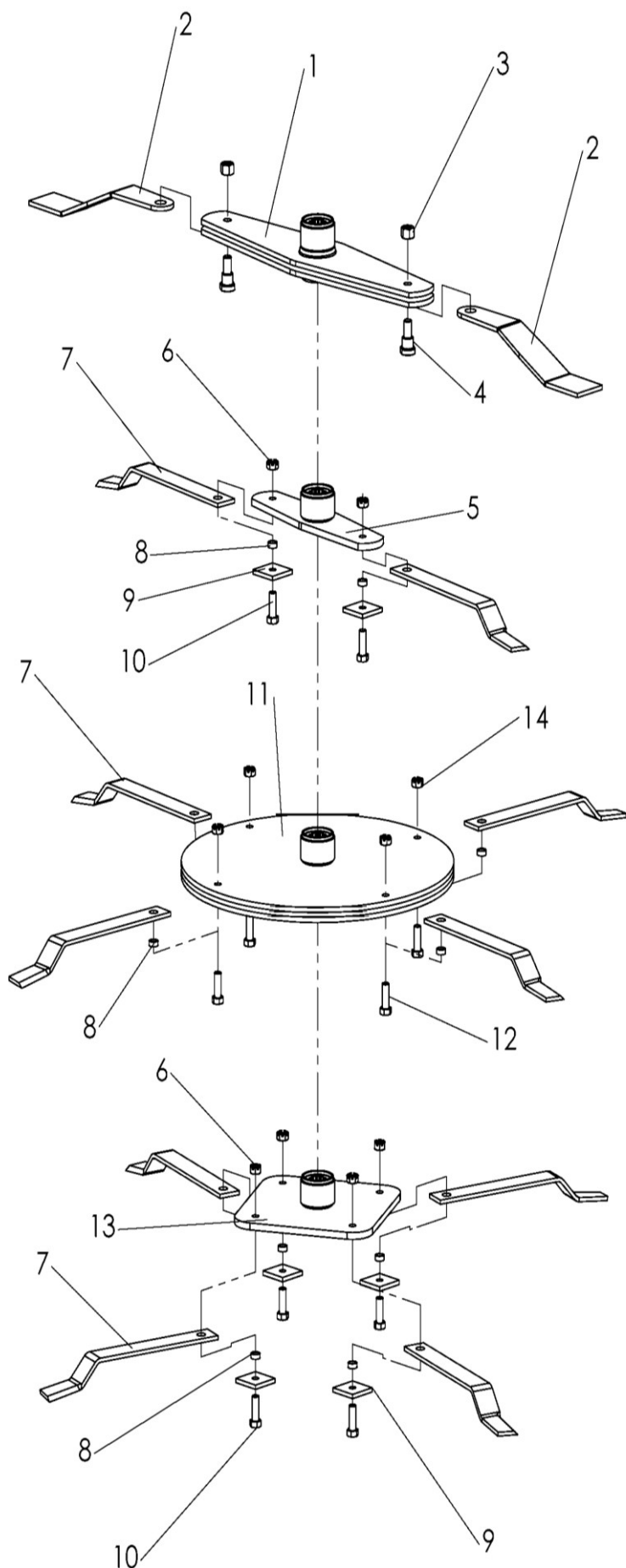


**M50/M60/M70
DRIVESHAFT ASSEMBLY - A6086007**

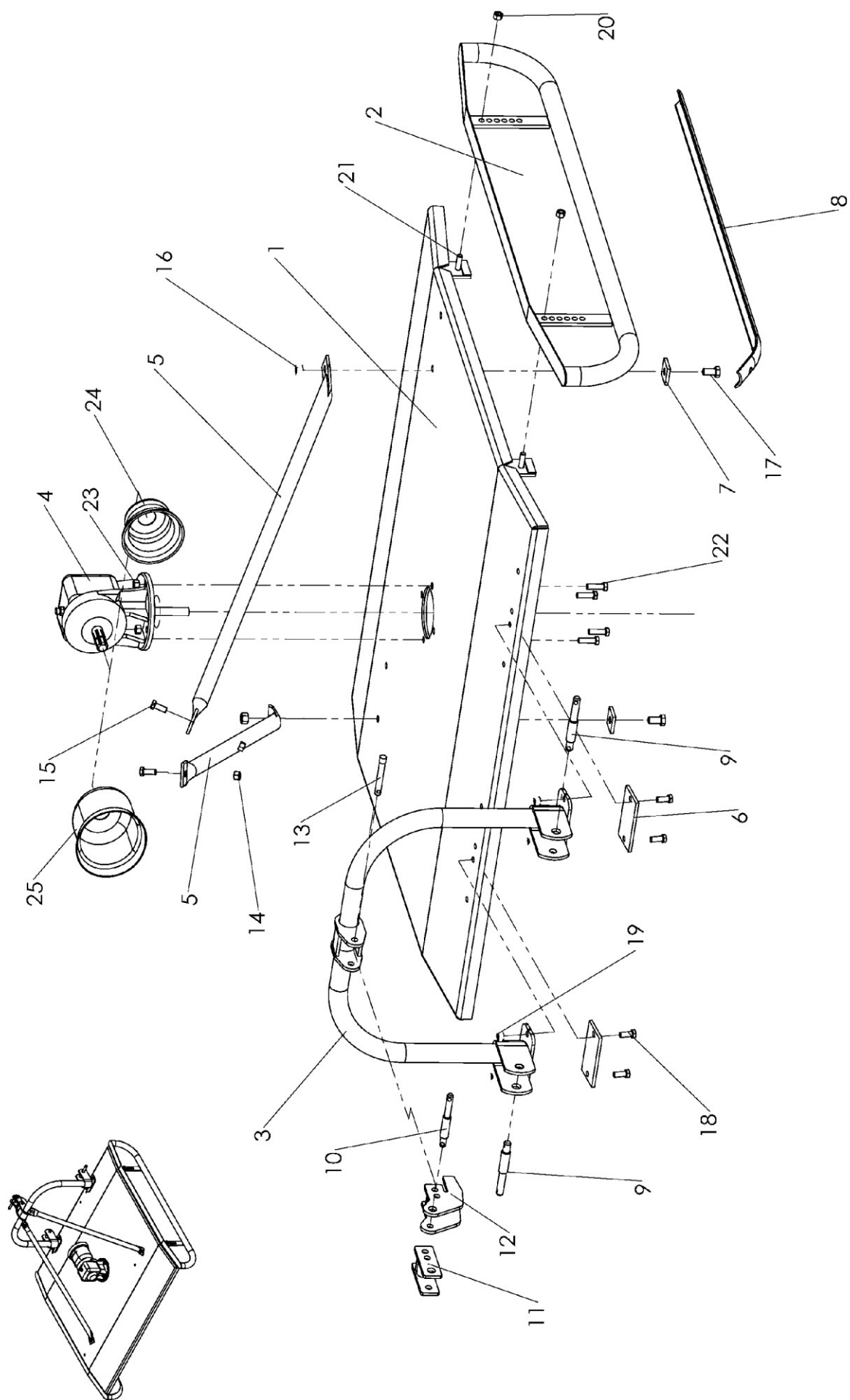
PLATE NO.	DESCRIPTION	PART NO. M50/M60/M70	QUANTITY
1	YOKE QUICK RELEASE	507060351	2
2	UNIVERSAL JOINT	41206	2
3	OUTER TUBE YOKE	204066851	1
4	OUTER ROLL PIN	341042000	1
5	TRIANGLE TUBE OUTER	12512	PER MTR
6	TRIANGLE TUBE INNER	12509	PER MTR
7	INNER ROLL PIN	341043000	1
8	INNER TUBE YOKE	204066852	1
9	RELEASE PIN	403000001	2
10-11	GUARD TUBE BRG PAIR	255060055-6B	1
12	GUARD ASSY (C/W BRGS)	5F06086FF	1
13	SAFETY CHAIN	252000001	1

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

M-Series BLADE ASSEMBLIES



Item No.	Part No.		
	M50	M60	M70
1	N/A	N/A	1866
2	N/A	N/A	1080LH
3	N/A	N/A	$\frac{7}{8}$ Nyloc
4	N/A	N/A	2443
5	1857	1857	N/A
6	368	368	N/A
7	1572	1567	1567
8	1778	1778	1778
9	1849-J2	1849-J2	N/A
10	188	188	N/A
11	N/A	N/A	1862
12	N/A	N/A	2446
13	1861	1861	N/A
14	N/A	N/A	$\frac{7}{8}$ Nyloc



M-Series PARTS LIST

Item No.	Part No.		
	M50	M60	M70
1	503	603	703
2	1838	1838	1839
3	1878-01	1878-01	1878-01
4	01.265	01.265	01.028
5	66	66.01	67.01
6	64	64	64
7	65	65.01	65.01
8	981193	981193	981193
9	5044	5044	5044
10	5043	5043	5043
11	1731A	1731A	1731A
12	N/A	N/A	N/A
13	5074	5074	5074
14	M16Nyloc	M16Nyloc	M16Nyloc
15	M16x40 bolt	M16x40 bolt	M16x40 bolt
16	M16Nyloc	M20Nyloc	M20Nyloc
17	M16x50 bolt	M20x50 bolt	M20x50 bolt
18	M16x45 bolt	M16x45 bolt	M16x45 bolt
19	M16Nyloc	M16Nyloc	M16Nyloc
20	M16 Nut	M16 Nut	M16 Nut
21	53210	53210	53210
22	23612	23612	23612
23	¾ Nyloc	¾ Nyloc	¾ Nyloc
24	21901	21901	21901
25	N/A	N/A	N/A

N/A = Not Applicable



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.

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