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Operator's Manual

MF510

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Index

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<i>Safety Precautions</i>	Page No. 1
---------------------------	------------

<i>Periodic Maintenance</i>	2
Lubrication—Combine	2
Lubrication	9
Maintenance	11
Serial Number Plates	13

<i>Operation</i>	14
Instruments and Controls	14
Operating the Controls	16
Adjustments	17
Reel Speed	18
Reel Speed Chart	18
Reel Drive Belt	18
Table Auger	18
Auger Drive	19
Auger Slip Clutch	19
Knife Drive	20
Knife	20
Table Elevator	20
Table Elevator Drive	21
Table Drive Slip Clutch	21
Table Throw-out Clutch	21
Main Countershaft	22
Separator Clutch	22
Separator Clutch Linkage	23
Cylinder	24
Cylinder Speed Control	24
Cylinder Speed Control Rod	25
Cylinder Drive Belt	25
Cylinder Vari-Drive Spring Tension	26
Cylinder Speed Reduction Gear Box	26
Cylinder Speed	26
Stone Trap	26
Concave	26
Concave Adjustment	27
Beater	29
Cylinder Speed-Concave Adjustment Chart	30
Straw Walkers	31
Pan Under Walkers	31
Shaker Shoe Sieves	32
Sieve Adjustments	32

Fanning Mill	Page No. 33
Fanning Mill Air Valves	34
Returns Auger	35
Returns Elevator and Slingers	35
Gleanings Deflector	36
Returns Auger Slip Clutch	36
Grain Tank Cross Auger	36
Grain Tank Unloader Drive	37
Auger Drive Chains	37
Traction Clutch Pedal	37
Traction Clutch	37
Traction Drive Belts	38
Foot Brakes	39
Parking Brake	40
Steering Arm Stops	40
Steering Linkage	41
Hydraulic System	42
<i>Servicing</i>	43
Knife	43
Knife Guards	43
Knife Guides and Clips	43
Concave	43
Cylinder	43
Sieves	43
Tires	43
Brakes	44
Hydraulic System	44
Threshing Problems	46
Engine	48
Air Pre-cleaner	48
Governor	48
Carburetor	49
Electrical System	49
Regulator	50
Distributor	50
Battery	50
Rotary Air Intake	51
Cooling System	51
Storage	51

<i>Accessories</i>	52
<i>Specifications</i>	54

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Periodic Maintenance

Proper maintenance, including periodic inspection and regular lubrication with correct lubricants as recommended, is essential to long life and trouble-free operation of your new MF 510 Combine.

This section of the manual is devoted entirely to maintenance and should be referred to as a quick reference when maintenance is performed.

LUBRICATION

Many of the bearings on the combine are sealed and do not require lubrication.

Bearings that require lubrication are fitted with grease fittings suitable for use with a pressure grease gun and are shown in the Illustrations throughout the "Lubrication Section" of this manual.

Care should be taken when handling lubricants and containers to keep them clean. Dirt collected in either will be transferred to the parts being lubricated, thus causing undue wear and failure of the parts.

Always clean the tips of the grease fittings before attaching and after removing the grease gun.

Use a lubricant equivalent to Imperial Marvelube 33 or Texaco Marfax No. 2 unless stated otherwise, to lubricate points equipped with grease fittings and lubricate them as indicated (daily) (weekly) in the legend under the illustration.

When lubricating, always put sufficient lubricant in the bearings so that it appears at the outside of the bearing except where recommended otherwise.

Where "Left" or "Right Hand" is referred to throughout the manual, it is determined from the rear, looking toward the front of the machine.

Important: Before adding or changing oil in the engine, read and follow the instructions recommended in the "Engine Lubrication" section of this manual.

COMBINE LUBRICATION POINTS LEFT SIDE

To fill the knife drive housing, raise the table so that the actuating arm 2, Fig. 1 is perpendicular to the ground, then fill the housing with

S.A.E. 90 gear oil up to the oil level plug, located in the rear of housing as indicated at 5, Fig. 1



Fig. 1 Knife and Reel Drive

- | | |
|--|--|
| 1. Knife Head (daily) | 4. Filler Plug |
| 2. Actuating Arm | 5. Oil Level Plug (check oil level weekly) |
| 3. Knife Drive Housing (use SAE 90 gear oil) | 6. Reel Drive Pulley (daily) |

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Fig. 16 Arm Driving Pan—Under-Walkers

1. Arm (daily)



Fig. 17 Rear Carriage

1. Swing Arm on Left King Pin (see note)
2. King Pins, top end (daily)
3. King Pins, lower end (daily)

4. Centre Pivot—front end (daily)
5. Centre Pivot—rear end (daily)

NOTE: In the swing arm 1, Fig. 17, on the left king pin there are two roller bearings (for grain

machines only) which require repacking with bearing grease once each season.