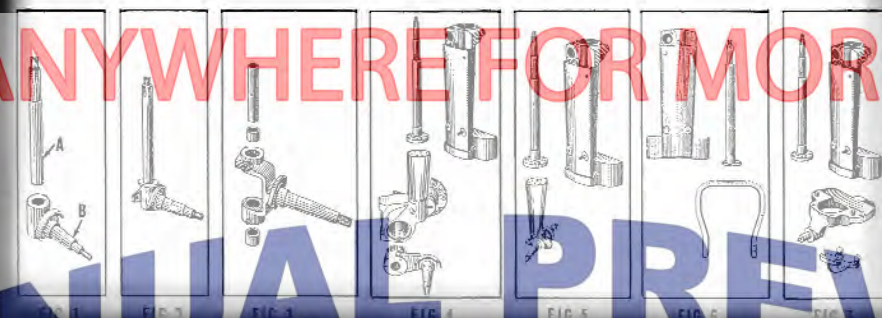


Type Fig. 2 (Bushings Only)		10.50	430-Other Series 420, Single & Dual Wheel Tricycle		14.50
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FRM-MH

FLAT RATES

MASSEY-FERGUSON

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SERIES

MF25
TO35
MF35
MF50
MF65
MF85

MF88
MF90
MF95
MF97
MF98
MF130
MF135

MF150
MF165
MF175
MF180
MF1100
MF1130

MANUAL PREVIEW

Add extra labor to listed allowances when R&R of implements or Orchard fenders or sheet metal is required or where interference is encountered due to presence of LP-Gas system piping, tank or regulator.

Engine serial number is stamped on side of cylinder block.

Tractor serial number is stamped on a plate on side of clutch housing or tractor name plate on instrument panel or battery box.

IMPORTANT OR FREQUENT JOBS ARE INDICATED BY A ★

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INDEX TO FLAT RATE JOBS



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QUICK KEY TO FLAT RATE JOB NUMBERS

A. Front System, Manual
B. Engine and Components
Steering, Power Steering
C. Carburetor, Fuel Supply,
Governor

D. Cooling System
E. Electrical System and
Ignition
G. Diesel System Nozzles,
Pump, Etc.

H. Clutch and Flywheel
K. Transmission, Differential,
Final Drive
L. Belt Pulley, Power Take-Off
M. Brake System

N. Front Wheels
R. Rear Wheels
T. Tractor Clean and Paint
W. Power Lift

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Job Number	DESCRIPTION	Suggested Time	Job Number	DESCRIPTION	Suggested Time
FRONT SYSTEM AND STEERING					
A1—AXLE MAIN MEMBER—R&R OR RENEW					
TO35-MF35-MF50-MF65-MF85		1.0	A7—AXLE BRACE (RADIUS ROD)—RENEW		
MF88		1.5	MF98		0.5
MF95		1.3	All Other Models So Equipped		0.3
MF98		1.6	A7A—RADIUS RODS, BOTH—RENEW		
MF Super 90 Wheat & Rice		1.5	All Models With Two Radius Rods		0.5
Other MF Super 90 Models		1.0	A11—ADJUSTABLE AXLE EXTENSION UNIT, ONE—RENEW		
MF97 (Two Wheel Drive)		1.3	All Models So Equipped		0.8
MF97 (Four Wheel Drive)	Use A100 or A129		Price assumes that new extension comes complete with bushings.		
MF25-MF130		0.8	A12—AXLE PIVOT BRACKET—RENEW		
MF135-MF150-MF165-MF175-MF180		1.0	MF95-MF97		1.3
MF1100-MF1130, Western		2.1	MF98 (Front Bolster)		0.7
MF1100-MF1130, Adjustable Axle		1.9	MF50-MF65-MF85-MF88-MF90-MF150 (Front Bracket)		0.4
			MF180-MF1100-MF1130 (Either Bracket)		0.6
			All Models (Front Support)	Use A19	
A2—AXLE MAIN MEMBER PIVOT—REBUSH			A13—FRONT (ENGINE) FRAME—RENEW		
TO35-MF35-MF135		0.8	MF98 (No PTO)		6.4
MF50-MF65-MF85-MF88		1.2	MF98 (With PTO)		7.4
MF95-MF97		1.0	MF25		2.0
MF Super 90		1.2	A19—FRONT END SUPPORT—RENEW		
MF25-MF130		0.6	TO35-MF35-MF135		1.2
MF150-MF165-MF175-MF180		1.2	MF50-MF65-MF150-MF165-MF175-MF180		1.9
MF1100-MF1130		1.4	MF130		1.7
			MF85-MF88-MF90		2.8
			MF1100-MF1130		6.0
A3—AXLE SPINDLE (KNUCKLE OR CARRIER), ONE—RENEW			A20—VERTICAL SPINDLE SHAFT REBUSH AND/OR RE-NEW BEARINGS (Does Not Include Wheel Bearings)		
MF95		0.9	MF50-MF65, Dual Wheel Tricycle		1.8
MF98 (Spindle Only)		0.7	MF50-MF65, Single Wheel Tricycle		1.6
MF98 (Carrier only, or Carrier & Spindle)		2.0	MF85-MF88-MF Super 90		3.9
MF97 (Two Wheel Drive)		0.9	On MF85, MF88 and MF Super 90, includes renewing steering column spindle, or bearings and seals for same.		
MF97 (Four Wheel Drive)	Use A106		A20p—Same As A20 (When Vertical Spindle Is Off)		
MF1100-MF1130		0.9	MF50-MF65, Dual Wheel Tricycle		0.7
All Other Models		0.7	MF50-MF65, Single Wheel Tricycle		0.5
Includes adjust toe-in.			MF85-MF88-MF Super 90		0.5
A4A—AXLE SPINDLES (KNUCKLES OR CARRIER), BOTH—REBUSH OR RENEW BEARINGS			A22—HORIZONTAL AXLE FOR FRONT WHEELS—RENEW		
MF95		2.0	Single Wheel Tricycle		0.5
MF98 (Pivot Needle Bearings Only)		2.4	Dual Wheel Tricycle		1.0
MF98 (Bearings for Pivot and Spindles)		3.6	A23—UPPER PEDESTAL—OVERHAUL		
MF97 (Two Wheel Drive)		2.3	MF50-MF65, Manual Steering		1.6
MF97 (Four Wheel Drive)	Use A106A		MF50-MF65, Power Steering		2.8
All Other Models, Bushings Only		1.4	MF85-MF88-MF Super 90	Same as A20	
All Other Models, Bushings & Spindles		2.0	MF50-MF65-MF150, Manual Steering		1.6
			MF50-MF65-MF150, Power Steering		2.8
			MF165-MF175		1.7
A4pa—Same As A4A (When Spindles Are Off)			A27—FRONT END—R&R AS A UNIT, INCLUDES: FRONT AXLE, SUPPORT AND WHEELS AS AN ASSEMBLY		
MF95		0.7	TO35-MF35-MF50		1.3
MF98, Spindle (Wheel) Bearings		1.2	MF65-MF130-MF135-MF150-MF165-MF175		1.6
MF97 (Two Wheel Drive)		0.7	MF85-MF88-MF90-MF180		2.1
All Other Models, Bushings Only		0.9	MF1100-MF1130		3.3
All Other Models, Bushings & Spindles		1.1			
A5—KNUCKLE ARM, ONE—RENEW					
MF98		0.5			
All Other Models		0.4			

Job Number	DESCRIPTION	Suggested Time	Job Number	DESCRIPTION	Suggested Time
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B1—ENGINE—TUNE, MINOR, INCLUDES:

CLEAN AND REGAP ALL SPARK PLUGS
 REGAP IGNITION BREAKER POINTS
 RETIME AND SYNCHRONIZE IGNITION OR INJECTION
 CHECK COMPRESSION
 CLEAN AIR CLEANER
 CLEAN FUEL LINE SCREEN & FILTERS
 CLEAN CARBURETOR SCREEN
 R&R AND CHECK SPRAY NOZZLES FOR PATTERN
 ADJUST CARBURETOR AND FAN BELT
 ADJUST GOVERNED SPEED

MF1100, Non-Diesel	2.5
All Other Non-Diesel Models	2.2
TO35, Standard-MF25-MF130, Diesel	3.6
MF35-MF50, Diesel With 3A 152 Engine	4.2
MF135-MF150, Diesel	3.5
MF65, Diesel With 4A 203 Engine	4.8
Other MF65-MF90-MF165-MF175-MF180, Diesel	3.9
MF85-MF88, Diesel	3.6
MF95-MF97	4.4
MF98	4.2
On MF98, includes position rack control tube levers and adjust exhaust valve tappets.	
MF1100-MF1130, Diesel	4.7

B2p—Valve Tappets—Adjust in Conjunction With B1 or B4

MF35-MF50, Diesel	0.5
MF65, Diesel With 4A 203 Engine	0.6
MF 98	N/C
All Other Models	Use B22A



B4—ENGINE—TUNE, COMPLETE, INCLUDES:

ALL WORK LISTED IN OPERATION B1 PLUS:
 DISASSEMBLE AND CLEAN CARBURETOR
 CLEAN IGNITION DISTRIBUTOR
 WASH ALL AIR FILTERS
 FLUSH COOLING SYSTEM
 CLEAN OIL COOLER AND RADIATOR FINS
 CLEAN INJECTORS & RESET OPENING PRESSURE

MF1100, Non-Diesel	4.7
All Other Non-Diesel Models	4.4
TO35-MF35-MF50-MF25-MF130, Diesel	7.0
MF135-MF150, Diesel	6.3
MF65 Diesel With 4A 203 Engine	8.2
Other MF65-MF90-MF165-MF175-MF180, Diesel	7.3
MF85-MF88, Diesel	7.0
MF95-MF97	9.1
MF98	6.1
MF1100-MF1130, Diesel	9.4

ENGINE REMOVAL, CLEAN AND PAINT



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B5—ENGINE AND CLUTCH—R&R AS A UNIT (Transfer of Parts Not Included)

MF25-MF130	3.4
MF90, Non-Diesel, With Multipower	4.4
MF90, Diesel, With Multipower	4.6
MF180, Non-Diesel	4.0
MF180, Diesel	4.2
MF95-MF97	4.1
MF98 (No PTO)	3.5
MF98 (With PTO)	4.5
MF1100-MF1130	7.5
All Other Non-Diesel Models	3.6
All Other Diesel Models	3.8



B7—ENGINE—WASH & CLEAN FOR SERVICING OR PAINTING (Does Not Include Painting)

All Models	1.0
------------	-----

B8—ENGINE—PAINT (Washing Not Included)

Six Cylinder Models	1.6
All Other Models	1.4

B8B—ENGINE—WASH, CLEAN AND PAINT

Six Cylinder Models	2.5
All Other Models	2.3

CLICK ANYWHERE FOR MORE DETAILS

Job Number	DESCRIPTION	Suggested Time	Job Number	DESCRIPTION	Suggested Time
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PISTON RINGS, PINS, ROD BEARINGS

Deridging of cylinder bores is included in all ring renewal operations except on models equipped with Perkins engines having chromed sleeves. Alignment of rods is included in all major (complete) jobs except where the contrary is noted.

★
B40A—RINGS FOR ALL PISTONS—RENEW

TO35-MF35-MF50-MF65, Non-Diesel	5.7
MF35 (Perkins)-MF50, Diesel	5.8
TO35 (Standard), Diesel	6.5
MF85-MF88-MF90, Non-Diesel	6.5
MF85-MF88, Diesel	7.7
MF90, Diesel	8.6
MF95	10.0
MF97 (Two Wheel Drive)	10.0
MF97 (Four Wheel Drive)	11.0
MF98	8.5
MF25-MF130, Diesel	5.9
MF135-MF150-MF165-MF175, Non-Diesel	6.1
MF135-MF150, Diesel	6.2
MF165, Diesel	6.9
MF175, Diesel	7.5
MF180, Non-Diesel	6.5
MF180, Diesel	7.9
MF1100, Non-Diesel	12.9
MF1100, Diesel	13.5
MF1130, Diesel	14.5

B40pa—Rings, All—Renew (When Rods Are Out And Head Or Heads Are Off). Alignment & Deridging Not Included.

MF98	0.9
Other Three Cylinder Models	0.5
All Four Cylinder Models	0.6
All Six Cylinder Models	0.7

B40qa—Cylinder Bores, All—Deglaze (When Rod And Piston Units Are Out).

All Three Cylinder Models	0.6
All Four Cylinder Models	0.8
All Six Cylinder Models	1.2

Not recommended for models with chrome sleeves.

B41p—Pin (Oversize), One—Renew (When Rod Is Out) Alignment & Deridging Not Included

All Models With Oversize Pins Available	0.5
---	-----

B41pa—Pins (Oversize), All—Renew (When Rods Are Out) Alignment & Deridging Not Included

MF95-MF97	1.6
Other Models With Oversize Pins Available	1.1

★
B42B—PINS & PIN BUSHINGS & RINGS—RENEW

TO35-MF35-MF50-MF65, Non-Diesel	6.4
MF35 (Perkins)-MF50, Diesel	6.4
TO35 (Standard)-MF65, Diesel	7.2
MF85-MF88-MF90, Non-Diesel	7.2
MF85-MF88, Diesel	8.4
MF90, Diesel	9.3
MF95	11.0
MF97 (Two Wheel Drive)	11.0
MF97 (Four Wheel Drive)	12.0
MF98	10.0
MF25-MF130, Diesel	6.6
MF135-MF150-MF165-MF175, Non-Diesel	6.8
MF135-MF150, Diesel	6.8
MF165, Diesel	7.6
MF175, Diesel	8.2
MF180, Non-Diesel	7.2
MF180, Diesel	8.6
MF1100, Non-Diesel	13.9
MF1100, Diesel	14.5
MF1130, Diesel	15.5

★
B42C—PINS AND BUSHINGS AND RINGS AND ROD BEARINGS—RENEW

TO35-MF35-MF50-MF65, Non-Diesel	6.6
MF35 (Perkins)-MF50, Diesel	6.6
TO35 (Standard)-MF65, Diesel	7.4
MF85-MF88-MF90, Non-Diesel	7.4
MF85-MF88, Diesel	8.6
MF90, Diesel	9.5
MF95	11.3
MF97 (Two Wheel Drive)	11.3
MF97 (Four Wheel Drive)	12.3
MF98	10.3
MF25-MF130, Diesel	6.8
MF135-MF150-MF165-MF175, Non-Diesel	7.0
MF135-MF150, Diesel	7.0
MF165, Diesel	7.8
MF175, Diesel	8.4
MF180, Non-Diesel	7.4
MF180, Diesel	8.8
MF1100, Non-Diesel	14.2
MF1100, Diesel	14.8
MF1130, Diesel	15.8

B42p—Pin and Bushing, One—Renew (When Rod Is Out)

MF98	0.6
All Other Models	0.4

★
B42pa—Pins & Bushings, All—Renew (When Rods Are Out)

MF98	1.5
All Other Three Cylinder Models	0.6
All Four Cylinder Models	0.7
All Six Cylinder Models	1.0

B43pa—Top Ridge For All Bores—Remove (When Cylinder Head Is Off)

Three Cylinder Models	0.4
Four Cylinder Wet Sleeve Models	0.7
Four Cylinder Dry Sleeve Models	0.5
Six Cylinder Models	0.6

Ridge removal not advisable on Perkins engines having chrome plated sleeves.

Job Number	DESCRIPTION	Suggested Time	Job Number	DESCRIPTION	Suggested Time
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CRANKSHAFT AND SEALS

B56—CRANKSHAFT PULLEY—RENEW

MF95-MF97	1.6
MF98	1.9
TO35-MF35-MF50	1.6
MF65-MF135-MF150-MF165-MF175	1.9
M25-MF130	1.9
MF85-MF88-MF90-MF180	2.4
MF1100-MF1130	3.7

B57pa—Crankshaft Rear Oil Seal—Renew (When Oil Pan Is Off)

MF90, Non-Diesel With Multipower	4.0
MF180, Non-Diesel	4.1
MF1100, Non-Diesel	7.1
All Other Non-Diesel Models	3.7
MF25-MF130	3.5
MF85-MF88, Diesel	1.3
MF90, Diesel With Multipower	4.2
MF180, Diesel	4.3
MF95-MF97	0.3
MF98 (No PTO)	1.8
MF98 (With PTO)	2.8
MF1100-MF1130, Diesel	7.1
All Other Diesel Models	3.9

B57sa—Crankshaft Rear Oil Seal—Renew (When Clutch Is Out)

MF1100, Non-Diesel	1.0
All Other Non-Diesel Models	1.5
TO35 (Standard), Diesel	0.5
MF98	0.6
MF85-MF88, Diesel	2.2
MF95	1.5
MF97 (Two Wheel Drive)	1.5
MF97 (Four Wheel Drive)	2.3
All Other Diesel Models	1.0

B59—CRANKSHAFT OIL SEAL, FRONT—RENEW

MF98	1.9
All Other Models	Same As B84

★ B60—MAIN & ROD BEARINGS & CRANKSHAFT—RENEW

MF95	13.7
MF97 (Two Wheel Drive)	13.7
MF97 (Four Wheel Drive)	14.3
MF98	11.2
MF1100, Non-Diesel	12.3
MF90, Non-Diesel With Multipower	8.5
MF180, Non-Diesel	8.4
All Other Non-Diesel Models	8.0
MF25-MF130, Diesel	8.0
TO35 (Standard), Diesel	10.0
MF35 (Perkins)-MF50-MF135-MF150, Diesel	8.8
MF65-MF165, Diesel	9.0
MF90 Diesel Without Multipower	9.5
MF90 Diesel With Multipower	10.0
MF175, Diesel	9.6
MF180, Diesel	10.0
MF85-MF88, Diesel	9.5
MF1100-MF1130, Diesel	13.3

B60C—CRANKSHAFT FRONT COVER—R&R

MF98	2.5
------	-----

COMBINATIONS, BEARINGS, PINS, RINGS AND VALVES

Alignment of rods and deridging of cylinders is included in all major (complete) jobs except for Perkins engines with chromed sleeves, which are not deridged. For resleeving work to be done in conjunction with operations in this group, refer to operation B68pa.

★ B61—RODS, RINGS & VALVES—RENEW ROD BEARINGS AND RINGS AND RESEAT VALVES AS IN B27

MF95	19.5
MF97 (Two Wheel Drive)	19.5
MF97 (Four Wheel Drive)	20.5
MF98	12.5
TO35-MF35-MF50-MF65, Non-Diesel	9.3
MF35 (Perkins)-MF50, Diesel	10.6
TO35 (Standard), Diesel	12.0
MF65, Diesel With 4A 203 Engine	12.0
MF65, Diesel With AD4 203 Engine	11.2
MF85-MF88-MF90-MF180 Non-Diesel	10.1
MF85-MF88-MF90, Diesel	13.3
MF25-MF130, Diesel	11.4
MF135-MF150-MF165-MF175, Non-Diesel	9.7
MF135-MF150, Diesel	10.4
MF165, Diesel	11.6
MF175, Diesel	12.2
MF180, Diesel	12.6
MF1100, Non-Diesel	19.5
MF1100, Diesel	20.9
MF1130, Diesel	21.9

★ B63—RODS, PINS, RINGS AND VALVES—RENEW ROD BEARINGS, PINS, RINGS AND RESEAT VALVES AS IN B27

MF95	20.5
MF97 (Two Wheel Drive)	20.5
MF97 (Four Wheel Drive)	21.5
7—MF-26—8 Memphis on 8—	4-7-67
MF98	14.0
TO35-MF35-MF50-MF65, Non-Diesel	10.0
MF35 (Perkins)-MF50, Diesel	11.2
TO35 (Standard), Diesel	12.7
MF65 Diesel With 4A 203 Engine	12.7
MF65 Diesel With AD4 203 Engine	11.9
MF85-MF88-MF90-MF180, Non-Diesel	10.8

... B63 Continued in Next Column