Massey Harris
Massey Ferguson

Operator's Manual

MF154-4

Operator's Manual

JENSALES

MH-O-MF154-4

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PROCEDURES FOR LUBRICATION AND MAINTENANCE

GREASE FITTINGS

Fig. 28 — Front axle pivot — front support

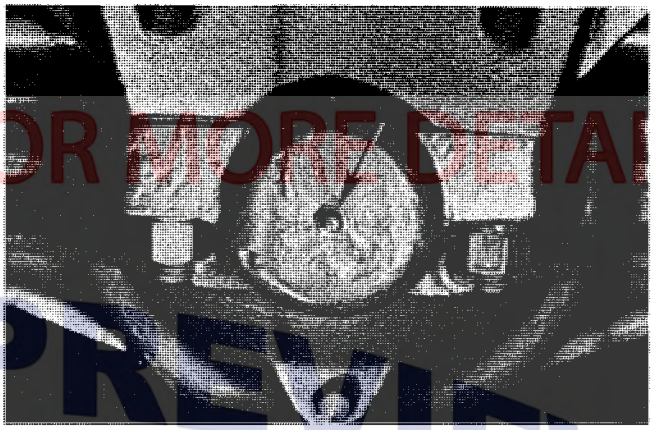

FIG. 28

Fig. 29 — Front axle pivot — rear support

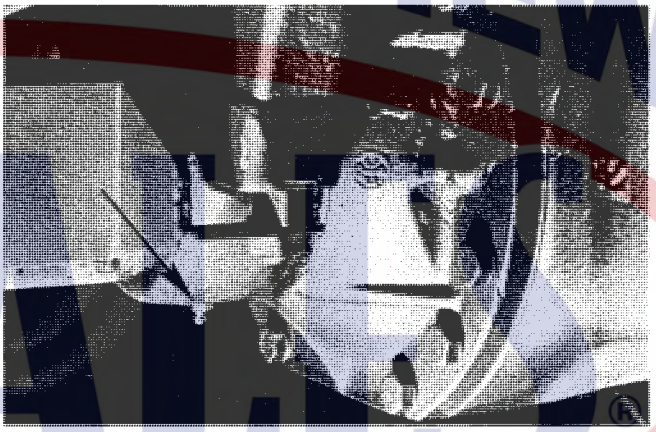

FIG. 29

Fig. 30 — Brake pedals

FIG. 30

Fig. 31 — Clutch pedal

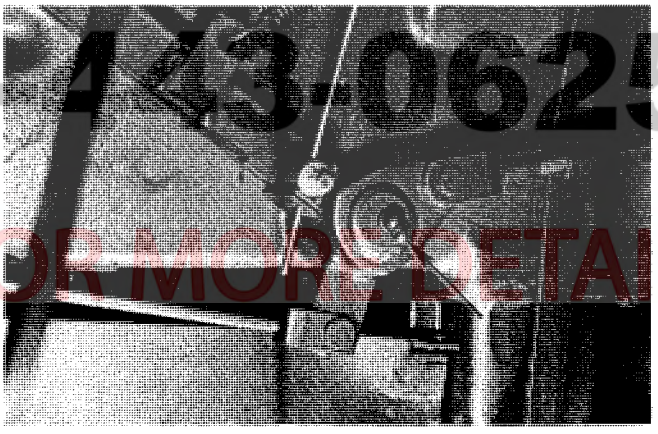

FIG. 31

REAR AXLE FINAL DRIVES

The rear axle final drives have their own separate oil sumps. Each has a filler plug, level check plug and a drain plug.

Referring to Fig. 72 — 1, is filler plug and, 2, is level check plug.

Referring to Fig. 73 — 1, is drain plug.

FIG. 72

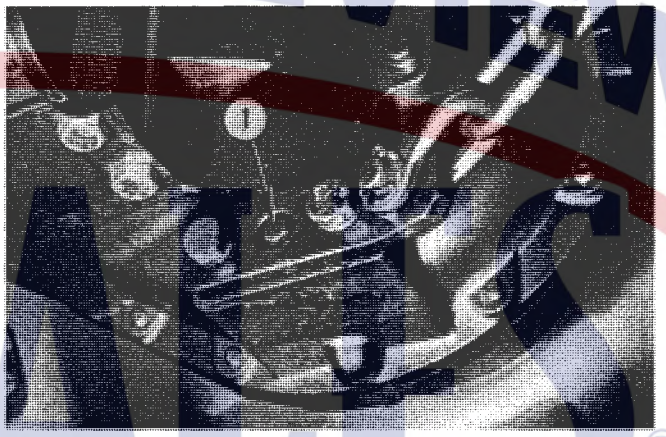

FIG. 73

POWER STEERING — FIG. 74

The power steering oil reservoir, 1, is located in front of the radiator and is accessable by tilting the engine hood forward. A combination filler cap/dipstick, 2, is located on top of the reservoir. Oil level should be maintained between the two marks on the dipstick as shown.

FIG. 74

FRONT WHEEL TOE-IN

Front wheel toe-in was set at ZERO at the factory and, in normal operation of the Tractor no readjustment is required. However, the following toe-in specifications are given.

0 ± 6 mm (0 ± 1/4")

NOTE: Toe-in is measured at mid-height of the tires and center to center on the tire tread.

SPECIFICATIONS

ENGINE:

Type	4 stroke, direct injection diesel
Make	Perkins
Model	AD3 152S
Number of Cylinders	3
Displacement	2502 C.C. (152 C.I.)
Compression Ratio	16.5:1
Cylinder Bore	91.4 mm (3.6 in.)
Piston Stroke	127 mm (5.0 in.)
Firing Order	1-2-3
Low Idle Speed	650 RPM
High Idle Speed	2390 RPM
*Horsepower	42 at 2250 RPM

*Manufacturers estimate

Valve Clearance:	
Hot	0.25 mm (0.10 in.)
Cold	0.30 mm (0.12 in.)
Fuel Injection Pump (Make)	CAV
Fuel Injectors (Make)	CAV
Fuel Filtering System	One filter, full flow with replaceable element

ELECTRICAL SYSTEM:

Battery	One 12 volt, 95 amp-hr., negative ground
Specific Gravity	1.260-1.300 (fully charged)
Starter Switch	Key operated
Starter	12 volt, 4 pole
Alternator	Diode rectified A.C. type with built-in solid state regulator
Fuses for Electrical Wiring	Six — 8 amp fuses

BRAKES:

Type	Independent mechanically actuated double disc dry brakes
Steering	Hydrostatic with booster cyliner on front axle

HYDRAULIC SYSTEM:

Lift Pump	Constant running, gear type mounted on engine
Maximum Pressure	16.67 MPa (2418 psi)
Delivery @ 2200 Engine RPM	28 litres/min. (7.4 U.S., 6.2 Imp. gpm)

POWER TRAIN:

Clutch:	
Type	Duel dry-disc
Transmission	Four synchronized speeds and reduction gearing in four ranges: 1st, 2nd, 3rd and reverse to provide 12 forward and four reverse speeds
Rear Axle	Center crown wheel and pinion, gear type with final reduction units at outer ends of rear axle
Front Axle	Malleable cast iron axle pivoting on two center supports with a center differential assembly and epicyclic reduction gears in wheel hubs