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## SUPER MTA DIESEL

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References in this manual to Farmall Super MD refer in all cases to Farmall Super M-TA and Super M-TA Torque Amplifier Diesel Tractors.

References to Farmall Super MDV refer to Farmall Super M-TA and Super M-TA Torque Amplifier Diesel High Clearance Tractors.

## DESCRIPTION

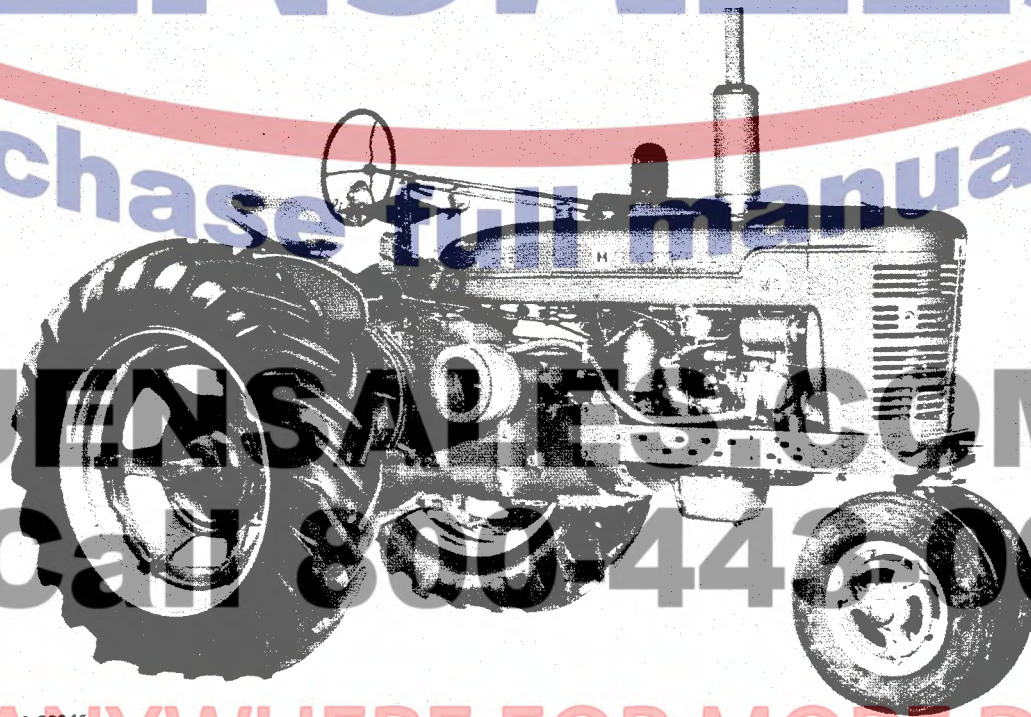
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A-32044

Illust. 3  
Left front view of the Farmall Super MD.

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A-33045

Illust. 3A  
Right front view of the Farmall Super MD.

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## MAINTENANCE

### Cleaning the Strainer



Illust. 40

Starting carburetor.

1. Close the gasoline shut-off valve at the gasoline tank.
2. Disconnect the gasoline tube at the screen retainer.
3. Unscrew the retainer with screen from the carburetor; wash the screen in kerosene, and reassemble.
4. Open the gasoline shut-off valve.

**Note:** Periodically check the screw which fastens the fuel bowl to the fuel bowl cover; also see that the cover screws are kept tight to prevent any leakage of air past the fuel bowl cover gasket.

### Adjustment

The speed of the engine, when operating on gasoline, is controlled by the amount of opening of the air valve. The space between the air valve and the body of the carburetor should be not less than  $\frac{3}{32}$  inch, or greater than  $\frac{7}{64}$  inch, for this engine.

The fuel level in the carburetor should be not less than  $1\frac{1}{32}$  inch, or greater than  $\frac{7}{16}$  inch, from the top of the bowl. The top of the float, when properly adjusted, will be approximately  $\frac{9}{32}$  inch from the top of the bowl.

The starting choke regulates the air for starting.

**Caution!** The present-day grade of gasoline has a tendency to form gum. It is necessary, therefore, that the gasoline tank and the fuel bowl be completely drained of fuel when the engine is to be out of service for any length of time. Gum in the carburetor jets and passages affects engine starting. Gum can be dissolved with acetone or with an equal mixture of alcohol and benzol.

### Removing the Carburetor

1. Shut off the gasoline supply at the gasoline tank.
2. Disconnect gasoline supply pipe "A" and drip tube "B" at the carburetor. See Illust. 40A.
3. Remove the pin holding the yoke to the shut-off rod behind the carburetor.
4. Remove the four nuts and lock washers holding the carburetor to the manifold and lift off the carburetor, complete with drain trough.

### Installing the Carburetor

1. Install the carburetor on the engine in the reverse order of removal.
2. Turn on the gasoline supply at the gasoline tank.



Illust. 40A

Removing the carburetor.

## SPECIAL EQUIPMENT

### 100-Inch-Tread Rear Axle

(Farmall Super MD)

The wide-tread rear axle attachment is used on the Farmall Super MD only. This attachment consists of a set of two longer rear axles which, when applied on the tractor, increase the tread of the rear wheels from a maximum of 88 inches (regular) to a maximum of 100 inches.

### Rear Axle Extension

(Farmall Super MD)

This attachment is available for Farmall Super MD tractors equipped with pneumatic tires and either a standard rear axle or 100-inch-tread rear axle for use with the HM-1 Sugar Beet Harvester for certain row spacings.

The attachment consists of an extension shaft and a two-piece clamp, which provides a maximum right-hand rear wheel setting of 67 inches as measured from the center line of the tractor to the center line of the rear wheel tire.

behind implements such as disk harrows. It also facilitates steering on the straightaway when the tractor is pulling a heavy load. The load exerts less sidewise pull on the tractor and therefore interferes less with the steering. This attachment is especially desirable when working in small, irregularly shaped fields.

### Quick-Attachable High-Hitch Heavy-Duty Drawbar

(Farmall Super MDV)

This attachment (*Illust. 102A*) is available for Farmall Super MDV tractors equipped with or without an implement rockshaft and is primarily designed for use with cane carts or wagons.

The drawbar tongue is clamped rigidly at the center line of the tractor. The fixed distance from the ground line to the underside of the drawbar tongue, based on 13-36 cane field tires, is  $26\frac{3}{8}$  inches.

### Swinging Drawbar

(Farmall Super MD)

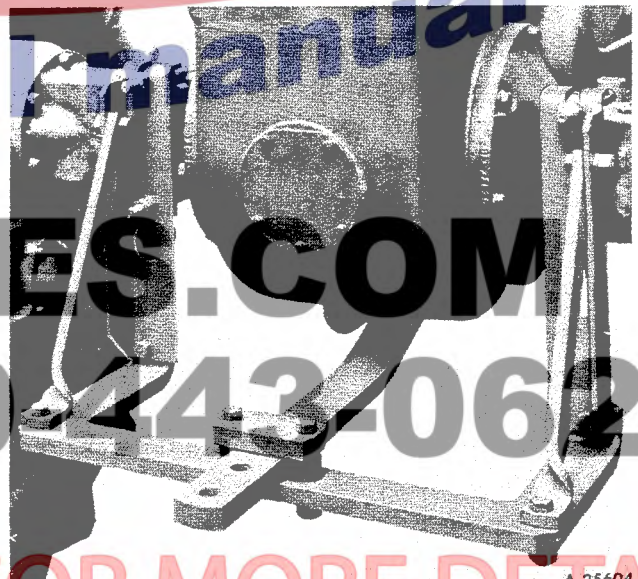


A-28158

Illust. 102

Swinging drawbar assembled on the Farmall Super MD.

The swinging drawbar (*Illust. 102*) is free to swing the full width of the regular drawbar, making it easier to turn the tractor under load when pulling trail-



A-25604

Illust. 102A

Drawbar assembled on the Farmall Super MDV.

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