

**Super M-TA
Diesel Tractors**
Operators Manual

1004323R2

Reprinted

CASE 

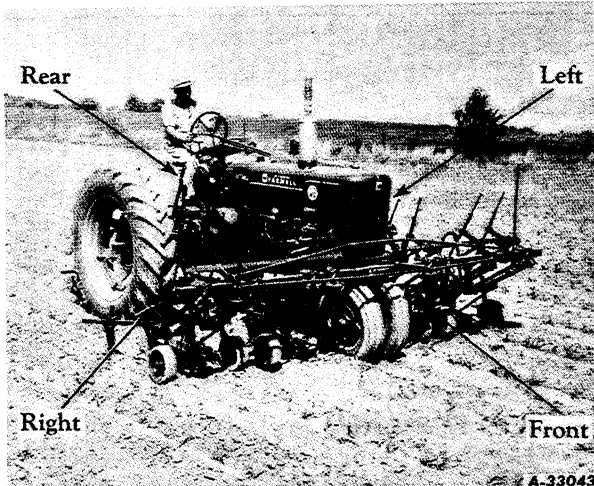
CONTENTS

Description	Page No.	Description	Page No.
INTRODUCTION	Inside	MAINTENANCE	
Delivery report (to be filled in when tractor is delivered).....	Front	Adjustable wide front axle.....	77, 78
General.....	Cover	Air cleaning system.....	52, 53
Serial numbers, engine and tractor.....	2	Battery ignition unit.....	55 to 58
	2	Brakes.....	71 to 73
		Carburetor.....	39, 40
DESCRIPTION		Clutches.....	73, 74
Before starting your new tractor.....	8	Cold weather precautions.....	48, 49
Diesel fuel oil specifications.....	11	Cooling system.....	49 to 52
Instruments and controls.....	4 to 7	Diesel fuel system.....	41 to 48
Preparing your tractor for each day's work.....	9 to 11	Front wheels (Super MD).....	76, 77
Views of the tractor.....	3	Front wheel tread widths (Super MDV)..	78
		Farmall Lift-All system.....	83 to 84
OPERATING YOUR TRACTOR		Gasoline strainer.....	39
Driving the tractor.....	14 to 16	Independent power take-off.....	75
Hitching the tractor to the implement....	18, 19	Magneto (tractors so equipped).....	58 to 61
Operating the belt pulley.....	17, 18	Minor engine service operations.....	71
Operating the diesel engine.....	12, 13	Periodic inspections.....	38, 39
Operating the Farmall Lift-All system....	22	Pneumatic tires.....	80 to 82
Operating the Hydraulic Remote Control system.....	23, 24	Rear axle (100-inch tread).....	80
Operating the independent power take-off	21, 22	Rear wheels.....	79, 80
Operating the pneumatic tire pump.....	18	Seat.....	69
Operating the torque amplifier.....	16, 17	Spark plugs and cables.....	54
Operating the transmission-driven power take-off.....	20, 21	Starting and lighting equipment.....	62 to 67
		Starting diesel engines that have been in storage.....	91
LUBRICATION		Storage battery.....	67 to 69
General engine lubrication.....	25	Storing and housing your tractor.....	90
Greasing the front wheels.....	27	Trouble shooting.....	85 to 89
Lubrication guide.....	30 to 37	Valve clearance adjustment.....	70
Lubricating oil and grease specifications..	27 to 29	SPECIAL EQUIPMENT.....	92 to 106
Lubricating oil filter.....	26	SPECIFICATIONS.....	107, 108
		COMPREHENSIVE INDEX.....	109 to 112

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.

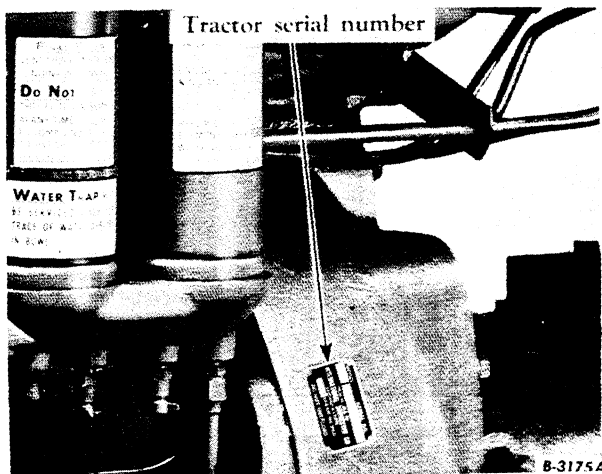
INTRODUCTION



Illust. 2

Throughout this manual the use of the terms LEFT, RIGHT, FRONT, and REAR must be understood to avoid confusion when following instructions. LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the driver's seat. Reference to FRONT indicates the radiator end of the tractor; to REAR, the drawbar end. See *Illust. 2*.

The illustrations in this manual are numbered to



Illust. 2A

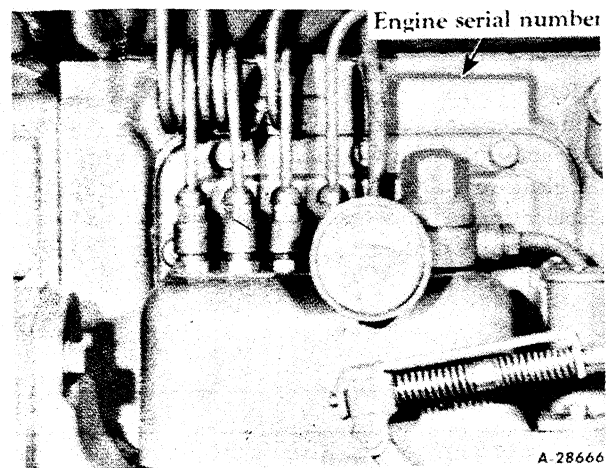
Location of the tractor serial number.

correspond with the pages on which they appear; for example, *Illusts. 7, 7A, 7B and 7C are on page 7.*

A variety of special equipment is available for use with the Farmall Super MD and Super MDV. The instructions for operating and maintaining the special equipment have been included in the instructions for operating and maintaining the tractor. Disregard the instructions for special equipment not on your tractor.

When in need of parts, always specify the tractor and engine serial numbers. The tractor serial number is stamped on a name plate attached on the left side of the clutch housing. See *Illust. 2A*. The serial number is preceded by the letters SMD for the Farmall Super MD and SMDV for the Farmall Super MDV. The engine serial number is stamped on the left side of the engine crankcase above the fuel injection pump. See *Illust. 2B*. This serial number is preceded by the prefix D-264, which indicates that it is a diesel engine with a 264-cubic inch piston displacement.

For ready reference, we suggest that you write these serial numbers in the spaces provided on the Delivery Report.

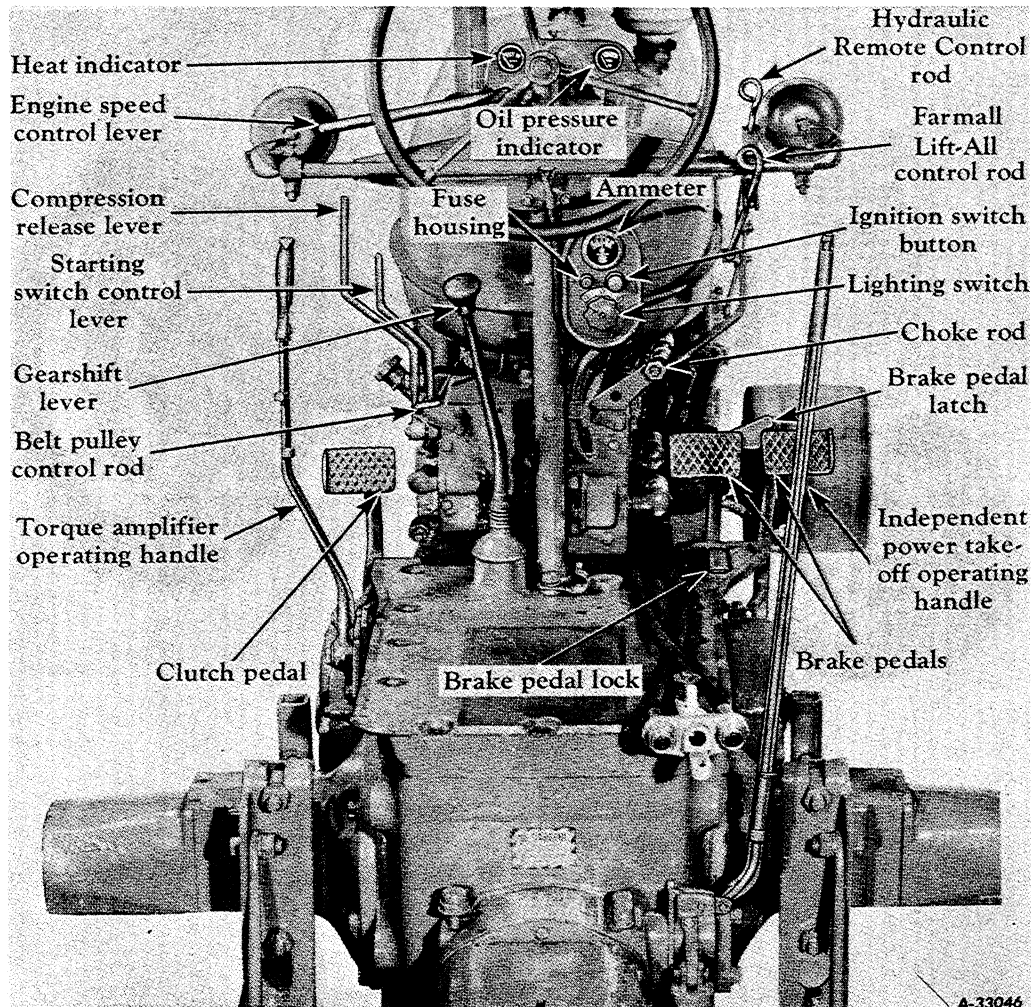


Illust. 2B

Location of the engine serial number.

DESCRIPTION

Instruments and Controls



Illust. 4
Location of instruments and controls
(tractors with independent power take-off and torque amplifier).

Brake Pedals

These pedals are used to stop the tractor, to hold the tractor in a stationary position, or to assist in making sharp turns as outlined below:

To stop the tractor, depress both pedals at the same time. Before driving the tractor in high gear, always latch the pedals together.

To hold the tractor in a stationary position, latch the pedals together, depress them, and lock them in this depressed position by using the brake pedal lock.

To assist in making a sharp turn, operate the pedals individually, depressing the pedal on the

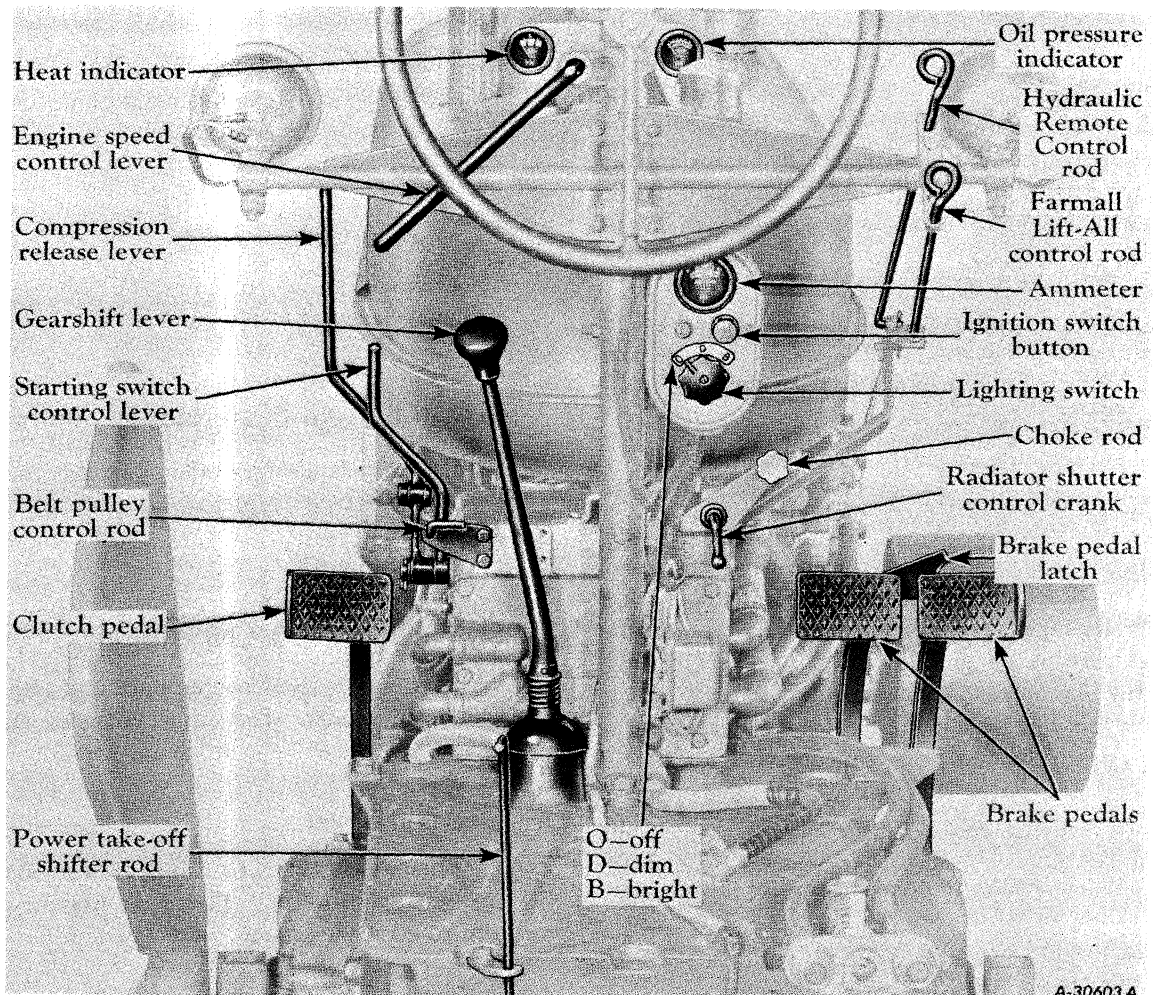
side toward which the turn is to be made.

The brake pedal latch (*Illusts. 4, 5, and 16*) is used to latch both brake pedals together, causing the brakes to operate simultaneously.

Caution! Always latch the brake pedals together when driving the tractor in high gear (fifth speed). To latch the pedals together, engage the latch (located in back of the left pedal, *Illust. 16*) in the slot in back of the right pedal. When the brake pedals are not latched together, the latch should rest in the slot in back of the left brake pedal.

The brake pedal lock (*Illust. 16*) is used to lock the brake pedals in the depressed position; this prevents the tractor from moving.

DESCRIPTION



Illust. 5
Location of instruments and controls (tractors with transmission-driven power take-off).

Clutch Pedal

This pedal, when depressed all the way, disengages the engine from the transmission.

Choke Rod

The choke rod makes it possible to regulate the carburetor choke from the driver's seat. Pulling out on the choke rod closes the carburetor choke for starting the engine; pushing it back in opens the choke.

Ignition Switch Button

This button closes and opens the electrical circuit for operating and stopping the engine. Pull the

button out for operating and push it in to stop the engine.

Caution! On tractors with battery ignition, when the engine is not operating or the engine has stalled and the operator leaves the tractor, the ignition switch button must be pushed all the way in, so that the switch is in the **off** position, to prevent battery discharge.

Starting Switch Control Lever

To start the engine, adjust the choke rod and push the starting switch control lever forward.

Lighting Switch

The switch has three positions: "D"—dim lights, "B"—bright lights, and "O"—off.

DESCRIPTION

Engine Speed Control Lever

The engine speed control lever enables you to adjust the speed of the engine to the load to be handled. After you have selected the desired engine speed, the governor will automatically maintain this engine speed under variable loads. Retarding the engine speed control lever will decrease the load the tractor can handle.

The rated or maximum full-load governed speed is 1,450 r.p.m.; maximum idle speed is approximately 1,600 r.p.m.; minimum speed (hand-throttle) is approximately 525 r.p.m.

Compression Release Lever

Moving the compression release lever forward converts the diesel engine into a gasoline engine for starting. Reduced compression, spark plug ignition, and carbureted gasoline fuel permits starting the engine as a gasoline engine. After a quick cylinder warm-up, switch the engine to diesel operation by pushing the compression release lever all the way back. See pages 12 and 13 for the correct method of starting on gasoline and changing to diesel operation. See page 13 for changing back to gasoline operation before stopping the engine.

Radiator Shutter Control Crank

The control crank opens and closes the radiator shutter, controlling the engine temperature. Turn the crank counterclockwise to close the shutter and clockwise to open the shutter.

Note: Diesel tractors are not regularly equipped with a radiator shutter.

Power Take-Off Shifter Rod (Transmission-Driven)

The shifter rod is used to engage or disengage the power take-off. See page 20 for operating instructions.

Independent Power Take-Off Operating Handle

The independent power take-off operating handle is used to engage or disengage the independent power take-off. See page 21 for operating instructions.

Torque Amplifier Operating Handle

The torque amplifier operating handle is used to engage or disengage the torque amplifier. See page 17 for operating instructions.

Belt Pulley Control Rod

This rod is used to engage or disengage the belt pulley. See page 17 for operating instructions.

Farmall Lift-All Control Rod

This rod is used to raise, partially raise or lower direct-connected implements. For full details, see page 22.

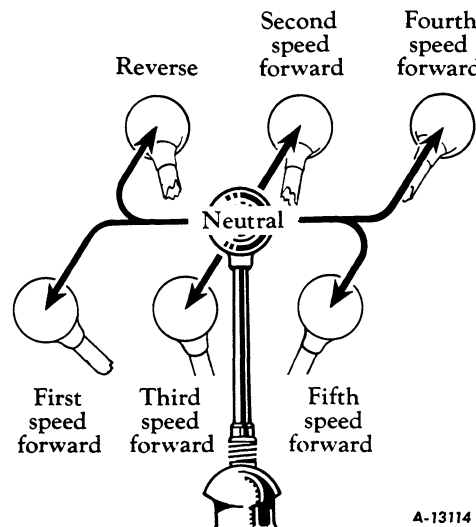
Hydraulic Remote Control Rod

This rod is used to regulate and adjust trailing-type implements. For full details, see page 23.

Gearshift Lever

This lever is used to select the various gear ratios in the transmission. There are five forward speeds and one reverse speed. See *Illust. 6*.

Note: The fifth speed is locked out when steel wheels are used. For further instructions, see page 14.



Illust. 6
Gearshift positions.

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