



CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

International Harvester

Operator's Manual
for FARMALL

1256

Turbo Diesel

Operator's Manual

JENSALES.COM

or Call 800-443-0625



CLICK ANYWHERE FOR MORE DETAILS

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
INTERNATIONAL HARVESTER OR IT'S SUCCESSORS. INTERNATIONAL HARVESTER AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

IH-O-1256

806

1963.....	501
1964.....	4709
1965.....	15946
1966.....	24038
1967.....	34943

Starting Serial Numbers**856**

1967.....	7501
1968.....	9854
1969.....	19554
1970.....	32099
1971.....	32420

Starting Serial Numbers**1206**

1965.....	7501
1966.....	8626
1967.....	12731

Starting Serial Numbers**1256**

1967.....	7501
1968.....	8849
1969.....	13140

Starting Serial Numbers**1456**

1969.....	10001
1970.....	10405
1971.....	14149

Starting Serial Numbers**Paint Codes****Ag Farmall Antique Red (to 1981)**

IH.....	99102R3 (Aerosol)
IH.....	991010R2 (Quart)
IH.....	B90882 (Gallon)

Ag White, Antique White (to 1981)

IH.....	991115R2 (Aerosol)
IH.....	991116R1 (Quart)
IH.....	B90888 (Gallon)

CLICK ANYWHERE FOR MORE DETAILS

CLICK ANYWHERE FOR MORE DETAILS

CONTENTS

CLICK ANYWHERE FOR MORE DETAILS

Description	Page No.
CONTENTS	1
INTRODUCTION	2
INSTRUMENTS AND CONTROLS	3
BEFORE OPERATING YOUR NEW TRACTOR	4
DRIVING THE TRACTOR	4 to 9
ENGINE AND FUEL SYSTEM	9 to 16
TORQUE AMPLIFIER	17
BASIC HYDRAULIC SYSTEM WITH POWER STEERING	18 to 20
HYDRAULIC CONTROLS FOR THREE-POINT FAST-HITCH	20 to 21
THREE-POINT FAST-HITCH	24 to 30
AUXILIARY VALVES AND REMOTE CYLINDERS	33 to 36
HITCHING TRAILING EQUIPMENT TO THE TRACTOR	37, 38
POWER TAKE-OFF	39
COOLING SYSTEM	40 to 42
AIR CLEANING SYSTEM	42 to 46
ELECTRICAL SYSTEM	47 to 56
MINOR ENGINE OPERATIONS	56 to 58
FRONT WHEELS	59 to 61
ALL-WHEEL DRIVE	61, 62
REAR WHEELS	63 to 68
WEIGHTS	69 to 71
PNEUMATIC TIRES	71 to 74
BRAKES	74, 75
ENGINE CLUTCH	76, 77
STORING THE TRACTOR	77, 78
COLD WEATHER PRECAUTIONS	79, 80
TROUBLE SHOOTING	80 to 85
LUBRICATION	85 to 90
LUBRICATION TABLE	90
LUBRICATION GUIDE	91 to 96
PREVENTIVE MAINTENANCE GUIDE	97 to 99
QUICK COUPLER	31, 32
SPECIFICATIONS	99 to 102
EXTRA EQUIPMENT AND ACCESSORIES	103
INDEX	104 to 106

INTRODUCTION

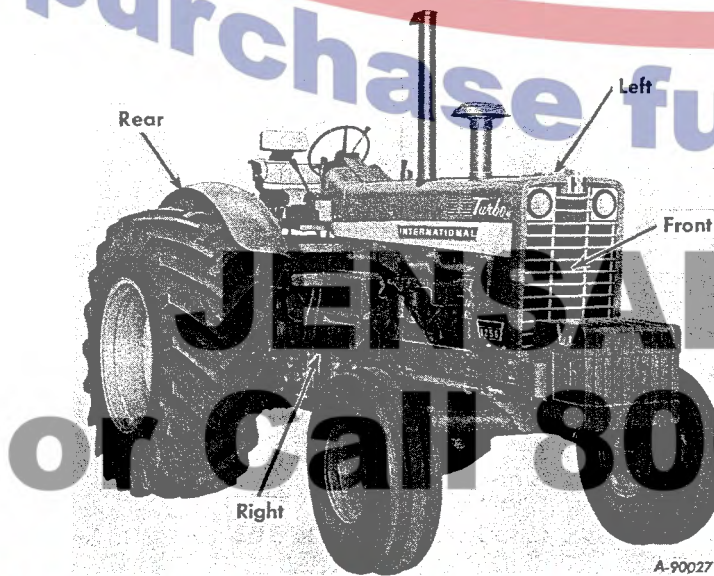
CLICK ANYWHERE FOR MORE DETAILS



Illustr. 2

Farmall 1256 Turbo Diesel Tractor with Cab and Dual Rear Wheels

purchase full manual at



LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the driver's seat. See Illustr. 2A.

The illustrations in this manual are numbered to correspond with the pages on which they appear; for example, Illustrs. 2 and 2A are on page 2.

A variety of extra equipment and accessories is available. Refer to page 103. Operating and maintenance instruction on these items is included in the instructions for operating or Maintaining the tractor.

Illustr. 2A
Terms of location

CLICK ANYWHERE FOR MORE DETAILS

THREE-POINT FAST-HITCH

HITCH LOWER LINKS

The hitch lower links connect the equipment to the crank arms of the torsion bar pivoting from the rear frame of the tractor.

The rear section of the lower links can be extended by lifting the latches, providing easier hitching. When necessary, one of the lower links can be raised individually by loosening the set screw on the lift link collar.

When operating Category III equipment, the rear clevises on the lateral limiters must be pinned to the eyebolts at the inner side of the lower links, with the offset holes in the eyebolts turned toward the front of the tractor. See Illust. 26.

When operating Category II equipment, the offset holes in the eyebolts must be turned toward the rear of the tractor.

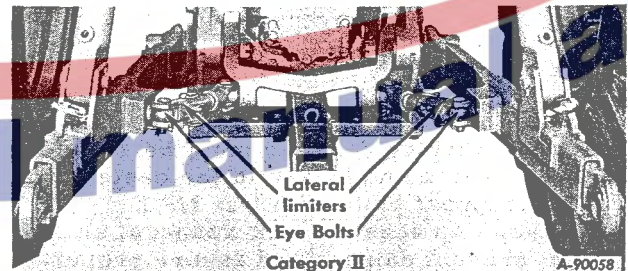
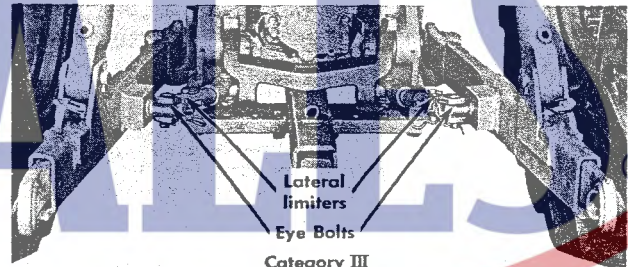
Caution! When side movement of the hitch is undesirable or hazardous, the lateral swing lockout pins must be inserted in the holes in the lateral limiter housings.

HITCH UPPER LINK

The length of the hitch upper link can be shortened or lengthened by using the hitch upper link adjusting handle. See Illust. 25. Raise the adjusting handle to a vertical position then turn the handle clockwise to shorten the link or counterclockwise to lengthen the link. The length of the hitch upper link can be adjusted from 25 to 31 inches.

After adjusting, place the upper link adjusting handle in the clip on the turnbuckle housing.

Note: The lug on the handle must engage the slot in the threaded rod. When it is desirable to have the upper link raised up out of the way, put the end of the adjusting handle in the storage tube, lock in position which the quick-attachable cotter pin, and hook the end of the clip on the rear edge of the load control housing.



Illust. 26
Lateral limiter connections for Category III and Category II equipment.

LATERAL LIMITER

The lateral swing of the hitch is controlled by heavy-duty spring pins pressed in place, moving within the confines of the slots in the lateral limiter housings. The lateral limiter can be made rigid by inserting the lateral swing lockout pins in the holes in the lateral limiter housings. See Illust. 27.

The control arm is pulled against the support bracket bolts when the equipment is in the raised position, which eliminates side sway in transport even if the lockout pins are not in the holes in the lateral limiter housings.

SWAY LIMITER BLOCKS

Sway limiter blocks are available to be inserted in the slots in the lateral limiters when operating the three-point fast-hitch on a tractor with dual rear wheels and/or narrow tread.

These blocks will limit the side movement of the lower links preventing interference with the inner tires.

CLICK ANYWHERE FOR MORE DETAILS

General Precautions

Frequently inspect all hose connections. If hoses show any signs of deterioration, replace them.

To eliminate strain on the rubber hose connections, be sure the pipes line up.

All the joints between the air cleaner and the engine must be tight. All the gaskets must be in good condition and the bolts must be drawn up tight.

Never operate the engine unless both elements are in place. The automatic dust unloader should also be in place as operation without it will lower dust capacity of the air cleaner.

Note: Never attempt to remove the elements from the air cleaner while the engine is running.

Air Cleaner Service Indicator

The filter element must be serviced when indicated by the air cleaner filter service indicator (Illustr. 3).

When the key switch is turned on, an electrical circuit is completed which moves the indicator needle to a position over the green dot. When the indicator needle remains over the green dot with the engine running, the filter elements are in a satisfactory condition. The key switch must be on while the engine is running so the air cleaner service indicator will function.

Included in the circuit is a vacuum switch which is sensitive to vacuum in the air cleaner outlet pipe. As dirt accumulates on the filter

element, the vacuum increases. When the vacuum in the pipe, during engine operation, reaches a certain value the circuit is broken by the vacuum switch. This causes the indicator needle to move to the red dot, indicating that the filter element needs to be serviced.

Note: When the engine is not running, the indicator needle will be positioned over the red dot. THIS MUST NOT BE MISTAKEN AS A SIGNAL TO SERVICE THE ELEMENT.

REMOVING THE FILTER ELEMENT



Illustr. 43
Removal of the filter elements.

CLICK ANYWHERE FOR MORE DETAILS

AIR CLEANING SYSTEM

CLICK ANYWHERE FOR MORE DETAILS

REMOVING THE FILTER ELEMENT - Continued

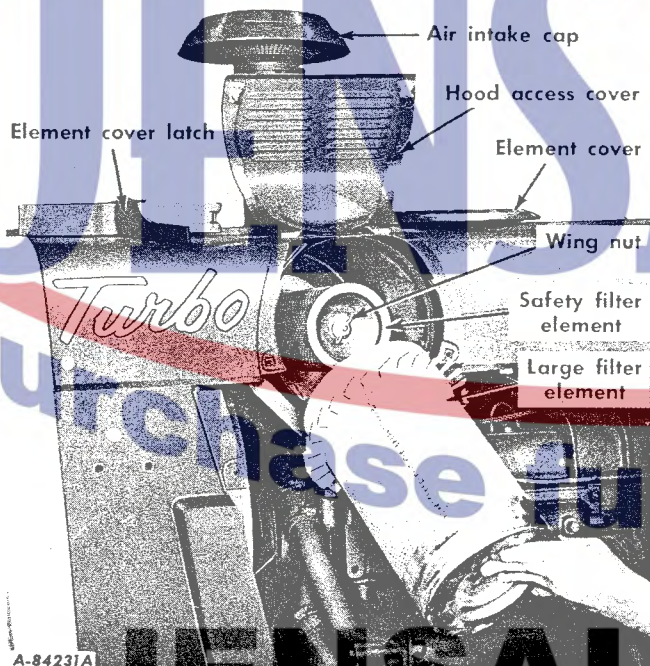
1. Stop the engine. The engine should never be run, under any conditions, without the elements in place in the air cleaner.

2. Loosen the knurled thumb screws and raise the hood access cover.

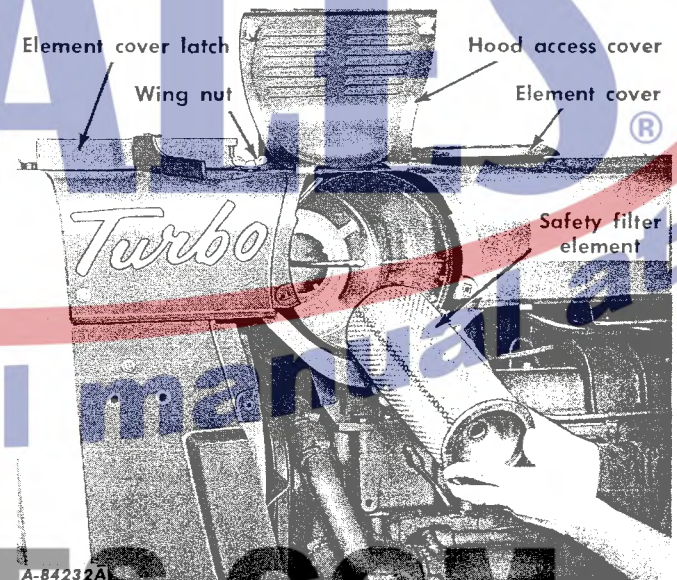
3. Remove the lower hood panel by loosening the knurled thumb screws.

4. Pull the handle of the element latch towards you and remove the latch from the slots.

5. Remove the filter element by pulling it straight out very slowly.



Illustr. 44
Removal of the large
filter element.



Illustr. 44A
Removal of the safety
filter element.

JENSALES.COM
or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

INDEX

Description	Page No.	Description	Page No.
Accelerator Pedal	7	Cold weather precautions	79, 80
Adding fluid after connecting cylinders and hoses	36	Combination pre-cleaner-pre-screener	46
Adding water to the cooling system	40	Combination rear light and taillight	54
Adjustable wide-tread front axle (Farmall 1256 Tractors)	59, 60	Connecting hoses to remote control break-away couplings	34
Adjustable wide-tread front axle (International 1256 Tractors)	60, 61	Connecting hoses to junction ports	34
Adjusting the seat	5	Contents	1
Adjusting the hydraulic seat	6	Cooling system	4, 40 to 42, 79, 80
Adjusting the hydraulic brake valve	74	Coupling the equipment (three-point hitch)	27, 28, 29
Adjusting the rear wheel tread widths (Farmall 1256 Tractors)	63	Crankcase breather	46
Adjusting the rear wheel tread widths	63 to 65	Crankshaft, bearings, pistons, and rings	56
Adjusting the toe-in (All-Wheel Drive tractors)	62	Cylinder head gasket	56
Adjusting the toe-in	60, 61	Deluxe fenders	52
After the engine starts	13	Diesel fuel specifications	11
Air cleaning system	4, 42 to 46	Draining water from the tractor fuel tank	14
Air cleaner elements	43 to 45	Driving the tractor	4 to 9
Air cleaner service indicator	43	Dry-type air cleaner	42, 43
Air in the system	36	Dual rear wheels	67, 68
Air intake cap and screen	45	Draft control	21, 22
All-Wheel Drive shift lever	3, 7 and 8	Electrical system	47 to 56
All-Wheel Drive front wheels	61, 62	Engaging or disengaging the torque amplifier	9
Alternator-generator belt tension	53	Engine clutch	76
Alternator-generator Tellite	54, 55	Engine clutch adjustment	76
Alternator-generator and regulator	53	Engine cooling system	4, 40, 41, 79, 80
Assembling the rear wheel double-bead rims (Farmall 1256 Tractors)	63	Engine oil	86
Automatic dust unloader	43	Engine oil cooler	86
Auxiliary valves and remote cylinders	33 to 36	Engine speed control lever	3, 57
Basic hydraulic system with power steering	18 to 20	Engine speed control lever position	58
Battery	55, 56	Engine speed control lever creep	58
Before operating your new tractor	4	Example of operating the three-point hitch with load control	29
Bleeding the brakes	74	Extra equipment and accessories	103
Brakes	74, 75	Fan and alternator-generator belt tension	41, 42
Brake adjustment	74	Filling the cooling system	40
Break-away connector socket	55	Filling the fuel tank	5
Brake pedals	3, 9	Float lockout	36
Care of the engine clutch	76	Fluid filter	88, 89
Care of tires	71	"Free to float" position (three-point hitch)	27
Cautions	53	Front end weights	69
Changing the filter element	87, 88	Front tire loads in pounds at various inflation pressures	72
Changing the starting fluid container (ether starting)	13	Front wheels (Farmall 1256 Tractors)	59, 60
Cigarette lighter	3	Front wheels (International 1256 Tractors)	60, 61
Cleaning the cooling system	41	Front wheel weights	70
Clutch pedal	3, 76, 77	Fuel filters	14, 15

INDEX

Description	Page No.	Description	Page No.
Fuel gauge	5	Operating the independent power take-off	39
Fuel injection pump and nozzles	16	Overloading (Pneumatic tires)	74
Fuel storage	14		
Fuel system	4, 9, 79	Park lock adjustment	75
Full flow oil filter	87, 88	Park lock lever	3, 8, 75
Fuse	55	Pneumatic tires	4, 71 to 74
Gear lubricant	87	Position control	3, 21
Governor linkage adjustment	58	Power brakes	19
Greasing the front wheels	89, 90	Power steering	19
Headlights	53	Power take-off	39
Hitching trailing equipment to the tractor	37, 38	Preparing the tractor for each day's work	4
Hitch lower links (three-point hitch)	26	Preventive maintenance guide	97 to 99
Hitch upper links (three-point hitch)	26	Priming the turbocharger	4, 10
Hub clamp stud assembly	67	Push button starting switch	3, 12, 47
Hydraulic controls for three-point fast-hitch	20 to 23	Quick Coupler (three-point hitch)	31, 32
Hydraulic fluid filter	88, 89	Radiator core and transmission oil cooler	41
Hydraulic system control levers	3, 35, 36	Rear tire loads in pounds at various inflation pressures	73
Independent power take-off operating lever	3, 39	Rear wheels (Farmall 1256 Tractors)	63 to 65, 68
Inflation (Pneumatic tires)	71 to 73	Rear wheels (International 1256 Tractors)	66 to 68
Injection pump governor	16	Rear wheel weights (two-piece)	70
Installing the three-point fast hitch linkage	30	Rear wheel weights (one-piece)	71
Instrument lamp	54	Removing from storage	78
Instruments and controls	3	Removing the three-point fast hitch linkage	30
Introduction	2	Reversing the rear wheels (Farmall 1256 Tractors)	63
Key switch	3, 47	"Rigid" hitch position (three-point hitch)	27
Lateral limiter (three-point hitch)	26	Run range (Inside lever)	23
Lift links and leveling crank (three-point hitch)	25	Rust prevention	41
Lighting switch	3	Safety starting switch	7
Lighting switch positions	53	Safety starting switch adjustment	77
Locking the brakes	9	Shipping tractors equipped with pneumatic tires	73
Lubrication	4, 20, 79, 85 to 90	Specifications	99 to 102
Lubrication fitting grease	87	Speedometer-tachometer	6
Lubrication guide	91 to 96	Starting the engine	12
Lubrication table	90	Starting the tractor	7
Minor engine service operations	56 to 58	Steering the tractor	8
Mounting tires on the rim	73	Stopping the engine	13
Oil pressure Tellites	3, 54	Stopping the tractor	8
Oil pump	86	Storing the tractor	77, 78
Operating double action cylinders	35	Sway limiter blocks (three-point hitch)	26
Operating pressure for low-pressure tractor tires	73	Swinging drawbar (heavy-duty)	37
Operating single action cylinders	35		
Operating the All-Wheel Drive	7, 8	Telescoping-type swinging drawbar	37, 38

INDEX

Description	Page No.	Description	Page No.
Temperature gauge	40	Turbocharger	10
Thermal expansion pressures	35	Turbo diesel engine and fuel system	9 to 17
Three-point fast hitch	24 to 30		
Tire chains	74		
To aid starting (Lubrication)	86		
To the owner	Inside cover	Uncoupling the equipment (three-point hitch)	29
Torque amplifier	9, 19	Using the spark plug tire pump	72
Torque amplifier operating lever	3, 9		
Torque amplifier valve operating adjustment	17	Valve clearance adjustment	57
Towing the tractor	8	Venting the fuel system	11
Traction and weights	73	Vertically adjustable drawbar and swinging drawbar (Standard)	37
Tractor break-in procedure	4	Warning light	54
Tractor with torque amplifier (Dump valve adjustment)	77	Water pump	42
Transmission brake adjustment	76	Water pump, alternator-generator, and fan belt tension	41, 42
Transmission range and speed levers	7	Wedge lock wheels	66
Trouble shooting	79 to 85	Weights	69 to 71
		Wheel weights	70, 71

purchase full manual at

JENSALES.COM
or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS