464 Tractor

Operators Manual

1084162R2

Reprinted

CASE

PREVIEW - YOUFIXTHIS.C

Download full manual at youfixthis.com

CONTENTS

INTRODUCTION	2
WORK SAFELY – FOLLOW THESE RULES	3,4
Servicing and Before Starting	3
Starting	3
Transporting	4
Before Dismounting	4
Dismounting	4
After an Upset	4
INSTRUMENTS AND CONTROLS	5,6
BEFORE OPERATING YOUR NEW TRACTOR	7
Tractor Break-In Procedure	7
Lubrication	7
Tires	7
Air Cleaning System	7
Engine Cooling System	7
Fuel System	7
DRIVING THE TRACTOR	8 to 13
Preparing the Tractor For Each Day's Work	8
Fuel Gauge	8
Filling the Fuel Tank	8
Suspension Seat	8
Steering the Tractor	9
Using the Brakes	9
Safety Starting Switch	9
Transmission Range and Speed Levers	10
Accelerator Pedal	10
Starting the Tractor	10
Differential Lock	11
Stopping the Tractor	12
Park Brake	12
Towing the Tractor	13
Tachometer	13
GASOLINE ENGINE AND FUEL SYSTEM	14 to 18
Starting the Engine	15
After the Engine is Running	16
Engine Oil Pressure Gauge	16
Stopping the Engine	16
Cleaning the Fuel Strainer and Sediment Bowl	17
Carburetor	17
Solenoid Fuel Shut-off Valve	18
DIESEL ENGINE AND FUEL SYSTEM	19 to 26
Fuel System	20
Warranty Notice	20
Venting the Fuel System	20
Starting the Engine	21
After the Engine is Running	23
Engine Oil Pressure Gauge	24
Stopping the Engine	24
Changing the Ether Fluid Container	24
Fuel Filters	25
Fuel Filter Water Drain Valves	26
Fuel Injection Pump and Nozzles	26
Injection Pump Governor	26
HYDRAULIC CONTROLS FOR THREE – POINT HITCH	27 to 31
Position Control Lever	27
Adjustable Stop	28
Draft Control	28
Raise Response	30
Drop Response	31
THREE – POINT HITCH	32 to 38
Lift Links and Leveling Cranks	32
Hitch Lower Links	33
Hitch Upper Link	33
Restraining Chains	34
Stabilizers	35
Power Take-Off	35
Coupling the Equipment	35
Example of Operating the Three-Point Hitch with Draft Control	37
Uncoupling the Equipment	38
Removing the Three-Point Hitch Linkage	38
Installing the Three-Point Hitch Linkage	38
HITCHING TRAILING EQUIPMENT TO THE TRACTOR	39, 40
Swinging Drawbar	39
Operating Position	40
Storage Position	40

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about your safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death. SB001

IF THIS MACHINE IS USED BY AN EMPLOYEE, IS LOANED, OR IS RENTED, MAKE SURE THAT THE OPERATOR UNDERSTANDS THE TWO INSTRUCTIONS BELOW.

BEFORE THE OPERATOR STARTS THE ENGINE:

1. GIVE INSTRUCTIONS TO THE OPERATOR ON SAFE AND CORRECT USE OF THE MACHINE.
2. MAKE SURE THE OPERATOR READS AND UNDERSTANDS THE OPERATOR'S MANUAL FOR THIS MACHINE.

WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH.

BEFORE STARTING THE ENGINE, DO THE FOLLOWING:

1. READ THE OPERATOR'S MANUAL.
2. READ ALL SAFETY DECALS ON THE MACHINE.
3. CLEAR THE AREA OF OTHER PERSONS.

LEARN AND PRACTICE SAFE USE OF MACHINE CONTROLS IN A SAFE, CLEAR AREA BEFORE YOU OPERATE THIS MACHINE ON A JOB SITE.

It is your responsibility to observe pertinent laws and regulations and to follow manufacturer's instructions on machine operation and maintenance.

See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

© 1995 Case Corporation

CASE and IH are registered trade marks of Case Corporation

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

DELIVERY SERVICE FOR INTERNATIONAL® HARVESTER EQUIPMENT

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Equipment and Model No. _____

Serial No. _____ Engine Serial No. _____

Owner _____ Dealer _____

Address _____ Address _____

Town _____ Town _____

State _____ Zip _____ State _____ Zip _____

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, and safe operation. The warranty policy provisions were also explained and reviewed.

_____
DEALER'S SIGNATURE

Above equipment and Operator's Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

_____ _____
DATE *AUTHORIZED SIGNATURE*

OWNER'S COPY

OWNER'S COPY

---------- *Cut Along This Line* ----------

DELIVERY SERVICE FOR INTERNATIONAL® HARVESTER EQUIPMENT

This form must be filled out by the dealer and signed by both the dealer and the customer at the time of delivery.

Equipment and Model No. _____

Serial No. _____ Engine Serial No. _____

Owner _____ Dealer _____

Address _____ Address _____

Town _____ Town _____

State _____ Zip _____ State _____ Zip _____

I have thoroughly instructed the buyer on the above described equipment which review included the Operator's Manual content, equipment care, adjustments, and safe operation. The warranty policy provisions were also explained and reviewed.

_____
DEALER'S SIGNATURE

Above equipment and Operator's Manual have been received by me and I have been thoroughly instructed as to care, adjustments, safe operation and applicable warranty policy.

_____ _____
DATE *AUTHORIZED SIGNATURE*

DEALER'S COPY

DEALER'S COPY

Download full manual at youfixthis.com

INTRODUCTION



1 - Rear 2 - Right 3 - Left 4 - Front

Illust. 2 - Terms of location.

PREVIEW - YOUFIXTHIS.COM

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

The illustrations in this manual are numbered to correspond with the pages on which they appear; for example, Illusts. 9 and 9A are on page 9.

A variety of optional equipment is available. Refer to "Optional Equipment". Operating and maintenance instruction on these items is included in the instructions for operating or maintaining the tractor. Disregard instructions for equipment not on your tractor.

These are a few facts that you should know about your tractor.

To tow the tractor, place the transmission range lever in neutral. Refer to "Towing the Tractor".

Never coast the tractor with the engine shut-off.

Change the hydraulic fluid filters at the specified interval. See "Lubrication Guide".

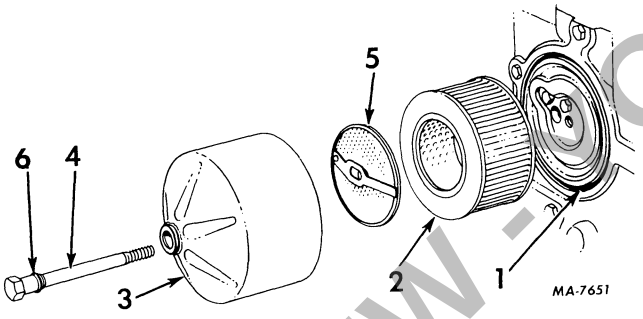
Download full manual at youfixthis.com

HYDRAULIC FLUID FILTER - Continued

The following sequence of filter service should be followed when the filter is changed:

Place a pan under the left side of the tractor below the filter opening cover and remove the filter assembly. Some of the fluid will drain into the pan.

Remove the filter element and by-pass valve from the cover. Discard the filter element.



1 - Filter cover gasket
2 - Element
3 - Filter cover
4 - 7/16NC x 5-3/4-inch cap screw with O-ring
5 - By-pass valve and screen
6 - O-ring

Illust. 76
Hydraulic fluid filter disassembled.

Disassemble the cap screw with O-ring and cover.

Remove the used filter cover gasket on multiple control valve flange and O-ring on the filter cover bolt and discard. Replace with new gasket and O-ring supplied in filter replacement package. Be sure to lubricate both gasket and O-ring with "Hy-Tran" before installation.

Clean the by-pass valve screen with a brush using kerosene or diesel fuel.

Note: Check to make sure the rubber grommet "A" Illust. 77 stays attached to the by-pass valve while passing the cap screw through it.

Assemble by-pass valve and element in cover and insert bolt with lubricated O-ring into cover. Hold filter cover against multiple control valve flange with enough press sure to overcome by-pass spring load. Tighten bolt finger tight while holding cover against multiple control valve flange. During last few turns of the center bolt also rotate filter cover assembly along with bolt. Take care to insure the filter cover is positioned properly in the groove when tightening the bolt. When the filter cover bolt is finger tight use wrench to draw bolt up snug. Do not over tighten. If a torque wrench is available the bolt should be torqued to 12-16 foot-pounds.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

LURICATION GUIDE

Key to Lubrication Guide

The symbols shown around the reference numbers in Illust. 79 indicate the intervals of lubrication. Paragraph numbers correspond to reference numbers in the illustrations.

▲ Daily or After Every 10 Hours of Operation

1. Engine Filler Bayonet type oil level gauge

Always check for safe crankcase oil level (above the "Add" mark) before starting the engine. The oil level varies with temperature (due to expansion) and drain down time; therefore, the level can be checked accurately only with the vehicle on level ground with the engine hot and after it has stopped for 10 to 20 minutes.

NOTE: The proper method of checking the oil level with the bayonet-type oil lever gauge (1) is: Turn the cross piece on the gauge counterclockwise to release it, remove the gauge from the oil filler tube and wip it clean. Reinsert the gauge all the way without turning it, then remove the gauge and check the oil level. The oil level must be maintained between the "Add" and the "Full" marks. Reinsert the gauge all the way, and turn the cross piece clockwise to tighten it.

2. Center steering arm (2)
3. Steering knuckle post (2)
4. Steering cylinder pivot pin (2)
5. Adjustable tie rod (4)
6. Front axle pivot pin (2)
7. Brake pedal

Use IH 251H EP grease or equivalent #2 multi-purpose lithium grease and apply two or three strokes of lubricator, or sufficient grease to flush out the old grease and dirt.

Three-Point Hitch

8. Leveling crank gear box (right side)
9. Leveling screw housing (2)

Use IH 251H EP grease or equivalent #2 multi-purpose lithium grease and apply sufficient lubricant to flush out old grease and dirt.

10. Hydraulic fluid filter

NOTE: After the first 10 hours only, remove and clean the filter by-pass valve screen and replace the element as instructed on pages 75 to 77. Change the element at 100 hours, 250 tachometer hours, and then every 250 hours of operation thereafter.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

INSTRUMENTS AND CONTROLS

Page references for items shown in Illust. 5.

1 - Ammeter (Page 55)

2 - Fuel gauge (Page 8)

3 - Parking brake warning light (Page 56)

4 - Transmission oil pressure tellite (Page 74)

5 - Tachometer (Page 13)

6 - Horn button (Page 5)

7 - Ether start push button (Diesel) (Page 22)

8 - Clutch pedal (Synchromesh transmission) (Pages 10 and 12)

9 - Transmission speed lever (Synchromesh transmission) (Page 10)

10 - Transmission range lever (Synchromesh transmission) (Page 10)

11 - Park brake (not seen) (Page 12)

12 - Engine oil pressure gauge (Pages 16 and 24)

13 - Heat indicator (coolant) (Page 46)

14 - Engine speed control lever (Page 15)

15 - Fuse holder (not seen) (Page 56)

16 - Lighting switch (Page 55)

17 - Key ignition switch (Pages 8 and 16)

18 - Cigarette lighter (Page 5)

19 - Fuel control knob (Diesel) (Page 21)
Push-pull choke control knob (Gasoline) (Pages 15 and 16)

20 - Brake pedal latch (Page 9)

21 - Brake pedals (Page 9)

22 - Auxiliary valve operating levers (Pages 42 and 43)

23 - Draft control lever (Pages 28 to 30)

24 - Position control lever (Pages 27 and 28)

25 - Independent power take-off operating lever (Page 45)

26 - Raise response lever (Pages 30 and 31)

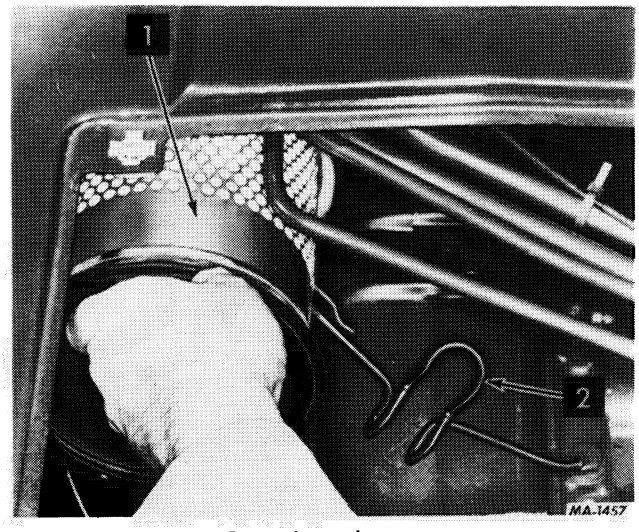
27 - Differential lock pedal (Page 11) (not seen)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

AIR CLEANING SYSTEM

REMOVING THE FILTER ELEMENT



1 - Filter element
2 - Clamp

Illust. 50
Removal of the filter element.
(Top panel removed)

Cleaning the Filter Element

Note: The paper element must be handled with care. It will not stand the abuse of rapping on a tire or hard surface.

1. Direct clean, dry compressed air up and down the pleats on the "Clean Side" (inside) of the element. Continue this until the element is clean.

An element cleaning tool (No. 407 073 R1) for use with compressed air, available from your International Harvester dealer, will do a faster and more efficient job of removing dust than a regular air gun or nozzle.

Note: Air pressure at the nozzle must not exceed 100 pounds per square inch.

Replace the filter element after ten cleanings or annually, whichever comes first, with a new element supplied by your International Harvester dealer.

Inspection

1. Inspect the contact surfaces of the element and the air cleaner body. If faulty or damaged gaskets or surfaces are noted, correct these conditions immediately.

2. Remove any dirt, found inside the air cleaner body, with a damp cloth before reinstalling the elements.

3. Before resuming operation, inspect and tighten all air cleaner and air induction system connections.

AUTOMATIC DUST UNLOADER

The unloader automatically allows the accumulated dirt in the air cleaner body to drop out when the weight of the dust overcomes the vacuum that keeps the unloader lips closed.

After every 100 hours of operation, and with the engine stopped, squeeze the dust unloader to be sure the rubber lip seal is not blocked. Inspect dust unloader for cracks, ruptures, wear or hardening of rubber. Replace if necessary.

Note: When replacing the dust unloader on the air cleaner, be sure the flat side of the hose is in line and not broadside to the fan blast so the normal functioning of the dust unloader is not affected. See Illust. 49.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

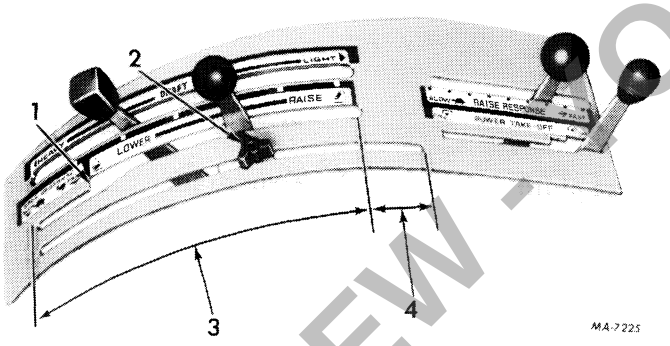
POSITION CONTROL LEVER (INSIDE LEVER) - Continued

The position control lever is always used when operating with equipment (implements) that is not draft controlled, such as post hole diggers, cranes, platform carriers, etc. Implements of this type may be held at any desired position within the complete lift range of the hitch. The position of the hitch-mounted equipment is directly related to the location of the position control lever in the quadrant.

An adjustable stop is provided for use whenever it is desirable to return the position control lever from transport to the same operating position. See Illust. 28. If the operator wishes to move past the stop to temporarily change operating position, the lever may be deflected outward to clear the stop. The stop may be moved to the rearmost point of the quadrant to remove it from the operating range of the position control quadrant.

CAUTION! Never park the equipment in the raised position. Moving the control lever will lower the equipment even though the engine is not running. If it is necessary to service the equipment in the raised position, use jackstands to safely block the equipment in place.

ADJUSTABLE STOP

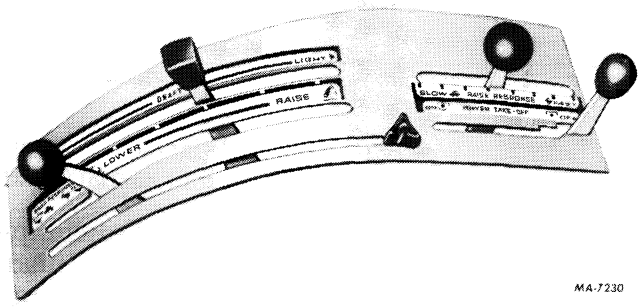


1 - Offset
2 - Adjustable stop
3 - Range of movement of adjustable stop
4 - Storage position of adjustable stop

Illust. 28
Adjustable stop being used to return position control lever to the same operating position.

DRAFT CONTROL (OUTSIDE LEVER)

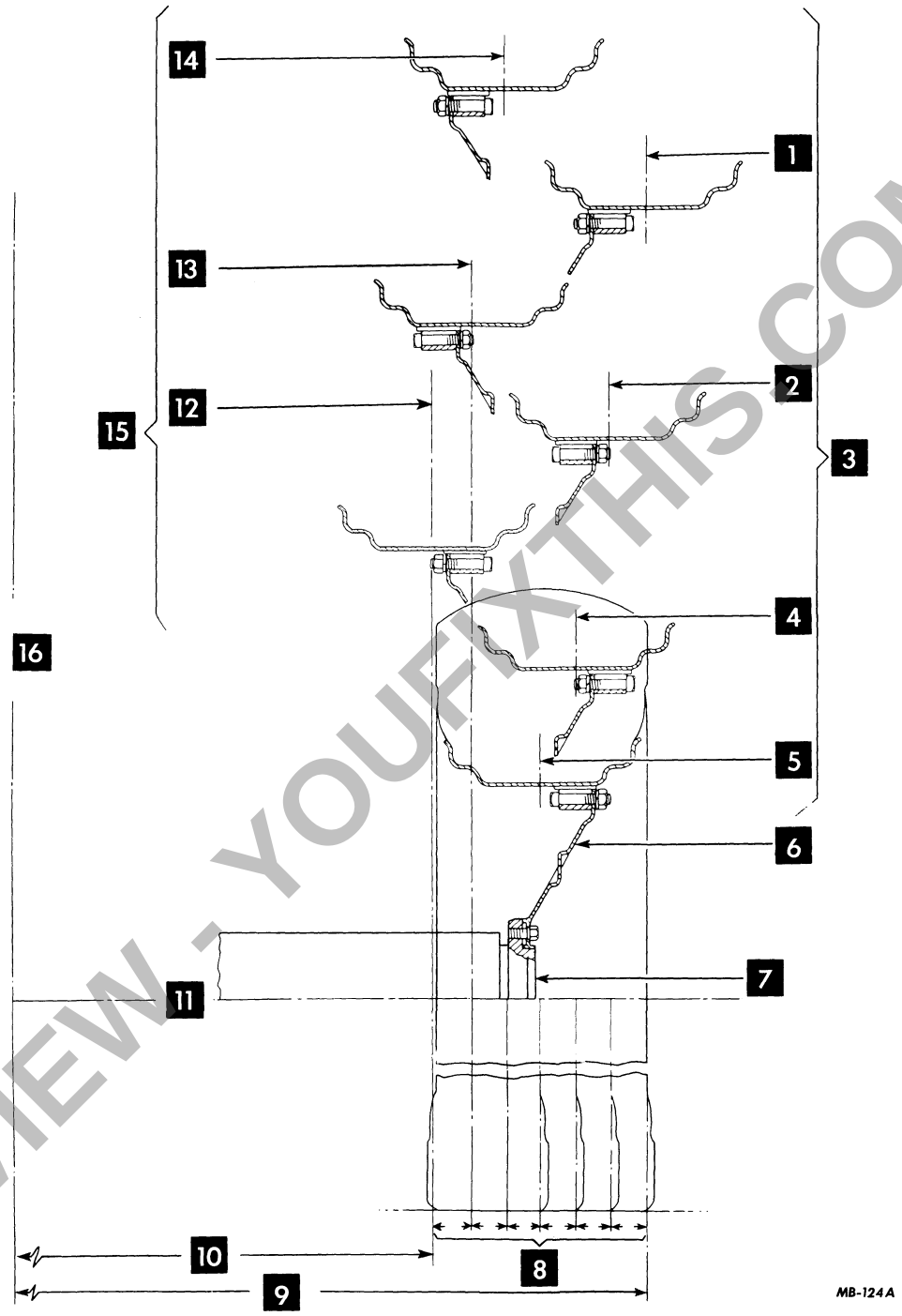
Draft control is the ability of the hitch to quickly respond to variations in load (or draft) so as to maintain a virtually constant load on the tractor.



Illust. 28A
Starting below-ground-working equipment in the ground. Draft control lever position governs depth of operation.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



1 - 76'' Tread lug outside
2 - 72'' Tread lug inside
3 - Wheel concave turned out
4 - 68'' Tread lug outside
5 - 64'' Tread lug inside
6 - Wheel Disc
7 - Axle Hub
8 - 2'' 2'' 2'' 2'' 2'' 2''
9 - 76'' Maximum tread
10 - Minimum tread 48'' with 12.4-28 tires or 52'' with 13.6-28 tires
11 - Centerline of rear axle
12 - 52'' Tread lug outside using 13.6-28 tires
13 - 56'' Tread lug inside
14 - 60'' Tread lug outside
15 - Wheel Concave turned in
16 - Centerline of tractor

Illust. 61 - Diagram of rear wheel tread positions (with demountable rims)

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 105 pages

The full manual includes:

- All 105 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Case IH 464 Tractor, International 464 Tractors Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual