

284 Tractor

Operators Manual

1004164C1

CASE III



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.



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.

To The Owner

Your new International Harvester tractor is designed to meet today's exacting operating requirements. The ease and comfort of operation, the ability to match ground speeds to engine power and work requirement, and the effort less versatility of the hydraulic system are intended to lighten your work and shorten your hours on the job.

Your local International Harvester dealer is interested in the performance you receive from this tractor. He has factory trained servicemen, informed in the latest method of servicing tractors, and modern tools, and original-equipment IH service parts which assure proper fit and good performance.

To obtain top performance and assure economical operation the tractor should be inspected, depending on its use, periodically, or at least once a year, by your International Harvester Dealer.

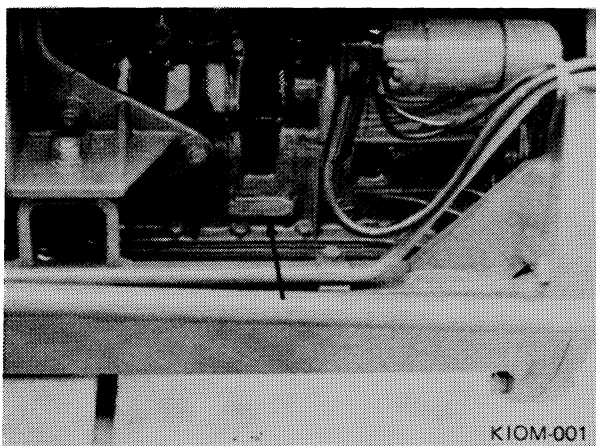
Before you operate the tractor, study this manual carefully. It has been prepared to help you operate and maintain your tractor with utmost efficiency. New copies may be ordered from your dealer at a nominal price.

When in need of parts, always specify the tractor and engine serial numbers, including prefix and suffix letters. Write these serial numbers in the spaces provided below.

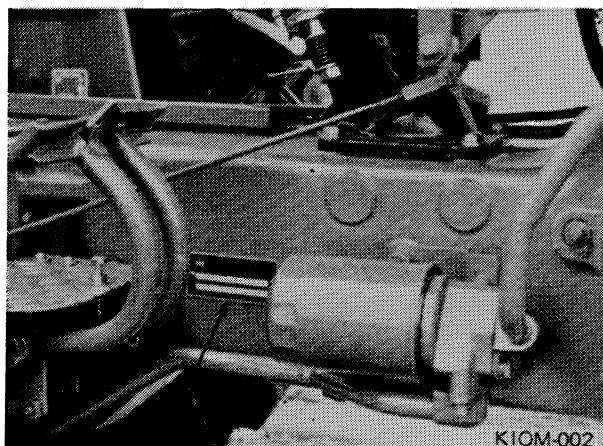
METRIC (SI) MEASUREMENTS

3 401452

A standard of measurement known as International System of Units (SI) has been adopted for world-wide use. English Units followed by Metric Equivalents are used throughout this manual. (Metric Equivalents are given in parentheses.)



1. Engine serial number



2. Tractor serial number

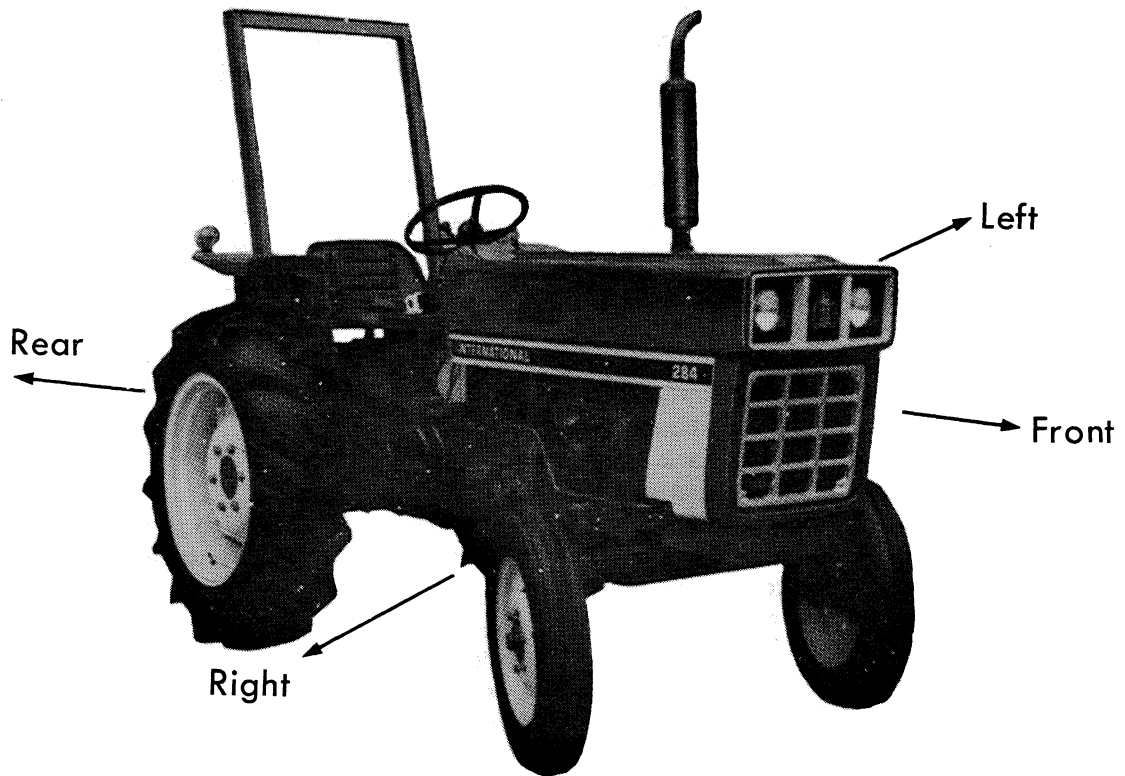
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INTRODUCTION



International 284 Tractor showing terms of location
(Tractor in picture with operator protective frame)



CAUTION! For your protection in the event of accidental upset, International Harvester Company recommends the use of a protective frame.

Assembled in this manual are operation, lubrication and maintenance instructions for International 284 Tractors. This material has been prepared in detail in the hope that it will help you to better understand the correct care, efficient and safe operation of the tractor.

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



CAUTION

Read the Operator's Manual.
Learn to operate this machine SAFELY.
Be alert Observe All Safety Practices.
Machines can be hazardous in the hands of an
UNFAMILIAR, UNTRAINED or COMPLACENT
operator.
Don't risk INJURY or DEATH.

WORK SAFELY—FOLLOW THESE RULES



This symbol is used to call your attention to instructions concerning your personal safety. Following these instructions will reduce the possibility of bodily injury while operating the tractor.

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT

No one should operate this machine while under the influence of intoxicants or drugs (medications) that impair the senses or reaction.

Handle gasoline with care—it is highly flammable:—
A. Use approved gasoline container. B. Never remove the fuel tank cap or fill the fuel tank when the engine is running, hot, or indoors. Also, do not smoke when working around flammable fuel. Wipe up spilled gasoline. C. Before starting the engine check the fuel tank cap to be certain it is tightened completely against the stop.

Remove the radiator cap only when the engine is off and cool to avoid possibility of severe burns or scalding.

Hydraulic fluid escaping under pressure can have enough force to penetrate the skin. Hydraulic fluid may also infect a minor cut or opening in the skin. IF INJURED BY ESCAPING FLUID, SEE A DOCTOR AT ONCE. Serious infection or reaction can result if medical treatment is not given immediately. Make sure all connections are tight and that hoses and lines are in good condition before applying pressure to the system. Relieve all pressure before disconnecting the lines or performing other work on the hydraulic system. To find a leak under pressure use a piece of cardboard or wood. Never use hands.

BEFORE STARTING

Know how to use the controls and how to stop the tractor and/or implement quickly. READ THE TRACTOR and IMPLEMENT OPERATORS MANUAL THOROUGHLY.

To reduce the possibility of accident or injury, any person who operates the tractor must be instructed in the safe operation of the unit, its attachments and all controls. An operator must be capable of safely operating all controls of the tractor and its attachments.

Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a tractor in bare feet, sandals, or sneakers.

Clean dirt, trash, and grease from operator's platform, pedals, steps, and steering wheel to prevent falling from the machine or loss of control which could result in serious injury.

Clear work area of foreign objects which might be picked up and thrown by the equipment.

Check overhead clearance carefully before driving under power lines, guy wires, bridges, low hanging tree branches, entering or leaving buildings, or other situations where the operator may be struck or pulled from the tractor which could result in serious injury.

Adjust tractor wheels to the widest practical setting to reduce the possibility of tipping.

Turn off power take-off, depress clutch pedal, and shift into neutral before starting the engine.

DURING OPERATION

Keep machine in good operating condition and keep safety devices in place. Use guards or shields as instructed in Operator's Manual.

To prevent injury, do not carry passengers or give rides. Keep children, pets, and by-standers out of the area. Only the operator should ride on the tractor and only in the seat.

Do not run the engine in confined areas such as storage buildings any longer than is necessary for immediate moving of the tractor out of or into the area. EXHAUST GASES ARE TOXIC. OPENING DOORS AND WINDOWS MAY NOT PROVIDE ADEQUATE VENTILATION.

WORK SAFELY – FOLLOW THESE RULES

To reduce the possibility of serious injury, never direct discharge of material from any attachment toward by-standers nor allow anyone in the area of the machine while in operation.

Use care when pulling loads or using heavy equipment:—A. Use only approved hitch points. B. Limit loads to those you can safety control. C. Don't turn too sharp, and use care when backing. D. Use counterweight or wheel weights when suggested in Operator's Manual.

To maintain control of the tractor and reduce the possibility of upset or collision operate the tractor smoothly—avoid erratic operation and excessive speed.

Reduce speed on slopes and in sharp turns to prevent tipping or loss of control.

Always keep the tractor in gear when going down steep hills, to take advantage of engine braking action.

Whenever possible, avoid driving the tractor on an incline such as a ramp or slope. If necessary to move the tractor on an incline, whenever practical back the tractor up the incline and drive the tractor forward down the incline. Use extreme caution if it is necessary to drive the tractor up an incline or back the tractor down an incline because the front of the tractor could lift and rapidly flip over backward which could cause serious injury.

Stay alert for holes, rocks, tree stumps and other hazards in terrain which could cause an upset or loss of control which could result in injury.

Shift transmission to neutral and set park brake, turn off power to any attachments and stop engine before leaving operator's seat to make any repairs or adjustments, to unclog power driven machinery or to attach implements. Wait for all motion to stop before dismounting the tractor.

Stop the machine and inspect for damage after striking an object. Repair any damage before restarting and operating the machine.

Watch out for traffic when near or crossing roadways.

Before backing the tractor always look for obstacles or by-standers in the area where the tractor will move.

TRANSPORTING

Use flags, S.M.V. emblem, lights, and/or other warning devices which are approved for use by your local government agencies, when moving equipment on public roads. Keep these devices clean and in good working condition.

Be sure hitches and/or drawbars are properly stabilized before towing equipment to reduce possibility of loss of control and upset or collision.

Shut off power to any attachment when transporting or not in use.

Avoid heavily-traveled roads when moving equipment, if at all possible.

When moving on public roads, or from field to field, lock brake pedals together for simultaneous operation when making a stop to reduce the possibility of loss of control and upset or collision.

Reduce speed when traveling on rough roads to avoid loss of control and upset or collision.

Be courteous, have consideration for other traffic using the road. Drive defensively.

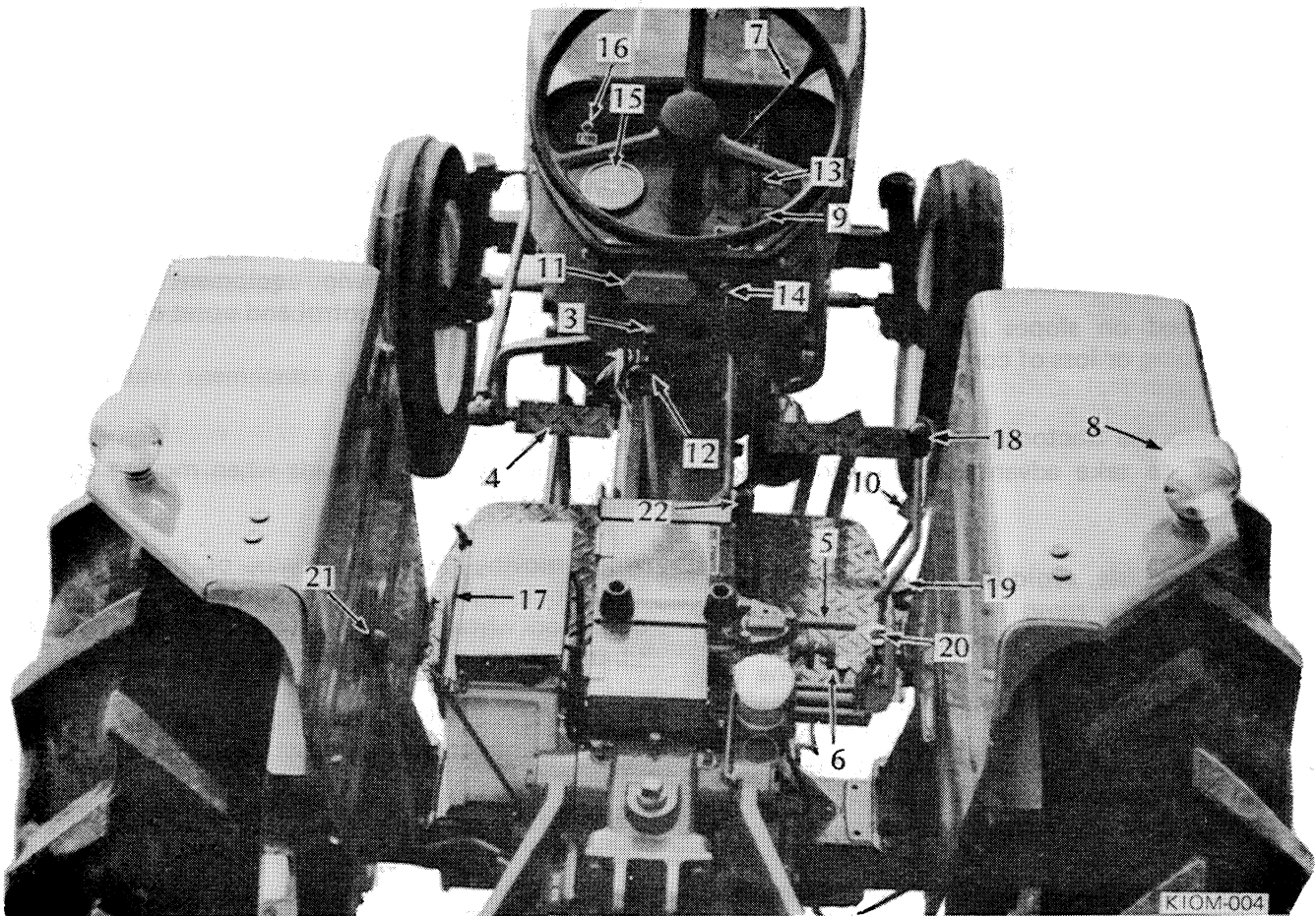
AFTER OPERATING

Lower equipment to ground before leaving tractor to avoid the possibility of the equipment dropping and causing injury.

To reduce the possibility of unattended movement of the tractor or its use by unauthorized operators which could result in an accident and injury, always turn off the power take-off, shift transmission into neutral, set the parking brake, stop the engine, and remove ignition key when leaving the machine unattended.

INSTRUMENTS AND CONTROLS

Before attempting to start or operate the tractor, be sure to review all the instructions for the new tractor and thoroughly familiarize yourself with the instruments and controls.



- 1 – Brake pedal
- 2 – Brake latch
- 3 – Choke
- 4 – Clutch pedal
- 5 – Differential lock pedal
- 6 – Drop control knob
- 7 – Engine speed control lever
- 8 – Flashing warning light
- 9 – Flashing light switch
- 10 – Foot throttle control
- 11 – Fuse block
- 12 – Gear shift lever
- 13 – Head and taillight switch
- 14 – Ignition switch

- 15 – Instrument cluster
(Tachometer, speedometer,
hour meter, water
temperature tellite, oil
pressure tellite, charge
indicator tellite)
- 16 – Low fuel indicator lamp
- 17 – Parking brake lever
- 18 – Position control lever
- 19 – Position control lever
adjustable stop
- 20 – Position control lever
lock
- 21 – Power take-off lever
- 22 – Transmission range lever

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