

# **404 Tractor**

## **Operators Manual**

**1082594R2**

***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

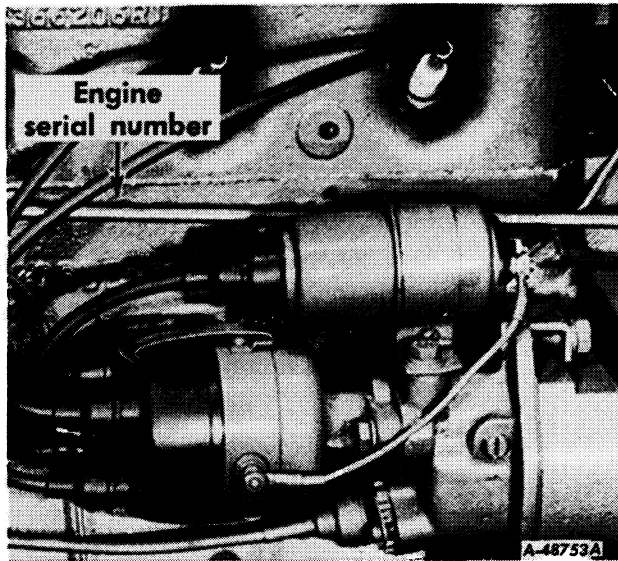
Your new International Harvester tractor is designed to meet today's exacting operating requirements. The ease and comfort of operation, the ability to match ground speeds to engine power and work requirement, and the effortless versatility of the hydraulic system are intended to lighten your work and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

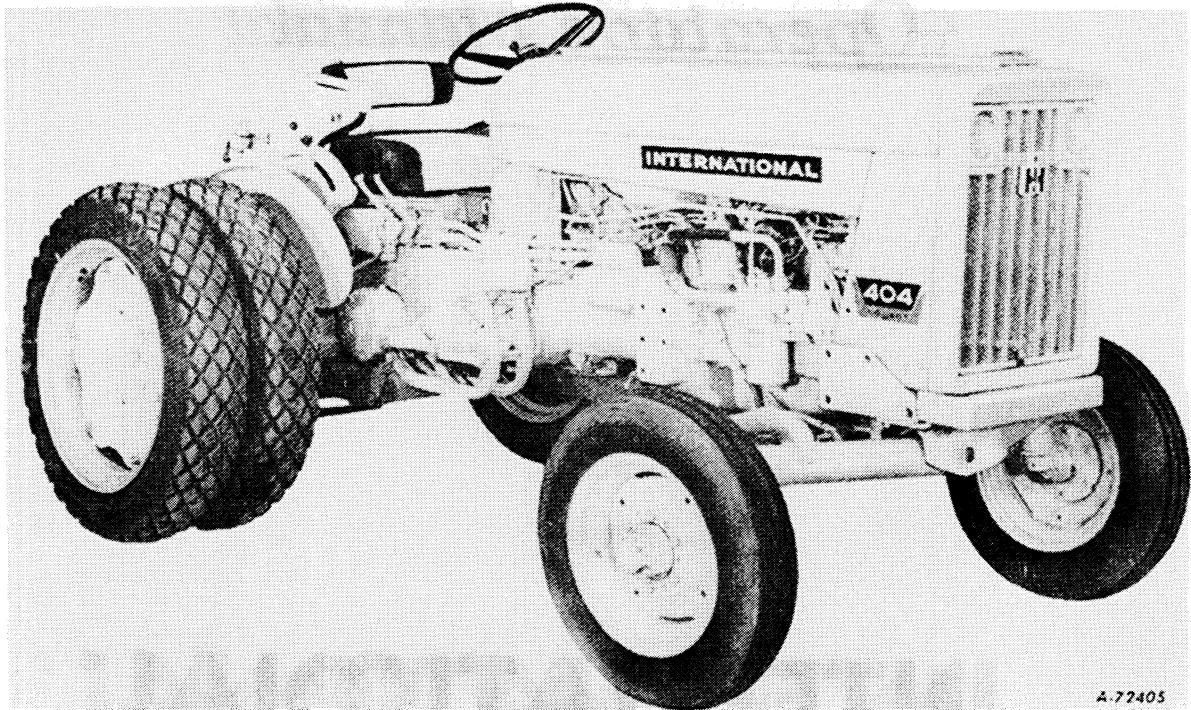


*Supplement to  
Operator's Manual*

**INTERNATIONAL<sup>®</sup>  
404 LO-BOY<sup>®</sup>  
Tractor**

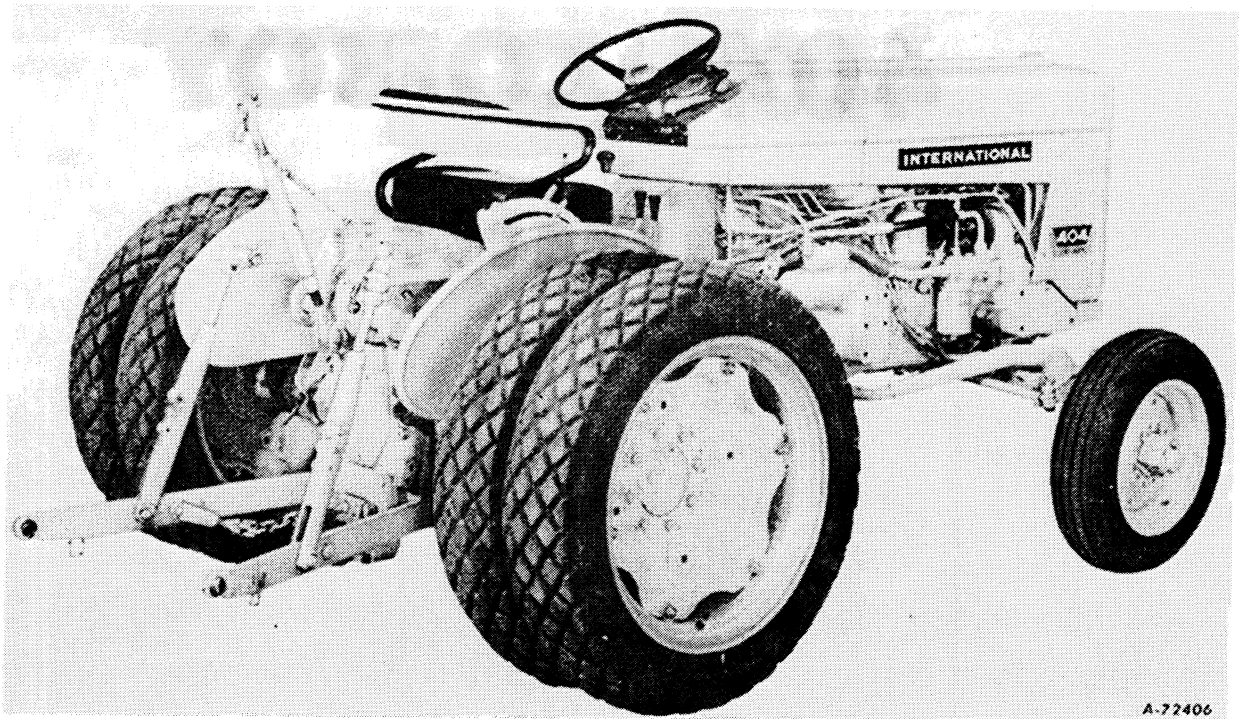
It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so. We reserve the right to make changes or add improvements at any time without incurring any obligation to make such changes on products sold previously.

All illustrations and descriptive matter in this publication apply to International Harvester products sold under the International, McCormick, or McCormick-International trade name.



A-72405

Illust. 1  
Right side view of International 404 Lo-Boy Tractor.



A-72406

Illust. 2  
Rear view of tractor equipped with a Three-Point Hitch.

**GENERAL INFORMATION**

The International 404 Lo-Boy Tractors are primarily designed for highway mowing and golf course maintenance. Some of the features of these tractors are listed below.

Lower profile and lower center of gravity. The low profile permits mowing on steep slopes.

The cross drawbar and the swinging drawbar are available for pull-behind implements.

The combination rear-light and tail light permits the operator to switch from a rear light when operating in the field and to a red tail light when traveling on the highway.

**Note:** It is recommended that dual 8.3-24-4 ply R3 rear tires with W-7-24 rim, and 5.90-16, 8-ply I 1 front tires with SKB-15DC rim be used with Lo-Boy tractors equipped with front loader.

These tractors are adaptable to many other uses and most of the extra equipment and parts accessories listed in the Farmall and International 404 Series Tractors Operator's Manual are available for the International 404 Lo-Boy Tractor.

Use the tractor Operator's Manual for operating and maintenance instructions except as noted in this supplement.

The dual rear wheels with demountable rims can be set from 50 to 74-inch tread positions by reversing the wheels and/or reversing the rims and bolting them on the inner or outer side of the wheels. See Illust. 3.

**Note:** When assembling the rear wheels to the hubs, tighten the mounting bolts to from 125 to 140 foot pounds torque.

The wheel rim bolts should be tightened to from 170 to 190 foot pounds torque.

The inner rear wheel must be set in the 55 inch tread position and the outer rear wheel

must be set at 73-3/4 inch tread position for a tractor equipped with a front loader. See Illust. 3.

The dual rear wheels can be adjusted to provide one, two or three inches clearance between tires. See Illust. 3.

**SPECIFICATIONS**

The following specifications apply to the Lo-Boy Tractors, displacing portions of those listed in the "Specifications" section of the Farmall and International 404 Series Tractors Operator's Manual.

**Wheels and Tread**

Front wheels, pneumatic	
tire size . . . . .	5.90-15
Rear wheels, pneumatic	
tire size . . . . .	8.3-24
Tread, adjustable	
front axle . . . . .	53-1/2 to 77-1/2 in.
Heavy duty front axle	
(fixed tread) . . . . .	53-1/2 in.
Tread, rear wheel . . . . .	50 to 74 in.
Wheelbase . . . . .	74 in.

**General Dimensions**

Length overall, including	
3-pt. Hitch . . . . .	124 in.
Width overall, maximum	
tread (w/Dual Rear tires) . . .	81 in.
Height to top of steering	
wheel . . . . .	52 in.
Minimum ground clearance	
under front axle . . . . .	16 in.
Minimum ground clearance	
under rear frame . . . . .	9 in.
Height of center of gravity . . .	24.9 in.
Incline degree of operation	
(Dual rear wheels) . . . . .	40 degrees
Turning radius, right (with	
brake applied) . . . . .	10 ft. 5 in.
Turning radius, left (with	
brake applied) . . . . .	9 ft. -9-1/2 in.

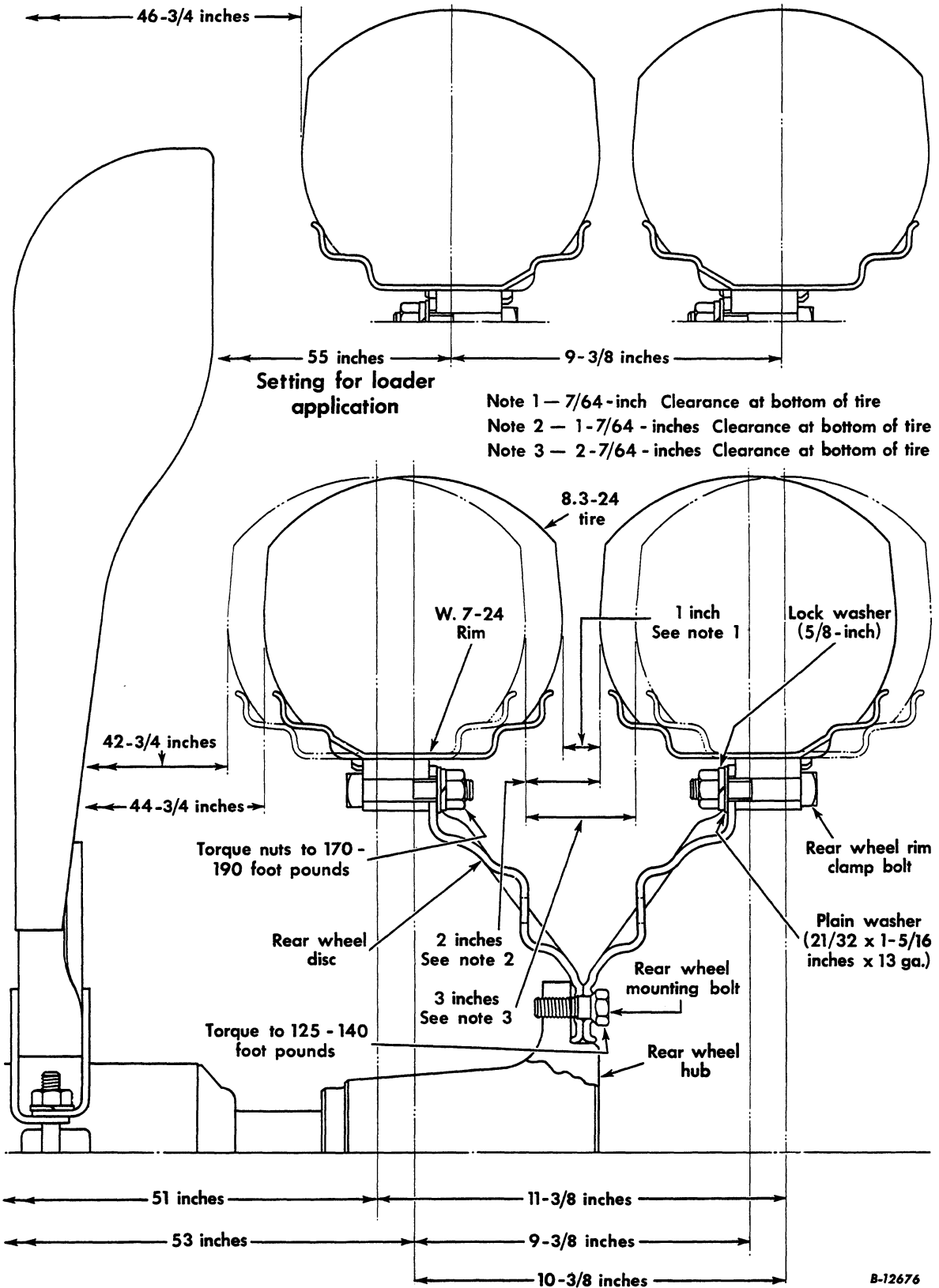
Miles per hour (speed based on 8.3-24 tires, and 2000 engine r.p.m.)

	Standard Transmission	Dual Range *		Forward and Reverse Drive*	
		Low	High	Forward	Reverse
1st Regular	1.7	1.7	2.4	1.7	2.0
2nd	3.2	3.2	4.6	3.2	3.8
3rd Regular	4.2	4.2	6.0	4.2	5.0
w/Hi-Speed 3rd Gear Attach.	5.9	5.9	8.4	5.9	6.9
4th Regular	11.1	11.1	16.1	11.1	13.2
w/Hi-Speed 3rd Gear Attach.	8.7	8.7	12.5	8.7	10.4
Reverse ** Regular	2.7	2.7	3.8	- - -	- - -

\* Transmission can be equipped with Dual Range or Forward and Reverse Drive Attachment, but not both.

\*\* Not used when tractor is equipped with Forward and Reverse Drive.

DUAL REAR WHEEL TREAD POSITIONS



B-12676

Illust. 3  
 Diagram of rear wheel tread positions.  
 (Tractor with dual rear wheels.)

**IMPORTANT FUEL SYSTEM SAFETY WARNING  
AND  
ANNOUNCEMENT OF FREE, REPLACEMENT GASOLINE CAP**



**CAUTION!** The following information pertains to personal safety. Be sure to read and follow these instructions.

**PROBLEM — Gasoline vapors can build up pressure in your gasoline tank.**

All gasoline fuels are more volatile today than ever before. They vaporize and build up pressure in your gasoline tank more easily than in the past. Winter grade gasoline is especially subject to vaporization and pressure build-up when used on hot Spring or Fall days. If you have a tractor which is out of tune or not properly maintained, it can run hotter and increase vaporization.

**DANGER — Fire and personal injury.**

If the fuel cap is removed when the gasoline tank is hot and vapor pressure has, under certain circumstances, built up in the tank, this sudden release of pressure could force gasoline out of the tank. If the gas cap is not fully secured and tightened, it could come off the tank, and again, gasoline could escape. This sudden eruption of gasoline exposes the operator to, and may cover him with, liquid fuel and vapors and is a clear fire hazard if a source of ignition is present. A running engine is a source of ignition, as are cigarettes, open flames, sparks or a poorly maintained exhaust system. **An immediate fire could occur.** The operator or anyone in the area could be burned and suffer serious injury or even death.

**PRECAUTIONS — Observe the following steps for safe operation:**

- Always tighten gas caps securely.
- Never, under any circumstances, take the gas cap off a hot or running tractor.
- Never hold over Winter gasoline for use in the Spring. Remove any equipment unnecessary for warm weather operations, such as comfort covers, heat housers, or radiator covers.
- Maintain equipment properly and pay particular attention to electrical, exhaust, fuel, and cooling systems. Repair or replace frayed electrical wires; leaky exhaust manifolds, gaskets, pipes and mufflers; damaged carburetors, sediment bowls and fuel lines. Be sure radiators are clean inside and out. Clean off any accumulation of trash, oil or grease.
- Make sure that fuel cap vent holes are not plugged, gaskets are in good condition, and that cap tangs are firmly riveted. Repair worn, bent, or deformed filler necks and damaged heat shields or shield insulation. If your tractor is not equipped with a heat shield or insulation, install such equipment on applicable models.
- Be alert to any unusual sights and sounds during operation. If you suspect overheating or pressure build-up in the fuel system, do not touch the cap. Turn off the engine and allow the tractor to cool before you touch the cap.



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