

# **1456 Turbo Diesel Tractor**

## **Operators Manual**

1082850R1

Reprinted

**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.



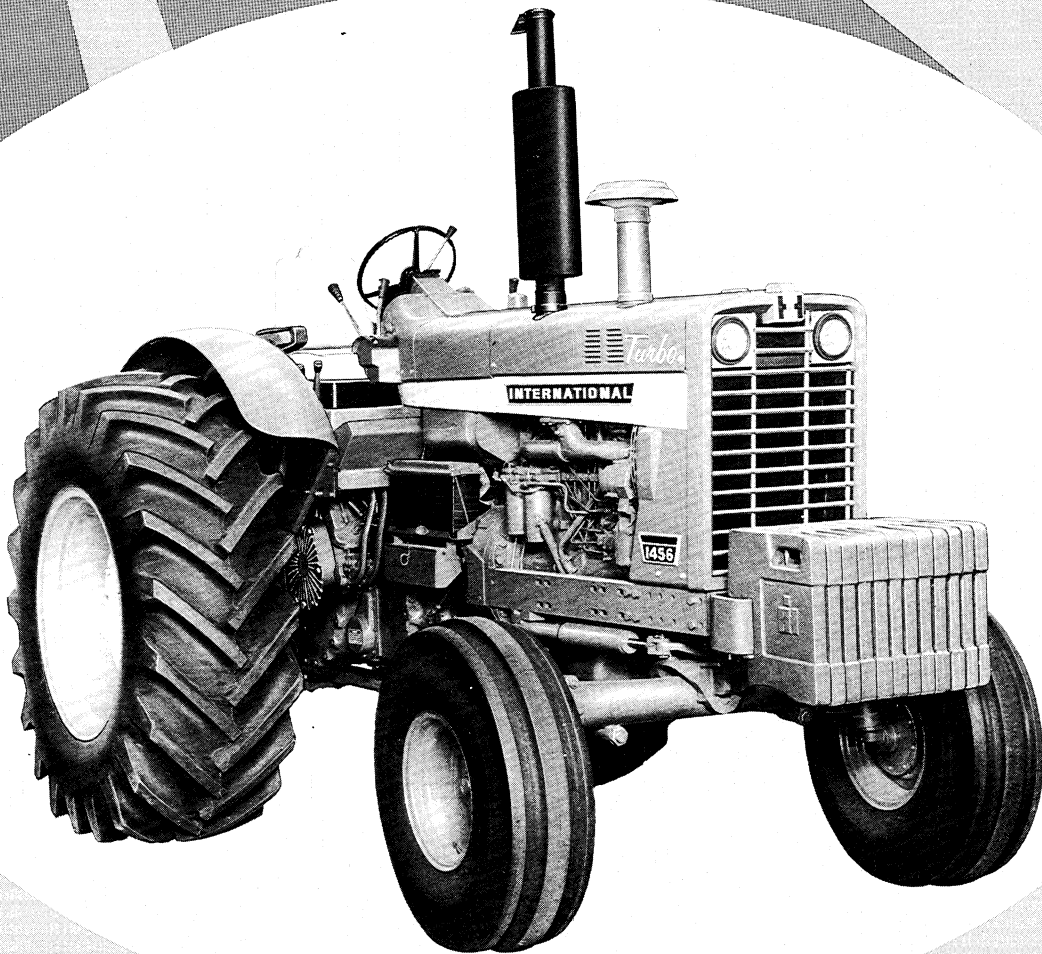
# OPERATOR'S MANUAL

**INTERNATIONAL®**

**1456**

**TURBO DIESEL  
Tractor**

**OPERATION  
MAINTENANCE  
LUBRICATION**



# To The Owner

Assembled in this manual are operation, lubrication, and maintenance instructions for the Farmall and International 1456 Turbo Diesel Tractors, including the All-Wheel Drive model. This material has been prepared in detail in the hope that it will help you to better understand the correct care and efficient operation of your tractor.

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.

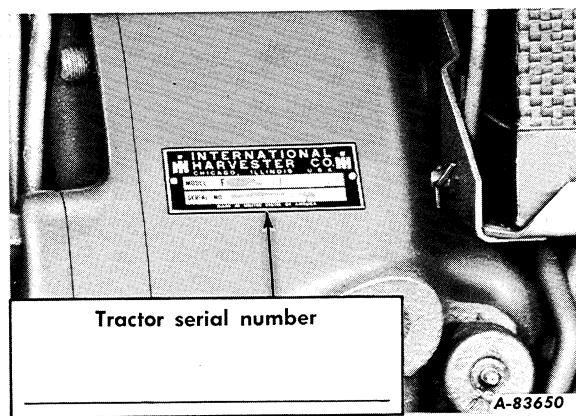
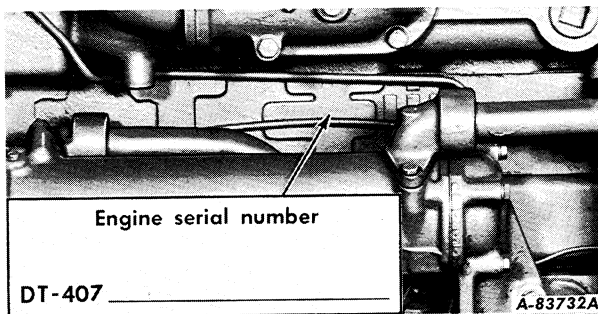
Your local International Harvester dealer is interested in the performance you receive from this tractor. He has factory-trained servicemen, informed in the latest method of servicing tractors, and modern tools, and original-equipment IH service parts which assure proper fit and good performance.

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.

**Note:** When transporting a unit equipped with a turbocharger on a high speed carrier, seal the intake and exhaust pipe openings to prevent turbocharger damage.



# Accidents can be prevented with your help

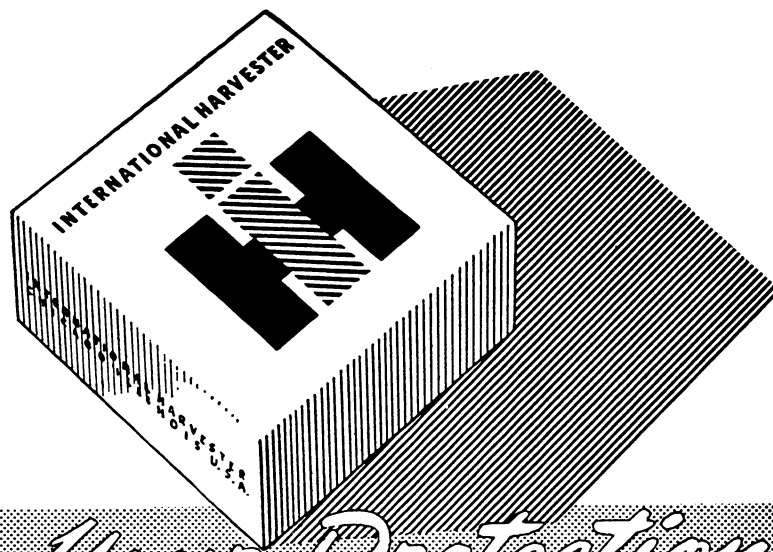
No accident-prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of equipment.

To read accident reports from all over the country is to be convinced that a large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it be on the highway, in the harvest field or in the

industrial plant, can be safer than the man who is at the controls. If accidents are to be prevented—and they can be prevented—it will be done by the operators who accept a full measure of their responsibility.

It is true that the designer, the manufacturer, the safety engineer can help; and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said that "*the best kind of a safety device is a careful operator.*" We ask you to be that kind of an operator.



*For Your Protection*

## Use IH Parts

### TO THE OWNER—

*You have just purchased one of the finest pieces of equipment available today. You can look forward to years of good service because International Harvester machines are designed better and built better to last longer.*

*When you need to purchase replacement parts or have your equipment serviced, we will be here, ready to serve you.*

*We stock genuine IH parts—the parts that are designed for your equipment, not just made for it.*

*We also offer you IH Blue Ribbon Service—the service that puts your equipment back to work in minimum time at an economical cost. We are here to serve you—call on us in the future.*

*Sincerely,*

---

*Your IH dealer*

Supplement to Operator's Manuals  
1 082 649 R2 Rev. 5, 1 082 650 R2, Rev. 6, 1 082 850 R1 Rev. 1,  
1 082 914 R1, and 1 082 915 R1

Wedge Lock Wheels  
for  
INTERNATIONAL<sup>®</sup>  
756, 826, 856, 1026, and 1456  
Tractors

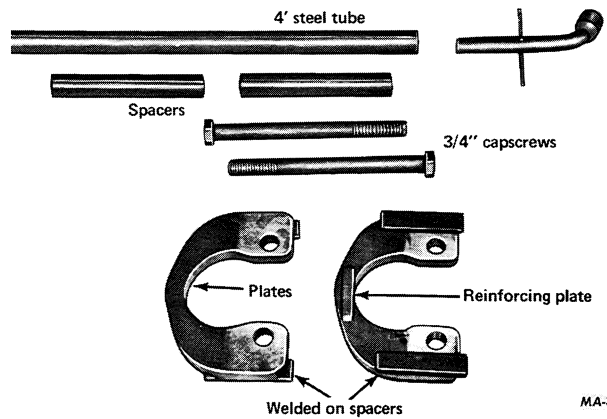
**INTERNATIONAL HARVESTER COMPANY**

401 NORTH MICHIGAN AVE. CHICAGO, ILLINOIS 60611, U.S.A.

## HOW THE WEDGE LOCKS WORK

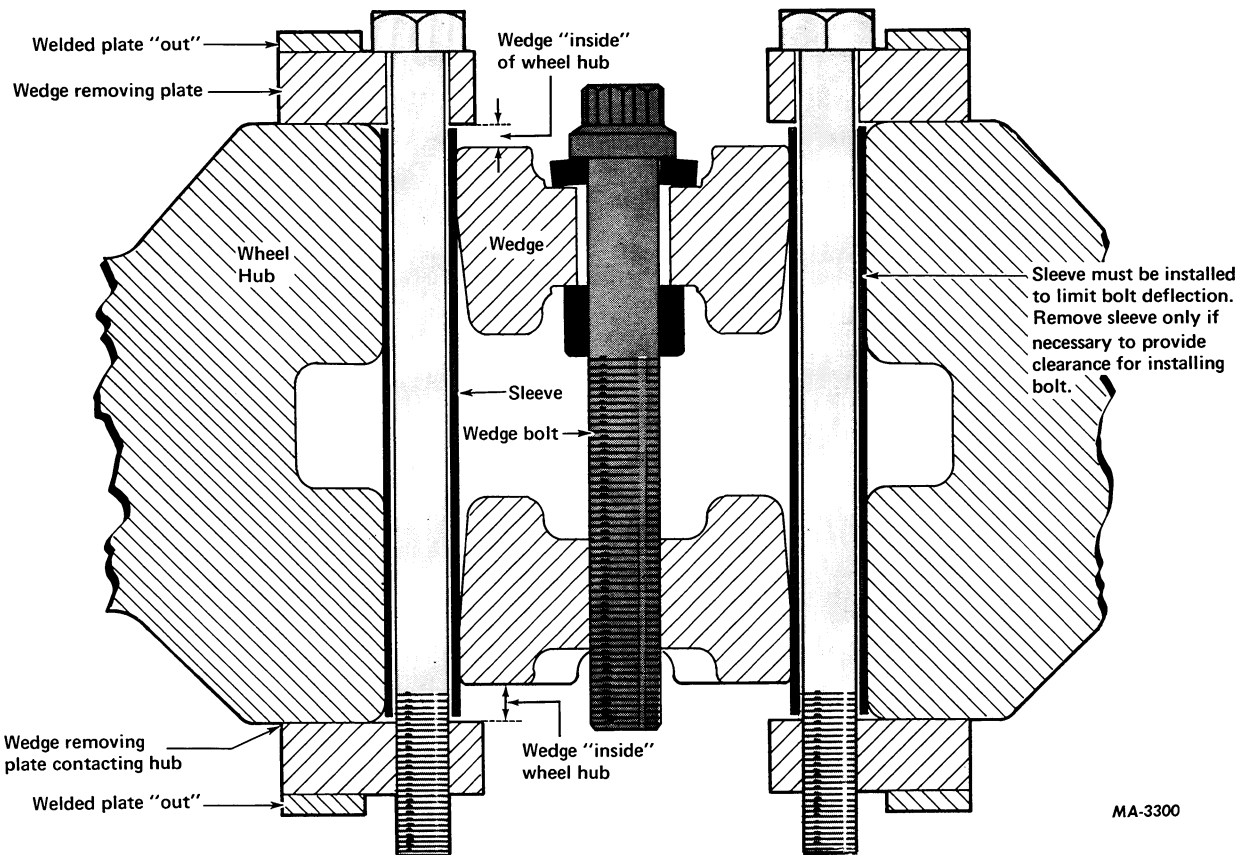
The wedge bolt is used to pull the wedges into place and lock the axle and wheel together. Once the wedges are seated and the wheel does not move on the axle, the bolt does not need to be tight to keep the wedges in place. The Belleville washers under the head of the bolt act as a spring on the wedges to help them "work" into their seat.

One of the wedges is loosened by backing out the wedge bolt. After the first wedge is loose the wedge removing tool is needed to loosen the second wedge. The loose wedge is "backed up" by one plate of the wedge removing tool. The opposite plate is against the wheel hub. Backing out the wedge bolt (with the loose wedge held by its plate) forces the tight wedge out. See **Illust. 1**.



**Illust. 1**  
Wedge removing tools.

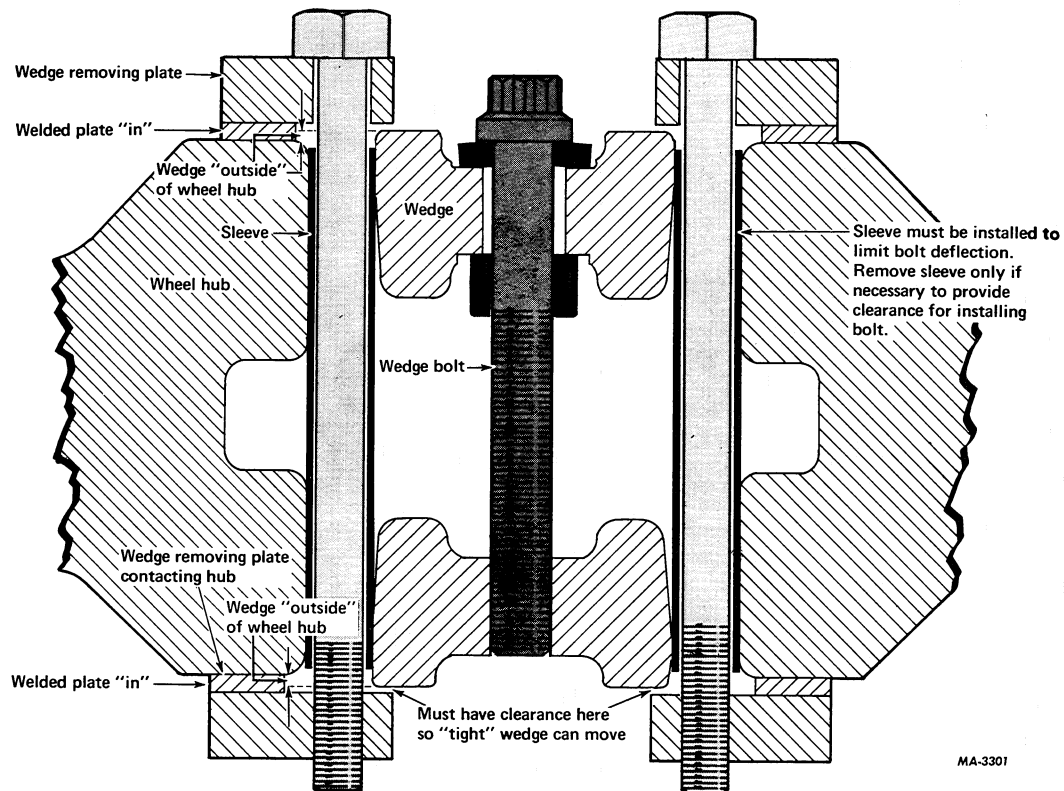
The wedge removing plates are designed to be used with the flat face against the wheel hub when the wedges are "inside" the wheel hub and with the spacers against the hub when the wedges protrude "outside" the hub.



**Illust. 2**  
Wedge removing plates mounted with welded plates "OUT" when wedges are "INSIDE" of wheel hub.



## HOW THE WEDGE LOCKS WORK – Continued



**Illust. 3**  
**Wedge removing plates mounted with welded plates**  
**“IN” when wedges are “OUTSIDE” of wheel hubs.**

**Important:** The plates must be mounted so that there is clearance between the plates and the wedges so that the wedges can move. See **Illusts. 2 and 3.**

The sleeves on the 3/4-inch diameter bolts limit bolt deflection and prevent distortion and spreading of the puller plates and cocking of the loose wedge.

### TIGHTENING WEDGE WHEELS

New wheels will require retightening once or twice in the first days use. If the wheel has not moved on the axle, the bolt should not be retightened regardless of its state of torque. Once the wedges have seated, the bolt can be finger-tight without any loosening of wedges.

1. With the wheel on the ground and tread set as desired, position the wedge on top of the axle.

2. Tighten wedge to 400-500 foot-pounds. See “\*”.

3. With the tractor on firm ground, preferably a driveway or paved area, drive the tractor in first gear (low range and reverse), approximately 1000 engine R.P.M., and apply the brake sharply, three or four times, on side being tightened, then retighten bolt to 400-500 foot-pounds. See “\*”. On wheels previously tightened, the above is considered adequate. On new wheels, the procedure should be repeated until the bolt torque has not dropped below 200 foot-pounds in the driving and braking.

4. Do not hammer on wedges. It will damage the axle bearings.

\* 400 foot-pounds of torque is equal to 100 pounds pull on the end of the 4 foot pipe provided as part of the tools for servicing wedge lock wheels.

***Buy Now***



Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)