

**4386, 4586, 4786  
Tractors**

**Operators Manual**

1096026R4

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.

## To The Owner

Before you operate the tractor study this manual carefully. It has been prepared to help you operate and maintain your tractor with utmost efficiency.



**This symbol is used to call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.**

Assembled in this manual are operation, lubrication and maintenance instructions for the International 4386, 4586 and 4786 Articulated Tractors. 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.

For prompt, efficient service, always specify the tractor model and serial numbers, including prefix and suffix letters. Write these serial numbers in the spaces provided under "Serial Numbers".

The International 4386, 4586 and 4786 four-wheel drive tractors are designed to distribute the tractor weight on the four driving wheels during operation, and thus provide better floatation and less soil compaction. Also, the four driving wheels, with proper load distribution, will enable the tractor to achieve higher drawbar pull and draw bar power than a two-wheel drive tractor with equivalent power.

To achieve the most efficient operation of these four-wheel drive tractors, nearly equal weight and traction should be maintained between the front and rear wheels. Implement loads transfer weight from the front to the rear wheels. Excessive weight transfer, particularly with hitch mounted implements, can upset this equal weight distribution. When weight transfer is excessive, the rear axle can transmit full engine power which would result in damage to the axle.

To avoid this possibility, gauge wheels should be used on heavy tillage equipment and the tractor should not be operated at gear settings below third gear for continuous operation. If continuous operation cannot be maintained in third gear or above, the implement load should be reduced by operating at a shallower depth or by reducing implement width. The three-point hitch control valve should be positioned in the "Float" settings whenever possible for heavy tillage.

Your local International Harvester dealer is interested in the performance you receive from these tractors. He has factory-trained servicemen, informed in the latest method of servicing tractors, 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.



Universal symbols are used to pictorially identify various tractor instruments and controls. Throughout this manual, an identifying symbol is placed by the instructions like this example for engine coolant temperature. The waves signify water or coolant and the thermometer indicates temperature. Regardless of the language used in a nation, and without translation, this symbol means water or coolant temperature.

Optional equipment and accessories are available. Disregard the instructions for equipment not on your tractor.

### METRIC (SI) MEASUREMENTS

A standard of metric 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 parenthesis)

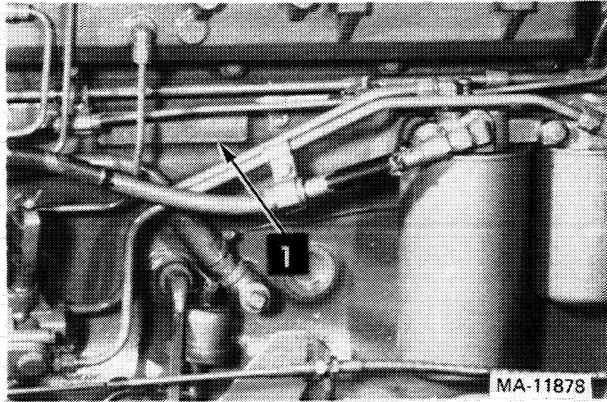
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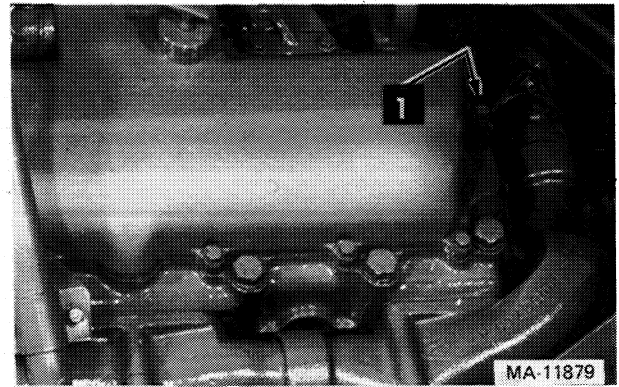
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# SERIAL NUMBERS



1 - Diesel engine serial number

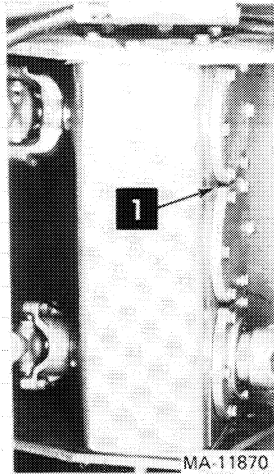
DTI-466 \_\_\_\_\_



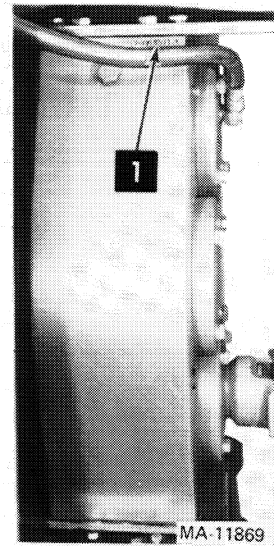
1 - Diesel engine serial number

V-800 \_\_\_\_\_

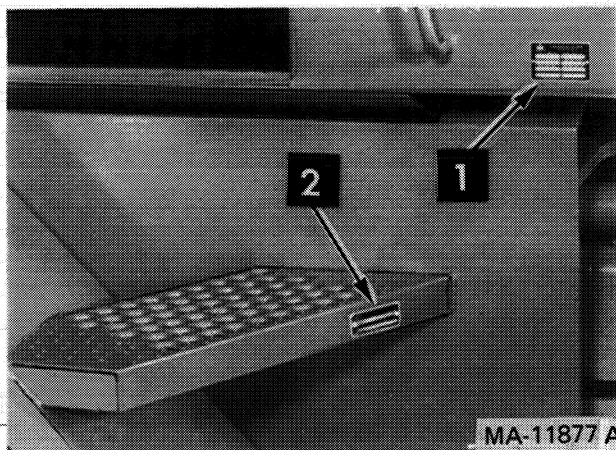
The engine serial number is stamped on pad located on crankcase "V" rear and also on the left side valve cover.



1 - 4386 Tractor transfer case serial number



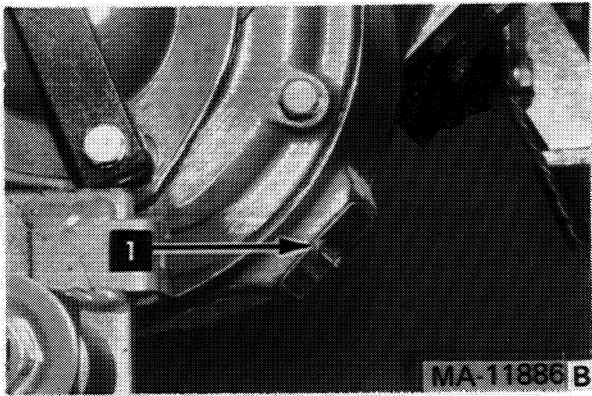
1 - 4586 and 4786 Tractor transfer case serial number



1 - Cab model and serial number

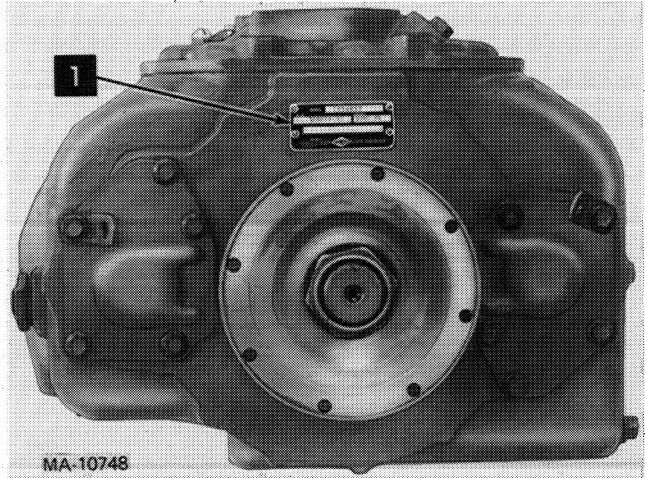
2 - Tractor serial number

## SERIAL NUMBERS



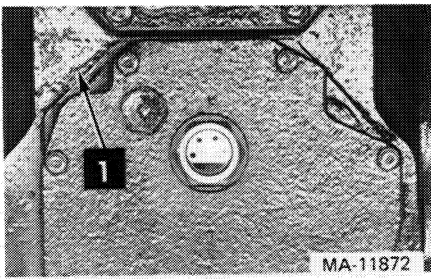
1 - 4386 Tractor transmission serial number

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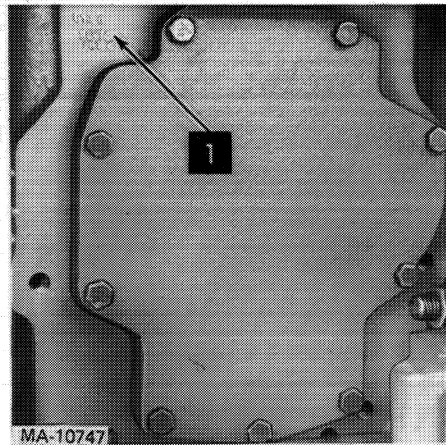
1 - 4586 and 4786 Tractor speed transmission serial number

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1 - Front axle serial number

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1 - Rear axle serial number

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

Terms of location for 4386 tractor.



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

Terms of location for (4586 Tractor shown, 4786 similar)



# WORK SAFELY – FOLLOW THESE RULES



This symbol is used to call your attention to instructions concerning your personal safety. Be sure to observe and follow these instructions.

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT



**Before handling ANY equipment, READ the OPERATORS MANUAL.**

**MA-16875**

## SERVICING AND BEFORE STARTING

Carefully supervise inexperienced operators.

When fueling a tractor, keep any type of open flame away. Do not smoke. Stop the engine.

Check coolant and engine oil levels, and perform any other necessary services, before starting the engine.



**CAUTION!** Never enter hinge or pivot area of tractor without using lock pin. Refer to "Operating the Tractor" for instructions.



When it becomes necessary to remove the radiator cap, proceed as follows: Turn the radiator cap slowly counter clockwise to the pressure release point to allow the pressure or any steam to escape; then press down on the cap and continue to turn until the cap is free to be removed.

Check the brake and clutch pedals for correct adjustment.

Reduce tipping hazards by spreading wheels as far as your work program permits.

Be sure muffler or exhaust pipe are in place so exhaust gases are discharged above the cab.

Always keep the operators compartment clean. Keep dirt, trash, and grease from the pedals, steps, mounting handles, steering wheel, and controls.

Always carry a "Charged" fire extinguisher and a first aid kit.

Avoid loose-fitting clothing, which could catch on moving parts.

Mounting assist handles and steps are provided for your safety. Use them when getting on or off the tractor.

## STARTING

Know the controls and what they do. Be in the operator's seat and fasten the seat belt. Place all controls in neutral and set the park brake before starting the engine.

Make sure that the helpers or observers stand clear of the equipment.

Make sure the area is well ventilated.

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