686 and Hydro 86 Tractors

Operators Manual

1096206R4

Reprinted





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.

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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.

A

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 686 and Hydro 86 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".

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 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 is 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 parentheses.)



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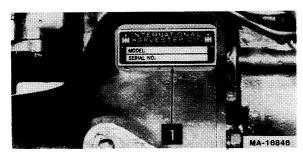
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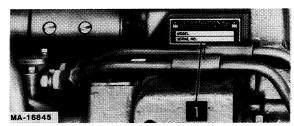
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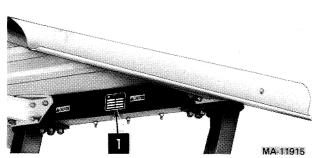
SERIAL NUMBERS



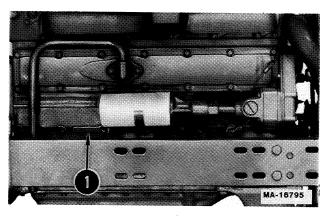
1 - 686 Tractor serial number



1 - Hydro 86 Tractor serial number

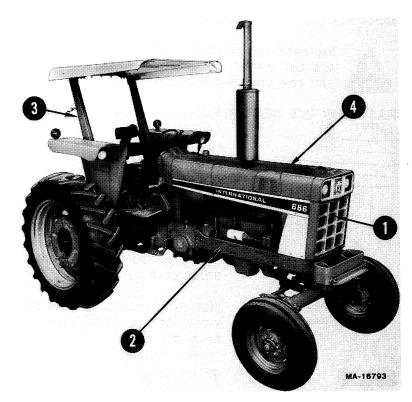


1 - Rops model and serial number (inside frame crossbar)



1 - Diesel engine serial number

D-310



1-Front

2-Right

3-Rear

4-Left

Terms of location 686 Tractor Hydro 86 Tractor is similar



5

WORK SAFELY — FOLLOW THESE RULES



Instructions given with this symbol are for personal safety. Be sure you and your workers follow them.

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.

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

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 brakes and clutch (Gear Drive), foot-n-inch pedal (Hydrostatic Drive) for correct operation.

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

Be sure muffler and exhaust pipe are in place so exhaust gases are discharged above the operator. Always keep the operator's 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 the transmission and all other controls in neutral before starting the engine.

Be sure power take-off lever is in the "OFF" or disengaged position before starting the engine. Make sure that the helpers or observers stand clear of the equipment.

Make sure the area is well ventilated.

DURING OPERATION

Carefully supervise inexperienced operators.

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 small piece of cardboard or wood. Never use hands.



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