


# **806 Farmall Tractor**

## **Operators Manual**

**1082602R2**

**Reprinted**




***CASE III***

	<p><i>THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.</i></p> <p>M171B</p>
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If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation which if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates a potentially hazardous situation which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as   and  if used, are RED.



# WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Case Corporation instructions on machine operation and maintenance.

# To The Owner

Assembled in this manual are operation, lubrication, and maintenance instructions for the Farmall and International 806 Gasoline, LP Gas, and Diesel Tractors, including the Hi-Clear and All-Wheel Drive models. 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.

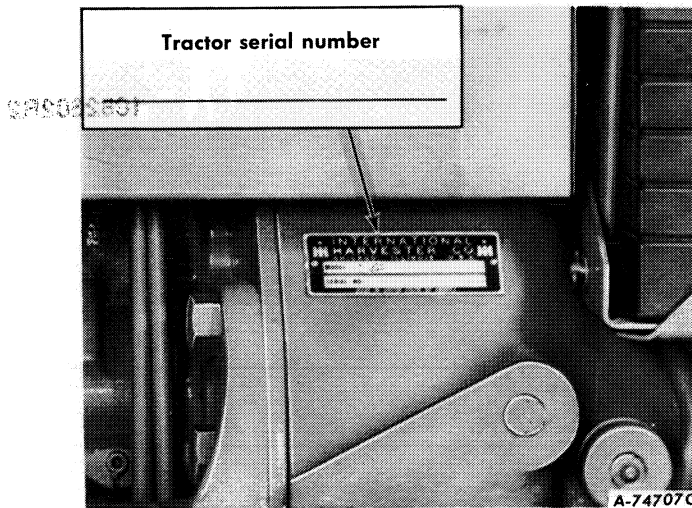
Your local International Harvester dealer is interested in the performance you receive from this tractor. He has factory-trained

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.

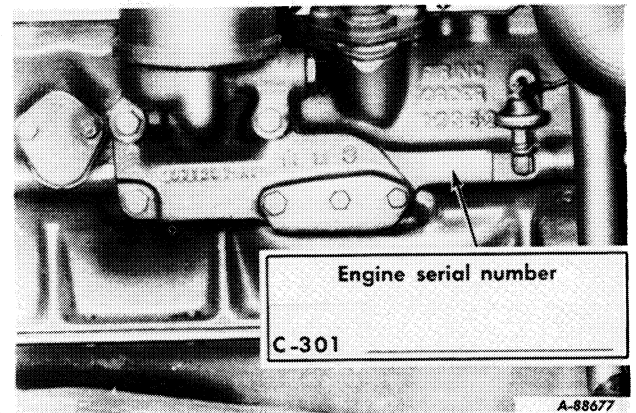
To obtain top performance and assure economical operation, the tractor should be inspected, depending on its use, periodically, or at least once a year, by your International Harvester dealer.

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.

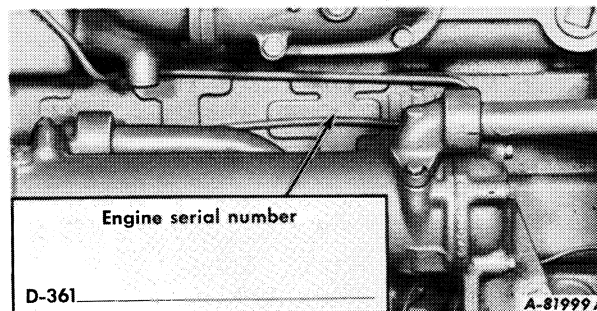
When in need of parts, always specify the tractor and engine serial numbers, including prefix and suffix letters. Write these serial numbers in the spaces provided below.



Location of the tractor serial number.



Location of gasoline or LP Gas engine serial number.

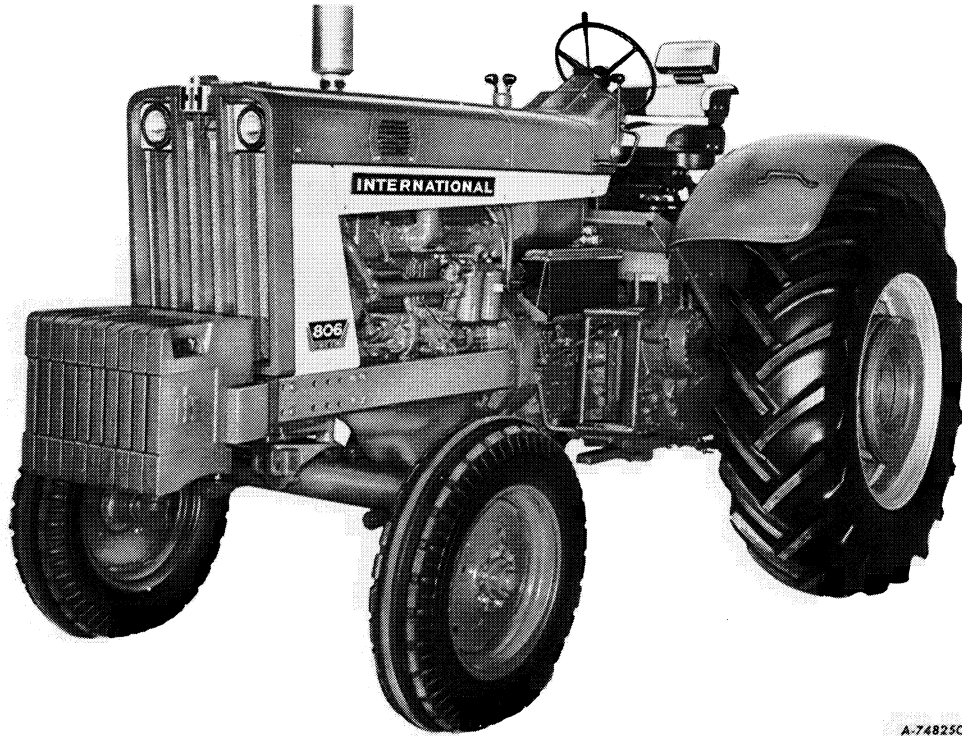


Location of diesel engine serial number.

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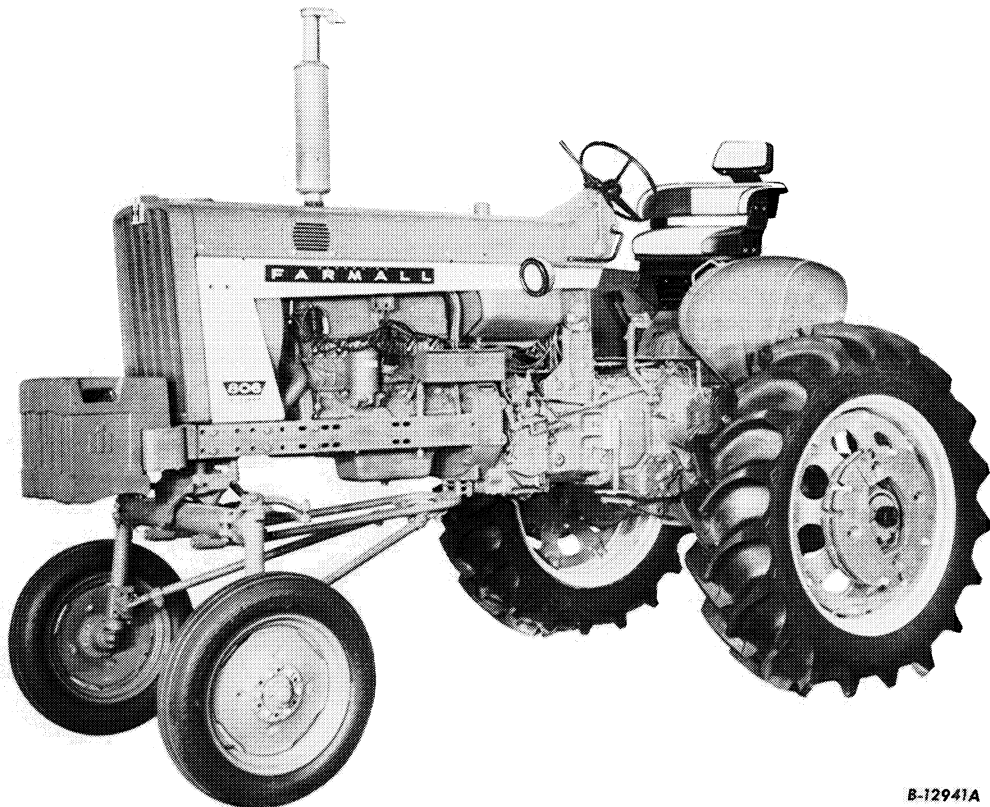
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# INTRODUCTION



A-74825C

**International 806 Diesel Tractor**



B-12941A

**Farmall 806 Hi-Clear Tractor**

## INTRODUCTION



International 806 All-Wheel Drive Tractor

LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the driver's seat. See **Illust. 2**.

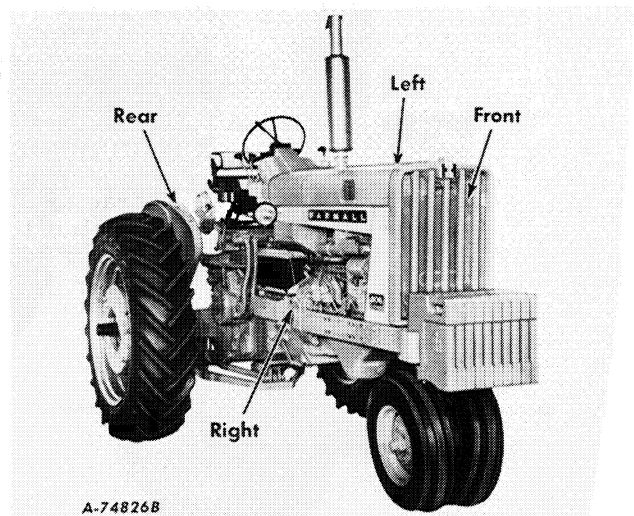
Front and rear end weights are required to provide safe and efficient operation with various equipment under different conditions. For maximum recommended weight addition information refer to "WEIGHTS" section in this manual.

In order to provide a tractor equipped as nearly as possible to suit each customer's needs, a variety of extra equipment and accessories is available.

Where operating and maintaining instruction on these items is required, it is included in the instructions for operating or maintaining the tractor. Disregard the instructions for equipment not on your tractor.

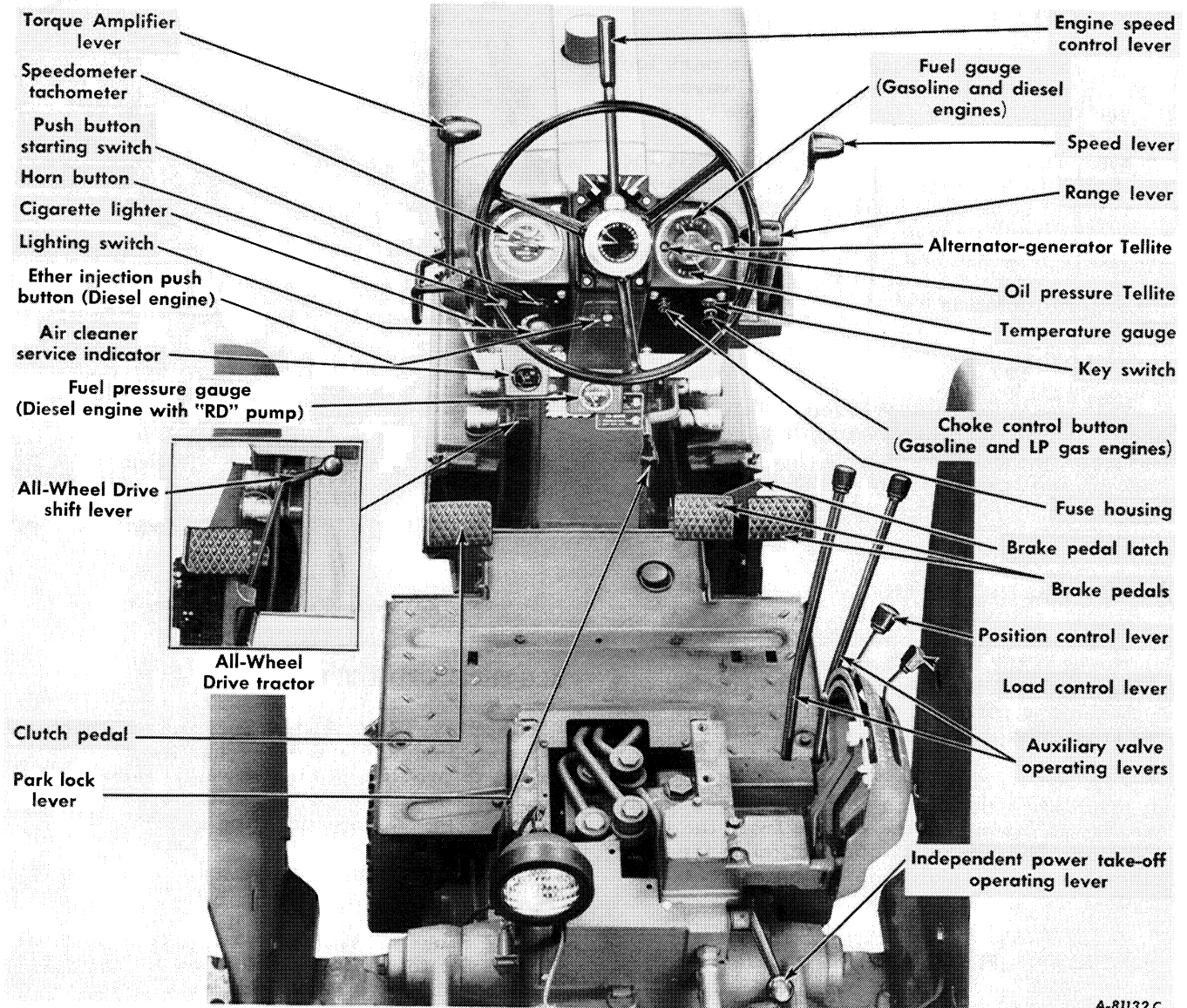
The illustrations in this manual are numbered to correspond with the pages on which they appear; for example, **Illusts 8 and 8A** are on **page 8**.

**Note:** Reference made to alternator-generator will also apply to those tractors equipped with a generator unless otherwise indicated.



**Illust. 2**  
Terms of location

# INSTRUMENTS AND CONTROLS



A-81132 C

Illust. 3  
Location of instruments and controls on the gasoline and diesel engine.  
(For additional instruments and controls for LP Gas tractors, see Illust. 7).

## BRAKE PEDALS

These pedals are used to stop the tractor or to assist in making sharp turns as outlined below.

The brake pedal latch (Illusts. 3 and 26) is used to latch both brake pedals together, causing the brakes to operate simultaneously.

To stop the tractor, depress both pedals at the same time.

To assist in making a sharp turn, operate the pedals individually, depressing the pedal on the side toward which the turn is to be made.

**Caution!** Always latch the brake pedals together before driving the tractor in high range (third or fourth speeds). To latch the pedals together, engage the latch in back of the left pedal (Illust. 26) into the slot in back of the right pedal. When the brake pedals are not latched together, the latch should rest in the slot in back of the left brake pedal.

## PARK LOCK LEVER

The park lock lever is used to lock the transmission, after the tractor is stopped. This prevents the tractor from moving.

## INSTRUMENTS AND CONTROLS

### PARK LOCK LEVER - Continued

The park lock is engaged when the park lock lever is moved all the way down. Always engage the park lock when leaving the tractor.

**Note:** Do not engage the park lock while the tractor is in motion. The transmission range lever must be in the neutral position before the park lock can be engaged. The park lock must be released by moving the lever up before the transmission range lever can be shifted from the neutral position.

### CLUTCH PEDAL

This pedal, when depressed, disengages the engine from the transmission. Approximately the last one-half inch of pedal movement also engages the transmission brake. It is not necessary to depress the pedal all the way to shift gears.

### SAFETY STARTING SWITCH

The safety starting switch located under the platform at the left side of the tractor, serves to prevent accidentally moving the tractor with the cranking motor or starting the engine when the tractor is in gear.

The switch moves to the closed contact position when the clutch pedal is depressed all the way to disengage the engine from the transmission. This permits completion of the circuit to the cranking motor for starting the engine.

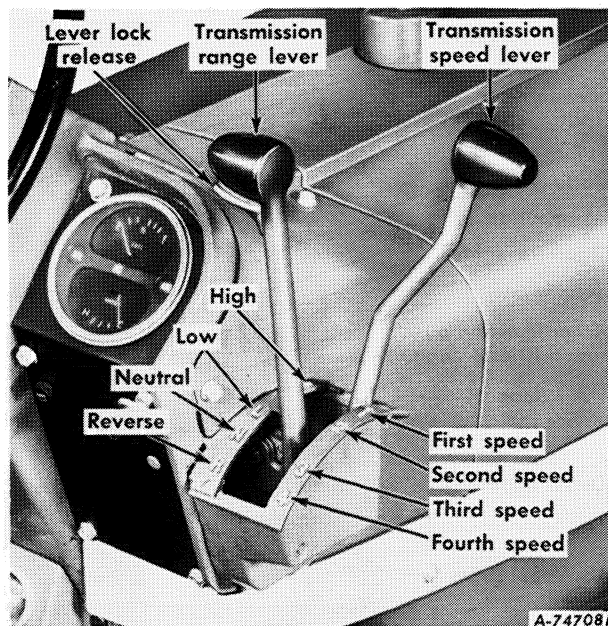
### TORQUE AMPLIFIER OPERATING LEVER

This lever located at the left of the instrument panel, is used to select either direct drive or a reduced speed in each transmission gear on tractors equipped with the power shift torque amplifier. See pages 26 and 27 for operating instructions.

### TRANSMISSION RANGE AND SPEED LEVERS

These levers (Illustr. 4) are used to select any one of the eight forward speeds and four reverse speeds. Four forward speeds are available in the High (H) range and four in the Low (L) range. See "Ground Speeds" tables on page 135.

The range lever also has a neutral position and has a built in lock mechanism. Squeeze the lever lock release into the handle of the lever when shifting from neutral to low (L) or reverse (R). The lever can be moved from high (H) to low (L) or vice versa without squeezing the lock release.



Illustr. 4  
Transmission Range and Speed Levers.

### ALL-WHEEL DRIVE SHIFT LEVER

This lever (on "ALL Wheel Drive" tractors) is used to engage and disengage the all wheel drive, to provide driving power from both the front and rear wheels or from the rear wheels only. See page 25 for operating instructions.

### CHOKE CONTROL BUTTON (Gasoline and LP Gas Engines)

The choke control wire and button makes it possible to regulate the carburetor choke from the driver's seat. Pulling out on the choke control button closes the carburetor choke for starting the engine; pushing it in opens the choke.

### ENGINE SPEED CONTROL LEVER

This lever controls the speed of the engine and, when set in a given position, will maintain a uniform engine speed even though the engine load may vary.

When the lever is set at the extreme left indicator point on gasoline or LP Gas engines; or at the stop pin on diesel engine the engine speed is fully retarded. When the lever is at the extreme right indicator point the engine speed is fully advanced.

On tractors with diesel engines, the engine speed control lever is also used to shut off the diesel fuel. When stopping the diesel engine, lift the lever up and over the stop pin and move it all the way to the extreme left indicator point.



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