

450 Tractor

Operators Manual

1014017R1





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

The purpose of this manual is to assist you in realizing the benefits you anticipated when you purchased this International Harvester product. Literally thousands of people have contributed to the design and production of this product and its delivery to you. They have an interest in its successful performance and have provided this manual to give you the benefit of the experience they have gained through years of field testing and normal usage of this and similar products.

The way you operate and the care you give this product will have much to do with its successful performance. This manual has been carefully prepared and the information arranged and illustrated to make it as easy as possible for you to find the information you wish. It will pay you to read the entire manual carefully before operating and keep it handy for future reference. Your International Harvester Dealer will be glad to answer any further questions you may have on the operation or care of this product.

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, McCormick-International, McCormick-Deering, or McCormick-Deering International trade name.

As a member of the National Safety Council, we are privileged to use the Green Cross for Safety to designate not only our interest in Safety, but to point out more clearly the safety precautions in this manual.

Parts Depots are strategically located at 12 points and Transfer Houses at 8 points in the United States. Ample stocks are maintained at all times to assure prompt shipment to your IH dealer to meet your requirements.

Parts Depots in the United States

Albany 4, N. Y.	Broadview, Ill.	Denver 17, Colo.	Portland 8, Oreg.
{ Atlanta, Ga.	Columbus 4, Ohio	Kansas City 15, Kans.	Richmond 4, Calif.
(East Point, Ga.)	Dallas 2, Tex.	Memphis 6, Tenn.	St. Paul 4, Minn.
Baltimore 3, Md.			

Transfer Houses in the United States

Broadview, Ill.	Kansas City 15, Kans.	Memphis 6, Tenn.	St. Paul 14, Minn.
Council Bluffs, Iowa	Linden, N. J.	Moline, Ill.	Topeka, Kans.

District Offices in Canada

Calgary, Alta.	Montreal 14, Que.	Regina, Sask.	Vancouver 4, B. C.
Edmonton, Alta.	Ottawa 1, Ont.	Saint John, N. B.	Winnipeg 10, Man.
Hamilton, Ont.	Quebec 8, Que.	Saskatoon, Sask.	Yorkton, Sask.
London, Ont.			

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International Harvester Sales and Service is maintained in all principal countries of the world.

Export address: International Harvester Export Company, Chicago 1, Illinois, U. S. A.

Canadian address: International Harvester Company of Canada, Ltd., Hamilton, Ont., Canada

**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.

FREE GASOLINE CAP — See your dealer today.

International Harvester has developed a new gasoline cap designed to improve vapor venting and to inhibit the sudden eruption of liquid fuel if the safety precautions against cap removal are not observed.

New caps will be exchanged **free of charge** with owners of certain models of International Harvester farm tractors. To see whether your tractor already has the new cap or to arrange to obtain one, simply contact your local International Harvester dealer. Also ask him for a free International Harvester brochure "New Facts About Fuels" and for free "Warning" decals for all gasoline equipment.

NOTE: New cap **will not** fit on any of these tractors.

Gasoline Tractor Models Included in Cap Exchange Program (See Note)			
A	100	*504	2404
AV	130	F-544 Only	2424
B	140	560	2444
BN	200	600	2504
C	230	*606	2544
H	240	650	*2606
HV	300	F-656 Only	2706
M	330	660	2756
MV	340	666	2806
O	350	686	2826
OS	400	706	2856
W	404	756	
WR	424	766	
70	444	806	
86	450	826	
	460	856	

B-275	I-434
B-276	I-544
I -284	I-656
I -354	I-2656
B-414	

* New cap **will not** fit on these tractors above serial numbers shown.

F-504 above serial No. 13400
I -504 above serial No. 14272
I -606 above serial No. 6879
I -2606 above serial No. 6879

New cap **will not** fit on any lawn and garden tractor in the Cadet model series or on any tractor with the gasoline tank behind the operator's seat.

Supplement to Operator's Manual



Liquefied Petroleum Gas Fuel System

for

**McCORMICK[®]
FARMALL[®]
450 LP Gas**

and

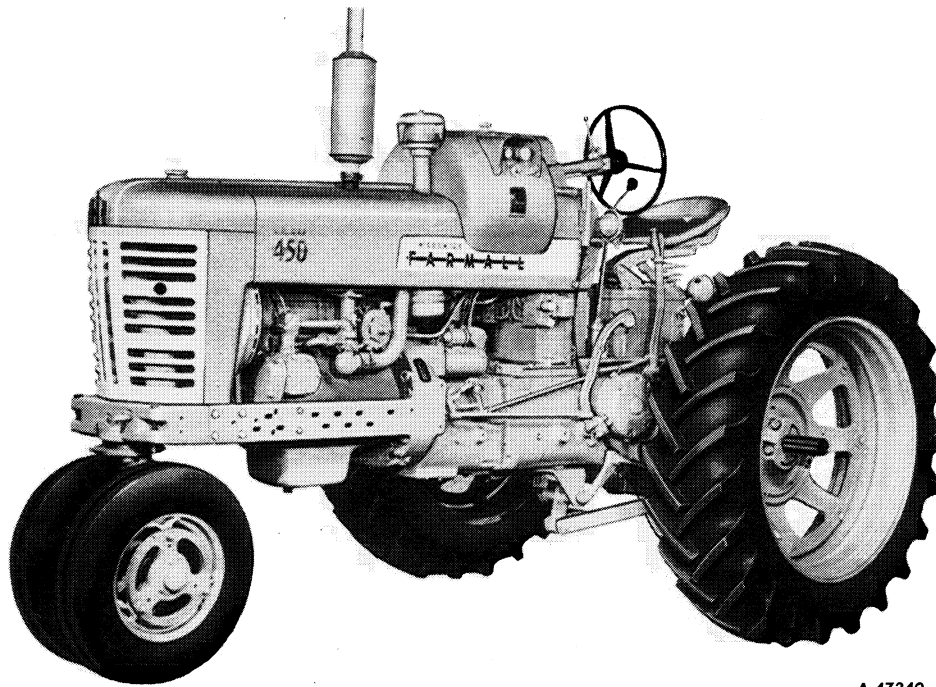
**INTERNATIONAL[®]
W-450 LP Gas
Tractors**

This supplement contains operating, adjusting, and safety precaution instructions for tractors equipped with liquefied petroleum gas fuel systems.

INTERNATIONAL HARVESTER COMPANY

180 North Michigan Ave.

Chicago 1, Illinois, U.S.A.



A-47340

Illust. 1
Farmall 450 LP gas tractor.

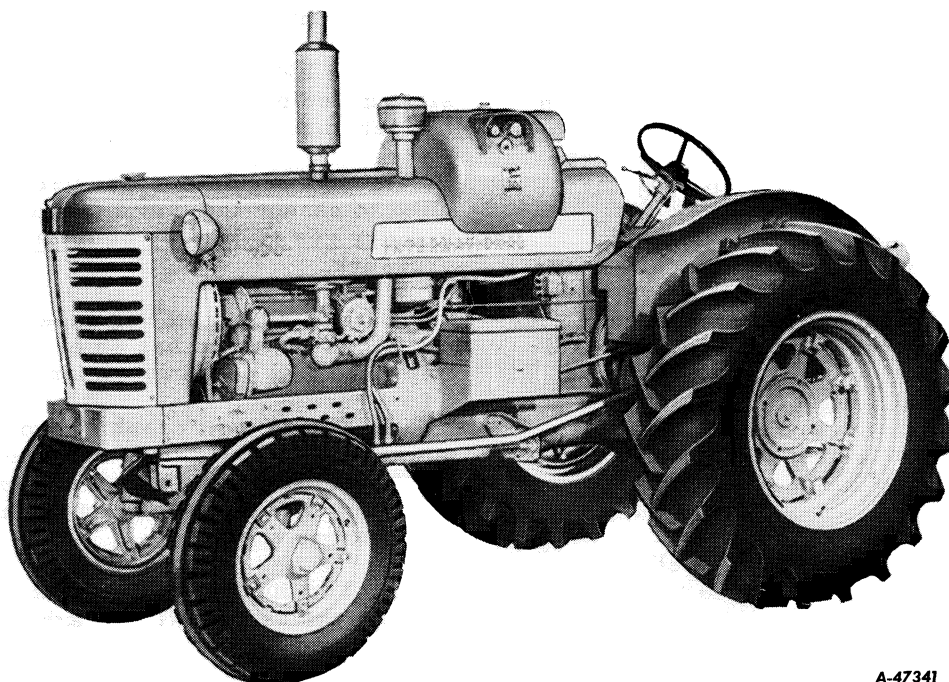
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A-47341

Illustr. 2
International W-450 LP gas tractor.

GENERAL INFORMATION

Liquefied petroleum gas is not unduly hazardous but its characteristics being somewhat different than more commonplace fuels such as gasoline or natural gas, require that a somewhat different method of handling and care be taken to insure against accidents. Under normal temperature range the gas in the tank will be under pressures of from a few pounds up to 250 pounds. The pressure in the LP gas tank is determined by the temperature of the liquid and the type of liquid--propane, butane, or a mixture of the two. As an example, normal butane boils at +31°F. and propane boils at -44°F. Mixtures of the two gases have boiling points between these values. As the temperature of the tank and the contents are raised in temperature, the pressure in the tank also increases. Both propane and butane are heavier than air and will tend to settle in a low quiet spot if they should leak out of the tanks. Care should be taken to see that these spots are ventilated thoroughly, if the unit is used near such a location, before any spark or flame is produced.



The safety relief valve protects the tank and starts to open at 312 pounds per square inch and allows excess vapor to escape.



If a tank is subjected to fire, and the tank pressure rises above approximately 312 pounds per square inch, the relief valve opens, allowing the high pressure fuel to escape and burn. The fuel burns very fiercely as a torch, but since no air can enter the tank there is no explosion. Nevertheless, one should not smoke or light a match around a butane-propane tank that is being filled, any more than doing so while filling a gasoline tank. Safety precautions in the handling of any volatile fuel cannot be over emphasized. Complete instructions for handling this type of fuel should be obtained from the dealer distributing the fuel in your community.

The liquid and vapor service valves on this tank are fitted with automatic excess flow check valves which close instantly whenever the flow exceeds the normal amount used to operate the tractor. If a fuel line should be accidentally broken or a valve torn off of the tank, the check valves which are located on the valve, ahead of the pipe thread on the valve, will close and stop the flow of gas, except for a small amount which is bypassed for valve relief purposes.

See Reference 3 on page 9.



NOTE: Never remove a valve assembly from the fuel tank without first emptying the tank.



Our support email:

ebooklibonline@outlook.com