



**International
Harvester
Operator's Manual
T-340 A Series
Crawler**

Operator's Manual

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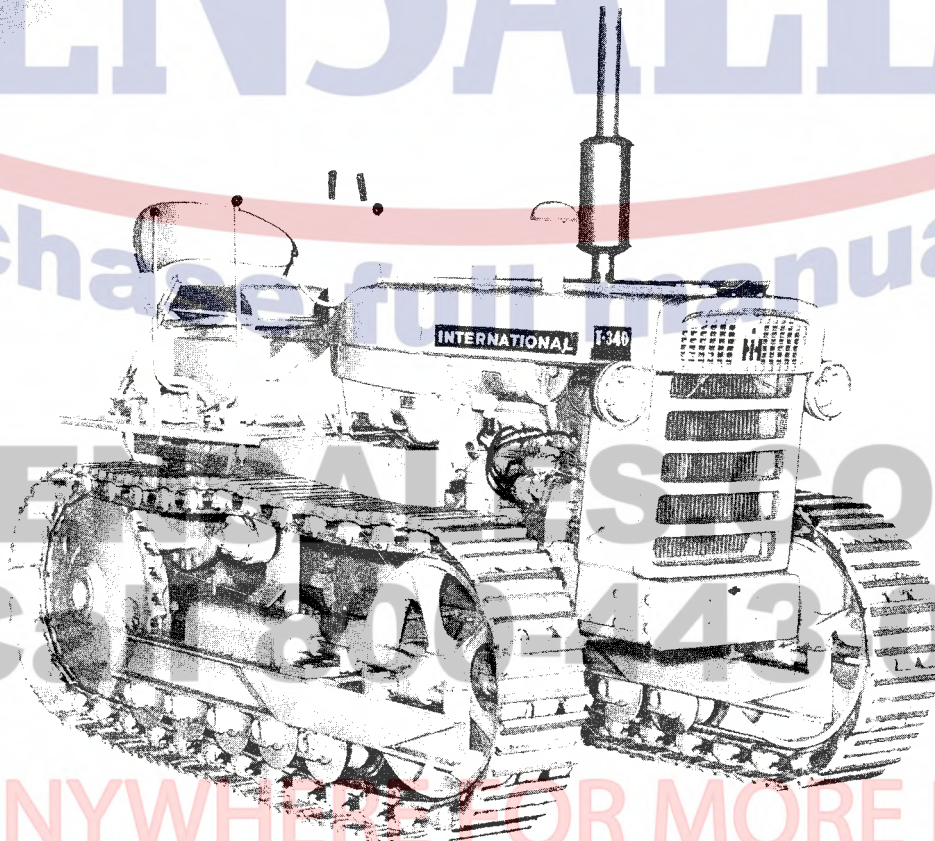
OPERATOR'S MANUAL

INTERNATIONAL

T-340 ("A" Series)

Crawler Tractor

**OPERATION
MAINTENANCE
LUBRICATION**



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TO THE OWNER

We are glad to welcome you as an owner of a product of International Harvester Company. You have a fine product, designed and built to give you many years of efficient operation. The way you operate and the care you give this product will have much to do with its successful performance.

To help you operate your equipment with utmost efficiency we have provided this operator's manual. It has been carefully prepared to give you the benefit of many years of experience gained in field testing and normal usage of this and similar products.

We urge you to study this manual so you will understand your new equipment thoroughly before operating it. We also urge you to take care of your manual so you will have it available for reference when you need it.

If your manual is lost or destroyed, a new copy may be ordered from the International Harvester dealer at a nominal price. Your International Harvester dealer will also be glad to answer any 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, or McCormick-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 4 points in the United States. Ample stocks are maintained at all times to assure prompt shipment to your IH dealer to meet your requirements.

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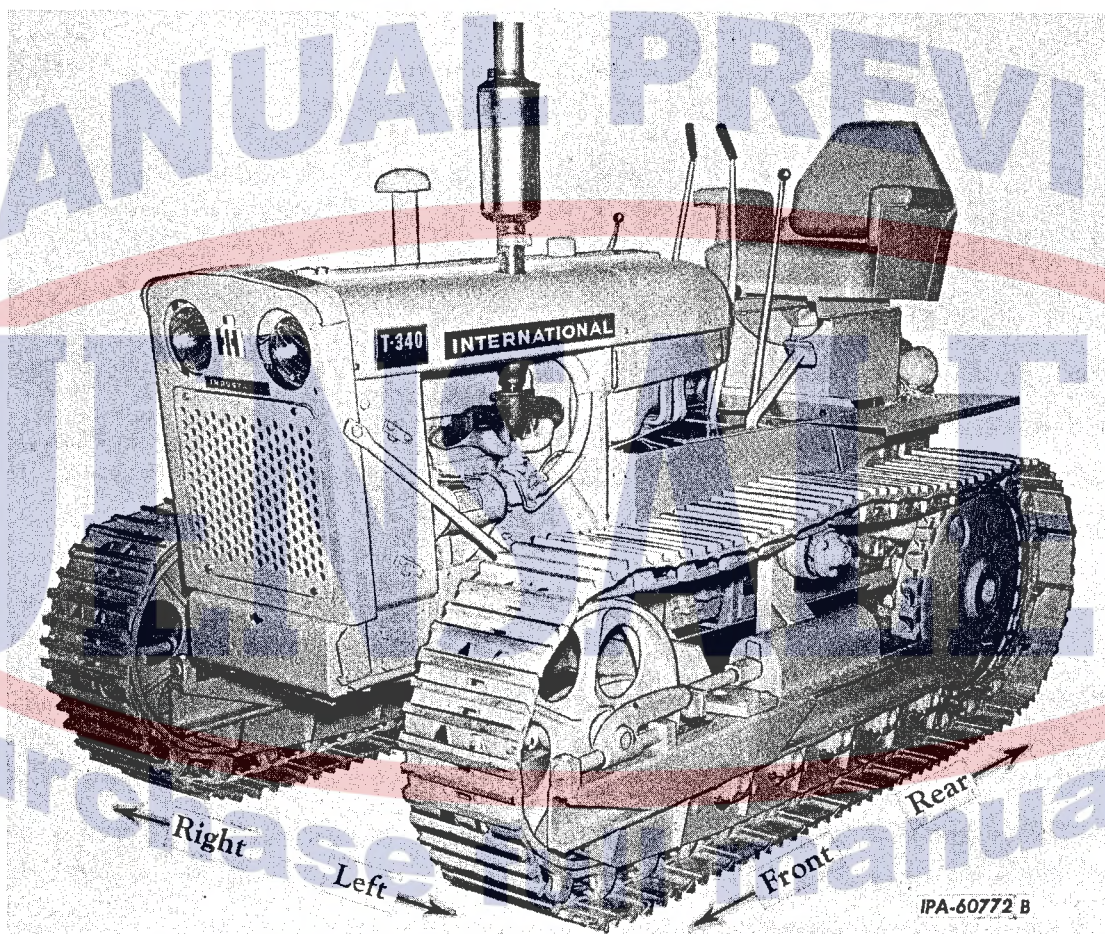
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INTRODUCTION

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Illust. 1

Left front view of the T-340 ("A" series) crawler tractor equipped with forward and reverse drive, transmission mounted pump, exhaust muffler, deluxe seat, electric lighting, crankcase guard, radiator guard, overlapping flat low grouser track shoes and track roller shield attachments.

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INTRODUCTION

This tractor is a full track-laying type tractor. Engine power is supplied by a carbureted, four-cylinder in line engine.

Tools shipped with the tractor are wrapped in waterproof paper and packed with the machine.

Instructions on operation, lubrication and maintenance for the basic tractor and attachments are covered in this manual. Disregard any instructions that are not applicable to your tractor.

Throughout this manual the use of the terms "left" and "right" and "front", and "rear" must be understood to avoid confusion when following instructions. (Refer to Illust. 1.)

When in need of parts, always specify the tractor and engine serial numbers. Refer to Illust. 2 and 3. Write these serial numbers in the spaces provided.

Engine Serial No. C-135 _____

Tractor Serial No. T-340 A- _____

SHIPPING INSTRUCTIONS

Truck

When shipping a tractor by truck, the state and local regulations may vary. Contact the state and/or local authorities for the proper shipping and loading regulations.

Railroad Flat Car

The loading rules and specifications published by the Association of American Railroads must be followed when shipping this unit on open top railroad cars. Check the manual entitled "Rules Governing the Loading of Commodities on Open Top Cars" at the nearest Railroad Freight Agency. Specific instructions covering this unit can be found in Section 3, "Loading of Road Grading, Road Making, and Farm Equipment Machinery on Open Top Cars."

Moving a Disabled Tractor

NOTE: If the power train or the tracks are damaged, DO NOT tow the tractor. The tractor must be transported on another vehicle to avoid further damage.

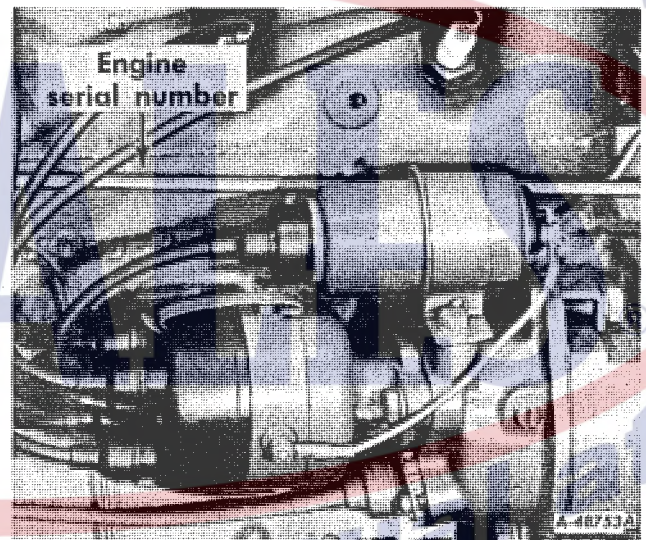
If the power train or the tracks are not damaged, tow the tractor as outlined below;

1. Place the transmission gear shift lever (or the forward and reverse gear shift lever - if so equipped) in "neutral."

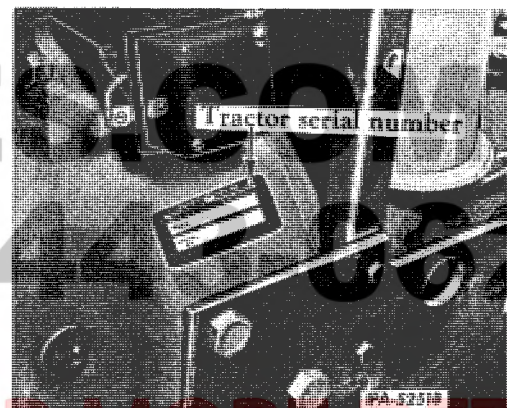
2. If equipped with a torque amplifier, be sure the torque amplifier is disengaged.

3. Be sure that the brake pedal lock is released.

4. Use a towing cable of sufficient strength to pull the tractor.



Illust. 2
Engine serial numbers



Illust. 3
Tractor serial number

MAINTENANCE

Engine overheating and loss of coolant is sometimes due to an inoperative thermostat. When this condition exists, remove and check the thermostat. Refer to "Removing, Checking and Installing the Thermostat" on this page.

Removing, Checking and Installing the Thermostat

1. Drain the coolant from the cooling system.
2. Remove the hood.
3. Loosen the radiator inlet hose clamps and remove the hose.
4. Remove the thermostat retainer ring in the thermostat housing.
5. Remove the thermostat. If the thermostat is scaly or rusty, replace it. Check the thermostat for correct operation. This can be done by submerging the thermostat and a thermometer in water and heating the water. (Refer to "NOTE" below.) Check the temperature of the water when the thermostat starts to open (approximately $+170^{\circ}\text{F}$) and the temperature of the water when it is fully open (approximately $+190^{\circ}\text{F}$).

NOTE: When placing the thermostat and the thermometer in the water, be sure they do not touch the side or bottom of the container at any time.

6. If the thermostat does not function as stated above, it must be replaced with a new one.
7. To install the thermostat, reverse this procedure.

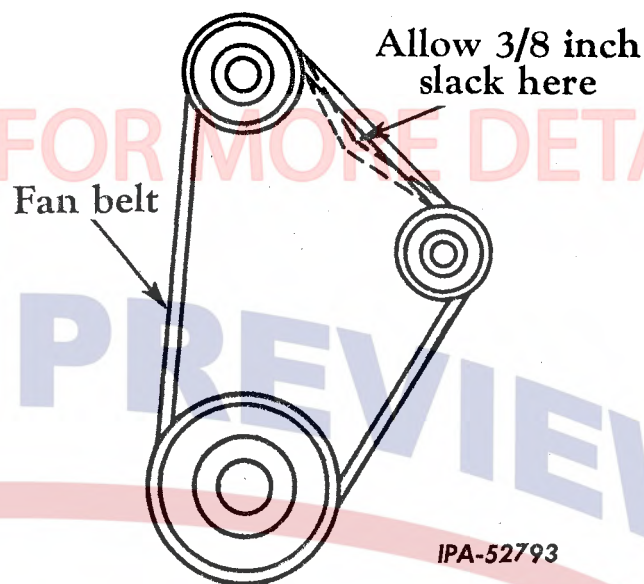
FAN BELT

Fan Belt Tension

The tension is correct when the belt can be depressed approximately $3/8$ inch midway between the fan and generator pulleys. Illust. 16. If the belt is too tight or too loose, adjust it.

Adjusting the Fan Belt

1. Loosen generator brace bolt (A) and mounting bolts (B) (Illust. 17).
2. Push the generator in to loosen the belt or pull it out to tighten the belt.



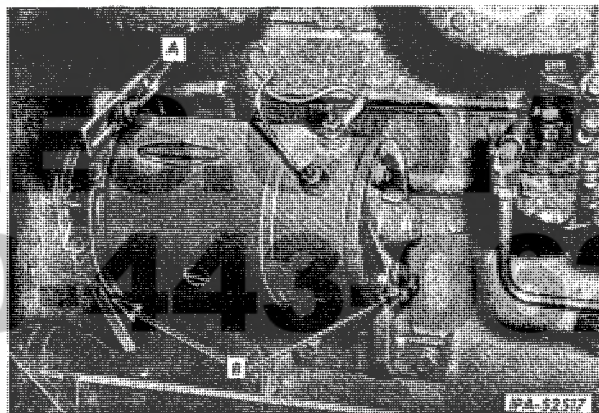
Illust. 16
Correct belt tension

3. After the correct tension is obtained (Illust. 17), tighten mounting bolts (B) and brace bolt (A).

NOTE: Under no circumstances should a pry bar be used on the generator to obtain fan belt tension as damage to the bearings will result.

Removing the Fan Belt

Replace the fan belt if it becomes soaked with grease, or when it is so badly worn that it does not drive the fan at the proper speed.



Illust. 17
Adjusting the fan belt

To remove the old belt, loosen generator brace bolt (A) and generator mounting bolts (B, Illust. 17). Move the generator in toward the engine and slip the old belt off the generator and crankshaft pulleys. Work the belt over the fan blades to remove it.

Installing the Fan Belt

To install a new belt, work the belt over the fan blades and over the top of the fan pulley. Slide the belt over the crankshaft pulley. Hold the generator in toward the engine if necessary and slide the belt over the generator pulley. Adjust the belt. (Refer to "Adjusting the Fan Belt" on page 28).

AIR CLEANER

The air cleaner is the "dry-type" with a replaceable filter element and an automatic dust unloader.

The air cleaner filter service indicator, on tractors so equipped, signals when element service is required.

On tractors not equipped with an air cleaner filter service indicator, the element must be serviced when power loss becomes apparent. A smoky exhaust may also be an indication of a dirty element.

Additional information and service procedures on these components can be found in the following text.

General Precautions

As an added precaution against dirt getting into the engine, frequently inspect the flexible rubber hose connections between the carburetor and the air cleaner. If they show any sign of deterioration, replace them.

To eliminate strain on the rubber hose connections, be sure that the pipes line up.

All the joints between the air cleaner, carburetor, intake manifold and the cylinders of the engine must be tight. All the gaskets must be in good condition and the bolts must be drawn up tight.

Never operate the engine unless the filter element is in place. The automatic dust unloader should also be in place as operation without it will lower dust capacity of the air cleaner.

Never attempt to remove the element from the air cleaner while the engine is running.



Illust. 18

Air cleaner filter service indicator.