


295 Loader

Operators Manual

9-1143

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>

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 an potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates an 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 PURCHASER OF THE CASE LOADER

The care you give your new Case Loader will greatly determine the satisfaction and service life you will obtain from it. Use this manual as your guide. By observing the instructions and suggestions in this manual, your Case Loader will serve you well for many years.

As an Authorized Case Dealer, we stock Genuine Case Parts which are manufactured with the same precision and skill as the original equipment. Our factory-trained staff is kept fully informed on the most efficient methods of servicing Case equipment and is ready and able to assist you.

If you should require additional aid or information, contact us.

Your Authorized Case Dealer

To assure efficient and prompt service, please provide the Model Number of your CASE Loader in all correspondence or contacts.

INTRODUCTION

The CASE Model 295 Front End Loader has been designed for ease in operation, mounting, dismounting, and long life. The loader is designed for many general farm uses.

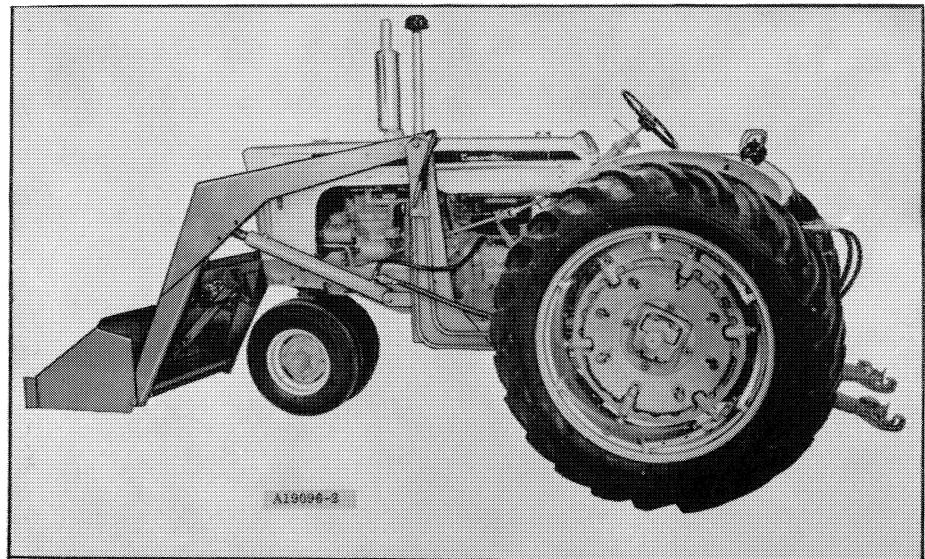
The loader is completely hydraulically controlled - both when raising the loader and in controlling the bucket. The rapid acting hydraulic lift rams provide fast loading with ample lift for most operations.

The loader will raise to approximately 108 inches and will operate to approximately 6 inches below the ground level in the regular setting. There are two additional settings that change the range of operation for added height or depth. The bucket can be dumped at any raising height desired.

The manure bucket is 40 inches wide and has a 10-1/2 cubic foot capacity.

The manure bucket is equipped with replaceable runner shoes to prevent unnecessary wear on the bucket. Heat-treated tines are secured to the manure bucket with a shear bolt which eliminates damage to the loader when striking a solid obstruction.

The loader is closely coupled to the tractor. Its design permits easy access to the tractor seat and will pass through any opening large enough for the tractor.



MODEL 295 LOADER EQUIPPED WITH DIRT BUCKET

One man can easily mount or dismount the basic loader from the tractor. The loader sub-frames can be left on the tractor. Simply remove the boom, bucket line assembly, and the hydraulic cylinders, thus releasing the tractor for other uses.

GENERAL SPECIFICATIONS

Lifting Height - Approximate.....	108 Inches
Breakaway Lift.....	3000 Pounds
Lifting Capacity at 60 Inches High.....	2400 Pounds
Hydraulic Lift Rams - Diameter.....	2-1/2 Inches
Bucket Ram - Diameter.....	2-1/2 Inches
Penetration Below Ground Level.....	*6 Inches
Weight.....	1209 Pounds

*Depending on tractor and tire size

TRACTOR REQUIREMENTS

General Purpose - 401, 411, 701B, 711B, 801B, 811B and 730-830 Series Tractors.

4 Wheel Standard - 400, 410, 700B, 710B, 800B, 810B and 730-830 Series Tractors before Serial No. 8253501

Western Special - 702B, 712B, 802B, 812B and 730-830 Series Tractors before Serial No. 8253501

All tractors must be equipped with Dual Valves for both Single and Double Acting Hydraulic Control.



MODEL 295 LOADER EQUIPPED WITH DIRT BUCKET

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This loader has been properly set up, inspected, and adjusted by your Dealer before delivery to you. However, it is well to check the entire loader to make certain that all the bolts are securely tightened, cotter pins properly installed and pressure fittings are in place. Check also for lubrication, being sure that the pressure fittings are not stuck or sealed with paint. Use a pointed object to make sure they are open.

This instruction manual should be carefully read to enable the operator to care for and properly operate this loader.

It is well to remember that all loaders carelessly operated or improperly adjusted and lubricated may not work as intended. Therefore, the operator will be responsible for the kind of work that the loader will accomplish.

LUBRICATION

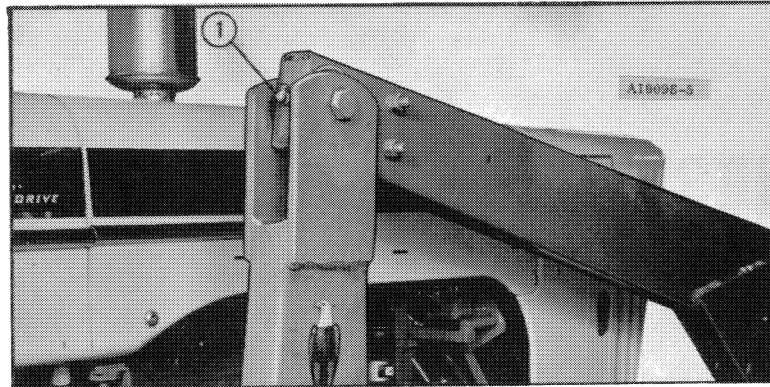


FIGURE 1.

1. Lubrication Fitting

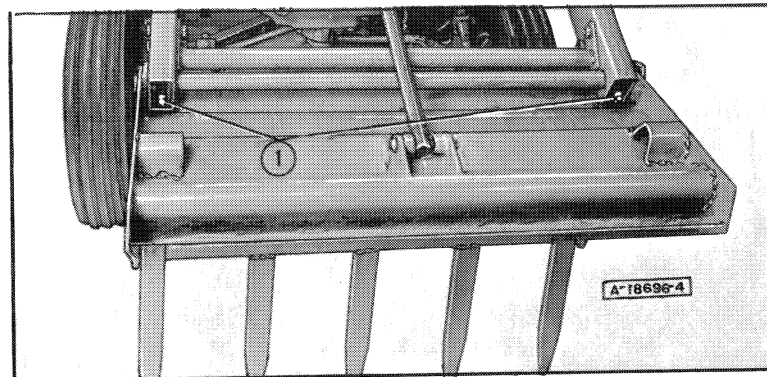


FIGURE 2.

1. Lubrication Fitting

Careful and regular attention to the lubrication will greatly increase the life of the loader. For economical and efficient operation, the proper lubrication of the boom is essential.

Be sure the pressure fittings are clean of dirt or paint before using the pressure gun. Replace missing or damaged fittings. Use a good grade of non-fluid pressure gun grease.

Lubricate the pressure fittings shown in Figure 1 and 2 after every 25 hours of normal operation. Figure 2 shows the right-hand rear boom fitting; also lubricate the left-hand rear boom fitting.

CAUTION: Always keep the cylinders in a collapsed position when the loader is not being used to guard against rust and rod contamination which will damage the hydraulic system.

After the cylinders have been installed and connected into the tractor hydraulic system, make sure the cylinder rods are completely collapsed. Then check and fill the tractor hydraulic oil reservoir to the recommended oil level. Refer to your tractor operator's manual to ascertain the proper hydraulic oil to use and the correct oil level. Check the oil level daily.

BLEEDING THE HYDRAULIC SYSTEM

Before operating the loader, it is necessary to make sure all the air is out of the hydraulic system. This is accomplished as follows:

1. With the boom in the lowered position, check the oil reservoir to make sure the oil is up to the correct level. If not, add oil.
2. Raise the boom approximately 4 feet and activate the bucket cylinder two or three cycles.
3. Add oil to the reservoir to bring the oil to the correct level.
4. Raise the boom all the way to the top. Keep the engine running at 1/2 throttle, and hold the hydraulic control lever back until pressure is built up in the hydraulic lines (approximately 10 seconds).
5. With pressure built up in the lines, bleed the cylinders of air by loosening the front plugs on the cylinders until the air has been expelled. Figure 3.

IMPORTANT: DO NOT REMOVE THE PLUG. It is only necessary to loosen the plug one of two turns to allow the air to escape. If the plug is removed, the oil pressure will drop sharply, and the loader will drop to the ground immediately, causing possible damage to the loader or to personnel.

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