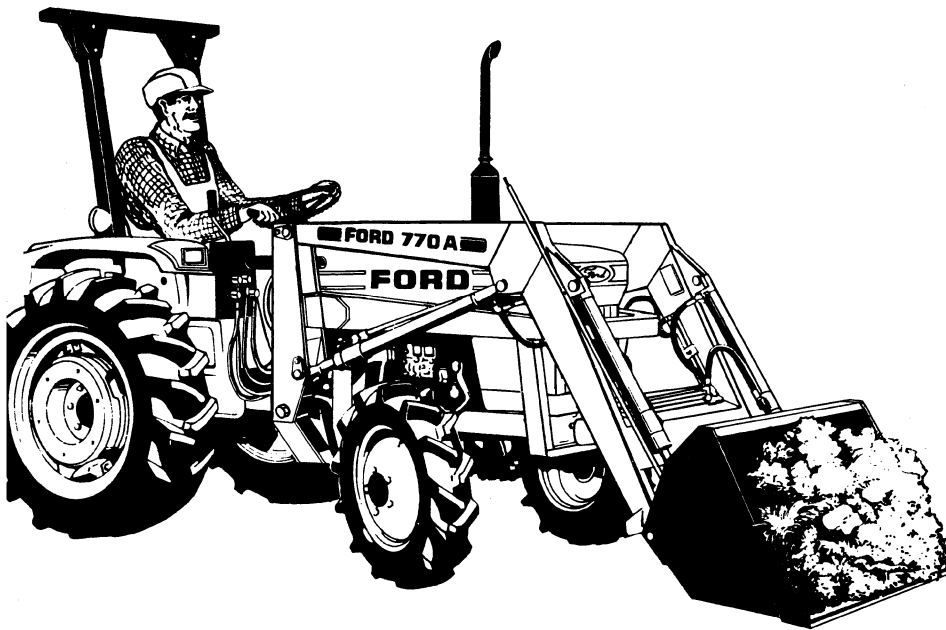


FORD **Series 770A** **Loader**



OPERATOR'S MANUAL

42077012

Reprinted

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INTRODUCTION

This manual provides operation, maintenance, assembly and parts identification for your new loader.

The Ford 770A Loader is designed for use on Ford 1310, 1510, 1710 and 1910 2WD and 4WD Tractors.

Successful operation and long life of the loader depends, of course, on proper operation and the care given it. Please read this manual carefully and follow the instructions. Correct operation and maintenance will save much time and expense.

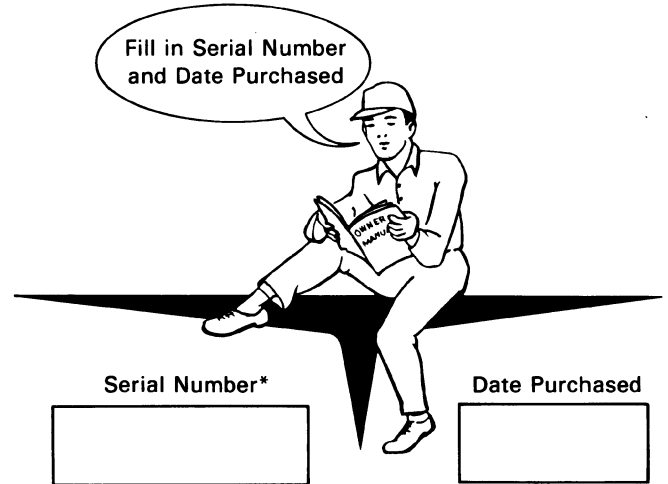


This **SAFETY ALERT SYMBOL** identifies **IMPORTANT SAFETY MESSAGES** in this manual. **OBSERVE** and **FOLLOW** all **SAFETY MESSAGES** to prevent personal **INJURY**.

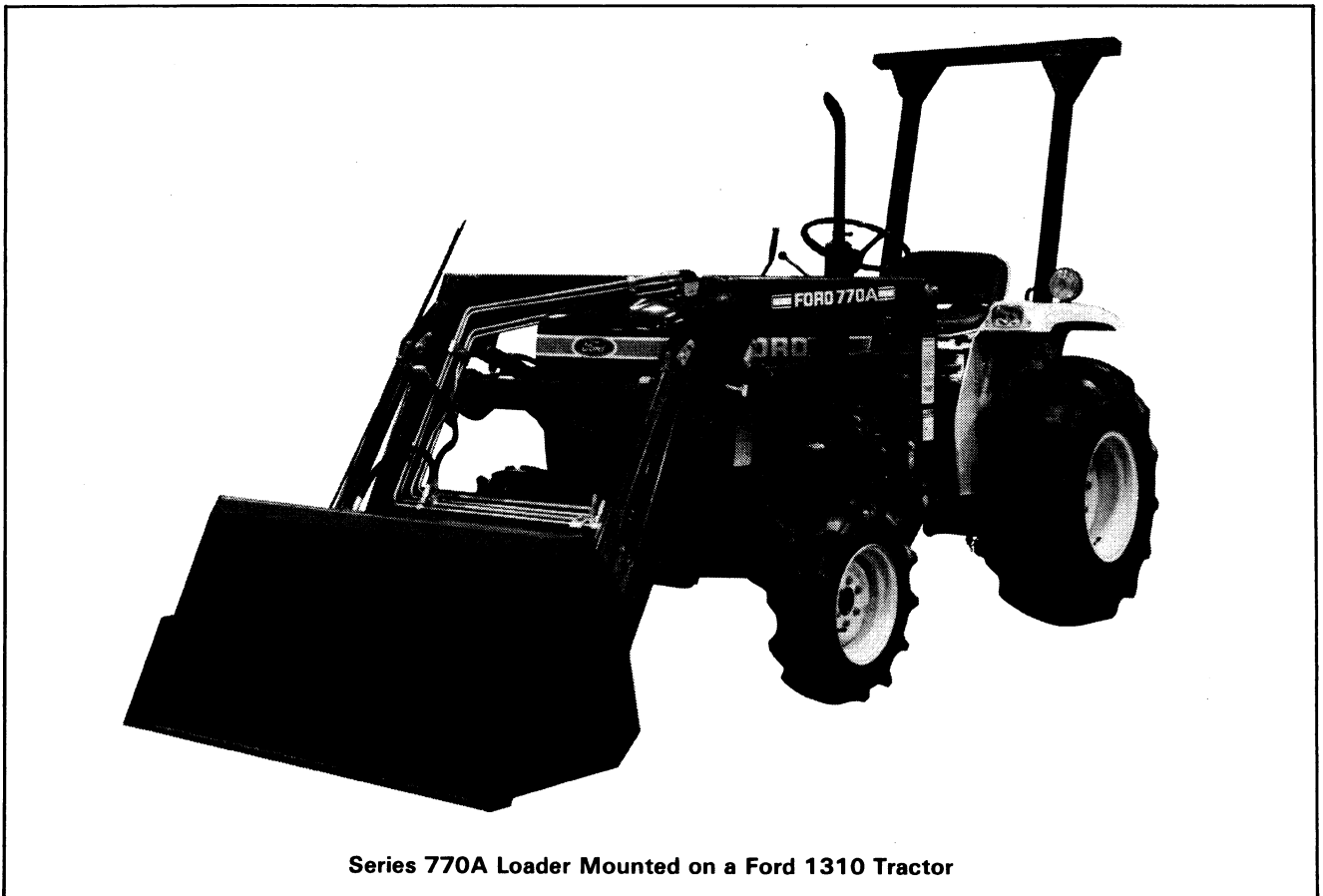
The reference to left hand and right hand used in this manual refers to the position when standing at the rear of the unit facing forward.

If, at any time, you have a service problem with your loader, or need new parts, contact your local Ford Tractor and Equipment Dealer.

Your dealer will need the loader model number and serial number to give you prompt efficient service.



* The serial number is located on the inside of the left-hand boom arm.



Series 770A Loader Mounted on a Ford 1310 Tractor

SAFETY PRECAUTIONS

The following precautions are suggested to help prevent accidents.

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. Read and take the following precautions before operating the tractor and this loader to help prevent accidents. Equipment should be operated only by those who are responsible and instructed to do so.

GENERAL

1. Read the Operator's Manual carefully before using the tractor or loader. Lack of operating knowledge can lead to accidents.
2. Replace damaged or illegible safety decals. See page 26 for required decals.
3. Operate tractor and loader only from the operator's seat.

THE TRACTOR

1. Use an approved roll bar and seat belt for safe operation. Overturning a tractor without a rollbar can result in death or injury. If your tractor is not equipped with a rollbar and seat belt, see your Tractor Dealer.
2. Equip your tractor with FOPS (Falling Object Protective Structure) and seat belts before installing or operating the loader.
3. Always use the seat belt when the rollbar is installed. Do not use the seat belt if the rollbar is removed from the tractor.
4. Add recommended wheel ballast and/or rear weight as recommended in owner's manual to provide good stability.
5. Move the wheels to the tractor manufacturer's widest recommended settings to increase stability.
6. Move and turn the tractor at low speeds.

THE LOADER

1. Improper use of a loader can cause serious injury or death.
2. Do not lift or carry anybody on the loader or in the bucket or attachment.
3. Never allow anyone to get under the loader bucket or reach through the lift arms when the bucket is raised.
4. Do not walk or work under a raised loader or bucket or attachment unless it is securely blocked or held in position.
5. Avoid overhead wires and obstacles when loader is raised. Contacting electric lines can cause electrocution.
6. Make sure all parked loaders on stands are on a hard, level surface. Engage all safety devices.

OPERATING THE LOADER

1. It is the loader owner's responsibility to be certain anyone operating the loader read this manual first to be aware of the safe way of operating the loader.
2. Exercise caution when operating the loader with a raised loaded bucket or fork.
3. Avoid loose fill, rocks and holes. They can be dangerous for loader operation or movement.
4. Use care when operating on steep grades to maintain proper stability. Always carry the bucket as low as possible.

5. Allow for the loader length when making turns.
6. Stop the loader arms gradually when lowering or lifting.
7. Use caution when handling loose or shiftable loads.
8. Carry bucket at a low position during transport for better visibility.
9. When parking or servicing, lower bucket to ground, stop engine and set park brakes before leaving the tractor seat.
10. Operate the loader controls only when properly seated at the controls.
11. Using front end loaders without special attachments for handling large heavy objects, such as large round or rectangular bales, logs and oil drums, is **NOT RECOMMENDED**.
12. Handling large heavy objects can be extremely dangerous due to:
 - Danger of rolling the tractor over.
 - Danger of upending the tractor.
 - Danger of the object rolling or sliding down the loader arms onto the operator.
13. If you must perform this sort of work (see 12 above), protect yourself by:
 - Using the proper attachment.
 - Never lifting the load higher than necessary to clear the ground when moving.
 - Ballasting the tractor rear to compensate for the load.
 - Never lifting large objects with equipment that does not have an anti-rollback device.
 - Moving slowly and carefully, avoiding rough terrain.

MAINTENANCE

1. When servicing or replacing pins in cylinder ends, buckets, etc., always use a brass drift and hammer. Failure to do so could result in injury from flying metal fragments.
2. Do not modify or alter or permit anyone else to modify or alter the loader or any of its components or any loader function without first consulting a Ford Tractor Dealer. If you have any questions regarding loader modifications contact the Ford Tractor Operations of Ford Motor Company.
3. Always wear safety goggles when servicing or repairing the machine.
4. Escaping hydraulic/diesel fluid under pressure can penetrate the skin causing serious injury.
5. **DO NOT** use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.
6. Stop engine and relieve pressure before connecting or disconnecting hydraulic or diesel lines.
7. Tighten all connections before starting engine or pressurizing lines.
8. If any fluid is injected into the skin, obtain medical attention immediately or gangrene may result.
9. Do not tamper with the relief valve setting. The relief valve is pre-set at the factory. Changing the setting can cause overloading the loader and tractor and serious operator injury may result.

Whenever you see this symbol



it means: **ATTENTION!**

BECOME ALERT!

YOUR SAFETY IS INVOLVED!

OPERATION

PREPARING TRACTOR

Before operating the loader, for optimum stability, additional weight should be added to the rear of the tractor with rear wheel weights, liquid ballast or 3-Pt. hitch counterweight. The maximum total rear axle weight recommended is 2200 pounds for 1310 and 1510 tractor models, 2800 pounds for 1710 tractor model and 3000 pounds for 1910 tractor model. Refer to your tractor operator's manual for additional counterweighting information.

The effective counterbalance weight of mounted rear equipment is determined by multiplying the actual weight of equipment by 1.50.

EXAMPLE: *Equipment weighing 800 pounds, attached to the rear of the tractor, multiplied by 1.50, equals 1200 pounds of effective counterbalance weight.*

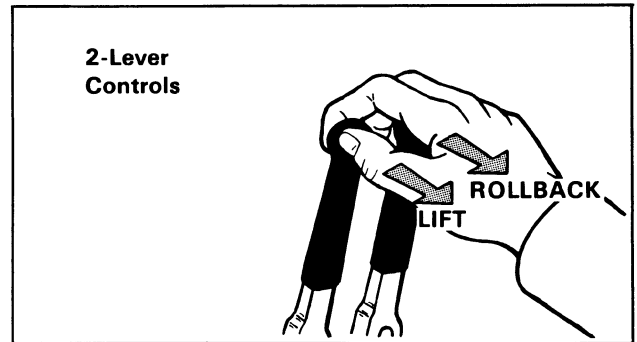
OPERATING LOADER

The loader should be operated with the tractor engine running at 1700-2200 rpm. Excessive speeds are dangerous and may cause bucket spillage and unnecessary strain on the tractor and loader.

When operating in temperatures below 30°F., run the tractor engine below 1200 rpm until the oil temperature exceeds 30°F.

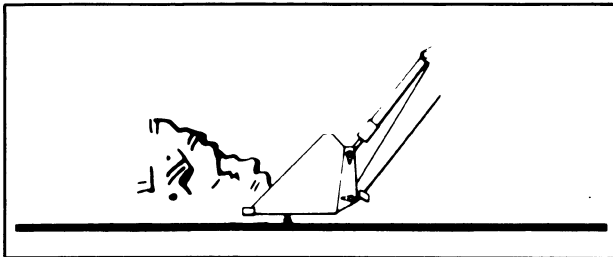
The following text and illustrations offer suggested loader and tractor operating techniques.

Loaders with 2-lever controls, ease both levers back to lift and rollback the bucket.

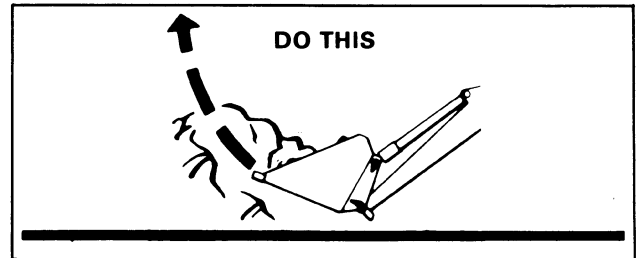


● FILLING THE BUCKET

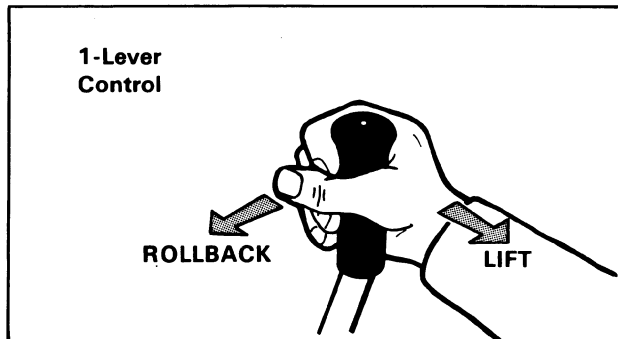
Approach and enter the pile with a level bucket.



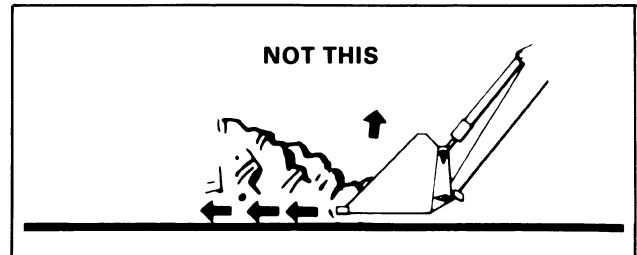
The lift and rollback of the bucket will increase efficiency because . . .



Loaders with 1-lever control, ease lever back and toward you to lift and rollback the bucket.



. . . a level bucket throughout the lifting cycle resists bucket lift and increases breakaway effort.



NOTE: *Do not be concerned if the bucket is not completely filled during each pass. Maximum productivity is determined by the amount of material loaded in a given period of time. Time is lost if two or more attempts are made to fill the bucket on each pass.*

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