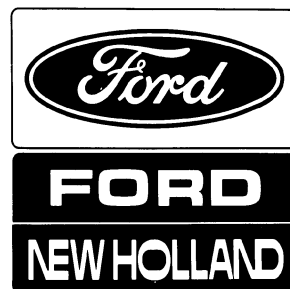


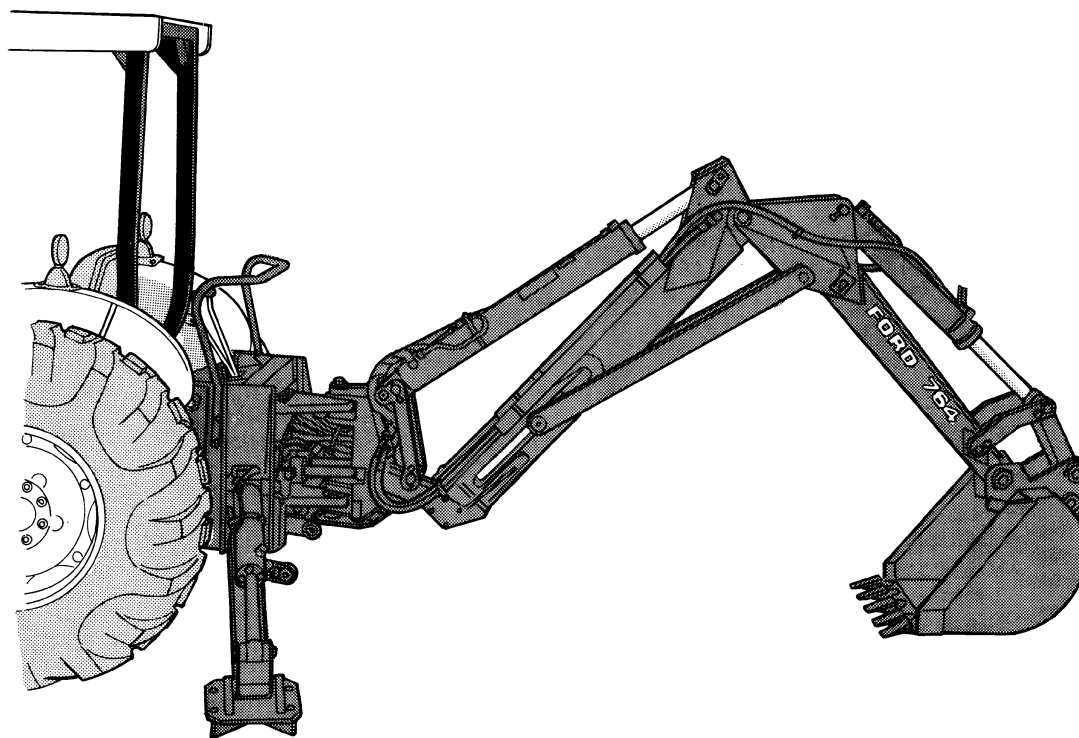
FORD

Operator's Manual



Series 764 Backhoe

With Installation Information
For Ford 345C, 445C and 545C Tractors



FOREWORD

Your new backhoe has been designed, built and tested to assure the highest quality, give maximum strength and long life for every part.

This manual has been prepared to assist you in the proper break-in, daily care, and operation of your new Series 764 Backhoe. It contains specific information on its many features; the attachments that are available; instructions for making minor repairs and adjustments; safety precautions, general specifications; suggested operating techniques; the pre-delivery check lists.

Your Ford Series 764 Backhoe has been carefully inspected before leaving the factory and again by your Ford New Holland Dealer prior to delivery to ensure that it is "ready to go." To keep it in this "ready to go" condition, it is important that you follow regularly scheduled service periods as recommended in this manual.

When referring to the backhoe, all reference to left and right as viewed from the operator's seat while facing rearward, which is normal for backhoe operation.

Read this manual carefully before operating your Ford Series 764 Backhoe and keep it in a convenient location for future reference. If, at any time, you have a service problem concerning your new backhoe, remember that your Ford New Holland Dealer has trained service personnel, genuine Ford parts, and the necessary tools and equipment to best satisfy your service needs.

"Ford New Holland, Inc. whose policy is one of continuous improvement, reserves the right to make changes in design and specifications at any time without notice and without obligation to modify units previously built."

ISSUED TO:		ISSUED BY:	
_____ Owner's Name		_____ Ford New Holland Dealer	
_____ Mailing Address		_____ City	
_____ City		_____ State	_____ Zip Code
_____ State	_____ Zip Code	_____ Delivery Date	
_____ Backhoe Serial Number			

PARTS AND SERVICE CATALOGS AVAILABLE

Ford New Holland, Inc. is pleased to announce the availability of parts and service catalogs to owners of Ford tractors and equipment.

To obtain these catalogs merely fill out the order form available from your local authorized Ford New Holland Dealer.

OWNER ASSISTANCE

We at Ford New Holland and your Ford New Holland dealer want you to be completely satisfied with your investment. Normally any problems with your equipment will be handled by your dealers's Service Department. Sometimes, however, misunderstanding can occur. If your problem has not been handled to your satisfaction, we suggest the following:

1. Contact the owner or General Manager of the dealership, explain the problem, and request assistance. When additional assistance is needed, your dealer has direct access to our branch office.
2. If you cannot obtain satisfaction by doing this, contact the Ford New Holland, Inc. branch office in your area and provide them with:
 - Your name, address and telephone number
 - Machine model and serial number
 - Dealership name and address
 - Machine purchase date and amount of use
 - Nature of problem

Atlanta

2000 Mountain Ind. Blvd.
Tucker, GA 30084
Telephone: (404) 491-3449

New Holland

500 Diller Avenue
New Holland, PA 17557
Telephone: (717) 355-3951

Calgary

Box 1616, Main P.O.
Calgary, AB
CANADA T2P 2M7
Telephone: (403) 273-6771

Dallas

P.O. Box 10227
Dallas, TX 75207
Telephone: (214) 939-4919

San Francisco

P.O. Box 6100
Fairfield, CA 94533
Telephone: (707) 423-9200

Toronto

P.O. Box 7000
Brampton, ON
CANADA L6V 2M9
Telephone: (416) 452-6524

Kansas City

P.O. Box 14550
Lenexa, KS 66219
Telephone: (913) 894-3387

Troy

1315 Coolidge Avenue
Troy, MI 48084
Telephone: (313) 637-9382

Minneapolis

P.O. Box 1342
Minneapolis, MN 55440
Telephone: (612) 887-4232

3. If you need further assistance contact:

*Consumer Services Department
Mail Station 500
Ford New Holland, Inc.
New Holland, PA 17557
Telephone: (717) 355-1545*

When contacting Ford New Holland's branch office or Consumer Services Department, be aware that your problem will likely be resolved in the dealership using the dealer's facilities, equipment, and personnel. So, it is important that your initial contact be with the dealer.

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SAMPLE SERIAL PLATE



The serial number plate is located on the backhoe mainframe. Record the model and serial number of your backhoe.

Model: _____

Serial Number: _____

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 this tractor to help prevent accidents. Equipment should be operated only by those who are responsible and instructed to do so.

THE TRACTOR

1. Read the Operator's Manual carefully before using the tractor. Lack of operating knowledge can lead to accidents.
2. Use an approved ROPS (Roll-Over Protective Structure) and seat belt for safe operation. Overturning a tractor without a roll bar can result in death or injury. If your tractor is not equipped with a roll bar and seat belt, see your Ford New Holland Dealer.
3. Always use the seat belt when the roll bar is installed. Do not use the seat belt if the roll bar is removed from the tractor.
4. Front end loader is required for backhoe installation. Always use a FOPS (Falling Object Protective Structure) to avoid injury from falling objects.
5. Use the handholds and step plates when getting on and off the tractor to prevent falls. Keep steps and platform cleared of mud and debris.
6. Do not permit anyone but the operator to ride on the tractor. There is no safe place for extra riders.
7. Replace all missing, illegible, or damaged safety decals. See page 42.
8. Keep safety decals clean of dirt and grime.
8. Never attach chains, ropes, cables, etc. to the loader or backhoe for pulling purposes.

BACKHOE OPERATION

1. Never allow anyone to get under the backhoe bucket when the bucket is raised.
2. To prevent upsets, avoid full reach and swinging the backhoe bucket to the downhill side when operating on a slope.
3. Watch out for overhead and underground high-voltage electrical lines when operating the backhoe.
4. Do not enter the platform from the rear.
5. Always attach the backhoe transport chains before transporting the unit.
6. Always place the tractor transmission in neutral before operating backhoe.

LOADER OPERATION

1. Do not transport anyone in the loader bucket.
2. Always carry the loader bucket low for maximum stability and visibility, whether the bucket is loaded or empty.
3. Always use the recommended amount of counterweighting to ensure good stability.
4. Be careful when handling round objects such as round bales, poles, etc. Lifting too high or rolling bucket too far back could result in these objects rolling rearward down the loader arms on the operator.
5. Never allow anyone to get under the loader bucket or reach through the lift arms when the bucket is raised.
6. Exercise caution when operating the loader with a raised bucket or fork.

TRACTOR OPERATION

1. Do not start the engine or operate controls while standing beside the tractor. Always sit in the tractor seat when starting the engine or operating controls.
2. Do not get off the tractor while it is in motion.
3. Shut off the engine and apply the parking brake before getting off the tractor.
4. Do not park the tractor on a steep incline.
5. Do not operate the tractor engine in an enclosed building without adequate ventilation. Exhaust fumes can suffocate you.
6. Drive the tractor with care and at speeds compatible with safety, especially when operating over rough ground, crossing ditches, slopes and when turning, to avoid upsets.
7. Lock tractor brake pedals together when transporting on roads to provide two wheel braking.
8. Keep the tractor in gear when going downhill.

MAINTENANCE

1. Never make repairs or tighten hydraulic hoses or fittings when the system is under pressure, when the engine is running, or when the loader or backhoe cylinders are under a load.
2. Always keep the brakes and power steering system in good operating condition.
3. Do not lubricate or make mechanical adjustments while the unit is in motion or when the engine is running. However, if minor engine adjustments must be made, apply the parking brake, securely block the wheels, and use extreme caution. Be certain that the loader is fully lowered or supported so that it cannot fall.
4. For safe operation, observe proper maintenance and repair of all pivot pins, hydraulic cylinders, hoses, snap rings and main attaching bolts prior to each day's operations.
5. Always wear safety goggles when servicing or repairing the machine.
6. Adequately block up the backhoe or loader when they are detached from the tractor.
7. Whenever servicing or replacing pins in cylinder ends, buckets, etc., always use a brass drift and a hammer. Failure to do so could result in injury from flying metal fragments.

LOADER/BACKHOE OPERATION

1. Always be sure of water, gas, sewage and electrical line locations before you start to dig.
2. Watch out for overhead and underground high-voltage electrical lines when operating the loader or backhoe.
3. Operate the loader or backhoe controls only when properly seated at the controls.
4. Never attempt to lift loads in excess of loader or backhoe capacity.
5. Always lower the loader and backhoe buckets to the ground, shut off the engine and apply the parking brake before getting off the unit.
6. Always be watchful of bystanders when operating the loader, when lowering the stabilizers, or when operating the backhoe.
7. Use care when operating on steep grades to maintain proper stability. Always carry the bucket as low as possible.

Whenever you see this symbol



it means:

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

GENERAL INFORMATION

GENERAL

The Ford Series 764 Backhoe, Figure 1, is available for installation on Ford 345C, 445C and 545C tractors-loader units.

For detailed information on buckets and stabilizer pads, refer to the "Backhoe Attachments" section of this manual.



S-24794

Figure 1
Ford 445C Tractor — 745 Loader
764 Backhoe

CONTROLS

CONTROLS

Two Lever Controls

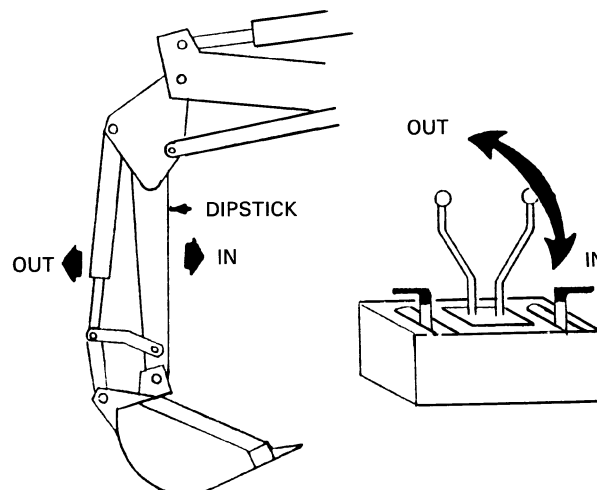
The backhoe is controlled by the use of two levers as shown in Figure 2. They are: Swing and Boom Lever (1), and Bucket and Crowd Lever (2).

The stabilizers are controlled by the use of two levers as shown in Figure 2, left stabilizer (3) and right stabilizer (4).

The farther the levers are moved from neutral the faster the components will move. For precise control, all of the levers can be "feathered" (moved slightly) to slow element movement.

The following illustrates component movement vs. lever movement.

Crowd Lever

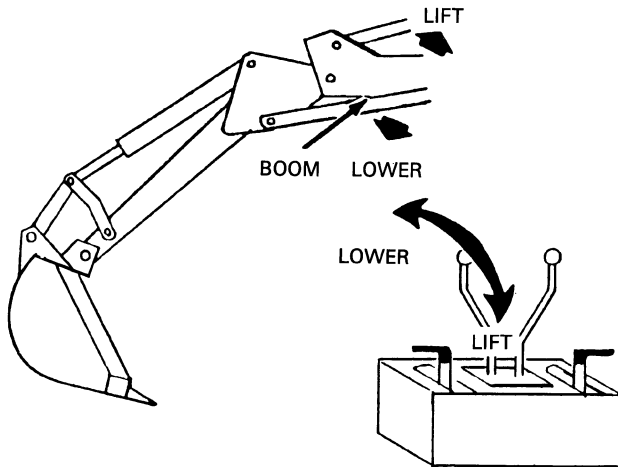


CONTROLS

Crowd Lever

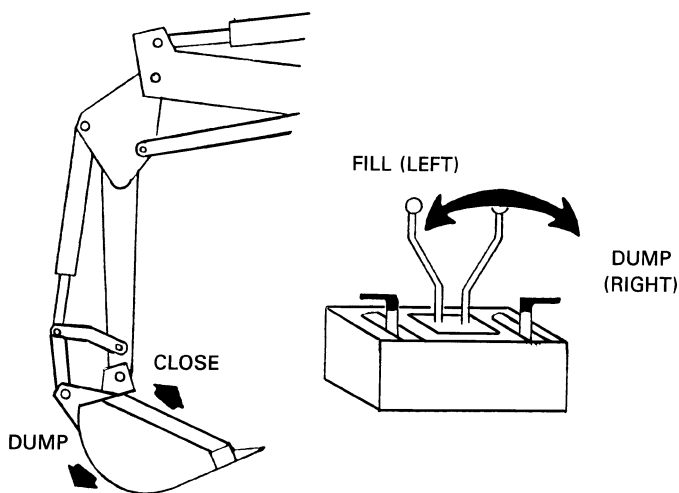
Pushing the crowd lever forward will move the dipstick and bucket "Out" or away from the operator. Pulling the crowd lever rearward will move the dipstick and bucket "In" or toward the operator.

Lift Lever



Pushing the boom lever forward will "Lower" the boom, dipstick and bucket. Pulling the boom lever rearward will "Lift" the boom, dipstick and bucket.

Bucket Lever



Pushing the bucket lever to the left will "Curl" the bucket. Pushing the bucket lever to the right will "Dump" the bucket.

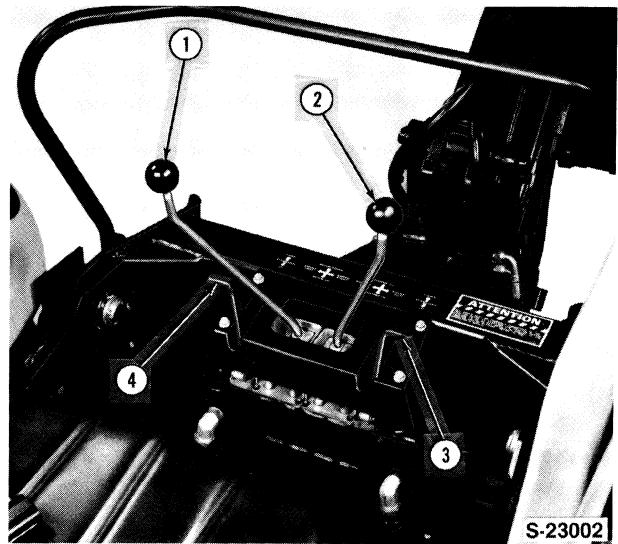
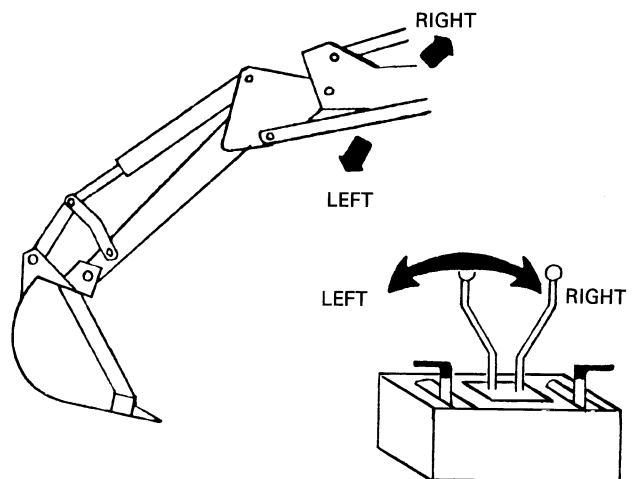


Figure 2
Backhoe Controls

- | | |
|--------------------------------|---------------------------|
| 1. Swing and Boom (Lift) Lever | 3. Right Stabilizer Lever |
| 2. Bucket and Crowd Lever | 4. Left Stabilizer Lever |

Swing Lever



Pushing the swing lever to the left will swing the boom, dipstick and bucket to the "Left." Pushing the swing lever to the right will swing the boom, dipstick and bucket to the "Right."

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