
FORD

Series 765

Backhoe

42076510



OPERATOR'S MANUAL

Reprinted

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 765 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 and 50-hour check lists.

Your Ford Series 765 Backhoe has been carefully inspected before leaving the factory and by your Ford Tractor-Equipment Dealer prior to delivery to see that it is "ready to go". To keep it in this "ready to go" condition, it is important to follow regularly scheduled service periods as recommended in this manual.

When referring to the backhoe, all references to left and right are 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 765 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 Tractor-Equipment Dealer has trained service personnel, genuine Ford parts, and the necessary tools and equipment to best satisfy your service needs.

"Ford Motor Company, 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."



SAFETY PRECAUTIONS

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 backhoe to help prevent accidents.

1. Read the Operator's Manual carefully before using the backhoe. Lack of operating knowledge can lead to accidents.
2. Use an approved roll bar and seat belt for safe operation. If your tractor is not equipped with a roll bar and seat belt, see your Ford Tractor-Equipment 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. Use the handholds and step plates when getting on and off the backhoe.
5. Do not permit anyone but the operator to ride on the unit. There is no safe place for extra riders.
6. Replace safety and warning decals when they become illegible.
7. Do not start the engine while standing beside the tractor. Always sit in the tractor seat when starting the engine.
8. 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 operation.
9. Do not get off the tractor while it is in motion.
10. Lower the bucket to the ground, shut off the engine and apply the parking brake before getting off the tractor.
11. Do not operate the tractor engine in an enclosed building without adequate ventilation. Exhaust fumes can suffocate you.
12. Do not enter the platform from the rear.
13. Never leave the unit when it is parked on an incline. Always park the unit on level ground where possible. If the unit is to be parked on an incline, always lower the bucket so that the cutting lip contacts the ground, apply the parking brake and securely block the wheels.
14. Always center and raise the boom before engaging or disengaging the transport.
15. Always be sure of water, gas, sewage and electrical line locations before you start to dig.
16. Watch out for overhead and underground high-voltage electrical lines when operating the backhoe.
17. Operate the backhoe controls only when properly seated at the controls.
18. Never attempt to lift loads in excess of backhoe capacity.
19. Never allow anyone to get under the backhoe bucket or reach through the lift arms when the buckets are raised.
20. Always be watchful of bystanders when lowering the stabilizers, or when operating the backhoe.
21. Use care when operating on steep grades to maintain proper stability; also drive at speeds compatible with safety, especially when operating over rough ground, crossing ditches, slopes, or when turning.
22. To prevent upsets, avoid full reach and swinging a loaded backhoe bucket to the downhill side when operating on a slope.
23. Never attach chains, ropes, cables, etc., to the ROPS or backhoe for pulling purposes, as the unit can tip rearward. Pulling from the tractor rear axle or any point above the axle may cause the tractor to upset.
24. Use SMV warning signs on the unit when traveling on public roads both day and night.
25. On a 14 foot backhoe always lock transport lock and connect the stabilizer chains before transporting the unit. See Figure 17.
26. On a 12 foot backhoe always attach the transport chains before transporting the unit. See Figure 16.
27. Use the flasher/turn signal lights when traveling on public roads both day and night unless prohibited by law.
28. Always check overhead clearance, especially when transporting the unit.
29. Do not lubricate or make mechanical adjustments while the unit is in motion or when the engine is running.
30. Never make repairs or tighten hydraulic hoses or fittings when the system is under pressure, when the engine is running, or when the backhoe cylinders are under a load.
31. Keep the operator's platform free of debris.
32. Adequately block up the backhoe when it is detached from the tractor.

Whenever you see this symbol



it means:

ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

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GENERAL INFORMATION

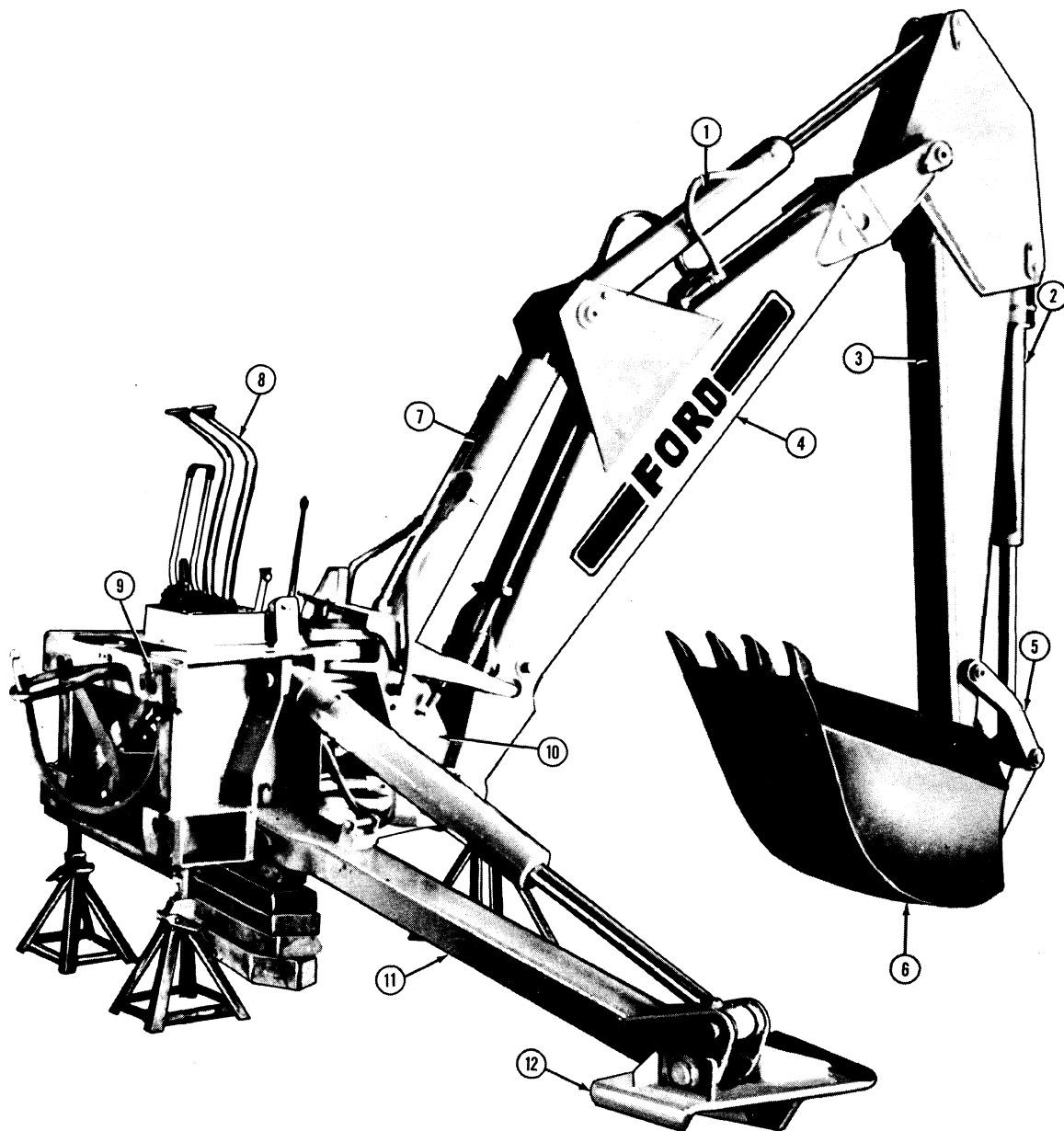


Figure 1
Series 765 Backhoe

- | | |
|--------------------|--------------------|
| 1. Crowd Cylinder | 7. Lift Cylinder |
| 2. Bucket Cylinder | 8. Control Levers |
| 3. Dipstick | 9. Main Frame |
| 4. Boom | 10. Swing Post |
| 5. Bucket Linkage | 11. Stabilizer |
| 6. Bucket | 12. Stabilizer Pad |

GENERAL INFORMATION AND CONTROLS

GENERAL INFORMATION

Figure 1 shows a Ford Series 765 Backhoe.

The backhoes are identified by component numbers which are defined as:

19-800 Series 765 Backhoe (12 ft./3.7m)
with four lever controls

19-801 Series 765 Backhoe (12 ft./3.7m)
with two lever controls

19-802 Series 765 Backhoe (14 ft./4.3m)
with four lever controls

19-803 Series 765 Backhoe (14 ft./4.3m)
with two lever controls

CONTROLS

The backhoe is controlled by either four levers or two levers, as shown in Figures 2 and 3.

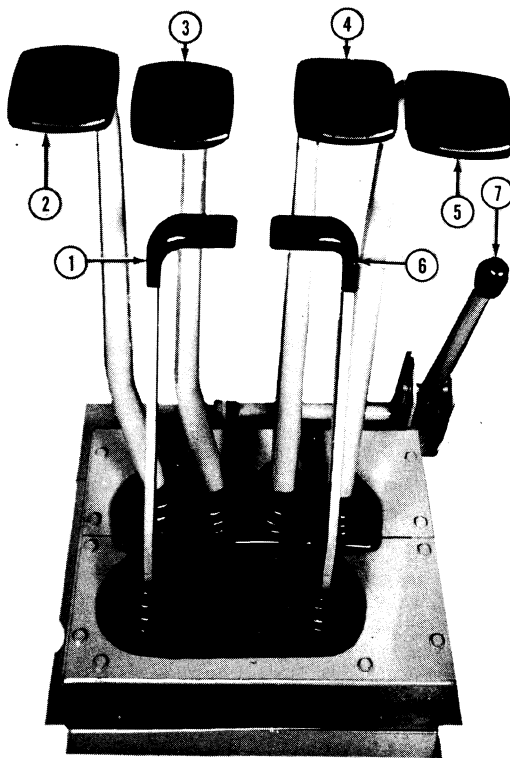


Figure 2
Four Lever Control

1. Left Stabilizer Lever
2. Crowd Lever (Dipstick)
3. Lift Lever (Boom)
4. Actuating Lever (Bucket)
5. Swing Lever
6. Right Stabilizer Lever
7. Boom/Swing Transport Lock (Engaged) — 14 Foot Backhoe Only

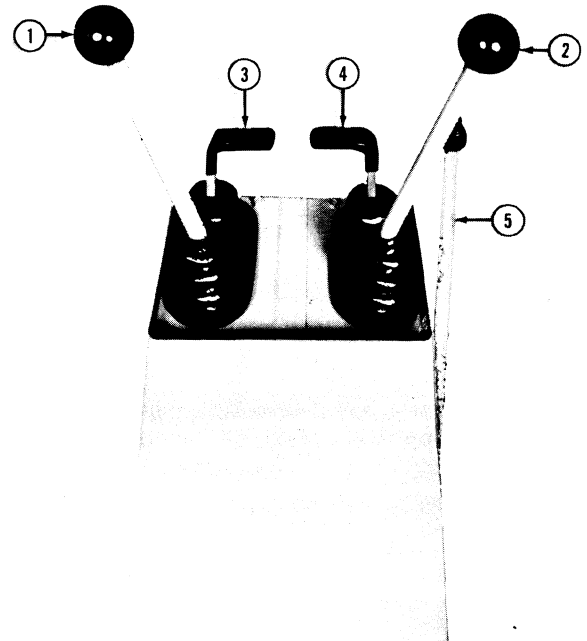


Figure 3
Two Lever Control

1. Swing and Boom Lever
2. Bucket and Crowd Lever
3. Left Stabilizer Lever
4. Right Stabilizer Lever
5. Boom/Swing Transport Lock (Disengaged) — 14 Foot Backhoe Only

The easiest way to remember the various lever positions is to relate bucket and stabilizer movement to yourself on the backhoe seat. Therefore, all references to left- and right-hand situations will be made as seen from the backhoe seat. However, when ordering parts all references to left- and right-hand parts are established as seen from the tractor seat.

CONTROLS

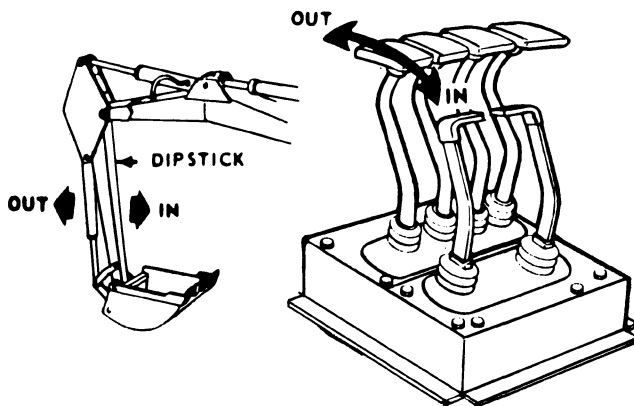
The levers can be "feathered" (moved slightly) in all positions, to give you precise bucket control.

Practice the lever movements as you operate the backhoe in one or more of the jobs described in the operating techniques.

Movement of the four or two backhoe control levers results in the following action:

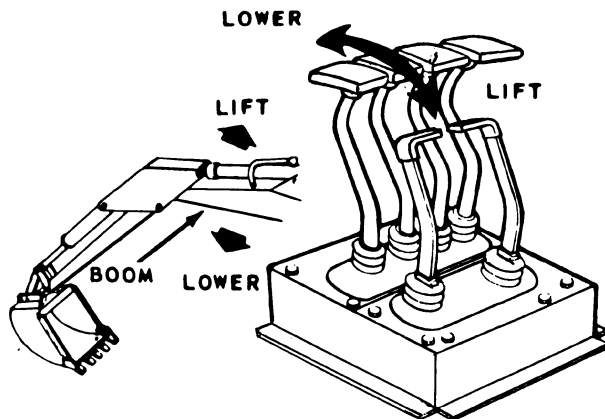
Four Lever Controls

Crowd Lever



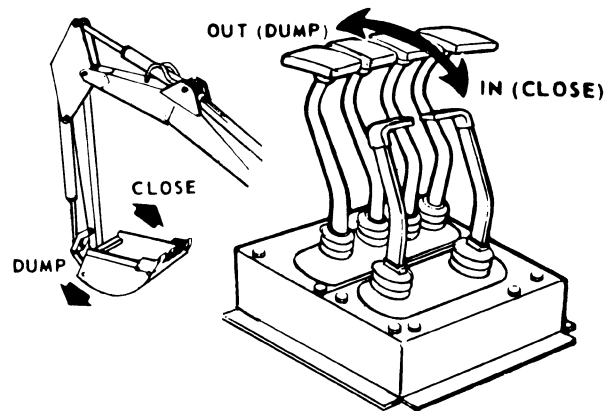
Pushing the crowd lever forward will move the dipstick and bucket "Out" or away from the operator. Pulling the crowd lever rearward will move the dipstick and bucket "In" or toward the operator.

Lift Lever



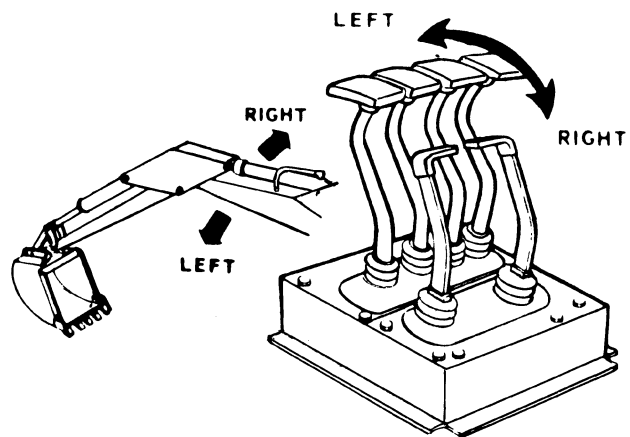
Pushing the lift lever forward will "Lower" the boom, dipstick and bucket. Pulling the lift lever rearward will "Lift" the boom, dipstick and bucket.

Bucket Lever



Pushing the actuating lever (bucket) forward will "Dump" the bucket (move outward). Pulling the actuating lever (bucket) rearward will "Close" or curl the bucket (move inward).

Swing Lever



Pushing the swing lever forward will swing the boom, dipstick and bucket to the "Left". Pulling the swing lever rearward will swing the boom, dipstick and bucket to the "Right".

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