H-26 3-Point Hitch
F-27 Sleeve Adaptor
Operator's Manual 9-99713

J I Case
A Tenneco Company

INTRODUCTION

The Model H26 3-Point Hitch, is specifically designed for mounting on Case Model 444 and 446 Compact Tractors, serial number 9646800 and above, which are equipped with Hydraulic Lift. Use the Model F26 3-Point Hitch for Model 442 and 444 tractors prior to this serial number. The 3-Point Hitch is operated by the Hydraulic Lift control lever.

The Model F27 Sleeve Adaptor (Figure 3) converts the 3-Point Hitch to accept sleeve-type mounted implements.

This manual covers recommended operating procedures, safety suggestions, adjustments, maintenance information and installation instructions. Read this manual carefully before using your 3-Point Hitch or Sleeve Adaptor. Your J I Case Compact Tractor Dealer is well qualified to answer any further questions you might have concerning these attachments. Also, if the need should arise, his Service Department with factory trained technicians, genuine Case replacement parts and the required facilities is in a position to provide proper repairs in the shortest time possible.

The definitions "Right, Left, Front and Rear" as used throughout this manual relate to the tractor, 3-Point Hitch and Sleeve Adaptor as the operator is seated facing forward in the normal operating position on the tractor.

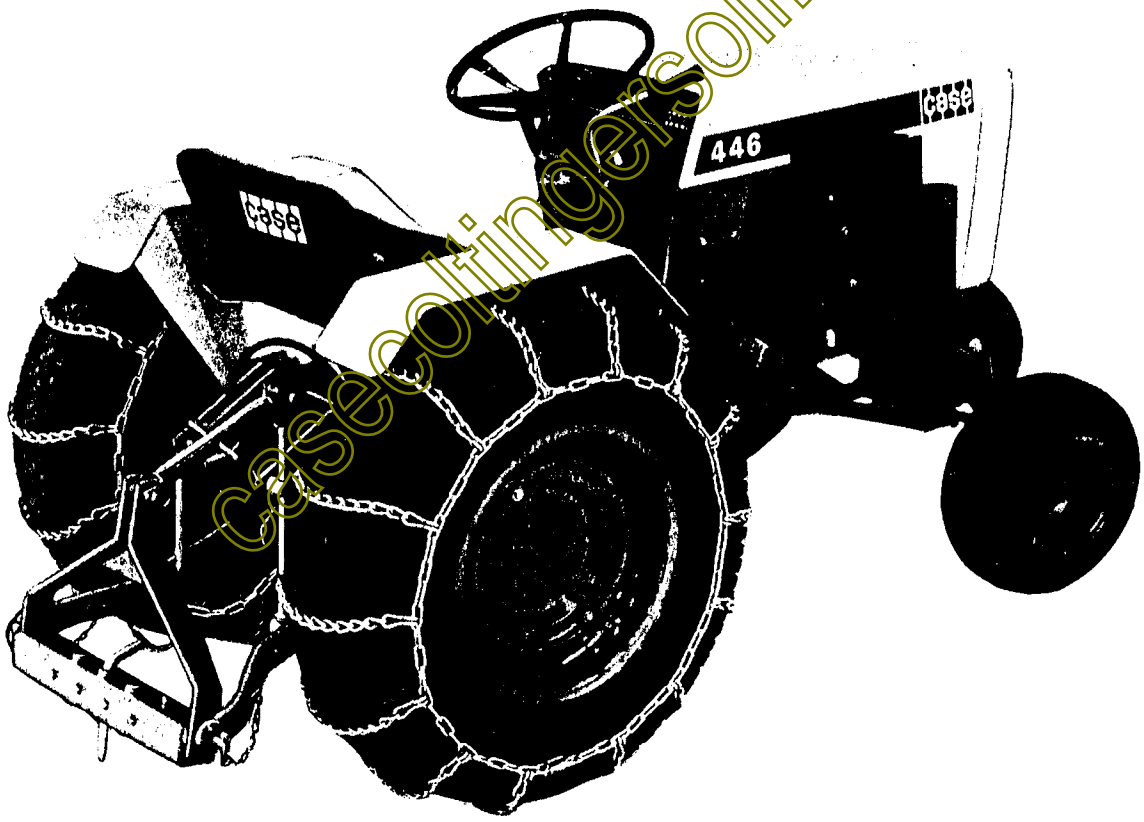

FIGURE 1
Model 446 Tractor shown with H-26 3-Point Hitch, F-27 Sleeve Adaptor, E-16 Tire Chains, D-10 Wheel Weights, and H-18 Front Weight Kit with D-10 Wheel Weights

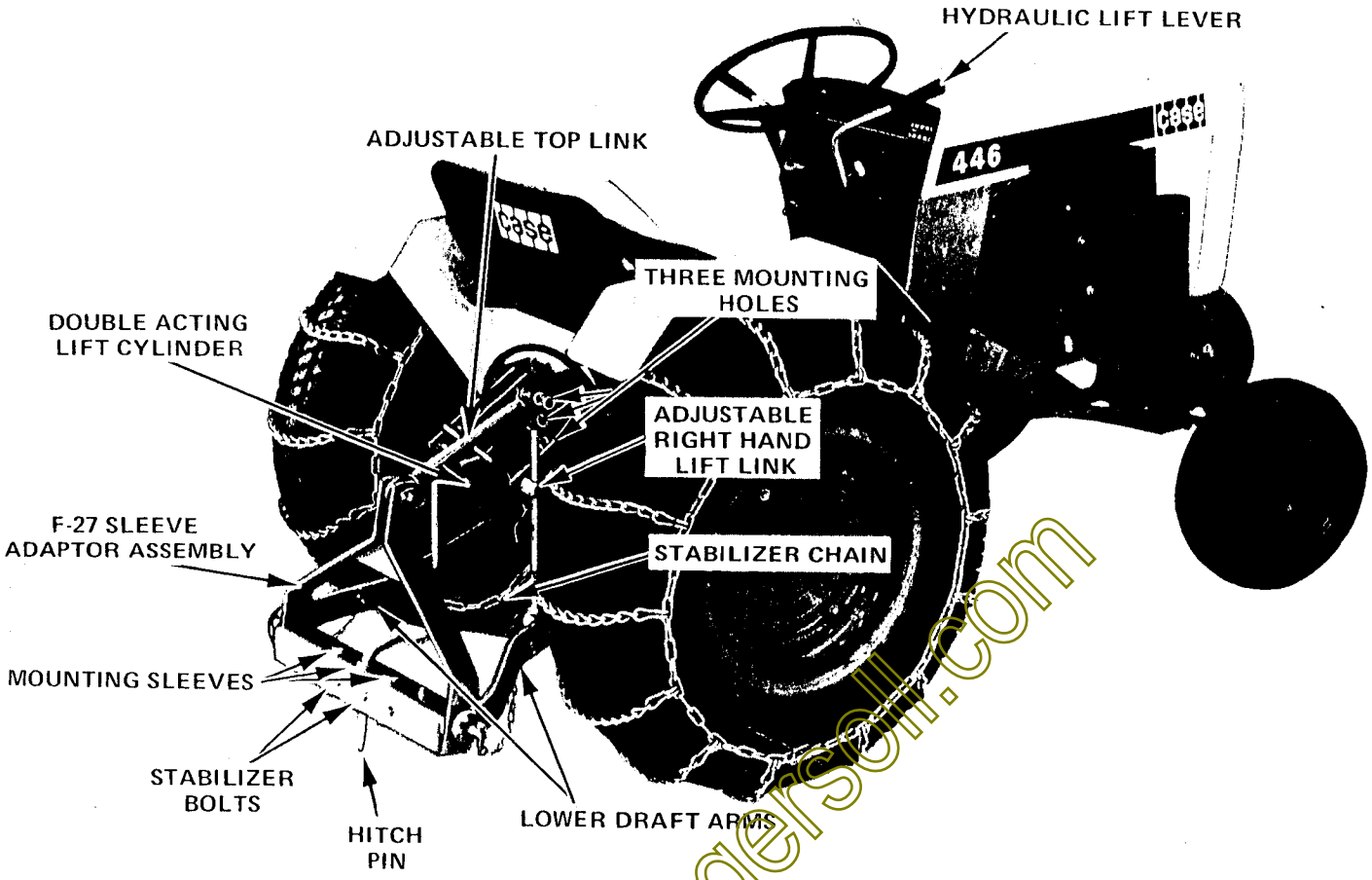

FIGURE 2
Identification of Principle Components and Controls

OPERATION - ADJUSTMENTS

H-26 3-POINT HITCH

1. The Model H26 3-Point Hitch is designed in accordance with ASAE Specification, Category "O" and will accommodate all attachments manufactured to this standard.

2. The Model H26 3-Point Hitch is furnished with a double-acting cylinder allowing "down-pressure" to be placed on the attachment.

   The hitch is raised and lowered with the tractor hydraulic lift lever. See Figure 2. Pull back on the lift control lever to raise the hitch. To lower the hitch or apply "down-pressure" push the lever ahead to the first stop position. The lift control valve has a centering spring which returns the lever to neutral from either the "raise" or the "lower" and "down-pressure" positions.

   Push the lever further ahead to the second stop position to provide "floating" action for the attachment. The control lever will remain in the "float" position until it is manually returned to neutral. The "float" position is recommended for tiling or plowing.

3. The 3-Point Hitch right hand lift link, Figure 2, is adjustable to side level a mounted attachment.

4. The adjustable top link is used to set the fore and aft pitch of the attachment. There are also three mounting hole options on the hitch frame for the top link.

5. Always keep the stabilizer chain anchored to the hitch's lower draft arms and tractor tow bracket to prevent interference with rear wheels.

F-27 SLEEVE ADAPTOR

1. Four implement stabilizing bolts (Figure 3) are furnished with the sleeve adaptor for use at the four threaded holes, to eliminate the lateral pivot of mounted attachments if desired. A plow should not be stabilized at this point.

2. There are three mounting sleeves (Figure 3) on the sleeve adaptor to permit centering or offsetting implements. When mounting a plow, be careful to select the mounting position which will allow the share to cut cleanly to the edge of the previous furrow or to the inside of the right rear wheel.

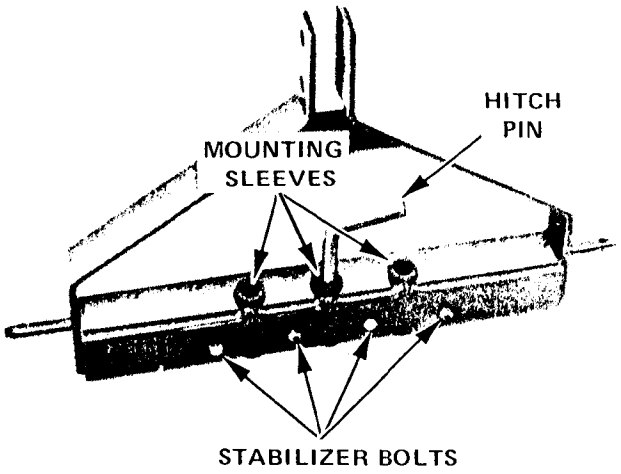

FIGURE 3
Model F-27 Sleeve Adaptor

CAUTION

Avoid any possibility of a painful accident. Always lower any rear or front mounted implement to the ground when leaving the tractor unattended.

TIRE CHAINS AND WHEEL WEIGHTS

When using the hitch for operating certain relatively hard pulling or heavy rear mounted attachments such as a mouldboard plow, disc, grader blade, rotary tiller, etc. performance will be improved by adding weight to the front end and the rear wheels of the tractor.

A model H-18 Front Counterweight Mounting Kit with model D-10 wheel weights applied will add front end stability. A model H-13 Weight Box filled with an appropriate amount of ballast is recommended as an alternative to the above. Model D-10 wheel weights applied to the rear wheels will greatly improve traction and stability. E-16 tire chains or lug type tires are also recommended to improve traction.

MAINTENANCE

1. There are two lubrication fittings on the hitch pivot shaft. These fittings should be lubricated daily when in use.

2. Oil the hitch pivot points and attachment mounting pins daily when in use. Do not however, lubricate the hitch ball joints as this may cause abrasive foreign material to lodge between the ball and retainer.

3. Check oil level in tractor hydraulic reservoir periodically. Maintain level between two and three inches from the top of the filler opening. Refer to tractor "Operator's Instruction Manual" for proper oil specifications.

4. A certain amount of oil will normally accumulate at the rod end as well as the base cap of the lift cylinder during operation which provides lubrication for the moving parts. There is no requirement for service or repair unless leakage is excessive.

5. After the first few hours of operation, check the four bolts which attach the hitch to the tractor transmission for tightness.

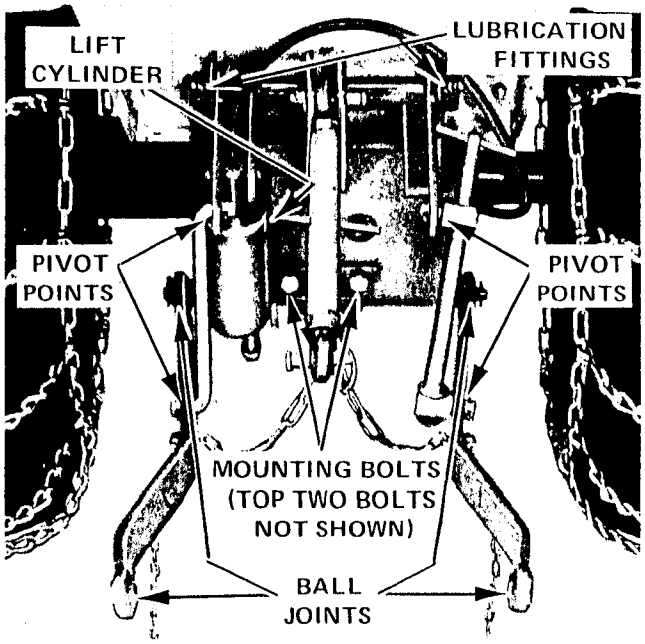

FIGURE 4
Lubrication Points

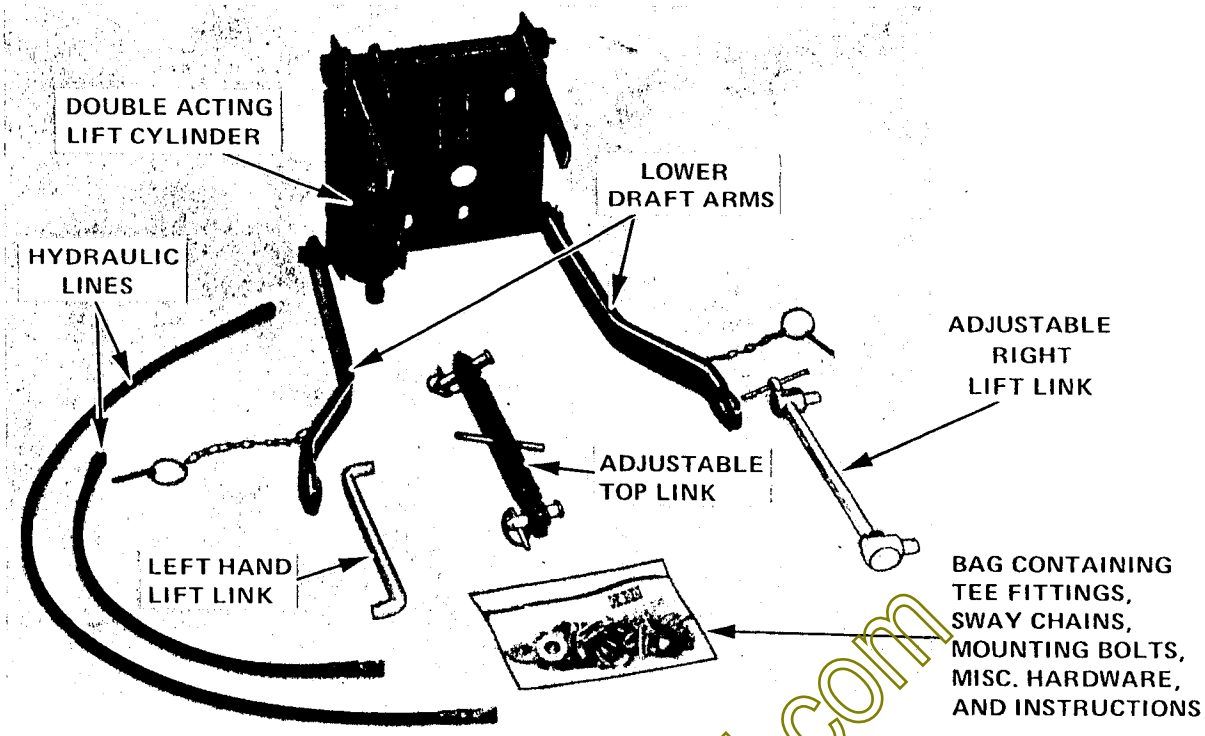

FIGURE 5

H-26 3-Point Hitch - Disassembled

The 3-Point Hitch attachment is intended for dealer installation only.

1. Check tires for equal and recommended pressure.

2. To install and operate the 3-Point Hitch the tractor must be equipped with Hydraulic Lift.

3. This hitch has been preassembled to the furthest extent practical in order to minimize your installation time. As a result of shipping vibrations and initial operation, bolts and hydraulic connections will sometimes loosen. Check all connections carefully during initial installation and operation and again after the first few hours of use.

4. Locate the tractor on a clean surface. Set the 3-point hitch assembly on a clean surface and leave the hoses and fittings capped until they are installed to keep dirt or foreign material from entering.

5. Remove the tow bracket from the transmission housing.

6. Remove the two rear seat support mounting bolts and lockwashers. Position the 3-Point Hitch Assembly on the seat support and transmission housing and secure with the same two bolts and lockwashers. See Figure 6.

7. Reinstall the tow bracket using the same bolts and lockwashers. Connect the center link on the "stabilizer chain" to the slotted hole in the tow bracket.

NOTE It may be necessary to file or grind off at the left side of the tow bracket to provide clearance for the cylinder mounting lug.

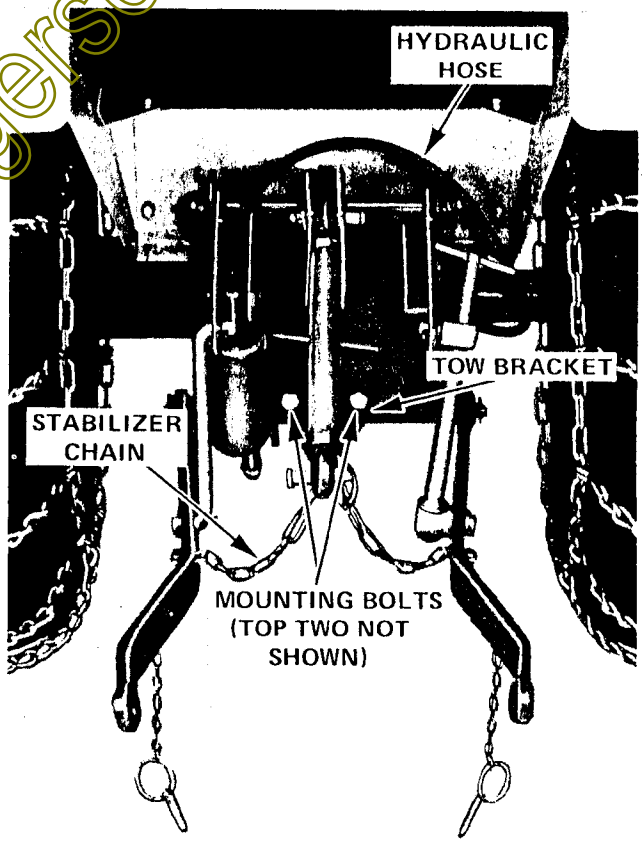

FIGURE 6

Installation

NOTE Place both travel lever and Hydraulic Lift lever in neutral while disconnecting and installing hydraulic lines.

8. Disconnect the hydraulic lift tubes from the travel and lift valve and remove the fittings from the lift ports.

9. Unless already done, remove the tubes between the valve and hydraulic motor. In some cases it might also be necessary to remove the fittings from the valve for clearance to install the "T" fittings.

10. Turn the "T" fittings into the lift ports of the valve. With the fittings facing towards the right rear corner of the tractor as shown in Figure 7, tighten the swivels against the valve housing.

11. Tighten the hoses into the 3-Point Hitch cylinder ports as shown in Figure 7 and connect them to the "T" fittings on the valve.

12. Connect the hydraulic lift tubes to the "T" fittings.

13. Install the hydraulic motor tubes.

14. Start the tractor and operate the cylinder to full open and closed positions several times to expel all air from the system. Shut off the tractor and check for oil leaks at all connections. Check the oil level in the reservoir and add if necessary to bring to between 2 and 3 inches from the top of the filler opening with API Class SE or CC 20W-40 Motor Oil.

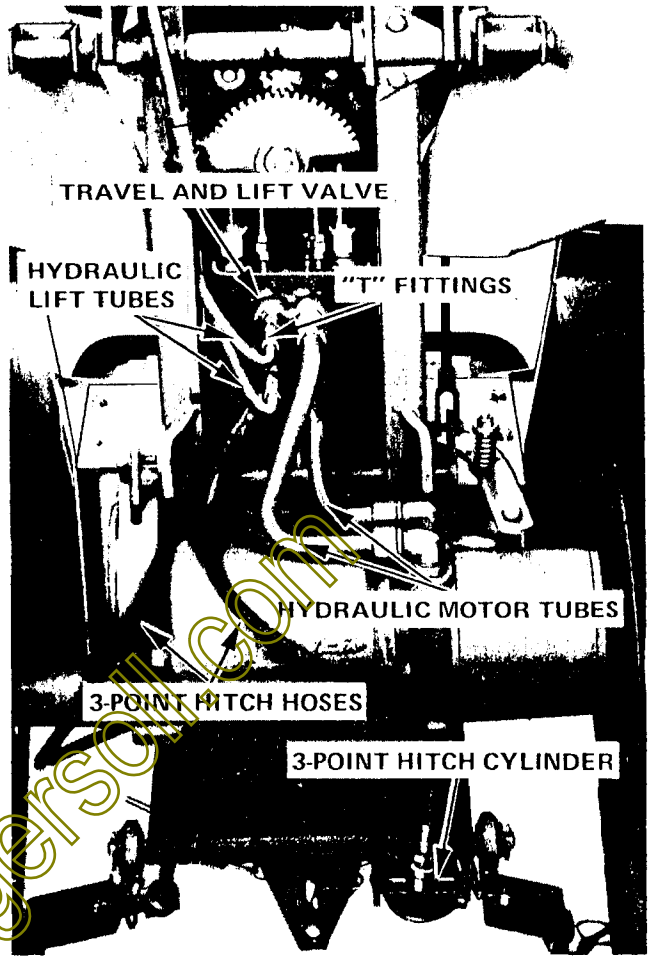

FIGURE 7
Hydraulic Connections

NOTE The J I Case Company reserves the right to make improvements in design or changes in specifications at any time without incurring any obligation to install them on units previously sold.

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