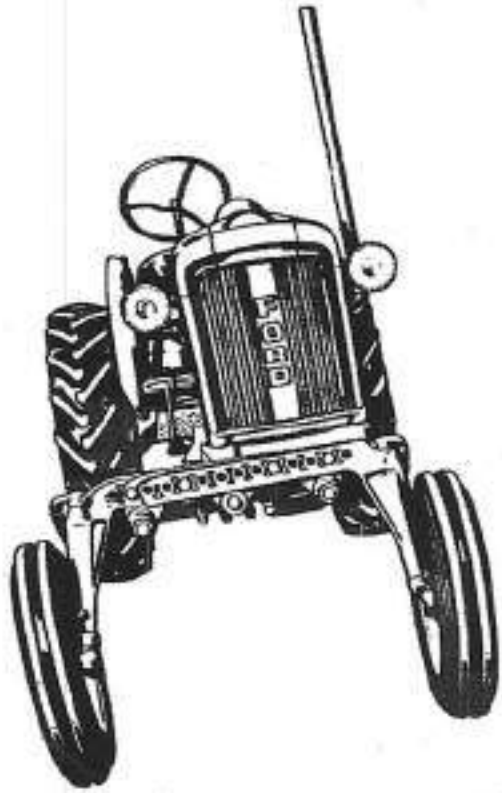
FORD

OFFSET TRACTOR



Owner's Manual

Supplement

SAFETY PRECAUTIONS

1. ALWAYS SHUT OFF THE ENGINE WHEN LEAVING THE TRACTOR.

2. MAKE SURE THE BRAKE PAWLS ARE SET WHEN PARKING THE TRACTOR.

3. DO NOT PERMIT ANYONE BUT THE OPERATOR TO RIDE ON THE TRACTOR AT ANY TIME.

4. NEVER OPERATE THE TRACTOR WITHOUT THE STABILIZER WEIGHT.

5. USE CARE WHEN OPERATING ON STEEP GRADES TO MAINTAIN PROPER STABILITY.

6. DRIVE TRACTOR AT SPEEDS SLOW ENOUGH FOR SAFETY, ESPECIALLY OVER ROUGH GROUND OR NEAR DITCHES.

7. BE ESPECIALLY CAREFUL WHEN OPERATING TRACTOR WITH THE WHEELS SET AT THE NARROW WIDTH TO AVOID TIPPING THE TRACTOR.

8. ALWAYS KEEP THE TRACTOR BRAKES IN PROPER OPERATING CONDITION.

9. KEEP THE TRACTOR KEYS WHERE THEY ARE NOT AVAILABLE TO CHILDREN.

10. REMEMBER, A CAREFUL OPERATOR ALWAYS IS THE BEST INSURANCE AGAINST AN ACCIDENT.

FOREWORD

Your new Series 2000 Ford Offset Tractor is basically the same as the Series 2000 Row Crop Tractor with the required modifications to obtain the offset feature. Model 21111 is the standard offset tractor, Model 21111-4 is the high clearance offset.

Information given in this manual covers only the portions of your tractor that are different from the Row Crop Tractors and should be used as a supplement to the regular owner's manual included in your owner's envelope.

TRACTOR AND IMPLEMENT OPERATIONS (U.S.)
FORD MOTOR COMPANY
SERVICE DEPARTMENT

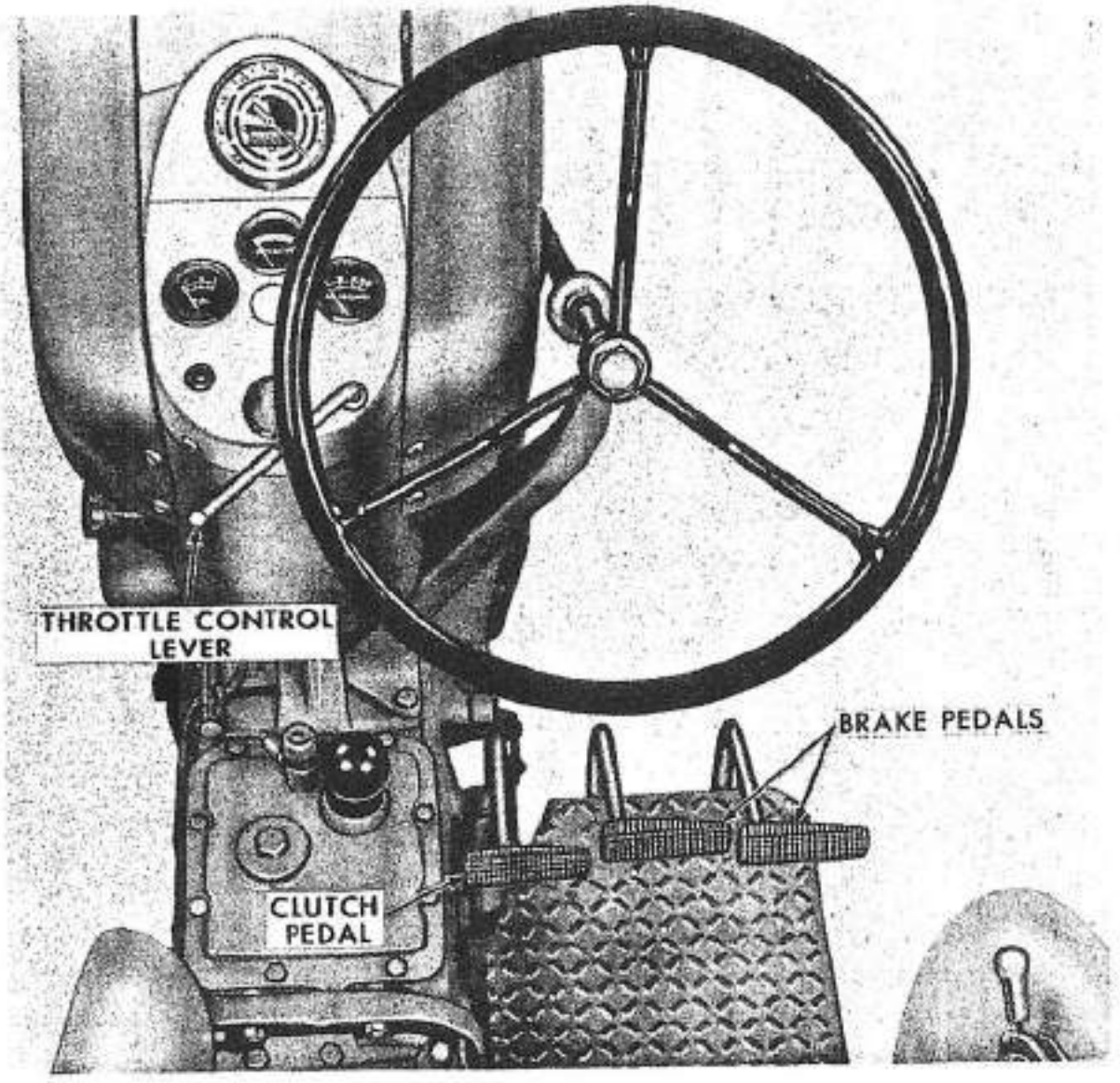


Figure 1
Controls and Instruments

CONTROLS

The throttle control lever, Figure 1, is located on the right side of the instrument panel. Push the lever up to increase the engine speed. On diesel engine equipped tractors, the throttle lever must be pulled all the way down to shut the engine off.

The clutch pedal, brake pedals, brake pedal locks and power take-off lever are located as shown in Figures 1 and 2. The operation of these controls remain the same as described in the owner's manual supplied with your tractor.

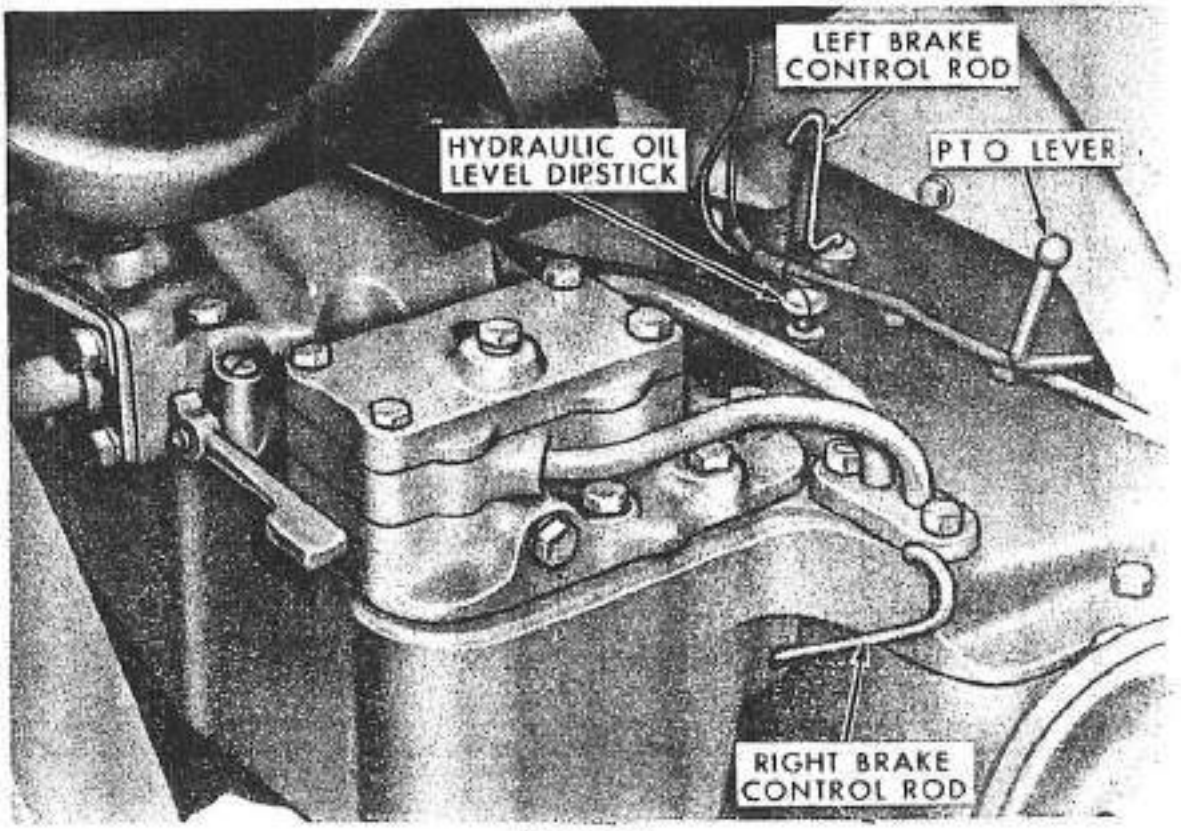


Figure 2
Brake Pedal Locks and P.T.O. Lever

OPERATION

Attaching Implements: Most implements can be easily and quickly attached to the tractor three point linkage. Operation of the lift links, leveling crank and three hole rocker, shown in Figure 3, are the same as described in the owner's manual.

The adjustable top link may be adjusted to suit implement operation requirements by releasing the lock and rotating the sleeve until the desired length is obtained. The standard length of 25 inches (as opposed to 23 inches on the row crop models) is obtained by adjusting the link to the inner grooves marked on the top link. See insert, Figure 3.

Drawbar: The linkage drawbar and drawbar stays, Figure 4, are standard equipment on the offset tractor. Always use the drawbar stays with the linkage drawbar. For added Stability, stabilizer links, Figure 4, are available as an accessory and may be purchased from your Ford Tractor and Implement Dealer.

NOTE: When operating the tractor with the drawbar, lock the lift control lever in the down position to prevent the operator from using the hydraulic system. See insert, Figure 4.

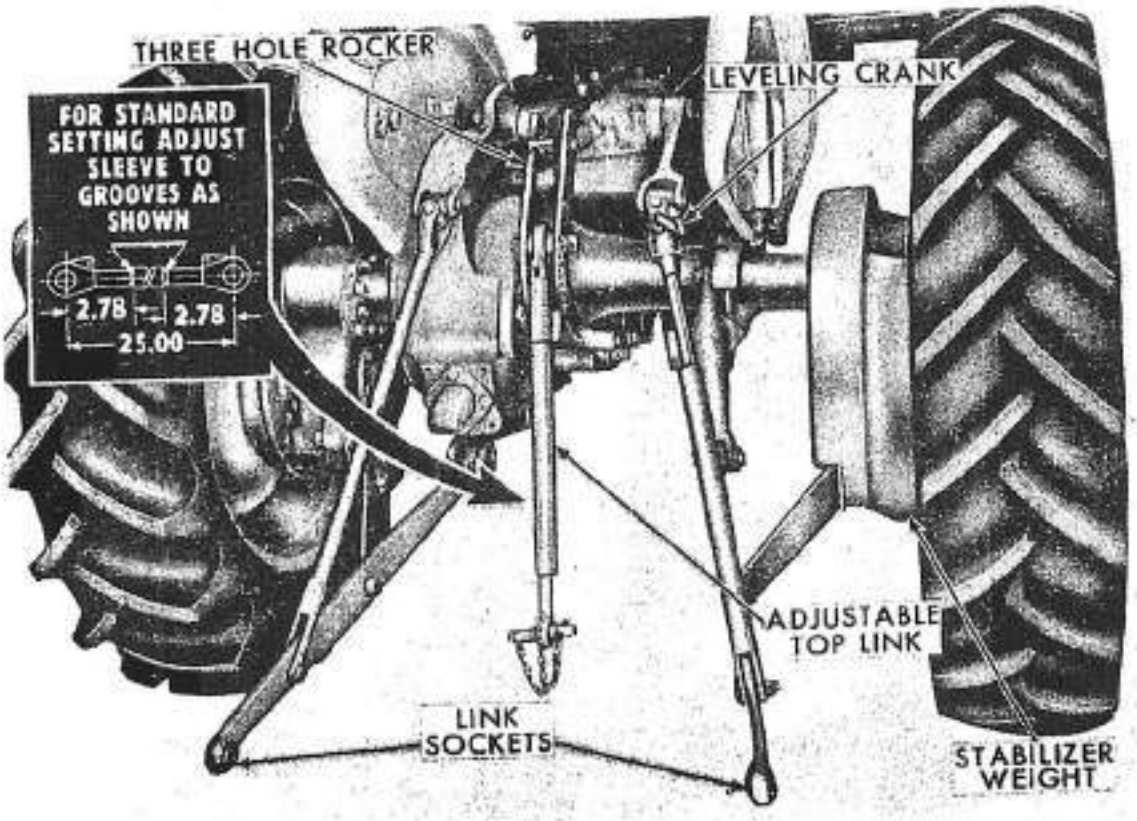


Figure 3
Leveling Crank and Adjustable Top Link

WHEEL TREAD ADJUSTMENT

Front Wheels: The front wheel tread adjustment for the offset tractor can be varied from 40" to 78" in approximately 4" spacings. To change the tread width, place a jack under the forward end of the transmission housing and lift the front wheels off the ground. Adjust the left axle section first, by removing the two hex head bolts (2), Figure 5, that secure the axle half to the center axle. Then, remove the connecting rod square head set screw (3). Position the axle half in or out to obtain the desired spacing. Replace the hex head axle bolts (2), making sure there are at least two holes between each bolt. Do not install or tighten the nuts at this time. Position the right axle half to the desired spacing and install the two bolts (1), shipped in the tool box.

NOTE: *Use the 7/8" – 14 x 4-1/8" bolt, when the tractor right front axle is extended to a point where the bolt passes through two axle sections. The longer bolt, 7/8" – 14 x 5-7/8", should be used when three axle sections are bolted together.*

Install flat washers and nuts and tighten the nuts securely.

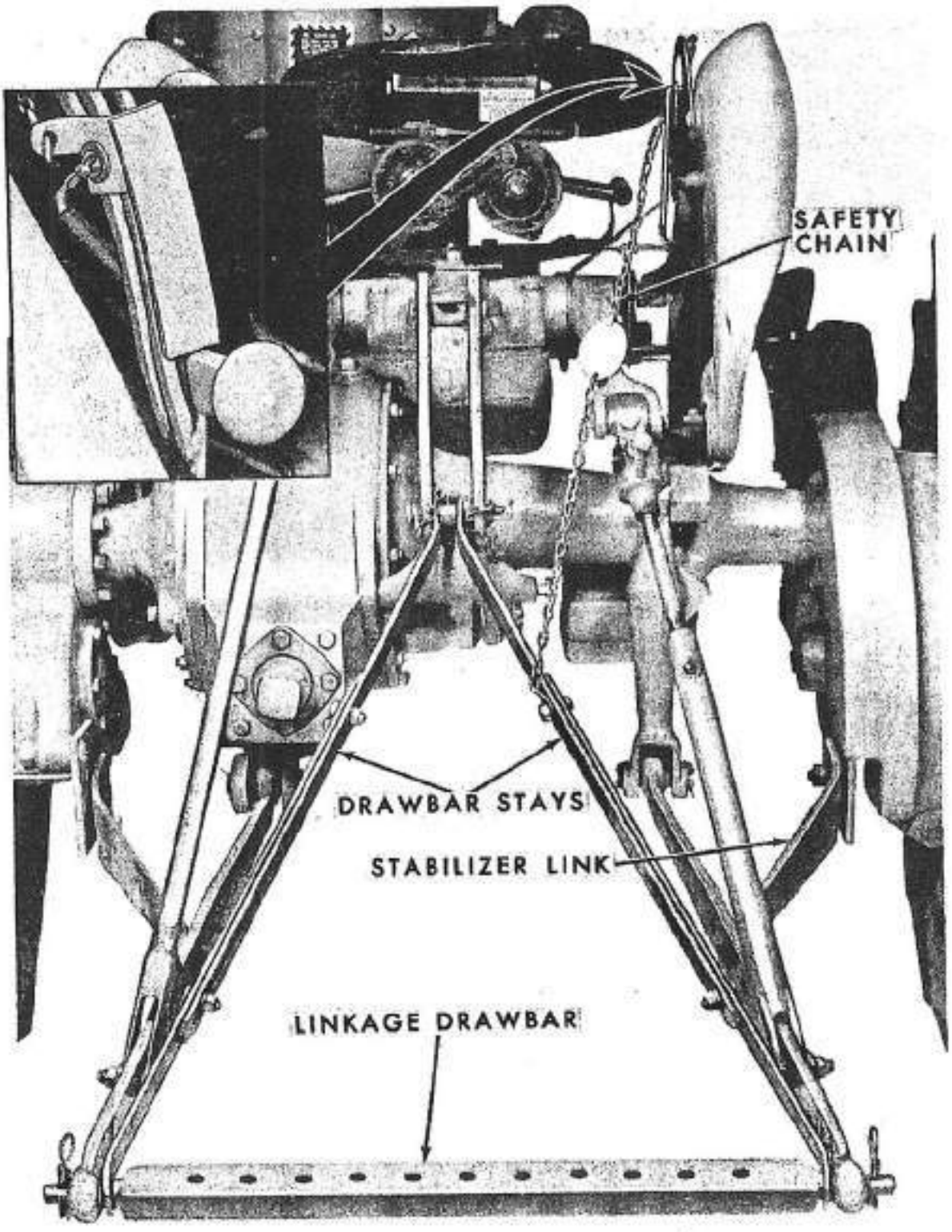


Figure 4
Drawbar Stays and Safety Chain

With the front wheels in the straight ahead position, align the hole in each spindle arm sleeve with the proper dimple in the connecting rod. This is best accomplished by looking through the hole in the sleeve to locate the dimple in the rod. Install the set screw (3), and securely tighten the lock nut.

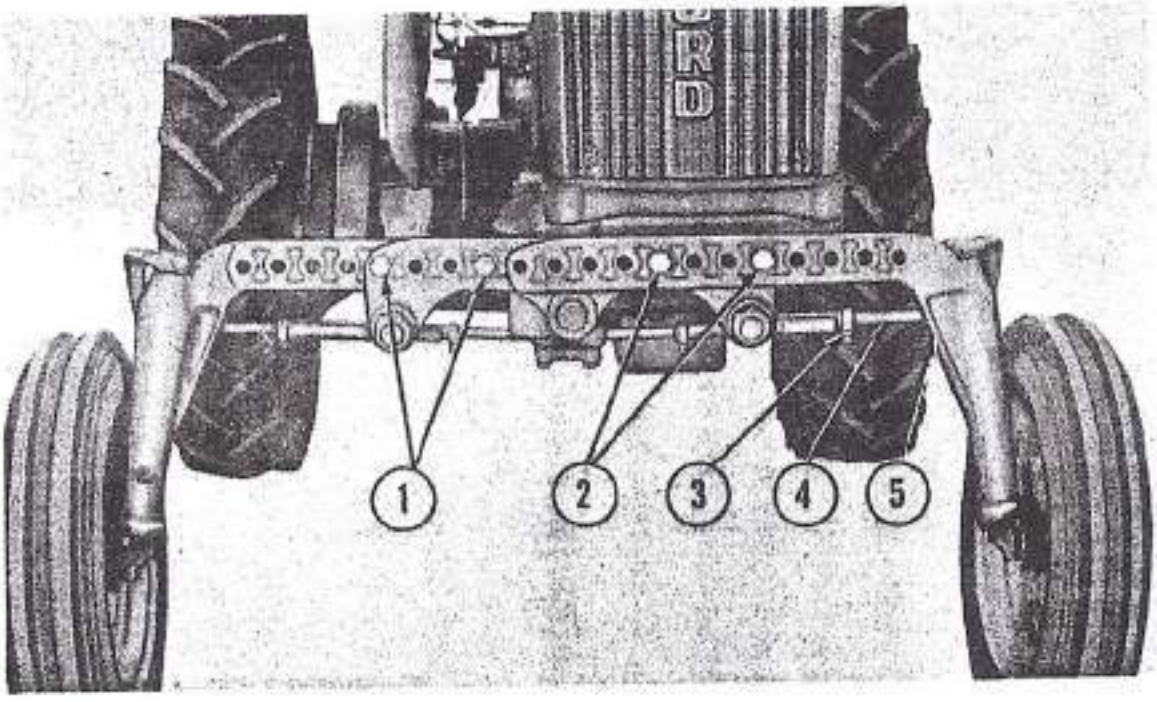


Figure 5
Front Axle Adjustment

An additional wheel spacing of 86" can be obtained by reversing the front wheels at the 78" spacing.

Normally, it will not be necessary to make a toe-in adjustment after changing tread width, but it should be checked after changing tread width.

Rear Wheels: The rear wheels are adjustable from 40 to 68 inches. The 40"tread width can be obtained only when standard 10" tires are used. Tread width settings are made by changing the position of the wheel discs and the rims to any of the positions shown in Figure 6. To change from the 40 inch tread width to the 68 inch width, it is only necessary to change the wheels from one side of the tractor to the other. Three other wheel changes are similar as shown at the top of Figure 6.

NOTE: *Figure 6 shows only one tractor wheel. Additional spacings of 72 and 76 inches can be obtained with the use of 2 inch or 4 inch spacers available from your Ford Tractor and Implement Dealer.*

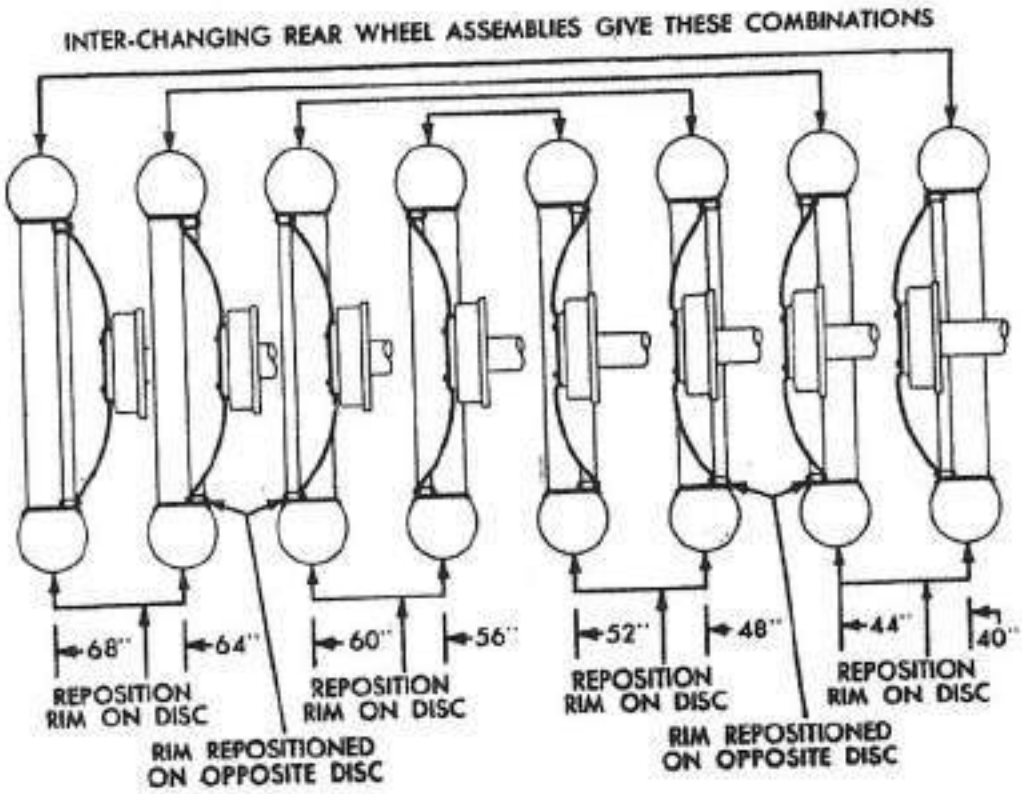


Figure 6
Rear Wheel Tread Adjustments

TOE-IN ADJUSTMENT

Toe-in adjustment is accomplished by loosening the spindle connecting rod clamp bolts (5), Figure 5, and the set screw (3). Lengthen or shorten the connecting rods (4), by turning them. Correct toe-in is obtained when the tread width at the front of the front tires is 1/4" less than the tread width at the rear of the front tires when measured at hub height. When adjusting toe-in, always make certain both rods are the same length by measuring and comparing the rod lengths. Tighten the clamp bolts (5), and set screws (3), securely.

To provide greater stability of the offset tractor, a 300 lb. stabilizer weight, shown in Figure 3, has been added to the right-hand final drive housing. This weight remains on the tractor at all times and need not be removed for making wheel tread adjustments.

Wheel Weight: Liquid ballast or cast iron weights can be used on the offset tractor. The following information should be used in conjunction with the information in the owner's manual.

MAXIMUM CALCIUM CHLORIDE SOLUTION CAPACITIES

(90% Fill)

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(90% Fill)

Size of Tire	12.4 x 28	11.2 x 38
Pounds of Calcium Chloride	165	160
Gallons of Water	33	32
Weight of Solution	440 Lbs.	427 Lbs.
Inflation Pressure	14	12
Maximum Lbs. Tire Load Per Wheel	2070	1820

MAINTENANCE

Clutch Adjustment: To obtain proper operation and for the longest possible clutch life, it is necessary to maintain the recommended clutch pedal height and pedal free travel adjustments. For proper height the clutch pedal should be in line with the brake pedal.

To adjust the pedal height, turn the adjusting screw, shown in Figure 7, out to decrease height or in to increase height.

Pedal free travel is the distance the clutch pedal can be pushed down before resistance is met.

To adjust pedal free travel, loosen the clevis lock nut and turn the clevis in to decrease free travel, or out to increase free travel.

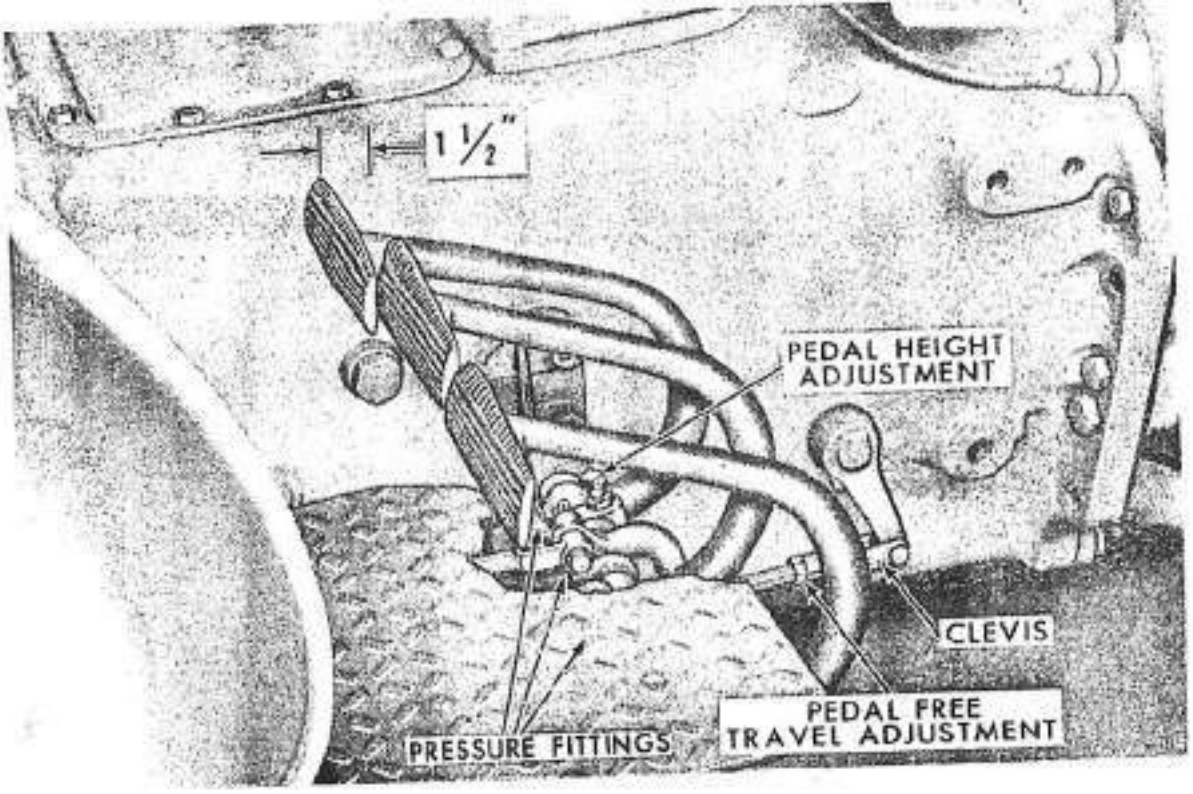

Figure 7
Clutch Pedal Adjustments

Set the pedal free travel at 1½ inches, see Figure 7. Make sure the lock nut is securely tightened after adjusting.

The brake and clutch pedals have pressure-type grease fittings, see Figure 7, which are to be serviced every 100 hours of operation.

BRAKE ADJUSTMENT

Brake adjustment is accomplished in the same manner as covered in the Series 2000 Ford Tractor Owner's Manual. However, in the case of the right rear wheel, it will be necessary to adjust the brake from directly under the stabilizer weight. Due to the space limitation, a short screwdriver will be required. After brakes have been adjusted, adjust the brake pedal arms to contact the step plate, see Figure 7.

Hydraulic System Dipstick: The hydraulic oil level dipstick has been relocated as shown in Figure 2. Check the level of the hydraulic oil on the dipstick daily or after every ten hours of use. Maintain the oil level at the full mark with the proper lubricant as recommended under "SERVICE EVERY 600 HOURS", in your regular owner's manual.

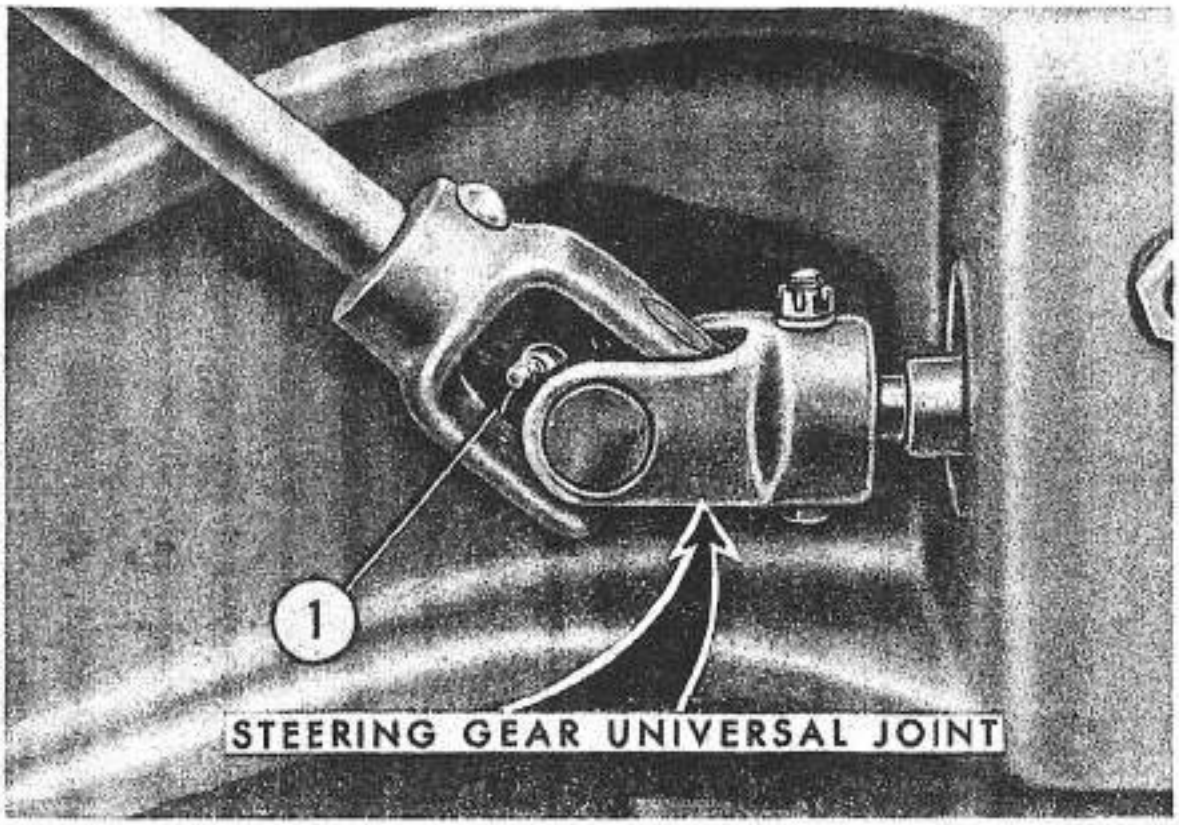

Figure 8
Steering Shaft Support

NOTE: *When checking the hydraulic oil level, be sure all hydraulic cylinders are fully extended.*

The universal joint at the lower end of the steering shaft is equipped with a grease fitting (1), Figure 8. Clean the fitting and apply pressure gun grease after every 100 hours of operation.

SPECIFICATIONS

Wheel Base		89 Inches
Overall Length		140.5
Overall Width at 40" Tread		55.6
Front Tread Width		40 to 78 Inches
Rear Tread Width		40 to 68 Inches
Clearance – Under Belly	Model 21111	19.44 Inches
	Model 21111-4	25.06 Inches
Clearance – Cultivating	Model 21111	25 Inches
	Model 21111-4	29.62 Inches
Turning Space Diameter (with brakes) (48" Wheel Setting)		22.5 Feet
Shipping Weight	Model 21111	3513 Lbs.
	Model 21111-4	3664 Lbs.
Tire Size: Standard – Front		5:50 x 16
Rear –	Model 21111	12.4 x 28
	Model 21111-4	11.2 x 38
Clutch Pedal Free Travel		1-1/2 Inches

NOTE: *The above specifications apply to the offset tractor only. For additional information, refer to your regular owner's manual.*

A careful operator is the best insurance against accidents.

Most accidents that occur on the farm are the result of negligence and carelessness and are usually caused by the failure to follow simple safety rules and precautions. The safety precautions listed on page 2 are suggested to help prevent such accidents.

The Tractor and Implement Division of the Ford Motor Co. being a member of the National Safety Council is privileged to use the Green Cross to denote safety instructions in operator's manuals.

whatever your service needs...
whatever your parts or accessories
requirements...your Ford Tractor
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FORD TRACTOR DIVISION FORD MOTOR COMPANY

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