FORD

OPERATOR'S MANUAL

8700-9700

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Reprinted

FORD 8700/9700 OPERATOR'S MANUAL SUPPLEMENT

GENERAL

New wheel assemblies were incorporated in production on 8700/9700 Ford Tractors to improve retention between the wheel assemblies and axle shafts. They are identifiable by the three adjustable wedge clamp retaining bolts, Figure 1 or 2. Use this supplement with your Ford 8700/9700 Tractor Operator's Manual, SE-3550, if your tractor is equipped with these new rear wheels. This supplement contains information on the correct procedures to use when repositioning the new wedge-type rear wheels to obtain various tread widths and also rear wheel weight bolt torque.

CAUTION: *Never operate tractor with a loose rim, wheel or hub. Always tighten bolts to specified torque and at recommended intervals. Check bolt tightness frequently.*

MANUALLY ADJUSTED REAR WHEELS

The tread width on manually-adjusted rear wheels can be changed by positioning the disc-to-rim clamps, Figure 1, on either side of the disc; by switching rim and tire assemblies from one side of the tractor to the other; or by repositioning the wheel assembly on the axle shaft.

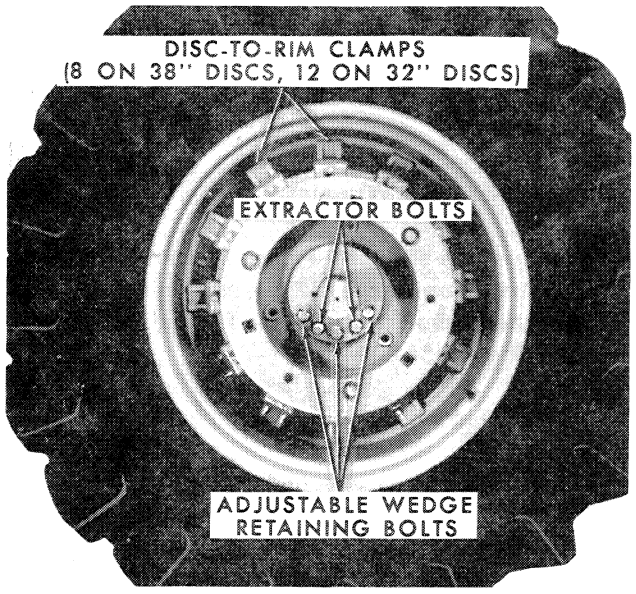


Figure 1
Manual Adjust Wheels, 32-Inch Disc Shown

To Reposition Rims and Rim Clamps:

1. Jack up both sides of the rear axle until the rear tires clear the ground. Support the tractor rear axle securely. Also support the rim and tire assembly.

2. Remove the disc-to-rim clamps, Figure 1, and reposition the rim and clamps as desired.

3. Lightly tighten each clamp bolt until all clamps are seated. Make sure the wheels are centered on the disc.

4. Using a star pattern torque sequence, tighten the clamp bolts alternately in increments of 50 lbs. ft. (68 Nm) until each is tightened 225-275 lbs., ft. (305-373 Nm).

5. Retighten the clamp bolts immediately after traveling approximately 200 yards (182.8 m) and before putting a load on the tractor; after the first hour of operation; and after eight hours of operation. Make periodic checks thereafter.

POWER ADJUSTED REAR WHEELS

The tread width on power adjusted rear wheels can be changed by power adjusting the rims forward or backward on the rim clamps, Figure 2; by placing the rim clamps on the inside or outside of the disc; or by sliding the disc assembly inward or outward on the axle shaft.

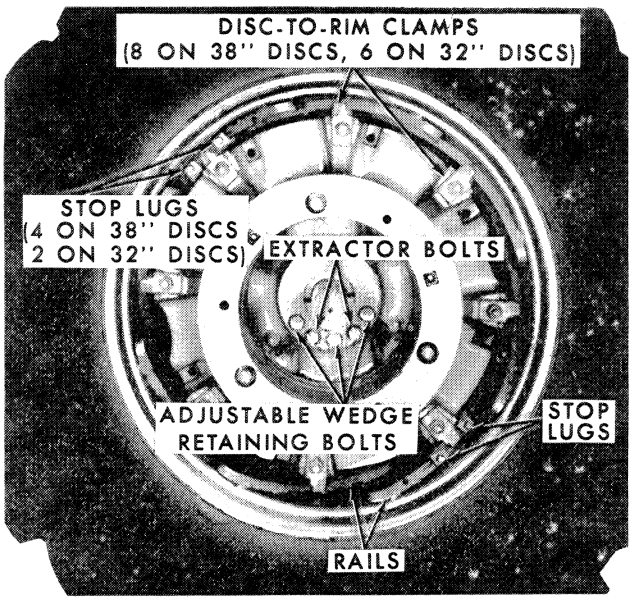


Figure 2
Power Adjust Wheels, 38-Inch Disc Shown

To Power Adjust the Wheels:

1. Remove one stop lug, Figure 2, from both rails and reposition on the rail in a position which will give the desired tread width. Tighten each stop 25-40 lbs. ft. (34-54 Nm).

   NOTE: *Each hole in the rail gives a 2-inch (51 mm) change in tread width per wheel. If the wheel is to be adjusted to the minimum or maximum tread width, remove the stop lug, as the rail will serve as a stop.*

2. Loosen the clamp nuts on all of the disc-to-rim clamp attaching bolts.

   IMPORTANT: *When power adjusting the wheels inward, make sure that the wheel will not move inward too far and damage the cab or flatdeck fenderwells.*

3. To power adjust the left wheel in or out:

   - Depress the clutch pedal, start the engine, shift to a low forward gear if the wheel is to be moved out, and a low reverse gear if the wheel is to be moved in.
   - Depress and hold the right brake pedal.
   - With the engine speed at idle, ease the clutch pedal up, then immediately push it down when the clamp strikes the repositioned stop lug or the end of the rail.

4. To power adjust the right wheel in or out:

   - Depress the clutch pedal, start the engine, shift to a low forward gear if the wheel is to be moved in, and a low reverse gear if the wheel is to be moved out.
   - Depress and hold the left brake pedal.
   - With the engine speed at idle, ease the clutch pedal up, then immediately push it down when the clamp strikes the repositioned stop lug or the end of the rail.

5. Install the remaining stop lugs next to the repositioned clamps and tighten their attaching screws 25-40 lbs. ft. (34-54 Nm).

6. Lightly tighten each clamp bolt until all clamps are seated. Make sure the wheels are centered on the disc.

7. Using a star pattern torque sequence, tighten the clamp bolts alternately in increments of 50 lbs. ft. (68 Nm) until each is tightened 170-200 lbs. ft. (230-271 Nm).

8. Retighten the clamp bolts immediately after traveling approximately 200 yards (182.8 m) and before putting a load on the tractor; after the first hour of operation; and after 8 hours of operation. make periodic checks thereafter.

Repositioning Disc-To-Rim Clamps:

NOTE: *Repositioning disc-to-rim clamps available on 38-inch discs only.*

1. Power adjust the wheel as in the above procedure so that the disc is centered in the wheel.

2. Move the top four disc-to-rim clamps to the other side of the disc and tighten the clamp bolts just enough to hold the clamps in position on the disc.

3. Drive the tractor ahead until the remaining disc-to-rim clamps are at the top of the wheel and move them to the other side of the disc.

4. Power adjust the wheel to the position desired as outlined above in "To Power Adjust the Wheel".

REPOSITIONING DISCS ON AXLES — BOTH MANUAL AND POWER ADJUST WHEELS

1. Jack up both sides of the rear axle until the rear tires clear the ground. Support the tractor rear axle securely.

2. Turn the wheel assembly so that the adjustable wedge retaining bolts, Figure 1 or 2, are beneath the axle shaft as shown.

3. Loosen the three adjustable wedge bolts about 1-3/4 - 2 inches (44-51 mm).

4. Loosen the adjustable wedge by tightening the two extractor bolts alternately in 50 lbs. ft. (68 Nm) increments until the wedge loosens. Position the wheel assembly on the axle shaft as desired.

   IMPORTANT: *Do not use a torque greater than 300 lbs. ft. (407 Nm) on the extractor bolts. If the wedge is difficult to loosen, strike the end of the axle shaft with a hammer to "shock" the wedge free. Use a shaft protector and take precautions against possible flying metal particles. Soaking the wedges with penetrating oil will also help loosen them. DO NOT hit the three adjustable wedge bolts when loosening the wedge since this may result in damage to the wedge.*

5. With the wheel assembly set at the desired position on the axle shaft, back out the two extractor bolts until their stops are contacted.

6. Tighten the three adjustable wedge retaining bolts alternately in 50 lbs. ft. (68 Nm) increments until a final torque of 275-300 lbs. ft. (373-407 Nm) is obtained. Check and retighten the retaining bolts after traveling approximately 200 yards (182.8 m) and before putting a load on the tractor; after the first hour of operation; and after eight hours of operation. Thereafter, check the torque periodically.

REAR WHEEL WEIGHTS

When installing rear wheel weights on the tractor, tighten all rear wheel weight attaching bolts 110-135 lbs. ft. (150-183 Nm).

FOREWORD

DEAR CUSTOMER – PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING YOUR TRACTOR AND KEEP IT IN A CONVENIENT LOCATION FOR FUTURE REFERENCE.

This manual has been developed to assist you in understanding how to operate and maintain your Ford Tractor. It contains a list of safety precautions, a discussion of the controls and instruments, procedures for operating the tractor, a maintenance schedule, a brief troubleshooting section, and a specification section. The manual also contains a list of pre-delivery and 50 hour checks which will be performed by your Ford Tractor-Equipment Dealer.

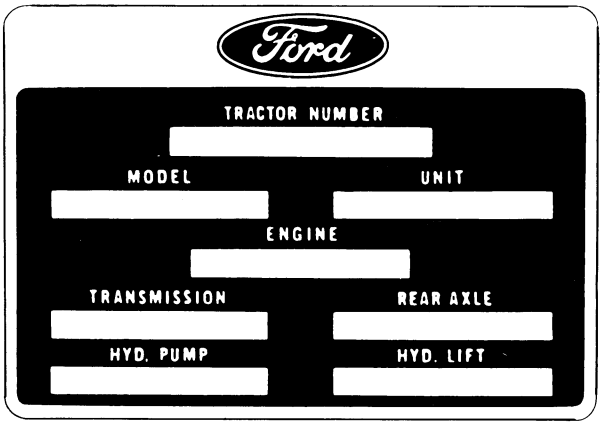
Your Ford Tractor was carefully inspected by the factory and by your Ford Tractor-Equipment Dealer to be certain that it is ready to go. Follow the break-in, operation, and maintenance instructions to keep it in this "ready to go" condition.

The complete list of pre-delivery checks made by your dealer is on pages 89 and 91. Both copies should be completed and signed by you and the dealer. Retain the copy on page 89. Your dealer will keep the copy on page 91.

At or shortly after fifty hours operation, take your tractor and this manual to your dealer. He will perform the fifty hour checks listed on pages 89 and 91 without charge, except for lubricants or filters which are replaced as part of normal maintenance. Both copies of the 50 hour checks should be completed; the dealer retains the copy on page 91 and you retain the copy on page 89.

The warranty coverage on your Ford Tractor is explained in the Warranty and Limitation of Liability, Ford Tractors and Equipment Form. Your dealer will provide you with a copy of the form and retain a copy which you have signed. Read the warranty and ask your dealer to explain any point which you do not understand.

A vehicle identification plate is located on the under side of the radiator filler cap access door. The numbers on the identification plate and the information listed below are important if your tractor requires service in the future. For your convenience have the dealer record the information in the spaces below.



Delivery Date

Owner's Name

Owner's Address

Ford Tractor-Equipment Dealer

Dealer's Address

INTERNATIONAL SYMBOLS

As a guide to the operation of your tractor, various international symbols have been utilized on the instruments and controls. The symbols are shown below with an indication of their meaning.


Engine speed (rev/min x 100)


Hours recorded


Engine water temperature


Fuel level


Fuel cut-off


Lights


Horn


Engine oil pressure


Air filter


Alternator charge


Heater temperature control


Air conditioner temperature control


Fan


Wipe/wash control


Power take-off (on)


Power take-off (off)


'Tortoise', slow or minimum setting


'Hare', fast or maximum setting


Caution

CONTENTS

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