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MODEL:

4320 Diesel

MANUAL PREVIEW

OPERATOR'S
MANUAL



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TRACTOR**

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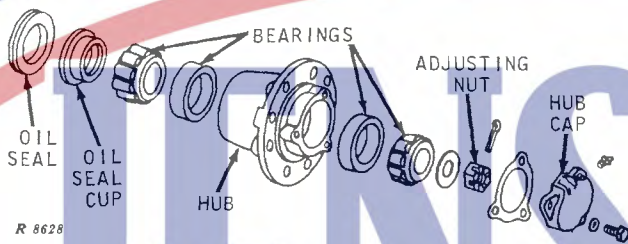
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engine has stopped. If not, the accumulator could have lost some of its precharge of dry nitrogen at 500 psi. When this occurs, the accumulator must be recharged. See your John Deere dealer for this service.

FRONT WHEEL BEARINGS

The front wheels of your tractor are carried on roller bearings. Check the front wheels periodically for bearing end play. Clean and pack the front wheel bearings at the end of every 1200 hours of operation, or after the tractor has been operated in extremely wet and muddy conditions.

Adjusting Bearings



Front Wheel Bearings (Double Front Wheel, Roll-O-Matic, or Wide Front Axle)

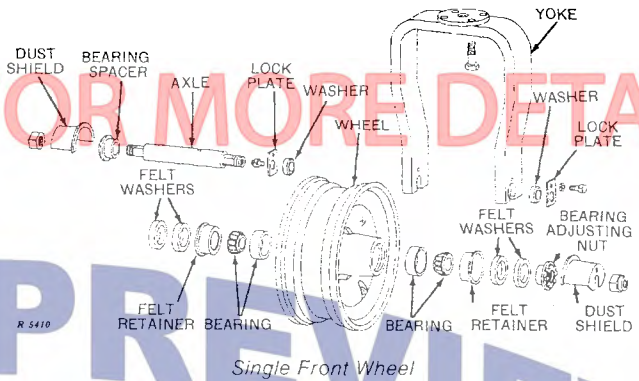
To adjust the bearings, remove the hub cap and cotter pin. Draw the adjusting nut up until a slight drag is felt when the wheel is rotated. If the adjusting nut has to be turned three or four castellations, remove the wheel and inspect the bearings.

After the adjusting nut is drawn tight, back it off to insert the cotter pin in the first hole. If one hole is aligned with a slot when the nut is tightened, back the nut off to align the second hole with the nearest slot. Both front wheels must be adjusted in the same manner.

If the tractor has a single front wheel, back off the bearing lock plate screw and the axle nut. Then tighten the bearing adjusting nut until a slight drag is felt when the wheel is rotated. Back the nut off to the



Adjusting Single Front Wheel Bearing



Single Front Wheel

closest notch and tighten the lock plate screw. Tighten the axle nut. Bend the corner of the lock plate against the axle nut.

Cleaning and Packing Bearings

Disassemble and clean all parts of the hub and spindle. Inspect the bearings and replace them if they are worn. If three deep grooves are worn in the seal cup, have the oil seal and oil seal cup replaced.

Pack the bearings with wheel bearing grease. Pack the oil seal lips with SAE multipurpose-type grease. Install the wheels and adjust the front wheel bearings.

TIRES

Check the tires for air inflation (page 16) every 200 hours of operation, or whenever necessary, and inspect them for possible cuts or breaks that may expose the tire fabric. To prevent further damage, repair the cuts or breaks.

Protect the tires from exposure to oil, grease, fuel, bright sunlight, and chemicals (including those used for dusting and spraying). Careless driving over sharp objects shortens tire life.

ROLL-GARD

When installing a Roll-Gard, tighten the bolts with sufficient torque to hold the lower plate evenly against both axle housings. Then in a diagonal sequence, tighten the bolts to 50 ft-lbs torque. Retighten the bolts in the same sequence to 300 ft-lbs torque (60 ft-lbs torque if equipped with a cab). After a few hours service, RETIGHTEN the cap screws on tractors without a cab and keep them tight.

CAUTION: A tractor roll-over may place a severe stress on the Roll-Gard structure. Therefore, re-use of the Roll-Gard is not recommended if its upright beams, cross-bar or attaching parts have been bent, buckled or stretched.

BRAKES Hydraulically power actuated,
disk-type operating in oil

ELECTRICAL SYSTEM:

Type 12-volt, negative grounded

Batteries... Two, 6-volt, 75-plate 172-ampere-
hour, 3 EH type, connected in series

Alternator 12-volt, 55-amp; with
air conditioner-12-volt, 72-amp

FRONT TIRES* 7.50-15

REAR TIRES* 20.8-34

FRONT WHEEL TREAD 50.8 to 79.9 in.

REAR WHEEL TREAD:

18.4-38 tire, regular axle 60 to 91 in.

GROUND SPEEDS See page 9

DIMENSIONS:

Wheel base 106.5 in.

Over-all length 159.3 in.

Over-all height 107 in.

Height to steering wheel 81.4 in.

Over-all width 89.6 in.

Turning radius 151 in.

(Specifications and design subject to change without notice.)

TRACTOR CAB:

Blower capacity 560 cfm

Heater capacity 22,000 btu/hr

Exterior width At roof—50.1 in.

At fender—67.4 in.

Exterior cab height To roof—105.2 in.

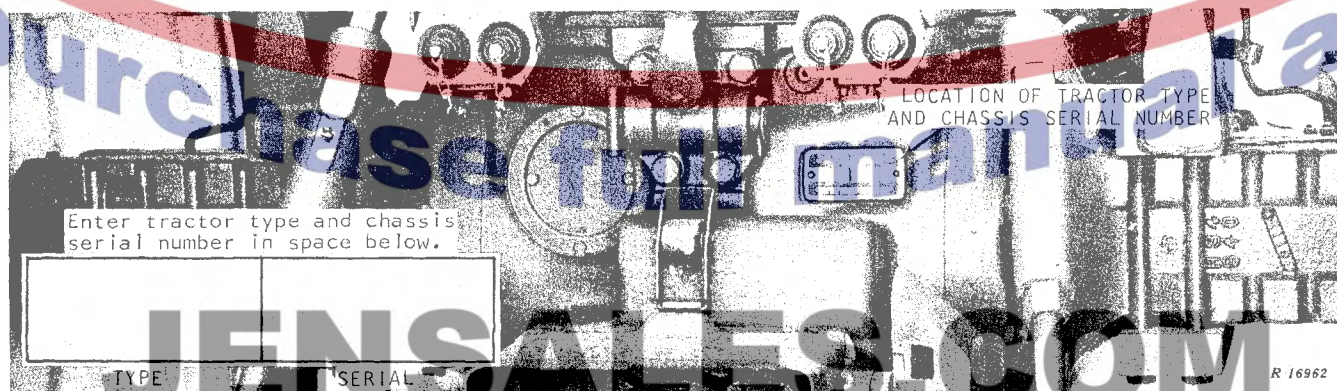
To condenser housing—112.9 in.

SHIPPING WEIGHT (With equipment for average
field service, less fuel and ballast). Add 385 lbs. if
equipped with Roll-Gard. Add approximately 1000
lbs. if equipped with Power Front-Wheel Drive.

Row-Crop 9,050 lbs.

Standard 9,070 lbs.

* 6-ply rating. Additional tire sizes and ply rating
available.



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