

John Deere

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MODEL:

440 Diesel

Industrial Crawler

MANUAL PREVIEW

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REGARDING OPERATION, LUBRICATION AND SERVICE**



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Right-Hand View of John Deere "440" Industrial Crawler Diesel Tractor

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TRACK EQUIPMENT:

Choice of 10-in., 12-in., or 14-in. grouser; 12-in. or 14-in. snow; 10-in. rubber; 10-in. street; and 12-in. all-purpose.

48-Inch Track Tread.

Five-Roller Track Frame with Upper Idler.

Rock Guards—Regular.

Sprocket Shields—Optional.

Length of Track on Ground—69-1/4 inches.

Area of Ground Contact, Five-Roller—

10-Inch Shoe 1,385 sq. in.

12-Inch Shoe 1,662 sq. in.

14-Inch Shoe 1,939 sq. in.

Ground Pressure—4.5 psi at operating weight with 10-inch shoes.

DIMENSIONS:

Over-All Length 106-1/2 in.

Over-All Width 61-1/8 in. (Over idler brackets outside of 12-in. shoes.)

Height (To Top of Grille) 50-1/2 in.

Clearance (At Rear Crossbar) 12-15/16 in.

Turning Radius 78 in.

POWERSHAFT:

Extra equipment. Revolutions per minute, 560.

BELT PULLEY:

Extra equipment. Diameter, 9 inches; face, 6 inches; revolutions per minute, 1,270; belt speed (feet per minute), 3,000.

DRAWBAR:

Swinging; conforms to ASAE-SAE standard PTO position for wheel tractors. 18-inch lateral movement at pin.

SHIPPING WEIGHT:

Approx. 6,300 pounds.

STANDARD EQUIPMENT:

Ammeter, oil pressure and water temperature gauges; fuel and oil filters, air cleaner, electric starter, key switch, battery and generator, cushioned adjustable seat, swinging drawbar, fenders, front bottom plate, rock guards. Provision for continuous-running ASAE-SAE standard power take-off.

EXTRA EQUIPMENT:

Belt pulley, electric lighting with implement warning light, plug-in socket, and instrument panel light, electric hour meter, rear bottom plate, front hitch, ASAE-SAE standard powershaft stub shaft, outer sprocket shields, five-speed transmission, direction reverser, wide seat, deluxe seat, seat side arm cushions, horizontal muffler, 3-point hitch, single and double hydraulic systems, calks for flat shoes, hydraulic track tension adjuster, snow sprockets.

3-POINT HITCH

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- A — Control Levers
- B — Remote Hydraulic Cylinder
- C — Lift Arms
- D — Lift Links
- E — Draft Links
- F — Sway Chains

- G — Drawbar
- H — Leveling Crank Lock
- I — Leveling Crank
- J — Turnbuckle
- K — Upper Link

DESCRIPTION

Your "440" Crawler Tractor may be equipped with a 3-point hitch to which a wide variety of 3-point hitch implements can be attached. The hitch is actuated through the rockshaft by the tractor remote hydraulic cylinder.

Two classes of implements are available for use with tractor having a 3-point hitch. These imple-

ments are classified as Category 1 or Category 2 depending on dimensions of the attaching points.

Category 1 implements have 26-7/8 inches between shoulders of hitch pins which are 7/8-inch in diameter. Implements in this category also have 1-3/4 inches between inside surface of mast and a 3/4-inch diameter hole at mast attaching point.

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STEERING CLUTCH, BRAKE, AND FOOT BRAKE DESCRIPTION.

The multiple dry disk steering clutches on the "440" Tractor require no adjustment other than positioning the clutch throw-out bearing. There is an individual steering clutch in each track assembly for disengaging power to either right or left track for turning.

The adjustable band-type internal contracting steering brakes on this tractor have been designed and tested to insure maximum service before any adjustment is required by the operator. Steering control levers provide individual control of each brake for making short turns. By pulling back on right or left steering control lever, power is disengaged to each respective track and steering brake is applied.

A foot brake operates both brakes simultaneously for a quick safe stop. A brake lock located on right footrest locks foot brake, holding tractor in place for belt work or when parking.

ADJUSTMENT.

The clutches and brakes, as well as their linkage, are so related in their operation that the adjustments must be made in a certain order. For that reason it is very important that the adjustments be made exactly as explained on the following pages.

(1) Adjust Steering Lever Free Travel.

Remove top cover and gasket from top of steering clutch housing. Remove clutch adjusting access plug from front side of steering clutch housing.



Clutch Adjusting Opening and Top Cover

Insert speed wrench with universal joint and 1/2-inch socket in clutch adjusting opening. Sight through hole in top of housing and, after engaging wrench on throw-out bearing[®] cap screw, loosen cap screw. *NOTE: If difficulty is encountered in fitting socket on cap screw, rotate clutch assembly slightly to give more clearance.*



Adjusting Free Travel

Loosen lock nut on brake adjusting set screw. Back off set screw until it is flush with bottom of lever rocker arm.

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