

PA600 SERIES PLANTING ATTACHMENTS



JOHN DEERE

OPERATORS MANUAL PA600 SERIES PLANTING ATTACHMENTS

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YOUR NEW PLANTING ATTACHMENT

Behind your new planting attachment is an organization that has designed and built farm implements for over 120 years. This planting attachment was built in a John Deere factory by experienced men, many who have worked in this large plant for from ten to forty-five years, thus assuring the utmost in good design, high-grade workmanship, and thorough inspection, so essential to the production of good implements.

High-quality materials, precision production methods, and accurately-controlled heat-treating assure maximum strength and long life for every part.

This manual has been carefully prepared and illustrated so you may make the necessary adjustments for adapting your planting attachment to work properly in practically all types of soil and field conditions. These adjustments, such as row spacings, proper penetration, etc., are fully covered in this manual.

Occasionally your planting attachment may need new parts to replace worn parts, or require emergency service not covered in this manual. If so, we suggest that you take ad-

vantage of the facilities offered by your John Deere dealer, which assure you of genuine John Deere Parts and prompt "know-how" service in the field or in the shop.

If you will furnish your dealer with the information which should be recorded at the bottom of this page, when the planting attachment is delivered, he can give you prompt and efficient service.



Study this manual carefully. Keep it handy, in a safe place, for future reference.

JOHN DEERE PA600 SERIES PLANTING ATTACHMENTS

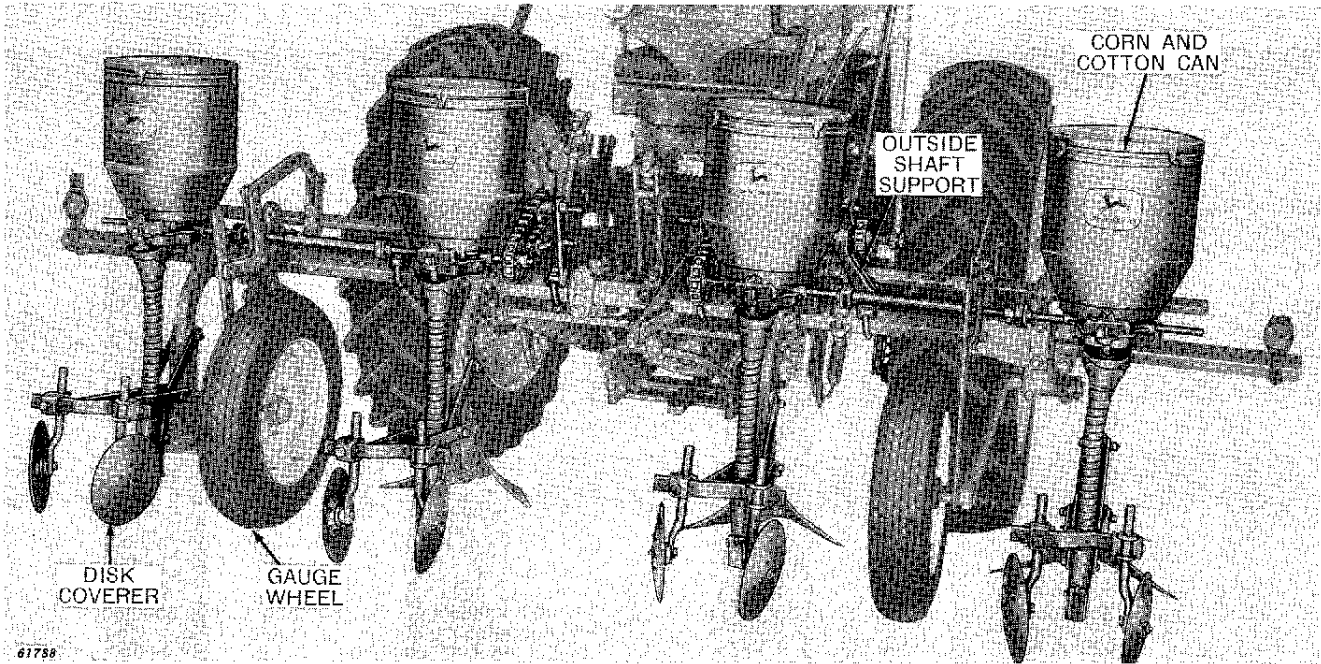
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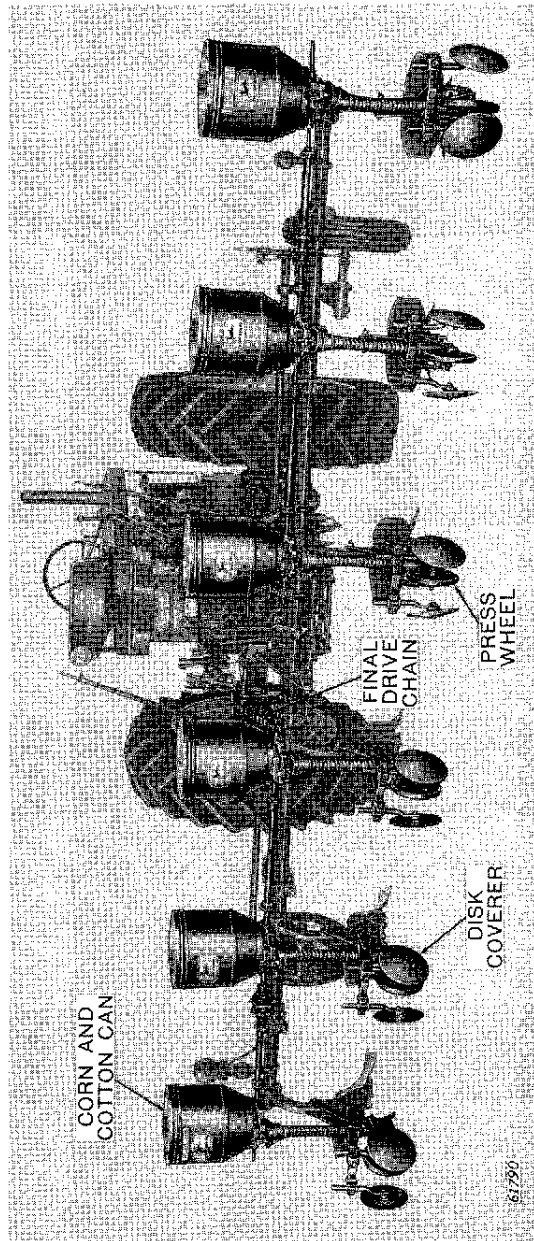
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**PA614 Four-Row Tractor-Axle-Driven Planting Attachment on 870 Bedder—
Set for 36-Inch Rows with Gauge Wheels to Rear**



***PA644 Six-Row Tractor-Axle-Driven Planting Attachment on 870 Bedder—
Set for 40-Inch Rows***

SPECIFICATIONS

TYPES . . PA600 SERIES TWO-ROW TRACTOR-AXLE-DRIVEN PLANTING ATTACHMENTS

PA604—with Corn and Cotton Cans, Disk Coverers, and Lister Bottoms or Sweeps

PA605—with Corn and Cotton Cans, Disk Coverers, and Loose Ground Openers

PA606—with Corn and Cotton Cans, Disk Coverers, and Hard Ground Openers

PA610 SERIES FOUR-ROW TRACTOR-AXLE-DRIVEN PLANTING ATTACHMENTS

PA614—with Corn and Cotton Cans, Disk Coverers, and Lister Bottoms or Sweeps

PA615—with Corn and Cotton Cans, Disk Coverers, and Loose Ground Openers

PA616—with Corn and Cotton Cans, Disk Coverers, and Hard Ground Openers

PA630 SERIES FOUR-ROW GAUGE-WHEEL-DRIVEN PLANTING ATTACHMENTS

PA631—with Corn Cans, Disk Coverers, and Loose Ground Openers

PA632—with Corn Cans, Disk Coverers, and Hard Ground Openers

PA633—with Corn Cans, Disk Coverers, and Lister Bottoms

PA634—with Corn and Cotton Cans, Disk Coverers, and Lister Bottoms

PA635—with Corn and Cotton Cans, Disk Coverers, and Loose Ground Openers

PA636—with Corn and Cotton Cans, Disk Coverers, and Hard Ground Openers

PA640 SERIES SIX-ROW TRACTOR-AXLE-DRIVEN PLANTING ATTACHMENTS

PA644—with Corn and Cotton Cans, Disk Coverers, and Lister Bottoms or Sweeps

PA645—with Corn and Cotton Cans, Disk Coverers, and Loose Ground Openers

PA646—with Corn and Cotton Cans, Disk Coverers, and Hard Ground Openers

PA650 SERIES SIX-ROW GAUGE-WHEEL-DRIVEN PLANTING ATTACHMENTS

PA651—with Corn Cans, Disk Coverers, and Loose Ground Openers

PA652—with Corn Cans, Disk Coverers, and Hard Ground Openers

PA653—with Corn Cans and Lister Bottoms or Sweeps

PA654—with Corn and Cotton Cans, Disk Coverers, and Lister Bottoms or Sweeps

PA655—with Corn and Cotton Cans, Disk Coverers, and Loose Ground Openers

PA656—with Corn and Cotton Cans, Disk Coverers, and Hard Ground Openers

| | |
|------------------------------------|--|
| ROW SPACING | Two- and Four-Row Planting Attachments: 36- to 42-inch rows. Six-Row Planting Attachments: 36- to 40-inch rows. |
| TYPE OF DRIVE | PA600-PA610 Series, Tractor-Axle Driven. PA630 Series, Gauge-Wheel Driven. PA640 Series, Tractor-Axle Driven. PA650 Series, Gauge-Wheel Driven. |
| DEPTH CONTROL | Gauge-Wheel Controlled. |
| LIFT | Hydraulically Controlled by Tractor Rockshaft-Control Lever. |
| RUBBER PRESS WHEEL | 10 x 1-inch, available on order. |
| SHOVEL COVERERS | Available on order in lieu of Disk Coverers. |
| KNIFE COVERERS | Available on order in lieu of Disk Coverers. |
| UNSHELLED PEANUT ATTACHMENT | Available on order. |
| SMALL SEED ATTACHMENT .. | Available on order. |
| No. 2 PRESS WHEEL ATTACHMENT | Available on order for PA631, PA633, PA651, and PA653 Planting Attachments. |

(Specifications and design subject to change without notice.)

NOTE: When terms "right" or "left" are used, it means from a position behind the planting attachment and looking toward the front.

OPERATION

DESCRIPTION

The John Deere PA600 Series Planting Attachments, especially designed for the 870 Series Bedders, are available as two-row axle drive, or four- and six-row with either tractor-axle or gauge-wheel drives.

These planting attachments have short straight-line tubes to prevent bunching of seed, and disk covers to assure uniform depth of soil over the seed. They will plant either in the furrow or on top of beds.

The gauge-wheel drive assures uniform rate of planting even though

soil conditions cause tractor wheel slippage.

The planting attachment and bedder bar are fully tractor-carried when lifted but ride on gauge wheels when working, giving ample flexibility to follow ground contours.

Double-bar construction of the 870 Series Bedders permits use of extra rear bars so you can remove the rear bar and leave the planting units in place when not in use without disturbing row spacing and other adjustments.

PREPARING AND ADJUSTING JOHN DEERE TRACTORS

Refer to your Tractor Operator's Manual for complete tractor operating instructions, tire inflation pressure, and use of rear-mounted integral implements.

Refer to your Operator's Manual on the 870 Series Bedder for complete operating instructions on the bedder, and instructions on preparing the tractor.

REAR WHEEL SETTING

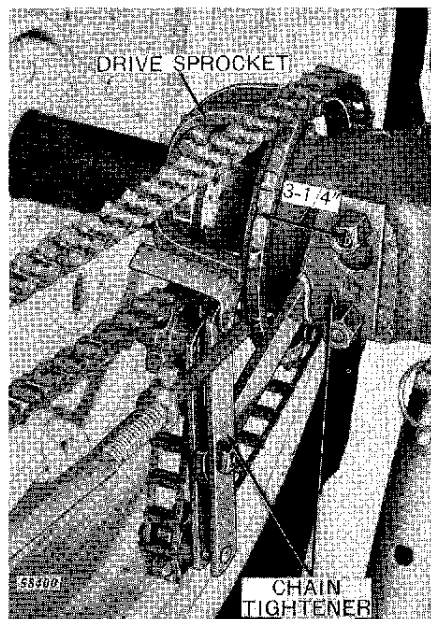
Set the rear wheels of the tractor to conform to the row spacing of the planting attachment. For four- and six-row operation set rear wheels double the row spacing desired, measuring from center-to-center of tires.

FRONT WHEEL SETTING

On wide-front-axle tractors set front wheels to conform to rear wheel setting.

DRIVE SPROCKETS AND CHAIN TIGHTENERS

When preparing the tractor for use with a two-row planting attachment that has a tractor-axle drive, attach the drive sprockets and chain tighteners to the rear axle on the right-hand side.



Drive Sprockets and Chain Tighteners

When preparing the tractor for use with a four- or six-row planting attachment that has a tractor-axle drive, attach the drive sprockets and chain tighteners to the rear axle on both the right- and left-hand sides.

Position the drive sprockets so the center line of teeth is 3-1/4 inches from the outer studs on the axle housing. Two sets of shims are furnished with the sprocket. Use the thick shims (25293A—.1875-inch thick) on the "520" and "50" Series Tractors and use the thin shims (30969A—.060-inch thick) on the "620," "720," "60," and "70" Series Tractors. The lock straps fit into the keyed or splined axles, preventing the sprocket from rotating on the axle.

Attach the chain tighteners to the two outside studs on the rear axle housing of the tractor.

FRONT END WEIGHTING

When PA600 Series Planting Attachments are used on the 870 Bedder, additional front end weights must be added to the tractor for stability when transporting.

The following table gives recommended front end weighting for two-, four-, and six-row planting attachments.

FRONT END WEIGHTING

| | Total Added Front Weight Required for Transport Stability | | |
|---------------------------------------|--|----------|-----------------|
| | Two-Row | Four-Row | Six-Row |
| "520" Series Tractors: | | | |
| Single Front Wheel | 0 | 660 | Not Recommended |
| Dual Front Wheel with Roll-O-Matic | 0 | 615 | Not Recommended |
| Dual Front Wheel without Roll-O-Matic | 0 | 665 | Not Recommended |
| Adjustable Front Wheels | 0 | 355 | Not Recommended |
| "620" Series Tractors: | | | |
| Single Front Wheel | 0 | 190 | Not Recommended |
| Dual Front Wheel with Roll-O-Matic | 0 | 160 | Not Recommended |
| Dual Front Wheel without Roll-O-Matic | 0 | 210 | Not Recommended |
| Adjustable Front Wheels | 0 | 0 | Not Recommended |
| "720" Gas or LP Tractors: | | | |
| Single Front Wheel | 0 | 100 | 945 |
| Dual Front Wheel with Roll-O-Matic | 0 | 0 | 865 |
| Dual Front Wheel without Roll-O-Matic | 0 | 0 | 915 |
| Adjustable Front Wheels | 0 | 0 | 735 |
| "720" Diesel Tractors: | | | |
| Single Front Wheel | 0 | 0 | 825 |
| Dual Front Wheel with Roll-O-Matic | 0 | 0 | 745 |
| Dual Front Wheel without Roll-O-Matic | 0 | 0 | 795 |
| Adjustable Front Wheels | 0 | 0 | 615 |

NOTE: Use of the above combinations of bedder, tractor, and planting attachments will require added front end weight in excess of factory-manufactured front frame weights and front tire liquid.

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