

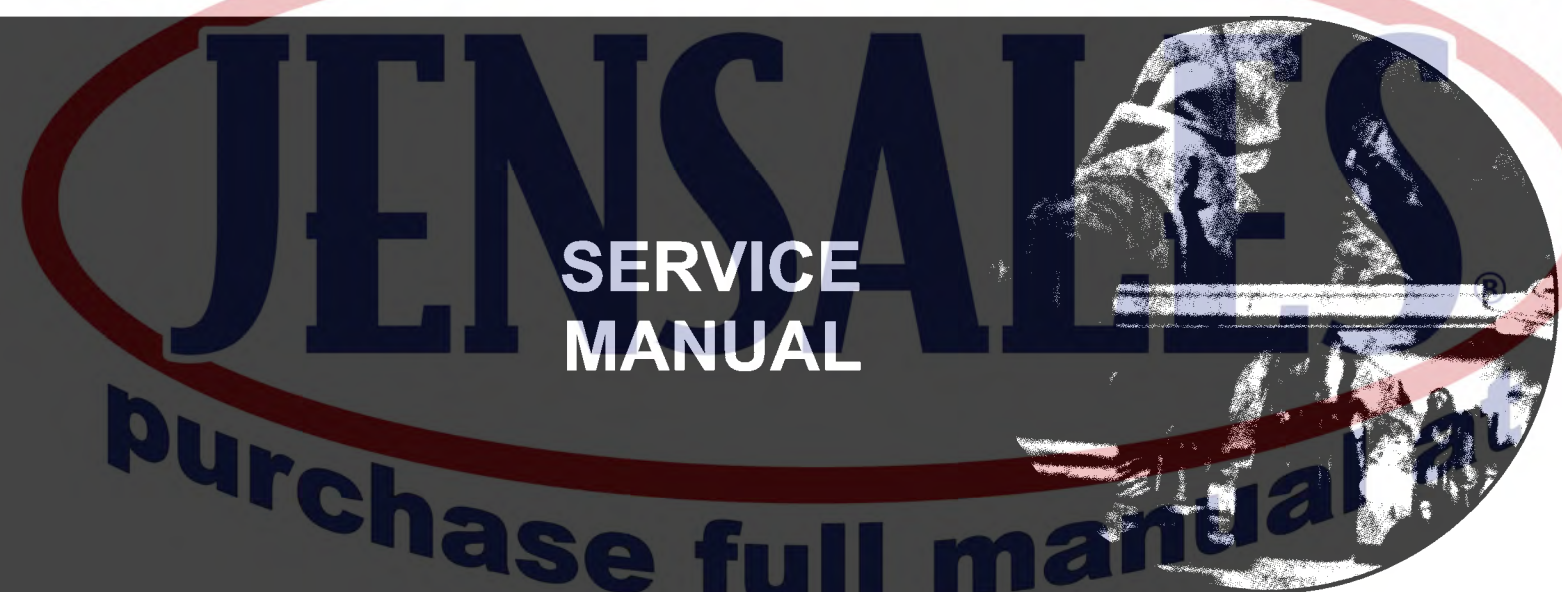
John Deere

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MODEL:

7701 & 7721 Combines

MANUAL PREVIEW



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JD-S-TM1180

TO JOHN DEERE DEALERS

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TM-1180
7701 and 7721 Combines

This is a revision to TM-1180, 7701 and 7721 Combines. Remove old pages and replace them with these new pages dated (JUN-84).

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7701 and 7721 COMBINES

TECHNICAL MANUAL

TM-1180 (Jun-84)

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SPECIFICATIONS

FEEDER HOUSE.....Spring-Loaded Belt Drive

CYLINDER

Type.....Rasp-Bar
Diameter.....22 inches (559 mm)
Number of bars.....8

CONCAVE

Type.....13 Bar-Open (7701)
14 Bar-Open (7721)
Area.....1093 sq. in. (.648 m²) (7701)
1150 sq. in. (.742 m²) (7721)

BEATER GRATE (7721 Only)

Type.....7 bar open-type
Area.....502 sq. in. (.324 m²)

SEPARATOR

Type.....Straw Walkers
with Shoe Grain
Supply Augers
Width.....55-in. (1395 mm)
Length of separating surface
(walker pans not
extended).....147 in. (3739 mm) (7701)
150 in. (3810 mm) (7721)

STRAW WALKERS

Number of walkers.....5
Number of steps on each walker.....5
Length.....130 in. (3302 mm) (7701)
150 in. (3810 mm) (7721)
Area.....7140 sq. in. (3.7 m³) (7701)
8222 sq. in. (5.3 m³) (7721)

STRAW CHOPPER

Drive.....V-Belt
Speed.....2358 rpm

STRAW SPREADER

Drive.....V-Belt
Speed.....249 rpm

CLEANING FAN

Type.....4-bladed undershot
Drive.....Variable Belt Drive

CHAFFER

Width.....53-in. (1342 mm)
Length.....61-in. (1543 mm)

SIEVE

Width.....53-in. (1342 mm)
Length.....46-in. (1170 mm)

TOTAL CLEANING AREA OF CHAFFER

AND SIEVE.....5637 sq. in. (36,368 cm²)

SHOE GRAIN SUPPLY AUGERS.....6

GRAIN TANK CAPACITY

200 bu. (7.5 m³) (7701)
190 bu. (6.7 m³) (7721)

TRACTOR REQUIREMENTS

Power.....125 (93 kw) PTO horsepower
PTO shaft speed.....1000 rpm
Hydraulic system.....Two outlets
separately controlled
Electrical system.....12 volt
with two outlets.
Additional outlet
required for low
shaft speed monitor.

TIRES

Size.....23.1-26 R3 (low Profile)
Ply.....10
Pressure.....26 psi (1.80 bar)

HYDRAULIC SYSTEM

Type: (7701) Consists of a pump, motor, and
reservoir (required for belt pickup), two
header lift cylinders, unloading auger
swing cylinder, and unloading auger latch-
ing cylinder.

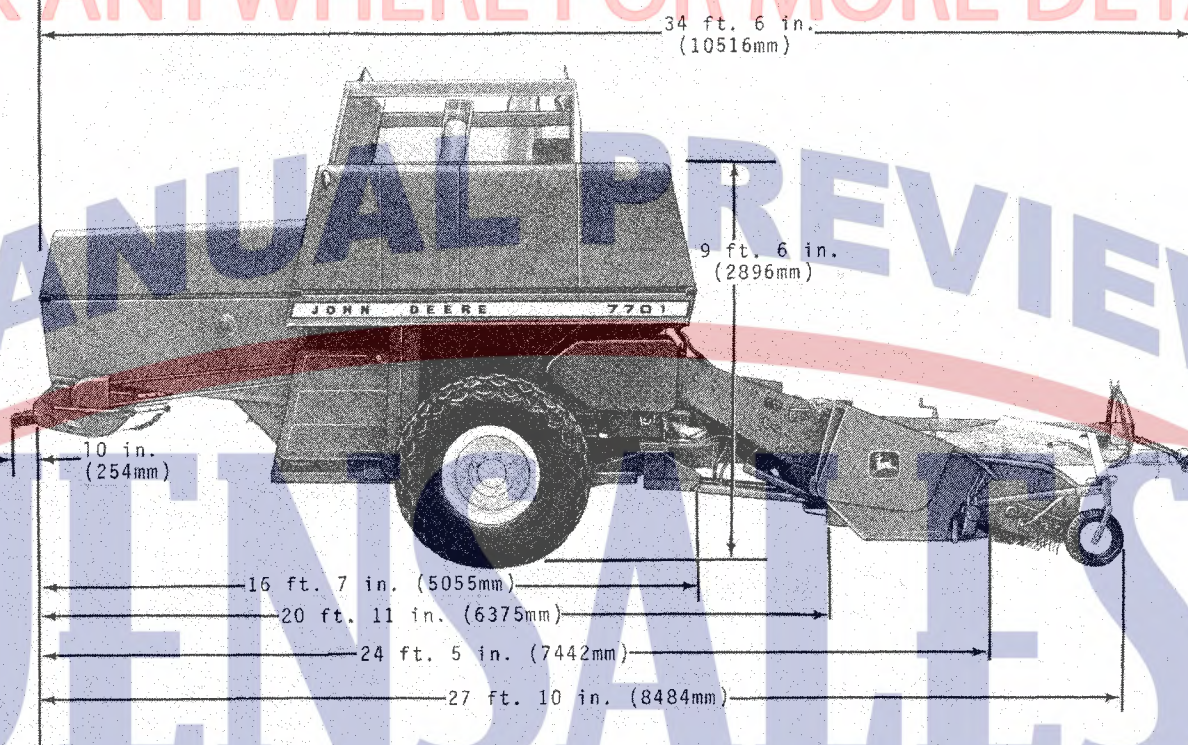
(7721) Consists of a pump, motor, and
reservoir (required for belt pickup) two
header lift cylinders, a cylinder to vary
threshing cylinder speed, and unloading
auger swing cylinder.

Relief pressure.....See tractor
Technical Manual
Flow rate.....Variable from tractor

Reservoir Capacity (Including lines
and components).....24 U.S. qts. (23 l)

7701 COMBINE DIMENSIONS

CLICK ANYWHERE FOR MORE DETAILS



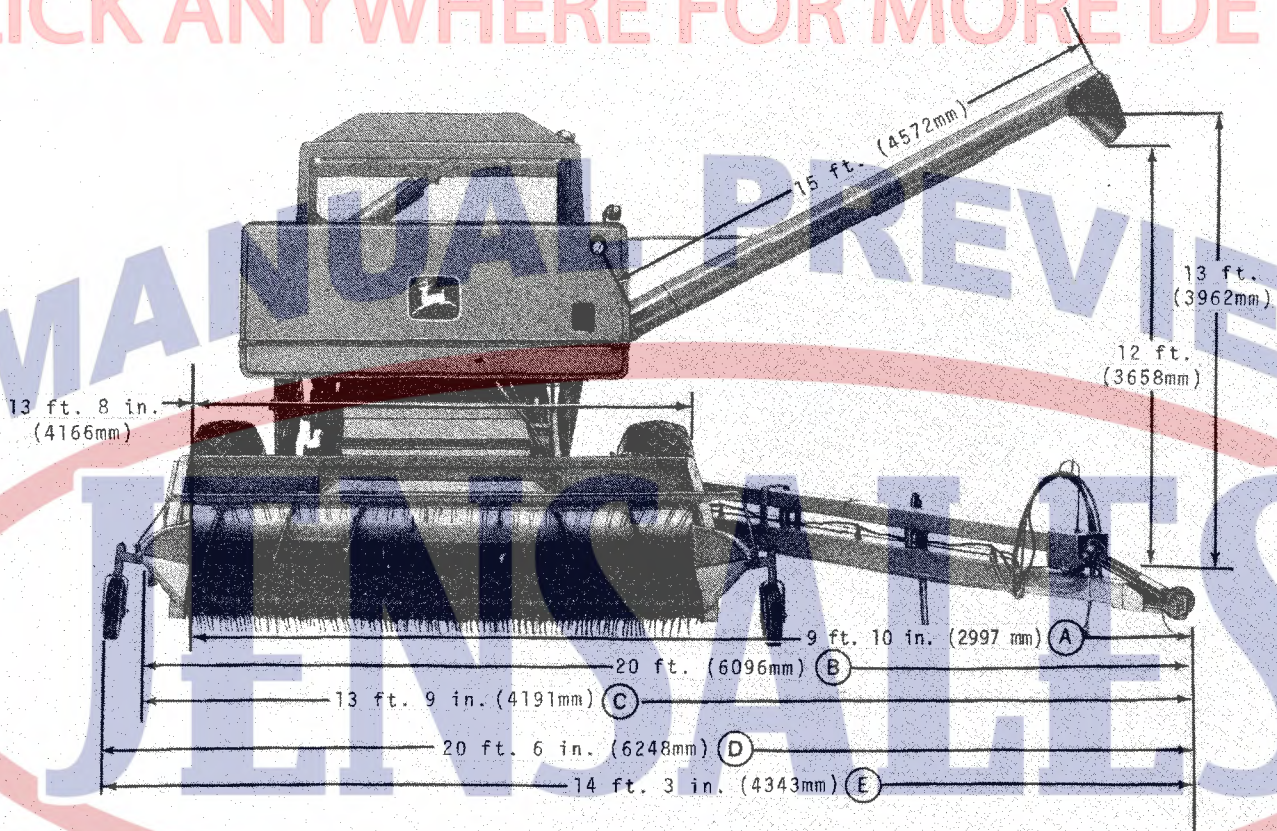
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7701 COMBINE DIMENSIONS (Continued)



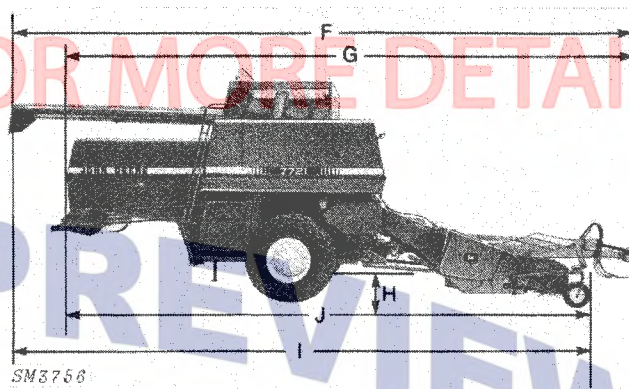
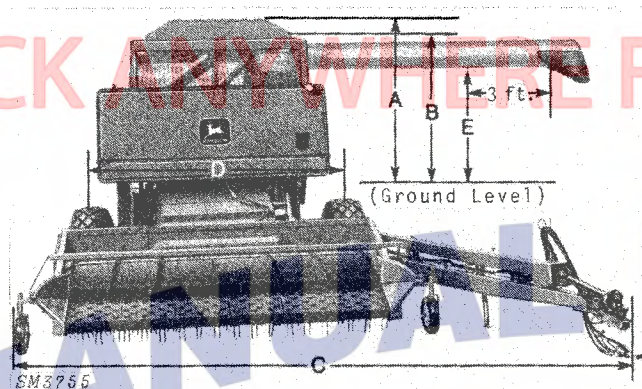
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- A - Transport Position
- B - Operating Position with 110-in. Pickup
- C - Transport Position with 110-in. Pickup
- D - Operating Position with 132-in. Pickup
- E - Transport Position with 132-in. Pickup

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7721 COMBINE DIMENSIONS



Dimensions are for the combine equipped with the standard equipment 23.1-26 R3 10 ply tires.

- A. Height (Grain Tank Flip-Up in the Up Position).....13 ft. 1 in. (3.99 m)
- B. Height-Transport (Grain Tank Flip-Up in the Down Position).....12 ft. 2 in. (3.71 m)
- C. Width (Field operation position with 132-inch [3.4 m] belt pickup).....20 ft. 6 in. (6.25 m)
- (Transport position with 132-inch [3.4 m] belt pickup).....14 ft. 3 in. (4.34 m)
- D. Wheel Tread.....11 ft. 8 in. (3.56 m)
- E. Unloading Auger Clearance Height.....12 ft. 3 in. (3.73 m)
- F. Length (To end of hitch and auger back).....42 ft. 10 in. (13.06 m)
- G. Length* (To end of hitch and auger out).....36 ft. 6 in. (11.13 m)
- H. Ground Clearance.....1 ft. 1 in. (.33 m)
- I. Length (with belt pickup and auger back).....36 ft. 2 in. (11.02 m)
- J. Length* (With belt pickup and auger out).....29 ft. 10 in. (9.09 m)

*Add 12-inches (.31 m) for straw chopper and 2-feet 11-inches (.89 m) for straw spreader.