

Killefer 5BXH and 6BXH Combination Units Hydraulic Control Effective Model No. 5BXH-04, 6BXH-04, 6BXH-05



JOHN DEERE

OPERATORS MANUAL

Killefer 5BXH and 6BXH Combination Units
Hydraulic Control Effective Model No. 5BXH-04,
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OMK13 English

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ENGLISH



OPERATING AND ADJUSTING

Before Operating Your BX Combination Unit

The BX Combination Units are ruggedly built and easy to operate. Length of life and maximum operating efficiency depends largely upon proper care, lubrication, and good use of simple adjustments.

Before using your BX Combination Unit, make sure it is correctly set up and properly lubricated. See that all moving parts work freely without binding, and check all bolts for tightness to insure maximum strength, thus eliminating undue strain to machine.

Hitch Adjustment

When machine is working at the desired depth, the frame should be parallel with the ground, holes in the hitch plate provide for this adjustment. The hitch plate can be turned over to make this adjustment possible with tractors having low draw bars.

Hydraulic Cylinder

Working depth is determined by the hydraulic cylinder. To increase penetration extend cylinder, to decrease penetration or raise to transport position retract cylinder.

Depth Adjusting Screw

The depth adjusting screw is used to control maximum working depth and take the load from the cylinder when the machine is operating.

Before putting machine into working position retract cylinder, which will relieve pressure on depth adjusting screw wheel. Turn wheel to left backing it off to secure the desired depth of penetration.

Machine may now be put into working position. After the depth adjusting screw wheel has been set machine may be raised and lowered always returning to the same depth of penetration.

To reduce penetration raise machine and turn adjusting screw wheel to the right which will shorten adjusting screw stroke thus reducing penetration.

The machine may be transported without the cylinder and hose being hooked up when the adjusting screw wheel is set at a short stroke or in transport position.

SETTING UP INSTRUCTIONS

General Instructions

- A. Read all setting up instructions carefully and observe illustrations.
- B. Remove bundle wires and arrange parts conveniently.
- C. Lubricate all bearings and moving parts as you proceed so that they move freely.
- D. Be sure all nuts are tight and cotter pins spread.

Shipping Bundles for 5BXH-04

1	—	2444 K	Frame
1	—	2448 K	Axle
1	—	2450 K	Cylinder Bracket
2	—	2156 K	Wheel and Spindle
1	—	2314 K	Killefer Hydraulic Cylinder
1	—	1647 K	Hydraulic Hose Assembly

Shipping Bundles for 6BXH-05

1	—	2870 K	Frame
1	—	2872 K	Axle
1	—	2875 K	Cylinder Bracket
2	—	2156 K	Wheel and Spindle
1	—	2314 K	Killefer Hydraulic Cylinder
1	—	1647 K	Hydraulic Hose Assembly

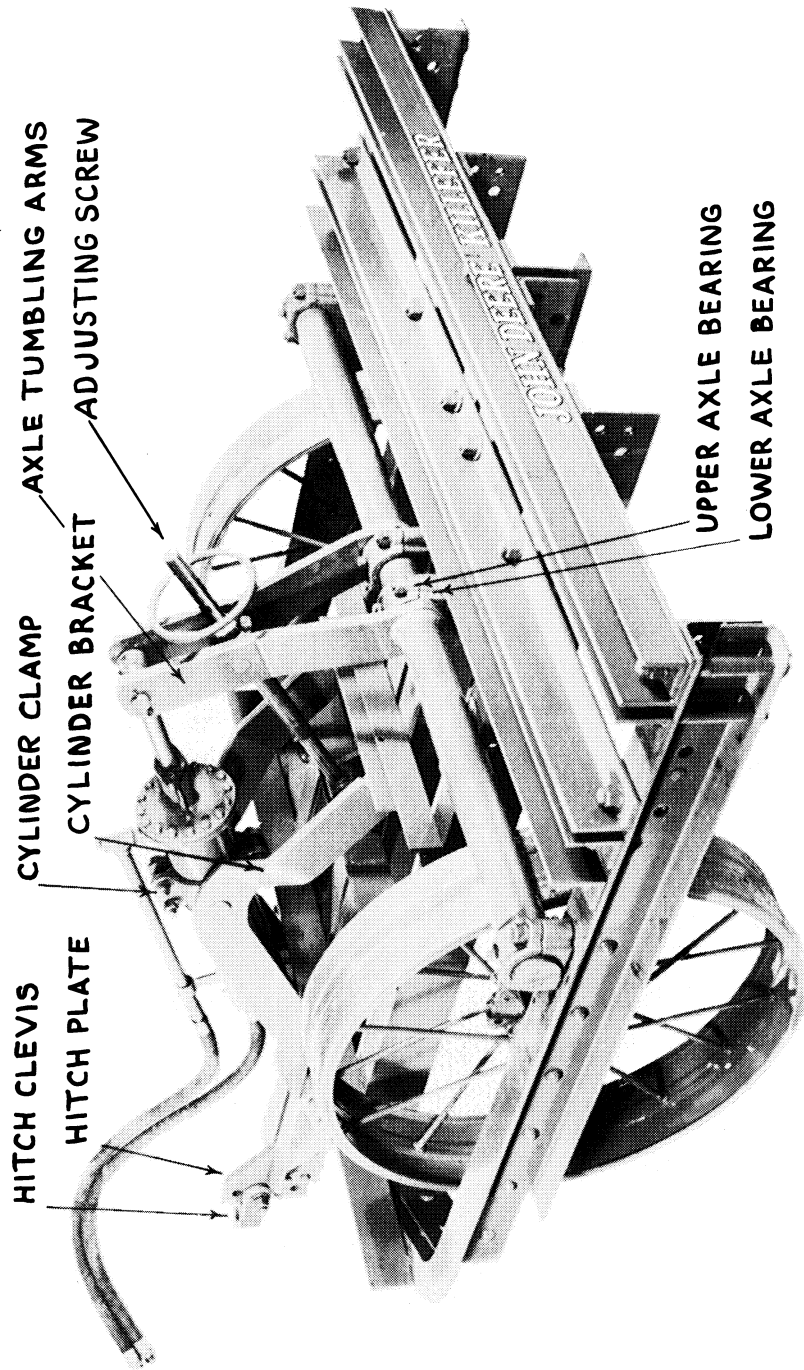


Figure #1 - 6BXH (Hydraulic) Combination Unit.

SETTING UP

Mounting Wheels and Axle

Wheels are shipped from factory with spindles and sand collars assembled on them. Be sure to check to see if they are properly lubricated. Remove bolts from end of spindle and roll wheel in between axle arms with wheel hub lugs in toward center of machine (see Figure #2). Turn spindle and sand collar assembly so flat sides of sand collars fit between edges of I beam. Line up holes and bolt into place.

With frame setting on floor remove axle bearing tops and roll wheels and axle into place. Lift frame enough to allow axle to be positioned, replace bearing tops and screw in grease fittings.

Attaching Depth Adjusting Screw

Remove adjusting screw wheel assembly from adjusting screw. Insert screw end of adjusting screw through adjusting screw trunnion which is between axle tumbling arms. Remove adjusting screw pin from bracket on frame and insert through lower end of adjusting screw. Replace adjusting screw wheel assembly guiding sleeve over screw and through adjusting screw trunnion.

Attaching Cylinder Bracket

Remove strap holding two ends of bracket together, which is used for shipping only. Bolt cylinder bracket into place as shown in Figure #1.

Attaching Cylinder

Loosen bolts in cylinder clamp castings, removing the two top ones to allow cylinder pipe support to pass between castings.

Insert wedge between cylinder clamp castings to start cylinder into position. Slide cylinder into position starting at rear side of castings sliding cylinder toward front of machine. Center, cylinder stop lug

between bolt holes in cylinder clamp casting, replace bolts and tighten.

Remove axle tumbling arm pin and extend cylinder until hole in end of rod lines up with hole in tumbling arms, insert pin and lock with cotter keys. Remove the two cylinder plugs, one in end of cylinder, one in end of pipe and attach hydraulic hose.

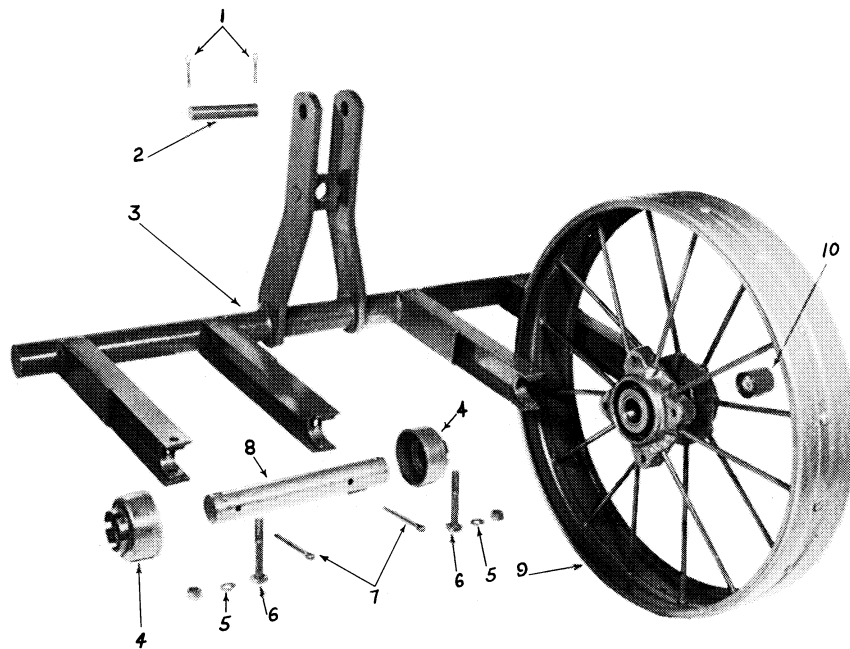


Fig. #2 Exploded View of 5BXH & 6BXH Wheel and Spindle With 5BXH Axle.

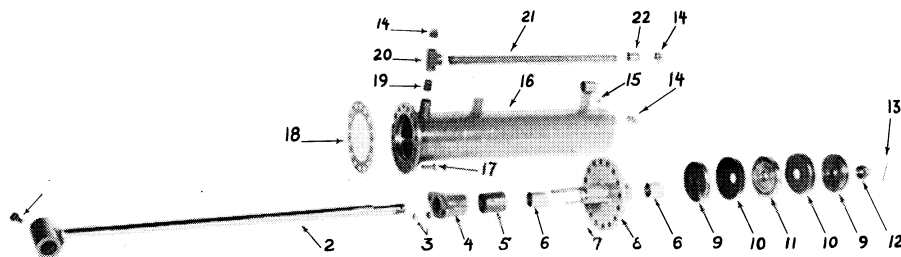


Fig. #3 Exploded View of 5BXH & 6BXH Hydraulic Cylinder.

PARTS LIST FOR JOHN DEERE KILLEFER 5BXH & 6BXH

Axle and Wheel Assembly (see Figure #2)

Ref.	No.	Part No.	Description	5BXH	6BXH
	1	11H 165	Cotter Pin (3/8 x 2-1/2) . (2)	x	x
	2	Q 21433 K	Pin, Tumbling Arm	x	x
	3	AQ 25568 K	Axle Assembly	x	
		AQ 25021 K	Axle Assembly		x
	4	Q 4095 K	Sand Collar, Dirt Proof . (4)	x	x
	5	12H 17	Lock Washers (3/4) (4)	x	x
	6	8H 1504	Mach.Bolt w/Nut (3/4 x 5) (4)	x	x
	7	11H 197	Cotter Pin (1/2 x 5) (4)	x	x
	8	Q 25009 K	Spindle, Wheel (2)	x	x
	9	AQ 24681 K	Wheel w/Bronze Bushings . (2)	x	x
	10	Q 6528 K	Bushing, Bronze (Per Wheel)(2)	x	x

Hydraulic Cylinder Assembly (see Figure #3)

	1	JD 7772	Alemite Fitting, Buttonhead .	x	x
	2	AQ 21419 K	Piston Rod & Eye Assembly . .	x	x
	3	14H 346	Nut, Jam (1/2) (4)	x	x
	4	AQ 21928 K	Packing Gland Assembly	x	x
	5	AQ 21411 K	Packing, Garlock	x	x
	6	Q 21426 K	Bushing, Bronze (2)	x	x
	7	12H 13	Lock Washer (16)	x	x
	8	AQ 21409 K	Cylinder Head Assembly	x	x
	9	Q 21860 K	Piston Follower (2)	x	x
	10	Q 21857 K	Piston Cup, Leather (2)	x	x
	11	Q 21859 K	Piston, Bronze	x	x
	12	14H 545	Hex Nut, Slotted	x	x
	13	11H 120	Cotter Pin (1/4 x 2-1/2) . . .	x	x
	14	15H 239	Plug, Black Pipe (1") . . . (3)	x	x
	15	15H 253	Plug, Black Pipe (1/8") . . .	x	x
	16	AQ 21863 K	Hydraulic Cylinder Assembly .	x	x
	17	8H 2305	Mach.Bolt (1/2 x 1-3/4") . (16)	x	x
	18	Q 21415 K	Gasket, Cylinder	x	x
	19	29H 488	Close Nipple, Black (1 x 1-1/2)	x	x
	20	Q 25270 K	Pipe Tee, Black (1")	x	x
	21	Q 21414 K	Pipe, threaded (1 x 27-1/2") .	x	x
	22	15H 78	Pipe Coupling, Black (1") . .	x	x

PARTS LIST FOR JOHN DEERE KILLEFER 5BXH & 6BXH

<u>Part No.</u>	<u>Description</u>	<u>5BXH</u>	<u>6BXH</u>
Q 26416 K	Clevis, Hitch	x	x
Q 1787 K	Plate, Hitch	x	
Q 17494 K	Plate, Hitch		x
AQ 21401 K	Adjusting Screw, Depth	x	x
AQ 21404 K	Sleeve & Wheel Assembly,		
	Depth Adjusting	x	x
Q 21341 K	Bearing, Axle, Upper (4)	x	x
Q 21342 K	Bearing, Axle, Lower (4)	x	x
Q 21386 K	Clamp, Cylinder, Casting . . . (2)	x	x

NOTE: Only one part used unless otherwise indicated.

