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MANUAL PREVIEW

Kubota
Operator's Manual

B1630,

B1640 & B1640A

Loader Attachment

Operator's Manual

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KU-O-LDR1630

OPERATOR'S MANUAL



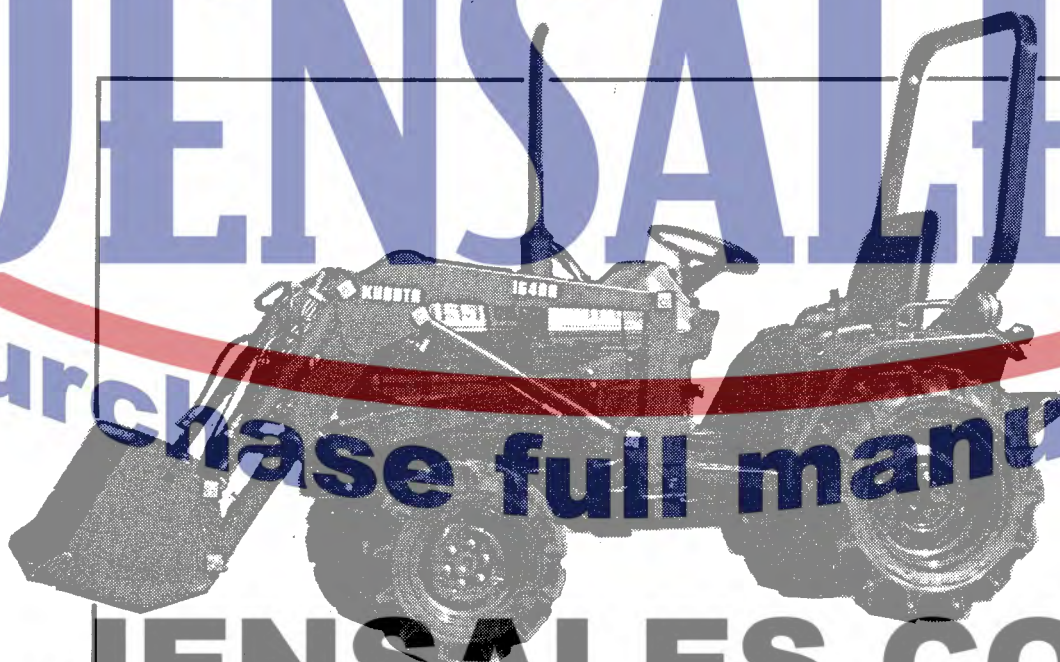
KUBOTA

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B1630, B1640 & B1640A

LOADER

See Tractor Application in "Introduction"



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LOADER TERMINOLOGY

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FIGURE ONE

SPECIFICATIONS

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LOADER SPECIFICATIONS WITH KUBOTA B7200D

Tractor Model	Kubota B7200D	
ASAE Rated Lift Capacity	272 kg (600 lbs.)	
ASAE Rated Breakout Force	454 kg (1000 lbs.)	
Lift Cylinder	Bore	38 mm (1.5 in.)
	Stroke	406 mm (16 in.)
Bucket Cylinder	Bore	38 mm (1.5 in.)
	Stroke	406 mm (16 in.)
Control Valve	One Detent Float Position Power Beyond Circuit	
Relief Valve Setting at 45° C (113°F)	101.7 kg/cm ² (1450 psi)	
Weight (Approx. Net)	175 kg (387 lbs.)	

BUCKET SPECIFICATIONS

Model No.		42	48	54
Width		1065mm (42 in.)	1219mm (48 in.)	1371mm (54 in.)
Length		480mm (18.9 in.)	480mm (18.9 in.)	480mm (18.9 in.)
Height		470mm (18.5 in.)	470mm (18.5 in.)	470mm (18.5 in.)
Capacity	Struck	0.12m ³ (4.2 cu. ft.)	0.14m ³ (4.8 cu. ft.)	0.157m ³ (5.4 cu. ft.)
	Heaped	0.145m ³ (5.1 cu. ft.)	0.16m ³ (5.8 cu. ft.)	0.18m ³ (6.5 cu. ft.)
Weight		40 kg (89 lbs.)	44 kg (97 lbs.)	48 kg (105 lbs.)

PERFORMANCE RATINGS (NO LOAD)

Raise to full height	3.7 seconds
Lowering time (Float down)	3.7 seconds
Attachment rollback time	1.9 seconds
Attachment dumping time	1.7 seconds
Power down time	2.1 seconds

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The above times were taken at 2500 RPM engine speed, 4.0 gallons per minute hydraulic flow and at recommended main relief valve setting. Tractor not equipped with power steering.

100 SERIES HYDRAULIC CONNECTIONS

1. Remove the cover plate from the diverter block on the oil delivery line. Using new metric hardware, and new o-rings, supplied, replace the cover with the diverter cover supplied with the hydraulic kit.

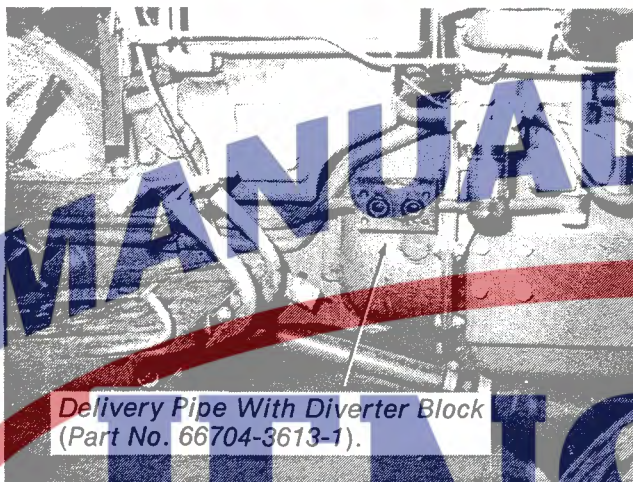


FIGURE THIRTEEN

2. Install the short 90° swivel fitting, with thread sealant, into the rear port of the diverter cover, and tighten so it points straight up.
3. Install the long 90° swivel fitting, with thread sealant, into the front port of the diverter cover, and tighten so it points straight up.
4. Remove the 1/4 inch fastener from the upper outside control valve mount and loosen the lower 1/4 inch fastener. Move the valve, on its mount, sufficiently to allow clearance to install a 90° o-ring fitting in the power beyond ("PB") port in the control valve. Refasten the valve to its mount and tighten the fitting so it points straight down.
5. Install another 90° o-ring fitting in the "IN" port of the control valve and tighten so it points forward.
6. Install one 3/8 x 24 inch hose from the long fitting in the forward port of the diverter cover, to the "IN" port fitting on the control valve, and tighten.
7. Install the other 3/8 x 24 inch hose from the short fitting in the rear port of the diverter cover, to the "PB" fitting on the control valve, and tighten.

NOTE: Continue 100 Series hydraulic connections with step #8 on page #14.

200 SERIES HYDRAULIC CONNECTIONS

1. Remove both plugs from the side ports in the hydraulic selector block, located on the right side of the tractor. Install new fittings and o-rings from the mounting kit into the ports on the selector block.
2. Rotate the selector lever to loader operation, as shown in figure #14, so it points toward the fittings just installed.



FIGURE FOURTEEN

3. Remove the 1/4 inch fastener from the upper outside control valve mount and loosen the lower 1/4 inch fastener. Move the valve, on its mount, sufficiently to allow clearance to install one 90° o-ring fitting in the power beyond ("PB") port in the control valve. Refasten the valve to its mount and tighten the fitting so it points straight down.
4. Install another 90° o-ring fitting in the "IN" port of the control valve and tighten so it points forward.
5. Install two 3/8 x 24 inch hoses, with thread sealant, into the side port fittings on the tractor selector valve.
6. Install the forward most 24 inch hose on the selector block to the "IN" port fitting on the valve, and the rear 24" hose to the "PB" port fitting on the valve. Tighten both hoses.
7. Double check and make sure all hoses and fittings installed to this point are tight, and the flow selector lever is rotated to loader operation.

NOTE: 200 Series Tractors, equipped with power steering do not require the use of the carryover oil fitting from the mounting kit.

9. Reconnect the power steering cylinder and drag link.

10. Install both loader uprights into their sub frame sockets. The upright with the control valve is mounted on the right side of the tractor. Loosely install the wedge bolts and handle nuts.

11. Install the mount bracket, for the upright support arm, to the front tractor frame. Fasten with M12 x 1.75 x 35 bolts and lockwashers. Torque to 55-65 ft. lbs. (75-90 N•m).



FIGURE TWENTY-FOUR

12. Place the upright support arm into the front mounting bracket and into the channels on each upright. Loosely install eight 3/8-16 x 1-1/4 bolts, lockwashers and nuts, fastening each upright to the support arm. Loosely install both “L” bolts thru the support arm crosstube, into the front mount bracket.

NOTE: All loader pivot pins are installed from the outside, with the hairpin clips to the inside of the loader frame.

13. Lower the loader lift frame into place on the top of each upright and fasten with two pivot pins and hairpin clips.

14. Tighten the 3/8 inch fasteners thru the uprights and support arm to 20-25 ft. lbs. (25-35 N•m). Draw the handle nuts on the uprights and the “L” bolts in the support arm crosstube, as tight as possible, by hand.

IMPORTANT: To assist with identification, the lift cylinders have 1-1/8 inch diameter rods and the bucket cylinders have one inch diameter rods.

15. Install the lift cylinders with the base end, lube fitting down, into the kneeplates. Install the rod end into the channel bracket on the uprights, with the lube fitting up. Fasten in place with pivot pins and hairpin clips.



FIGURE TWENTY-FIVE

16. Install the base end of each bucket cylinder to the kneeplates, with the lube fitting up. Place the bucket level indicator tube, short end up, on the right bucket cylinder pivot pin, inside the kneeplate. Install a hairpin clip to hold in place. Install the left pivot pin and hairpin clip.

17. Install the bucket with the remaining pivot pins and hairpin clips. Connect the rod end of the bucket cylinders to the bucket with the lube fitting down.

18. Slide the bucket level indicator rod up thru the tube, installed in step #16. Place the lower end of the rod into the bracket on the bucket and fasten with a 1/8 inch cotter pin. See figure #11.

19. The bucket level indicator rod will be long, in relation to the tube, when the bucket is level. Either paint the extended portion of the rod, or trim the rod and tube as shown in figure #12.