

WSM

WORKSHOP MANUAL
FRONT LOADER

LA844

Kubota

3. LUBRICANTS

To prevent serious damage to hydraulic systems, use only specified fluid or its equivalent.

Place	Capacity	Lubricants, type of grease
	MX5100	
Transmission case	44.0 L 11.6 U.S.gals 9.68 Imp.gals	KUBOTA UDT or SUPER UDT fluid*
Grease nipples	Until grease overflows.	Moly Ep type grease**

* KUBOTA original transmission hydraulic fluid

** "Extreme pressure" and containing Molybdenum disulfide is recommended. This grease may specify "Moly Ep" on it's label.

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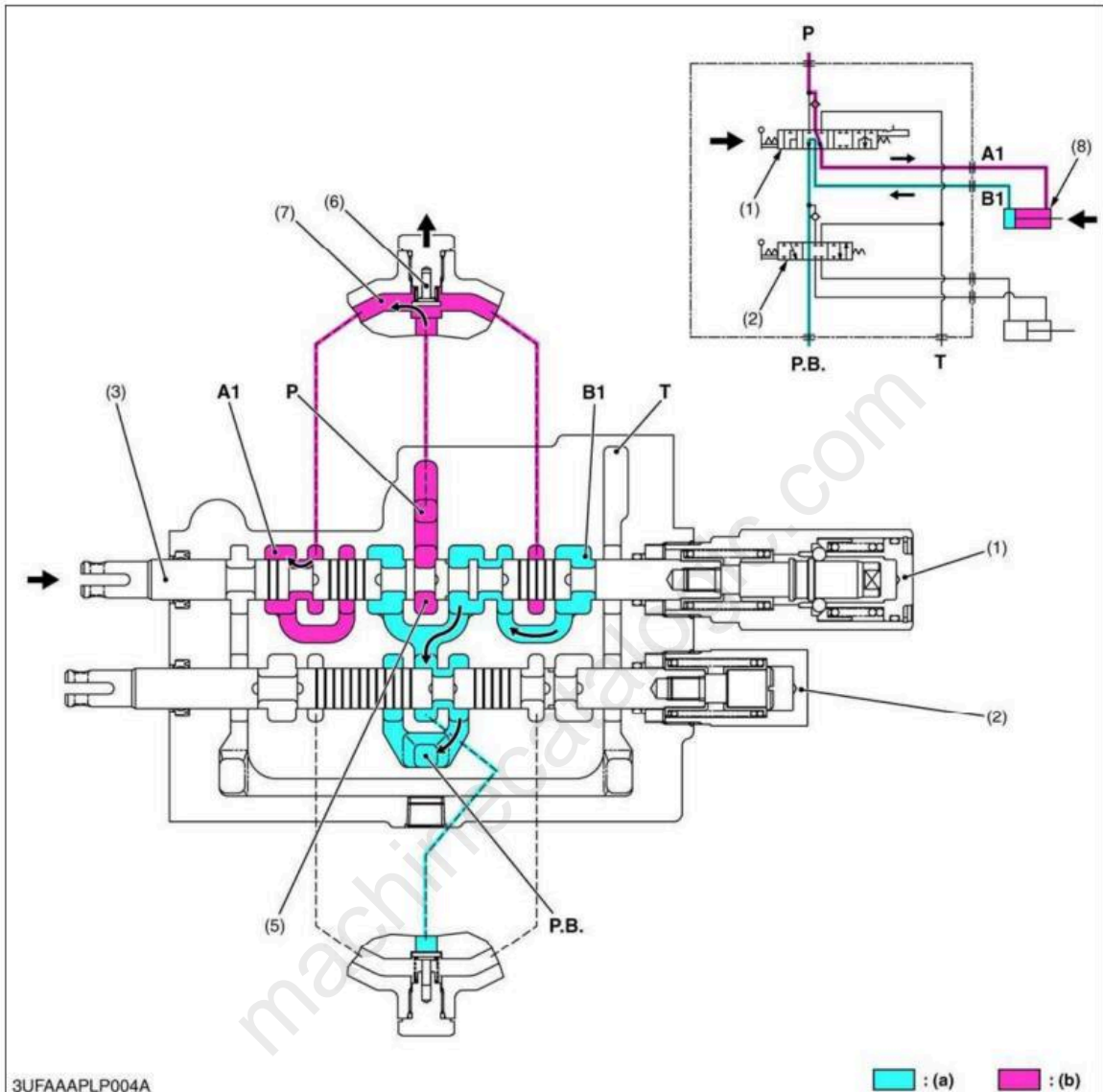
MECHANISM

CONTENTS

1. CONTROL VALVE ASSEMBLY.....	M-1
[1] HYDRAULIC CIRCUIT.....	M-1
[2] HYDRAULIC BLOCK.....	M-2
[3] STRUCTURE.....	M-3
[4] OPERATION.....	M-4

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Down



- (1) Boom Control Section
- (2) Bucket Control Section
- (3) Spool
- (4) P.B. Passage 1

- (5) Neutral Passage 1
- (6) Load Check Valve
- (7) Passage 1
- (8) Boom Cylinder

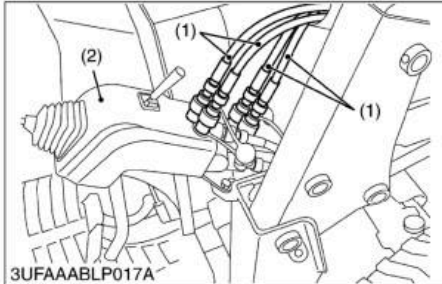
P : P Port
T : T Port

A1 : A1 Port (To Boom Cylinder)
B1 : B1 Port
(From Boom Cylinder)
P.B.: P.B. Port
a : Low Pressure
b : High Pressure

1. When the hydraulic control lever is set to the "DOWN" position, the spool (3) moves to the right, which forms oil passages between passage 1 (7) and A1 port, also between B1 port and P.B. passage 1 (4).
2. As the oil passage from the neutral passage 1 (5) to the PB passage 1 (4) is closed by the spool (3), the pressurized oil from the P port opens the load check valve (6) and flows through the notched section of the spool (3) and A1 port to retract the boom cylinder (8).
3. Return oil from the boom cylinder (8) flows from the B1 port through the passage in the spool (3) and P.B. passage 1 (4) to the bucket control section (2).

[2] DISASSEMBLING AND ASSEMBLING

(1) Separating Control Valve Assembly



Hydraulic Hose and Control Valve Cover

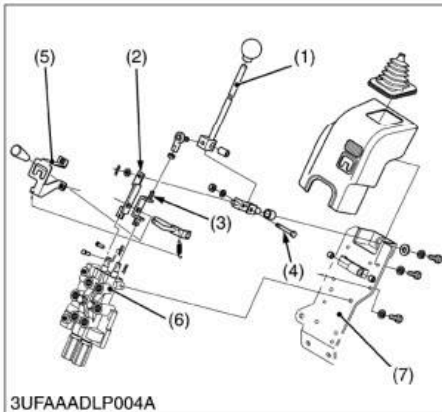
1. Disconnect the hydraulic hoses (1) from the control valve.
2. Remove the control valve cover (2).

(When reassembling)

3. Assemble the control valve cover (2) to the control valve.
4. Connect the hydraulic hoses (1) to the control valve.

Tightening torque	Control valve cover mounting bolt	9.81 to 11.2 N·m 1.00 to 1.15 kgf·m 7.24 to 8.31 lbf·ft
(1) Hydraulic Hose	(2) Valve Cover	

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Control Lever and Control Valve

1. Disconnect the spool plate (2) and rod 1 (3) from the control valve spools.
2. Remove the bolt (4) and remove the control lever (1).
3. Remove the control valve (6) from the valve stay (7).

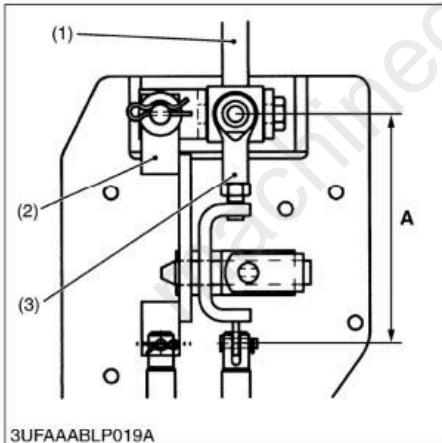
(When reassembling)

- The length **A** of the rod 1 (3) should be 115.3 to 116.3 mm (4.540 to 4.578 in.).

Tightening torque	Control valve mounting bolt	24 to 27 N·m 2.4 to 2.8 kgf·m 18 to 20 lbf·ft
(1) Control Lever	(5) Lever guide	
(2) Spool Plate	(6) Control Valve	
(3) Rod 1	(7) Valve Stay	
(4) Bolt		

**A : 115.3 to 116.3 mm
(4.540 to 4.578 in.)**

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Full Version Available

Kubota LA844 Front Loader Workshop Manual

This is a short preview. The complete manual contains all chapters, wiring diagrams, torque specifications and full service procedures.

VIEW THE FULL MANUAL

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