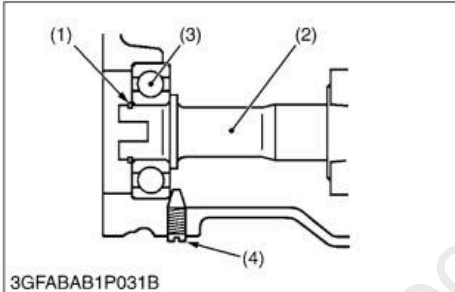
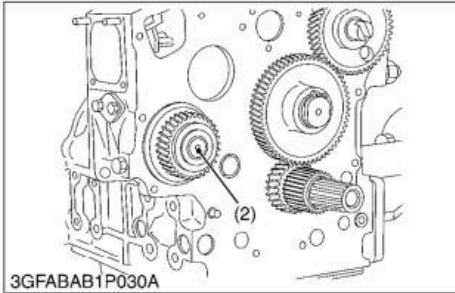
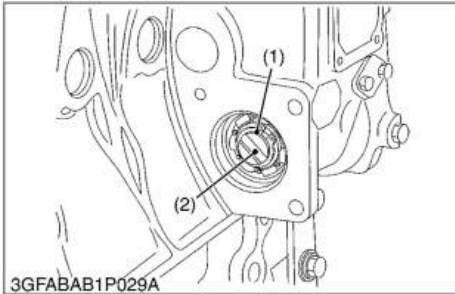


WSM

WORKSHOP MANUAL
TRACTOR

B2320HSD, B2920HSD

Kubota



Governor Shaft

1. Remove the external snap ring (1) from the governor shaft (2).
2. Pull out the governor shaft (2).

(When reassembling)

- Make sure assembling the external snap ring of the governor shaft.
- Check the governor shaft for smooth rotation.

■ IMPORTANT

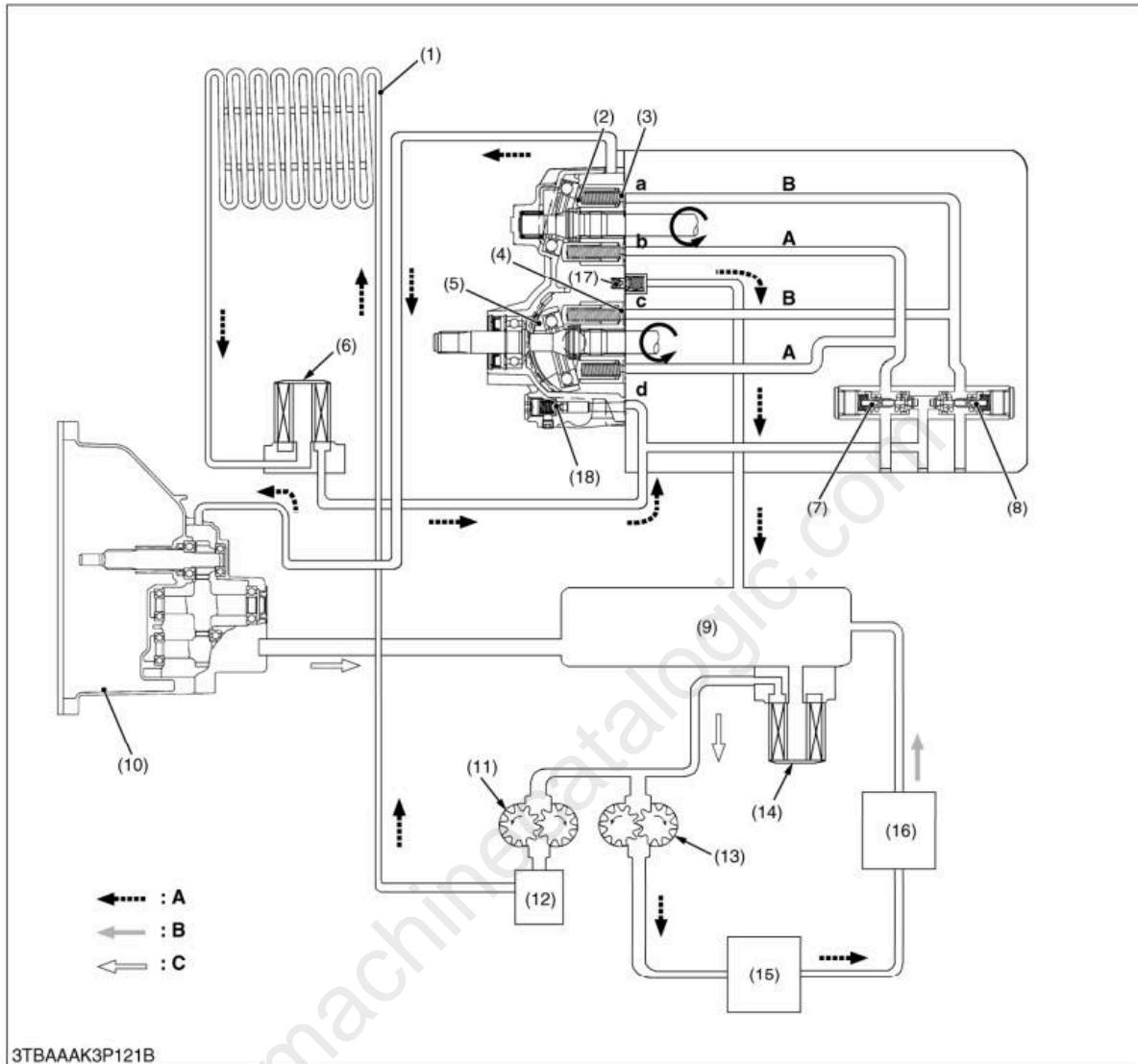
- When replacing the ball bearing of governor shaft, securely fit the ball bearing (3) to the crankcase, apply an adhesive (Three Bond 1324B or equivalent) to the set screw (4), and fasten the screw until its tapered part contacts the circumferential end of the ball bearing.

(1) External Snap Ring
(2) Governor Shaft

(3) Ball Bearing
(4) Set Screw

W1031987

■ Forward



3TBAAAK3P121B

- | | | | |
|--|--|--|--------------------------|
| (1) Oil Cooler | (8) Check and High Pressure Relief Valve (Forward) | (13) Hydraulic Pump (for Main Circuit) | A : High Pressure |
| (2) Piston | (9) Transmission Case | (14) Oil Filter | B : Low Pressure |
| (3) Motor Cylinder Block | (10) Clutch Housing | (15) Front Loader Control Valve | C : Free Oil |
| (4) Pump Cylinder Block | (11) Hydraulic Pump (for Power Steering) | (16) Hydraulic Control Valve | a : Port a |
| (5) Swashplate | (12) Power Steering Body | (17) Case Relief Valve | b : Port b |
| (6) Oil Filter (for HST) | (18) Charge Relief Valve | | c : Port c |
| (7) Check and High Pressure Relief Valve (Reverse) | | | d : Port d |

When the HST pedal is stepped on and in forward, the variable swashplate is tilted as shown in figure above.

As the pump cylinder block rotates with the input shaft, oil is forced out of pump port **d** at high pressure. As pressure oil enters motor port **b** the pistons, which align with port **b**, are pushed against the swashplate and slide down the inclined surface.

Then the output shaft rotates with the motor cylinder block. This drives the machine forward and the angle of pump swashplate determines the output shaft speed.

As the motor cylinder block continues to rotate, oil is forced out of motor port **a** at low pressure and returns to the pump.

(3) Separating Center Frame and Transmission Assembly

Draining Transmission Fluid

1. Refer to page 3-S14.

W1017811



Battery Cord

1. Open the bonnet (1) and remove the front grille.
2. Disconnect the battery negative cord (2).

■ NOTE

- When disconnecting the battery cords, disconnect the grounding cord first. When connecting, the positive cord first.

(1) Bonnet

(3) Battery Negative Cord

W1105937



ROPS and Three Point Hitch

1. Remove the upper frame mounting bolts and nuts, then remove the upper frame (1).
2. Disconnect the wire harness and remove the tail lamps (7).
3. Remove the top link (3) and lift rods (4).
4. Remove the lower link (6) and the collars from the three point hitch shaft (5).
5. Remove the lower frames (2).

Tightening torque	ROPS mounting bolt (M12)	90 to 95 N·m 9.2 to 9.6 kgf·m 67 to 70 lbf·ft
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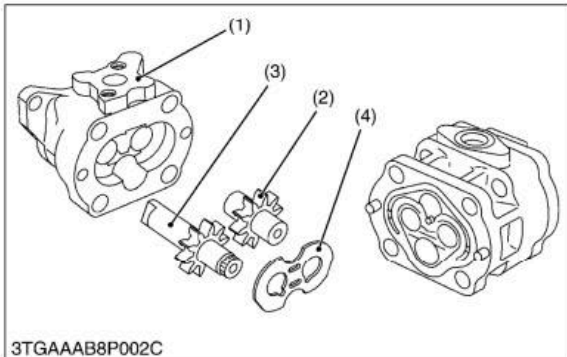


- (1) Upper Frame
- (2) Lower Frame
- (3) Top Link
- (4) Lift Rod

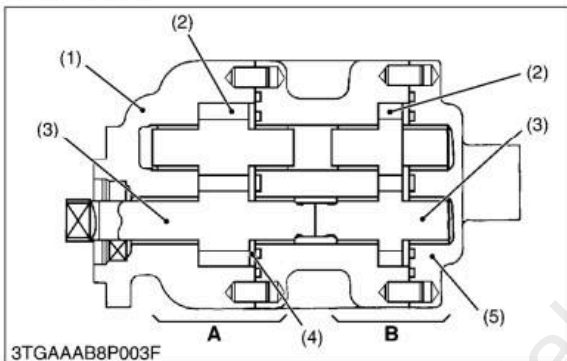
- (5) Three Point Hitch Shaft
- (6) Lower Link
- (7) Tail Lamp

W1016882

2. HYDRAULIC PUMP



3TGAAAB8P002C



3TGAAAB8P003F

The hydraulic pump is composed of the casing (1), cover (5), side plate (4), and two spur gears (drive gear (3) and driven gear (2)) that are in mesh.

Hydraulic pump is driven by the fuel camshaft.

Maximum displacement is as follows.

Hydraulic pump (for Power Steering)

Displacement	Engine speed	Condition
13.5 L/min. 3.57 U.S.gal/min. 2.97 Imp.gal/min.	At 2800 min ⁻¹ (rpm)	at no load

Hydraulic pump (for 3P)

Displacement	Engine speed	Condition
17.9 L/min. 4.73 U.S.gal/min. 3.94 Imp.gal/min.	At 2800 min ⁻¹ (rpm)	at no load

- (1) Casing
- (2) Driven Gear
- (3) Drive Gear
- (4) Side Plate
- (5) Cover

A : Pump for Three Point Hydraulic System
B : Pump for Power Steering

W1013659

Full Version Available

Kubota B2920HSD Tractor 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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