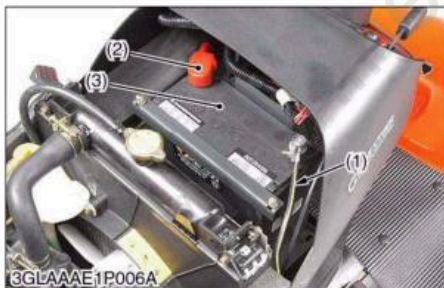
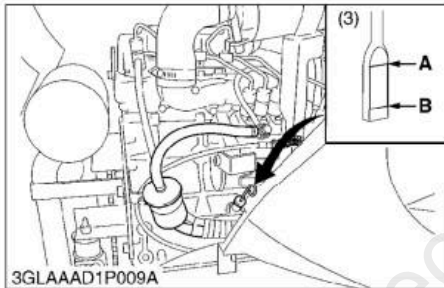
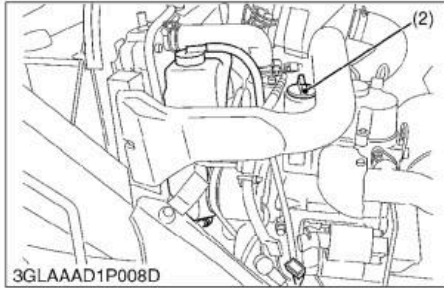
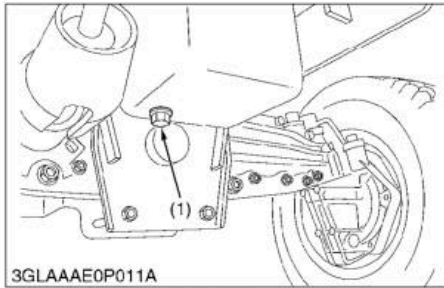


WSM

WORKSHOP MANUAL

GR2100

Кубота



Draining Engine Oil

1. Start and warm up the engine for approx. 5 minutes.
2. Place an oil pan underneath the engine.
3. Remove the drain plug (1) to drain oil.
4. After draining, screw in the drain plug (1).

(When refilling)

- Fill the engine oil up to the upper line on the dipstick (3).

■ IMPORTANT

- **Never mix two different type of oil.**
- **Use the proper SAE Engine Oil according to ambient temperature.**

Refer to "4. LUBRICANTS, FUEL AND COOLANT" at "G. GENERAL" section.

Engine Oil	Capacity	2.8 L 2.96 U.S.qts 2.46 Imp.qts

- (1) Drain Plug
(2) Oil Inlet
(3) Dipstick

A : Upper Level
B : Lower Level

W1032108

Battery

⚠ CAUTION

- **When disconnecting the battery cables, disconnect the negative cable from the battery first. When connecting, connect the positive cable to the battery first.**

1. Open the bonnet.
2. Remove the radiator net.
3. Disconnect the negative cable (1) from the battery.
4. Disconnect the positive cable (2) from the battery and remove the battery (3).

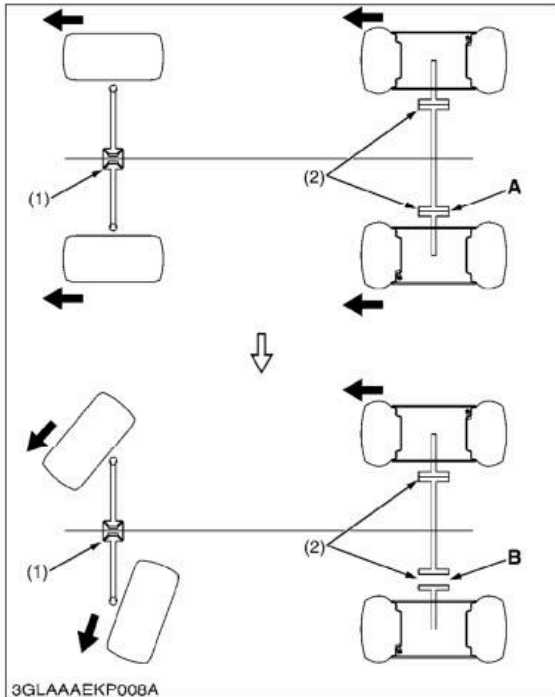
- (1) Negative Cable
(2) Positive Cable

(3) Battery

W1033344

[2] GLIDE STEER SECTION

(1) General

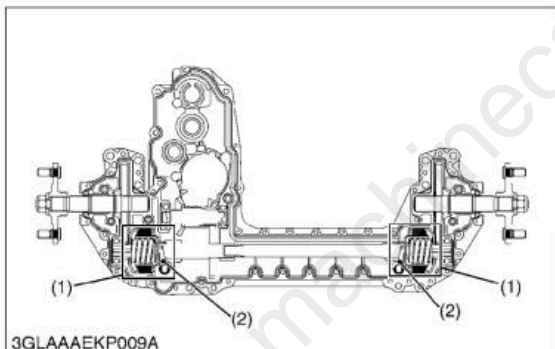


This machine is equipped with the Glide Steer system.

On turning, the Glide Steer system provides a mechanism that allows a turf-friendly minimum turn by driving the front wheels and the rear wheel on the outside of the turn at the same time.

- | | |
|-------------------------------|----------------------|
| (1) Differential Gear (Front) | A : Engage |
| (2) Steering Clutch | B : Disengage |

W1014878



This machine has left and right steering clutches (1) in the rear transaxle.

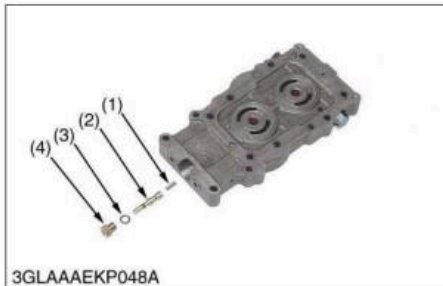
The clutch lever (2) is connected to the king pin support on the front axle with the wire (3). When turning left or right, the wire connecting to the king pin support on the front axle disengages only the steering clutch of the turn side. This shuts off driving power to the rear wheel on the inside of the turn.

On the other hand, the rear wheel on the outside of the turn has driving power.

- | | |
|---------------------|----------|
| (1) Steering Clutch | (3) Wire |
| (2) Clutch Lever | |

W1019672



**By-pass Valve**

1. Remove the plug (4) and draw out the by-pass spool (2) and spring (1).

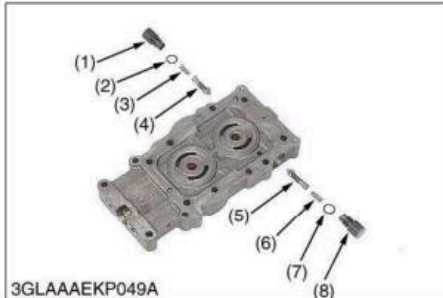
(When reassembling)

- Take care not to damage the O-ring (3) on the plug (4).

Tightening torque	By-pass valve plug	15.0 N·m 1.53 kgf·m 11.1 lbf·ft
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- (1) Spring (3) O-ring
(2) By-pass Spool (4) Plug

W1066388

**Check and High Pressure Relief Valve**

1. Remove the plugs (1), (8).
2. Draw out the springs (3), (6).
3. Draw out the check and high pressure relief valves (4) (5).

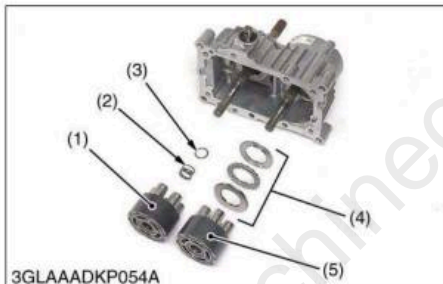
(When reassembling)

- Take care not to damage the O-rings (2), (7) on the plugs (1), (8).

Tightening torque	Check and high pressure relief valve plug	30.0 N·m 3.06 kgf·m 22.1 lbf·ft
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- (1) Plug (5) Check and High Pressure Relief Valve (Forward)
(2) O-ring (6) Spring
(3) Spring (7) O-ring
(4) Check and High Pressure Relief Valve (Reverse) (8) Plug

W1069382

**Cylinder Block Assembly and Thrust Ball Bearing**

1. Remove the cylinder block assembly (pump side) (1), spring (2) and washer (3).
2. Remove the cylinder block assembly (motor side) (5).
3. Remove the thrust ball bearing (4).

(When reassembling)

- Apply clean transmission oil to thrust ball bearing, cylinder block and piston.

NOTE

- Take care not to damage the surface of cylinder blocks and pistons.

- (1) Cylinder Block Assembly (Pump Side) (4) Thrust Ball Bearing
(2) Spring (5) Cylinder Block Assembly (Motor Side)
(3) Washer

W1070297

2. SERVICING SPECIFICATIONS

Item		Factory Specification	Allowable Limit
Main Relief Valve	Setting Pressure	9.5 to 11.0 MPa 97 to 112 kgf/cm ² 1378 to 1595 psi	—

W1013874

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Kubota GR2100 Lawn Tractor Workshop Manual

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