

WSM

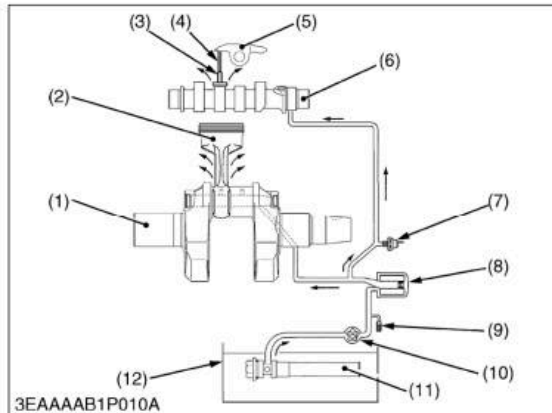
WORKSHOP MANUAL

ZG327A

Кубота

3. LUBRICATING SYSTEM

[1] GENERAL

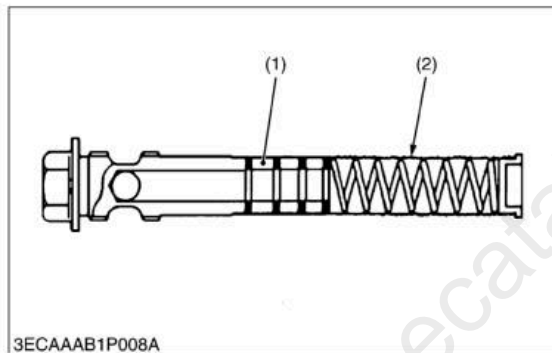


The oil strainer (11) rids engine oil of big dirty substances. The oil pump (10) sucks up the engine oil to let the oil filter (8) remove foreign matters from it. Each friction portion is forcibly lubricated so that the parts of the piston (2), crankshaft (1) and valve operating mechanism can move smoothly. This system also reduces the friction force to prevent wears.

- | | |
|----------------|-------------------|
| (1) Crankshaft | (7) Oil Switch |
| (2) Piston | (8) Oil Filter |
| (3) Tappet | (9) Relief Valve |
| (4) Push Rod | (10) Oil Pump |
| (5) Rocker Arm | (11) Oil Strainer |
| (6) Camshaft | (12) Crankcase |

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[2] OIL STRAINER

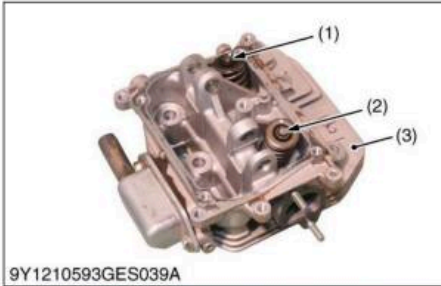


Entry of foreign material such as iron chips, dirt, etc. into the lubricating system may damage the lubricated parts. To prevent this, an oil strainer is equipped prior to the oil pump. This strainer has a double wound stainless steel net (50 meshes) (2) at the outside, and magnets (1) are mounted inside.

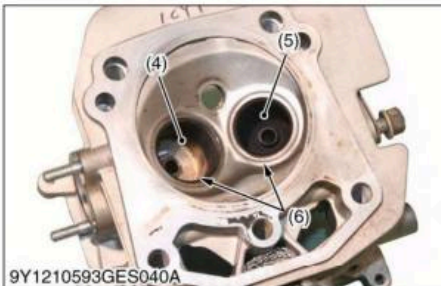
This stainless steel net removes small dirt in the lubricating oil. Further, fine iron chips passing through this net are attracted by these magnets to prevent them from entering the lubricating system.

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|------------|-------------------------|
| (1) Magnet | (2) Stainless Steel Net |
|------------|-------------------------|

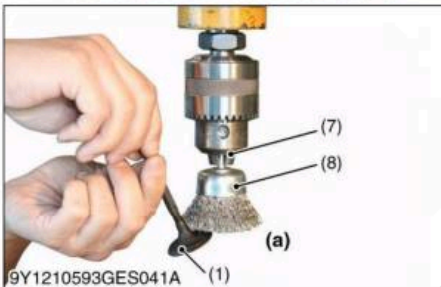
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Cleaning Combustion Chamber (Valves)

1. Remove the inlet valve (1) and the exhaust valve (2).

NOTE

- Do not clean the inner surface of the exhaust port (4) and the inlet port (5).
 - If much carbon are found on the valve seat (6), remove the carbon.
2. Set the drum brush to the drill chuck (7).
 3. Clean the carbon on the valve with the drum brush at the low speeds.

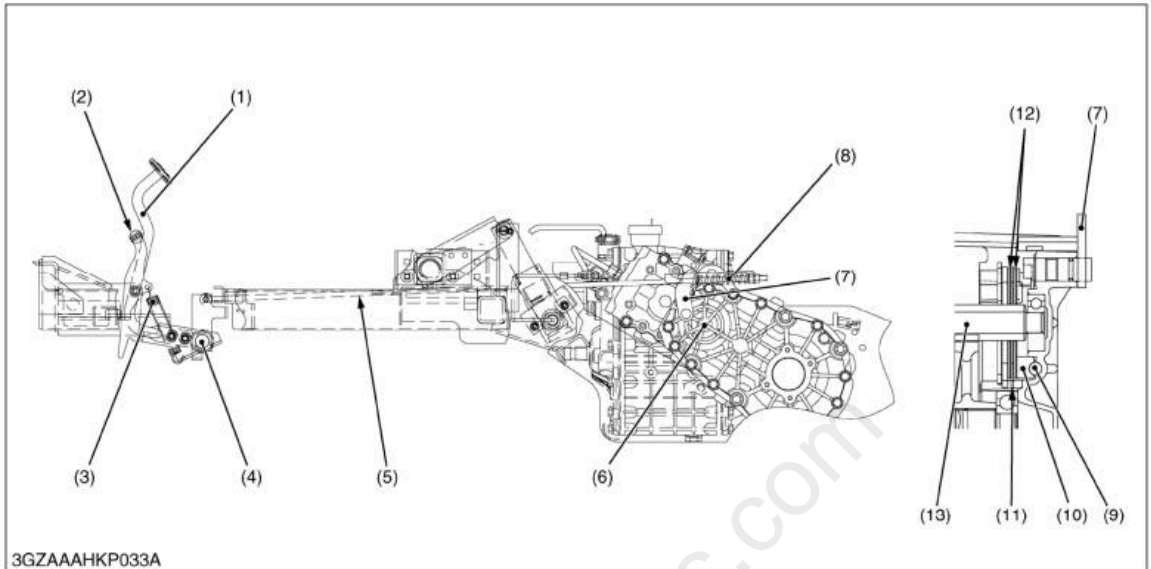
(When reassembling)

- Lap both the inlet valve surface and the exhaust valve surface.
- Clean the cylinder head with the degreaser.

- | | |
|-------------------|-----------------|
| (1) Inlet Valve | (5) Inlet Port |
| (2) Exhaust Valve | (6) Valve Seat |
| (3) Cylinder Head | (7) Drill Chuck |
| (4) Exhaust Port | (8) Drum Brush |

(a) Rotation

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(8) Parking Brake

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- | | | | |
|-------------------------------|--------------------|------------------|------------------------------|
| (1) Brake Pedal | (5) Brake Rod | (8) Brake Spring | (11) Brake Disc |
| (2) Parking Lock Pedal | (6) Brake Assembly | (9) Ball | (12) Brake Plate |
| (3) Brake Pedal Return Spring | (7) Brake Arm | (10) Actuator | (13) HST Motor Shaft (Brake) |
| (4) Brake Shaft | | | |

The parking brake is composed of brake pedal (1), parking lock pedal (2), brake pedal return spring (3), brake shaft (4), brake rods (5), brake arms (7) and brake assemblies (6).

The brake is mechanical wet discs type.

When the brake pedal (1) is pressed, the brake shaft (4) is rotated forward and the brake rods (5) are pulled forward. And the brake arms (7) are rotated forward.

The brake arms (7) are connected mechanically to the grooves of the actuators (10).

The brake arms (7) rotates the actuators (10) and the actuators (10) mounting on three balls pushes the brake discs (11) and brake plates (12) to stop the brake shafts rotation.

As both the brake pedal (1) and parking lock pedal (2) are pressed, the parking brake will be applied and locked.

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Mower Linkage

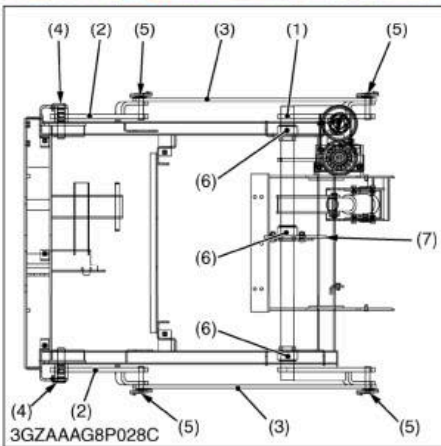
1. Remove the clevis pins (5) and horizon plate (3).
2. Remove the front pin (4) and front arm (2).
3. Remove the clevis pin, and disconnect the lift shaft (1) and lift cylinder.
4. Remove the plate (7) and lift shaft (1) with bushings (6).

(When reassembling)

- Apply grease to front pins (4).

- | | |
|-------------------|----------------|
| (1) Lift Shaft | (5) Clevis Pin |
| (2) Front Arm | (6) Bushing |
| (3) Horizon Plate | (7) Plate |
| (4) Front Pin | |

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Full Version Available

Kubota ZG327A Zero Turn Mower Workshop Manual

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

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