

WSM

WORKSHOP MANUAL
FRONT LOADER

LA534A-AU

Kubota

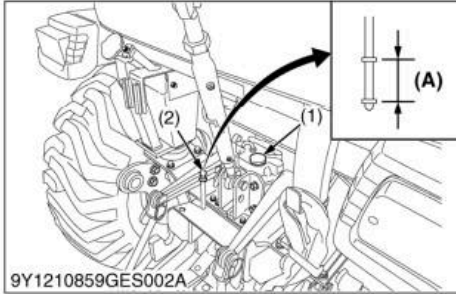
6. CHECK AND MAINTENANCE

CAUTION

- When checking and repairing, park the tractor on flat ground and apply the parking brake.
- When checking and repairing, lower the bucket and stop the engine.

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[1] CHECK POINTS OF EACH USE OR DAILY



Checking Transmission Fluid Level

1. Check the oil level at the dipstick (2).
2. If the fluid level is too low, add new oil to the prescribed level at the dipstick (2).

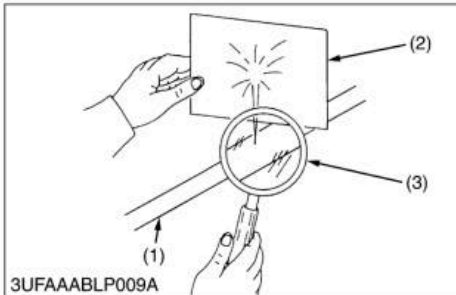
■ IMPORTANT

- Use only KUBOTA SUPER UDT fluid.
- Use of other fluids may damage the transmission or hydraulic system. Refer to "3. LUBRICANTS" on page G-3.
- Do not mix different brands oil together.

- (1) Filling Plug
(2) Dipstick

(A) Oil level is acceptable within this range.

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Checking Hydraulic Hoses

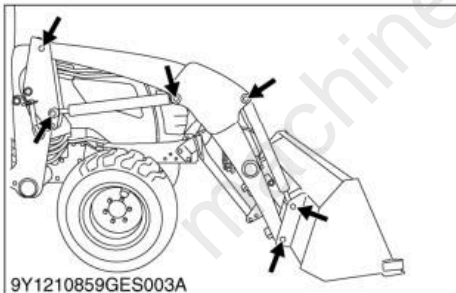
1. With the engine off and bucket on the ground, check all hydraulic hoses (1) for cuts or wear.
2. Check for signs of leaks and make sure all fittings are tight.
3. If problems are found, replace them.

- (1) Hydraulic Hose
(2) Cardboard

(3) Magnifying Glass

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[2] CHECK POINT OF EVERY 10 HOURS



Greasing

1. Inject grease in all grease fittings with a hand grease gun.

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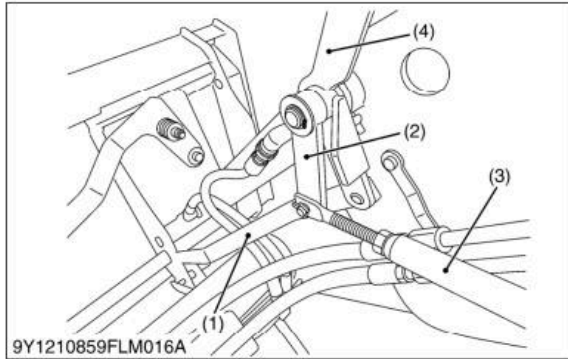
(Continued)

And then, the spill guard valve (11) restricts the bucket's roll back movement. The spill guard valve mechanism is explained at the "[3] SPILL GUARD VALVE" (see page 1-M12) in this section.

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[2] SPILL GUARD LINK

(1) Bucket Indicator Link and Spill Guard Link



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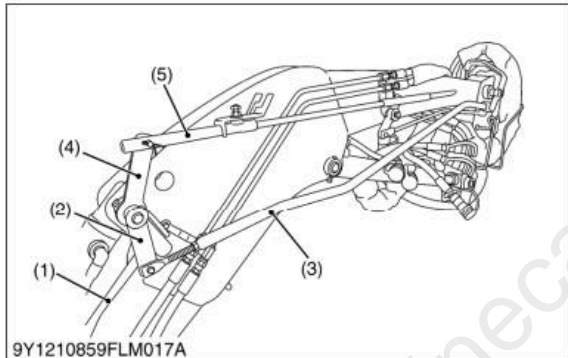
Spill Guard Link

The linkage of the bucket indicator (5) is connected mechanically through the link (2) to the spill guard rod (3).

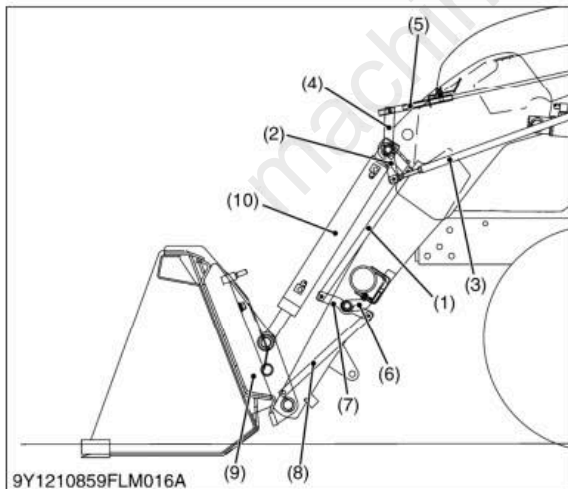
As a result, the position of the bucket is transmitted through the connecting link 1 (1) to the link (2), the bucket indicator (5) and the spill guard rod (3).

- | | |
|-------------------------|----------------------|
| (1) Connecting Link1 | (6) Pin Stay 1 |
| (2) Link | (7) Link 7 |
| (3) Spill Guard Rod | (8) Link 8 |
| (4) Spill Guard Lever 2 | (9) Quick Hitch |
| (5) Bucket Indicator | (10) Bucket Cylinder |

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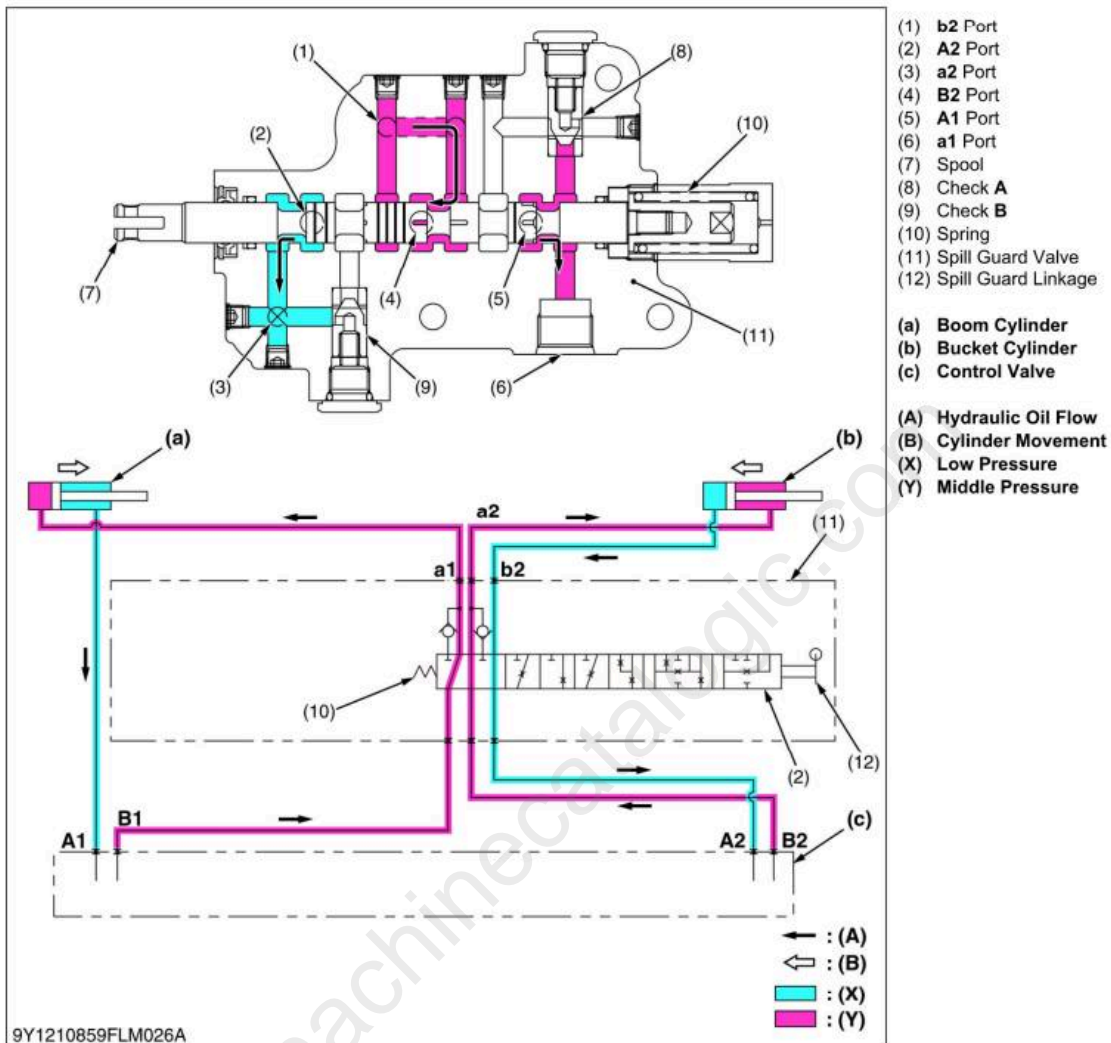
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[4] SPILL GUARD VALVE OPERATION

(1) Neutral Position (Stroke 0 mm (0 in.))



The above figure shows an oil pressure circuit chart where BOOM UP and BUCKET ROLL-BACK were assumed.
 Hydraulic oil passage between A1 port (5) and a1 port (6) is opened.
 Hydraulic oil passage between A2 port (2) and a2 port (3) is opened.
 Hydraulic oil passage between B2 port (4) and b2 port (1) is opened.

(BOOM UP condition)

Hydraulic oil flows from A1 port (5) to a1 port (6).

(BOOM DOWN condition)

Hydraulic oil flows from a1 port (6) to A1 port (5).

(BUCKET ROLL-BACK condition)

Hydraulic oil flows from A2 port (2) to a2 port (3). At this time, hydraulic oil flows from b2 port (1) to B2 port (4).

(BUCKET DUMP condition)

Hydraulic oil flows from B2 port (4) to b2 port (1). At this time, hydraulic oil flows from a2 port (3) to A2 port (2).

In neutral pressure, the spool (7) is returned to this neutral position automatically by the spring (10).

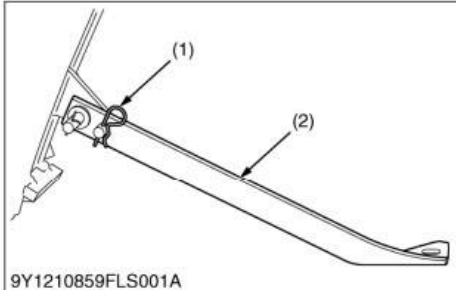
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4. DISMOUNTING FRONT LOADER FROM TRACTOR

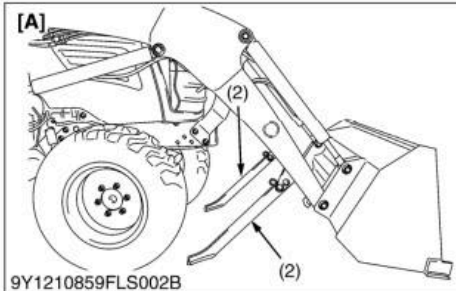
■ IMPORTANT

- When dismantling the loader, park the tractor on flat and hard ground, apply the parking brake.
- When starting the engine or using the hydraulic control valve, always sit on the operator's seat.

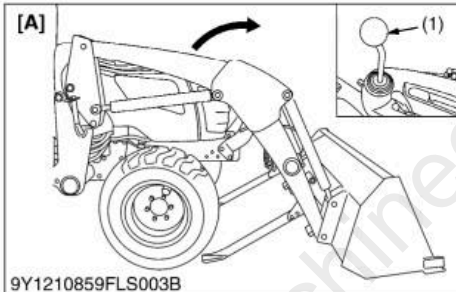
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Stand

1. Start the engine and operate at an idle.
2. Raise the boom until the stands (2) can be rotated.
3. Stop the engine.
4. Remove the spring pins (1) holding the stands (2) to the boom.
5. Rotate the stands until the pin on the stand and hole in the boom are aligned. Then slide the stands (2) outward and insert the spring pin (1) as shown.
6. Start the engine and operate at an idle.
7. Dump the bucket approximately 0.35 rad (20 °).
8. Lower the boom and raise the front wheels slightly.

■ IMPORTANT

- Lift the front wheels with the bucket. Do not try to lift them with the stands.
9. Stop the engine.

- (1) Spring Pin
(2) Stand

[A] Rigid Type Bucket

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Side Frame

1. Remove the mounting pins from the loader main frame and hold them on the boom.
2. Start the engine and operate at an idle.
3. Slowly move the hydraulic control lever (1) to the "ROLL-BACK" position to raise the loader side frames up and out of the receivers of the main frames as shown.
4. Stop the engine.

- (1) Hydraulic Control Lever

[A] Rigid Type Bucket

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Full Version Available

Kubota LA534A-AU 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

<https://machinecatalogic.com/kubota-la534a-au-front-loader-workshop-manual/>