

# WSM

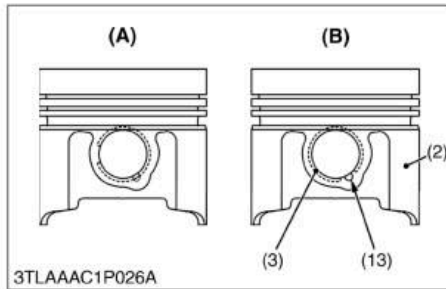
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WORKSHOP MANUAL  
**TRACTOR**

**L4400**

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**Кубота**



### Piston Ring and Connected Rod (Continued)

#### NOTE

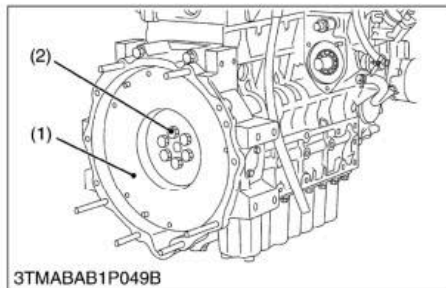
- Be sure not to position the gap of piston pin snap ring (3) facing the piston hollow (13).
- Use new piston pin snap rings when reassembling.

(2) Piston  
 (3) Piston Pin Snap Ring  
 (13) Piston Hollow

(A) Good  
 (B) No Good

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### (4) Crankshaft



### Flywheel

1. Fit the stopper to the flywheel (1).
2. Remove the all flywheel screws (2).
3. Remove the flywheel (1) slowly.

#### (When reassembling)

- Insert two pieces of the flywheel guide screws.
- Check to see that there are no metal particles left on the flywheel mounting surfaces.
- Apply engine oil to the threads and the undercut surface of the flywheel bolt and fit the bolt.

Tightening torque	Flywheel screws	98.0 to 107.8 N·m 10.0 to 11.0 kgf·m 72.3 to 79.5 lbf·ft
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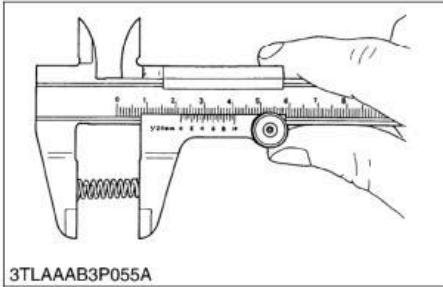
(1) Flywheel

(2) Flywheel Screw

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# **3 TRANSMISSION**

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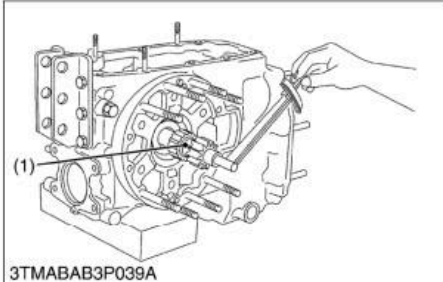
3TLAAB3P055A

### Free Length of the Shift Fork Spring

1. Measure free length of spring with vernier caliper.
2. If the free length is less than the allowable limit, replace.

Free length of the shift fork spring	Factory spec.	22 mm 0.866 in.
	Allowable limit	20 mm 0.787 in.

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### Spiral Bevel Gear Turning Torque

#### NOTE

- It is necessary to adjust the spiral bevel gear turning torque, when replacing the differential gears, transmission case or other relative parts.

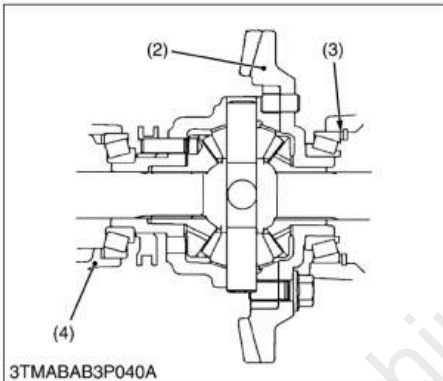
1. Assemble the differential gears to transmission case. At this time, install the some shims (3) to the spiral bevel gear side.
2. Check the turning torque by using turning torque tool (1).  
Turning Torque Tool : Weld socket on the brake shaft  
(Brake shaft Part No. TA040-26710)
3. Add or reduce the thickness of shims (3) to make the specified turning torque.
4. After getting the specified turning torque, divide the thickness of shims to left and right side.
5. Assemble the transmission case and adjust the backlash and tooth contact with spiral bevel pinion.

Turning torque of 37T spiral bevel gear	Factory spec.	3.92 to 6.37 N·m 0.40 to 0.65 kgf·m 2.89 to 4.70 lbf·ft
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- (1) Turning Torque Tool  
(2) 37T Spiral Bevel Gear

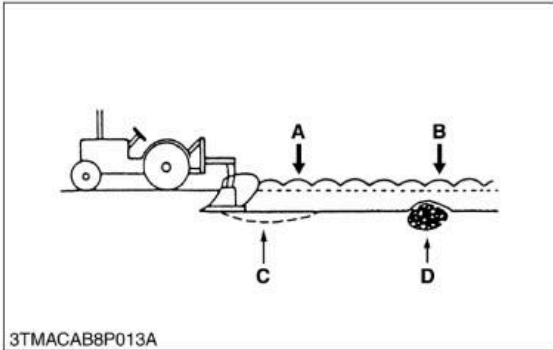
- (3) Adjusting Shim  
(4) Differential Support

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### [3] MIXED CONTROL



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Mixed control is a system combining position control with draft control.

When traction load increases, the draft control functions to raise the lift arms (implement). When traction load decreases, the lift arms (implement) lower to the height set by the position control lever.

With the position control only when traction load increases, slippage or engine stop may occur unless the implement is raised.

With the draft control only, plowing depth cannot be kept constant if soil hardness changes greatly.

The mixed control serves to eliminate such disadvantages.

**A : Position controlled**

**B : Draft Controlled**

**C : Not Deep Even in Soft Soil**

**D : Shallow where Resistance**

**Occur**

W1015281

# Full Version Available

Kubota L4400 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**

<https://machinecatalogic.com/kubota-l4400-tractor-workshop-manual/>