

# WSM

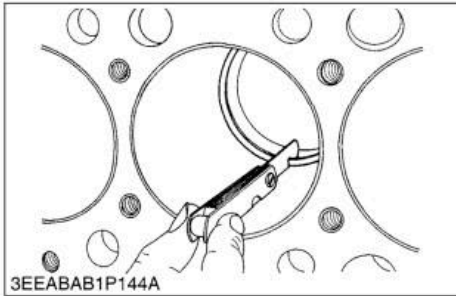
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WORKSHOP MANUAL  
TRACTOR

**B3150, B3150SU**

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**Kubota**

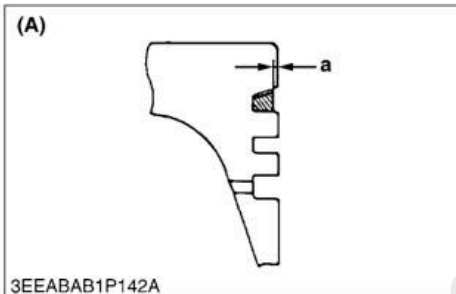


**Piston Ring Gap**

1. Insert the piston ring into the lower part of the cylinder (the least worn out part) with a piston.
2. Measure the ring gap with a thickness gauge.
3. If the measurement exceeds the allowable limit, replace the piston ring.

Piston ring gap	Top ring	Factory specification	0.20 to 0.35 mm 0.0079 to 0.014 in.
		Allowable limit	1.20 mm 0.0472 in.
	Second ring	Factory specification	0.40 to 0.55 mm 0.016 to 0.021 in.
		Allowable limit	1.20 mm 0.0472 in.
	Oil ring	Factory specification	0.30 to 0.55 mm 0.012 to 0.021 in.
		Allowable limit	1.25 mm 0.0492 in.

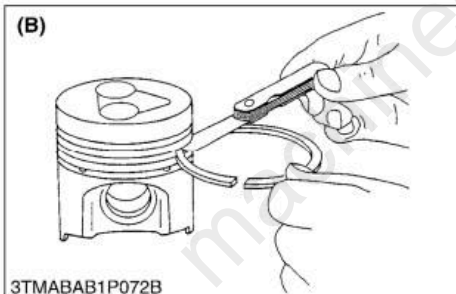
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**Clearance between Piston ring and Piston Ring Groove**

1. Clean the rings and the ring grooves, and install each ring in its groove.
2. Measure the clearance between the ring and the groove with a feeler gauge or depth gauge.
3. If the clearance exceeds the allowable limit, replace the piston ring.
4. If the clearance still exceeds the allowable limit with new ring, replace the piston.

Clearance between piston ring and piston ring groove	Second ring	Factory specification	0.0950 to 0.122 mm 0.00374 to 0.00480 in.
		Allowable limit	0.2 mm 0.008 in.
	Oil ring	Factory specification	0.020 to 0.060 mm 0.00079 to 0.0023 in.
		Allowable limit	0.15 mm 0.0059 in.

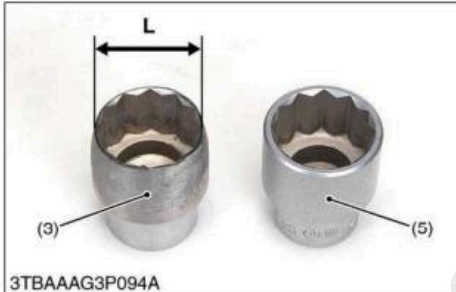
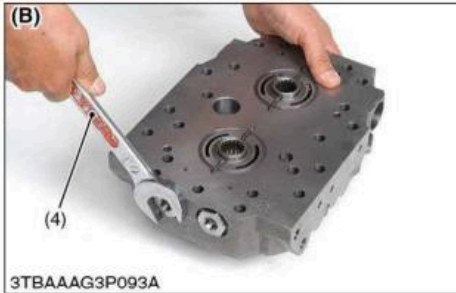


Factory specification: a	More than 0.2 mm 0.008 in.
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(A) Top Ring (Key Stone Type)

(B) 2nd, Oil Ring

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**Removing Neutral Valve**

1. Remove the neutral valve (1) with the ratchet handle and the thin socket (27 mm).

**(When reassembling)**

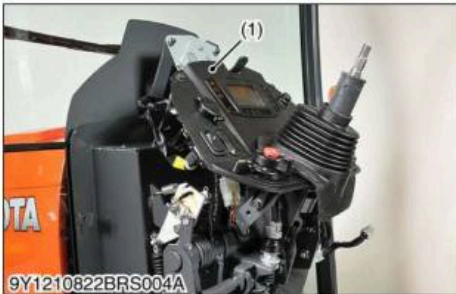
Tightening torque	Neutral valve body	59 to 78 N·m 6.1 to 7.9 kgf·m 44 to 57 lbf·ft
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- (1) Neutral Valve
- (2) Ratchet Handle
- (3) Thin Socket (27 mm)
- (4) Spanner (27 mm)
- (5) Common Socket (27 mm)

- (A) Using correct tools  
 (B) Using wrong tools  
 L: Outside diameter  
 (Approx. 27 mm, 1.06 in.)

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### Panel Lower Cover

1. Remove the panel lower cover (1).

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|-----------------------|----------|
| (1) Panel Lower Cover | (2) Bolt |
|-----------------------|----------|

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### Meter Panel

1. Remove the meter panel mounting bolts and disconnect the each connectors.
2. Remove the meter panel (1).

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|-----------------|
| (1) Meter Panel |
|-----------------|

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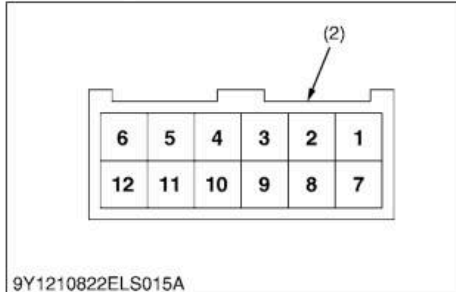
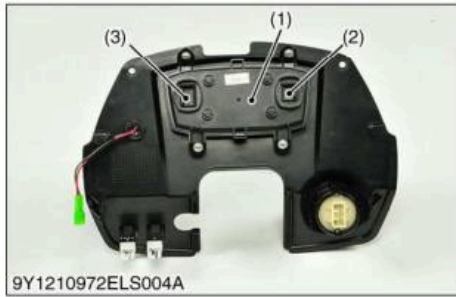
### Brake Pedal and Brake Rod

1. Remove the brake pedal shaft support (2) and parking brake lever (4).
2. Remove the brake pedal rods (7), (8).
3. Tap out the spring pin and pull out the brake pedal shaft (1) to the right.
4. Remove the brake pedals (5), (6) and springs (3).

- |                               |                        |
|-------------------------------|------------------------|
| (1) Brake Pedal Shaft         | (5) Brake Pedal LH     |
| (2) Brake Pedal Shaft Support | (6) Brake Pedal RH     |
| (3) Spring                    | (7) Brake Pedal Rod LH |
| (4) Parking Brake Lever       | (8) Brake Pedal Rod RH |

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### [3] METER PANEL



#### Arrangement of Digital Display Connector Pin

##### ■ ROPS

##### [Connector 1]

Terminal No.	Item	Color of wiring
1 to 5	Blank	–
6	L Terminal	L/R
7 to 10	Blank	–
11	PTO ON/OFF	P/L
12	Turn Signal (Left)	Sb

##### [Connector 2]

Terminal No.	Item	Color of wiring
1	Turn Signal (Right)	V
2	Glow Plug	M
3	Oil Switch	G/B
4 to 8	Blank	–
9	Fuel Gauge	L
10	Water Temperature Gauge	M/R
11	GND	B
12	Panel Meter Switch	P/W
13	Engine Revolution	M/Y
14	Blank	–
15	Battery	Y/L
16	Main Switch	L/R

(1) Digital Display

(2) Connector 1 (Display Side)

(3) Connector 2 (Display Side)

(To be continued)

# Full Version Available

Kubota B3150 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-b3150-tractor-workshop-manual/>