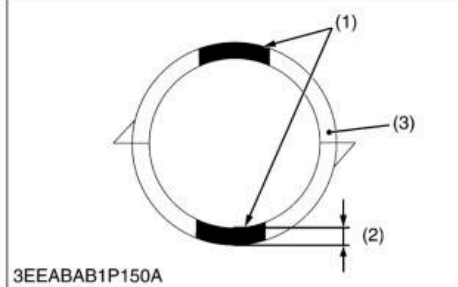
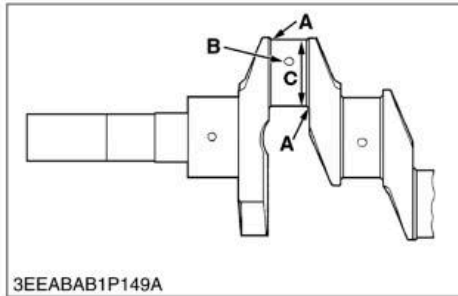


WSM

WORKSHOP MANUAL
TRACTOR

ME8200, ME9000

Kubota



Oil Clearance between Crankpin and Crankpin Bearing (Continued)

■ IMPORTANT

- **STD size crankpin bearing for V3300.**

To replace it with a specific STD service part, make sure the crankpin bearing has the same ID color as the connecting rod.

ID Color	Connecting rod	Crankpin bearing		
	Large-end in. dia.	Class	Part code	Center wall thick
Blue	56.01 to 56.02 mm 2.2051 to 2.2055 in.	L	1C020-22311	1.500 to 1.505 mm 0.0590 to 0.0593 in.
Yellow or without color	56.00 to 56.01 mm 2.2047 to 2.2051 in.	S	1C020-22331	1.495 to 1.500 mm 0.0559 to 0.0590 in.

(Reference)

- Undersize crankpin bearing

Undersize	Bearing	Code Number	Marking
0.2 mm 0.008 in.	Crankpin bearing 02	1C020-22960	020 US
0.4 mm 0.016 in.	Crankpin bearing 04	1C020-22970	040 US

- Undersize dimensions of crankpin

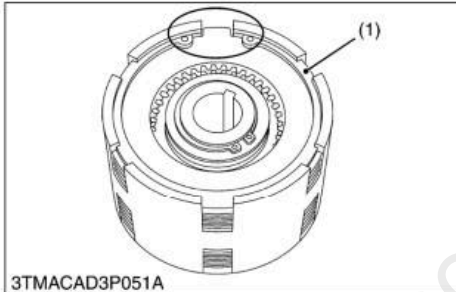
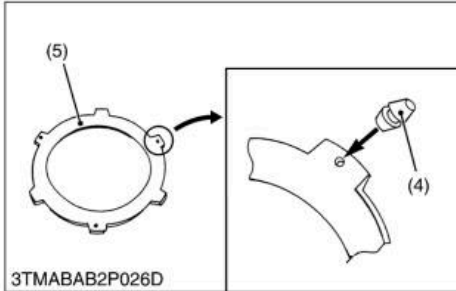
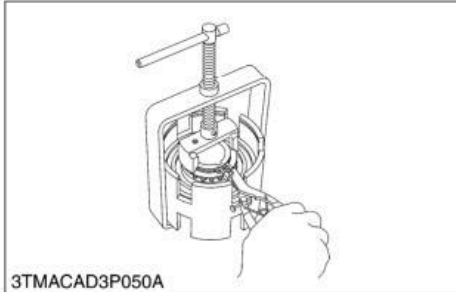
Undersize	0.2 mm 0.008 in.	0.4 mm 0.016 in.
Dimension A	2.8 to 3.2 mm radius 0.1102 to 0.1260 in. radius	2.8 to 3.2 mm radius 0.1102 to 0.1260 in. radius
Dimension B	1.0 to 1.5 mm radius 0.0394 to 0.0591 in. radius	1.0 to 1.5 mm radius 0.0394 to 0.0591 in. radius
Dimension C	52.777 to 52.790 mm dia. 2.0778 to 2.0783 in. dia.	52.577 to 52.590 mm dia. 2.0700 to 2.0705 in. dia.
(0.8-S)		
The crankpin must be fine-finished to higher than ∇∇∇∇.		

(1) ID Color

(3) Crankpin Bearing

(2) Center Wall Thick

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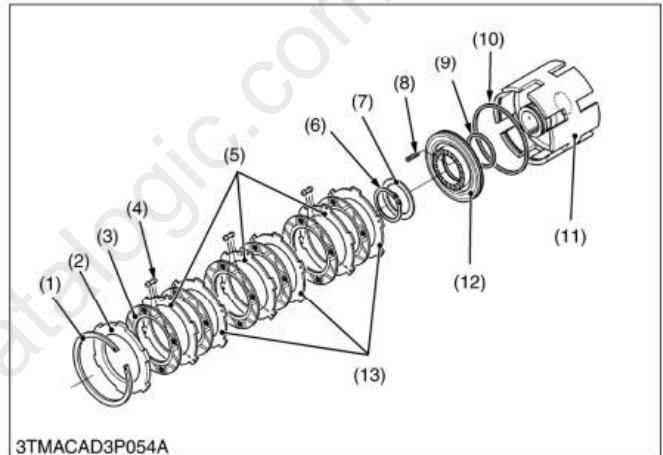


Shuttle Clutch Pack

1. Remove the internal circlip (1), and then take out the pressure plate (2), the clutch discs (3) and steel plates (5) and (13).
2. Remove the external circlip (6) using a shuttle clutch compression tool (see page G-57), and take out the springs (8) and piston (12).

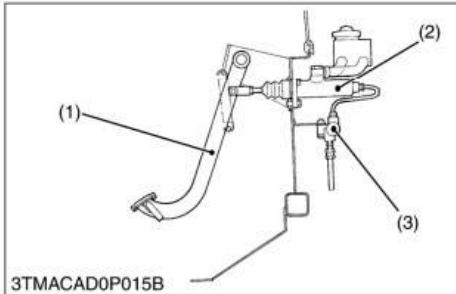
(When reassembling)

- When installing the internal circlip (1) to the clutch body, align its split portion to the notched portion of clutch body.
- Replace the D-ring (10) with new one.
- Apply transmission fluid to the D-ring (10), and take care not to damage it.
- Assemble the steel plates (5) with rubber (4) and steel plates without rubber (13) alternately, and steel plates are built in so that the part of rubber is not corresponding to the part of the hole.
- Confirm the moving of the piston (12) smoothly when pressure air at 0.5 to 0.6 MPa (5 to 6 kgf/cm², 72.5 to 87 psi) is sent to clutch pack.



- | | |
|-------------------------------|-----------------------------------|
| (1) Internal Circlip | (8) Spring |
| (2) Pressure Plate | (9) O-ring |
| (3) Clutch Disc | (10) D-ring |
| (4) Rubber | (11) Clutch Body |
| (5) Steel Plate (with Rubber) | (12) Piston |
| (6) External Circlip | (13) Steel Plate (without Rubber) |
| (7) Thrust Collar | |

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3) Equalizer Working Level

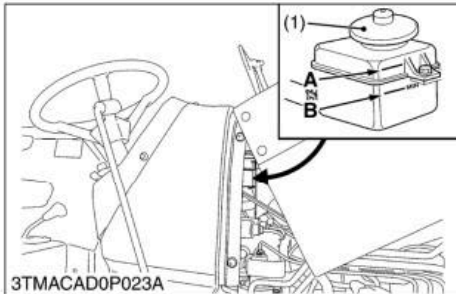
1. Gently step on both the right and left pedals at once with your both feet. Step on the right pedal all the way (the left pedal rises). Measure the level difference between the two pedals.
2. Next step on the left pedal all the way and measure the level difference.
3. If the measurement is not within the factory specification, check the equalizer (3).

Level difference between two pedals	Factory spec.	Less than 10 mm 0.4 in.
-------------------------------------	---------------	----------------------------

(1) Brake Pedal
(2) Master Cylinder

(3) Equalizer

W1039799



Brake Oil

1. Make sure that the brake oil reservoir is filled with the specified amount of brake oil.
2. If the brake oil is insufficient, replenish the specified brake oil.

■ IMPORTANT

- Never operate the tractor, if the brake oil is below the "MIN" line.
- Wipe the oil reservoir cap (1) and its surrounding before removing it.
- When pouring the brake oil, be sure to use the filter and take care not to allow dust or water to enter.

Brake Oil	Capacity	0.3 L 0.32 U.S.qts 0.26 Imp.qts
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(1) Reservoir Cap

A : MAX Level
B : MIN Level

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■ Precautions for Brake Oil Handling

- Do not mix brake oils of different brands. If brake oils of different brands are mixed, chemical reaction may occur, causing the boiling point to drop remarkably. The boiling point may also drop even when chemical reaction does not occur, which could result in possible vapor lock. Therefore, when disassembling, use the specified brake oil for cleaning.
- Prevent entry of moisture.
Entry of moisture results in lower the boiling point.
- Do not mix with brake fluid for automobiles.
The specified brake oil is mineral oil. The cylinder cups and brake seals used are made of nitrile rubber (NBR) that is compatible to mineral oils. Automobile brake oil, which is vegetable oil, can deteriorate cylinder cups and brake seals rubber when mixed, and the brake may malfunction.
- Be sure to cover brake oil containers to prevent dust, dirt and water from entering.

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Full Version Available

Kubota ME8200 Tractor 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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