Kubota

KA-10 Series Scale

Conversion to Counting Scale

RICE LAKE WEIGHING SYSTEMS
Industrial Solutions on a Global Scale®

ISO 9001 REGISTERED

16851

Contents

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Introduction

Unless modified at the factory by special request, the Kubota KA-10HB floor scale models are shipped as legal-for-trade scales that are Handbook 44 certified. If your scale was ordered as a counting scale, the model number will not include the HB designation, and the counting feature of the scale will be enabled.

Any HB model scale can be modified on location as a counting scale, but the scale then becomes non-certified as a Handbook 44 legal-for-trade scale.

Note: Upon initial power up, a large zero error may be present. After switching power on, if the full display appears but then changes to a bar, this indicates a large zero error. This is often caused by jarring of the load cell during shipping. The scale can easily be restored to normal function by following the steps below.

Calibrating for Zero

Use the following steps to calibrate for zero.

1. Switch power off.
2. Press and hold both zero key and set key. Switch power back on.
3. Keep zero key depressed; release set key and press the tare key.
4. The display should return to 0 and procedure is complete.
5. If the display does not return to 0, go to zero and span calibration procedure listed under “Zero and Span Adjustment Changes” on page 3.

Converting to Counting Scale

Use the following steps to convert the KA-10HB to a counting scale.

1. Power down the KA-10HB and open cover on indicator.
2. Remove the four screws from metal backplate covering the CPU board and remove the backplate.
3. Locate JP-1 on board (see Figure 1 below). Remove the jumper from JP-1 and put jumper on JP-2.

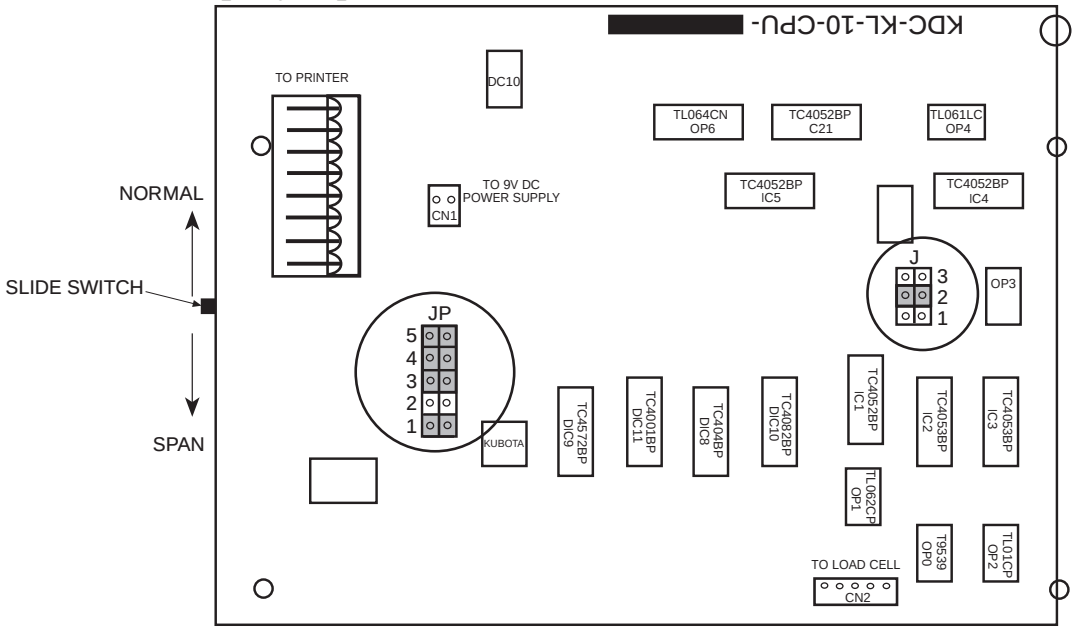

Figure 1. KA-10 CPU Board

4. Make sure the two ground wires are not touching the CPU then turn the indicator on.
5. Press select/unit key. Indicator goes into parameter mode.
6. Press select/unit key to advance parameters until parameter A2 is shown.
7. Press S key to change parameter:

   A2-0=HB-44

   A2-1=Counting (Not-Legal-For-Trade)
8. Turn indicator off. Locate J-2 and remove jumper and place on J-1.
9. Turn indicator back on and press select/unit key to check operation.
10. Turn the indicator off. Screw the back plate on, making sure that ground wires are in correct position, unless a zero and span adjustment, or a dead load adjustment need to be done.
11. Close indicator cover.

Note: When the counting scale is enabled, the scale is no longer legal-for-trade according to Handbook 44. Stickers provided are to be applied over HB portion of model number on the front and back of the indicator

Zero and Span Adjustment Changes

Use the following steps to adjust zero and span changes.

1. Remove the four screws that secure the metal backplate covering the CPU board.
2. With power off, press the slide switch located on the left hand side of CPU board down to span position (see Figure 2 on page 4).
3. Switch power on by pressing the on/off key. Be certain the scale is level.
4. The number displayed is the internal dead load count.
5. Press the zero key to bring the display to 0.
6. Place a calibration test weight (see table below) on platform and wait for the indicator to become stable.

Scale Capacity	Recommended Calibration Weight
70 lb	60 lb
150 lb	150 lb
300 lb	300 lb

Table 1-1. Recommended Calibration Weight

7. When stable, press and hold set key, then press the select key. The display should read as follows:

Scale Capacity	Displayed Reading
70 lb	30,000 +/– Grad
150 lb	37,500 +/– Grad
300 lb	30,000 +/– Grad

Table 1-2. Displayed Readings

8. Remove the test weight from the platform. The display should return to a zero reading. If not, repeat steps 4, 5, 6, and 7 above.
9. Turn power off.
10. Turn power back on and press zero key to check adjustments.
11. When span adjustment is complete, turn power off and return slide switch upward for normal operation.
12. Replace the metal backplate over CPU board.

Dead Load Adjustment Changes

Use the following procedure to adjust the dead load.

1. Remove the four screws securing the metal backplate covering the CPU board.

   Looking at the CPU board, the slide switch is located on the left-hand side of board (see Figure 2).

   The switch is up for normal weighing, down for calibration and zero set.

2. With the indicator off, press the slide switch down to the span position.
3. With added dead load on platform, turn power on. Press the zero button.
4. When dead load adjustment is complete, turn power off and return slide switch upward for normal operation.
5. Replace cover metal back plate cover over the CPU board.

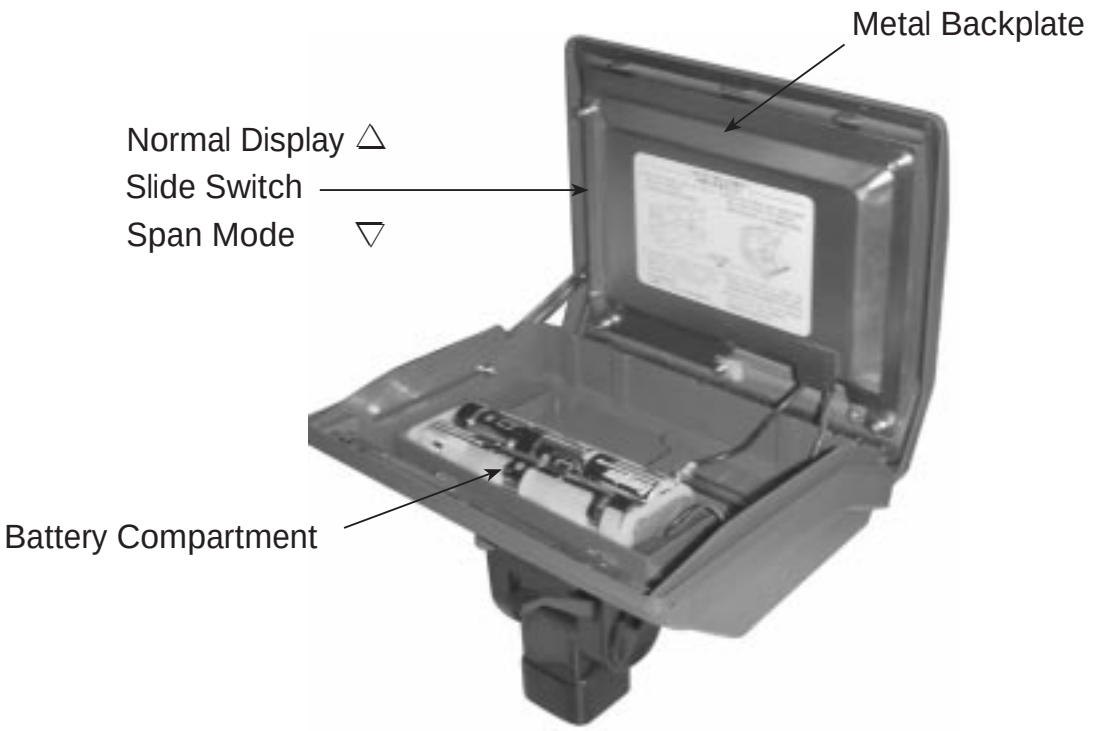

Figure 2. Location of Slide Switch

Kubota KA-10 Limited Warranty

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RLWS warrants that the equipment sold hereunder will conform to the current written specifications authorized by RLWS. RLWS warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, RLWS will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

- Upon discovery by Buyer of such non-conformity, RLWS will be given prompt written notice with a detailed explanation of the alleged deficiencies.
- Examination of such equipment by RLWS confirms that the non-conformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair or improper testing; RLWS shall be the sole judge of all alleged non-conformities.
- Such equipment has not been modified, altered, or changed by any person other than RLWS or its duly authorized repair agents.
- RLWS will have a reasonable time to repair or replace the defective equipment. Buyer is responsible for shipping charges both ways.
- In no event will RLWS be responsible for travel time or on-location repairs, including assembly or disassembly of equipment, nor will RLWS be liable for the cost of any repairs made by others.

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