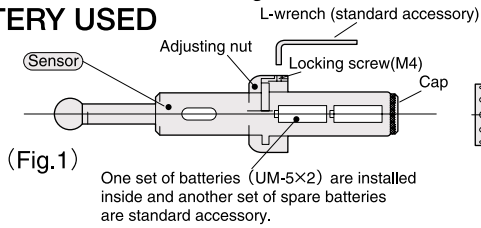


Thank you for your purchase of NIKKEN products. We can recommend our products with our confidence, however, please read this manual for long terms. And, please keep it where the operator can refer to it whenever necessary.

## BT/IT Shank TOUCH POINT

BT/IT-TP200 has Z axis floating mechanism. It consists of 2 parts, the shank body and the sensor.

### ■ BATTERY USED



### ■ REPLACEMENT OF BATTERY

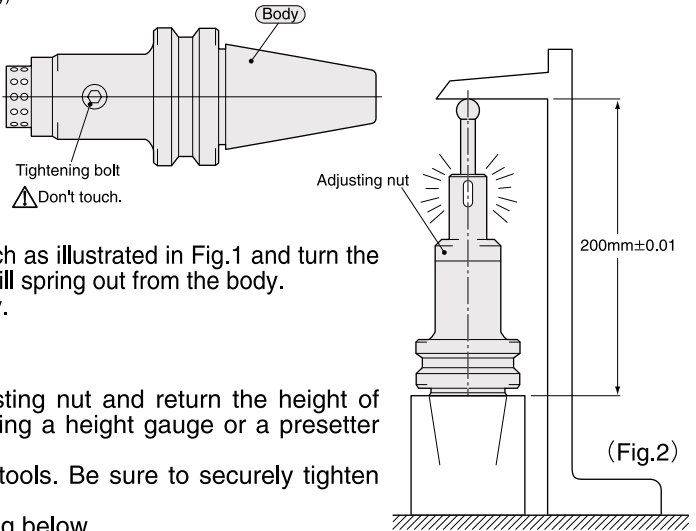
- Loosen the locking screw by the attached L-wrench as illustrated in Fig.1 and turn the adjusting nut counterclockwise, then the sensor will spring out from the body.
- Remove cap and replace the batteries correctly.

⚠ Don't touch the tightening bolt at the body.

### ■ REASSEMBLY OF SENSOR

After completion of replacement, turn the adjusting nut and return the height of sensor to its original value  $200 \pm 0.01$ mm by using a height gauge or a presetter as shown by Fig.2.

This adjustment may be done on the machine tools. Be sure to securely tighten the locking screw(M4) after the adjustment. Please do not forget the confirmation of lightening below.



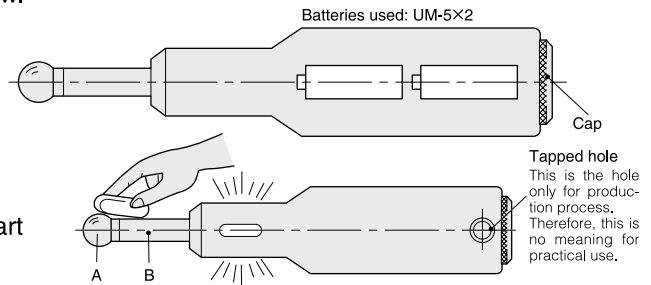
## Straight Shank TOUCH POINT

### ■ Battery

Take off the cap and insert batteries correctly. Do not insert batteries upside down.

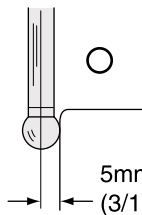
### ■ CONFIRMATION OF LIGHTING

Confirm the lighting of red lamp with touching (A)-(B) part with a metal material (clip, L-wrench, etc.)

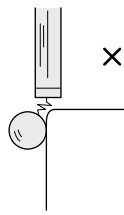


## MEASURING METHOD

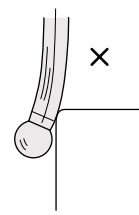
- Stop rotation of the spindle. Move the TOUCH POINT slowly to the work piece.
- As soon as the ball (dia.  $\phi 10$ mm [ $\phi 3/8$ "]) touches the work piece, the red lamp lights up.



Move the ball slowly to the work piece.



Do not hit the ball too much!



Do not touch the shaft.

### ⚠ CAUTION

- TOUCH POINT can not be used for the work piece without conductivity.**
- Please avoid to use under presence of coolant.
- Quotation fee of the repair is always necessary whether repair or not.

This manual is for basic instruction and information for safety use of our product. Please contact with us for the further details. Please note that we could not take a responsibility of the accidental damage on our product which is modified the specifications by the customer without our approval.

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