

## ■ Attention in installation

### ⚠ Matter of attention

Warning may cause injury or accident that may harm to the operator.  
Don't do these things described here.

#### About carrying

- Please confirm there is not loosening in the guide plate fixation bolt when unit is transported.  
This unit might decompose and accessories fall.

- Please never do its hanging with the cable of the load cell when this unit is transported.  
The load cell might be disconnected, and this unit might fall.

The load cell might be disconnected, and this unit might fall.

#### About installing place

- Please work very carefully on the safety when you set up this unit.
- Please use the instrument where the temperature/humidity specifies with the range as follows

Environmental temperature: -20 °C to 70 °C

Environmental humidity :85 %RH or less (recommendation)

- Please install the bolt surely in consideration of the locking when you set up this unit.

When this is neglected, the specification of this unit might be damaged.

- Please do not weld the plate section of this unit directly with the structure (beam and bracket, etc.).  
The specification of this unit might be damaged.

- Please protect the load cell cable with the piping material.

There might be caused the insufficient insulation resistance or disconnection due to the coating deterioration by the injury, the medicine, and washing.

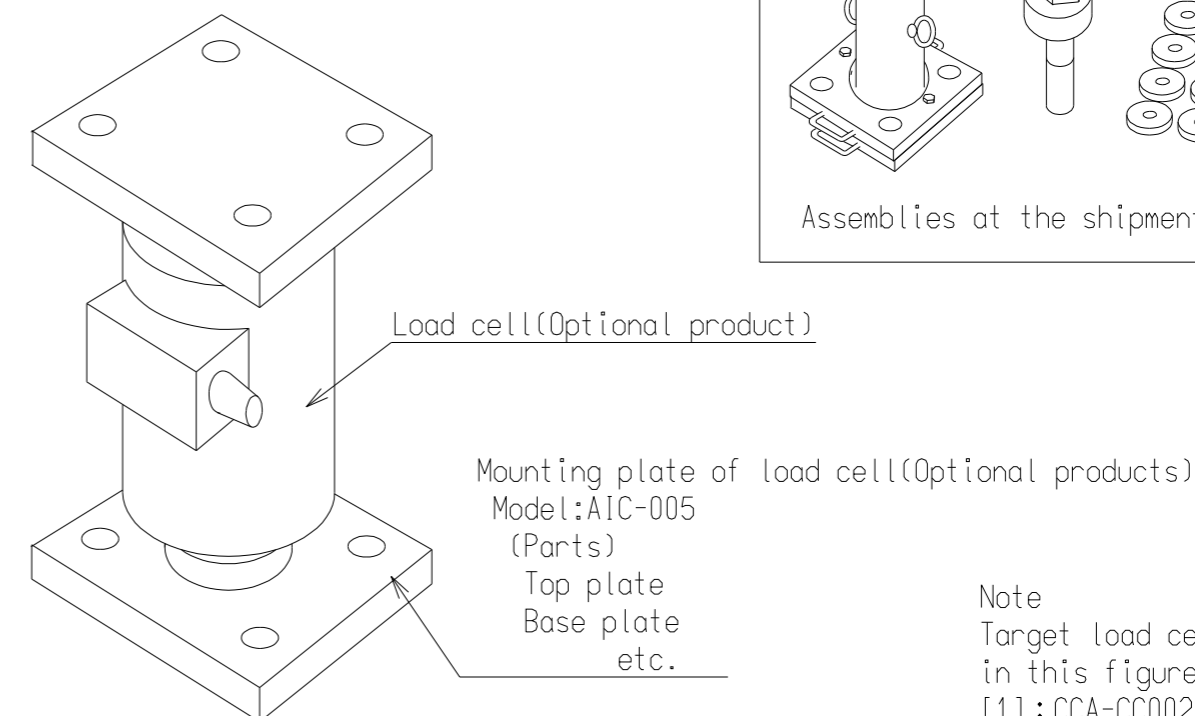
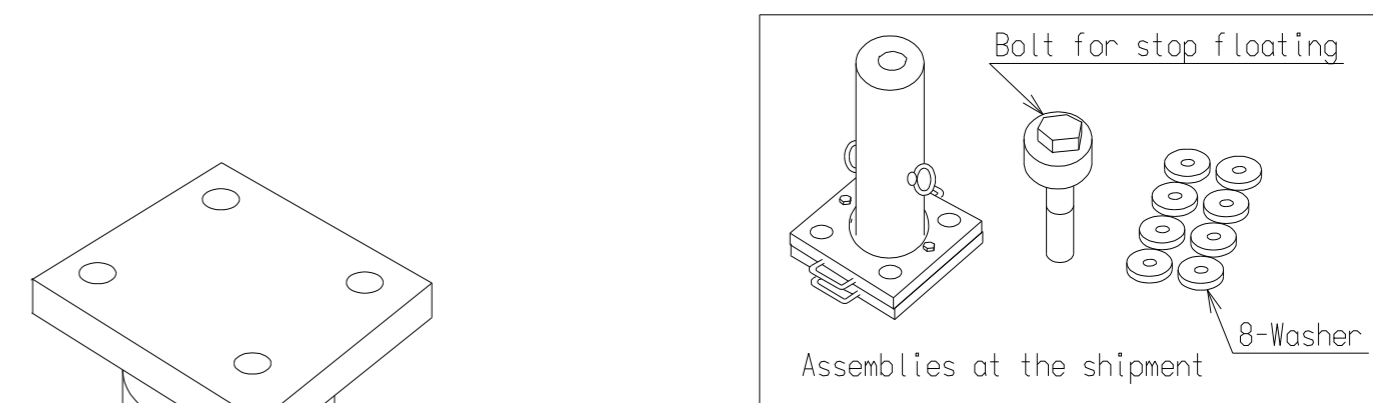
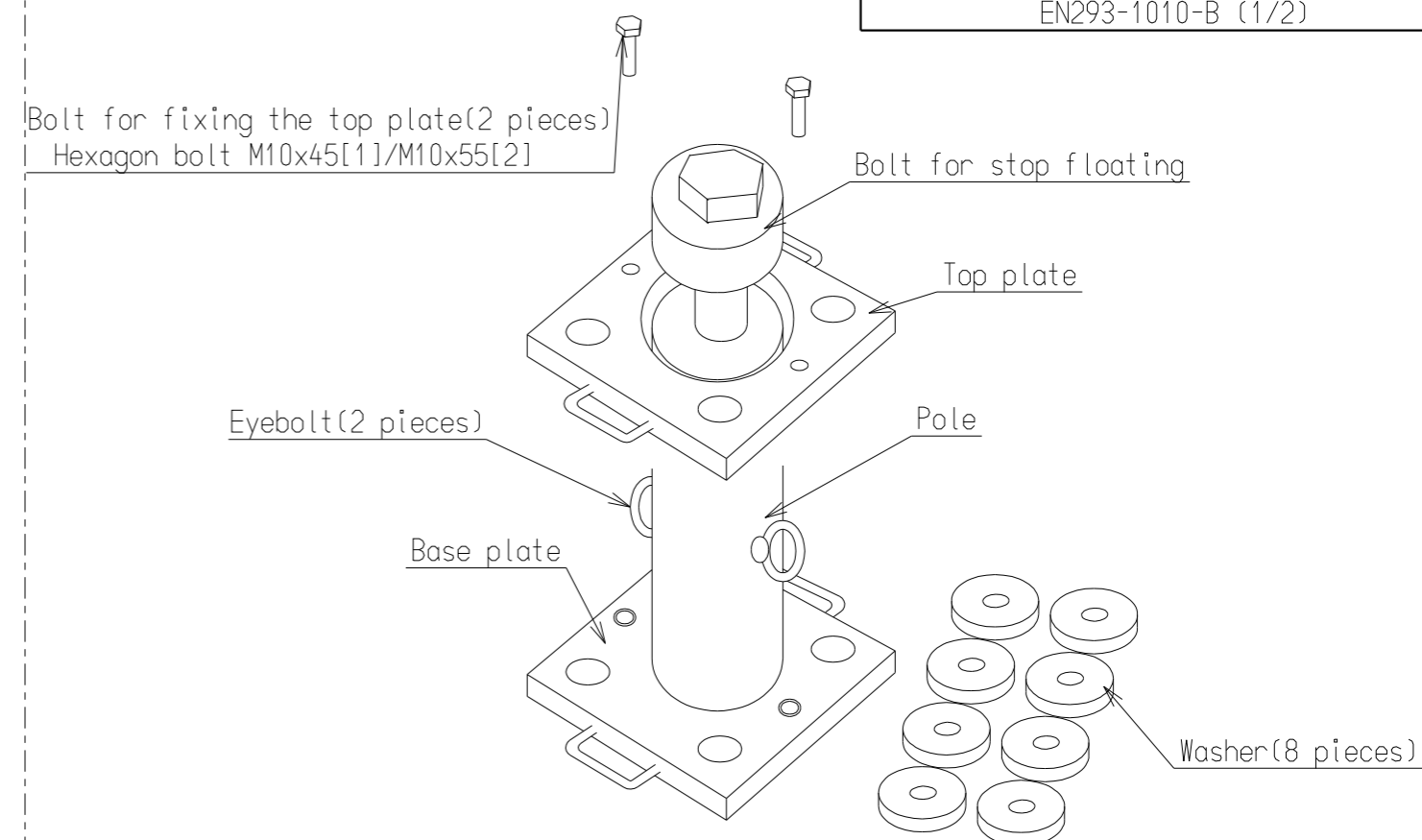
- Please keep this instruction manual and detached parts.

When the system of this unit is maintained, they are needed.

## ■ Revision history

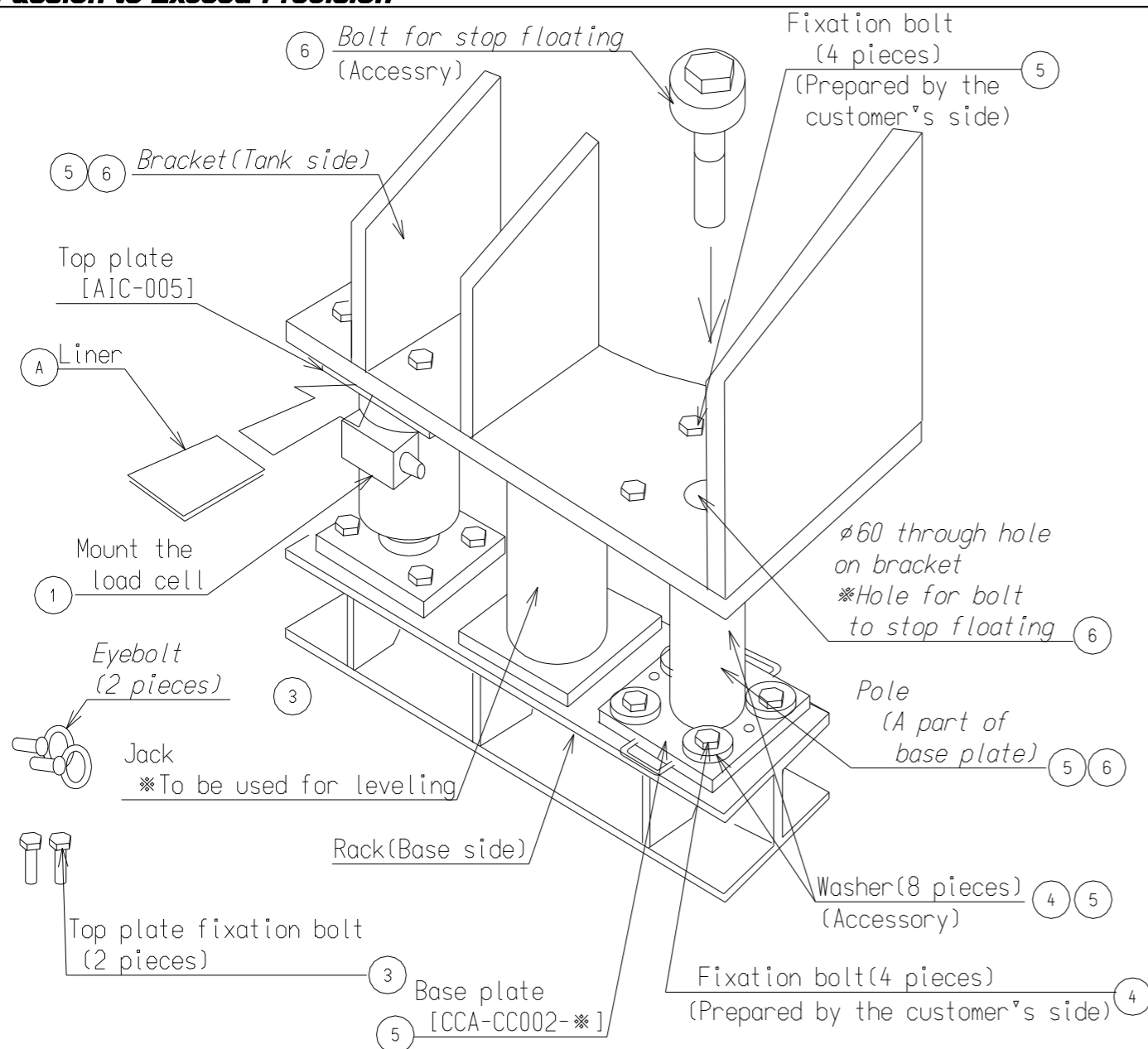
Date	Instruction NO.	Content
Jun,2001	DWG NO.EN293-1010	First edition
Nov,2010	DWG NO.EN293-1010A	FN10-02140
May,2012	DWG NO.EN293-1010B	FN12-01052

## ■ Name of each section



\*Load cell is fixed separately.

Note  
Target load cell attachment  
in this figure  
[1]: CCA-CC002-20T  
[2]: CCA-CC002-30T



### ■ Example of mounting procedure

- ① The load cell is separately set up with the mounting bracket beforehand.
- ② The mounting attachment is put on the rack.
- ③ The eyebolt and the top plate fixation bolt are removed.
- ④ The top plate is fixed to the bracket by the washer.
- ⑤ The base plate is fixed to the rack by the washer.

It is confirmed that the space between the pole and the top plate through hole is uniform. (B)

- ⑥ The bolt for stop floating is installed in the pole through the bracket.

Please control the space with the bracket. (C)

The passing hole of the bracket and the space of the bolt are confirmed.

### ■ Example of adjustment procedure

After this unit is set up, the following mounting adjustments are to be proceeded.

Ideal condition

- When the tare weight is loaded, the output of load cell is suppressed less than 30%(standard) of the difference against an even sharing.
- However, when the center of gravity position shifts extremely from the support point center, it is not that.
- The interval between the pole and the top plate through hole is made uniform on the circumference.
- The space between the stop floating bolt and the bracket is controlled.

### (A) Method of adjusting level

- What is level adjustment?

To adjust the level so that each load cell may evenly allot the tare weight (mass of the tank) .

- Adjustment by the liner

The liner is placed to the load cell section of which tare sharing is low. Each of several liners (0.1, 0.2, 0.5 or 1 mm) is prepared.

Procedure

Confirm the tare sharing

Jack up the tank

Loose a fixed bolt on the bracket side

Place the liner between the bracket and the top plate.

Load the tank.

Tighten a fixation bolt on the bracket side.

### (B) Non-contact with the pole

Reason

:The accuracy is influenced when the pole contacts with.

Confirming method

:To confirm the space, the pen is passed through the space between the pole and top plate.

Adjustment procedure

:loose the fixation bolt on the bracket side  
adjust the space by moving the top plate.  
tighten the fixation bolt on the bracket side.

Note

:It is possible to make surely by preparing the pen like figure.

### (C) Non-contact with the stop floating bolt

Reason

:The accuracy is influenced when the bolt contacts with.

Confirm method

:The dimension of the space between the stop floating bolt and the bracket is checked.

Adjustment procedure

:turn the stop floating bolt and move it up and down.

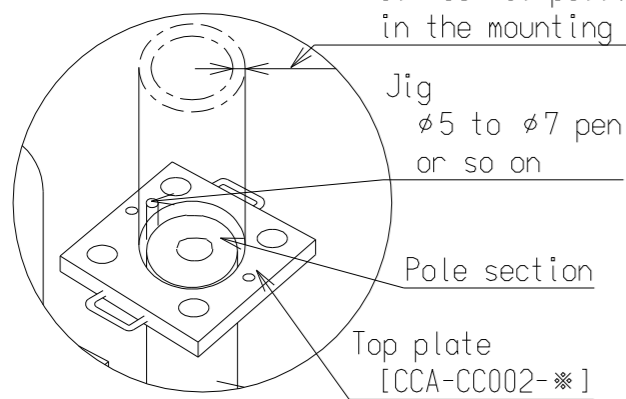
Amount of space

:The height of engagement of a load cell and a mounting bracket AIC-005 is about 6 mm.

### (B) Non-contact point of pole

Space

\*The bias are lost as much as possible in the mounting



\*Figure of the bracket in the explanation is omitted.

### (C) Non-contact of bolt for stop floating

Bolt for stop floating

Bracket

Space (~5mm)

