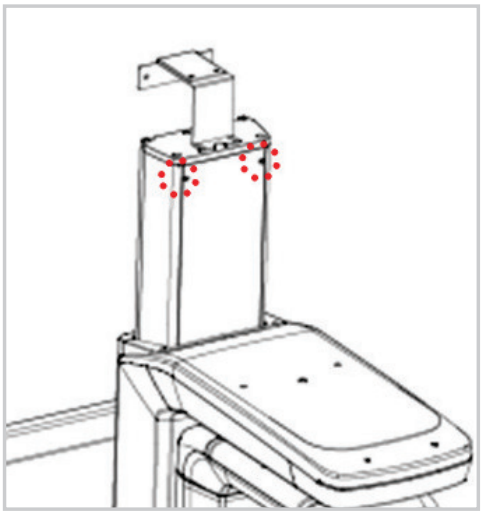
C. Limiting the Column Height

This section explains how to limit the column height within permissible range.

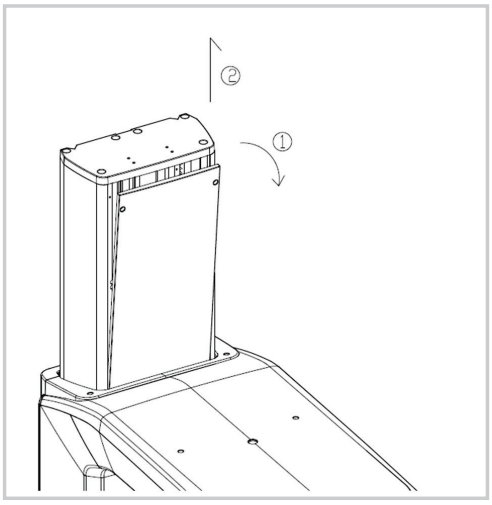
1. Measure the ceiling height in the X- ray shield room : $H_{ceiling}$

< Removing the column covers >

2. Remove two Fixing Bolts as shown in the figure.



3. Remove the Column Rear-Top Cover as shown in the figure.



Determining the Height

1. Determine the screw height using the following formula.

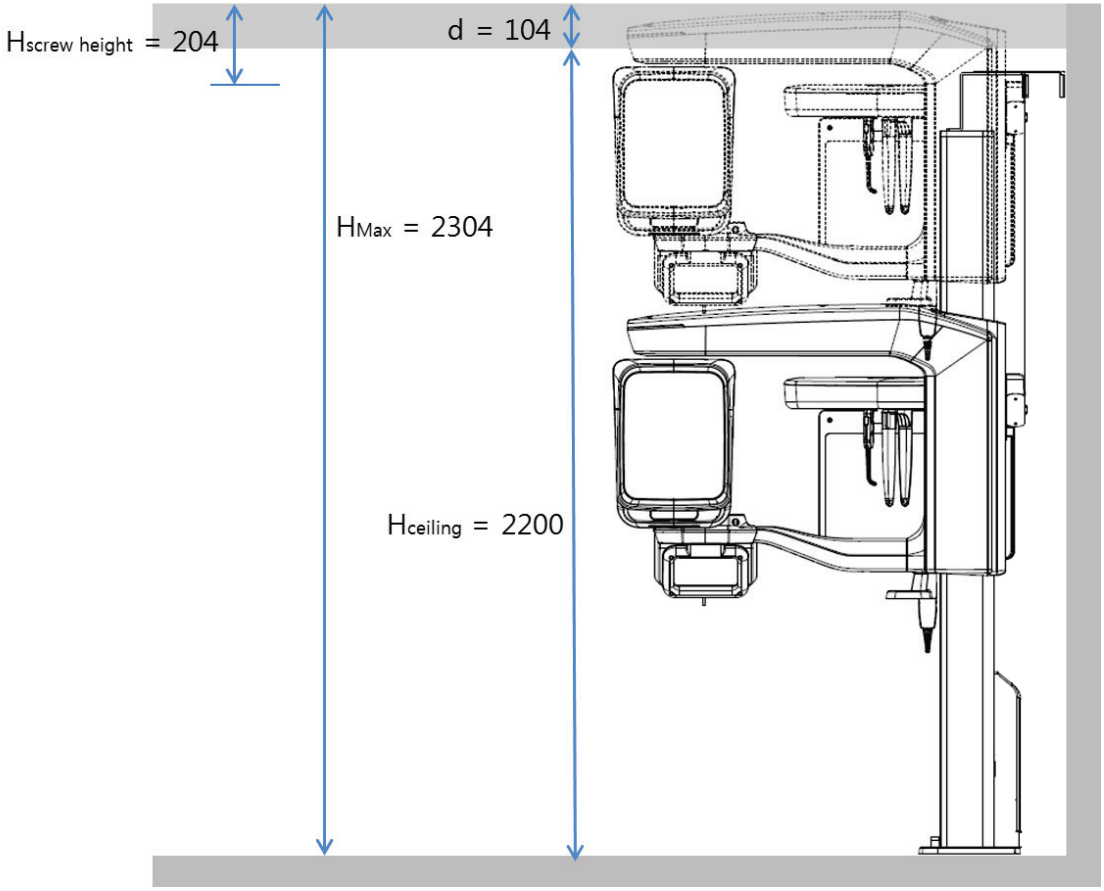
$H_{screw\ height} = 100\ mm - d$

- 100 mm: the minimum desired distance between ceiling and the top of the eqipment when the column is fully extended.
- $d = H_{ceiling} - H_{Max} = H_{ceiling} - 2304$ mm (Example hight: The height of the equipment without Base)

Ex) If $H_{ceiling}$ is 2200 mm, $H_{screw\ height}$ value is calculated as follows:

- $d = H_{ceiling} - H_{Max} = 2200\ mm - 2304\ mm = -104\ mm$
- $H_{screw\ height} = 100\ mm - d = 100\ mm + 104\ mm = 204\ mm$

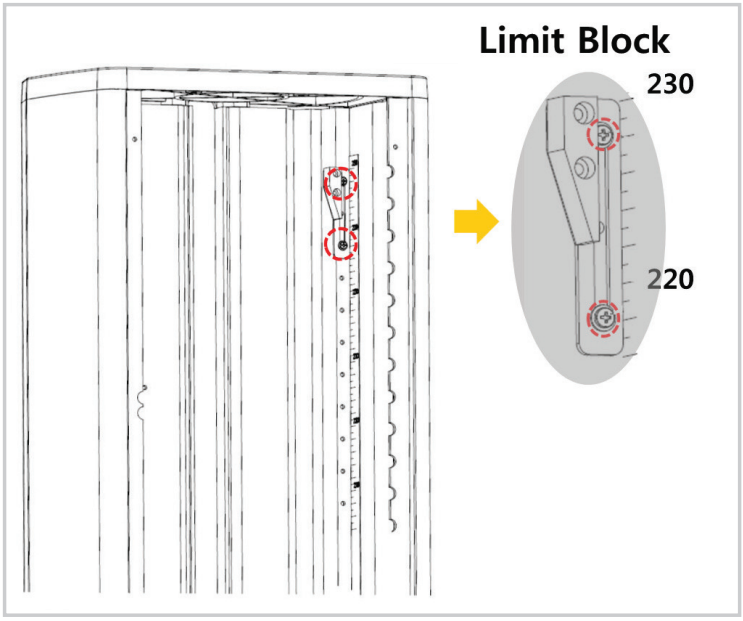
(If d is more than 100 mm, the column height limit is not necessary.)



Adjusting the Screw Height

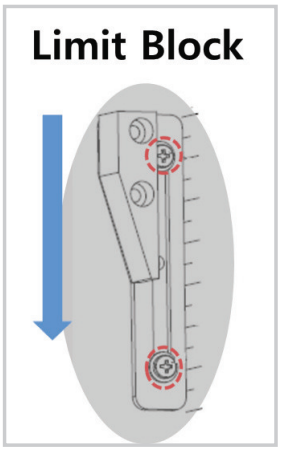
We know the $H_{screw\ height}$ is 204 mm from the previous example. So we will move the screw from the default (current) position to new one.

1. Loosen two bolts halfway **(important!)**.



IMPORTANT	Do not unscrew completely the bolt. If not, it could drop into the column and may cause a big trouble to retrieve it out.

2. Looking up the scale, slide the Limit Block down to new location ($H_{screw\ height}$ = 236 mm) and fix it back.



3. Put the covers back in reverse order and fix them with the bolts.