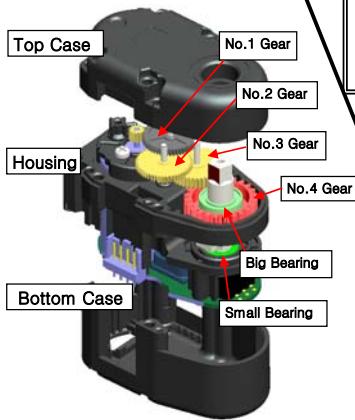


■ wCK Main parts name



* wCK Module Gear Replacement when Module Gear was broken.
Model name : wCK-1108(K/T), wCK-1111(K/T)

■ Cautions:

1) This tutorials describes how to replace wCK module gear. This material is for robot professional user. Any responsibilities after disassembling wCK module goes to users. If damaged during assembling and disassembling procedures, users will not get free warranty service.

2) You must use proper Gear after checking wCK module name.

- You can be known exact wCK module name by check stick in the center. (You will find two sticker. one is on the top case the other is on the bottom case.)
- Silver sticker is for wCK-1108(K/T), and Gold one is wCK-1111(K/T).

3) wCK modules of 5710K, or 5710T-S02 are consisted of

- wCK-1111 4 EA (ID No. 2, 3, 7, 8),
- wCK-1108 12 EA (the rest No. IDs from No. 0 to 15)

■ Model Picture



■ wCK Module Gear Comparison Guide

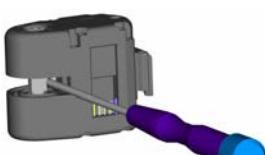
	wCK-1108(K/T)	wCK-1111(K/T)
No. 1 Gear	wCk-1108, wCK-1111 common part	
No. 2 Gear	wCK-1108 only	wCK-1111 only
No. 3 Gear	wCK-1108 only	wCK-1111 only
No. 4 Gear	wCK-1108 only	wCK-1111 only

① Unscrew 5 bolts by using "+" screw driver.



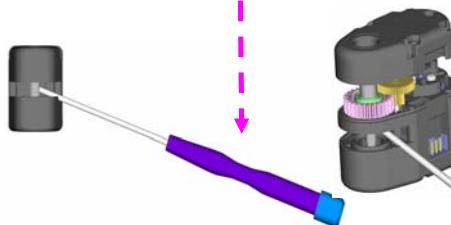
②

Put "+" screw driver into
No.4 Gear as shown in the figure.



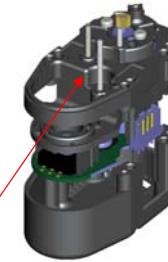
③

Press the "+" screw driver to the down side as
shown in the figure by using screw driver, then,
detach the Top case.



④

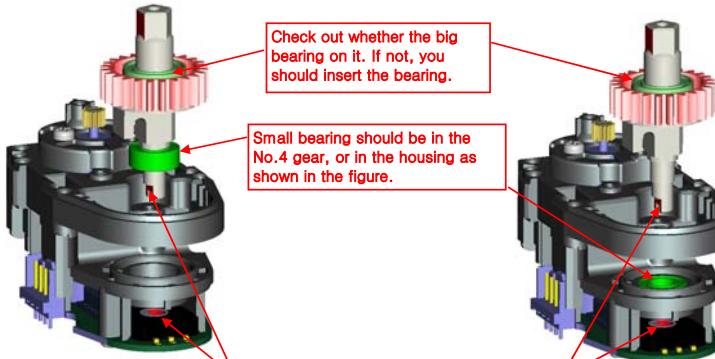
Take out the gears to upside
as shown in the figure, then,
detach the bottom case.



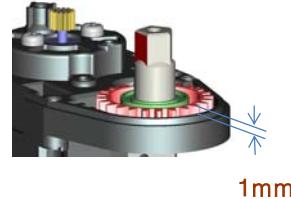
Some wCK modules do not have fixing screw
in this position. It is totally OK, even if you do not
assemble it.

Check out if there is any debris or
broken pieces on the normal gear, housing
or top case. If so, then, clean it.

⑤ Put grease on the No. 4 Gear, then assemble
as shown in the figure.



No. 4 Gear's top part would be
protrude around 1 mm if you put it in
correctly from the housing.



1mm

Be sure to match the half-moon shape between
sensor and No.4 Gear, then, put it in smoothly. If
you put the gear strongly, sensor could be
damaged.

⑥ Assemble the bottom case as shown in
the figure. Insert 3 gear pins into the
housing, then, put some grease on the
No.3 Gear's teeth.

When you insert gear pins into the
housing, put more power
especially for No.1 Gear pin.



⑦ After put some grease on the
No.2 Gear's teeth, assemble it
as shown in the figure.



⑧ After put some grease on the
No.1 Gear's teeth, assemble it
as shown in the figure.



⑨ Assemble the top case, and screw the 4 bolts
as shown in the figure. Lastly, screw the small
bolts for top case fixing.

Some wCK modules do not have fixing screw bolt
in this position. It is totally OK, even if you do not
assemble it. And it is better not to screw it so tightly.

