

Combi Horizontal Diaper Changing Station OK21F/OK21UF Installation Manual

Read this installation manual carefully and use the product correctly.

1 To Install Safely

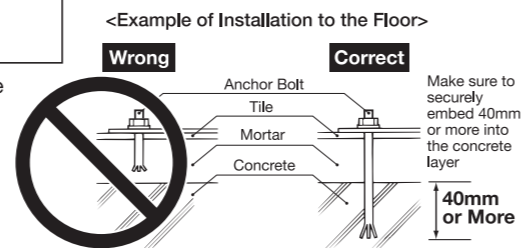
The CAUTIONS shown here are classified into "WARNING" and "CAUTION" according to the magnitude and seriousness of the hazard and damage to the child or the person operating the product due to improper handling. Read this manual carefully before using this product. Be sure to observe the CAUTIONS.

WARNING	Handling incorrectly by ignoring the WARNING indicates that people may die or injure seriously.
CAUTION	Handling incorrectly by ignoring the CAUTION indicates the possibility of personal injury or physical damage.

2 Information for Installer

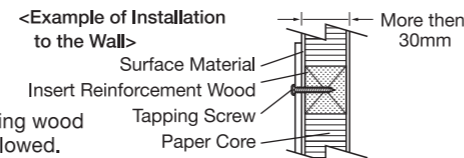
WARNING

- Be sure to attach the product to the wall surface not only to the floor. Fixing only to the floor surface may cause the product to tip over.
- Select the anchor bolt with a length that can be securely attached to the concrete layer (at least 40mm). If it is attached to the mortar layer, it may tip over.



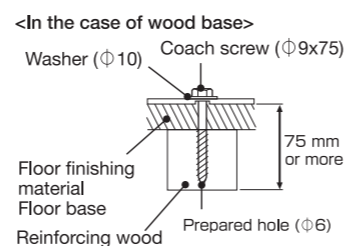
- Reinforce the wall base if the wall is other than the concrete. The strength of 150 N (15 kgf) per attached point is required. (6 attaching points) It may cause tip over if it is not strictly followed.

- Be sure to insert the lightweight steel frame (stud or rock rail) or reinforce with plywood at the installed position when attaching to the wall of the dry construction method using tapping screws. It may cause tip over if it is not strictly followed.



- When attaching to the partition wall using tapping screws, insert 30 mm or more of reinforcing wood without any gap where the tapping screw is used. It may cause tip over if it is not strictly followed.

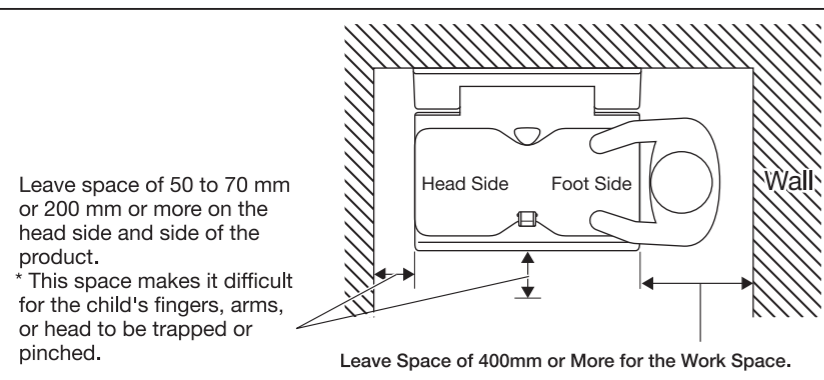
- Make sure that the following conditions are met when installing on a wood base. Make sure that the total thickness of floor finishing material (flooring plywood, etc.), floor structure material (particleboard, etc.) and reinforcement material (woodblock, etc.) should be 75mm or more and install it by following installation process. It may cause tip over if it is not strictly followed.
- Do not install the product on the floor that does not have pull out strength. (In case the driving destination is on the cut end of the wood, etc.). It may cause tip over if it is not strictly followed.
- When installing on the wood base, do not install on the floor where ancillary equipment (floor heating, etc.) is installed under the floor.



- When replacing from another product (such as a similar diaper changing station), be sure to check the wall strength.

After assembly, wipe the product surface with dry cloth to remove dust.

Installation Location (Installation Space)



WARNING

- If toilet or washbasin are used, be sure to install the product in view when caregiver is using them.
- In case the trash box to dispose diaper is installed, place the trash box near the product. If the trash box is not nearby, the caregiver may step away and the child will be unattended..

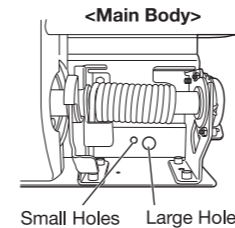
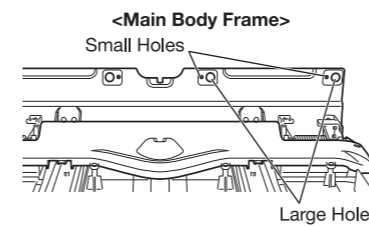
CAUTION

Install the product where the door does not hit the product. If the door hits to the product, the product may be damaged.

List of Mounting Screws

① to ④ Below Indicate the Type of Wall

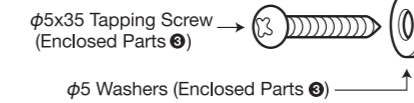
* ① Prepare the production separately except for accessories (tapping screws and washers) enclosed.



You cannot use the male anchor to fix four location in upper side. See ② to ④ on the right. When the main body is closed, the tool can be used from the front for lower 2 locations.

① Installation on Partition/Gypsum Board

Tapping screw Small Hole 6 locations

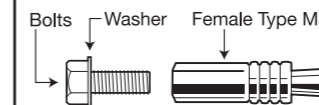


<Reinforcement of Partition>
Insert reinforcing wood 30mm or more inside.
* Be sure to check the WARNINGS on the left.

<Reinforcement of Gypsum Board>
Fix to the lightweight steel frame or reinforce the wall with a concrete panel (t 12 or more) or steel plate (t 2.3 or more).

② Installation on Concrete

• M8 Anchors Large Hole 6 locations

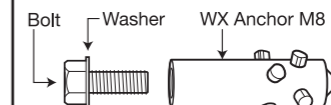


WARNING

Select the anchor can be securely attached to the concrete layer (minimum length of 30mm or more).

③ Installation on ALC

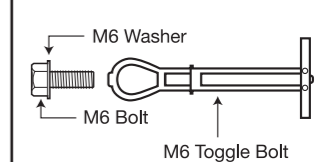
• Anchor for ALC Large Hole 6 Locations



When driven with a driving rod, eight claws protrude and fixed.

④ Installation on Hollow Block

• Toggle Bolt Small Hole 6 locations

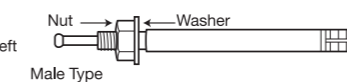


Floor

Concrete

• M10 Anchors 3 Locations

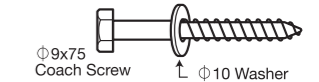
*Refer to the WARNING column on the left for the selection of the length.



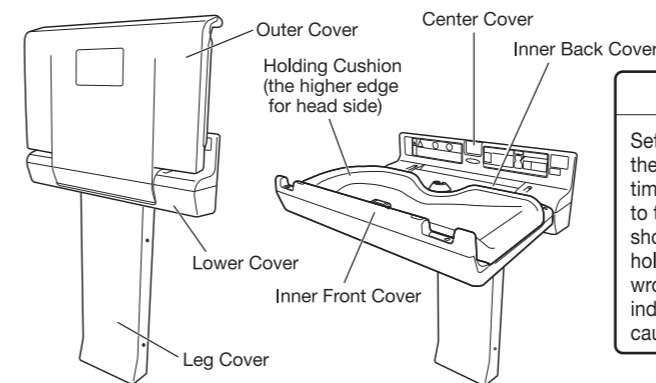
Wood

• Coach Screw 5 Locations

*Refer to the WARNING column on the left for the selection of the length



Name of Each Parts



WARNING

Set the holding cushion in the correct direction at the time of installation according to the "Installation Location" shown on the left. If the holding cushion is in the wrong direction, it may induce incorrect usage and cause the child to fall.

Enclosed Parts

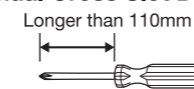
The screws ① to ③ and the printing parts ④ to ⑧ are packed separately.

① 1Hex Nuts (M10), spring washers, washers2 sets	② 2 U-shaped washer for angel adjustment5pcs
③ Tapping screws (φ5X35) and washers (for 5)6 sets	④ Luggage mark stickers1set (2 sheets)
⑤ WARNING sticker1pc	⑥ Direction Guide Sticker Sheets2pcs
⑦ Instruction Manual, Inspection Manual1 set	⑧ Instruction Manual (this sheet)1 set

• Anchor bolts are not included. Prepare them separately.

Necessary Tool

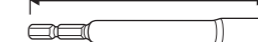
Manual Cross Slot Driver No2



Spanner (for M6, M8, M10)



Box Wrench Sockets 115 mm or longer (for M6, M8)



CAUTION

- Be sure to hand tighten the plastic caps not to create the sharp point by deforming.
- Prepare the tool (with magnet) longer than following dimension. If the tool is short, it will make assemble difficult. (two locations where the lower cover and frame are assembled).
- In Case of Partition or Gypsum Board Driver : Shaft length longer than 110mm
- In Case of Concrete, ALC, Hollow Block Box Wrench : Socket length 115 mm or longer, Socket width from M6 to M8

The Mounting Instruction is on the Reverse Side.

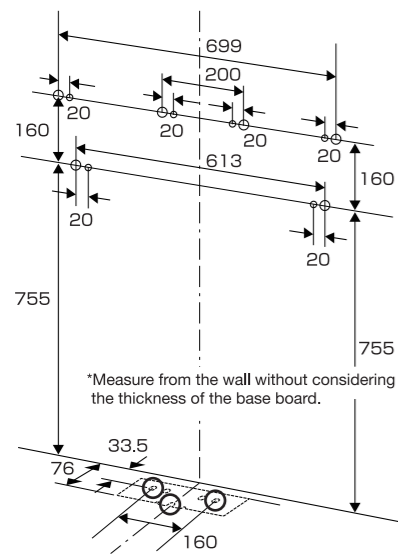
CombiWith Corporation

Head Offices: 2-6-7 Motoasakusa, Taito-ku, Tokyo 111-0041 Japan
Tel: 03-5828-7631 Fax: 03-5828-7630

Installation Procedure

*Following product illustrations indicate OK21. OK21UF (has different buckle and belt from OK21F) also follows the same procedure.

1 Marks on the Floor and the Wall.



- In case of partitions and gypsum boards, mark at six small holes.
- In case of concrete or ALC, mark at six large holes.

CAUTION

Be sure to make the marks where the product is in level considering the gradient of the floor.

2 ① Remove the Leg Cover from the Leg Frame. ② Drive Anchors into the Floor.

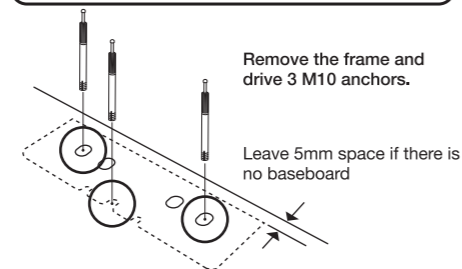
Temporarily place the leg frame on the floor to check the hole position on the floor.

Remove 4 screws from the side (white screws).

Leg Cover Leg Frame

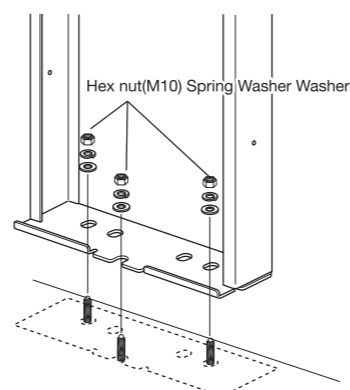
CAUTION

Be careful not to remove the paint from the screws when taking off the leg cover.

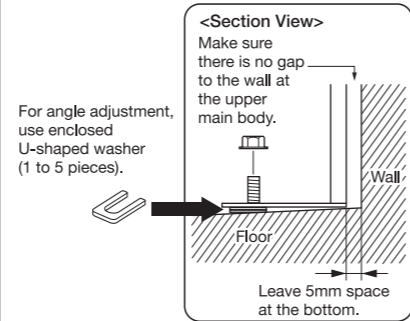


Anchors are not enclosed. Prepare anchors matching to the floor type.

3 Fix the Leg Frame to the Floor. 3 Locations.

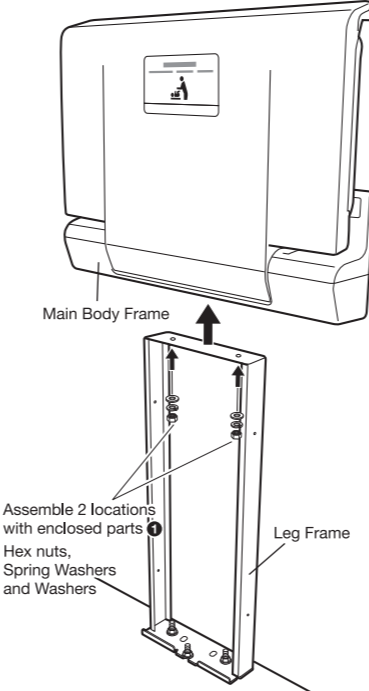


Nuts and washers are not enclosed. Prepare them separately.



For angle adjustment, use enclosed U-shaped washer (1 to 5 pieces).

4 Assemble Main Body Frame and Leg Frame

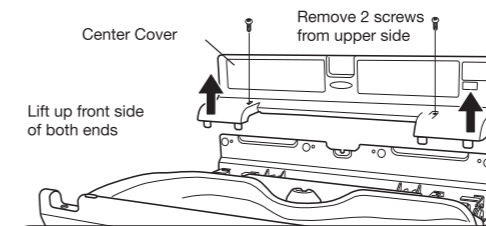


CAUTION

When holding the main body, do not hold the holding cushion. It may cause scratch or dent.

5 Remove Center Cover, Then Attach the Main Body Frame to the Wall. Total 4 Locations

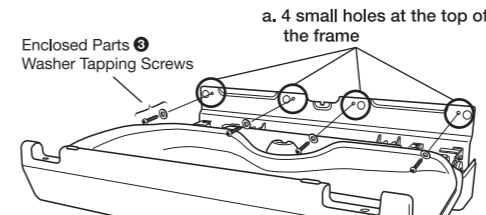
Remove the Center Cover From the Frame.



CAUTION

Removed screws will be used in Procedure 7, do not lose them.

Refer "List of Mounting Screws" on the front page for the installation to the wall. The below indicates the method using enclosed parts ③. If the anchors are used, prepare them separately.



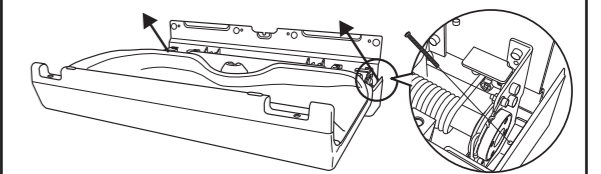
CAUTION

When the screws are used, be sure not to stick out more than 12mm. If it sticks out more than 12mm, the center cover can not be assembled.

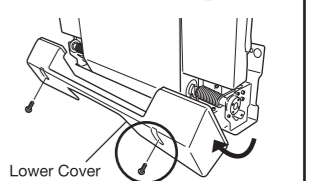
6 Remove the Lower Cover and Fix the Body Frame to the Wall. Total 2 locations

Remove the Lower Cover from the Frame.

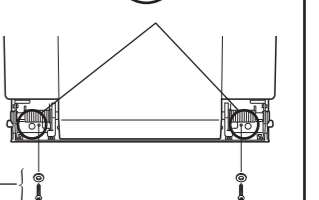
a. Remove the two screws in the angle while holding them with fingers from below.



b. After removing the two screws on the lower side, take out the lower cover while turning it forward.



c. Close the main body and screw at 2 small holes located at the lower side of the frame.



Enclosed Parts ③ Washer Tapping Screws

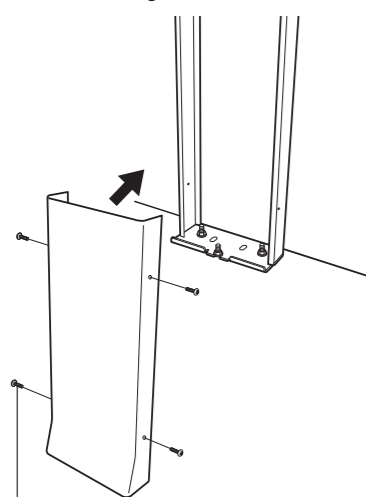
Make sure not to allow the particles from wall fall inside the main body.

CAUTION

Check and make sure all attached points are not loose before proceed to the next step.

7 ① Assemble Leg Cover, ② Lower Cover, and ③ Center Cover in the Order.

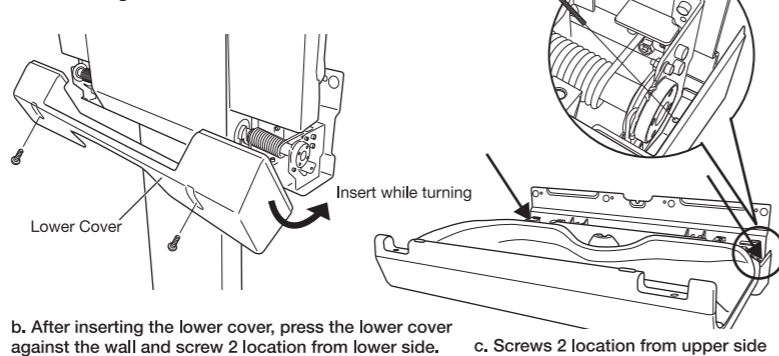
① Attach the leg cover.



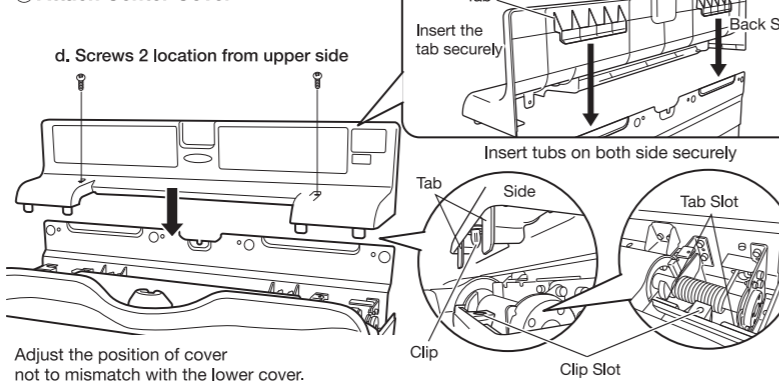
CAUTION

Be careful not to remove the paint from the screws when attaching the leg cover.

② Attaching the lower cover.

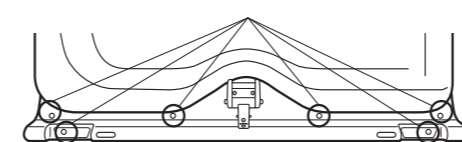


③ Attach Center Cover

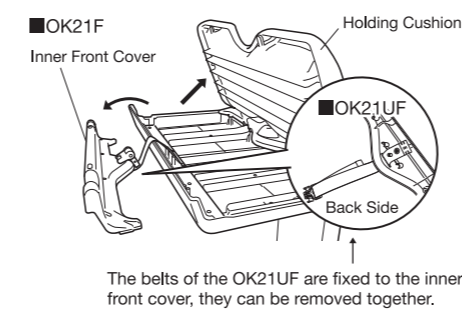


8 To Change the Orientation of the Holding Cushion, Remove the Inner Front Cover, then Remove the Holding Cushion and Turn it in the Opposite Direction.

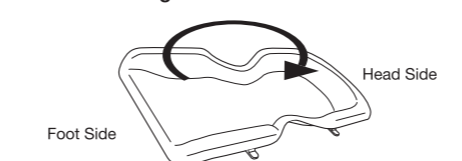
① Remove six screws from the inner front cover.



② Raise the holding cushion and remove the inner front cover.

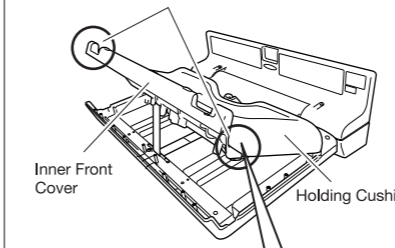


③ Reverse the direction of the holding cushion.

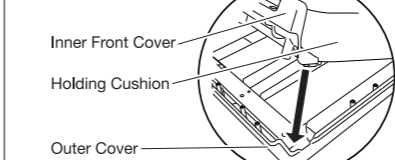


④ Put together the holding cushion and the inner front cover

While holding the right and left with both hands, then move on to ⑤.



⑤ Insert inner front cover to outer cover



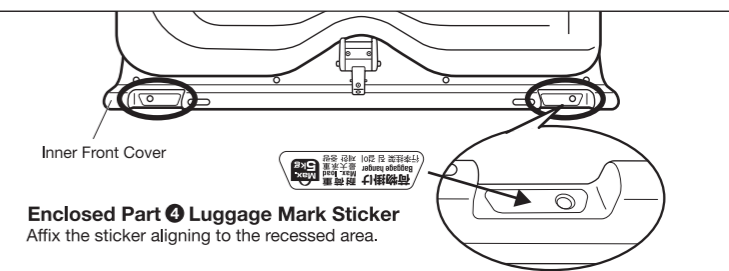
⑥ Screw 6 locations.



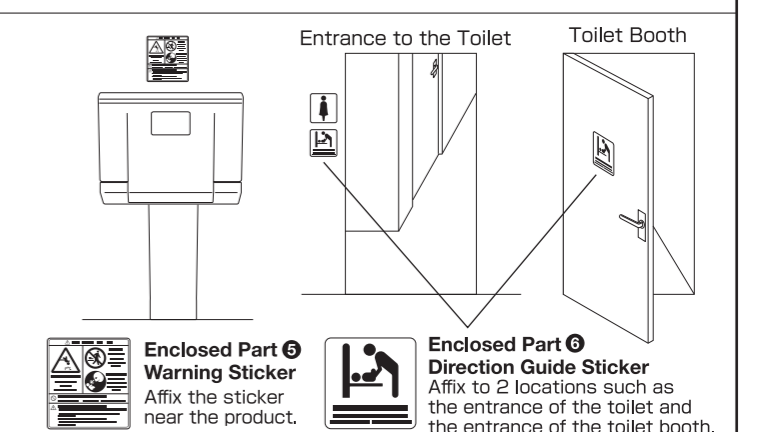
CAUTION

Be careful not to damage the holding cushion with the driver.

9 Affix the Luggage Mark Sticker at Two Locations of the Luggage Hooks on the Inner Front Cover.



10 Affix the WARNING Sticker Near the Product. Affix the Guide Sticker Sheet at the Entrance of the Toilet and at the Entrance of the Toilet Booth.



WARNING

After the installation, inspect the product following the daily inspection in the inspection manual. If the product is used incompletely, it may cause injury or serious accident.