TOTO

隱蔽式水箱安裝說明書

Installation Instruction for Auto-function Concealed Cistern

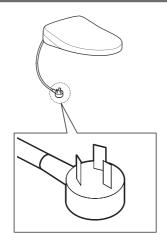
WH173BAT (系列) WH172ASAT (系列)

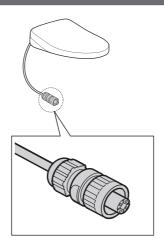
WH173BAT (SERIES) WH172ASAT (SERIES)

致施工人員的重要通知 Important Notice for Installers

因安裝的衛洗麗不同,牆壁開孔位置有所差異。 詳細說明請參考說明書中第13頁內容。

The positions of the holes to drill in the wall vary depending on WASHLET being installed. Please check page 13 for details.





請將說明書保留備用

PLEASE KEEP THE INSTRUCRION MANUAL FOR LATER USER

装注意事項 (為了安全起見、請務必遵守下列事項)

Safety Precautions (Be sure to follow them for safety sake.)

重要事項:

- 1.隱蔽式水箱功能:儲水、進水器、排水閥、壁掛式馬桶支架(使用功能記載於隱蔽式水箱面板說明書中)。
- 2. 此說明書只提供隱蔽式水箱安裝相關內容。
- 3. 在澳洲地區安裝時請遵守AS/NZS 3500系列標準或者當地標準。
- 4. 安裝必須遵守當地法規標準。

/!\ Important:

- 1. Functions of the concealed cistern: storage water, inlet and outlet calve vessel, frame of wall-hung toilet, The function reflected in the actuator panel instructions.
- 2. This instruction manual only supports the installation of the concealed cistern.
- 3. For Australia, the installation has to be in accordance with AS/NZS 3500 series of Standards and/or local standards.
- 4. The installation has to be in accordance with the local standard.

請務必在施工之前詳細閱讀此說明書,並依照說明書中的內容正確安裝。 請務必遵守安全方面的警告及注意事項。



若忽視本標示欄的內容而操作錯誤. 可能導致人員重傷或死亡。



若忽視本標示欄的內容而操作錯誤. 可能導致人員受傷或財物損失。

應安裝漏電開關

ポ田紹綠戀厭哭

矽利康

電源插座



此圖表示為絕對「禁止」的行為。





換氣扇或換氣口

0.6m以上

固定板

此圖表示為務必執行的「強制」的內容。



- 因為本產品歸屬為電器產品、請不要安裝在容易被水潑到或是濕度高的地方。 在浴室內使用時,請安裝換氣扇或換氣口使浴室保持良好的空氣流通。 請務必在距離浴缸O.6m以外的空間安裝本產品。
- 請依照以下要求進行電源配線用插座的設置。(否則可能會導致火災或觸電。) a. 請在插座的電路上安裝漏電開關或用絕緣變壓器(1.5kVA以上, 3kVA以下)進行保護。 ※若未依照以上述 a項的說明進行配線施工時, 請務必委託承包該施工的業者進行。
- 請確實進行接地線的接地處理, 務必接至地線上。 (若未正確地進行接地作業,發生故障或漏電時 可能會導致觸電)
 - 注:請務必使用接地電阻為100Ω以下, 直徑為 1.5mm以上的銅線作為接地線。 ※ 若未進行接地處理時, 請務必委託承包該施
 - 工的業者進行。



- 必須遵守 務必遵循當地標準並將電源線牢固插入插座。 (否則可能會導火災或觸電。)
 - 請務必將本產品連接至冷水供給部分。(否則可能會導致燙傷或機器故障。)

在浴室內使用之情形

請確認電源插頭已使用矽利康進行了防水處理。

- 如未進行防水處理,可能會導致火災或觸電。 ※若未進行防水處理時,請務必委託承包該施工的業者。
- 請勿直接讓產品受撞擊,否則產品破損而可能會導致受傷、物品損壞或漏水。
- 搬運產品本體時,請務必手持外框鐵架。若手持其他部位而搬運的話,可能會使產品破損且 導致受傷或財產損失和漏水。



● 請勿安裝在室外以及有斜坡的壁面或震動激烈的場所。

否則會造成安裝不穩定而脫離掉落,導致受傷,甚至於人員死亡。

● 向衛洗麗供水時, 請勿使用除自來水或可供飲用的地下水(井水)以外的其他水源。 (否則可能會導致皮膚發炎過敏等。)

●請勿使用當地標準以外的其他電源。(否則可能會導致火災或觸電。)

注意



施工時、請務必依照施工說明書來正 確地進行。 (如未正確安裝,可能會導致漏水。)



- 請勿在打開止水栓的狀態下拆下給水濾網排水栓。 (否則,水會噴出。)
 - 請勿折彎或壓壞給水軟管。 (否則可能會導致漏水。)







Be sure to read through this installation manual before installation work and install the product properly according to the descriptions of this manual. Be sure to follow the warnings and cautions for safety sake.



This indication means the case where there is a possible danger which may result in death or serious injury if the WARNING product is used improperly.



This indication means the case where there is a possible damage which may result in injury or only physical damage if the product is used improperly.

Symbol example



means the actions that must not be performed—"Prohibited"



means the actions that must be performed—"Forced"

WARNING

- Do not install this product in a place exposed to water splash or humid place. When using the product in the bathroom, provide a ventilating fan or ventilation hole so that air in the bathroom flows well. Install the product more than 0.6m away from the bath tub.
- Mount the outlet for electric wiring in the manner as follows: (Otherwise, fire or electric shock may be caused.) a. Install a ground-fault interrupter or insulation transformer (higher than 1.5kVA, lower than 3kVA) in the outlet circuit. * If the wiring work as shown in a. above has not been made, ask the installer for the work.
- Connect the ground wire to the place where it can be connected securely. (If the ground wire is not connected, electric shock may be caused in case of trouble or ground leakage.) Note: For grounding, use copper wire having the diameter of more than 1.5mm and grounding resistance of less than 100 ohm.

* If the ground wire has not been connected, ask the installer for the connection.

 Be sure to follow the local standard and plug the electric cord firmly in the outlet. (Otherwise, fire or electric shock may be caused.) Be sure to connect this product to the cold water supply section.

Install a ground-fault interrupter or insulation transformer.

Silicon robber

Power plug

Ventilating fan or ventilation hole

When using the product in the bathroom

Make sure that the electric plug is waterproofed by silicon rubber.

• If it is not waterproofed, fire or electric shock may be caused.

(Otherwise, burn or trouble with equipment may be caused.)

- * If it is not waterproofed, ask the installer for waterproof work.
- Do not give direct impact to the product. Otherwise, the product may be broken, resulting in injury, physical damage or water leak.
- Be sure to hold the frame when carrying the product body, If you hold other part, the product may be broken, resulting in injury, physical damage or water leak.



to follow

- Do not install the product in open air, on slanted wall or in a place exposed to thumping vibration. Otherwise, installation becomes unstable and the product may fall down to cause injury or death as the case may be.
- Do not use other than tap water or well water (underground water) as supply water to the Washlet. (Otherwise, skin irritation, etc. may be caused.)
- Do not use other power supply than the local standard. (Otherwise, fire or electric shock may be caused.)



CAUTION



 Perform the installation work surely and properly according to the installation manual. (Improper installation may cause water leak.)



- Do not remove the water drain valve w/supply water filter while the water shutoff valve is open. (Otherwise, water may gush out.)
- Do not bend or crush the water supply hose. Prohibited (Otherwise, water leak may be caused.)

Cleaning and waste disposal

- 1. 請使用清水或稀釋過的中性清潔劑(如洗碗精等)擦拭和清潔水箱面板、杜絕使用腐蝕性強的清潔劑(如去汗 粉、塗料稀釋劑、苯等)或鐵絲球進行擦拭,以免腐蝕並破壞面板的美觀。
 - Use water or dilute mild detergent (such as dishwashing detergent) to scrub and clean the surface, Never use strong corrosive detergent (such as cleanser, paint thinner, benzene and so on) or wire ball to scrub, and to avoid corroding the surface of the product.
- 2. 如果您需要廢棄本產品. 請勿將其作為一般生活垃圾處理. 請依照法規經由合格業者進行合適的處理、恢

Please dispose of this product in accordance to the local waste disposal laws and regulations.

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簡易故障判斷及處理方法 Self diagnosis and troubleshooting

① 温馨提示:

以下表格的問題點的處理方法中有註明(針對用戶)的,用戶可以參照後自行解決。如果解決不了,嚴禁未經 指定的非專業人員自行進行拆解和維修,請立即聯繫相應的專業人員解決,避免問題擴大化或產生不必要的 麻煩和損失。

⚠ Note:

Users may fix the problems on their own if the corrective action is to be taken by the user according to the chart below. Non-professionals are prohibited from disassembling and repairing the product. Please contact the relevant professionals for futher troubleshooting to avoid aggravating the problem.

常見故障	原因	處理方法	
水箱無法進水	1. 進水總閥未打開或停水。	1. 打開進水總閥或聯繫業者解決 (針對用戶)	
	2. 水箱止水栓未打開。	2. 打開水箱止水栓 (針對專業的維修人員)	
	3. 進水器浮筒有異物卡住或進水器傳動部件導致浮筒無法正常作動。	3. 檢查進水器並排除異物 (針對專業的維修人員)	
	4. 排除以上原因,依然無法進水。	4. 更換進水器 (針對專業的維修人員)	
水箱有水不斷流到馬桶裡	1. 水箱出水口、排水閥底座周圍有異物(砌牆時 不小心掉入的砂漿、小石塊等),造成排水閥 無法完全密合。	1. 清理水箱內部的異物 (針對專業的維修人員)	
	2. 面板調節螺桿外露部份偏長,面板裝上後造成排水閥橡膠圈固定在某一位置上,無法密閉。	2. 調整面板調節螺桿的位置 (針對專業的維修人員)	
	3. 在水箱裡面的面板調節螺桿偏長,頂到水箱 內部的軟管或其水箱箱體,導致無法復位。	3. 剪短面板調節螺桿 (針對專業的維修人員)	

Common faults	Possible causes	Corrective actions	
Water does not flow into the tank	Household water supply has not been turned on or has been cut off.	Turn on the household water supply or contact the relevant personnel (To be done by the user).	
	Angle valve has not been turned on.	Turn on the angle valve (To be done by professionals only).	
	Residuums in the inlet valve causing the float device to not operate properly.	Check the fill valve and remove the residuum (To be done by professionals only).	
	4. None of the above.	Change the inlet valve (To be done by professionals only).	
Water is constantly running into the bowl.	Flush valve seal is not completely closed due to residuums around the outlet of the cistern and flush valve (sand or debris lodged in during installation).	Remove the residuums in the cistern (To be done by professionals only).	
	The exposed part of the panel's adjust screw is too long, which resulting the rubber of flush valve can not fixed in a certain position and can not sealed.	Adjust the position of the panel's screw (To be done by professionals only).	
	The part of panel's adjusting screw in the cistern is too long, which may get stuck in the soft pipe or cistern body and unable to return sometimes.	To cut back the adjust screw (To be done by professionals only).	

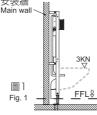
安裝說明 INSTALLATION INSTRUCTION FOR CONCEALED CISTERN

注意事項:

- 1. 安裝前請仔細閱讀說明書,本公司不承擔因安裝 人員未依照說明書要求施工所造成的損失,產品 中包含潤滑劑,可以在安裝馬桶時選用。
- 2. 在支架安裝前,應先確認安裝位置,並根據室內裝修的總體策劃確定裝修完成後的地坪面FFL,在安裝牆上劃出FFL線,並以此作為高度O的基準線。(見圖1) 安裝牆

⚠ Important:

- Please read through this Instructions carefully prior to installation, and our company shall not be responsible for any loss caused by not installating according with this Instructions. Lubricants are provided for the installation.
- Please confirm the FFL according to the overall indoor fitment method. Line out the FFL on the wall and always regard FFL as datum line of 0 height. (refer to Figure 1)



- (1) 3. 在支架安裝前,請確認所安裝牆壁為承重牆 ,牆壁厚度在80mm以上,目當300kgf 以上的力施加於完工後的馬桶前端時,牆壁 需能承受這股拉力。
- 注意: 1. 請於貼瓷磚前安裝本產品;所有的尺寸單位為毫米(mm)。
 - 2. 圖示零件若與實物不符, 請以實物為準。
 - 3. 應根據當地的規定而進行電源的配線處理。
 - 4. 電源箱為現場籌備品。

3. Please confirm the wall is the main wall, the thickness exceed 80mm and it can bear more than 300kgf strength when the strength act on

Note: 1. Please install the frame before paving the tiles.

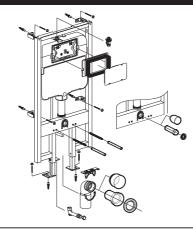
The dimensional unit is millimeter.

the front of toilet bowl.

- As the parts images are for illustrative purposes only, please refer to the actual product if it varies from the parts images.
- As for the wiring of power supply, be sure to follow the local standard.
- 4. The power supply box is on-site procurement item.

♠ FFL ♦ =完成地板(地坪面).

配件一覽表 Accessories List:

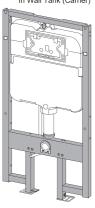


Included Parts

請仔細確認包裝中的配件是否齊全:

Check to make sure you have all these parts from the package:





包裝1中的配件

Parts in Bag 1



排汙管 擋泥堵頭 Outlet Pipe Mud Guard



進水管 擋泥堵頭 Inlet Pipe Mud Guard



安裝說明書 Installation Manual



保護框 Push Plate Rough In

包裝3中的配件



施工板 Installation Template

Parts in Bag 3

包裝2中的配件

Parts in Bag 2



排汙管 Outlet Pipe



上管夾 Upper Bracket



螺絲(6) Lag Screw (6)



法蘭管 Flange Pipe



密封套 Seal Gasket

進水直管 Inlet Pipe



螺母(2) Nut (2)



墊片(2) Washer (2)



螺栓法蘭(2) Stud Bolt Flange (2)



下管夾 Lower Bracket



塑膠子(6) Anchor (6)

束帶 Cable Tie

裝飾蓋(2) Cap (2)

潤滑海綿 Lubricated Sponge



螺栓(4) Bolt (4)

螺栓(4) Bolt (4)



Nut (4)



Parts in Bag 4



牆腳固定塊 Angle Fixture



三角凡而 Angle Valve







Parts in Bag 5



分歧管 Branch Pipe



堵頭 Plug

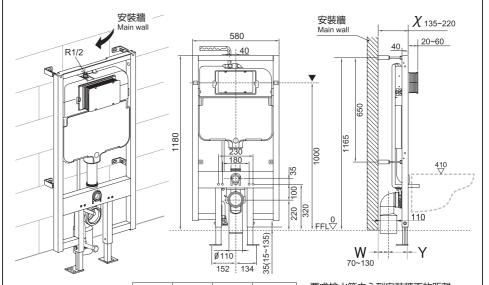


螺栓(3) Bolt (3)

安裝前的注意事項 Before Installation

基本尺寸及供水管道鋪設:

Dimensions and Supply Pipe-laying



Χ	W	Υ	旋轉45度* 45° swinging*
200~220	70~90	130	0
180~220	70~110	110	0
155~215	70~130	85	-
135~195	70~130	65	-

要求排水管中心到安裝牆面的距離 (W)在70~130之間.

Please make sure W is between 70 to 130.

- * 參考第8頁"安裝方法"。
- * Refer to page 8 for Installation Procedure

Installation procedure

符號和意思:

Symbols and their meanings



: 需要目視確認。

Visual confirmation required.



Horizontal confirmation required.



:需要垂直確認。

Vertical confirmation required.



:標示位置。

Mark the location.



: 請使用止瀉帶密封固定。

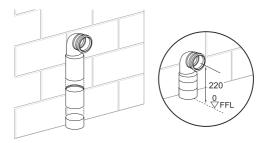
Wrap the sealing tape.

安裝方法 Installation procedure

1

安裝排水管:

Install the discharge pipe



2

安裝牆腳固定塊、調整地板固定支架:

Install Angle Fixture and adjust floor-fixing bracket







 χ < 170時,使用長度75mm的螺栓

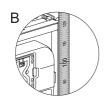
 χ <170: Bolt length of 75 mm



A 安裝牆腳固定塊。 Install Angle Fixture.





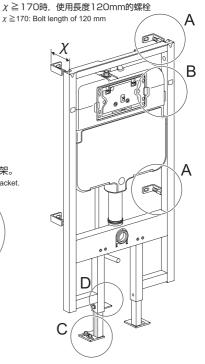


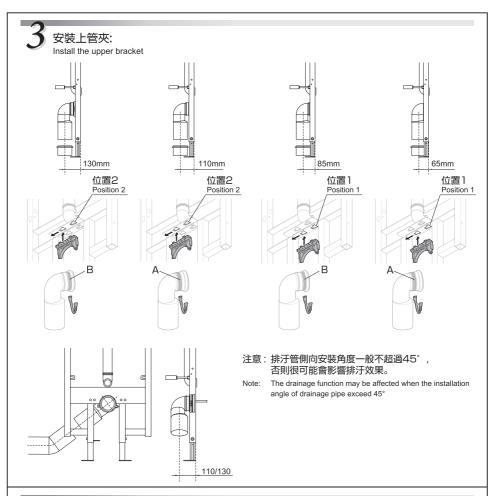












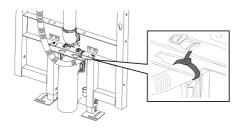
4

固定供電電纜(絕緣鎖):

Secure the power supply cable (wire band)

如下圖所示拉出供電電纜的波紋管。

Pull the power supply cable from the corrugated pipe, as shown in the figure below.



將波紋管固定在牆壁厚度+10mm的位置。

Use provided cable tie to secure the power supply cable in place with an additional 10mm extended from the finished wall.



牆壁厚度+10mm +10 mm the wall thickness

NOTICE: Do not remove the protective tube.

5 在安裝牆和地板上標記: (Ø10X深60) Draw on the main wall and floor 650 1165 6



膨脹螺栓的使用方法:

Install Anchors





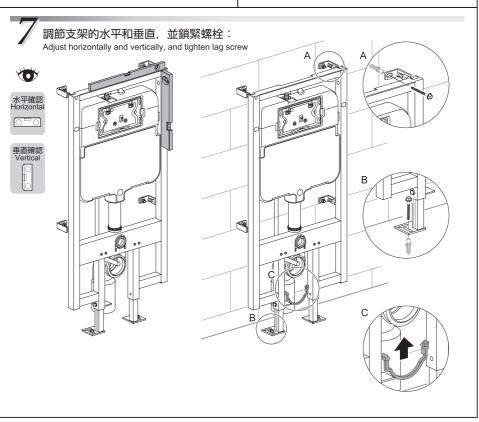
步驟說明:

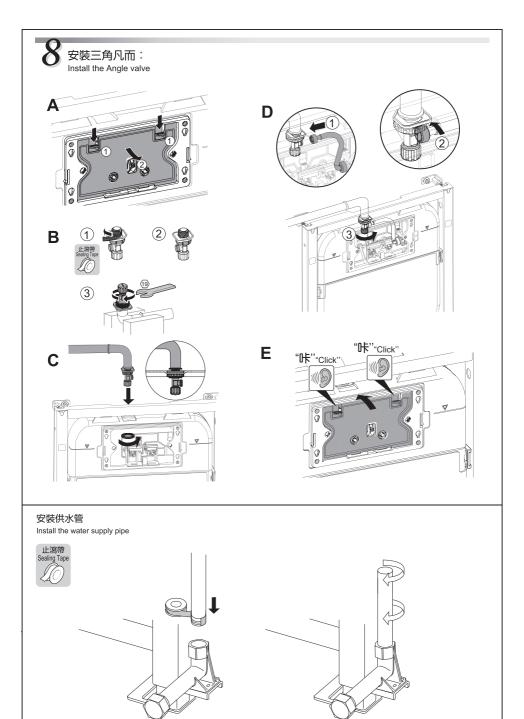
1. 鑽孔Ø10X深60 2. 裝入膨脹螺栓

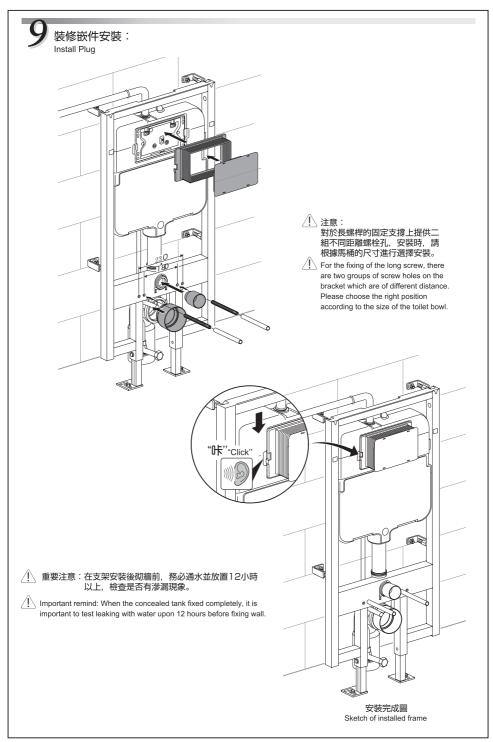
As shown on picture:

- 1. Drill Ø10*60;
- 2. Insert anchor;





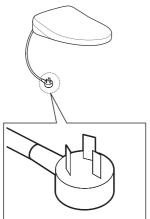






因安裝的衛洗麗不同,牆壁開孔位置有所差異。

The positions of the holes to drill in the wall vary depending on WASHLET being installed.



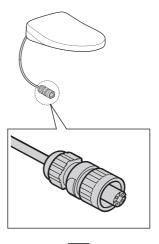
電源插頭形狀可能随國家/地 區不同而有差異。請確認現 有的電源插頭的形狀能否保 證正確安裝。

Power plug shape may vary by country. Please confirm which Power plug shape you have for correct installation.



如果是配有插座插頭的衛洗麗, 請前往第14頁。

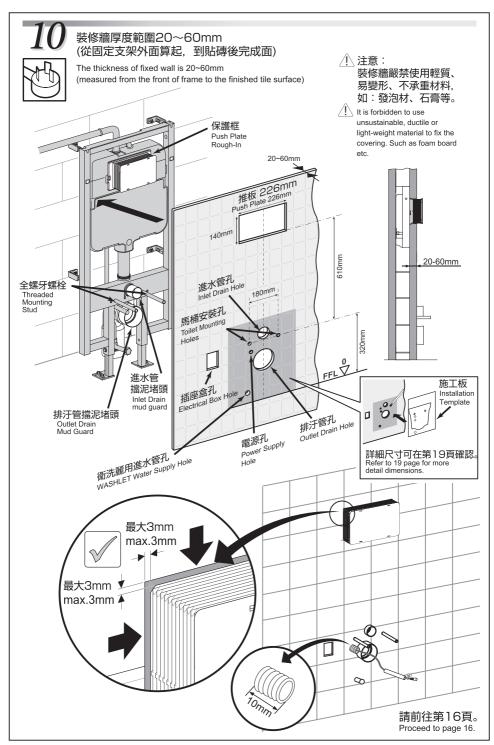
For WASHLET with an attached outlet plug, proceed to page 14.

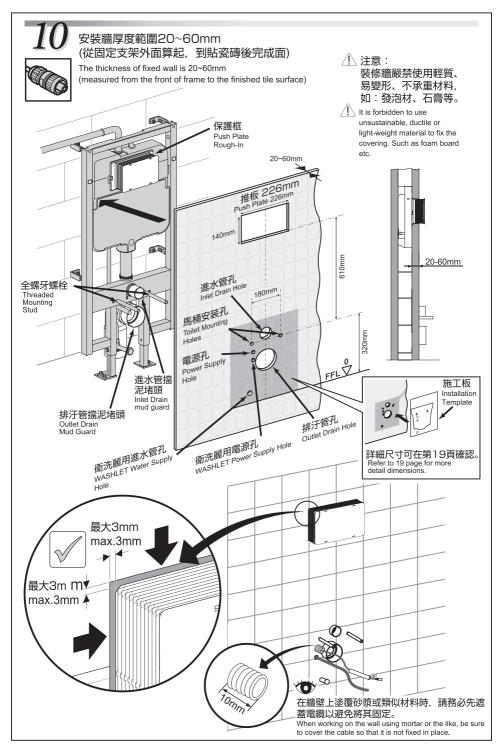




如果是配有上述插頭的衛洗麗, 請前往第15頁。

For WASHLET with the above plug attached, proceed to page 15.



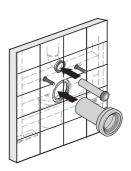




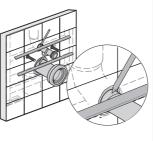
安裝馬桶: Install the toilet



1.



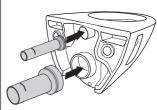
2.



將直管分別插入進水管和排汙管到 位,並劃線標示。

Set Straight Pipes into Flush Bend and Drain Bend properly, and marks lines.

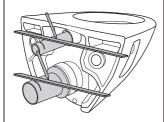
3.



分別在兩根直管橡膠圈上塗上潤滑 油後.再插進馬桶中。

Add lubricant onto the Rubber Gaskets of two Straight Pipes and set them into Bowl.

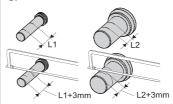
4.



如上圖進行劃線標示。

Mark lines as shows.

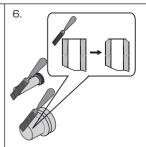
5.



進水直管所劃線標示之間為L1; 排汙直管所劃線標示之間為L2。 如上圖進行切割直管作業。

L1 is the distance of two marks on Flush Straight Pipe, and L2 is that of two marks on Drainpipe Straight Pipe.

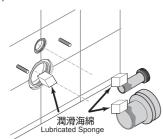
Cut Straight Pipe just as shows.



將裁短的兩根直管管口端面打磨 倒角(如圖),並去除毛邊。

Chamfer and trim the cutting edges on the shortened Straight pipes (as shows).

7.



取出帶有膠合劑海綿在直管與彎管的接合處途上膠合劑。

Take out the sponge with silicon oil and smear it on connecting edges of Straight Pipe and Bends.

8.

馬桶類型 Toilet bowl type



請進入步驟9

Proceed to step 9.



請依照馬桶附帶的施工說明書進行安裝。

Install according to the Installation
Guide enclosed with the toilet bowl.

9

以下配件用於安裝馬桶。請參考 馬桶安裝說明。

The parts are used for installing toilet bowl. Please see the installation manual of toilet bowl.

(a)



型片(2) Washer (2)



 \bigcirc

螺栓法蘭(2) Stud Bolt Flange (2) 裝飾蓋(2) Cap (2)

維修保養

Servicing procedures

排水閥的維護及更換、自動洗淨裝置的更換

Servicing and / or Replacing the Flush Valve, Replacing the Auto Flush Unit

1.



2.



拆下並拉出檔板。

Remove the splash guard and pull it out.

關閉水箱中的三角凡而,然後按下驅動件上的按鈕進 行沖水。

Close the shutoff valve in the tank, and then push the button on the actuator to flush the water.

3.



4.



壓住拉手拆下驅動件。

Push on the tab to remove the actuator.

拆下排水閥的電纜和固定支架的金屬線軟管。

Disconnect the cable from the flush valve and wire tube from the hold-down bracket.

5.



6.



將排水閥的兩根拉桿傾斜至右側。

Tilt the two pull-up rods of the flush valve to the right.

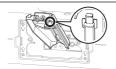
拆下自動洗淨裝置的中繼線束。

※注意拆下的電線請務必不要碰到水。

Remove the relay harness from the auto flush unit.

* Make sure that the cord does not get wet after removing it.

7.



8.



拉緊拉手(如圖中所示), 拆下固定支架。

Remove the hold-down bracket by pulling on the tab indicated.

一邊抬起自動洗淨裝置的卡扣,一邊向右滑動。

Pull the snap fastener on the auto flush unit up as you slide it to the right.

9.



10.



拉起排水閥, 旋轉拉桿。

Pull the flush valve up, and rotate the rods.

拉出時旋轉整個排水閥。

Rotate the whole unit as you pull it out.

11.

排水閥底端的橡膠圈可以拆下進行清潔或更換。

At the other end of the flush valve, the rubber piece can be removed for cleaning or to be replaced.

12.

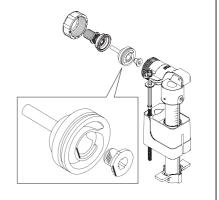
依照與上述相反的步驟操作,便能將零件安裝回水箱。

To install the parts back into the tank, do the reverse order.

清潔進水器濾嘴

Cleaning the Filter of the Fill Valve

- 1. 依照上述操作,關閉三角凡而,然後拆下進水器。
- 如圖所示,拆開進水器,然後用水清洗過濾網,或者 用刷子清除髒汙。
- 依照與上述相反的步驟操作,便能將進水器安裝回原來的位置。
- Close the water shutoff valve, and then remove the fill valve as described above.
- 2. As shown in the figure, disassemble the fill valve, and then either clean the filter with water or use a brush to clean any dirt from it.
- 3. To install, follow the procedure in reverse to return the fill valve to its original position.



牆壁施工板詳細尺寸

Detail dimensions for wall Panel.



