# FISHER & PAYKEL

## SINGLE DISHDRAWER™ DISHWASHER

DD24SI, DD24STI & DD24SHTI models

US CA

591386 A 08.17



#### **A** WARNING!

#### **Electrical Shock Hazard**

Before installing the dishwasher, remove the house fuse or open the circuit breaker. If permanently connecting the dishwasher, be sure the power is isolated and the dishwasher unplugged.

#### **GROUNDING INSTRUCTIONS**

This appliance must be grounded. In the event of a malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is installed and grounded in accordance with all local codes and ordinances. WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt as to whether the appliance is properly grounded.

If the dishwasher is installed as a permanently connected appliance: GROUNDING INSTRUCTIONS - This appliance must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

Do not modify the power supply plug provided with the appliance - if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Do not use an extension cord, adapter plug or multiple outlet box.

Failure to follow this advice may result in electrical shock or death.

#### **▲ WARNING!**

Fitting integrated front panels requires access to electrical service areas. This work must be performed and certified by a qualified electrical service technician.

#### **Electrical Shock Hazard**

WARNING: To reduce the risk of electrical shock, fire, or injury to persons, the installer must ensure that the dishwasher is completely enclosed at the time of installation.

Before fitting the front panels and connecting the 'knock to pause' module (if necessary), the installer must ensure that the dishwasher is disconnected from the power supply.

After installing the front panels, the installer must ensure that the following components are electrically grounded: the panel bracket and any custom metal component (e.g. handle) that extends past the rubber seal.

Failure to follow these warnings may result in electrical shock, injury or fire.

#### **A** WARNING!



Cut Hazard

Take care - panel edges are sharp.

Failure to use caution could result in injury or cuts.

#### IMPORTANT SAFETY INSTRUCTIONS

- Installation of this dishwasher requires basic mechanical and electrical skills.
- . Be sure to leave these Instructions with the Customer.
- Installation must comply with your local building, electricity, and plumbing regulations.
- At the completion of the dishwasher installation, the Installer must perform the Final Checklist.
- Remove all packaging materials supplied with the dishwasher.
- This dishwasher is manufactured for indoor use only.
- Ensure all water connections are turned OFF. It is the responsibility of the plumber and electrician to ensure that each installation complies with all Codes and Regulations.
- The dishwasher MUST be installed to allow for future removal from the enclosure if service is required.
- The switched power outlet must be outside the dishwasher cavity, so that it is accessible after installation.
- Care should be taken when the appliance is installed or removed to reduce the likelihood of damage to the power supply cord and hoses.
- If the dishwasher is to be relocated from one installation to another it must be kept upright to avoid damage from water spillage.
- Make sure only new hoses are used for connection (supplied with the dishwasher). Old hoses should not be reused.
- Failure to install the dishwasher correctly could invalidate any warranty or liability claims.
- If the product is installed in a motor vehicle, boat or similar mobile facility, you must bring
  the vehicle, boat or mobile facility containing the product to the service shop at your
  expense or pay the service technician's travel to the location of the product.
- This dishdrawer is intended for connection to the hot-water supply.
- Failure to install the dishwasher correctly could invalidate any warranty or liability claims.
- Ensure the product is not plugged in when fitting custom panels.
- Installation of custom panels requires basic mechanical and electrical skills.
- Installation must comply with your local building and electricity regulations.
- Failure to install the custom panels correctly could invalidate any warranty or liability claims.

## **IMPORTANT!**SAVE THESE INSTRUCTIONS

The models shown in this installation guide may not be available in all markets and are subject to change at any time. For current details about model and specification availability in your country, please go to our website www.fisherpaykel.com or contact your local Fisher & Paykel dealer.





Drain hose support (1)



Drain hose joiner (1)



Wire clip (1) (for securing Drain hose joiner)



Clamp (1) (for securing Drain hose joiner)



Side mounting bracket kit (A and B) (2) OPTIONAL



Top mounting brackets (2) OPTIONAL



**Phillips** 

16 mm

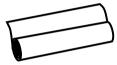
screws (7)



38 mm bottom fixing screws & metal washers (2)



Rubber washer for inlet hose (1) (comes already fitted)



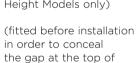
Moisture protection tape (1) (to prevent moisture damage to cabinetry)



Cavity Bracket Kit (1) (supplied with Tall Height Models only)

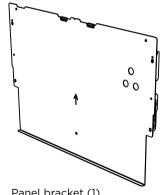
the cavity left after

installation.)





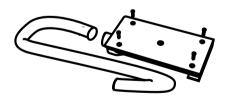
Edge Protector (1)
(If the services hole is through a metal partition, the hole must be protected with the Edge Protector supplied to prevent damage to the power cord or hoses.)



Panel bracket (1) & Knock-to-Pause Module (1) (shipped fixed to product)



Panel mounting screws (6)



External Venting kit (1)

If the Drain hoses supplied are not long enough to reach your services, you must use a Drain Hose Extension Kit P/N 525798 which will extend the drain hoses by 11' 10" (3.6m). The kit is available from the nearest Fisher & Paykel Authorized Service Center, or Toll free 1.888.936.7872 or www.fisherpaykel.com

#### **REMOVE THE DRAWER**

4" (100mm)

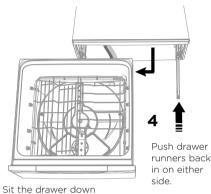
Press the release tabs in

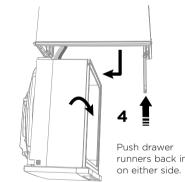
on either side and push

back to release drawer

Lift drawer off runners.

from runners.

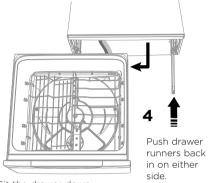


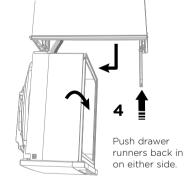


clockwise (max. 90°) and rest on side.

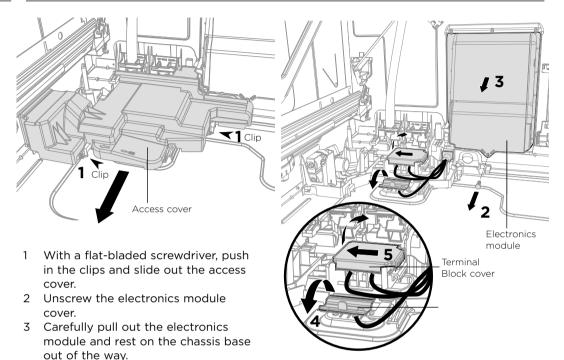
#### To prevent kinked hoses

Either sit the drawer down on the left hand side (recommended) or rotate the drawer clockwise, resting it on its side after removal.





#### REMOVE THE ACCESS COVER & REMOVE POWER



4 With a screwdriver, unclip the plastic harness cover and hinge open.

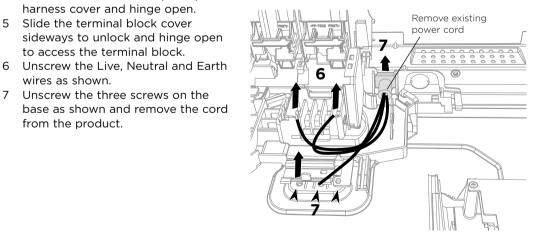
sideways to unlock and hinge open to access the terminal block.

5 Slide the terminal block cover

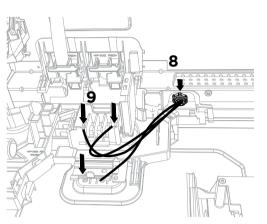
7 Unscrew the three screws on the

wires as shown.

from the product.

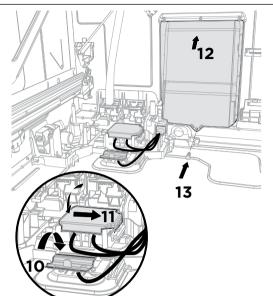


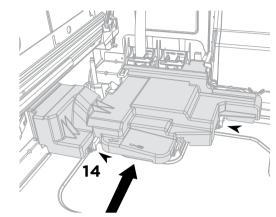
#### **3-C** TERMINATE MAINS WIRING AS SHOWN AND REPLACE MODULE AND COVERS



#### **IMPORTANT!**

Ensure the mains wires are routed UNDERNEATH all other harness wiring from the electronics module.

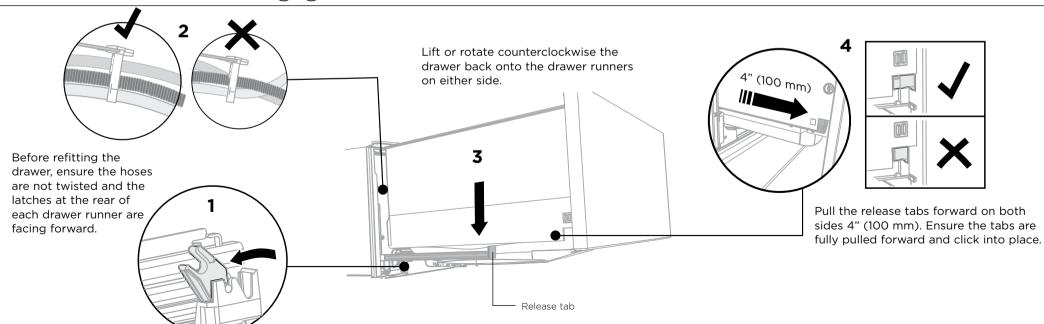




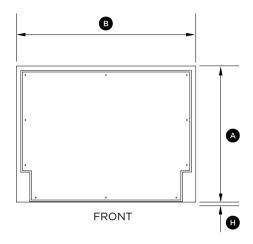
- 8 Fit a suitable cable clamp for the conduit through the metal knockout. Ensure wiring is routed through or under under housing ribs.
- 9 Screw down the Live, Neutral and Earth wires correctly.
- 10 Push the plastic harness cover back over. It should clip back into place
- 11 Fold down and slide back the terminal block cover.
- 12 Refit the electronics module back into position, being careful of wiring.
- 13 Replace the screw securing the electronics module.
- 14 Slide the access cover back, ensuring the 2 clips shown are fully locked in place.NOTE: Use copper conductors

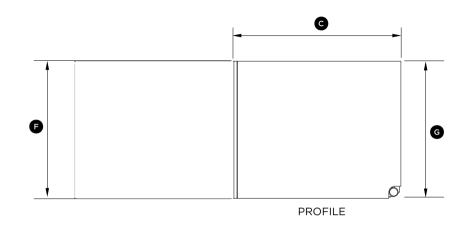
NOTE: Use copper conductors only.

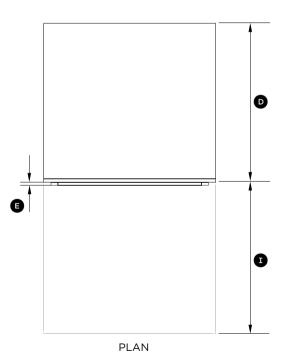
#### **3-D** REFIT THE DRAWER ONTO THE RUNNERS & CLOSE



### 4 PRODUCT DIMENSIONS







STANDARD TALL HEIGHT HEIGHT MODELS MODELS DD24STI

	DD24SI	DD24SHTI
PRODUCT DIMENSIONS	INCHES (MM)	INCHES (MM)
Overall height of product <sup>1</sup>	16 1/8" (410)	min. 17 7/8" (454)
Overall width of product	23 9/16" (599)	23 9/16" (599)
© Overall depth of product <sup>2</sup>	22 1/2" (571)	22 1/2" (571)
Depth of chassis (to back of front drawer panel)	21 3/4" (553)	21 3/4" (553)
© Depth of drawer front panel	5/8" - 13/16" (16-20)	5/8" - 13/16" (16-20)
F Height of drawer front panel	min. 16 1/16" (408) <sup>3</sup>	min. 17 13/16" (452) <sup>4</sup>
© Height of chassis <sup>1</sup>	16 1/8" (410)	17 7/8" (454)
(H) Ventilation gap below drawer front panel	min. 1/6" (2)	min. 1/6" (2)
① Maximum extension of drawer <sup>2</sup>	21 7/16" (545)	21 7/16" (545)
<sup>1</sup> includes 1/16" (2mm) high bracket slots <sup>2</sup> assuming a front panel thickness of 11/1	16" (18mm)	

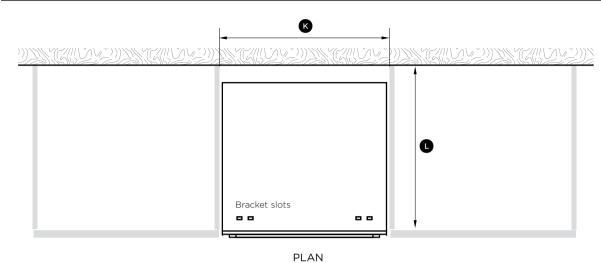
 $<sup>^3</sup>$  recommended for a 1 $\rlap{1}$ 6" (2mm) ventilation gap below panel, if cavity height is 16 1 $\rlap{1}$ 4" (412mm)

 $<sup>^4</sup>$  recommended for a 1/16" (2mm) ventilation gap below panel

#### **CABINETRY DIMENSIONS**

the drawer:

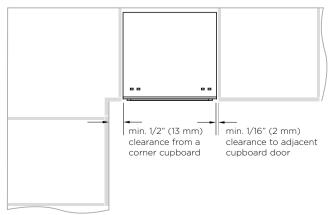
installation.

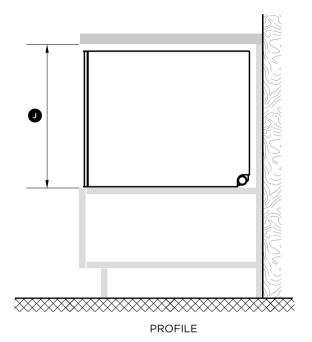


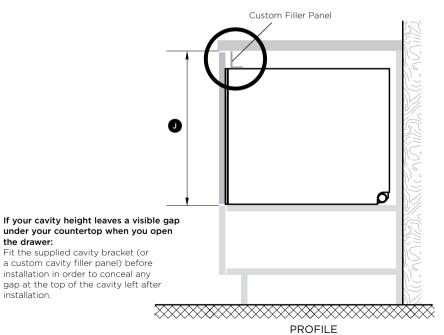
STANDARD	TALI
HEIGHT	HEIGH <sup>-</sup>
MODELS	MODELS

	DD24SI	DD24STI DD24SHTI
CABINETRY DIMENSIONS	INCHES (MM)	INCHES (MM)
Inside height of cavity	min. 16 1/4" (412)	min. 18" (456)
(k) Inside width of cavity	23 5/8" (600)	23 5/8" (600)
L Inside depth of cavity	min. 22 1/16" (560)	min. 22 1/16" (560)

#### Minimum clearances from adjacent cabinetry







#### 6

#### FRONT PANEL MATERIAL SPECIFICATIONS

- 5/8 13/16" (16 20mm) panel thickness
- Adequately sealed to withstand moisture (122°F/50°C @ 80% RH)
  Because of it being a hot and wet environment generally, the back and sides of the
  panel should be completely sealed with a waterproof vapour barrier (ie polyurethane)
  to prevent damage to the panel.
- The back of the panel (including any integrated handle) should be completely flush so that the seal between the panel and the rubber trim is maintained.
- · Installation outside these specs may result in condensation on cabinetry surfaces.
- Maximum weight of panel: 20lb (9kg)

The following calculations assume the top of the upper panel is aligned with the top of the adjacent cabinetry.

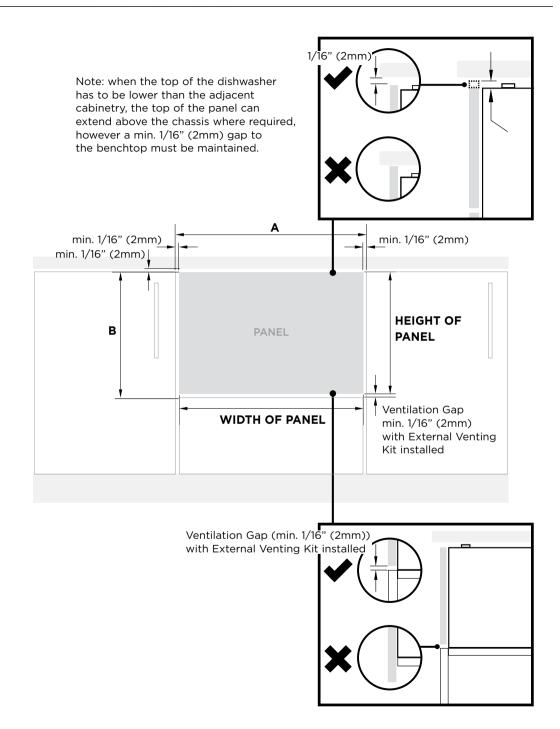
#### WIDTH OF THE PANEL

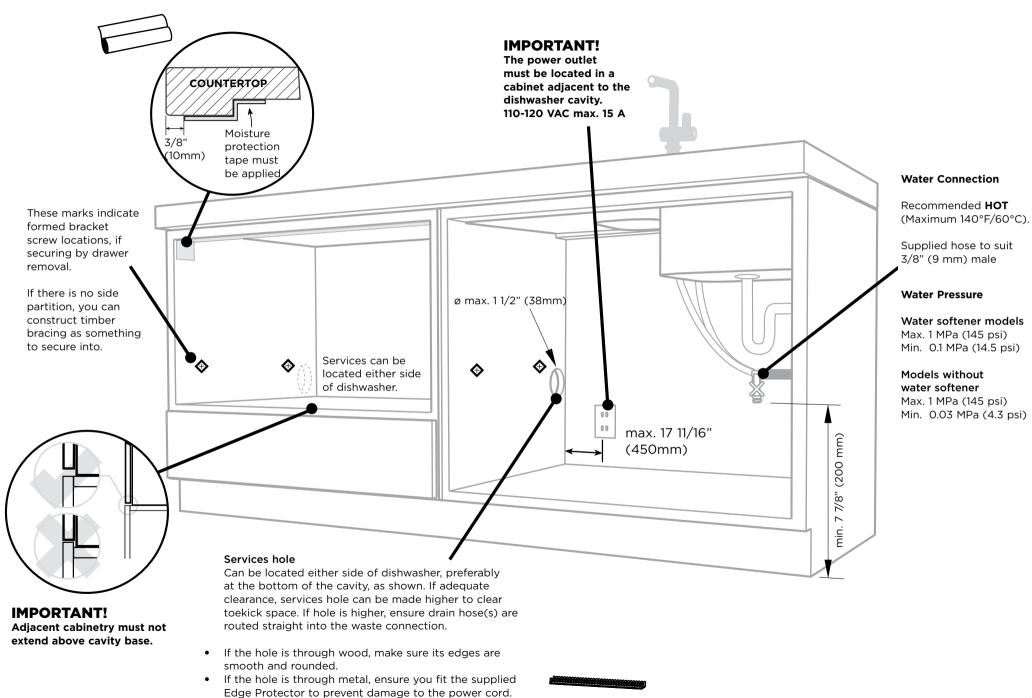
Measure **A** (the width between adjacent door/drawer fronts) and write it in the first box below, then complete the equation.



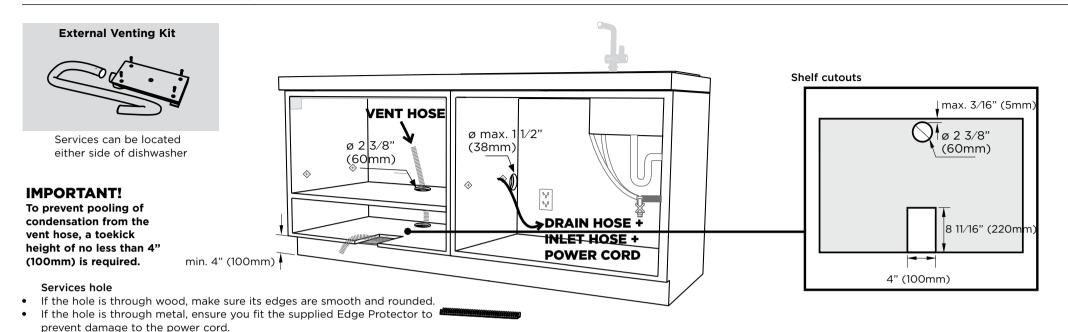
#### HEIGHT OF THE PANEL



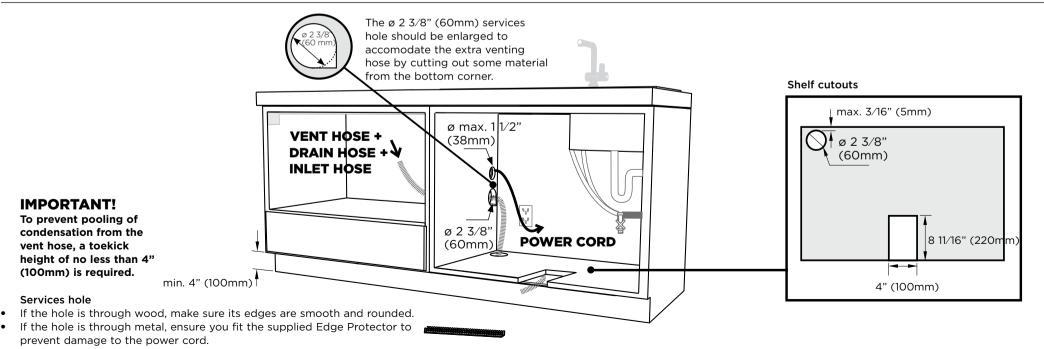


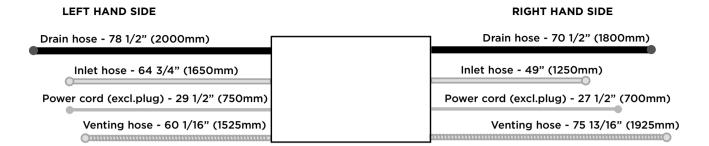


#### 8 PREPARATION FOR EXTERNAL VENTING THROUGH SAME CABINET



#### 8 PREPARATION FOR EXTERNAL VENTING THROUGH ADJACENT CABINET

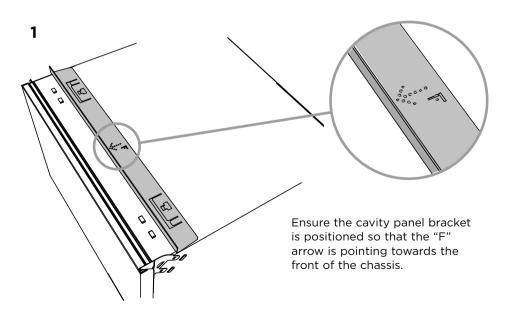


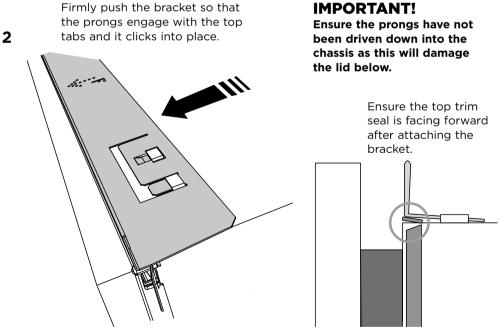


#### 10 TALL HEIGHT INTEGRATED MODELS FOR 18 7/8" (480MM) CAVITY ONLY - ATTACH CAVITY BRACKET

#### **IMPORTANT!**

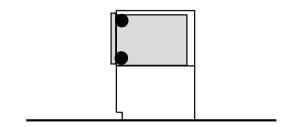
The enclosed cavity bracket is fitted before installation in order to conceal the gap at the top of the cavity left after installation.





# NOW CHOOSE WHICH INSTALLATION METHOD (A) OR (B) IS MORE SUITABLE FOR YOUR CABINETRY...

#### 11 RECOMMENDED METHOD (A) - SECURE WITHOUT DRAWER REMOVAL (FRAMELESS CABINETRY ONLY)



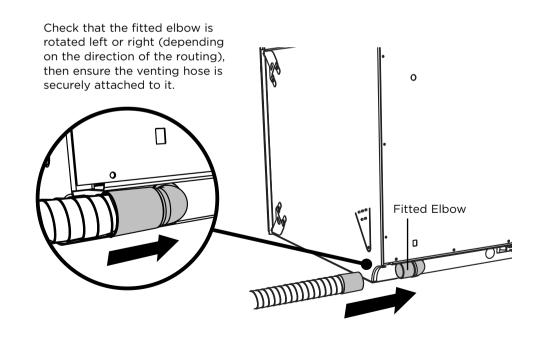
#### 11)-(A) ATTACH SIDE MOUNTING BRACKETS

# Clip all four side mounting brackets into their slots using a flat-bladed screwdriver. Ensure they're securely fitted before sliding product into cavity. The mounting slots are in pairs, one on each side diagonally across the product. A bracket must match A slot and B bracket must match B slot.

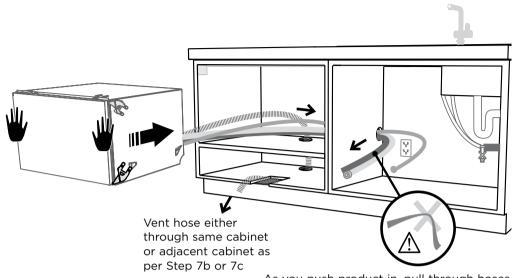
When fitting brackets, ensure the ends are not pushed down into

the chassis.

#### (12)-(A) ATTACH VENTING HOSE





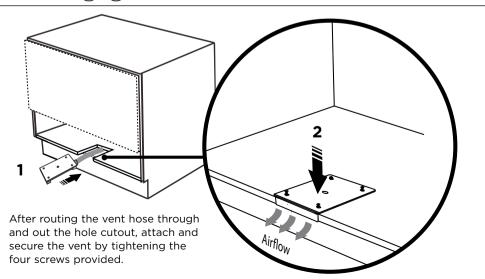


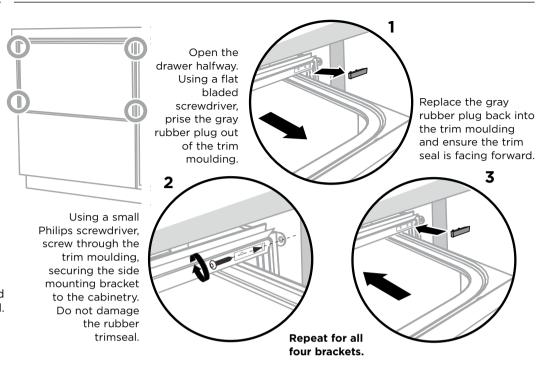
As you push product in, pull through hoses and cord, ensuring they don't get kinked or twisted.

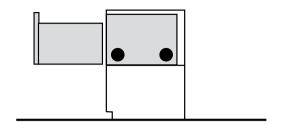
#### **IMPORTANT!**

If product cannot be pushed in far enough, pull out again and rearrange hoses and cord. Do not use excessive force, as doing so may squash the hoses and lead to incorrect operation.

#### SECURE THE EXTERNAL VENT

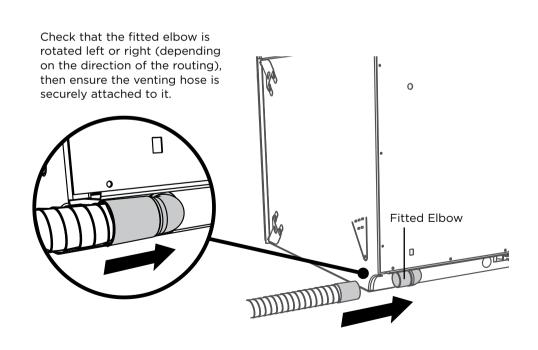


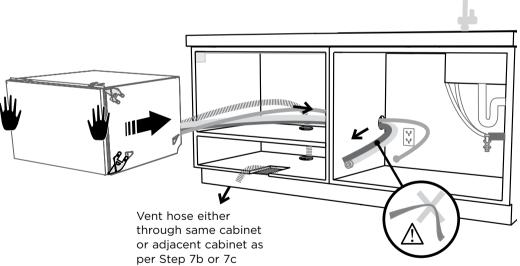




#### (1)-(A) ATTACH VENTING HOSE

#### (12)-(A) PULL THROUGH HOSES & MOVE INTO THE CAVITY





As you push product in, pull through hoses and cord, ensuring they don't get kinked or twisted.

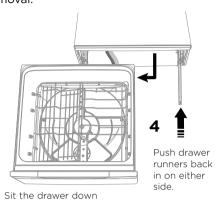
#### **IMPORTANT!**

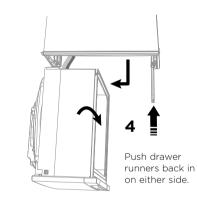
If product cannot be pushed in far enough, pull out again and rearrange hoses and cord. Do not use excessive force, as doing so may squash the hoses and lead to incorrect operation.

4" (100mm)

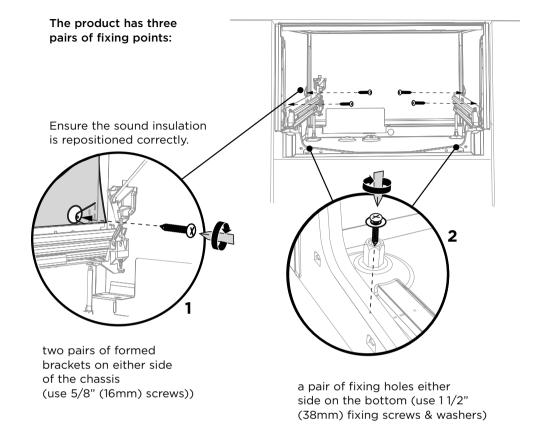
## To prevent kinked hoses

Either sit the drawer down on the left hand side (recommended) or rotate the drawer clockwise, resting it on its side after removal.





Rotate the drawer clockwise (max. 90°) and rest on side.



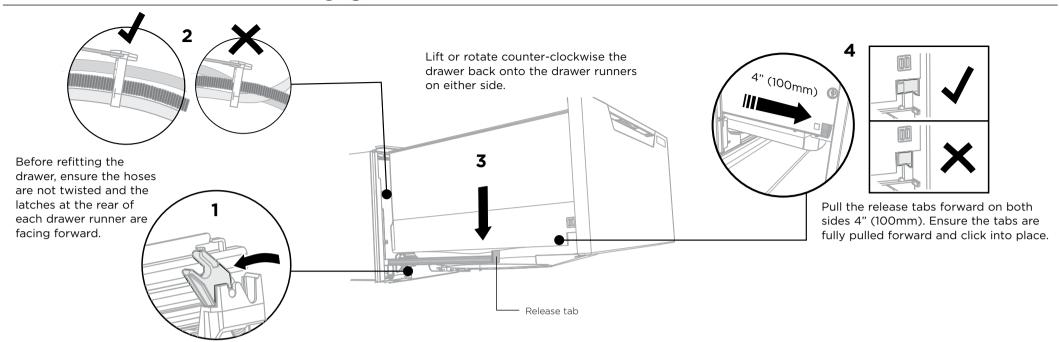
# Lift drawer off runners.

Press the release tabs in on either side and push

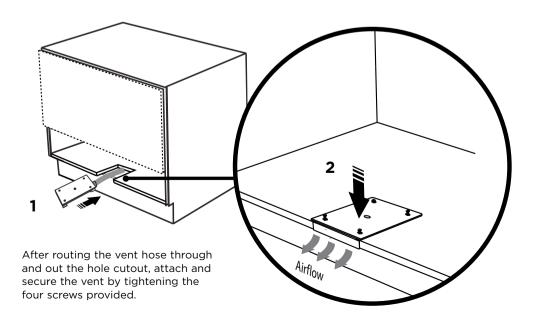
back to release drawer

from runners.

#### (15)-(B) REFIT THE DRAWER ONTO THE RUNNERS



#### (16)-(B) SECURE THE EXTERNAL VENT

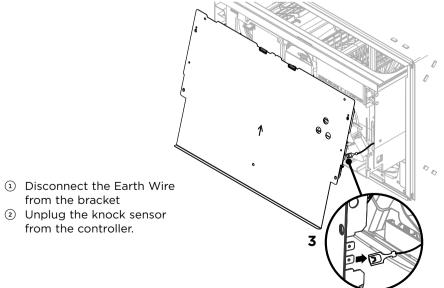


#### 17)

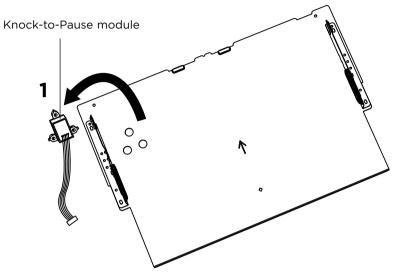
#### (17)-(A) REMOVE PANEL BRACKET FROM PRODUCT

# WARNING! Electrical Shock Hazard Before continuing, ensure that the product is disconnected from the power supply. Failure to follow this warning may result in electrical shock, injury or fire. Side Pin

Remove side pins and gently pull off the panel bracket slightly.



#### 17-B REMOVE THE KNOCK-TO-PAUSE MODULE

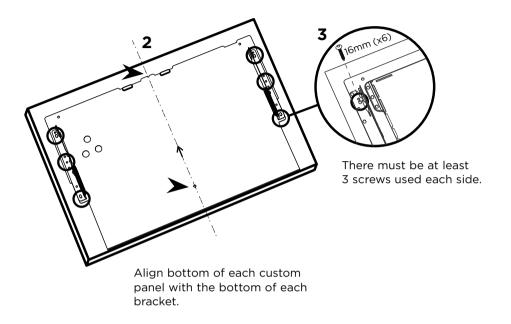


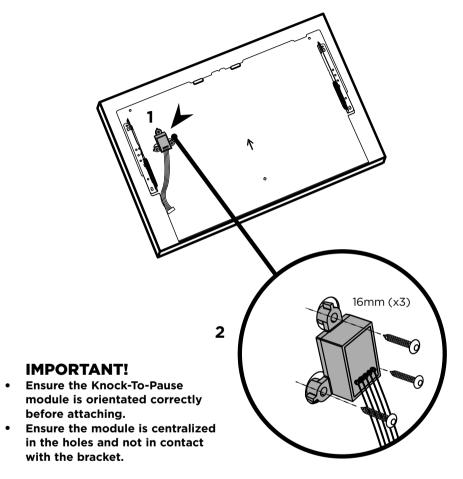
Remove the Knock-to-Pause module from the back of the bracket.

#### 17)

#### 17-C ATTACH CUSTOM PANELS TO PANEL BRACKETS



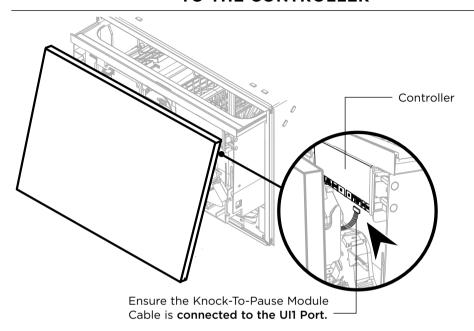




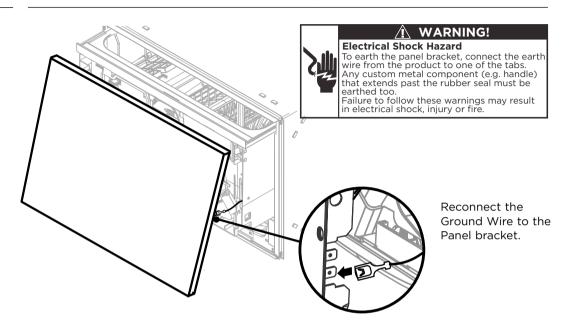
Attach the Knock-To-Pause module to the back of the custom panel through the 3 holes cut into the panel bracket as shown.

Use all 3 screws provided.

# 17-E CONNECT THE KNOCK-TO-PAUSE MODULE TO THE CONTROLLER



# RECONNECT THE GROUND WIRE TO THE PANEL BRACKET



## ATTACH CUSTOM PANEL TO PRODUCT

# ADJUST CUSTOM PANEL HEIGHT TO ALIGN CABINETRY GAPS

### **IMPORTANT!** Ensure the rubber seal between the drawer and panel is kept in place.

Side Pin

Push the Custom Panel on to the drawer and reinsert the side pins on each side.

> Each panel has a maximum travel of 1/16" (2mm) up or down.

Repeat on the other side if necessary.

With the front panels fitted, insert

side pin and rotate the panels up or

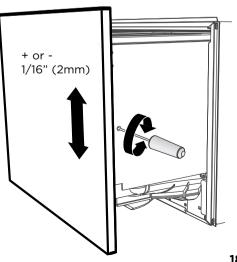
an appropriately sized Philips screwdriver into the hole above the

down to align the gaps

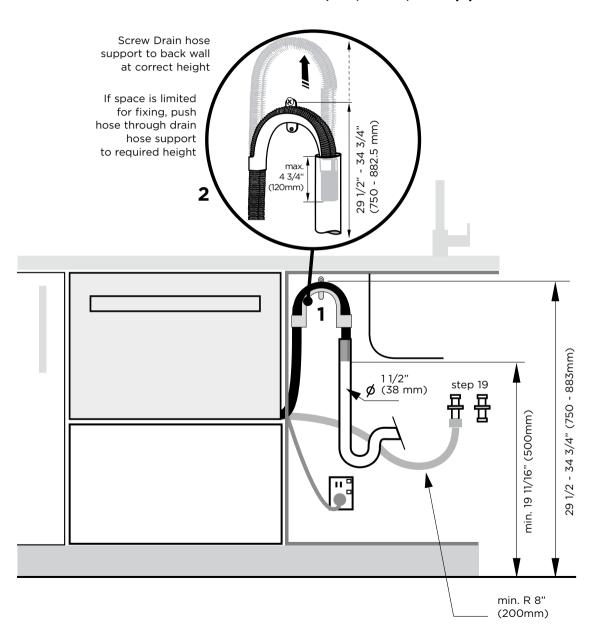
#### **IMPORTANT!**

in your cabinetry.

Ensure that you maintain a minimum of 1/16" (2mm) ventilation gap below the panel.



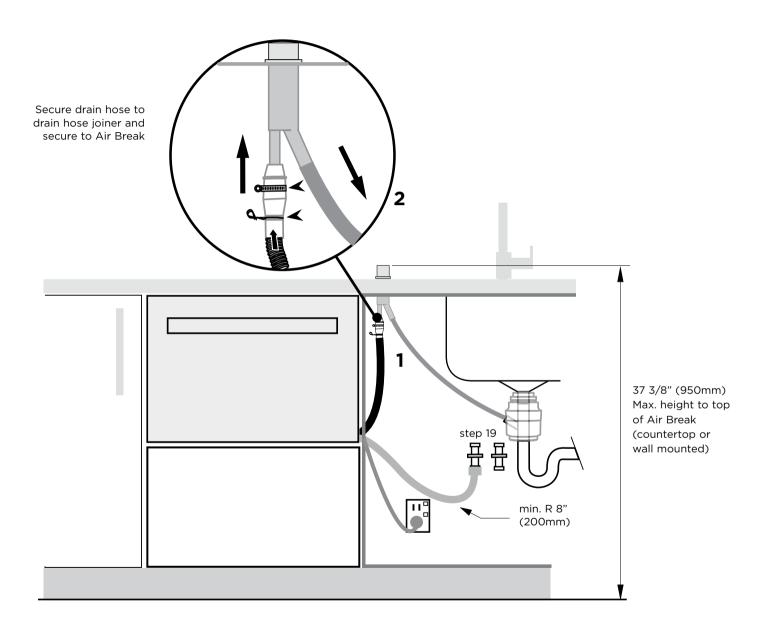
# DRAINAGE OPTION 1 Dishwasher and Ø 1 1/2" (38 mm) Standpipe



#### **IMPORTANT!**

Ensure that drain connection will comply with local plumbing regulations.

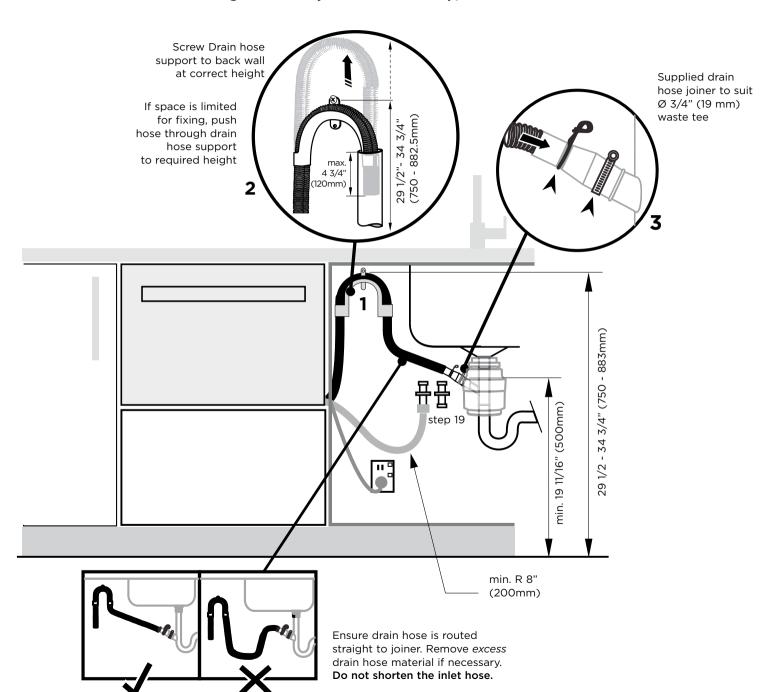
# DRAINAGE OPTION 2 Dishwasher using Air Break with Drain Hose Joiner



#### **IMPORTANT!**

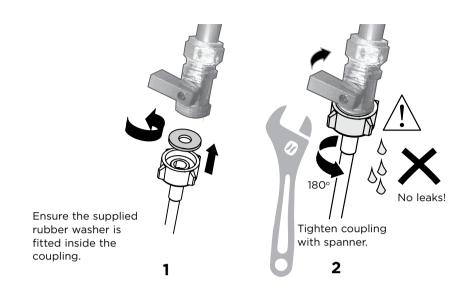
Ensure that drain connection will comply with local plumbing regulations.

# DRAINAGE OPTION 3 Dishwasher using drain hose joiner onto sink trap/waste tee



#### **IMPORTANT!**

Ensure that drain connection will comply with local plumbing regulations.





• Excessive water remaining above the filter plate, after the rinse cycle. (This is displayed as an A3 fault. See user guide 'How to attend to a fault')

Check for a kinked drain hose, blocked or incorrectly drilled out waste connection, highloop not properly installed, drain hose not routed correctly or spray arm not in place.

• No water supply. (This is displayed as an A1 fault. See user guide 'How to attend to a fault')

Check water is connected and turned on.

The dishwasher is beeping continuously

There is a fault. See section 'How to attend to a fault' in the User guide for further information and instructions.

No program indicator lights up when the drawer is opened

Ensure power is connected and is switched on. If it is and still no indicator ligths up, see the 'Preference options' section of the 'Quick start guide'. An option called 'Open drawer auto power-on' may need to be turned on.

Water around water supply and drainage connections

Check connections, existing plumbing and hoses for leaks. Check rubber washer and hose clamp are correctly fitted.

If product is tipping

Ensure the product is secured to the cabinetry.

Drawer doesn't close properly

Ensure nothing is obstructing the drawer from closing properly eg hoses or drawer latches.

- If a problem occurs, consult the 'Troubleshooting' section of the User guide.
- If after checking these points you still need assistance, please refer to the Service & Warranty book for warranty details and your nearest Authorised Service Centre, or contact us through our website, listed below.

$\checkmark$	TO BE COMPLETED BY THE INSTALLER	
	Check all parts are installed.	Turn on the power and water supplies, then open the drawer. You should hear a beep and see a program indicator light up on the control panel.
	Ensure that all panels and parts thereof are secure and final electrical tests have been conducted in accordance with local electrical regulations.	Check the spray arms are in place, mounted correctly and free to rotate, by physically rotating by hand.
	Ensure product is level, securely fastened to the cabinetry and opens and closes freely. The drawers must be free to fully close with no resistance from the cabinetry.	Signal State of the State of th
	Ensure inlet hose to water supply has supplied rubber washer fitted, and that it's tightened a further half turn after seal contact.	
	Ensure any knockouts or plugs in drain connection have been drilled out and drain connection has been made.	Spray arm
	The drain hose joiner must not support the weight of excess hose material. Keep drain hose as fully extended as possible to prevent sagging. Any excess length of drain hose should be kept on the dishwasher side of the highloop.	
	If connecting the drain hose to the sink trap, ensure the Highloop is a minimum 5 7/8" (150mm) higher than the drain hose joiner.	Add three cups of water into the drawer. Press $\gg$ until the indicator of the 'Rinse program lights up. Close the drawer and press $\blacktriangleright II$ to start the program.
	Ensure any packaging or tape securing the racks is removed from the drawers.	When the test cycle is in process check the knock sensor is working by knocking twice on the door to pause the wash program.
	Water softener models only: adjust the water softener setting from the default setting to suit the water hardness of the area.  See the Quick start guide and section 'Water softener' in the User guide.	After the Rinse program has finished, ensure the dishwasher has run and drained correctly.
		Check the water supply has correctly shut off and drainage connection for leakag
Comp	lete and keep for safe reference:	
Model		
Serial	No	
Purch	ase Date	
Purch	aser	FISHERPAYKEL.COM
Dealer	r Address	
Install	er's Name	Copyright © Fisher & Paykel Appliances 2017. All rights reserved.
Installer's Signature		The product specifications in this booklet apply to the specific products and models described at the date of issue. Under our policy of continuous
Installation Company		product improvement, these specifications may change at any time. You should therefore check with your Dealer to ensure this booklet correctly

Installation Date

describes the product currently available.