FISHER & PAYKEL

SINGLE DISHDRAWER™ DISHWASHER

INTEGRATED

DD60SHTI9 CN

INSTALLATION GUIDE

CN

⚠ WARNING!

Electric Shock Hazard

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

- Fitting an integrated panel requires access to electrical service areas. This must be performed by a Fisher & Paykel trained and supported service technician or qualified person.
- Before fitting the front panel, the dishwasher must be disconnected from the power supply.
- After installing the front panel, the installer must ensure that the following components are electrically earthed: the panel bracket and any custom metal component (e.g. handle) that extends past the rubber seal.
- This appliance must be earthed. In the event of a malfunction or breakdown, earthing 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-earthing conductor and an earthing plug.
- Before installing the DishDrawer™ Dishwasher, remove the house fuse or open the circuit breaker.
- The plug must be plugged into an appropriate outlet that is installed and earthed in accordance with all local codes and ordinances.
- 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.
- The dishwasher must be completely enclosed at the time of installation.

⚠ WARNING!

Electric Shock Hazard

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

- WARNING – Improper connection of the equipment-earthing 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 earthed.

⚠ WARNING!

Cut Hazard

Failure to use caution could result in injury.

- Take care – panel edges are sharp.

WARNING!

To reduce the risk of fire, injury to persons or damage when using the appliance, follow the important safety instructions listed below. Read all the guidance before using the appliance.

Servicing

- Do not repair or replace any part of the appliance unless specifically recommended in this guide. All other servicing should be undertaken be a Fisher & Paykel trained and supported service technician or qualified person.

Installation

- 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.
- This dishwasher is manufactured for indoor use only.
- 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.
- Ensure the dishwasher is placed between cabinetry. Failure to do so may result in an unstable product, which may cause damage or injury.
- Do not operate this appliance if it is damaged, malfunctioning, partially disassembled or has missing or broken parts, including a damaged power supply cord or plug.
- Do not store or use petrol, or other flammable vapours and liquids in the vicinity of the dishwasher.
- Connect to a properly rated, protected and sized power supply circuit to avoid electrical overload.
- Make sure that the power supply cord is located so that it will not be stepped on, tripped over or otherwise subject to damage or stress.
- Do not install or store the dishwasher where it will be exposed to temperatures below freezing or exposed to weather.
- Do not use an extension cord or a portable electrical outlet device (e.g. multi-socket outlet box) to connect the dishwasher to the power supply.
- This appliance must be earthed. In the event of a malfunction or breakdown, earthing 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-earthing conductor and a earthing plug. The plug must be plugged into an appropriate outlet that is installed and earthed in accordance with all local codes and ordinances.
- EARTHING INSTRUCTIONS - This appliance must be connected to a earthed metal, permanent wiring system, or an equipment-earthing conductor must be run with the circuit conductors and connected to the equipment-earthing terminal or lead on the appliance.
- 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.
- 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 and electricity regulations.
- At the completion of the dishwasher installation, the Installer must perform the Final Checklist.
- Remove all packaging materials supplied with the dishwasher.
- 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.

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.

PARTS SUPPLIED

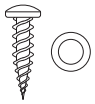
- Keep all packing materials until the unit has been inspected.
- Inspect the product to ensure there is no shipping damage. If any damage is detected contact the dealer or retailer you bought the product from to report the damage.
- Fisher & Paykel is not responsible for shipping damage.

Supplied

Side mounting bracket kits (2)*

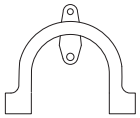
Moisture protection tape (1)

16mm Phillips screws (16)

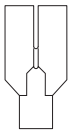


38mm bottom fixing screws and washers (2)

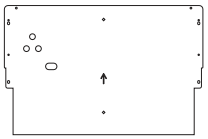
Inlet hose rubber washer (1)**



Drain hose support (1)

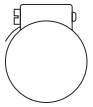


Drain hose joiner (1)

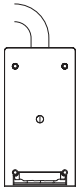


Panel bracket kits (1)**

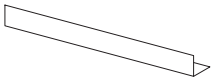
Wire clip (1)



Clamp (1)



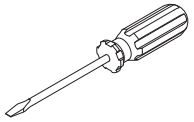
External venting kit (1)



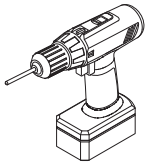
Trim bracket*

TOOLS REQUIRED

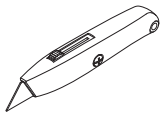
Not supplied



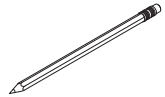
Flat-blade screwdriver



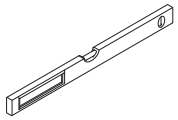
Powered driver



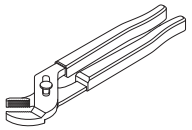
Box cutter



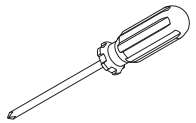
Pencil



Level



Pliers



Phillips screwdriver

INSTALL VIDEO

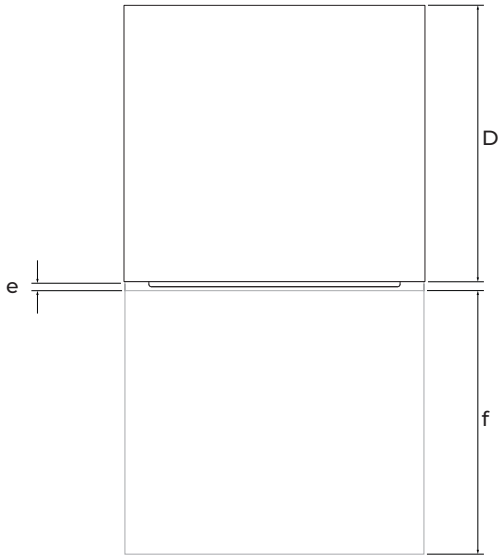
This video provides an overview of what is needed to install a DishDrawer™ Dishwasher. It is intended as an overview only of the installation process and is not intended to be used as a standalone guide on how to install a DishDrawer™ Dishwasher yourself. Installation should be undertaken by a Fisher & Paykel trained and supported service technician or qualified person.

To access installation videos

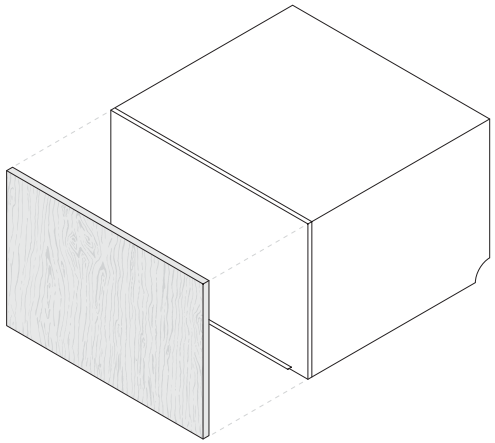
Scan the QR code with your smartphone or watch online at:
fisherpaykel.com/dishdrawer-install

*Optional | **Comes fitted to the product

PRODUCT DIMENSIONS – DD60SI MODELS



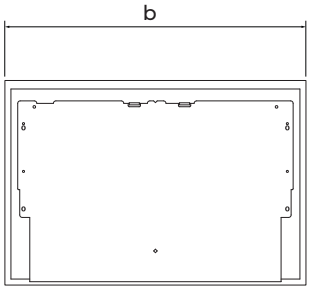
PLAN



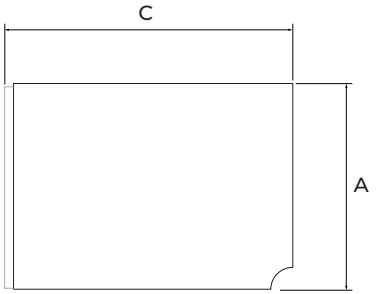
ISOMETRIC

PRODUCT DIMENSIONS		DD60STI
		MM
A	Overall height	454
B	Overall width	599
C	Overall depth*	571
D	Depth of chassis	553
E	Front panel depth**	16 – 20
F	Max. drawer extension***	527

*based on front panel thickness of 18mm
**refer to 'Custom panel dimensions' for more information
***excluding custom panel and handle



FRONT



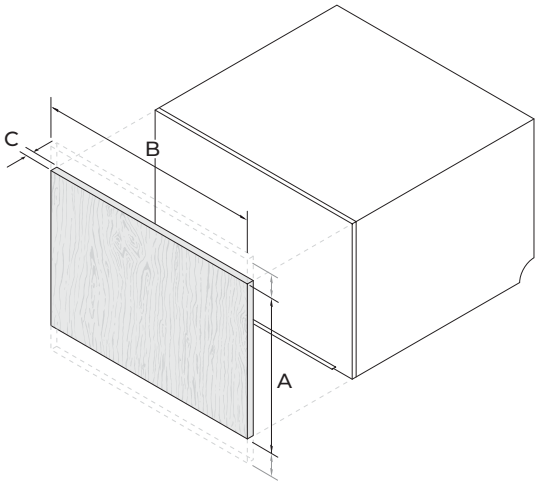
PROFILE

Actual product dimensions may vary by ± 2 mm

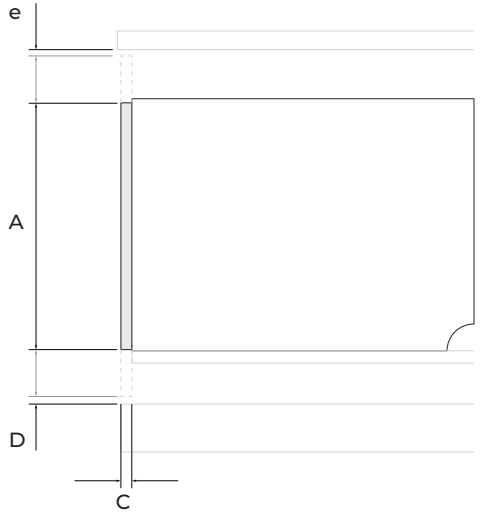
CUSTOM PANEL DIMENSIONS

Material specifications

- Maximum weight of panel must not exceed 9kg (including handle)
- The panel should be adequately sealed to withstand moisture (50°C @ 80% RH). The back and sides of the panel should be completely sealed with a waterproof vapour barrier, such as polyurethane, to prevent damage.
- The back of the panel should be completely flush so that the seal between the panel and the rubber trim is maintained. The door panel should not rest on the surrounding cabinetry.
- Installation outside these specifications may result in condensation on cabinetry surfaces.



ISO



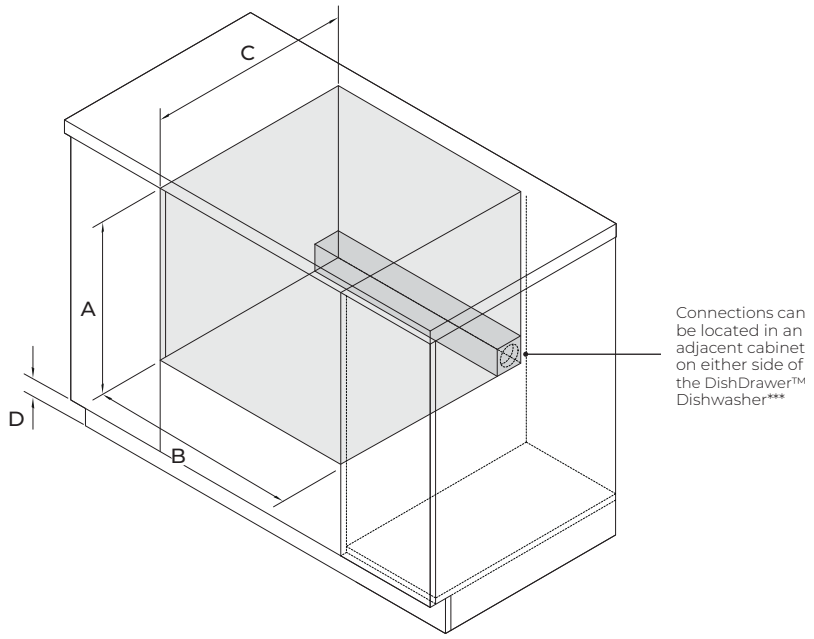
PROFILE

CUSTOM PANEL CONSIDERATIONS		MM
A	Minimum panel height	452
B	Minimum panel width	596
C	Panel depth	16 – 20
D	Minimum clearance between base of door panel and cabinetry	2
E	Minimum clearance between top of door panel and countertop	2

Maximum weight of each drawer panel (including handle)	9kg

*Core panel dimension. Panel can be extended or lowered to suit installation

DIMENSIONS



ISOMETRIC

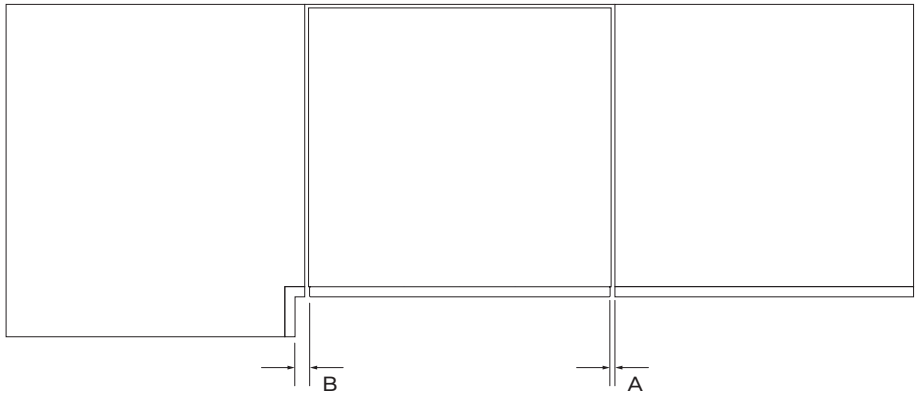
CABINETRY DIMENSIONS		TALL MODELS
		MM
A	Minimum inside height	min. 456
B	Inside width	600
C	Minimum overall depth*	579
D	Minimum toe kick height**	100

*including 19mm door panels on adjacent cabinetry

**when venting through the same or adjacent cabinet. Refer to 'External venting preparation' for more information.

***for more information on service requirements, refer to 'Plumbing & electrical considerations' and 'Cabinetry preparation'.

CLEARANCES



PLAN

CABINETRY CLEARANCES		MM
A	Minimum clearance to adjacent cupboard door	2
B	Minimum clearance to corner cupboard	13

PLUMBING & ELECTRICAL CONSIDERATIONS

Hose and cord lengths

- Your services can be installed to **either** the left-hand or right-hand side of the product in an adjacent cabinet. Refer to 'Cabinetry preparation' for service access requirements.
- If the drain hoses supplied are not long enough to reach your services, you may purchase a Fisher & Paykel drain hose extension kit which will extend the drain hoses by 3.6m (part number 525798).

Water connection

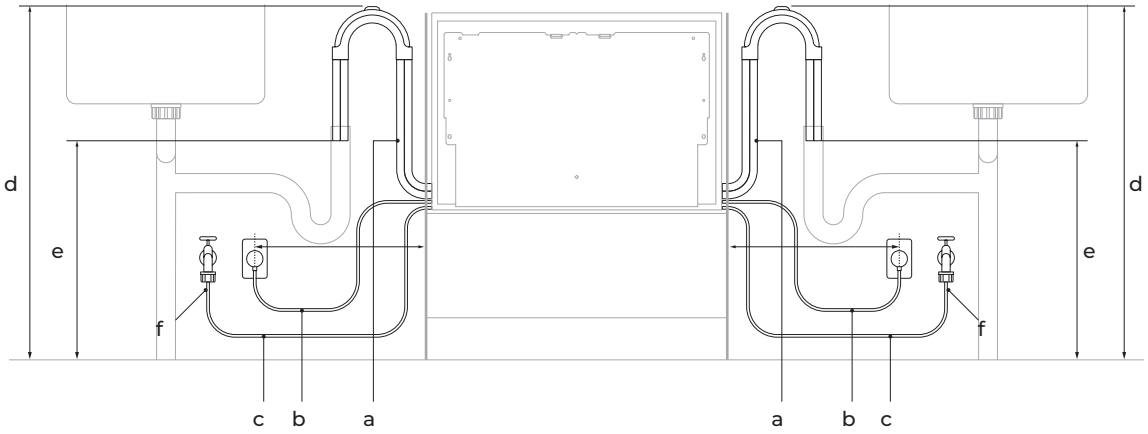
- Recommended water temperature: Cold (maximum 60°C)
- 3/4" BSP (GB20) to suit flat washer
- Ensure water connection complies with local plumbing regulations.

Water pressure

- Water softener models: max. 1 MPa (145 psi), min. 0.1 MPa (14.5 psi)
- Non-water softener models: max. 1 MPa (145 psi), min. 0.03 MPa (4.3 psi)

Electrical requirements

- 220 – 240V min 4.8A



SERVICE DIMENSION		LEFT SIDE*	RIGHT SIDE*
		MM	MM
A	Length of drain hoses	2000	1800
B	Length of power cord**	1650	1650
C	Length of inlet hose	1650	1250
D	Distance from floor to top of hose support	750 – 883	750 – 883
E	Minimum distance from floor to end of drain hoses***	500	500
F	Minimum inlet hose radius	200	200
G	Maximum distance from cabinetry centre of electrical outlet	450	450

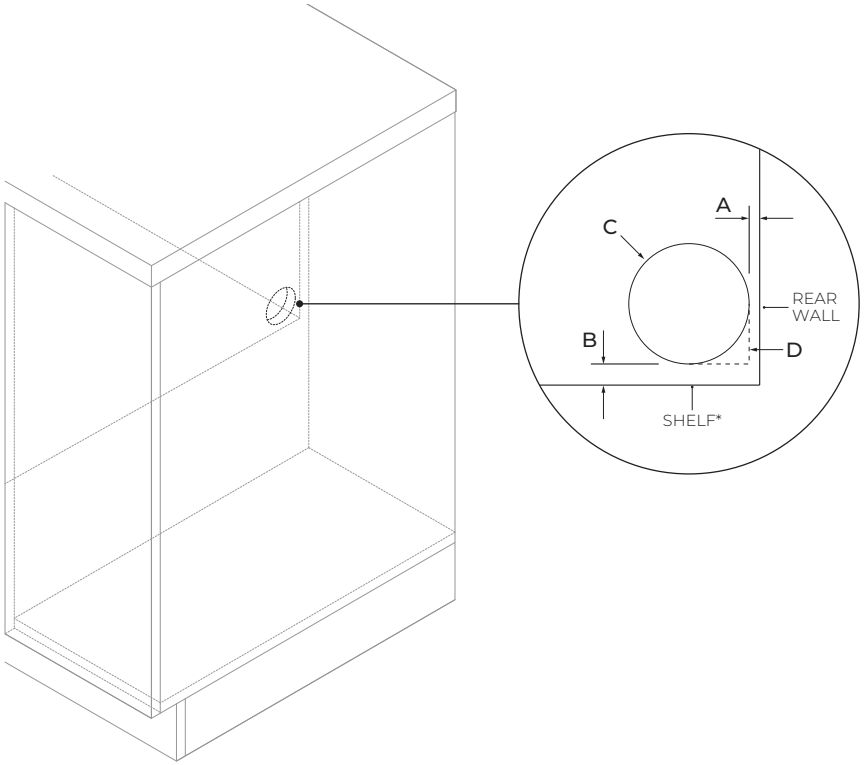
*dimensions taken from the chassis edge where applicable

**excluding plug

***standpipe install illustrated. Distance is the same for all plumbing installs.

SERVICE ACCESS

- Service holes can be created on either side of the DishDrawer™ Dishwasher cavity as shown below.
- If the hole is created through wood, ensure the edges are smooth and rounded.
- If the hole is created through metal, ensure the edge protector is fitted.



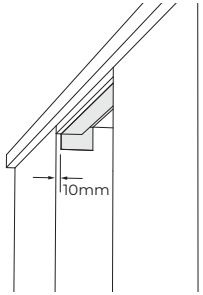
PROFILE

SERVICE HOLE DIMENSIONS		MM
A	Maximum distance between rear of cavity and service hole	5
B	Maximum distance between shelf* and service hole	10
C	Minimum diameter of service hole	57
D	If venting through the adjacent cabinetry, the rear edge of the service hole should be enlarged by cutting out the bottom corner	

*For assisted opening installations, maximum distance should be referenced from the top of the spacer blocks

MOISTURE PROTECTION

1

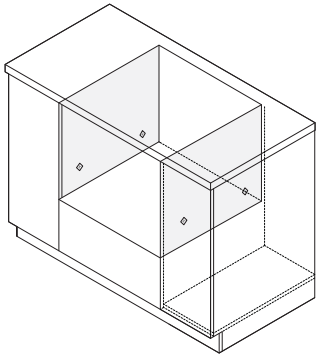


Align the supplied moisture protection tape to the cabinetry as illustrated

Ensure this area is free of debris before carefully applying the tape to the surface.

SIDE PARTITION

1



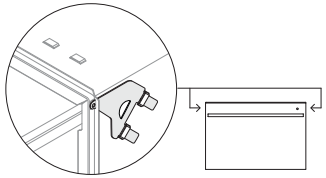
If securing via the drawer removal method, ensure the marked locations provide adequate support.

If there are no side partitions, construct timber bracing to secure the fixings to.

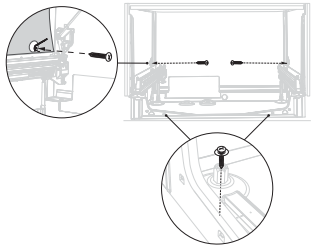
SELECT CABINETRY SECURING METHOD

METHOD A
Secure to cabinetry via brackets

Recommended method*



METHOD B
Secure via drawer removal



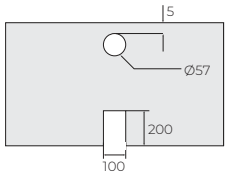
*Frameless cabinetry only

EXTERNAL VENTING PREPARATION

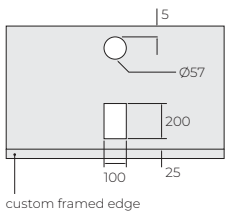
To prevent the build up of condensation produced by your DishDrawer™ Dishwasher, the external venting kit must be installed via one of the following options:

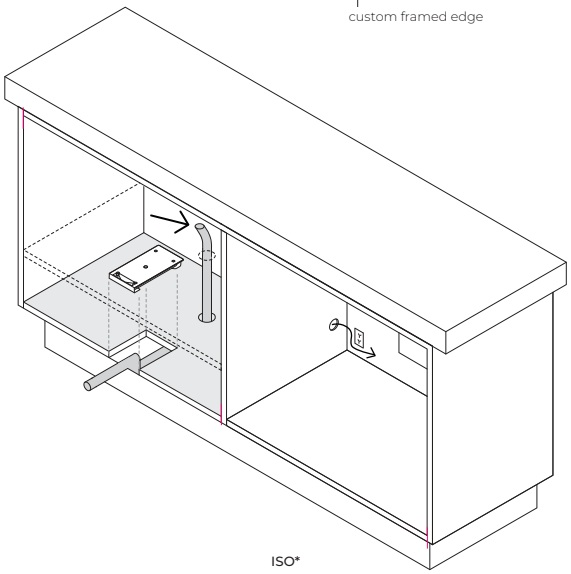
THROUGH SAME CABINET

FRAMELESS



FRAMED





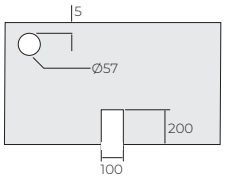
ISO*

- A toe kick height of at least 100mm is required.
- A Ø57mm service hole should be created through the side wall following the guidance under 'Cabinetry preparation'. In addition to this, a second Ø57mm service hole must be also be created through the shelf and the base of the cavity to route the venting hose through.
- **Frameless cabinetry:** A 100mm x 200mm cutout must be created at the front of the cabinetry base to secure the duct to.
- **Framed cabinetry:** A toe kick depth of at least 60mm is required. In addition, a 100mm x 200mm cutout must be created within the adjacent cabinetry base to secure the duct to. This cutout should be set back a minimum of 25mm from the frame edge for optimal venting.

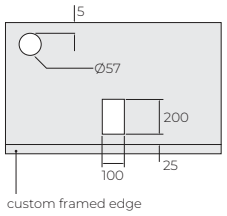
*Frameless install illustrated

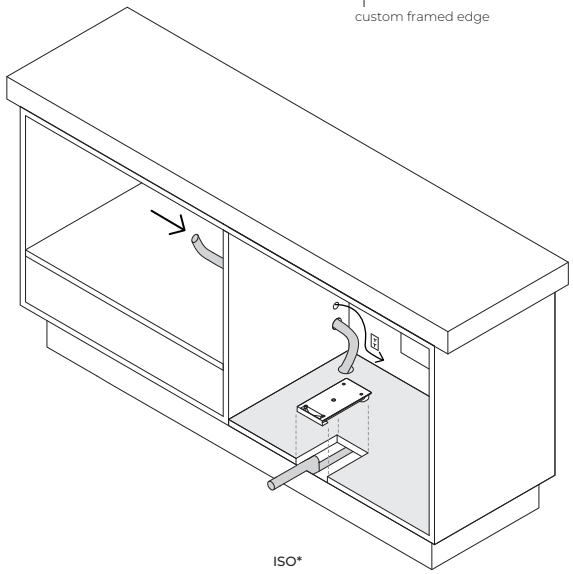
THROUGH ADJACENT CABINET

FRAMELESS



FRAMED





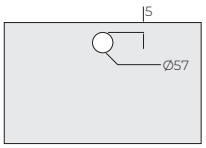
ISO*

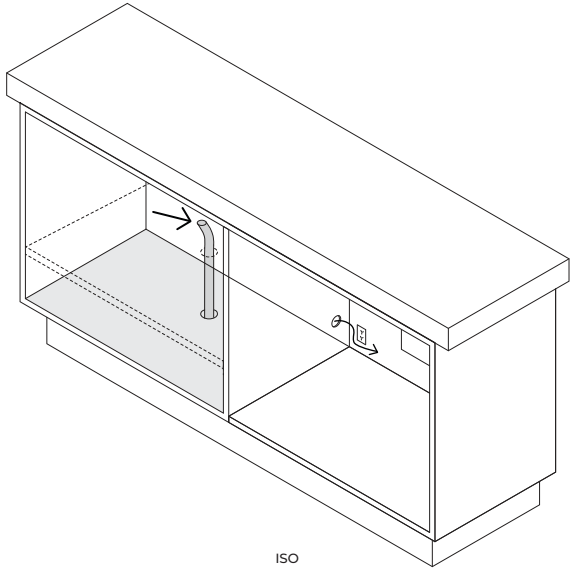
- A toe kick height of at least 100mm is required.
- A notched-out Ø57mm service hole should be created through the side wall following the guidance under 'Cabinetry preparation'.
- **Frameless cabinetry:** A 100mm x 200mm cutout must be created in the base of the adjacent cabinetry to secure the duct to.
- **Framed cabinetry:** A toe kick depth of at least 60mm is required. In addition, a 100mm x 200mm cutout must be created within the adjacent cabinetry base to secure the duct to. This cutout should be set back a minimum of 25mm from the frame edge for optimal venting.

*Frameless install illustrated

THROUGH FLOOR

FRAMED & FRAMELESS





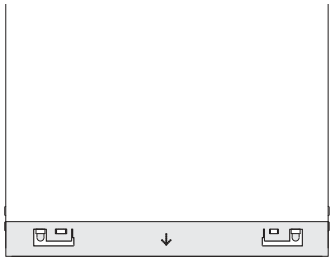
ISO

- There is no minimum toe kick height for venting the DishDrawer™ Dishwasher through the floor below the cabinetry, the space below the floor however, must be a sub-area of the house and have adequate airflow.
- A Ø57mm service hole should be created through the side wall following the guidance under 'Cabinetry preparation'. In addition to this, a Ø57mm service hole must be also be created through the shelf, the base of the cavity and the floor to route the venting hose through.
- The duct is not required for this venting method.
- Ensure all cutout edges are smooth and rounded and the supplied edge protector is fitted if required.
- Ensure cutout in the floor is sealed adequately.

FIT THE TRIM BRACKET

We recommend fitting the trim bracket when installing your DishDrawer™ Dishwasher into a 480mm cavity to conceal any visible gap left between the countertop and chassis.

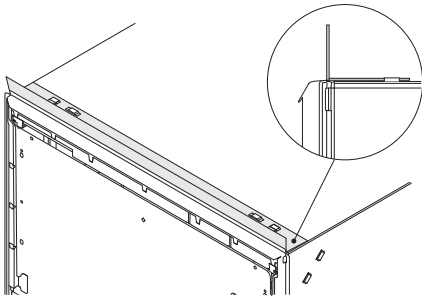
1



Align the bracket to the chassis ensuring the arrow is facing forward and firmly slot the tabs into place to secure.

Ensure the ends of the tabs are not pushed into the chassis.

2

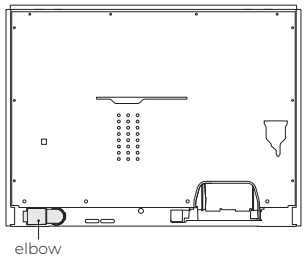


Check the trim seal is facing forward and sitting flat under the bracket.

PREPARE EXTERNAL VENTING

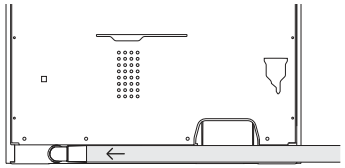
FIT THE VENTING HOSE TO THE DISHDRAWER™ DISHWASHER

1



Rotate the elbow at the rear of the product to either the left or right depending on your venting location.

2

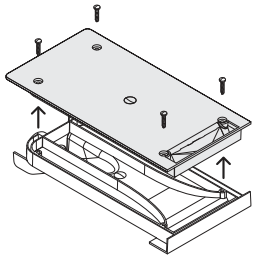


Push the vent hose onto the elbow firmly to secure.

TRIM THE DUCT

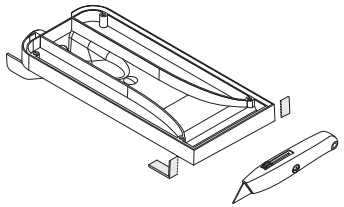
Framed cabinetry only

1



Unscrew the top cover from the vent and set aside.

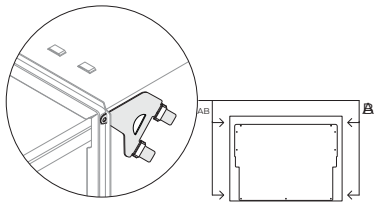
2



On a protected surface, carefully cut and remove the clips from the vent as shown. Refit the top cover.

PUSH THE PRODUCT INTO THE CAVITY

1

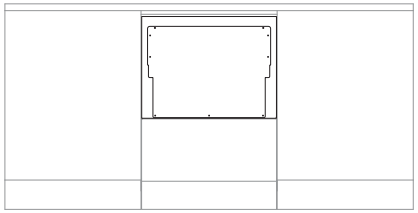


If securing via bracket method:

Secure all four side brackets to the DishDrawer™ Dishwasher, aligning bracket A with slot A and bracket B with slot B.

Ensure the ends of the brackets are not pushed into the chassis.

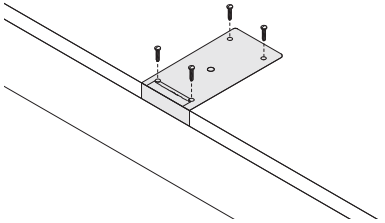
2



Push the product into the cavity, pulling the hoses through as you push to avoid crushing or twisting them.

SECURE THE VENTING HOSE TO CABINETRY

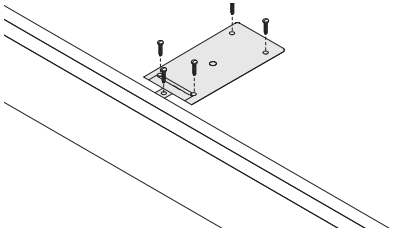
VENTING THROUGH CABINETRY



Unframed cabinetry

Route the venting hose to the cutout and push onto the duct firmly to secure.

Push the duct onto the cabinetry and secure using the four provided screws.

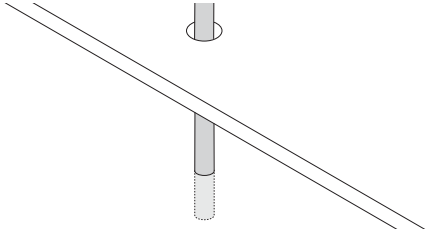


Framed cabinetry

Route the venting hose to the cutout and push onto the duct firmly to secure.

Place duct into cutout and insert the bracket into vent slot. Secure using the five provided screws.

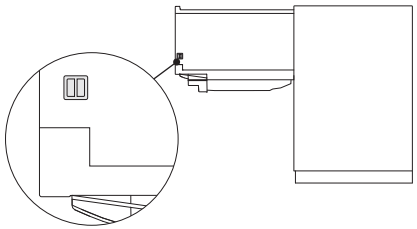
VENTING THROUGH FLOOR



Route the venting hose through the floor. Ensure any excess hose is removed.

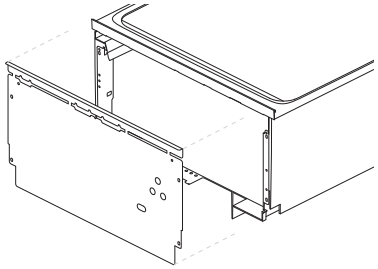
FIT THE CUSTOM PANEL

1



Remove both side pins.

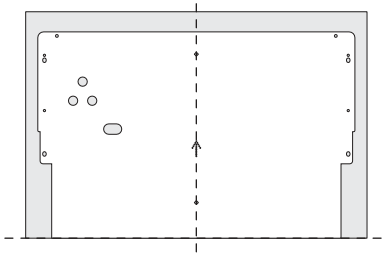
2



Carefully pull the bracket down and out from DishDrawer™ Dishwasher and unplug the Knock-to-Pause module and earth wire.

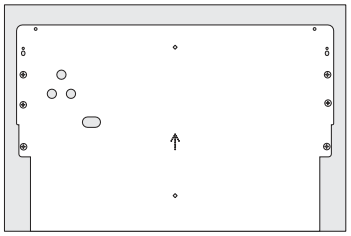
Remove the Knock-to-Pause module from the back of the bracket.

3



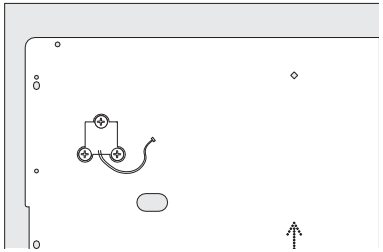
On the back of the panel, mark the centre and align the base of the bracket with the base of the panel.

4



Secure the bracket to the panel using a minimum of 3 screws on either side.

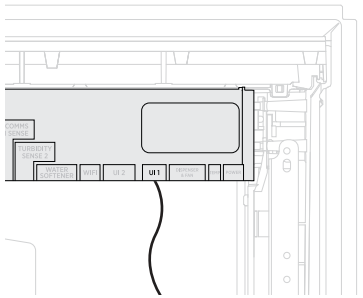
5



Attach the Knock-to-Pause module to the panel as shown.

Ensure the Knock-to-Pause module is oriented correctly and is not in contact with the bracket before securing.

6

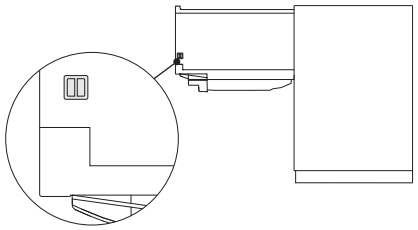


Electric shock hazard:

To earth the panel bracket, connect the earth wire from the product to one of the tabs. Any custom metal components (e.g. handle) that extend past the rubber seal must be earthed also.

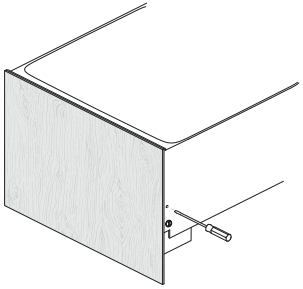
Reconnect the Knock-to-Pause module to the UI 1 slot on the wash controller as shown. Reconnect the earth wire to the panel bracket before fitting the panel to the product.

7



Re-insert both side pins to each drawer.

8



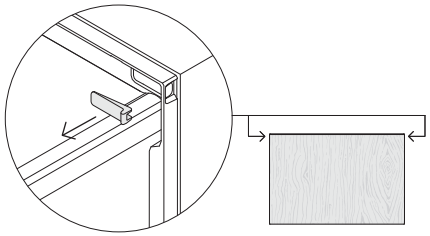
Insert a Phillips screwdriver into the hole above the side pin and rotate to adjust the panel alignment. There is a maximum travel distance of ± 2mm.

Repeat on the other side if required.

Ensure the minimum clearance gap of 2mm is maintained and that the door panel does not rest on the surrounding cabinetry when closed.

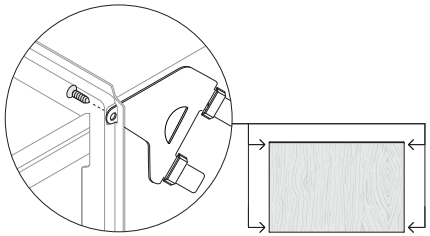
SECURE TO CABINETRY VIA BRACKETS (METHOD A)

1



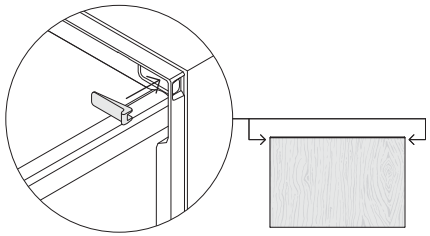
Partially open the drawer and remove the first screw cover from the trim moulding.

2



Secure to cabinetry via the brackets. Pre-drilling a pilot hole may be required depending on the cabinetry material.

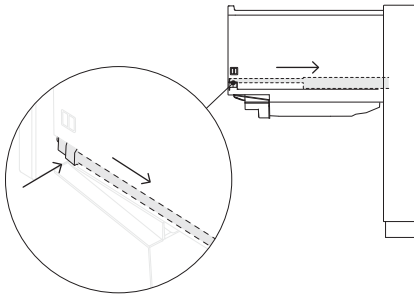
3



Replace the trim cover and repeat for the remaining brackets.

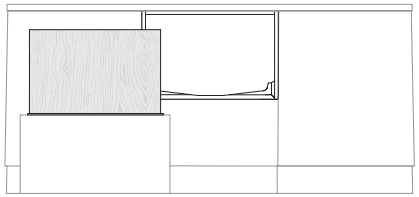
SECURE TO CABINETRY VIA DRAWER REMOVAL (METHOD B)

1



Open the drawer and press both locking tabs back to release.

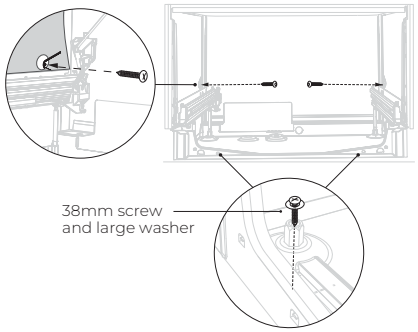
2



Lift the drawer off the runners and carefully set aside on a protected surface. Push runners back in.

Take care not to pull drawer out too far to prevent any strain on the hoses. Where possible, protect the base of the tub to prevent damage.

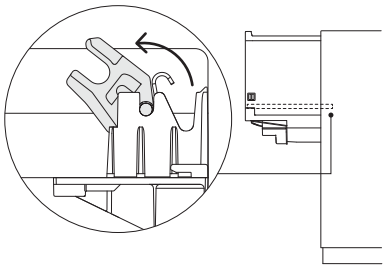
3



Secure to cabinetry via all three fixing locations in the chassis.

Ensure sound insulation is replaced correctly.

4



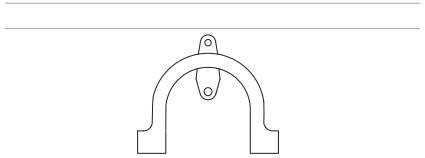
Before refitting the drawer, ensure the hoses are not twisted.

Refit the drawer to the runners and clip into place via both locking tabs.

PLUMBING & ELECTRICAL CONNECTION

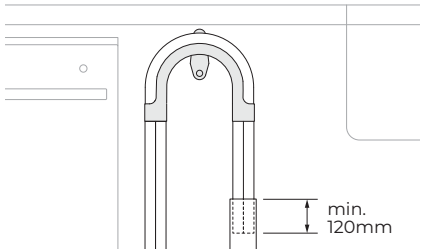
Ø38MM STANDPIPE INSTALLATION

1



Install the drain hose support to the back wall, as close to the underside of the countertop as possible. Refer to 'Plumbing & electrical considerations' for minimum install heights.

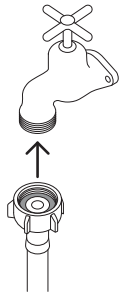
2



Pull the hose through the support guide and rest in standpipe.

Ensure the drain hose does not extend into water retained in the trap; an air gap is required to prevent waste water from siphoning back into the tub.

3

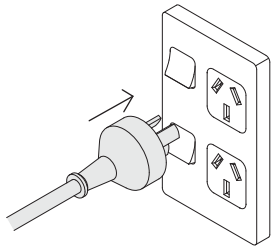


Ensure the supplied rubber washer is fitted to the coupling before connecting the inlet hose to tap. Hand-tighten into place.

Using a spanner or pliers, turn a further 180° to secure. Avoiding over-tightening.

Do not turn water supply on. The DishDrawer™ Dishwasher must be powered on for the flood protection feature to be enabled.

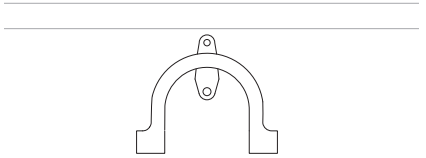
4



Plug product in.

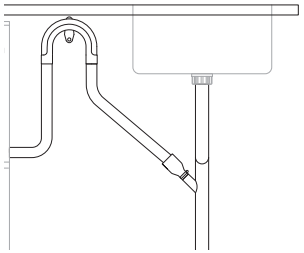
SINK TRAP/WASTE TEE INSTALLATION

1



Install the drain hose support to the back wall, as close to the underside of the countertop as possible. Refer to 'Plumbing & electrical considerations' for minimum install heights.

2

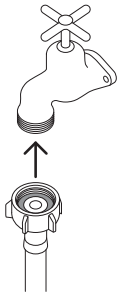


Pull the hose through the drain hose support before threading the wire clip on to the hose and fitting to the supplied hose joiner. Secure using the wire clips.

Ensure hose is routed straight to the joiner, removing excess drain hose if necessary. Do not shorten the inlet hose.

Unplug or drill out the waste tee before securing joiner to sink trap or waste tee.

3

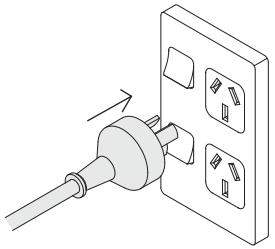


Ensure the supplied rubber washer is fitted to the coupling before connecting the inlet hose to tap. Hand-tighten into place.

Using a spanner or pliers, turn a further 180° to secure. Avoiding over-tightening.

Do not turn water supply on. The DishDrawer™ Dishwasher must be powered on for the flood protection feature to be enabled.

4



Plug product in.

INSTALLER CHECKLIST

TO BE COMPLETED BY THE INSTALLER

Installation

- ☐ Check all parts are installed correctly and are secure.
- ☐ Ensure DishDrawer™ Dishwasher is securely fastened to the cabinetry and drawer opens and closes freely with no resistance.
- ☐ Ensure panel is fitted correctly to the DishDrawer™ Dishwasher
- ☐ Ensure any packaging or tape securing the racks and spray arm is removed.
- ☐ Check the spray arm is in place, mounted correctly and rotate freely.
- ☐ Ensure knock-to-pause module is fitted securely and operating correctly.

Plumbing

- ☐ Ensure any knock-outs or plugs in drain connection have been drilled out and drain connection has been made.
- ☐ 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.
- ☐ Ensure inlet hose has supplied rubber washer fitted, and that it's tightened.
- ☐ If connecting the drain hose to the sink trap, ensure the highloop is a minimum 150mm higher than the drain hose joiner.
- ☐ Water softener models: adjust the water softener setting from the default setting to suit the water hardness of the area. Refer to your user guide.
- ☐ Ensure water supply is turned off until power is connected and turned on. The DishDrawer™ Dishwasher must be powered on for the flood protection feature to be enabled.

Electrical

- ☐ Ensure all electrical tests have been conducted in accordance with local regulations.

Test operation

- ☐ 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.
- ☐ Add three cups of water into the drawer.
- ☐ Navigate to RINSE and start the program.
- ☐ Repeat for the other drawer.
- ☐ After the Rinse cycle has finished, ensure the dishwasher has run and drained correctly.
- ☐ Check the water supply has been shut off correctly.
- ☐ Check drainage connections for leaks.
- ☐ **If site is left without power after installation is complete, ensure water supply is turned off to prevent flooding.**

TROUBLESHOOTING

DISPLAY	POSSIBLE CAUSE	WHAT TO DO
RINSE + all modifiers	A1: Water Supply fault.	1 Ensure the water supply is turned on. 2 Press ▶ once to stop the beeping, then again to clear the fault. 3 Press ▶ to resume the wash program.
DELICATE, RINSE + all modifiers	A3: Drawer cannot drain. The drainage hose may be blocked or kinked, or the connection to drainage pipe may be blocked.	1 Ensure the drainage hose and connection to pipes are not blocked. 2 Press ▶ once to stop the beeping, then again to clear the fault. 3 Press ▶ to resume the wash program.
FAST, DELICATE + all modifiers	A6: The spray arm has loosened or come off its mounting, or water pressure is too low, or a combination of low water pressure and excessive foaming.	1 Open the drawer and check the spray arm. 2 If the spray arm has loosened or come off its mounting, re-fit it. Check that it is firmly seated and turns freely. Refer to 'Maintenance' in your user guide. 3 Press ▶ once to stop the beeping, then again to clear the fault. 4 Press ▶ to resume the wash program.

The DishDrawer is beeping continuously

- Refer to the 'Fault codes' section of your User guide

No program indicator lights up when the drawer is opened

- Ensure power is connected and is switched on.
- AUTO POWER-ON may need to be activated. Refer to your User guide for details.

Drawer doesn't close properly

- Ensure nothing is obstructing the drawer from closing such as hoses or drawer latches.

Water appears around water supply and drain connections

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

Product is tipping

- Ensure the product is secured to the cabinetry.

Front panels are misaligned to surrounding cabinetry

- Check the cabinetry is square. Check and relevel product. Unscrew the product from the cabinetry. Adjust the feet to level the product, then re-secure to the cabinetry.

- If a problem occurs that is not listed, refer to your user guide for additional troubleshooting If after checking these points, you still need assistance, please refer to the Service & Warranty book for warranty details or contact us through our website fisherpaykel.com

FISHERPAYKEL.COM

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The models shown in this guide may not be available in all markets and are subject to change at any time.

The product specifications in this guide apply to the specific products and models described at the date of issue. Under our policy of continuous product improvement, these specifications may change at any time.

For current details about model and specification availability in your country, please go to our website or contact your local Fisher & Paykel dealer.