

excellence & PRIDE

GWL12, GWM12, GWC12, MWC12

Clothes Washer Installation instructions and User guide EN

Intelligence Working For You

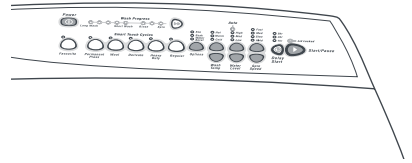
smart drive™

70 years of laundry experience has led to the development of the world's most advanced wash system, the *Smart Drive*™.

Unlike conventional machines, *Smart Drive*™ autowashers use intelligence to adapt the wash action and water levels to save on water and electricity use; making it kinder on your wallet and the environment.

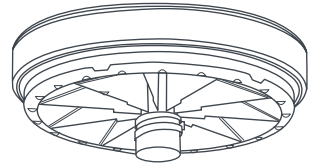
Intelligent Electronics

A powerful microprocessor controls every aspect of the *Smart Drive*™, allowing it to continually monitor and respond to each wash. It contains over 10,000 lines of instructions in its brain' – the result of many years of testing and fine-tuning, to give you the best possible performance.



Direct Drive Motor

Our revolutionary direct drive motor is capable of infinite wash actions, continuously adjusting its speed to the movement of your clothes, removing dirt while caring for the fabric, delivering the ultimate wash.

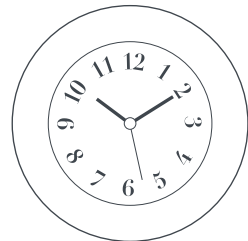


Reliability

The *Smart Drive*™ has no mechanical brake, pulleys or gears, which means fewer moving parts and greater reliability.

Saves Time

With a top spin speed of 1000rpm, *Smart Drive*™ reduces clothes drying time by up to 30%.

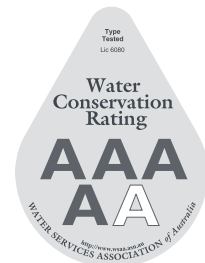


Energy Conservation

The unique wash action means a typical load uses only the same amount of electricity as a 100-watt light bulb left on for an hour.

Eco

Designed to make every drop count, using up to 25% less water than the traditional Water Saver rinse.



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Please Note:

All diagrams feature the **EXCELLENCE** button shape unless otherwise stated.
The use of the button is the same for all *Smart Drive*[™] models.

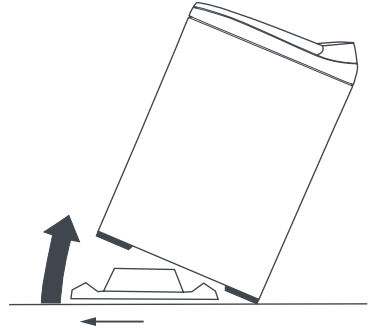
Installation Instructions

Unpacking

To ensure the best performance from your new *Smart Drive™* please follow the instructions below.

Removing the Packaging

- 1 Remove the outer packaging.
- 2 Tilt the machine backwards and walk it off the bottom packer one foot at a time.
- 3 Remove the bottom packer from under the machine by pulling it out the front.
- 4 Lift the lid and remove the bowl packer from the bowl.
- 5 Remove the hoses and accessories.
- 6 Keep the bottom packer and bowl packer in case they are required for future transit.



Please ensure that the bottom packer has been removed before operating your machine.

In your autowasher you will find:

- 4 rubber inserts for the levelling feet (joined together).
- 1 hose guide.
- White inlet hose.

Inlet Hose

- 1 Connect the straight ends of the white inlet hose to the tap. There are washers fitted in both ends.
- 2 Connect the elbow end of the white inlet hose to the machine inlet valve. Inlet valves are marked on the back of the machine

H=Hot

C=Cold.

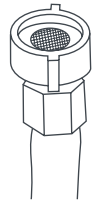
Cold Supply Only:

If you only have a cold water supply, an inlet valve cap (blanking cap) MUST be connected to the hot inlet valve. The cap prevents water leaking out of the hot valve.

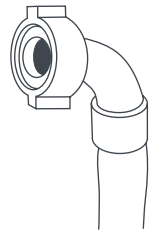
If you select any of the warm or hot settings, the machine will come up with a user alarm (refer to "If Your *Smart Drive™* Beeps for Help", page 33) as there is no hot water to maintain the temperature you have selected.

Note:

The *Smart Drive™* does not have an internal heater to heat the water.



Tap end



Machine end



Inlet valve cap

Installation Instructions

Drain Hose

- Carefully pull the black drain hose out from the back of the machine by pulling the exposed part of the hose downwards and outwards.
- The drain hose can be:
 - Connected to a standpipe.
 - Connected to a tub.
 - Connected to a floor drain using an antisiphon vent pipe (not supplied).

When connecting the drain hose to a tub or standpipe, use the hose guide, included in the accessory kit, to guide the drain hose over the tub or into the standpipe. The drain hose should not extend more than 20mm from the end of the guide (this is to prevent syphoning). If necessary the drain hose can be trimmed to length.

When connecting to a floor drain we recommend using an antisiphon vent pipe. This is a short standpipe (400mm long and 40mm in diameter) attached to the back of the machine.

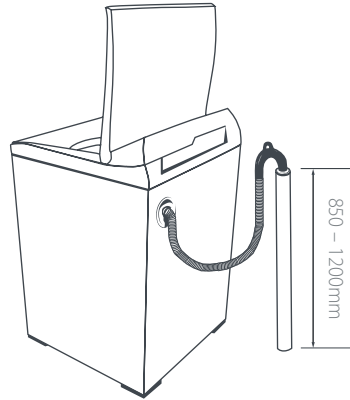
A flexible hose connects it to the floor drain.

Note:

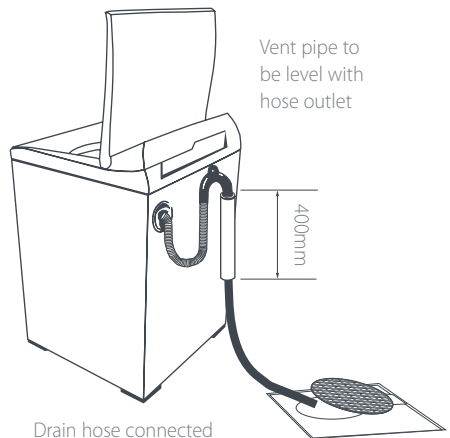
Use an adhesive to attach the vent pipe to the back of the machine. Do not use screws as they may damage internal parts.

Make sure the top of the vent pipe is level with the drain hose outlet.

Syphoning may occur if the drain hose is positioned too low or connected directly to a floor drain. This may result in a user warning (refer page 33).



Drain hose connected to a standpipe



Drain hose connected to a floor drain using an antisiphon vent pipe

Accessories and Spare Parts

Available from your Fisher & Paykel Dealer or Authorised Service Centre.

Hose Inlet Long (2m)	Part No. 422680
Hose Inlet Large Bore	Part No. 426123
Drain Hose Extension	Part No. 425627p
Power Cord	

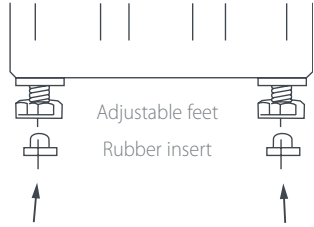
If the Power Cord of your autowasher is damaged it must be replaced by a Fisher & Paykel Authorised Service Centre, as it is not a standard power cord.

Installation Instructions

Levelling

It is **IMPORTANT** to level the machine to ensure even spin performance.

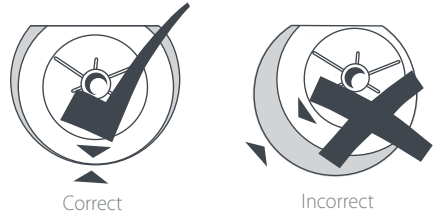
- 1 Separate the 4 rubber foot inserts from the moulding and fit into the feet on the base of the machine.
- 2 Move the machine to its final position. (We suggest a minimum clearance of 20mm each side).
- 3 Adjust the feet so the machine is level and cannot rock.



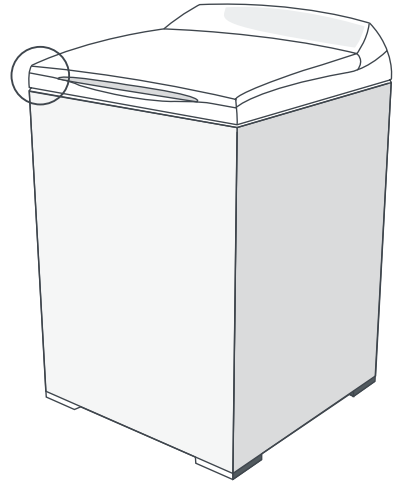
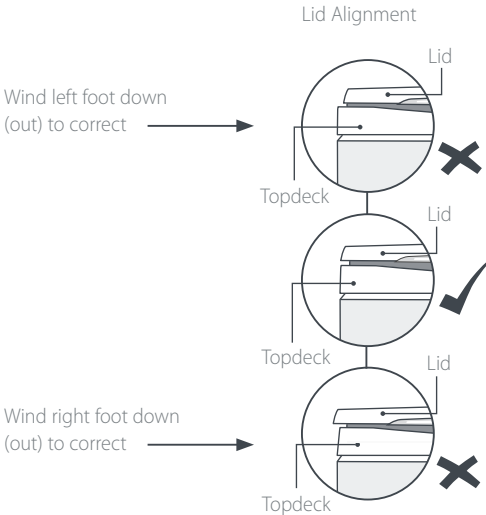
To Check if Your Machine is Level:

Look down on the wash bowl and make sure it sits slightly forward of centre (see diagram).

Close the lid. Visually check that the lid fits evenly on both sides.



To check levelling look down on the wash bowl



If it does not look like the diagram in the middle, adjust one of the front feet slightly until it matches. The diagram on the top and bottom are not correct.

- 4 Turn on the water and check all hose connections for leaks. Make sure there are no kinks in the hose.
- 5 Uncoil power cord and plug into wall socket.

Installation Instructions

Earthing

Earthed Plugs

(Power cord with 3 pin plug)

Plug into a compatible 3 pin wall socket.

Non-Earthed Plugs

(Power cord with 2 pin plug and a separate earth wire)

This appliance **MUST** be earthed using the earth wire attached to the rear of the machine. The exposed end of the earth wire must be in contact with an earth point eg in contact with an earthing bar, metal water pipe.

Improper earthing of this machine can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the machine is properly earthed. (Refer to page 8).

Water Supply

- For best operating conditions your hot water should be approximately 65°C. Your cold water should not exceed 35°C or your hot water exceed 75°C. Temperatures above this may cause the machine to fault or cause damage to the machine.
- If you have an uncontrolled water heating source (eg a wet back or solar heating system) you should fit a Safe Valve. This will ensure the hot water temperature remains within safe limits.

Draining

- Regularly check that your standpipe or tub is free from lint or other obstructions, as this may affect how your machine works.
- In multi-storey apartments or any upper floor, the machine should be installed on a drained floor.
- Draining must comply with local by-laws.

Autowasher Safety

- This autowasher is not intended for use by young children or infirm persons without supervision.
- Connection to the water mains must be with new hoses and the old hoses must be discarded.
- Your *Smart Drive*[™] can be opened while it is filling and agitating, supervise young children to ensure they do not play with it.



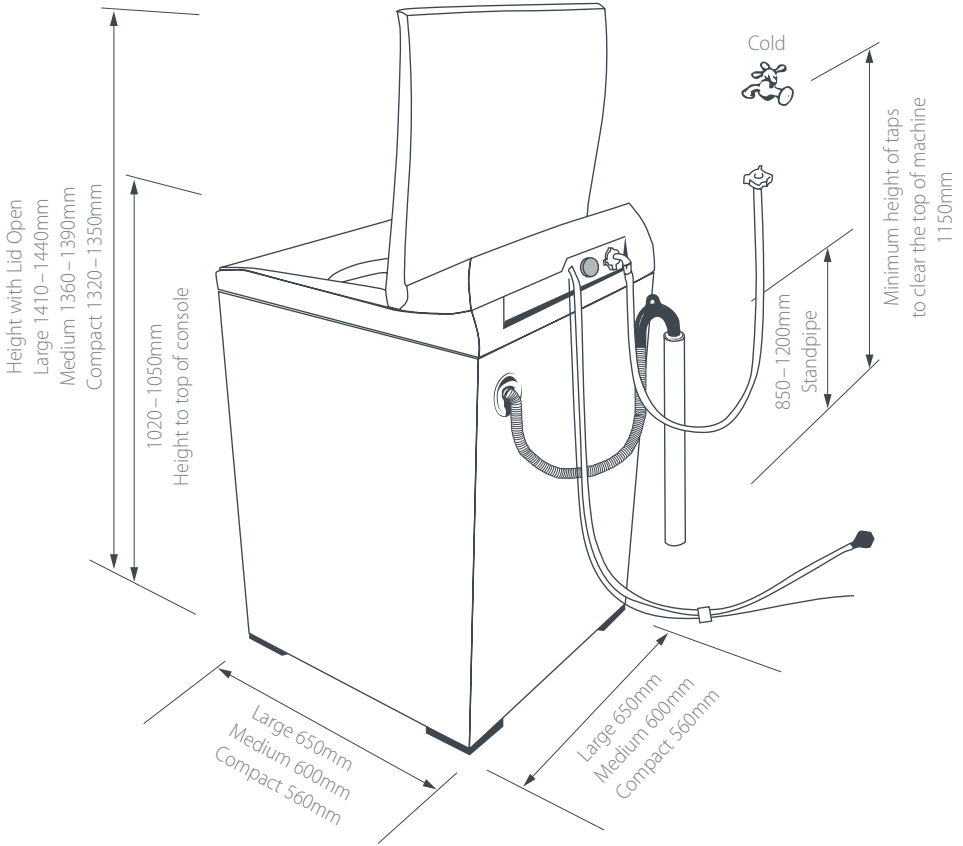
CAUTION!

If you are using an extension cord or a portable electrical outlet device (eg multi-socket outlet box), ensure that it is positioned so that it does not come into contact with water or moisture.

Installation Instructions

Specifications

Inlet water pressure
 Max 1MPa (150 psi)
 Min 34kPa (5 psi)



Water Consumption

Total Water Consumption for the Different Rinse Options

Model	Water Saver (excellence models)	Eco Option	Spray & Deep Rinse	1 Deep Rinse	2 Deep Rinses
GWL12	150 L	105 L	180 L	155 L	205 L
GWM12	130 L	90 L	165 L	140 L	185 L
GWC12	110 L	76.5 L	145 L	120 L	155 L
MWC12	–	76.5 L	145 L	120 L	155 L

(Please note these are approximate figures for High water levels.)

Thank you for buying a Fisher & Paykel *Smart Drive™* washing machine. We are very proud of this washer and trust it will serve you well for many years.

At Fisher & Paykel we aim to provide innovative products that are simple to use, ergonomic and energy efficient. Thousands of tonnes of washing and 70 years of laundry experience have been programmed into your washing machine to help give you the best possible performance.

We hope you enjoy your new washing machine, we have certainly enjoyed designing it.



Before You Do Your First Wash

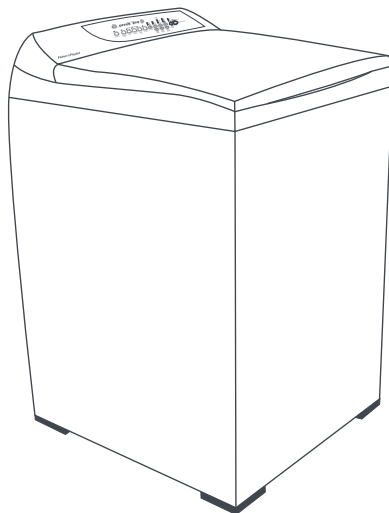
You owe it to yourself and your *Smart Drive™* to have it installed correctly by an authorised service agent.

Before you start, it is a good idea to go through the following checklist:

- 1** Has the basepacker been removed?
- 2** Are all valves either connected to an inlet hose or blanking cap? Is the cold hose connected to the cold valve marked 'C'?
- 3** Is the drain hose threaded through the 'U bend' (with no more than 20mm extended) and on to your standpipe?
- 4** Are the rubber inserts secured into the feet on the base of your machine and is the machine levelled?

Refer to Installation Instructions, page 4.

If you have bought a Pride model it is a good idea to check the warm fill temperature. (Refer to page 28).

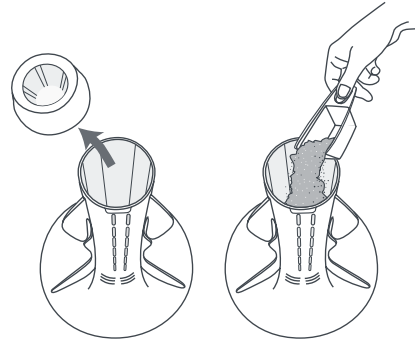


Using Your Excellence Washer

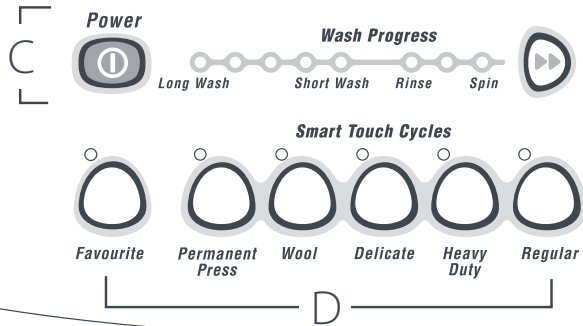
- Remove fabric softener dispenser.
- Place the load evenly around the agitator. (Refer to Sorting and Loading page 23).

A. Detergent

- Use the mark on the agitator, nearest to the top of the clothes, as a guide to the correct amount of detergent to use.
- Pour the detergent down the centre of the agitator stem. Replace the fabric softener dispenser (this stops small articles falling down the centre of the agitator). (Refer to Detergent page 24).

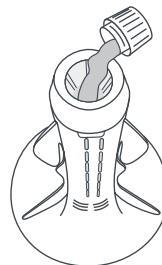


excellence



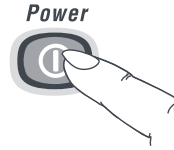
B. Fabric Softener

- If you wish to use fabric softener, place it in the dispenser on the top of the agitator.
- Fabric softener must not be used if you have selected the Water Saver or Eco option. (Refer to Fabric Softener page 25).



C. Power Button

- Press **POWER** to turn the machine on.

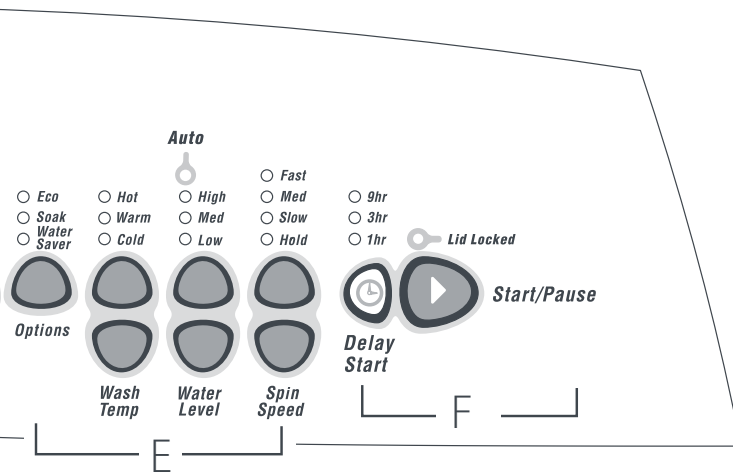


D. Select Wash Cycle

- Press the desired wash cycle button.

E. Wash Options

- Select the **WASH TEMPERATURE** and other wash options.



F. Start

- Press **START/PAUSE** to start the machine.

If You Wish to Stop Your *Smart Drive™* During the Cycle

- Press **START/PAUSE**
- If it is during spray rinse or spin there is a slight delay while the bowl is coasted to a stop and the lid is unlocked.

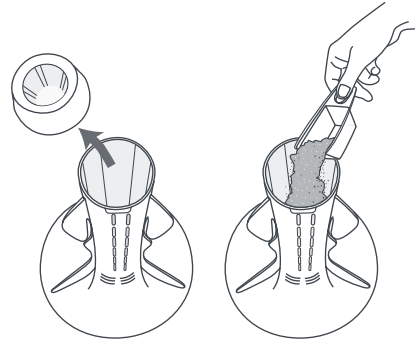
For best fabric and colour care remove your clothes as soon as the cycle has finished.

Using Your Pride Washer

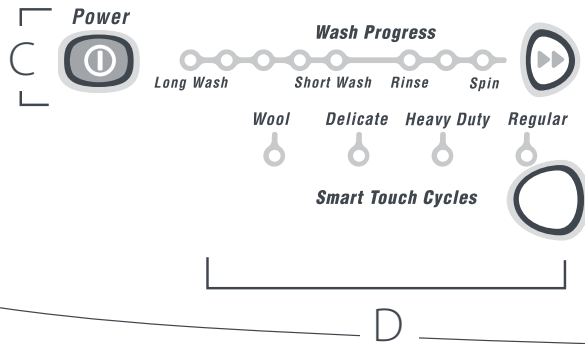
- Remove fabric softener dispenser.
- Place the load evenly around the agitator. (Refer to Sorting and Loading page 23).

A. Detergent

- Use the mark on the agitator, nearest to the top of the clothes, as a guide to the correct amount of detergent to use.
- Pour the detergent down the centre of the agitator stem. Replace the fabric softener dispenser (this stops small articles falling down the centre of the agitator). (Refer to Detergent page 24).

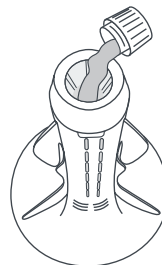


P R I D E



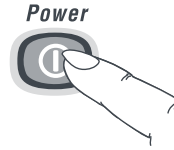
B. Fabric Softener

- If you wish to use fabric softener, place it in the dispenser on the top of the agitator.
- Fabric softener must not be used if you have selected the Eco option. (Refer to Fabric Softener page 25).



C. Power Button

- Press **POWER** to turn the machine on.

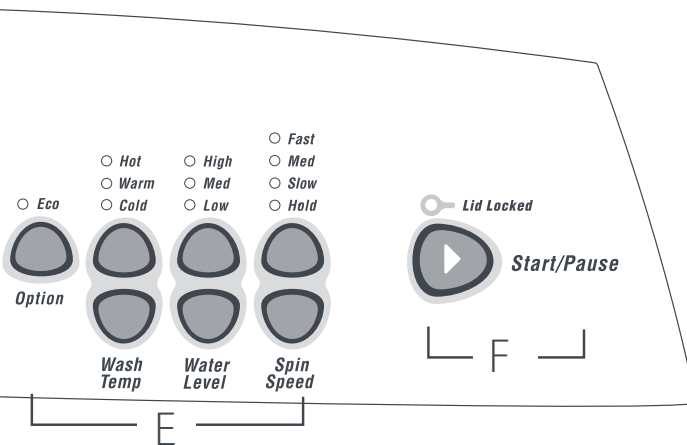


D. Select Wash Cycle

- Select the cycle you want by pressing the Cycle Button located below the Regular option. Scroll through the cycles until the one you want is lit.

E. Wash Options

- Select the **WASH TEMPERATURE** and other wash options.



F. Start

- Press **START/PAUSE** to start the machine.

If You Wish to Stop Your *Smart Drive™* During the Cycle

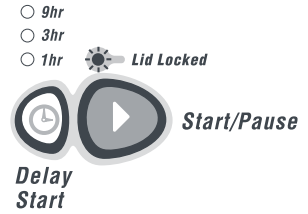
- Press **START/PAUSE**
- If it is during spray rinse or spin there is a slight delay while the bowl is coasted to a stop and the lid is unlocked.

For best fabric and colour care remove your clothes as soon as the cycle has finished.

Lidlock

Your *Smart Drive*™ has a lidlock, which locks when your machine is spinning. This ensures the lid cannot be opened during hazardous parts of the cycle, providing added safety for you and your family.

The lidlock light (above the **START/PAUSE** button) comes on when the lid is locked to tell you when you cannot open the lid. In short it means you can open the lid while your *Smart Drive*™ is filling, agitating, and draining, but not while it is spinning.



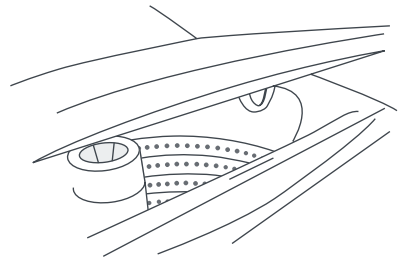
- When the Lidlock light is on, the lid is locked.
- When the Lidlock light is off, the lid is not locked and the lid can be opened.
- If the Lidlock light is flashing the Lidlock is in the process of locking or unlocking, (i.e. while the machine coasts down or **START/PAUSE** has been pressed). During this stage the lid still cannot be lifted.

If the lid is left open, the machine will be unable to lock and the cycle will be halted. The machine will play a tune and the lidlock light will flash until the lid is closed and **START/PAUSE** is pressed.

The lidlock remains unlocked for the majority of the cycle allowing you to add clothes, dissolve detergent or to add fabric softener (if you do not want to use the Automatic Fabric Softener Dispenser).

The chart below shows the stages when the lid is locked.

Fill	Unlocked
Agitate	Unlocked
Spray Rinse	Locked
Deep Rinse	Unlocked
Spin	Locked



Keep children away from the machine, especially when you are using hot water, as the lid can be opened during fill and agitate.

DO NOT put anything down the slot in the top deck of your machine.
DO NOT try to disable the lidlock.

	Regular	Heavy duty	Delicate	Permanent Press	Wool
Wash Time	12 min	15 min	6 min	9 min	6 min
Wash Action	Regular	Heavy Duty	Delicate	Regular	Delicate
Wash Temp	Cold	Cold	Cold	Cold	Cold
Rinse	Spray & Deep Rinse	Spray & Deep Rinse	2 Deep Rinses	2 Deep Rinses	Spray & Deep Rinse
Spin Speed	Fast	Fast	Slow	Slow	Medium
Spin Time	6 min	6 min	4 min	3 min	6 min
Cycle Times*					
Large	45	48	42	43	37
Medium	42	45	37	38	35
Compact	41	44	35	36	35

*Approximate times (minutes) for a high water level load on **EXCELLENCE** models.

Cycle times are dependent on your household water pressure.

Model Variations

EXCELLENCE models - Fully featured, with all 5 wash cycles and a favourite cycle.

PRIDE models - Regular, Heavy Duty, Delicate and Wool cycles.

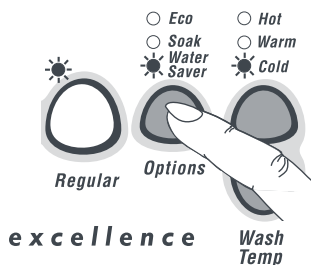
- **Regular** cycle (with the Eco option) has been designed for normally soiled, everyday washing eg sheets, towels, T-shirts.
- **Heavy Duty** cycle is for heavily soiled durable garments eg overalls, jeans, tea towels.
- **Delicate** cycle uses a slow, gentle agitation designed to care for your most delicate garments eg lingerie, blouses.
- **Permanent Press** cycle is for garments that crease easily eg business shirts.
- **Wool** cycle is for machine washable woollens.

Wash Options and Advancing the Cycle

To Select the Wash Options

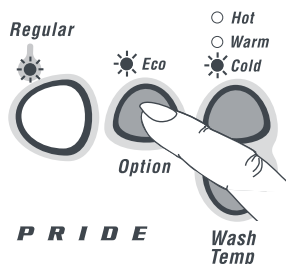
excellence Model

- 1 Select the wash cycle, temperature, water level and spin speed. (Refer to Page 11).
- 2 Press the **OPTIONS** button if you want to choose Eco, Soak or Water Saver. (Refer to pages 18 and 19).
- 3 Press **START/PAUSE**.



PRIDE Model

- 1 Select the wash cycle, temperature, water level and spin speed. (Refer to Page 13).
- 2 If you wish to save water press the Eco button.
- 3 Press **START/PAUSE**.



The Wash Progress Lights

The Wash Progress lights show all the tasks your *Smart Drive™* will do during the wash cycle. As each task is completed a light goes out, so you can tell at a glance how far the cycle has to go.

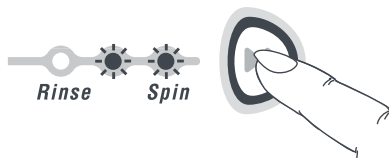
Note:

Two lights are used to show warm-hot and warm-cold wash temperatures.



To Advance the Wash Cycle

- 1 Press **POWER**.
- 2 Press the button with the "two arrows" repeatedly to advance the cycle, to the desired position.
- 3 Press **START/PAUSE**.



Note:

Each wash progress light equals 3 minutes of agitation. The Eco option wash progress lights may in some cases wash for longer. This is dependent on the water level.

Clothes Care Safeguards

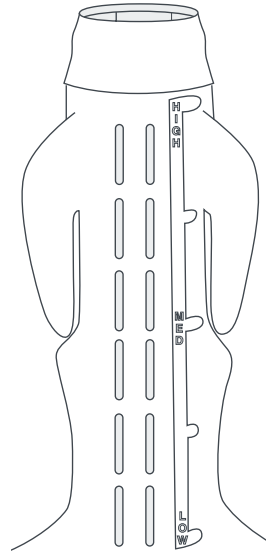
To avoid accidentally damaging your clothes there are a few options that your *Smart Drive™* will not accept. For example, you cannot select a hot wash on Delicate, Permanent Press or Wool cycles.

Water Levels

Manual Water Level Selection

The agitator has 5 levels marked on its stem that can be used to help you select the correct water level. Select the correct water level by using the mark nearest to the top of the load.

- The levels marked on the agitator do not correspond exactly to the level of the water. They indicate the level of dry clothes suitable for the water level.
- Your *Smart Drive™* may occasionally add water during agitation. This is to maintain the water level due to the release of air trapped in the garments.
- Out of balance loads, tangling or splash-over can be caused by selecting a water level that is too high.
- The medium/high and medium/low settings are available on the Excellence models only.



Auto Water Level

excellence Model Only

Your *Smart Drive™* can automatically select the appropriate water level for the load.

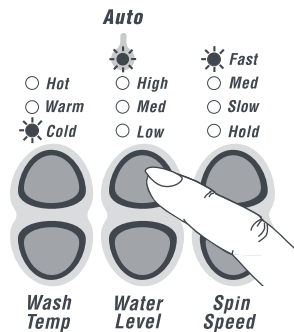
- 1 Place your clothes in the machine.
- 2 Select the wash cycle (Select **AUTO** if not automatically selected).
- 3 Press **START/PAUSE**.

During fill the machine will pause occasionally to sense the water level. The machine will check if the water level is correct by using a series of 2 different agitate strokes. A slow stroke to sense the load and an agitate stroke to mix the load. (This may take over a minute.) If it detects that the water level is not high enough, it will fill with more water and re-check the level.

- When washing an unusual load, eg large bulky garments or pillows, we recommend you manually select the water level and select the Delicate cycle.
- Manually select the water level if there is already water in the bowl.

Note:

If you feel the Auto Water Level does not fill to the correct level, you can adjust the level the machine selects. (Refer to Changing Pre-set options page 26 – 29).



Wash Options – Saving Water

Eco

excellence & PRIDE Models

Press the Eco option to save large amounts of water. The Eco option uses an Eco Spray rinse which has been specially designed to use 25% less water than the Water Saver option. Use this option when you want to use less detergent and less water. **If you have low water pressure or sensitive skin it is better to use the Water Saver option (Excellence model only).**

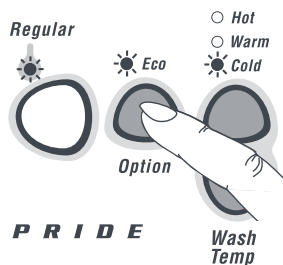


The Eco option has not been designed to be used with fabric softener as it does not have a second deep rinse to dispense the softener correctly.

Water Saver

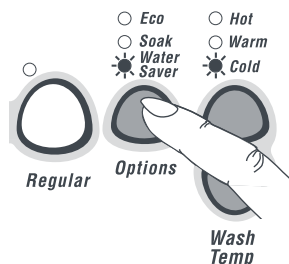
excellence Model Only

Our Excellence model provides an excellent opportunity to save on water. Use the Water Saver option when you want to minimise the amount of water used during a Regular or Heavy Duty wash cycle.



Press the Water Saver option to change the rinse from a Spray & Deep rinse to a Shower rinse. A Shower rinse alternatively showers the clothes with water and spins them to remove the sudsy water. (If you wish to save even more water select the Eco option).

The Water Saver option has not been designed to be used with fabric softener as it does not have a second deep rinse to dispense the softener correctly.



Note:

Water Saver and Eco options are only available on the Regular and Heavy Duty cycles. If you try to select these options on the Wool, Delicate or Permanent Press cycle, your *Smart Drive™* will skip over the option. Water Saver and Eco will take slightly longer than a Spray & Deep rinse.

There are some wash loads that may not suit being washed using either the 'Eco' or 'Water Saver' options. For instance, loads that have a lot of sand or sawdust in them or garments where the colour still runs from them.

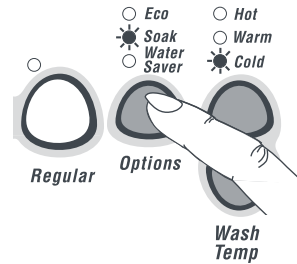
Wash Options

Soak

excellence Model Only

Use the Soak option to soak clothes at the end of the wash phase or when you wish to re-use the wash water.

When you select Soak your *Smart Drive™* will soak for a period of 1 hour before completing rinse and spin. During soak your *Smart Drive™* will agitate for a few seconds every minute.



Nappy Sanitisers/ Bleach

Nappy sanitisers and bleach are very corrosive to metal surfaces. **DO NOT use your *Smart Drive™* to soak items in bleach or sanitiser, or tip the contents of the nappy bucket into your machine.** Rinse and wring items out thoroughly before placing them in your machine.

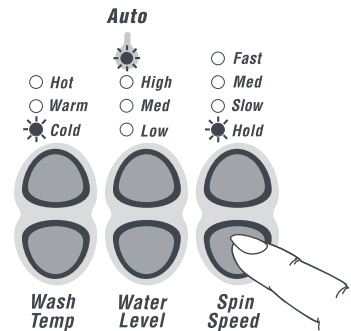
Spin Hold

Use the Spin Hold option to:

- Remove drip dry garments from a mixed load before the wash goes into spin.
- Minimise the clothes creasing when they are left to sit in the bottom of the bowl at the end of the cycle.

When you have selected Spin Hold, your *Smart Drive™* will pause at the end of rinse, beep and the spin light will flash to tell you that it is waiting for another instruction.

Press **START/PAUSE** to begin the spin.



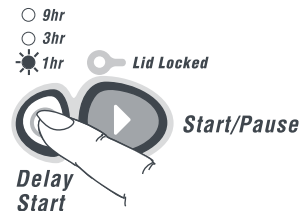
Delay Start

excellence Model Only

Delay Start will delay the start of the wash cycle for 1, 3 or 9 hours.

Press **DELAY START** once for a delay of 1 hour. Press again for 3 hours, a third time for 9 hours (and again to return to normal).

- Once you press Delay Start your *Smart Drive™* will begin the delay period, you do not have to press **START/PAUSE**.
- Be careful if using Delay Start for non-colourfast clothes as dyes may run if the clothes are damp.
- Your *Smart Drive™* will not beep at the end of the cycle if Delay Start is selected.



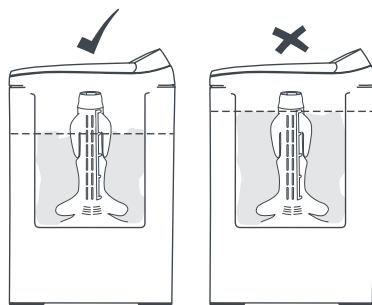
Wash Options

Washing Bulky Items

Forcing large items into the machine may result in them being damaged during washing. Make sure there is enough room in the machine for items to move when being washed.

Some items float up during the wash, (eg duvets/ doonas and pillows). If they sit too high they may touch stationary parts of the machine during agitate or spin. To minimize the chance of this happening, **bulky items should be pushed down below the water level after fill and pushed to sit below the medium high water level mark on the agitator before spinning.** Select a slow spin.

To prevent an out of balance load or splashover we recommend washing these items on the Delicate cycle. If you wish to re-spin the load at a faster speed make sure the load is sitting below the medium-high mark before spinning.

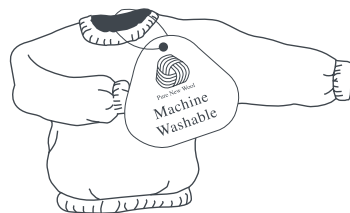


Bulky items should sit below the medium high water level mark.

Washing Woollens

The Wool Cycle has been approved by the New Zealand Wool Board and the Australian Wool Corporation for Woolmark products carrying a MACHINE WASHABLE care claim. The fibres of these woollens have been treated to prevent felting when they are machine washed. Most handknitted garments are not made of machine washable wool and we recommend that you wash them by hand.

- Check the care label.
- Use a wool detergent.
- Use the Wool cycle.
- Hand washed woollens may be spun in your *Smart Drive™*.
- To dry woollens lie them flat on a towel and pat into shape. Dry out of direct sunlight.
- Some wool underlays and sheepskin products can be washed in a washing machine but may produce excessive amounts of lint that may cause pump blockages.



Favourite Cycle

Favourite Cycle

e x c e l l e n c e Model Only

Favourite cycle lets you design the wash cycle. It can be any wash cycle with any of its wash options and it can start from any point in the cycle. For instance, it may be a cycle to wash your gym gear or it may be a rinse and spin to finish washing the nappies.

To Set Your Favourite Cycle

- 1 Press Power.
- 2 Press the **FAVOURITE** cycle button. Hold down for 2 seconds.
- 3 You will hear 2 quick beeps and the Favourite light will flash.
- 4 Select your favourite cycle, (eg Regular, Delicate).
- 5 Select the wash options, (eg cold wash, soak). Use **ADVANCE** if you want part of a cycle, (eg to rinse nappies).
- 6 Press **FAVOURITE** again to store your favourite cycle.

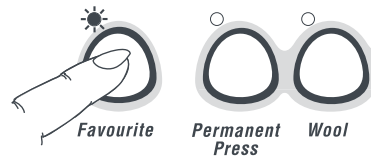
To change your favourite cycle simply repeat these steps.

Note:

Your *Smart Drive™* will remember your favourite cycle even when it is turned off at the wall. It is not possible to program a delayed start into the Favourite cycle.

To Use Favourite Cycle

- 1 Press **POWER**.
- 2 Press **FAVOURITE**.
(Your favourite cycle and wash options will be automatically selected).
- 3 Press **START/PAUSE**.



Customising the Wash Cycles

To Customise A Wash Cycle

e x c e l l e n c e Model Only

You can program your *Smart Drive*[™] to remember the wash options you prefer for each wash cycle. For instance, you may want to set the Regular cycle to a cold wash or set Heavy Duty to include a soak.

- 1 Press **POWER**.
- 2 Press the wash cycle button. Hold down for 2 seconds.
You will hear 2 quick beeps and the wash cycle light will flash.
- 3 Select your wash options, (eg cold wash, soak).
- 4 Press the wash cycle again to store your customised cycle.

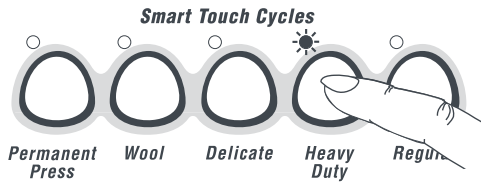
To change your customised wash cycle simply repeat these steps.

When you are customising a wash cycle you can shorten or lengthen the agitation time.

- To shorten the agitation time, press **ADVANCE** to reduce the number of green lights.
- To increase the agitation time keep pressing **ADVANCE** until all the green lights are on.

Note:

Unlike the Favourite cycle you cannot customise a wash cycle to start at the rinse or spin stage. On Heavy Duty and Wool you can only decrease the wash time.



Before You Wash

Sorting

To get the best wash results it pays to sort your clothes before washing.

Care Labels

The care label will tell you about the fabric of the garment and how it should be washed.

Soil

Sort clothes according to the type and amount of soil. Some soils suit warmer washes eg oily soils, while others are best washed in cold water eg mud, blood.

Colour

Sort white fabrics from coloured fabrics.

Lint

Wash lint givers and lint collectors separately. Where possible, turn lint collectors inside out.

Loading

Check Pockets.

Loose items can damage both your *Smart Drive™* and your clothes.

Close Zippers, Hooks and Eyes.

This is to make sure that these items do not snag on other clothes.

Mend Any Torn Garments or Loose Buttons.

Tears or holes may become larger during washing. Remove any loose bra wires as they can damage your washing machine and/or dryer.

Pretreat Any Stains.

Make Sure the Water Level Suits the Load Size.

- Select the correct water level by using the mark on the agitator nearest to the top of the load.
- Ensure that the load does not extend above the fabric softener dispenser as splashing may occur.

For a Balanced Load

- Place unfolded clothes firmly and evenly around the agitator.
- Do not wrap large items, such as sheets, around the agitator.
- A mixture of small and large items will wash the best.

	Machine Washable Warm 40°C max Warm Rinse Well Normal Spin
	Do not bleach
	Do not tumble dry Dry in shade
	Warm iron
	Dry Cleanable

Examples of Different Care Label Symbols.

Lint Givers	Lint Collectors
Towels	Synthetics
Chenille	Corduroy
Nappies	Poly cotton
	Socks

Detergent

Choosing the Right Detergent

We recommend using domestic detergents, (powder, liquid, concentrate or tablets). Soap flakes or granulated soap powders should not be used in your *Smart Drive™* eg Lux Soap Flakes. When washing woollens remember to use a recommended wool detergent.

How Much Detergent?

Use the instructions on the back of the detergent packet as a guide to the correct amount of detergent to use. The correct amount of detergent will vary depending on the amount of soil in your clothes and the size of your load. Jeans and work clothes may need more detergent, while towels usually need less. The larger your machine the more detergent, you may have to add.

To check you are using the right amount of detergent, lift the lid of your machine about half-way through the wash. There should be a thin layer of foam over the surface of the water. Lots of foam may look good, but it does not contribute to cleaning your clothes. No foam means not enough detergent has been used; soil and lint can settle back on the clothes or the washing machine.

Adding the Detergent

Tablets:

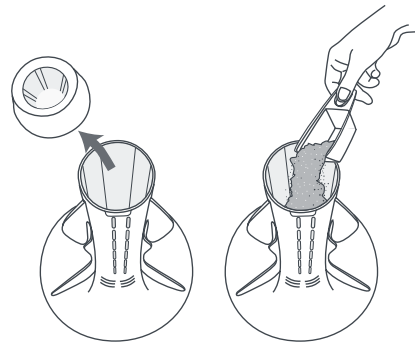
Place the required number of tablets down the centre of the agitator.

(**DO NOT** use the bag provided with the tablet products).

For low water level loads (i.e. washing 2 or 3 garments) do not place tablet down the agitator. Instead place directly into the machine before adding your clothes.

Liquid or Powdered Detergents:

- 1 Remove fabric softener dispenser.
- 2 Pour liquid or powdered detergent down the centre of the agitator.
 - Some detergents **MUST** be fully dissolved before adding to your machine to get the best wash results. Check the instructions on the detergent packet.
 - Pre-dissolving the detergent when washing in cold water can improve its performance.
- 3 Replace fabric softener dispenser. (This prevents small articles falling down the centre of the agitator).



Fabric Softener

How the Fabric Softener is Dispensed

The fabric softener goes into the dispenser on the top of the agitator. During the rinse the machine spins to release the fabric softener, delivering it down the agitator stem as the machine fills for the final deep rinse.

Note:

Water Saver and Eco are not designed to be used with fabric softener. They do not use a deep rinse so the machine cannot dispense fabric softener correctly.

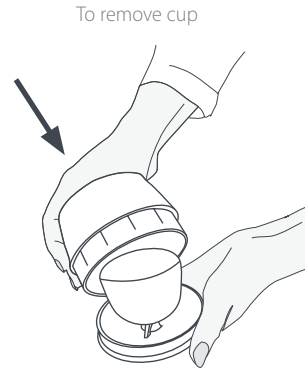
How Much Fabric Softener?

The ring on the dispenser cup is a guide for the amount of fabric softener to add for a full load. Smaller loads require less fabric softener.

Cleaning the Dispenser

When using fabric softener, rinse your dispenser at the end of each wash.

- 1 Separate the cup from the dispenser body by pushing downward on the base of the cup.
- 2 Rinse both parts of the dispenser using warm soapy water.



Push cup through
dispenser with thumb

Scrud

Scrud is the name given to the waxy build-up that can occur within any washer when the fabric softener comes into contact with detergent. This build-up is not brought about by a fault in the machine. If scrud is allowed to build-up in the machine it can result in stains on your clothes or an unpleasant smell in your washer.

If you wish to use fabric softener we recommend:

- Using fabric softener sparingly.
- When filling the dispenser, do not splash or overfill.
- Clean dispenser as soon as the cycle has finished.
- Clean your machine regularly (refer page 31).
- Cold water washing increases the chance of this build-up occurring. We recommend a warm or hot wash at regular intervals eg approx. every 5th wash.
- Fabric softener of a thinner consistency is less likely to leave residue on the dispenser and contribute to a build-up.

Changing Pre-set Options

Option Adjustment Mode

After using your *Smart Drive*™ you may want to fine tune some of the options to suit your wash needs.

There are a number of preset options, which can be altered.

In the **EXCELLENCE** Model the following pre-set options can be changed:

- the wash temperatures.
- the rinse option on Heavy Duty, Regular and Wool cycles.
- the cold wash to Controlled Cold.
- the number of beeps at the end of the cycle.
- the amount of water used in the Water Saver option.
- the fill level selected by Auto Water Level.
- the Out of Balance recovery routine.

In the **PRIDE** Model the following pre-set options can be changed:

- the warm wash temperature.
- the rinse option on Heavy Duty, Regular and Wool cycles.
- the Out of Balance recovery routine.

To Enter Option Adjustment Mode

- 1 Turn machine on at the wall but do not press **POWER**. Press **START/PAUSE** and hold down, then press **POWER**.

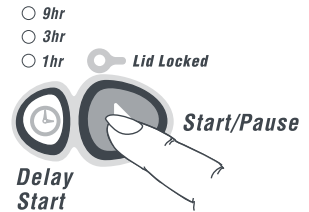
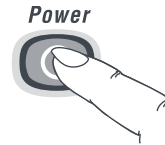
You will hear two quick beeps and the machine will show an unusual pattern of lights.

In this mode the lights are used to indicate the different options available.

The diagram on page 27 shows how the lights relate to the options you can change.

Pages 28 – 30 explain the different options in more detail.

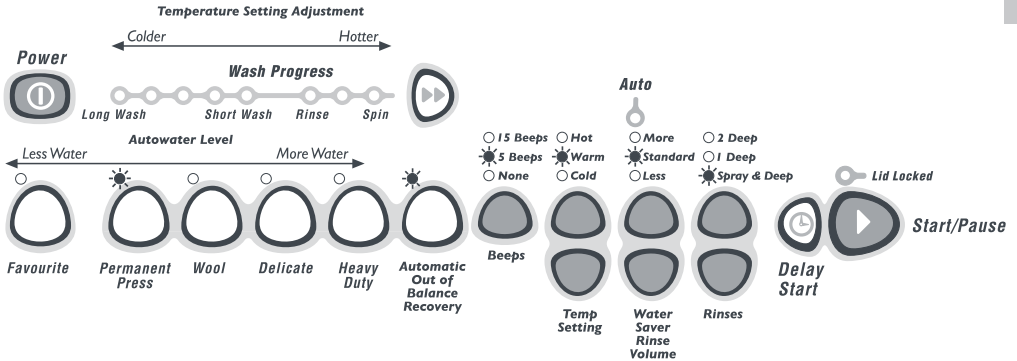
- 2 Use the buttons on the panel to make your changes to the pre-set options.
- 3 Press **POWER** to return to normal mode.
- 4 Your *Smart Drive*™ will automatically remember your changes.



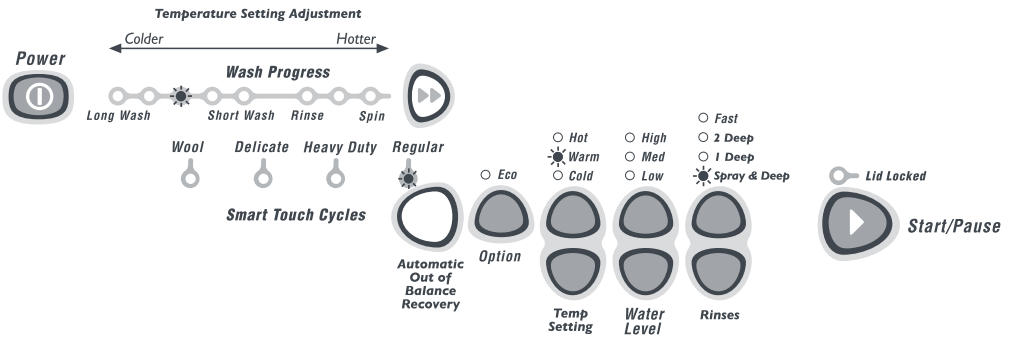
Changing Pre-set Options

- 1 Press **START/PAUSE** and hold down. Press **POWER**.
- 2 The diagram below shows how the lights relate to the options you can change. It also shows what lights will be on when you first enter the Option Adjustment Mode.

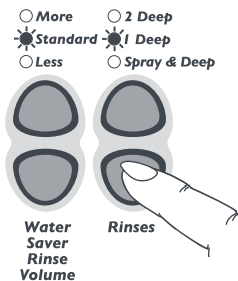
Use this diagram to help you adjust the options on the **excellence** model.



Use this diagram to help you adjust the options on the **PRIDE** model.



- 3 Use the buttons on the panel to change the pre-set options.



Changing Pre-set Options

Wash Temperatures

On the **PRIDE** models the warm temperature can be adjusted if you think it is too hot or too cold.

Note:

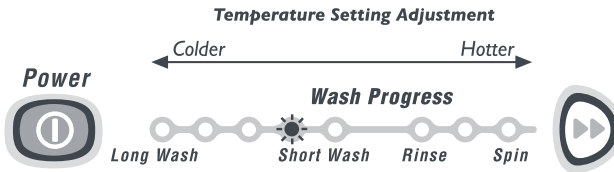
On these models the hot temperature will be the same as the hot water supply temperature.

On the **EXCELLENCE** models all wash temperatures can be individually adjusted.

- 1 Select the **WASH TEMPERATURE** you want to adjust.
- 2 The wash progress lights show the temperature adjustment possible for that temperature.
 - Pressing the **ADVANCE** will cause the wash progress light that is on to change.
 - Advancing the Wash Progress light will increase the wash temperature. If you keep pressing the **ADVANCE**, the light will scroll back to the coldest setting available for that wash temperature.

Note:

If you have a **PRIDE** model and still can't get the temperature you require, advance the progress light (while in the options adjustment mode) across to spin and manually adjust the flow of the taps.



Rinse Options

On the Heavy Duty, Regular and Wool cycles you can change the pre-set rinse option.

The pre-set rinse option on these cycles is a Spray & Deep rinse. The Spray & Deep rinse can be replaced with a double deep rinse, or a single deep rinse.

If you have trouble with impurities in your water it is best to set your washing machine to two deep rinses. If you want to conserve water, change the rinse option to one deep rinse. If you want to conserve even more water, choose either the Eco or Water Saver option.

Rinse Options		
MED spin light on	Deep rinse	Deep rinse
SLOW spin light on	Short spin	Deep rinse
HOLD light on	Spray rinse	Deep rinse

Changing Pre-set Options

Controlled Cold

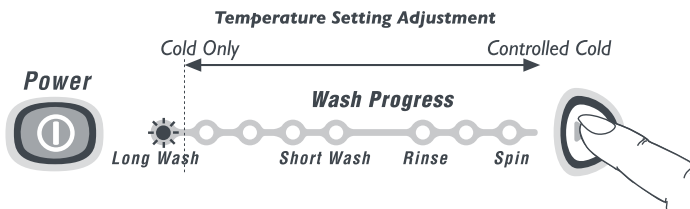
e x c e l l e n c e Model Only

If your cold water temperature is very low you will not get a very effective wash. The controlled cold option solves this problem by adding a small amount of hot water to raise the temperature of the wash. We have called this 'Controlled Cold'.

- 1 Select **COLD** wash temperature.
- 2 The Wash Progress lights show the temperature adjustment possible.
 - When the first progress light is on, the machine will fill with cold water only.
 - Press **ADVANCE** to select the second light and your *Smart Drive*™ will control the temperature to approximately 20°C. Each following light equals approximately a 1°C temperature rise.

Note:

If you always use cold or controlled cold water, we recommend that a warm or hot wash be used regularly, eg. every 5th wash should be at least a warm one.



End of Cycle Beeps

The beeps signalling the end of the cycle can be increased or decreased. Press the options button up to increase beeps or down for no beeps.

Water Saver

e x c e l l e n c e Model Only

You can increase or decrease the volume of water added during the rinse on the water saver option.

Auto Water Fill Level

e x c e l l e n c e Model Only

If you are not satisfied with the level that your *Smart Drive*™ fills to on Auto Water Level, you can increase or decrease the fill level that Auto will select.

Note:

If you feel there is not enough water for the load, we recommend you check by pausing the machine and pushing the clothes down to see how much spare water is at the bottom of the bowl. Clothes often float and your *Smart Drive*™ can sense the water under the clothes.

Light on	Option
FAVOURITE	less water
PERM. PRESS	factory setting
WOOL	more water +
DELICATE	more water ++
HEAVY DUTY	more water +++

Changing Pre-set Options

Out-of-Balance Recovery Routine

When your *Smart Drive™* is spinning it can sense if the wash load is out-of-balance and will stop and re-try spinning up to 3 times. If it still senses an unbalanced load there are two options the machine can take.

Automatic Recovery Option

Your *Smart Drive™* will try to automatically correct the out-of-balance load. It will fill with water and agitate to redistribute the load before trying to spin up again.

Machine stops Option

Your *Smart Drive™* will stop, give a short burst of beeps every 5 seconds, and the **RINSE** or **SPIN** light will flash. You must redistribute the load more evenly yourself. (Use this option if you wish to conserve water).



REGULAR

light on = automatic recovery

Regular



REGULAR

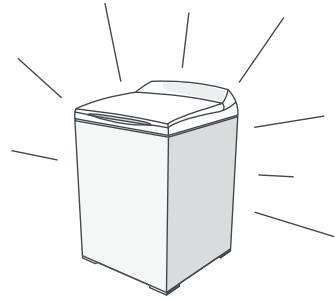
light off = machine stops

Regular

Caring For Your Smart Drive™

When You Have Finished

- Turn off the taps to prevent the chance of flooding should a hose burst.
- Turn off the power at the wall.



Cold Water Washing

If you always use cold water, we recommend that a warm or hot wash be used at regular intervals, eg every 5th wash should be at least a warm one.

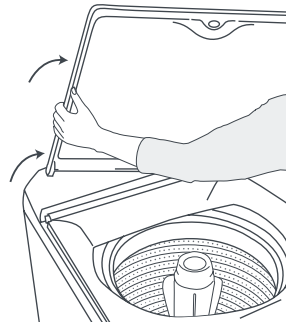
Cleaning Your Smart Drive™

- Clean with a soft damp cloth and wipe dry. **Do not use scouring cleaners as they can damage the paint, plastic and panel surfaces.**
- Clean the fabric softener dispenser after each cycle using warm soapy water.
- You can remove the lid for cleaning. Open the lid fully, hold one side with one hand and gently tap the other side with an upward motion.

To replace the lid, hold the lid vertically and align both hinges before pushing down firmly.

- To remove the agitator for cleaning, unscrew the nut down the centre of the agitator by turning anti-clockwise.

The agitator must be fully pushed on to the shaft when refitting. Tighten the nut firmly by hand. Ensure the agitator is not loose.



Cleaning the Inside of Your Smart Drive™

If you use fabric softener or do regular cold water washing, it is important that you occasionally clean the inside of your machine.

- Fill your machine with hot water. Add about two cups of a powdered detergent that contains phosphate.
- Let it agitate for 10–15 minutes.
- Stop the machine, **open the lid**, and leave it to soak overnight.
- After soaking, drain the machine and run the machine through a regular cycle.

We do not recommend that you wash clothes during this procedure.

Machine Information

Products That Might Damage Your Smart Drive™

- Concentrated bleaches, nappy sanitisers and hydrocarbon solvents (eg petrol and paint thinners) can cause damage to the paintwork and components of your autowasher. (Be careful when washing garments stained with solvents as they are flammable. **DO NOT** put them in your dryer).
- Do not use pre-treatment sprays or liquids on or near your autowasher as they can damage your machine's control panel.
- Use of dyes in your autowasher may cause staining of the plastic components. The dye will not damage the machine but we suggest you thoroughly clean your autowasher afterwards. We do not recommend the use of dye strippers in your autowasher.

Smart Drive™ Sounds and Beeps

Your *Smart Drive™* will make sounds that you will not have heard from other autowashers.

- During drain you will hear the pump in your machine turn off and on quickly about every 10 seconds. This is part of your *Smart Drive™* automatic lint removal system.
- While draining your machine may give several low thuds. Your machine is checking that the water has drained before spinning.
- Your *Smart Drive™* will beep at the end of the cycle and if you have used Spin Hold or Soak.
- If your machine is beeping continuously or giving a musical series of beeps refer to page 33.

Automatic Lint System

Your *Smart Drive™* has a self cleaning lint system. It automatically separates the lint from the wash water, trapping the lint between the inner and outer bowls and flushes it out at the end of the wash.

If Your Smart Drive™ Beeps for Help

Your *Smart Drive*™ is capable of diagnosing its own troubles. If your *Smart Drive*™ gives a musical series of beeps every 5 seconds it is telling you that it has a problem which YOU can solve using the checklist below.

* The beeps are the same sound your autowasher makes when you turn it on at the wall.

Musical Series of Beeps* Every 5 Seconds and... Possible Solutions

HOT water temperature light is flashing.

Hot water supply is not hot enough to maintain the wash temperature you have selected. Select a lower wash temperature.

Inlet hose screens may be blocked.

There may be a kink in the hose (Refer to page 4).

Hot tap has not been turned on.

Inlet hoses connected to the wrong taps.

COLD water temperature light is flashing.

Cold tap has not been turned on.

Inlet hose screens may be blocked.

There may be a kink in the hose. (Refer to page 4).

Inlet hoses connected to the wrong taps.

Cold water temperature exceeds recommended limits. (See Installation Instructions page 6).

The flow rate of the supply water is too slow.

HOT and COLD water temperature lights are flashing.

The taps have not been turned on.

Inlet hose screens may be blocked.

The hoses may be kinked. (Refer to page 4).

The drain hose is too low or the drain hose is pushed into the standpipe too far and the water is siphoning out of the machine. (See Installations Instructions page 5).

The flow rate of the supply water is too slow.

HIGH water level light is flashing.

The machine is overloaded and can not agitate. Ensure the machine is stationary. Remove items until the remaining ones can move freely.

Select a higher water level.

The first RINSE light or SPIN light is flashing.

The machine has a suds build-up. (Too much detergent may have been used for the amount of soil in the load.) Wait for suds to dissolve (about 20min). Rinse clothes using a deep rinse.

If Your Smart Drive™ Beeps for Help

LIDLOCK light is flashing.

Make sure the lid is closed.

Press **START/PAUSE** (refer to page 14).

If the symptom persists call your Fisher & Paykel Dealer or Authorised Service Centre.

First RINSE or SPIN light is flashing as well as the SPIN SPEED light.

Wash load is out of balance. Ensure the machine is stationary. Manually redistribute the load.
Check the machine is level (refer to page 6).

Single Beep Every Second and... Possible Solutions

Some lights are on but the pattern of lights is unfamiliar.

- 1** Turn your machine off at the wall,
- 2** Wait for 60 seconds and turn it back on.
- 3** Check the machine is level (Refer to Page 6).
- 4** Remove load and retry.
- 5** Put through a Deep Rinse and Spin.
- 6** If the fault re-occurs repeat Step 1.

If the machine still will not work call your Fisher & Paykel Dealer or Authorised Service Agent to arrange service.

Pressing POWER does not turn the machine on.

Is the power switched on at the wall?

Switch the power off at the wall and wait 60 seconds before turning the power on again.

Could your household power supply be at fault? Try plugging in another electrical appliance.

Pressing START/PAUSE does not start the fill.

Is the tap turned on?

Is the inlet hose filter blocked?

Is Delay Start on?

Filling continuously.

Check that the machine is not syphoning (refer to page 5 in the Installation Instructions).

Not spinning properly.

Is the load out of balance? (refer pages 17, 20 & 30).

Check the machine is level and does not rock (refer page 6).

It may have suds build-up (refer to rinse light or spin light flashing, page 33).

Spin speed sounds slower than it should.

The clothes are unevenly distributed in the bowl, your *Smart Drive™* has compensated by lowering the spin speed.

Machine is continually going out of balance.

Check the machine is level and does not rock (refer to page 6).

Too much water for load (refer to page 17).

Too much or too little water when filling on Auto water level.

It still may be in the Auto fill mode water (refer to page 17).

Some loads do not suit Auto Water Level eg pillows, bedding, large bulky garments. Manually select the water level.

Auto fill needs adjusting (refer to pages 26, 27 & 29).

Noises.

Banging – load is out of balance (refer pages 17, 20 & 30).

Other noises – refer page 32.

Small puddle of water coming from under the machine.

The water level is too high for the amount of clothes. This has caused excessive splashing. Use a lower water level. (Refer to page 17).

Large bulky, garments (eg pillows, duvets) can cause splashing. (Wash on Delicate cycle) (refer to page 20).

If the problem persists contact your Fisher & Paykel Dealer or Authorised Service Centre.

Wash Problems

Listed below are possible causes and solutions to some common wash problems.

Creasing

Overloading the washer or dryer.

Choose a Permanent Press or Delicate cycle as these cycles have been designed to minimise creasing.

Try selecting a slower spin speed.

Do not leave wet clothes to sit in the washer or laundry basket.

Poor Soil Removal

Warm wash water is too cold (Pride model only). Refer to changing Pre-set options page 28.

Not enough detergent for load size or amount of soil.

White clothes are better washed separately. Separate light and heavily soiled items, as clothes can pick up soil from dirty wash water.

Cold water wash is too cold. (Refer Controlled Cold page 29, Excellence models only).

Select the wash temperature according to soil type. For example, blood and mud are better washed in cold water, while oily soils wash better in warmer water.

Overloading the washer.

Loads made up of articles of varying sizes will wash better (eg full loads of sheets may not wash as well).

Hard water requires more detergent than soft water.

Linting

Wash lint givers eg towels, flannelette sheets, separately from lint collectors eg synthetic fabrics.

Overloading the washer.

Not enough detergent to hold the lint in suspension.

Overdrying in a dryer can cause a build-up of static electricity in synthetic fabrics and cause them to attract lint.

Residue Detergent

Overloading the washer.

Try using less detergent.

Some detergents need to be pre-dissolved, check the detergent instructions.

Cold ambient temperatures and cold washes or short agitation times may not let the detergent dissolve properly. Try pre-dissolving the detergent.

Black or Grey Marks on Clothes

A buildup caused by the interaction of fabric softener and detergent can flake off and mark clothes. (Refer to Scrud page 25).

Insufficient detergent, for the amount of soil on the clothes, can result in grey marks on clothes. (Refer to Detergent page 24).

Dye Transfer

Wash and dry non-colourfast clothes separately.

Non colourfast clothes left sitting in a washer or laundry basket can transfer dye to other clothes.

Tangling

Washing with too much water (ie underloading) can cause the clothes to tangle around one another.

Do not load the washer by wrapping clothes around the agitator.

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