

Order No. PAPTH160201AE  
(Revision : December 2016)

# Service Manual

Simplified

## Fully Automatic Washing Machine



NA-FS16X3  
NA-F150A3  
NA-F130A3

### Product Colour

Stainless Colour (L)  
White (W)

### Destination

UAE (Local/Export),  
Kuwait, Saudi Arabia

Please use this Manual together with the Service Manual Order No. PAPTH141101CE

### ⚠ WARNING

The service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt within this service information by anyone else could result in serious injury or death.

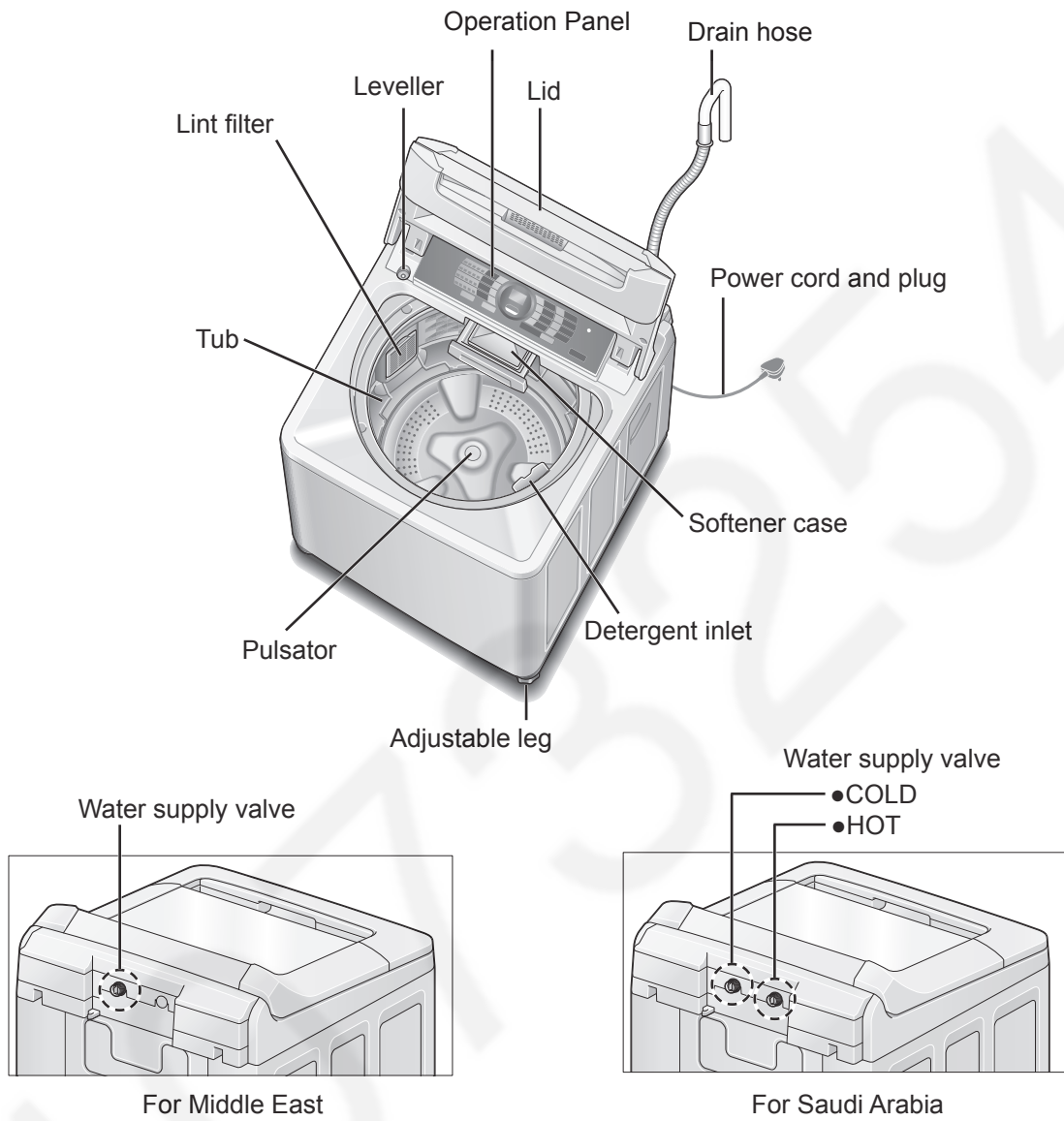
### IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

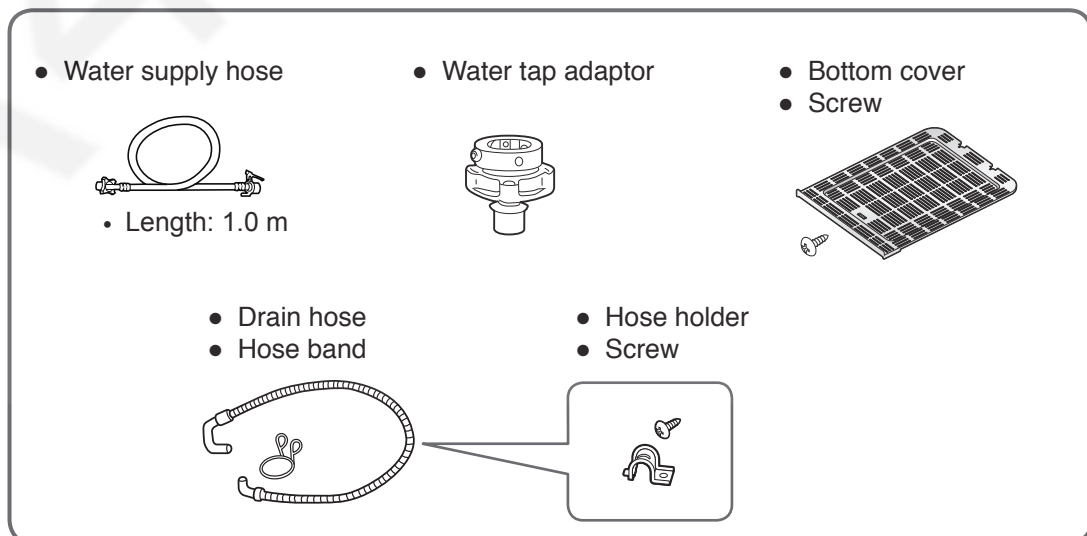
**Panasonic**<sup>®</sup>

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# PARTS IDENTIFICATION



## Accessories



## SPECIFICATIONS

Countries		UAE (Local)	UAE (Export)	KUWAIT	SAUDI ARABIA	
Model		F130A3	F150A3	F150A3	FS16X3	F150A3
Model Code		(WRN)	(SRW)	(WRU)	(SRY)	(WRY)
Model Code		WD15	W9VY	W9VY	W9VW	W9VX
Body	Colour	White	White	White	Stainless	White
	Code	W	W	W	L	W
Power cord unit		S3	S3	S3	S3	
Rate voltage and Frequency		220 ~ 240V	220 ~ 240V/50Hz		220V/60Hz	
Rate Power Consumption	Wash	540 W	540 W	540 W	530 W	470 W
	Spin	310 W	310 W	310 W	200 W	360 W
Power Consumption		170 Wh (220V/50Hz) 180 Wh (240V/50Hz)			150Wh	180Wh
Standard Capacity	Wash	13.0 Kg	15.0 Kg	15.0 Kg	16.0 Kg	15.0 Kg
	Spin	13.0 Kg	15.0 Kg	15.0 Kg	16.0 Kg	15.0 Kg
Standard Consumption	Water	96 Liter	96 Liter	96 Liter	99 Liter	96 Liter
Product Weight	Accessories	48 Kg	48 Kg	48 Kg	49 Kg	48 Kg
	Packing	53 Kg	53 Kg	53 Kg	54 Kg	53 Kg
Outer Dimension (mm.) (WxDxH)	Body	640X680X1074	640X680X1074	640X680X1074	640X680X1074	640X680X1074
	Installation	643X709X1074	643X709X1074	643X709X1074	643X709X1074	643X709X1074
Pulsator with rated load (r.p.m.)		95 r / min				
Spin Tub with rated load (r.p.m.)		630 r / min				
Water Supply Pressure		0.01 to 1 MPa (0.1 to 10 Kgf / cm <sup>2</sup> ) / 1.2 ~ 18 liter / min.				
Motor		Single-phase induction motor 135°C			Three - phase induction motor 135 °C	Single - phase induction motor 135 °C
Safety Switch		Checking Unbalance				
MR sensor		Openlid detection during operation				
Buzzer		Rings when finishing washing or unusual				
Detergent Case Dispenser		Usable				
Fabric Softener Dispenser		Usable				
Filter Unit		Usable				
Child Safety		Usable				
Auto Restart		Usable				
Auto Power Off		Usable				

# TECHNICAL INFORMATION

## Standard Wash Capacity

PROGRAM	MAXIMUM CAPACITY		
	NA-F130A3	NA-F150A3	NA-FS16X3
NORMAL	13.0 kg	15.0 kg	16.0 kg
ENERGY SAVE (SPEEDY)	13.0 kg	15.0 kg	16.0 kg
WATER SAVE	13.0 kg	15.0 kg	16.0 kg
BABY-CARE (FOR MID-EAST)	13.0 kg	15.0 kg	-
FRAGRANCE	13.0 kg	15.0 kg	16.0 kg
COMFORTER	4.2 kg	4.2 kg	4.2 kg
POWER WASH + SOAK	13.0 kg	15.0 kg	16.0 kg
TUB HYGIENE	-	-	-
GENTLE HAND WASH	2.5 kg	2.5 kg	2.5 kg
AIR DRY	3.0 kg	3.0 kg	3.0 kg

Note : -Normal course and Water Save course are recommended for a normally soiled load at the rated capacity of this washing machine.

## Standard Water Supply : Middle East

### FOR NA-F150A3, NA-F130A3

PROGRAM	TOTAL TIME (APPROX.)	WASH	RINSE	SPIN
NORMAL	60 min	12 min	Refill 2 times	5 min
ENERGY SAVE (SPEEDY)	55 min	9 min	Refill 2 times	5 min
WATER SAVE	80 min	12 min	3 times	5 min
BABY-CARE	75 min	12 min	Refill 2 times	7 min
FRAGRANCE	85 min	12 min	2 times	5 min
BLANKET	75 min	12 min	Refill 2 times	3 min
POWER WASH + SOAK	120 min	(Soak 60min)+12 min	Refill 2 times	5 min
GENTLE HAND WASH	45 min	12 min	Refill 2 times	1 min
TUB HYGIENE	150 min	(Soak 60min)+12 min	Refill 2 times	7 min

## Standard Water Supply : Saudi Arabia

### FOR NA-FS16X3

PROGRAM	TOTAL TIME (APPROX.)	WASH	RINSE	SPIN
NORMAL	60 min	12 min	Refill 2 times	5 min
ENERGY SAVE (SPEEDY)	55 min	9 min	Refill 2 times	5 min
GENTLE HAND WASH	45 min	12 min	Refill 2 times	1 min
FRAGRANCE	85 min	12 min	2 times	5 min
BLANKET	80 min	12 min	Refill 2 times	3 min
POWER WASH + SOAK	130 min	(Soak 70min)+12 min	Refill 2 times	5 min
WATER SAVE	80 min	12 min	3 times	5 min
TUB HYGIENE	150 min	(Soak 60min)+12 min	Refill 2 times	7 min

### FOR NA-FS16X3

PROGRAM	TOTAL TIME (APPROX.)	WASH	RINSE	SPIN
NORMAL	60 min	12 min	Refill 2 times	5 min
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BLANKET	75 min	12 min	Refill 2 times	3 min
POWER WASH + SOAK	130 min	(Soak 70min)+12 min	Refill 2 times	5 min
WATER SAVE	80 min	12 min	3 times	5 min
TUB HYGIENE	150 min	(Soak 60min)+12 min	Refill 2 times	7 min

Note : -Total time is approximate (When the standard water supply rate is 15 L / min).

-Total time may increase depending on low water pressure, bad draining conditions, and the amount and type of clothes.

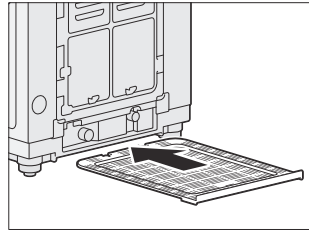
# INSTALLATION

## 1. Check the location.

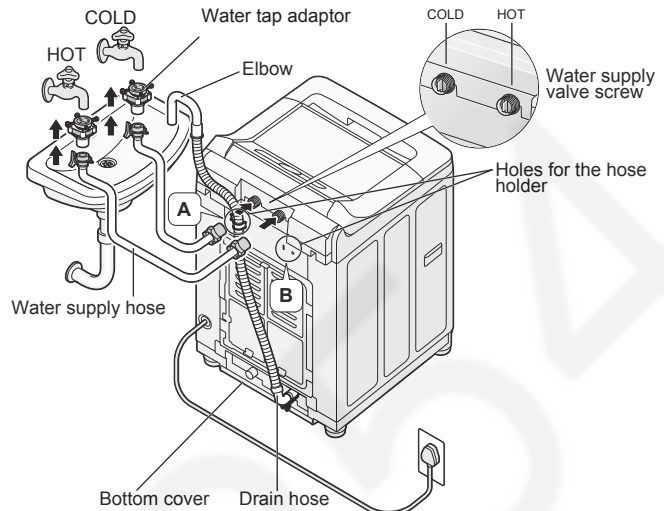
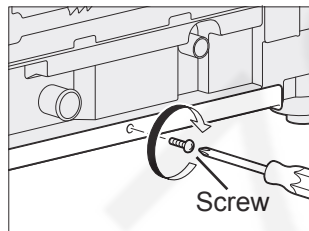
- Avoid the following locations for installation.
  - Locations with a possibility of freezing
  - Damp locations or locations where it may be exposed to rain, etc. (To prevent electric shock or fire)
  - Locations exposed to direct sunlight (To prevent malfunction or deformation)
  - Uneven or unstable locations (on blocks, timbers, a table with wheels, etc.)

## 2. Attach the bottom cover.

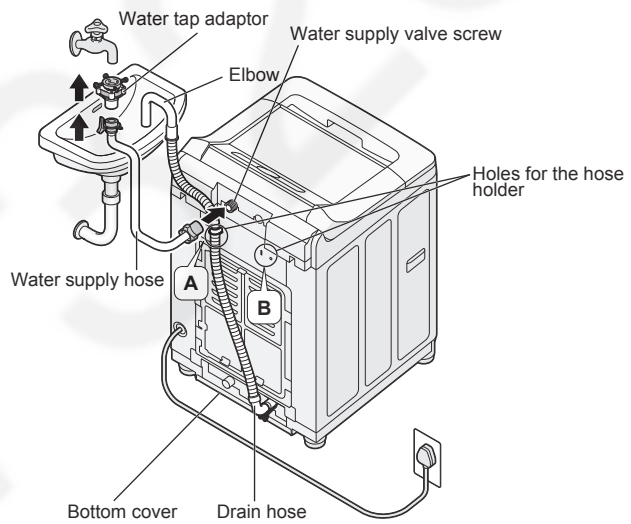
Insert the bottom cover along the guides.



Fix with 2 screws.



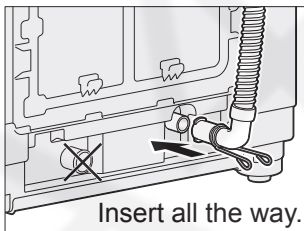
Saudi Arabia Model



Middle East Model

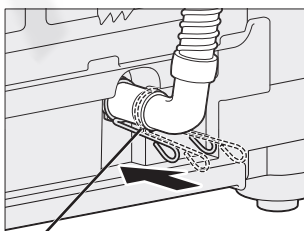
## 3. Attach the external drain water hose.

Connect.



Slide the hose band in the arrow direction.

- Slide all the way until it stops.



Hose band

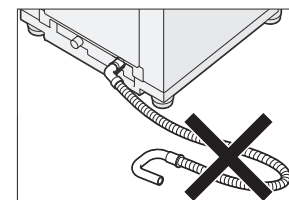
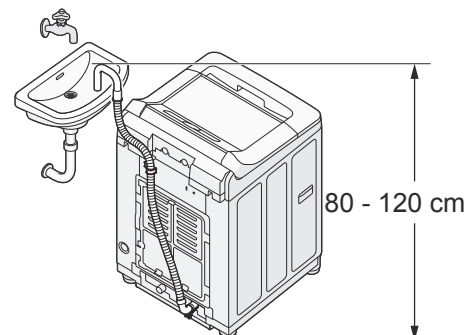
Hook the elbow of the drain hose to the basin.

**CAUTION**

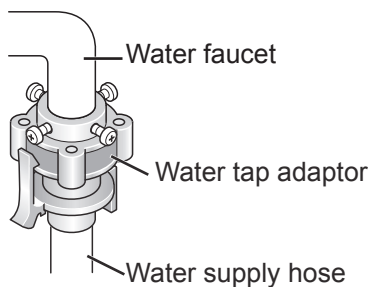
Make sure the drain hose is securely hooked so that it does not come off by water pressure during drainage.

**NOTE**

- Do not twist, pull out or bend the drain hose.
- Do not put the hose tip under water.
- Do not direct the drain hose downwards.



#### 4. Connect the water tap adaptor and water supply hose.

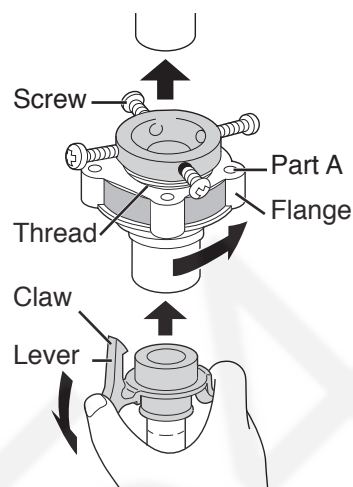


**CAUTION**

- Tighten the nut firmly.
- Do not twist, squash, modify or cut the hose.

#### Connect the water tap adaptor to the water faucet.

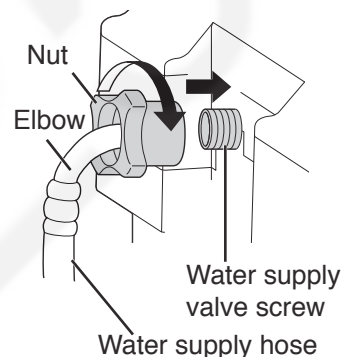
- 1 Turn part A to the left until approx. 4 mm of the thread becomes visible.
- 2 Loosen the 4 screws.
- 3 Connect to the faucet and tighten the screws.
- 4 Turn part A to the right and tighten securely. (To prevent water leakage)



#### Connect the water supply hose to the water tap adaptor.

Insert the hose into the adaptor while pushing down the lever, and hook the claw of the lever on the flange of the adaptor.

#### For Middle East

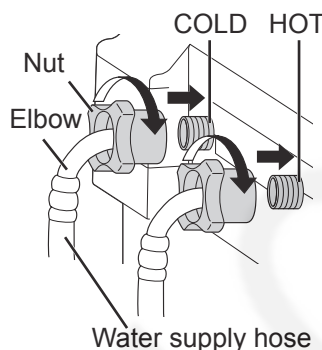


#### Connect the water supply hose to the water supply valve screw.

- 1 Hold the elbow and tighten the nut.
- 2 Check that the elbow is not loose.

#### For Saudi Arabia

Water supply valve screw



**CAUTION**

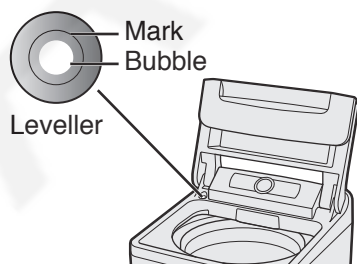
- Do not make wrong connection for the HOT and COLD water supply faucets.
- Tighten the nut firmly.
- Do not twist, squash, modify or cut the hose.

#### 5. Connect the power plug and grounding wire.

- Ask a service person to do the grounding work.
- In case of a 2-pin power cord, establish a ground.

#### 6. Check the washing machine is level.

The bubble should be at the centre of the mark.

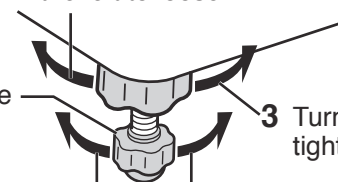


■ If the bubble is out of the mark



- 2 Turn the adjustable leg to eliminate wobble.

- 1 Turn the adjustable leg knob to the left to loosen.



- 3 Turn to the right to tighten.

#### Perform a trial operation.

- Check that there is no water leakage, abnormal sounds or error display.



# OPERATION PANEL / MIDDLE EAST

## NA-F150A3

### Change water level

During the wash process, press "Water Level" to change the water level.

- Some water levels cannot be selected depending on the program.
- When the remaining time is displayed, press "Water Level" to check the water level.

### Water level/remaining time

96 L

After starting operation, indicates the water level according to the amount of laundry.

Time Left  
60 min

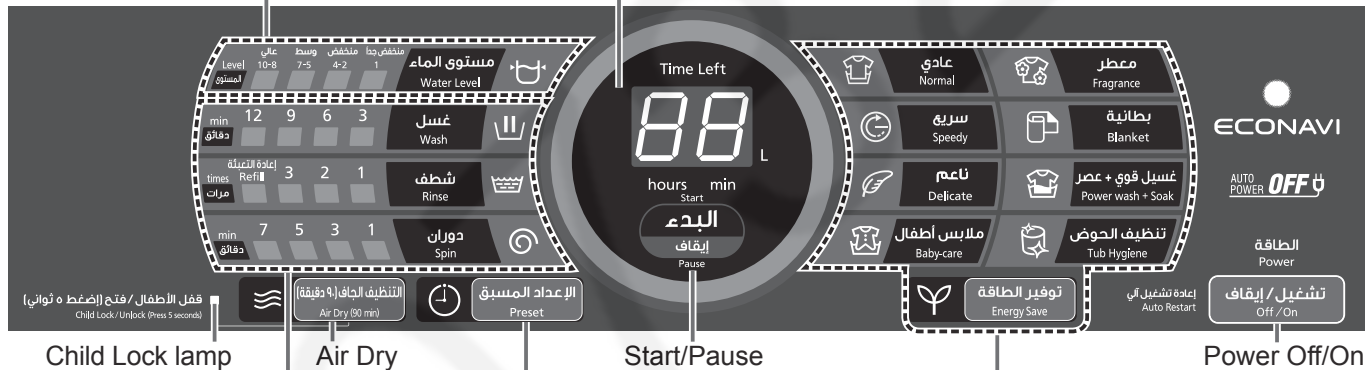
After approx. 5 seconds, indicates the approximate remaining time (min).

### Water level/water amounts

Level	High 10-8	Mid 7-5	Low 4-2	Extra Low 1
Detergent *				
Water amount (L)	96 88 81	74 66 59	52 46 38	33

\* : 1 scoop of detergent

- Each water level, except "Extra Low", has three water amount options that can be switched while the level is lit by pressing "Water Level".



Child Lock lamp

Air Dry

Start/Pause

Program selection

Power Off/On

### Change process settings

Change the combination of wash, rinse and spin processes, and the time length or number of times for individual processes.



Lighted

Flashing (in progress)

- After starting operation, you can change settings only during wash process by pressing "Start/Pause".

### Preset

Set the time to finish washing (in hours). (⌚ lights.)



e.g.) 8 hours later

- Setting range: 2 - 24 hours later, in one-hour increments. (3 - 24 hours later for the Power wash + Soak program)
- Not available for the following programs: Gentle Hand Wash, Fragrance, Blanket, Tub Hygiene, Air Dry

### NOTE

- In case of a power failure during operation, operation will resume from the point where it was stopped when the power is recovered (Auto Restart).
- The power turns off automatically if you do not press "Start/Pause" within 10 minutes after power-on.

# OPERATIONS PANEL / SAUDI ARABIA

NA-FS16X3

## Change water level

During the wash process, press "Water Level" to change the water level.

- Some water levels cannot be selected depending on the program.
- Only during the wash process, press "Water Level" to check the water level.

## Water level/remaining time



After starting operation, indicates the water level according to the amount of laundry.



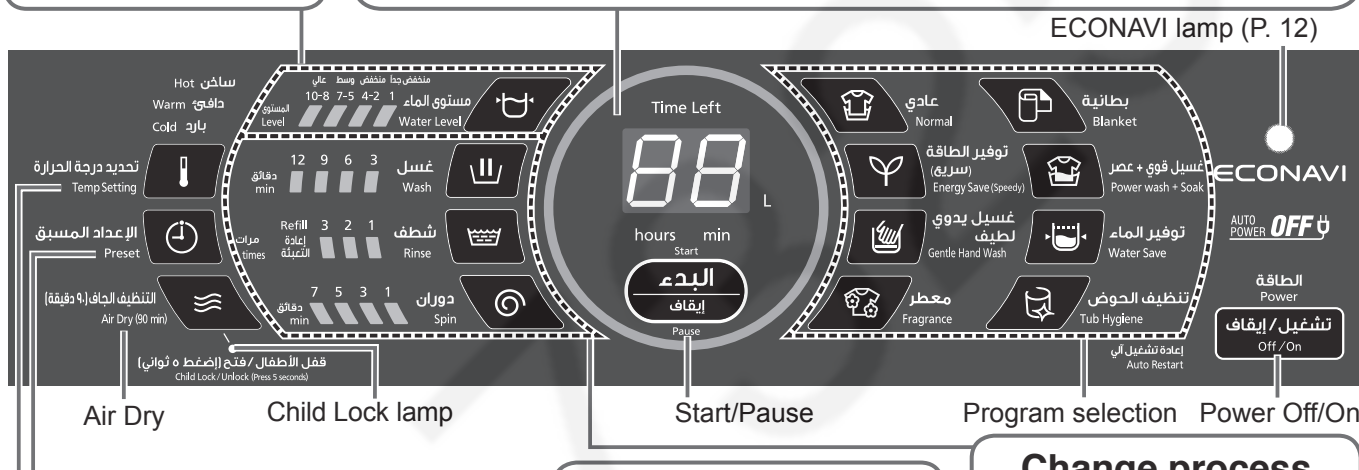
After approx. 5 seconds, indicates the approximate remaining time (min).

## Water level/water amounts

Level	High 10-8	Mid 7-5	Low 4-2	Extra Low 1
Detergent *				
Water amount (L)	99 88 81	74 66 59	52 46 38	33

\* : 1 scoop of detergent

- Each water level, except "Extra Low", has three water amount options that can be switched while the level is lit by pressing "Water Level".



## Temp Setting

For washing, cold water can be mixed with hot water. Press the button to select Hot/Warm/Cold.

**Do not use water hotter than 60 °C.**

- The estimated water temperature in the tub during wash process (when hot water is 50 °C, and normal water is 20 °C):

Hot	approx. 40 °C
Warm	approx. 30 °C

- Lamp indications  
Lighted: Hot/Warm/Cold is set.  
Flashing: Hot water is being supplied.
- Not available for the following programs: Gentle Hand Wash, Tub Hygiene, Air Dry

### Touch operation

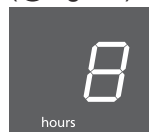
- Operation buttons are capacitive (Except for the power Off/On and Start/Pause buttons). Touch the buttons directly with your bare fingers.
- When a towel containing water or detergent touches an operation button, the appliance may malfunction.

### NOTE

- In case of a power failure during operation, operation will resume from the point where it was stopped when the power is recovered (Auto Restart).
- The power turns off automatically if you do not press "Start/Pause" within 10 minutes after power-on.

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Set the time to finish washing (in hours). (⌚ lights.)



e.g.) 8 hours later

- Setting range: 2 - 24 hours later, in one-hour increments. (3 - 24 hours later for the Power wash + Soak program)
- Not available for the following programs: Gentle Hand Wash, Fragrance, Blanket, Tub Hygiene, Air Dry

## Change process settings

Change the combination of wash, rinse and spin processes, and the time length or number of times for individual processes.



Lighted

Flashing (in progress)

- After starting operation, you can change settings only during wash process by pressing "Start/Pause".



## NA-F150A3

### Change water level

During the wash process, press “Water Level” to change the water level.

- Some water levels cannot be selected depending on the program.
- When the remaining time is displayed, press “Water Level” to check the water level.

### Water level/remaining time



After starting operation, indicates the water level according to the amount of laundry.



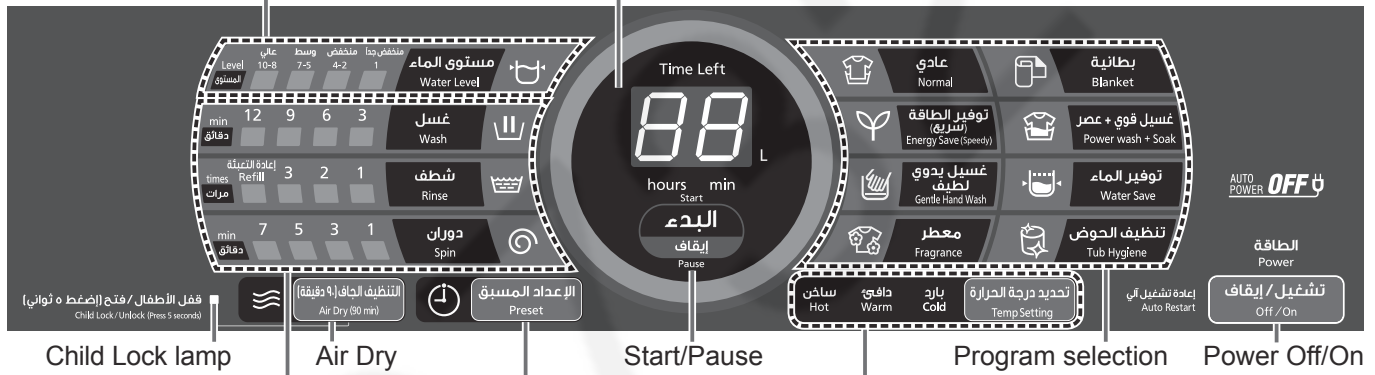
After approx. 5 seconds, indicates the approximate remaining time (min).

### Water level/water amounts

Level	High 10-8	Mid 7-5	Low 4-2	Extra Low 1
Detergent *				
Water amount (L)	96 88 81	74 66 59	52 46 38	33

\* : 1 scoop of detergent

- Each water level, except “Extra Low”, has three water amount options that can be switched while the level is lit by pressing “Water Level”.



Child Lock lamp

Air Dry

Start/Pause

Program selection

Power Off/On

### Change process settings

Change the combination of wash, rinse and spin processes, and the time length or number of times for individual processes.



Lighted

Flashing (in progress)

- After starting operation, you can change settings only during wash process by pressing “Start/Pause”.

### Preset

Set the time to finish washing (in hours). (⌚ lights.)



e.g.) 8 hours later

- Setting range: 2 - 24 hours later, in one-hour increments. (3 - 24 hours later for the Power wash + Soak program)
- Not available for the following programs: Gentle Hand Wash, Fragrance, Blanket, Tub Hygiene, Air Dry

### Temp Setting

For washing, cold water can be mixed with hot water. Press the button to select Hot/Warm/Cold.

**Do not use water hotter than 60 °C.**

- The estimated water temperature in the tub during wash process (when hot water is 50 °C, and normal water is 20 °C):

Hot	approx. 40 °C
Warm	approx. 30 °C

- Lamp indications  
Lighted: Hot/Warm/Cold is set.  
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- Not available for the following programs: Gentle Hand Wash, Tub Hygiene, Air Dry

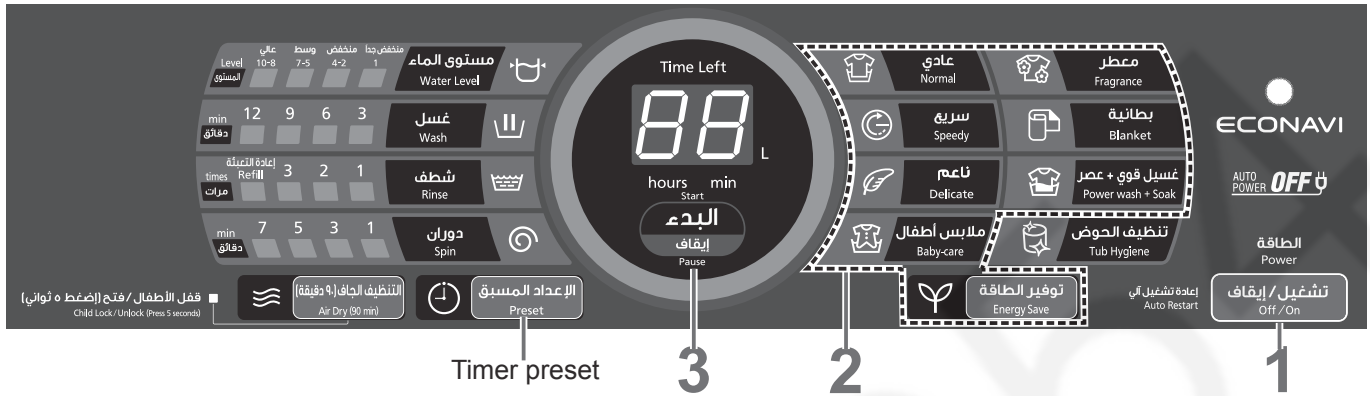
### NOTE

- In case of a power failure during operation, operation will resume from the point where it was stopped when the power is recovered (Auto Restart).
- The power turns off automatically if you do not press “Start/Pause” within 10 minutes after power-on.

# WASHING / MIDDLE EAST

## Preparation:

- Check if the washing machine is properly installed.
- Turn on the water faucet.



## 1 After loading laundry Turn the power on.



- The Normal program is selected when the power is turned on.

## 2 Select a program.

- Timer preset

## 3 Start.



The pulsator moves without water and measures the amount of laundry (approx. 5 seconds).

**Water level indication**  
(approx. 5 seconds)

**Remaining time indication**

- To check the water level  
→ Press "Water Level".

## 4 According to the water level indication Put in detergent.

- Approx. 20 seconds after the water level is displayed, water supply begins.



## 5 Close the lid.



Operation ends with beeps.

### Set how many hours later to finish operation.



- 2 minutes after start-up, all indications except ⌚ turn off.
- To confirm after the timer has been set, press .
- To cancel or change, press .
- The hours that can be set differ depending on the program.

### When the Fragrance program is selected

The buzzer sounds before the final rinse and operation is paused. Put the desired amount of softener which has been diluted with water directly into the tub.



- The Fragrance program cannot be selected when Child Lock is set.
- Operation will resume if the lid is left closed for more than 1 hour.

### After pressing "Start"

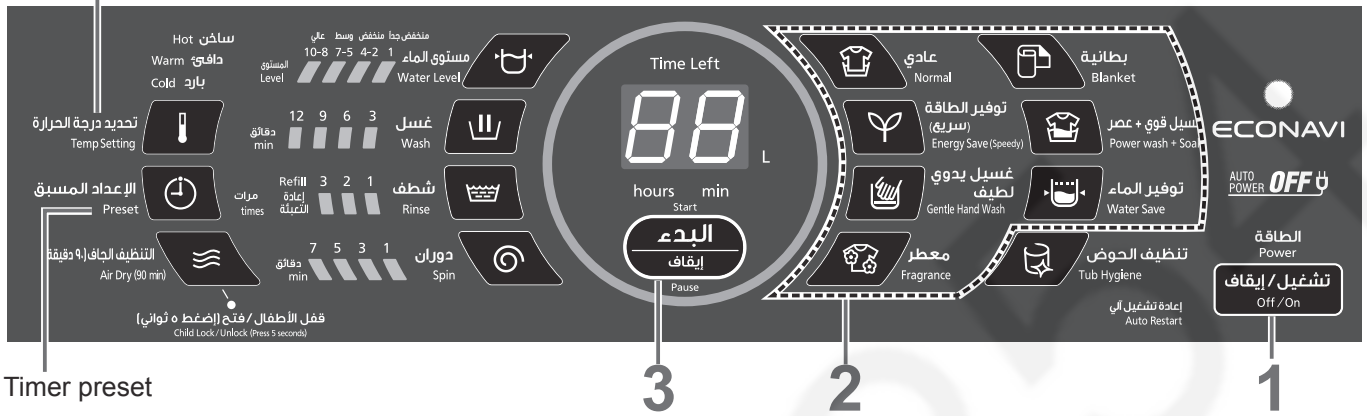
- You can change the water level until the end of the wash process.
- You can change each of the "Wash", "Rinse" and "Spin" operation contents until the end of the wash process. Press "Pause" beforehand.
- You cannot change the program.

# WASHING / SAUDI ARABIA

## Preparation:

- Check if the washing machine is properly installed.
- Turn on the water faucet.
- When using Temp Setting, turn on both hot and cold water faucets.

## Temp setting



Timer preset

1

After loading laundry

**Turn the power on.**

- The Normal program is selected when the power is turned on.

**Press to select Hot/Warm/Cold for washing.**





2

**Select a program.**

- Temp Setting
- Timer preset

**Set how many hours later to finish operation.**



- 2 minutes after start-up, all indications except ⏸ turn off.
- To confirm after the timer has been set, press .
- To cancel or change, press .
- The hours that can be set differ depending on the program.

3

**Start.**

The pulsator moves without water and measures the amount of laundry (approx. 10 seconds).

**Water level indication**  
(approx. 5 seconds)

**Remaining time indication**

- To check the water level → Press "Water Level".

4

According to the water level indication

**Put in detergent.**

- Approx. 20 seconds after the water level is displayed, water supply begins.

**When the Fragrance program is selected**

The buzzer sounds before the final rinse and operation is paused. Put the desired amount of softener which has been diluted with water directly into the tub.



- The Fragrance program cannot be selected when Child Lock is set.
- Operation will resume if the lid is left closed for more than 1 hour.

5

**Close the lid.**

Operation ends with beeps.

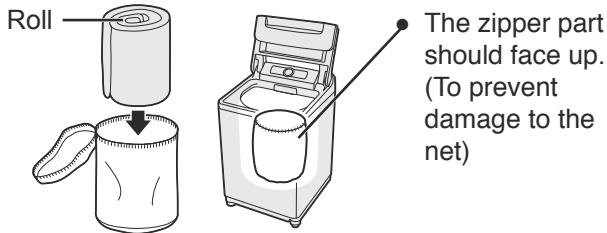
■ After pressing "Start"

- You can change the water level until the end of the wash process.
- You can change each of the "Wash", "Rinse" and "Spin" operation contents until the end of the wash process. Press "Pause" beforehand.
- You cannot change the program.

## WIRING OPTIONS

### Blanket

- Washable blankets
  - Material: 100 % synthetic fibre or 100 % cotton
  - Weight: 4.2 kg or less
  - Blankets with a machine-washable tag attached
- Put a blanket in the net and load it in the tub.



#### NOTE

- Use liquid detergent.
- The water level indication shows the maximum and cannot be changed.

### ECONAVI

Available in the Normal program, this function automatically adjusts the operation time and water level according to the detected amount of laundry and water temperature. ECONAVI will not work if you change the water level or process settings.

#### ■ Lamp indications

- Flashing: Detecting
- Lighted: ECONAVI enabled
- Unlit: ECONAVI disabled



#### ■ Switch on/off

- 1 **تشغيل / إيقاف**  
Off / On
- 2 **تنظيف الحوض**  
Tub Hygiene
- 3 **مستوى الماء**  
Water Level Press and hold for 3 seconds
- 4 **مستوى الماء**  
Water Level to select (On) or (Off)
- 5 **البدء**  
إيقاف 6 beeps

#### \* Test conditions:

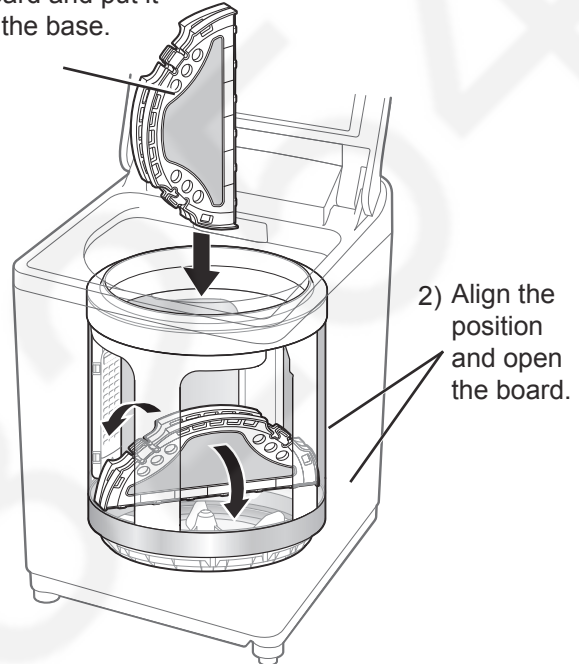
- Normal program
- Comparison between ECONAVI-enabled operation (amount of laundry: 4.0 kg, water temperature: above 35 °C) and ECONAVI-disabled operation (amount of laundry: 16.0 kg (rated capacity), water temperature: below 15 °C)
- Test was conducted based on IEC60456 except for water temperature.

### Gentle Hand Wash

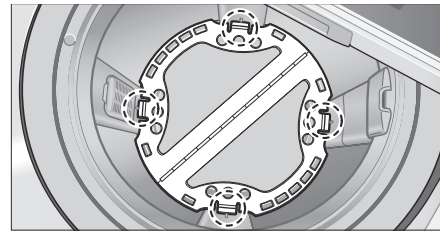
Use this program to gently wash delicate clothes and stylish garments.

#### Attach the washing board.

- 1) Double up the board and put it in the base.

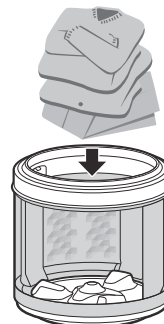


- 3) Press the board circumference and fix it.



- Set the claws (4 places) securely.

#### Load the laundry.



Load laundry evenly.

- Load lighter items first and press them from above.
- Use laundry nets for delicate underwear only.
- Amount that can be washed at one time:

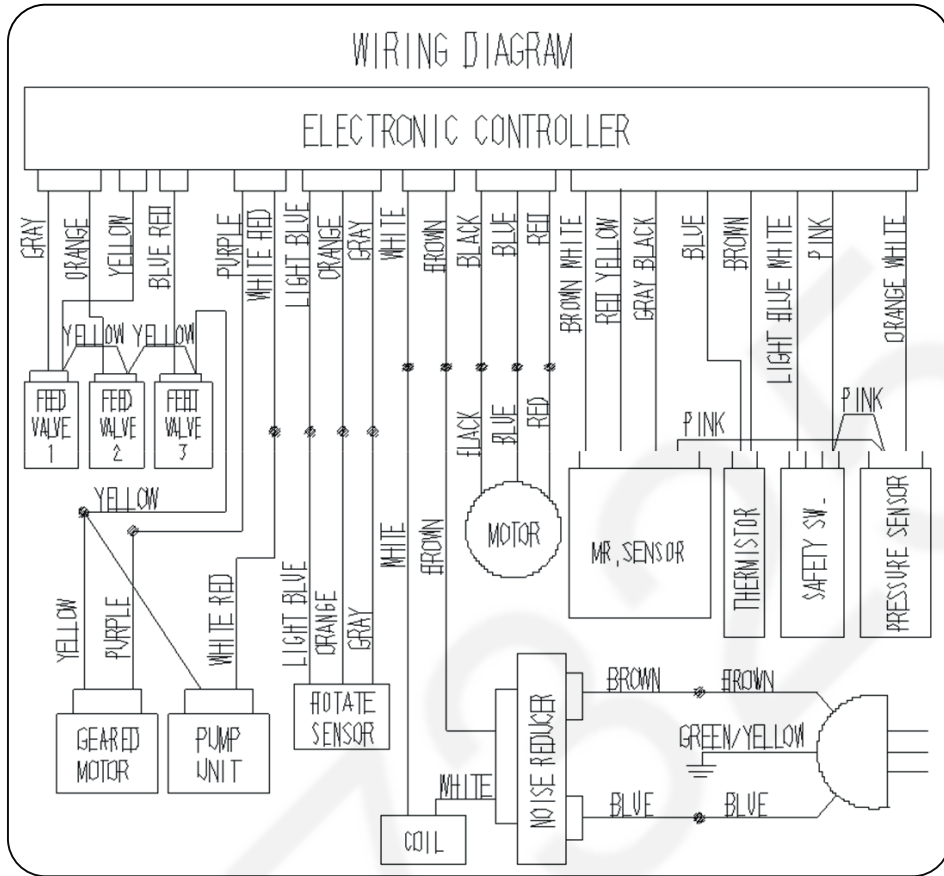
Water Level	Capacity
46 L	2.5 kg
38 L	1.2 kg

#### NOTE

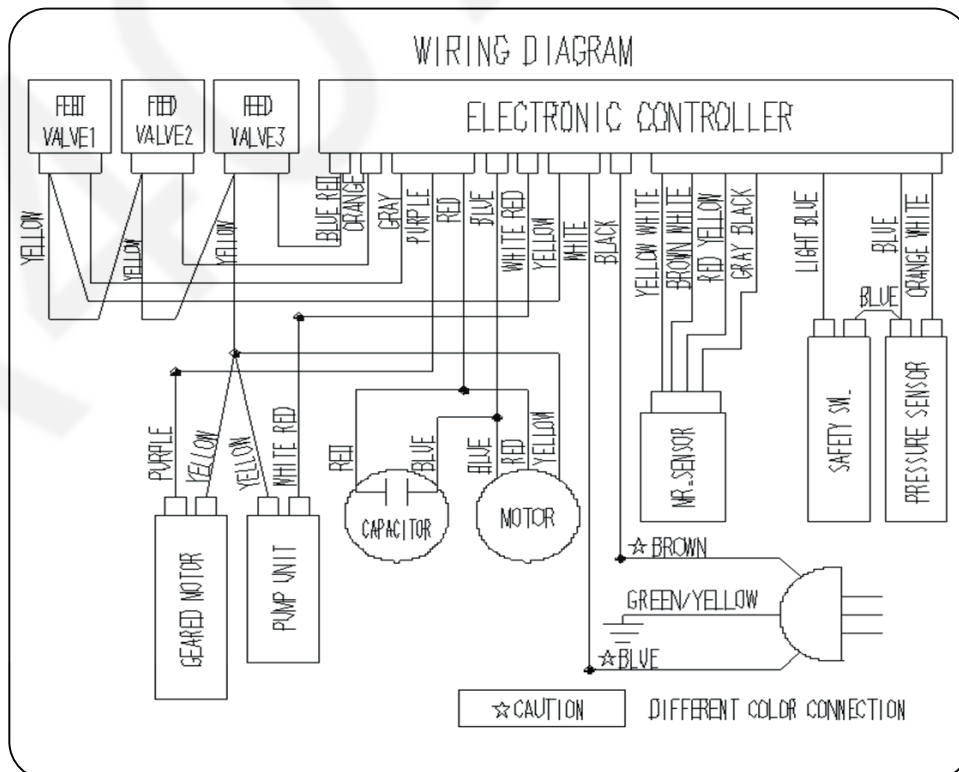
- Do not use bleach.
- Use liquid delicate detergent.
- After operation ends, take out clothes immediately. (To prevent wrinkles and colour staining)

# WIRING DIAGRAM

NA-FS16X3



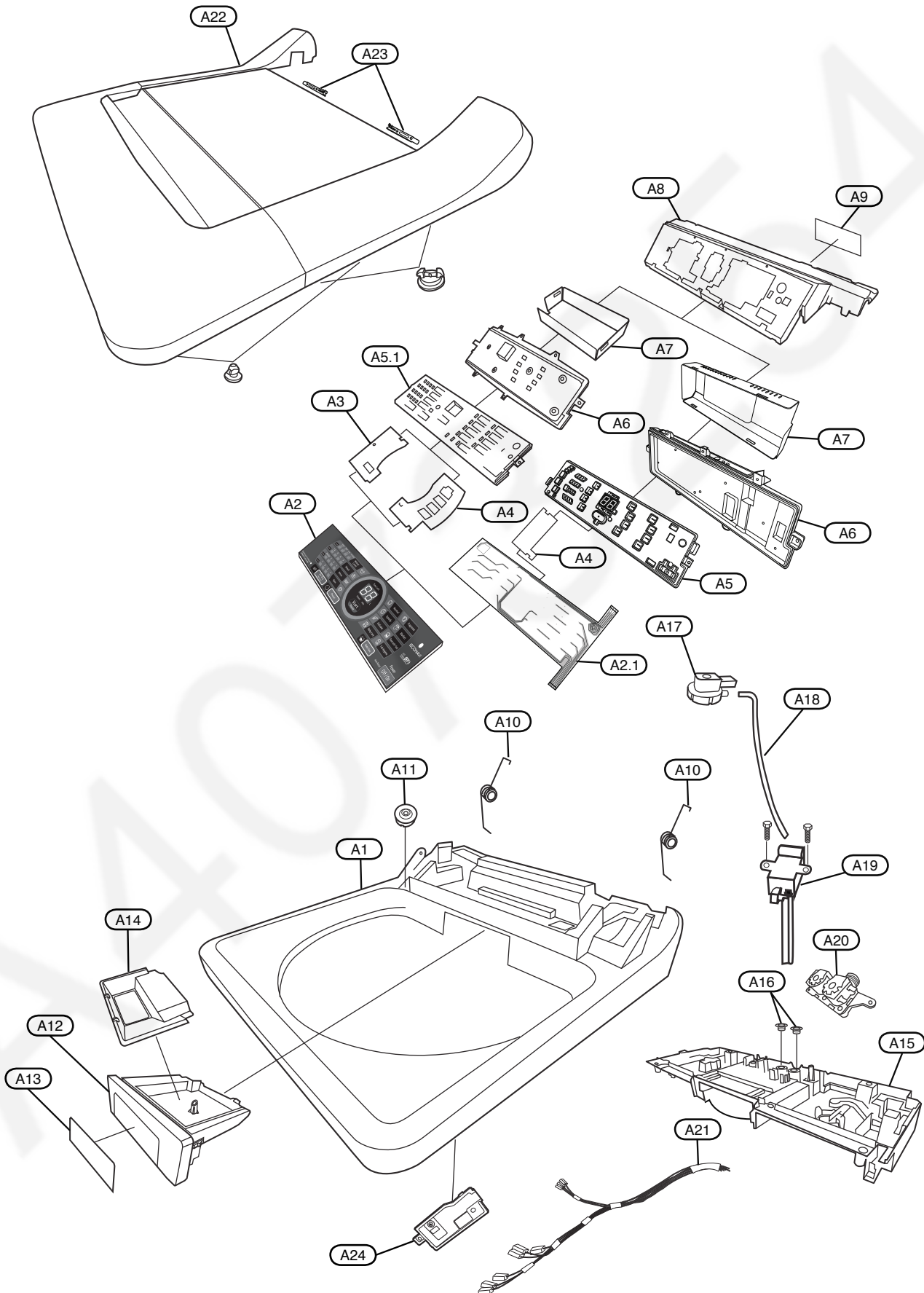
NA-F150A3/NA-F130A3





# PARTS EXPLODED VIEW AND REPLACEMENT PARTS LIST

## Parts Explode View : A



**Important safety notice :**

Components identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified part.

**REPLACEMENT PARTS LIST**

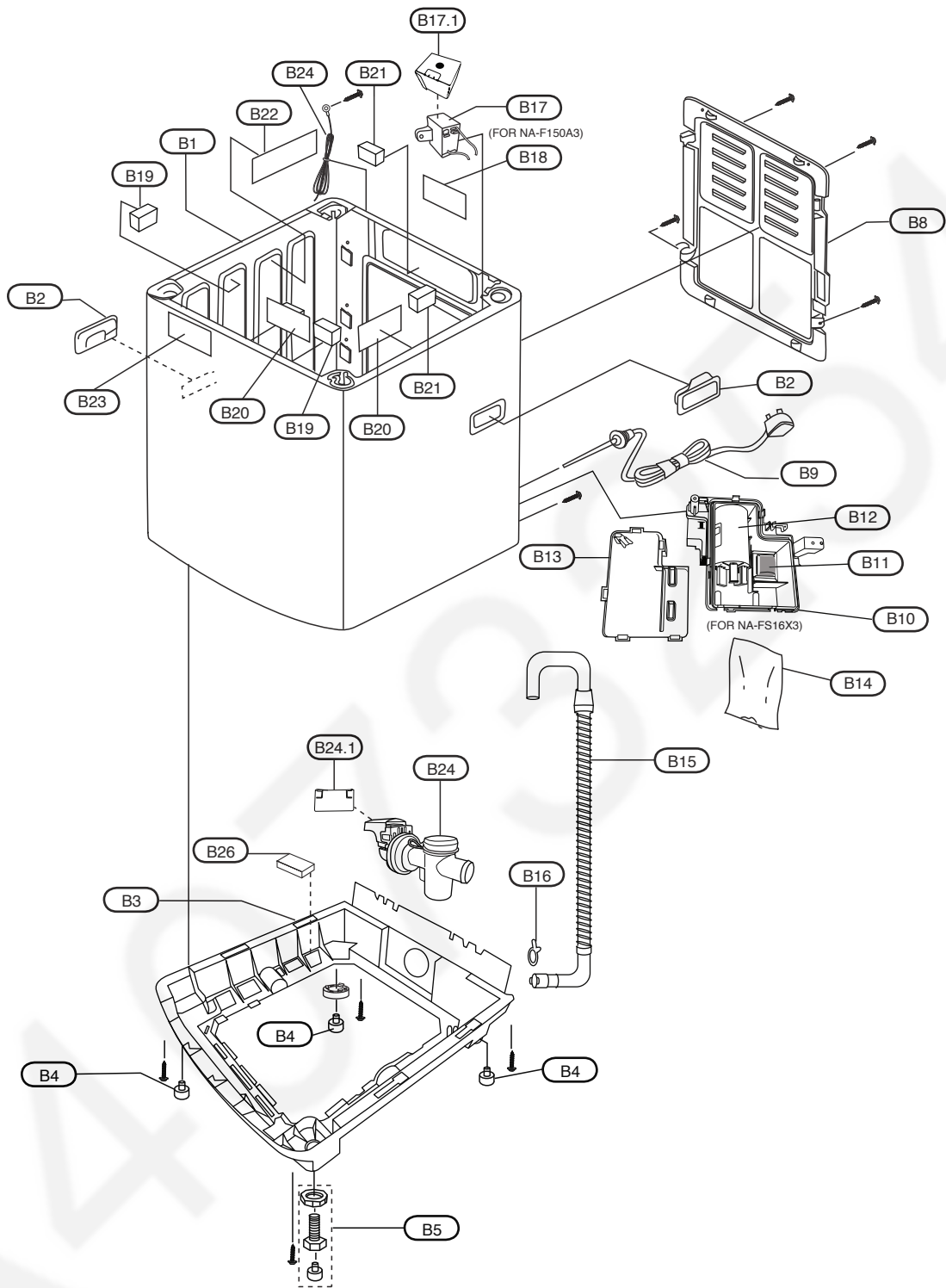
**Part List : Part A of NA-FS16X3, F150A3, NA-F130A3**

Safety	Ref. No.	Part Name	Part No.	MODEL / COUNTRY / Q'TY					Remark
				UAE-EXPORT	UAE-LOCAL	KUWAIT	SAUDI ARABIA		
				NA-F150A3	NA-F130A3	NA-F150A3	NA-FS16X3	NA-F150A3	
	A1	BODY B	AXW01028XT1W	1	1	1			COLOUR:WHITE
			AXW01029PN1L				1		COLOUR:WHITE/HOT WATER
			AXW01029PN1W					1	COLOUR:STANDLESS/HOT WATER
	A2	PANEL FACE B	AXW01469VY10	1		1			ENGLISH-ARABIC
			AXW01469VW10				1		ENGLISH-ARABIC
			AXW01469VX10					1	ENGLISH-ARABIC
			AXW0146D1500		1				ENGLISH-ARABIC
	A2.1	PANEL FACE F	AXW01509MG00				1		
	A3	PANEL FACE D	AXW01488XT10	1	1	1		1	
	A4	PANEL FACE E	AXW01498XT10	1	1	1		1	
			AXW01499MG10				1		
	A5	PANEL FACE A UNIT	AXW001J9VW00				1		FOR: X3 SERIES
	A5.1	PANEL FACE C	AXW01478XT00	1	1	1		1	FOR: A3 SERIES
⚠	A6	COMPLETE CONTROL UNIT	AXW024C9VY16	1	1	1			
			AXW024C9VW14				1		
			AXW024C9VX14					1	
	A7	INSULATION SPACER A	AXW04868XT00	1	1	1		1	
			AXW04869MG00				1		
	A8	PANEL A	AXW01308XT0W	1	1	1		1	COLOUR: WHITE
			AXW01309MG0L				1		COLOUR: STAINLESS
	A9	LOCATING INSTRUCTION D	AXW99629VY10	1	1	1			ARABIC
			AXW99629VW10				1	1	ARABIC/HOT WATER
	A10	LID HINGE SPRING	AXW11168XT00	1	1	1	1	1	RIGHT
			AXW1168XT50	1	1	1	1	1	LEFT
	A11	LEVELLER	AXW03536NA10	1	1	1	1	1	COLOUR: WHITE
	A12	SOAP CASE B	AXW21518XT1W	1	1	1		1	COLOUR: STAINLESS
			AXW21518XT1L				1		
	A13	ANTIFREEZE INSTRUCTION B	AXW99599CR0W	1	1	1		1	ARABIC/WHITE
			AXW99599CR0L				1		ARABIC/STAINLESS COLOUR
	A14	SOAP CASE LID	AXW21928XT0W	1	1	1		1	COLOUR: WHITE
			AXW21928XT0L				1		COLOUR: STAINLESS
	A15	PANEL A BACK COVER	AXW01388XT10	1	1	1			
			AXW01389PN00				1	1	
⚠	A16	SOAP CASE PACKING	AXW21647EC00	2	2	2	2	2	COLD WATER
			AXW21647EC00				1	1	HOT WATER
⚠	A17	PRESSURE SENSOR UNIT	AXW024T04400	1	1	1	1	1	
⚠	A18	SUB DRAIN HOSE UNIT	AXW002Q9MG00	1	1	1	1	1	
	A19	SAFETY SWITCH A	AXW166125000	1	1	1	1	1	
⚠	A20	FEEDING VALVE	AXW292126716	1	1	1	1	1	COLD WATER
			AXW292126606				1	1	HOT WATER
⚠	A21	CONNECTOR LEAD WIRE UNIT	AXW014A9PG10	1	1	1			FOR: A3 SERIES
			AXW014A9VW00					1	FOR: A3 SERIES / HOT WATER
			AXW014A9PP10				1		FOR: X3 SERIES / HOT WATER
⚠	A22	LID UNIT	AXW001G8XT0W	1	1	1		1	
			AXW001G8XT0L				1		
	A23	LID HINGE SHAFT	AXW01937JS00	2	2	2	2	2	BODY B
⚠	A24	SENSOR UNIT	AXW024N09410	1	1	1	1	1	

**Screws**

Safety	Ref. No.	Part Name	Part No.	MODEL / COUNTRY / Q'TY					Remark
				UAE-EXPORT	UAE-LOCAL	KUWAIT	SAUDI ARABIA		
				NA-F150A3	NA-F130A3	NA-F150A3	NA-FS16X3	NA-F150A3	
		SPECIAL TAPPING SCREW	XTWAXW469J	4	4	4	4	4	BODY B -BODY A
		BINDING TAPPING SCREW	XTB4+12CFJ	4	4	4	4	4	LID UNIT
			XTB4+15CFJ	6	6	6	7	6	CONTROLLER HOLDER-PANEL A
			XTB4+15CFJ	2	2	2	2	2	PANEL A BACK COVER-SAFETY SWITCH
			XTB4+15CFJ	4	4	4	4	4	PANEL A - BODY B
			XTB4+15CFJ	6	6	6	6	6	PANEL A BACK COVER-BODY B
			XTB4+15CFJ	2	2	2	2	2	PANEL A BACK COVER-FEEDING VALVE
			XTWAXW435				2	2	FEEDING VALE HOT WATER

# Parts Explode View : Part B



**Accessories**

This section shows three accessories:

- B6**: Drain hose
- B25**: Control panel component
- B7**: Filter panel

**Important safety notice :**

Components identified by mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified part.

**REPLACEMENT PARTS LIST**

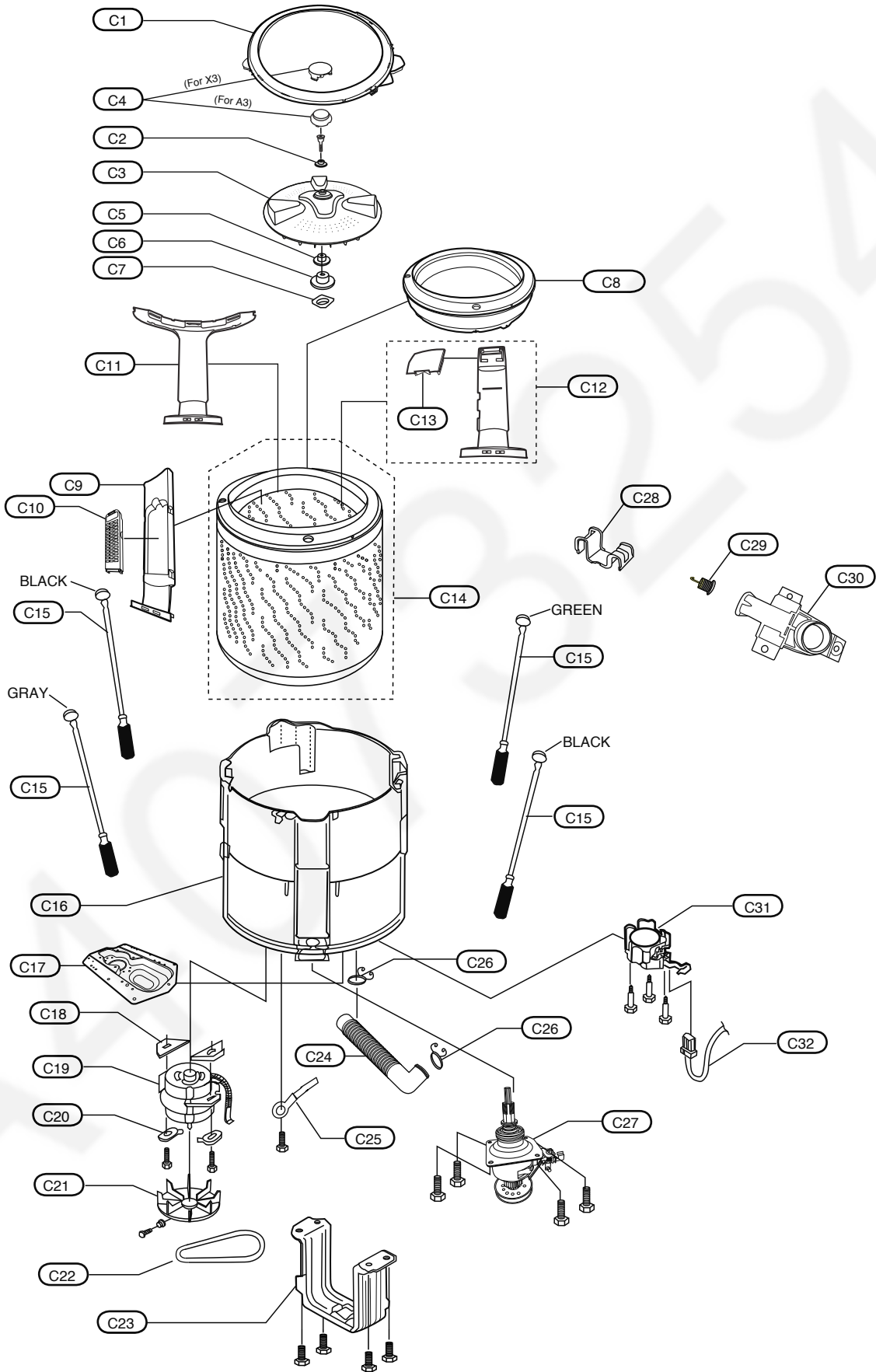
**Part List : Part B of NA-FS16X3, F150A3, NA-F130A3**

Safety	Ref. No.	Part Name	Part No.	MODEL / COUNTRY / Q'TY					Remark
				UAE-EXPORT	UAE-LOCAL	KUWAIT	SAUDI ARABIA		
				NA-F150A3	NA-F130A3	NA-F150A3	NA-FS16X3	NA-F150A3	
	B1	BODY A UNIT	AXW001A8XT2W	1	1	1		1	COLOUR:WHITE
			AXW001A8XT2L				1		COLOUR:STAINLESS
	B2	GRIP	AXW01107JP1W	1	1	1		1	COLOUR:WHITE
			AXW01107JP1L				1		COLOUR:STAINLESS
	B3	BASE A	AXW13019VY10	1	1	1	1	1	
	B4	LEG COVERING	AXW03397JS00	1	1	1	1	1	
	B5	ADJUSTABLE LEG UNIT	AXW003D8XT00	1	1	1	1	1	
	B6	SERVICE PRESSURE HOSE UNIT	AXW012D8AR00	1	1	1	1	1	SAUDI : ADD HOT WATER
	B7	BOTTOM COVER	AXW21588XT00	1	1	1	1	1	
	B8	BACK PANEL	AXW01568XT20	1	1	1	1	1	
	B9	POWER CORD UNIT-S3	AXW004A772E4	1	1	1	1	1	
⚠	B10	COIL BOX	AXW45519MG00				1		
	B11	COIL UNIT	AXW034L9MG06				1		
⚠	B12	NOISE REDUCER	AXW243004910				1		
⚠	B13	COIL BOX PLATE	AXW45529MG00	1	1	1	1	1	
	B14	CHEMICAL COVER	AXW04487EC10	1	1	1		1	
			AXW04489MG00				2		
	B15	FLEXIBLE HOSE UNIT	AXW002D6RJ00	1	1	1	1	1	
	B16	HOSE BAND	AXW024552410	1	1	1	1	1	
⚠	B17	CAPACITOR	AXW04037X007	1	1	1			14µF
			AXW04037U707				1	1	12.5µF
	B17.1	CAPACITOR COVER	AXW0405D1500	1	1	1	1	1	
⚠	B18	NAME PLATE	AXW01539VY10	1		1			
			AXW01539VW10				1		
			AXW01539VX10					1	
			AXW0153D1500		1				
	B19	BODY A PROTECTION	AXW90468AR10	4	4	4	4	4	t30x50x50/HARD TYPE
	B20	BODY A PROTECTION	AXW90468XT50	2	2	2	2	2	t20x50x50/SOFT TYPE
	B21	BODY A PROTECTION	AXW90467JP50	1	1	1	1	1	t1x70x240
	B22	BODY A PROTECTION	AXW90466AA6M	2	2	2	2	2	
	B23	SPINNER LID LABEL	AXW11179CR0W	1	1	1			ENGLISH-ARABIC
			AXW11179PN0L				1		ENGLISH-ARABIC
			AXW11179PN0W					1	ENGLISH-ARABIC
⚠	B24	PUMP UNIT	AXW008C9CR56	1	1	1			50Hz
			AXW008C9CR06				1	1	60Hz
	B24.1	WATER PROOFING COVER	AXW12389FR00	1	1	1	1	1	ASSEMBLE COVER WITH PUMP UNIT
	B25	HOSE SUPPORTER	AXW02796RJ10	1	1	1	1	1	
	B26	OVERFLOW FILTER A	AXW02769VY00	1	1	1	1	1	

**Screws**

Safety	Ref. No.	Part Name	Part No.	MODEL / COUNTRY / Q'TY					Remark
				UAE-EXPORT	UAE-LOCAL	KUWAIT	SAUDI ARABIA		
				NA-F150A3	NA-F130A3	NA-F150A3	NA-FS16X3	NA-F150A3	
		SPECIAL TAPPING SCREW	XTTAXW444J	11	11	11	11	11	BASE A
			XTTAXW444J	4	4	4	4	4	BACK PANEL
			XTTAXW444J	1	1	1	1	1	HOSE SUPPORTER
			XTTAXW444J	1	1	1	1	1	BOTTOM COVER
			XTWAXW471	3	3	3	3	3	PUMP UNIT
		PAN HEAD TAPPING SCREW	XTN4+8HFJ	1	1	1	1	1	EARTH U~BODY A
			XSN4-W10FJ	1	1	1	1	1	CAPACITOR

Parts Explode View : Part C





**Important safety notice :**

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**REPLACEMENT PARTS LIST**

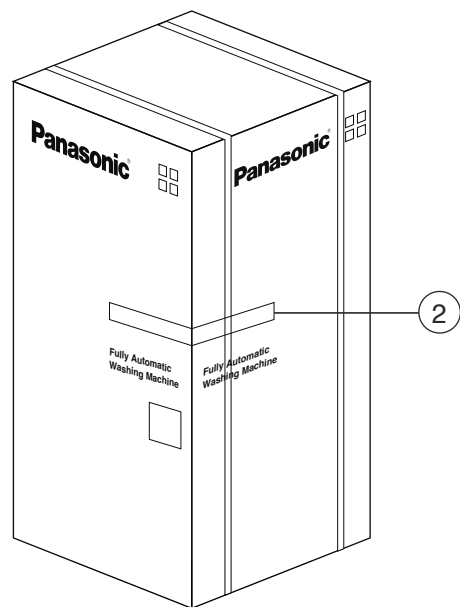
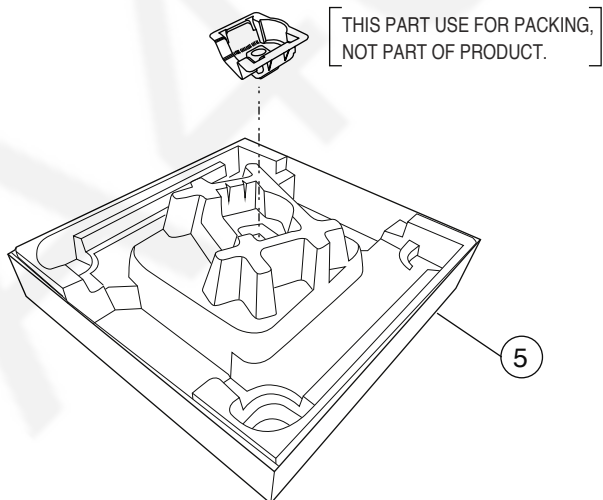
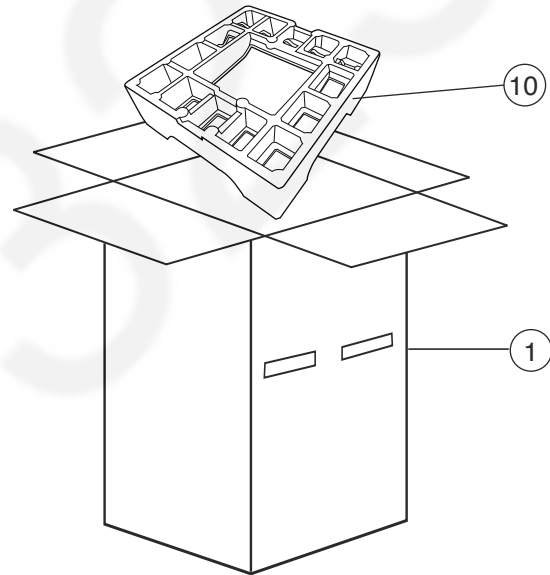
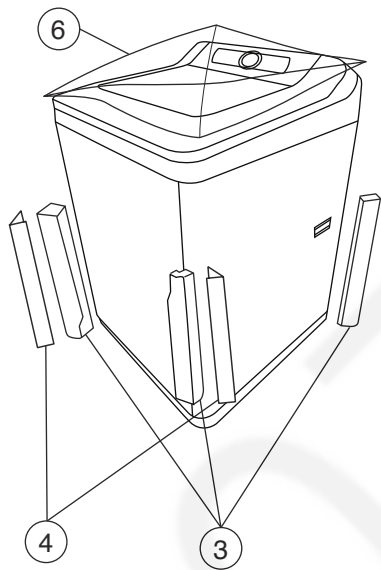
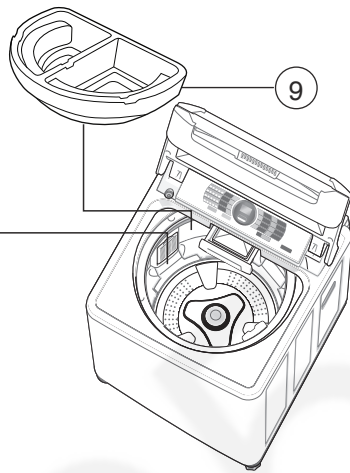
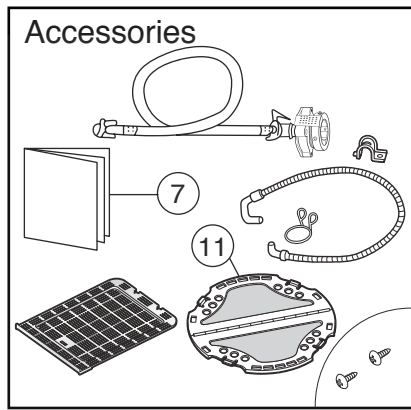
**Part List : Part C of NA-FS16X3, F150A3, NA-F130A3**

Safety	Ref. No.	Part Name	Part No.	MODEL / COUNTRY / Q'TY					Remark
				UAE-EXPORT	UAE-LOCAL	KUWAIT	SAUDI ARABIA		
				NA-F150A3	NA-F130A3	NA-F150A3	NA-FS16X3	NA-F150A3	
	C1	OUTER TUB COVER	AXW001A8XT2W	1	1	1	1	1	
	C2	O-RING	AXW02577BK00	1	1	1	1	1	
	C3	PULSATOR UNIT	AXW05018XW00	1	1	1		1	A3 SERIES
		PULSATOR	AXW005D8XT00				1		X3 SERIES
	C4	SCREW CAP	AXW2118XW00	1	1	1		1	A3 SERIES
				AXW2118XT00				1	X3 SERIES
	C5	SHAFT BUSHING	AXW05046ZR00	1	1	1	1	1	
	C6	SPINNER SHAFT FRANGE NUT	AXW15176RU20	1	1	1	1	1	
	C7	SPINNER FLANGE WASHER B	AXW151980200	1	1	1	1	1	
	C8	BALANCER UNIT	AXW035A8XT30	1	1	1	1	1	
	C9	TUB B	AXW02029MG00	1	1	1	1	1	
	C10	FILTER UNIT	AXW022A8AR1W	1	1	1	1	1	
	C11	TUB E UNIT	AXW012V9MG00	2	2	2	2	2	
	C12	TUB C UNIT	AXW012U9MG00	1	1	1	1	1	
	C13	SLOT	AXW11988XT00	1	1	1	1	1	
	C14	TUB UNIT	AXW002A9MG00	1	1	1	1	1	
	C15	SUSPENSION UNIT	AXW034U9MG00	1	1	1	1	1	FRONT LEFT.COLOUR GRAY
			AXW034U9MG50	2	2	2	2	2	FRONT/RIGHT,REAR/ LEFT.COLOUR:BLACK
			AXW034U9MGA0	1	1	1	1	1	REAR/RIGHT,GREEN
	C16	OUTER TUB A	AXW12019MG10	1	1	1	1	1	
	C17	OUTER TUB B	AXW12028XT10	1	1	1	1	1	
	C18	MOTOR WASHER A	AXW04207JS00	2	2	2		2	
			AXW04209MG00					2	
⚠	C19	MOTOR	AXW04015B506	1	1	1		1	
			AXW04015C108					1	
	C20	MOTOR WASHER B	AXW04217BK10	1	1	1		1	
			AXW04219MG00					1	
	C21	MOTOR PULLEY UNIT	AXW004G9MG00	1	1	1	1	1	
	C22	V-BELT	AXW041219860	1	1	1	1	1	M-19.8"/50 HZ
			AXW04129PN50					1	M-21.0"/60 HZ
	C23	SPINNER PLATE B	AXW32328XT00	1	1	1	1	1	
	C24	HOSE A	AXW02479CR00	1	1	1	1	1	
⚠	C25	EARTH WIRE UNIT	AXW003F9MJ00	1	1	1		1	INTERNAL EARTH
			AXW003F9MG00					1	INTERNAL EARTH
	C26	HOSE BAND	AXW024552410	2	2	2	2	2	DRAIN PIPE-HOSE A/HOSE A-PUMP
	C27	MECHA-CASE UNT	AXW020A9MG00	1	1	1	1	1	
			AXW020A9VW00					1	
	C28	VALVE ROD A	AXW093259U5M	1	1	1	1	1	
	C29	VALVE SPRING A	AXW092259U0A	1	1	1	1	1	
	C30	DRAIN PIPE	AXW32229CR00	1	1	1	1	1	
⚠	C31	GEARED MOTOR	AXW348204506	1	1	1	1	1	
⚠	C32	LEAD WIRE UNIT	AXW014B9MJ00	1	1	1		1	GEARED MOTOR
			AXW014B9MG00					1	GEARED MOTOR

**Screws**

Safety	Ref. No.	Part Name	Part No.	MODEL / COUNTRY / Q'TY					Remark
				UAE-EXPORT	UAE-LOCAL	KUWAIT	SAUDI ARABIA		
				NA-F150A3	NA-F130A3	NA-F150A3	NA-FS16X3	NA-F150A3	
		SPECIAL TAPPING SCREW	XTWAXW523	8	8	8	8	8	TUB A-TUB D
		PAN HEAD TAPPING SCREW	XTN4+8HFJ	1	1	1	1	1	EARTH U-OUTER TUB B
		SPECIAL SMALL SCREW	XSSAXW682	1	1	1	1	1	PULSATOR UNIT
		SPECIAL BOLT	XVGAXW703J	1	1	1	1	1	MOTOR PULLEY
			XVGAXW839J	2	2	2	2	2	MOTOR
			XVGAXW840J	4	4	4	4	4	MECHA CASE-OUTER TUB B
		SPECIAL TAPPING SCREW	XTWAXW6517J	7	7	7	7	7	OUTER TUB A~B
			XTWAXW6517J	4	4	4	4	4	SPINNER PLATE B
			XTWAXW6518J	3	3	3	3	3	GEARED MOTOR (CLUTCH)
			XTWAXW531	4	4	4	4	4	BALANCER U-TUB

# Parts Explode View : Packing



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**REPLACEMENT PARTS LIST**

**Part List : Packing**

Safety	Ref. No.	Part Name	Part No.	MODEL / COUNTRY / Q'TY					Remark
				UAE-EXPORT	UAE-LOCAL	KUWAIT	SAUDI ARABIA		
				NA-F150A3	NA-F130A3	NA-F150A3	NA-FS16X3	NA-F150A3	
	1	PROTECTION CASE A	AXW90019VY00	1	1	1	1	1	ENGLISH
	2	CORNER PLATE A	AXW91189MJ00	2		2		2	
			AXW91189MG00				2		
			AXW9118D1500		2				
	3	CORNER CUSHION -F	AXW90159MG00	1	1	1	1	1	FRONT
		CORNER CUSHION -B	AXW90159MG50	1	1	1	1	1	BACK
	4	CORNER PAD	AXW90168XT00	2	2	2	2	2	FRONT
	5	PROTECTION CASE B UNIT	AXW090B9MG00	1	1	1	1	1	
	6	LID SHEET	AXW90698XT00	1	1	1	1	1	TOP LID UNIT
			AXW90698XTB0				1		SPIN TUB SUPPORT
			AXW90698XT50	1	1	1	1	1	UNDER LID UNIT
	7	OPERATING INSTRUCTION	AXW99019VY10	1		1			ENGLISH/ARABIC
			AXW99019VW10				1		ENGLISH/ARABIC
			AXW99019VX10					1	ENGLISH/ARABIC
			AXW9901D1510		1				ENGLISH/ARABIC
	8	ACCESORY BAG	AXW90576UP36	1	1	1	1	1	
	9	SPIN TUB SUPPORT	AXW9085-8XT00	1	1	1	1	1	
	10	SIDE CUSHION	AXW90048XT00	1	1	1	1	1	
	11	WASHBOARD UNIT	AXW002W9MG00	1	1	1	1	1	

**DETAIL CHANGE NOTICE**

Revision	Item no.	Page	Detail	Remark
Jul.2016	1	1	Addition Model NA-F130A3	UAE(Local)
	3	3~4	Addition : Specification of NA-F130A3	UAE(Local)
	3	13	Addition : Wiring Diagram of NA-F130A3	
	4	15	Addition : Part list of NA-F130A3	
			Revise : A1,A2,A6,A9,A20	Update:Part name&No.
	5	16	Addition : Picture new part	B24.1
	6	17	Addition : Part list of NA-F130A3	
			Revise : B12,B16,B17,B18,B24	Update:Part name&No.
			Addition : B24.1	
	7	19	Addition : Part list of NA-F130A3	
Revise : C16,C17,C18			Update:Part name&No.	
6	21	Addition : Part list of NA-F130A3		
		Revise& Update : No.2,7	Update:Part name&No.	
		Addition : Detail change notice.		
Dec.2016	1	21	Addition : No. 9 (Spin Tub Support)	Update:Part name&No.