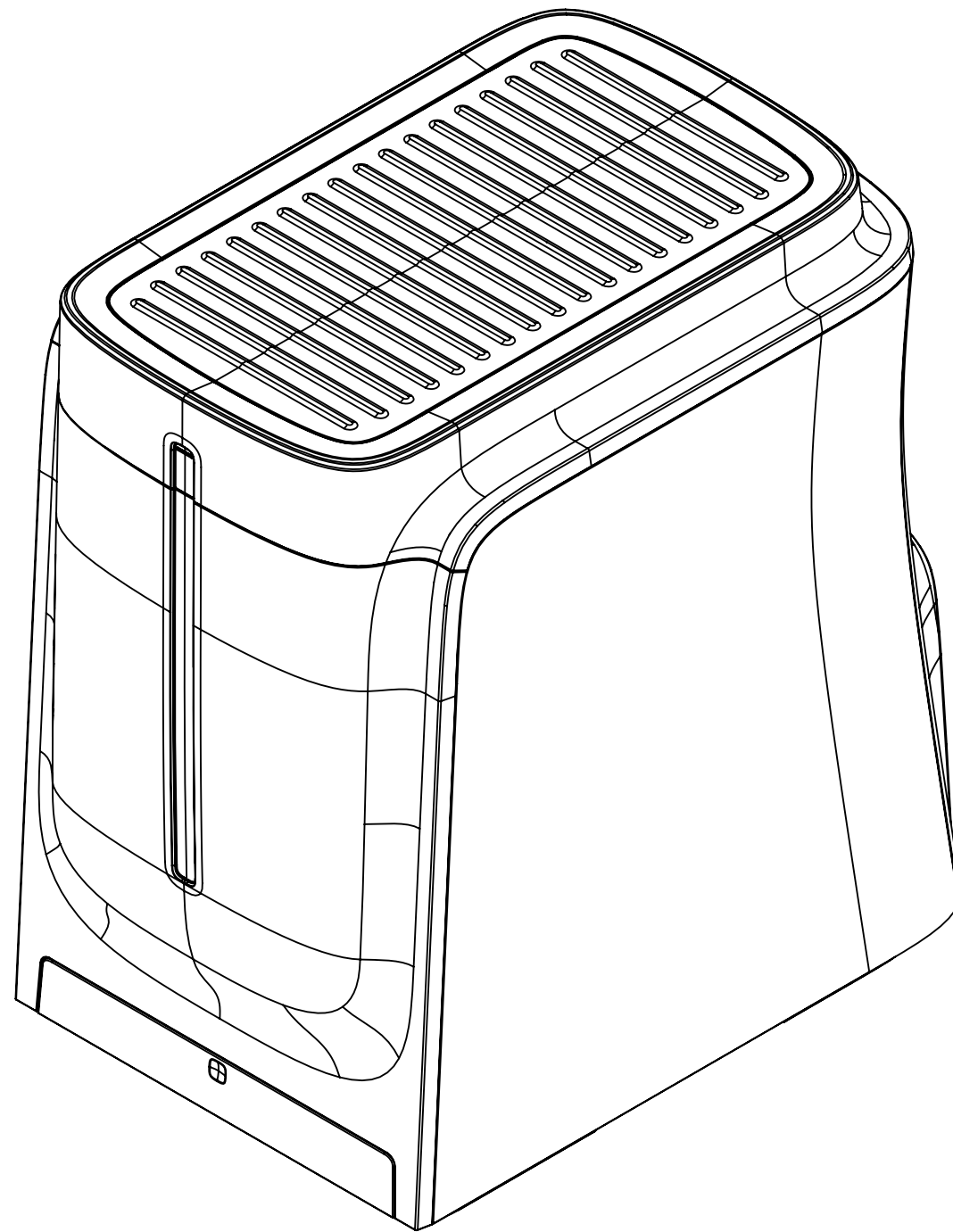


LAVAZZA
PROFESSIONAL

FLAVIA®
CHILL REFRESH



Electrical Safety

- ✓ Do isolate the machine from the electrical supply before attempting any repair where there is any exposed connector at a potential of more than 42V AC or DC.
- ✓ Do verify that the machine is electrically safe by suitable testing after completion of a repair.
- X Do not under any circumstances, modify or bypass safety circuits.
- X Do not attempt to repair conductors in any heater element circuit. Replace the affected loom complete.
- X Do not leave unattended any machine that is switched ON with its external covers removed.

Earthing Installation



DANGER Electric Shock Hazard

Touching some of the internal components can cause serious personal injury or death. Do not disassemble this appliance without undertaking official training from Lavazza Professional.

**WARNING
Electric Shock Hazard**

Improper earthing can result in electric shock.
This appliance must be earthed. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing a current path for the fault current. This appliance is fitted with an earthed plug and power cord.
The plug must be plugged into an outlet that is earthed and has the correct Live Neutral polarity.
Service engineers should consult a qualified electrician if any doubt exists as to whether the electrical supply outlet is correctly installed.

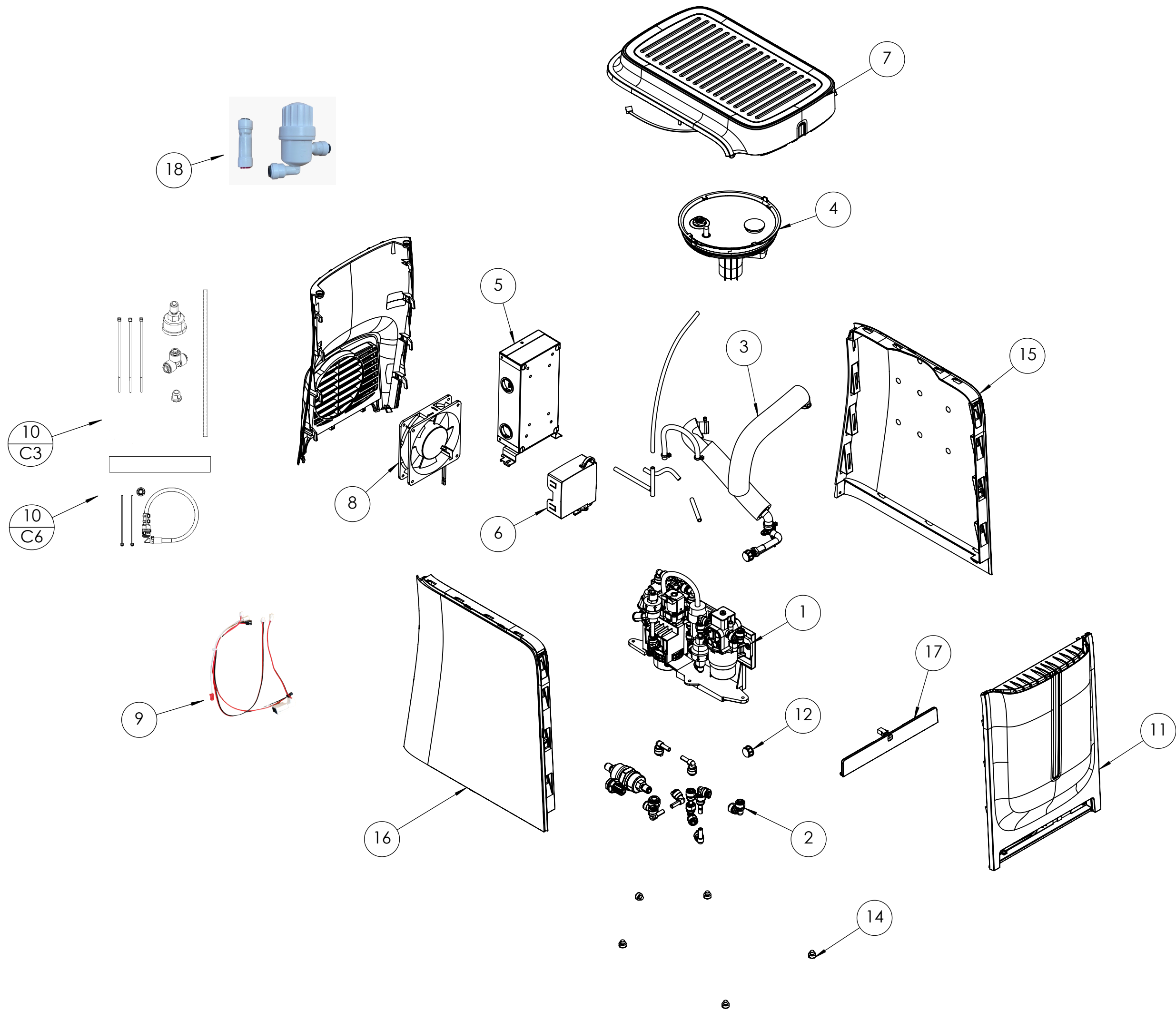
1. Lavazza Professional advises against the use of extension leads as they could present the risk of a trip or fire hazard.

General Safety

- X Do not work on a machine without the client's knowledge.
- X Do not obstruct passageways.
- ✓ Do clear up any water spillage as soon as they occur.
- ✓ Do familiarize yourself and comply with the client's own health and safety requirements.
- ✓ Do clear away any packaging, litter, etc, when the work is completed. Observe any recycling requirements in force.
- ✓ Do check for leaks after any repair

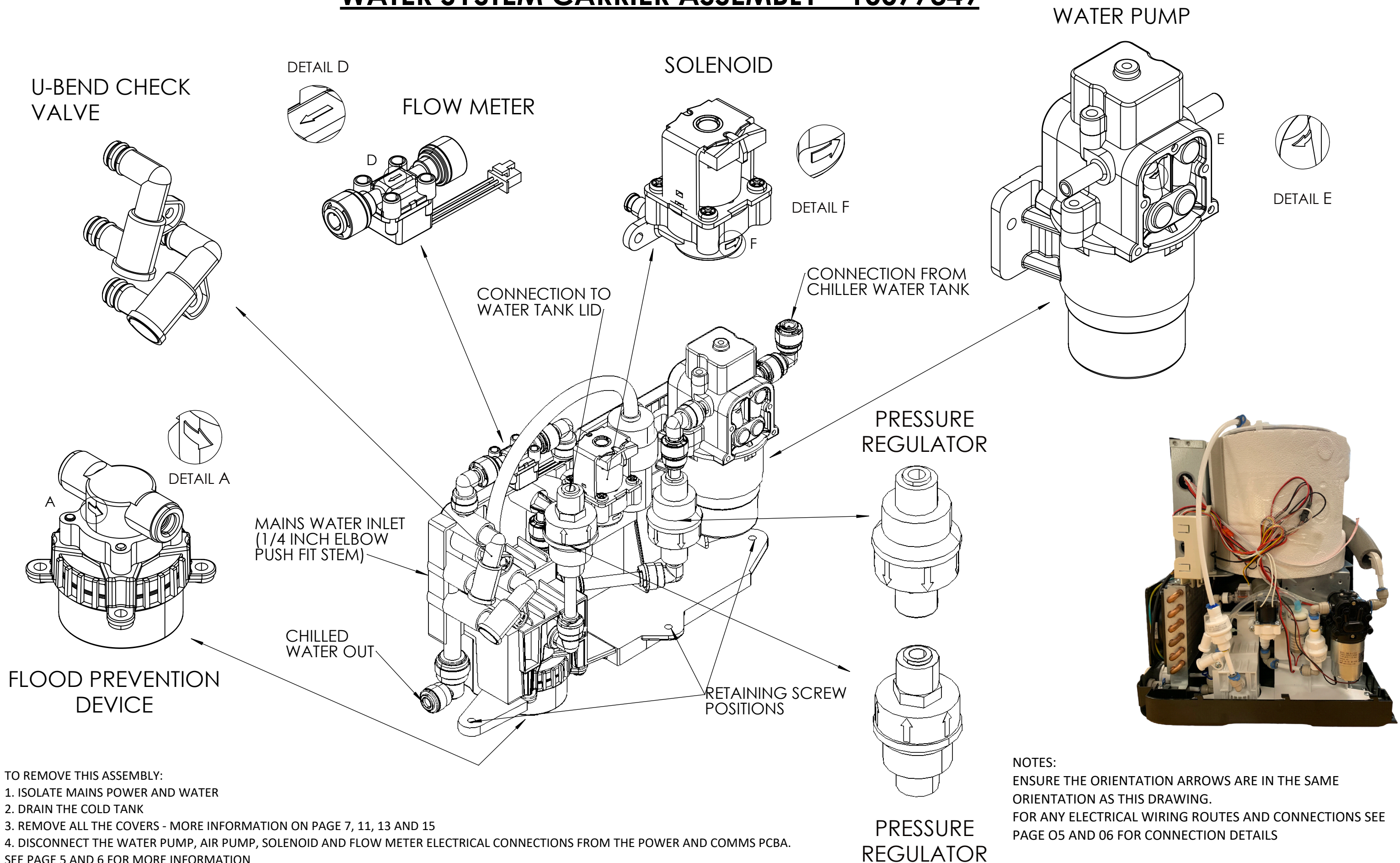
Hygiene

- X Do not allow water or food contact components to become soiled
- X Do not use proprietary cleaning agents on or near water or food contact components.
- X Do not smoke while in the vicinity of the machine.
- ✓ Do maintain the highest standards of personal hygiene.
- ✓ Do wash your hands thoroughly prior to any work on the machine.
- ✓ Do leave the machine clean when you have finished.
- ✓ Do use only Lavazza Professional genuine replacement components to prevent possible tainting of the drinks
- ✓ After replacement or maintenance of any water contact element complete the sanitization procedure. See Chill Refresh technical manual



ITEM No.	DESCRIPTION	SPARES NO	PAGE REFERENCE
1	WATER SYSTEM CARRIER ASSEMBLY	10077349	CHILL REFRESH - 01
2	WATER CONTACT FITTINGS KIT	10077348	CHILL REFRESH - 02
3	HOSES AND TUBES KIT	10077345	CHILL REFRESH - 03
4	COLD TANK LID ASSEMBLY	10077343	CHILL REFRESH - 04
5	POWER PCBA ASSEMBLY	10077346	CHILL REFRESH - 05
6	COMMS PCBA ASSEMBLY	10077347	CHILL REFRESH - 06
7	TOP COVER ASSEMBLY	10077338	CHILL REFRESH - 07
8	COOLING FAN	10077362	CHILL REFRESH - 08
9	ROCKER SWITCH	10077350	CHILL REFRESH - 09
10-C3	CHILL REFRESH INSTALLATION KIT FOR C300	10077342	CHILL REFRESH - 10 C3
10-C6	CHILL REFRESH INSTALLATION KIT FOR C600	10072413	CHILL REFRESH - 10 C6
11	FRONT COVER ASSEMBLY	10077363	CHILL REFRESH - 11
12	DRAIN BUNG REPLACEMENT KIT	10077344	CHILL REFRESH - 12
13	REAR COVER ASSEMBLY	10077341	CHILL REFRESH - 13
14	RUBBER FEET	10077351	CHILL REFRESH - 14
15	SIDE RIGHT COVER	10077340	CHILL REFRESH - 15
16	SIDE LEFT COVER	10077339	CHILL REFRESH - 16
17	DOOR FLAP ASSEMBLY	10077337	CHILL REFRESH - 17
18	CHILL SANITIZATION	10072421	CHILL REFRESH - 18

WATER SYSTEM CARRIER ASSEMBLY - 10077349



TO REMOVE THIS ASSEMBLY:

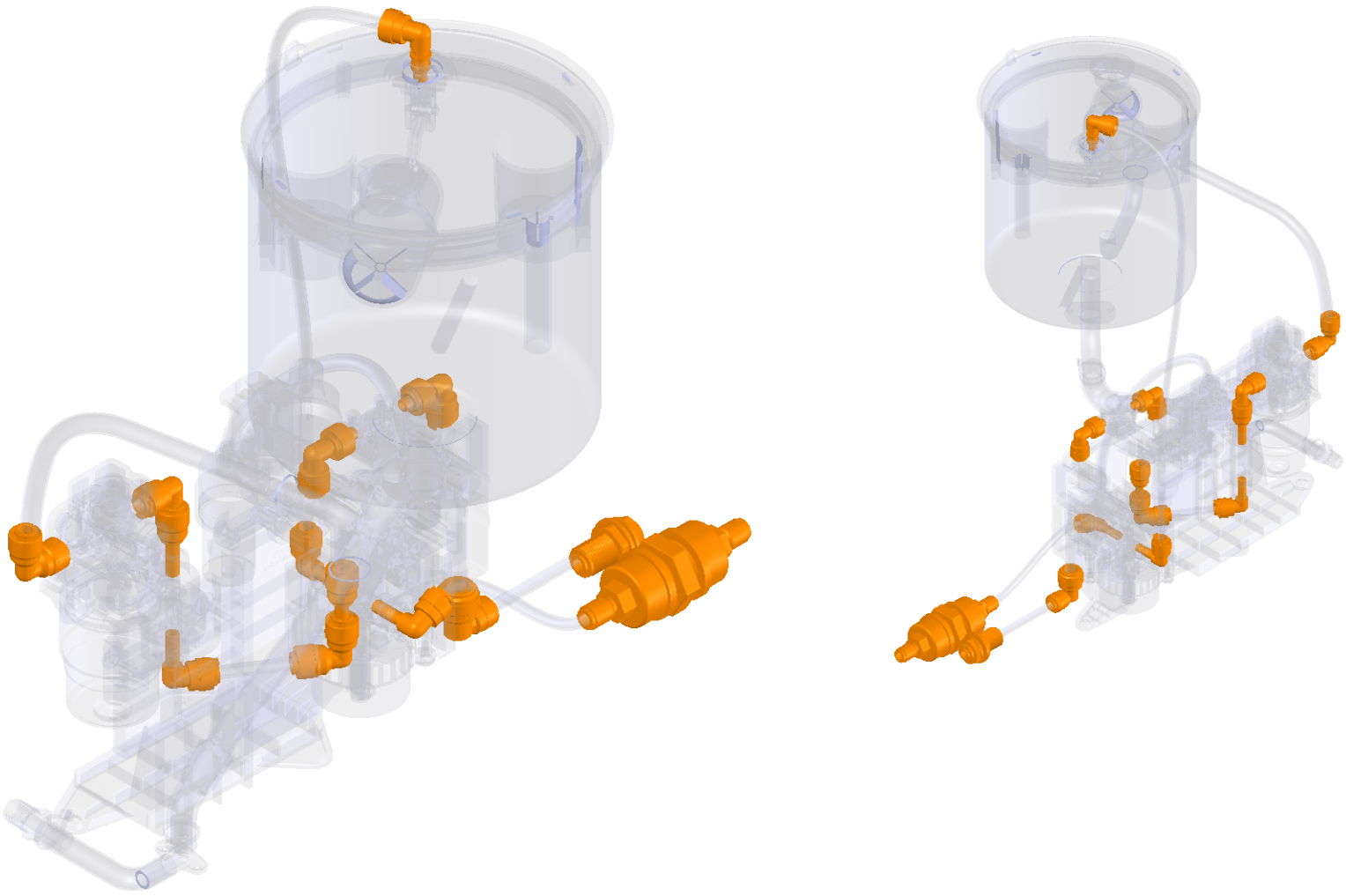
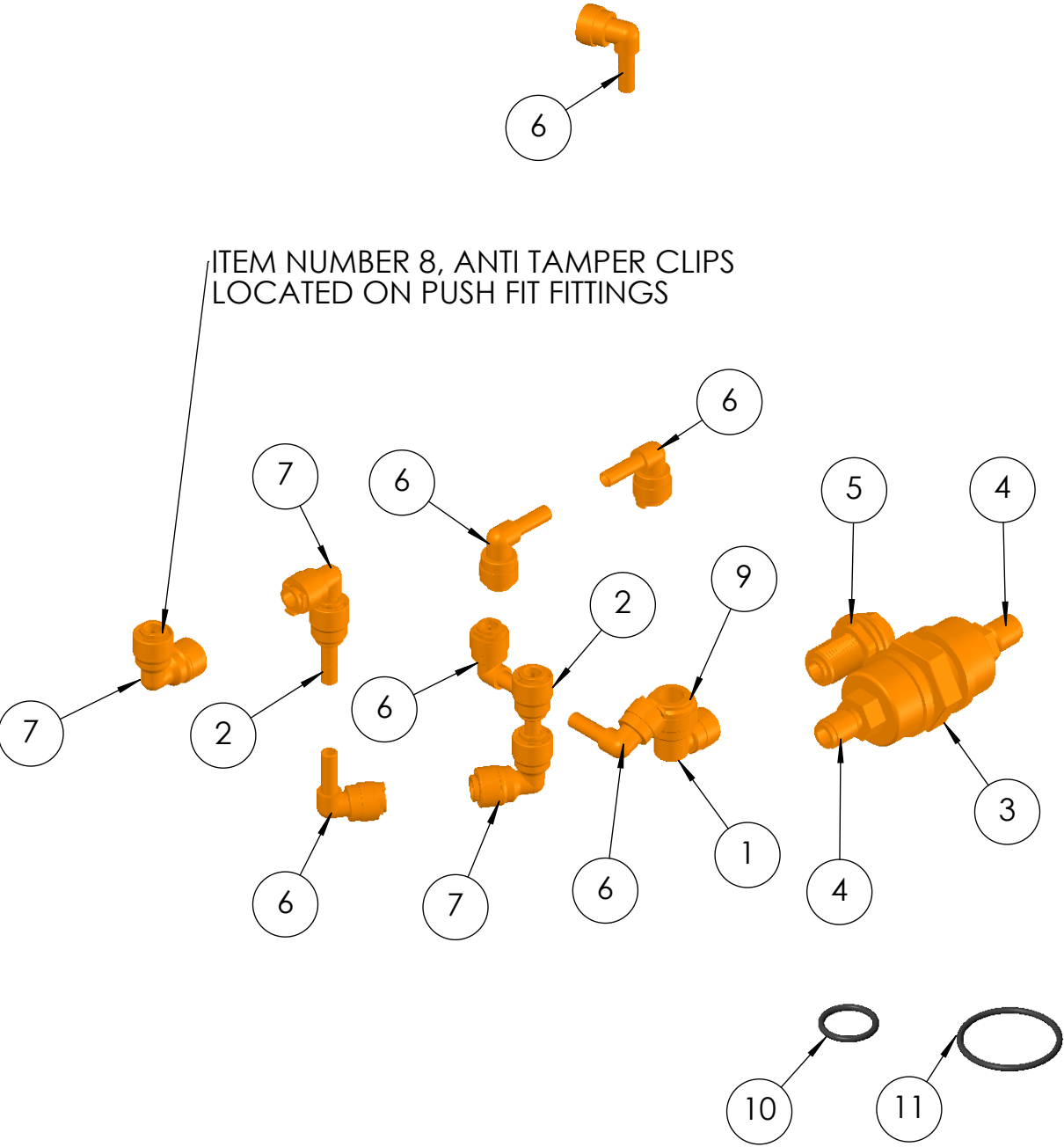
1. ISOLATE MAINS POWER AND WATER
2. DRAIN THE COLD TANK
3. REMOVE ALL THE COVERS - MORE INFORMATION ON PAGE 7, 11, 13 AND 15
4. DISCONNECT THE WATER PUMP, AIR PUMP, SOLENOID AND FLOW METER ELECTRICAL CONNECTIONS FROM THE POWER AND COMMS PCBA. SEE PAGE 5 AND 6 FOR MORE INFORMATION
5. REMOVE 3/4 INCH FITTING FROM THE MANIFOLD (CHILLED WATER OUT)
6. REMOVE THE 1/4 INCH TUBE FROM THE WATER PUMP (CONNECTION FROM CHILLER WATER TANK)
7. REMOVE THE CONNECTION FROM THE PRESSURE REGULATOR TO THE COLD TANK LID (CONNECTION TO WATER TANK LID)
8. REMOVE THE THREE RETAINING SCREWS FROM THE MANIFOLD
9. PULL THE MANIFOLD FORWARDS UNTIL THE ASSEMBLY IS LOOSE
10. DISCONNECT THE MAINS WATER INLET TUBE FROM THE MANIFOLD ASSEMBLY (MAIN WATER INLET 1/4 INCH ELBOW PUSH FIT STEM)

NOTES:

ENSURE THE ORIENTATION ARROWS ARE IN THE SAME ORIENTATION AS THIS DRAWING.
FOR ANY ELECTRICAL WIRING ROUTES AND CONNECTIONS SEE PAGE 05 AND 06 FOR CONNECTION DETAILS

WATER PUMP - NOTE THIS IS ATTACHED WITH TWO - WATER PUMP SCREWS

WATER CONTACT FITTINGS KIT - 10077348

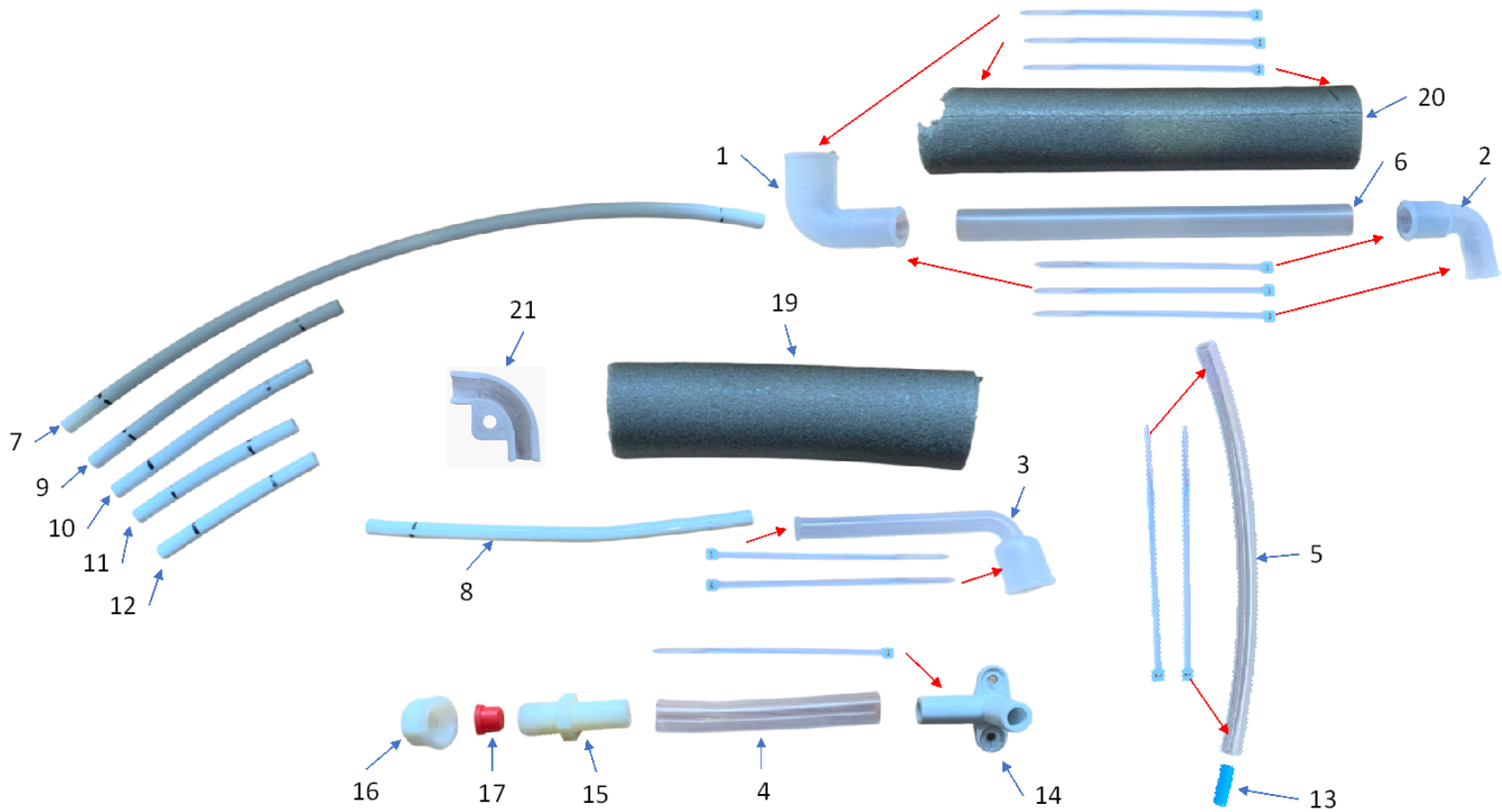


NOTE:
ITEM 10 AND 11 SHOULD BE FITTED TO THE INTERNAL CHASSIS SIDE OF THE BULK HEAD FITTINGS

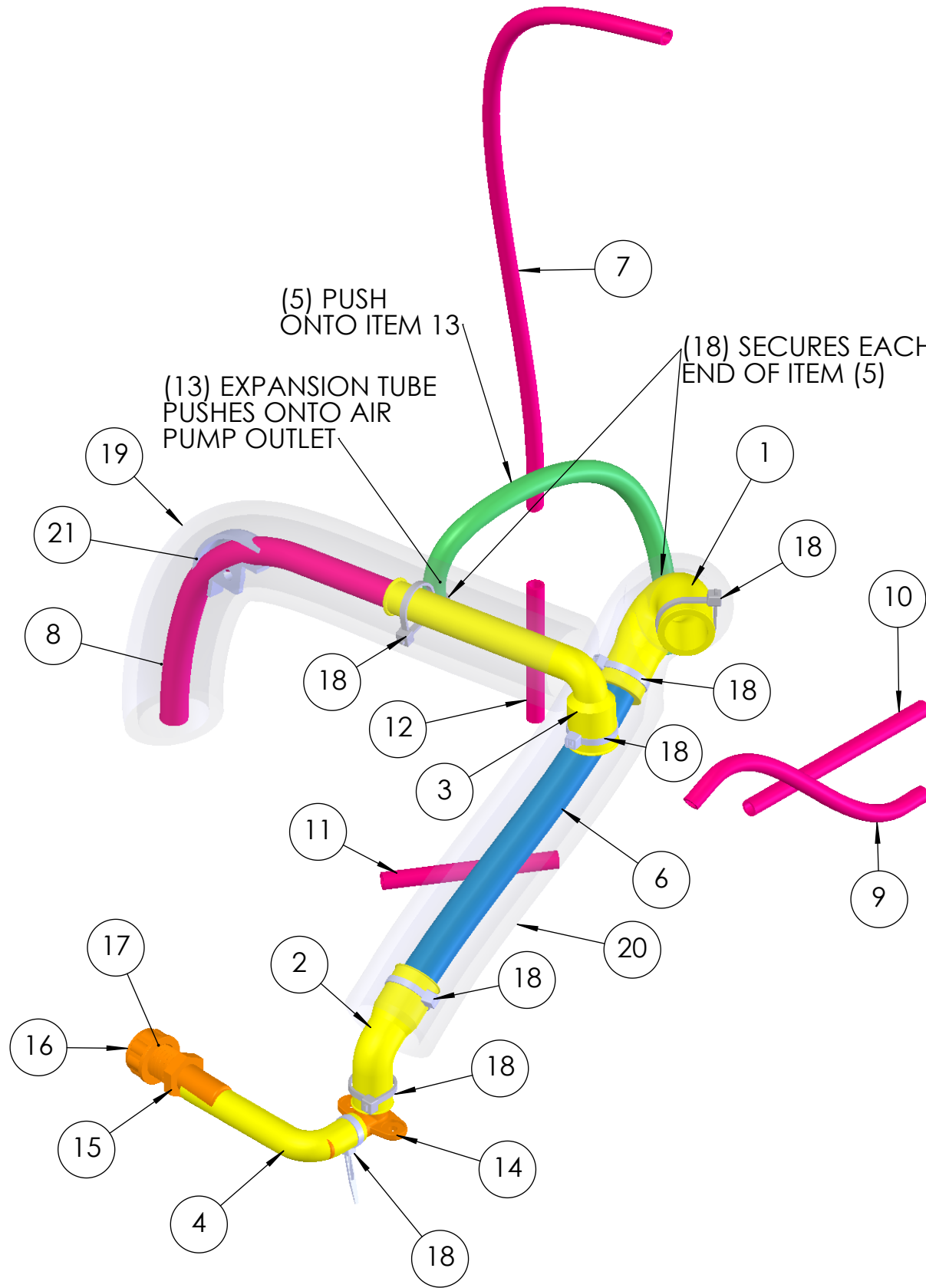
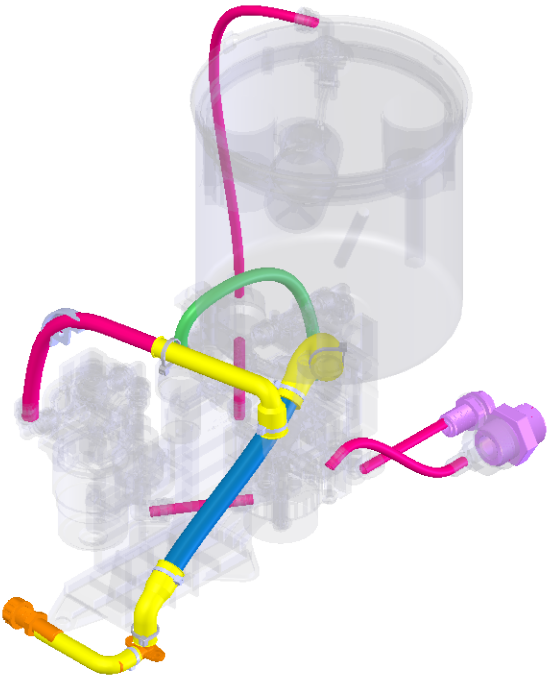
ITEM No.	DESCRIPTION	QTY.
1	3.4 INCH TO 1.4 INCH PUSH FIT ELBOW	1
2	FLOW REDUCTION PUSH FIT	2
3	3.4 INCH BULK HEAD FITTINGS	1
4	3.4 INCH BSP INLET VALVE	2
5	1.4 INCH BULK HEAD PUSH FIT	1
6	STEM ELBOW - 0.25 INCH	7
7	EQUAL ELBOW - 0.25 INCH	2
8	1.4 INCH ANTI TAMPER CLIPS	16
9	3.4 INCH ANTI TAMPER CLIP	1
10	1.4 INCH BULK HEAD PUSH FIT SEAL	1
11	3.4 INCH BULK HEAD U310 SEAL	1

HOSES AND TUBES KIT - 10077345

NOTES:
FOUR CABLE TIES TO BE USED TO SECURE ITEMS 19 AND 20 (ONE EACH END)
NOT SHOWN BELOW

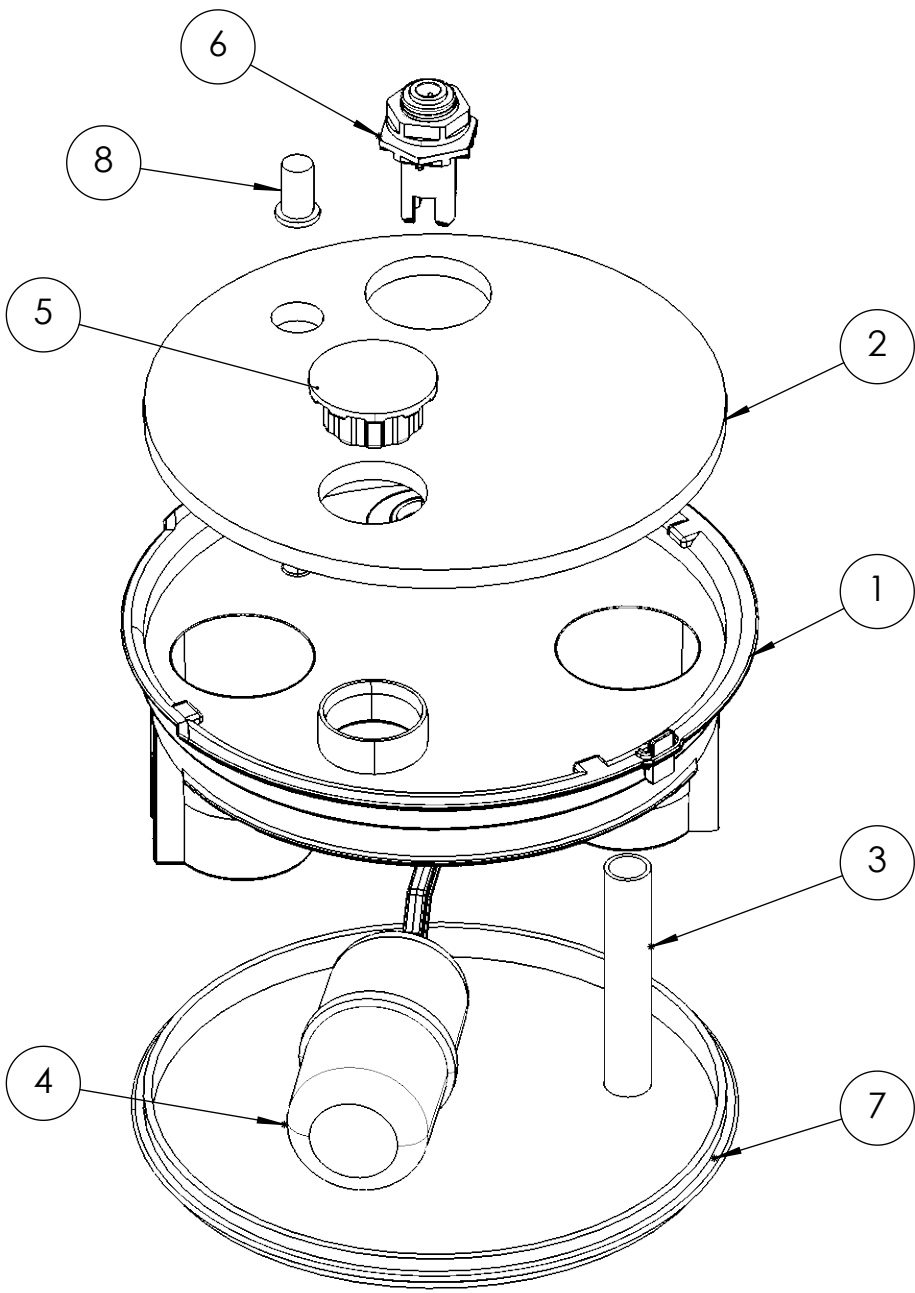


ITEM NO.	DESCRIPTION	COMPONENT CONNECTION	TUBE LENGTH (mm)	QTY.
1	RIGHT ANGLE MOULDING 15MM TO 13MM			1
2	RIGHT ANGLE MOULDING 13MM TO 10MM			1
3	RIGHT ANGLE MOULDING 13.5MM TO 6.35MM			1
4	SILICONE HOSE 11MM OD 8.5MM ID	TANK DRAIN TUBE MOUNT	(77)	1
5	SILICONE HOSE 8MM OD 5MM ID	AIR PUMP	(219)	1
6	RIGID TUBE 13MM OD 11MM ID	RIGHT ANGLE MOULDING 15MM TO 13MM	(165)	1
7	1.4 INCH TUBE	COLD TANK LID BULKHEAD CONNECTOR	(302)	1
8	1.4 INCH TUBE	RIGHT ANGLE MOULDING 13.5MM TO 6.35MM	(152)	1
9	1.4 INCH TUBE	3/4 INCH INLET VALVE - TOOL TIGHT	(117)	1
10	1.4 INCH TUBE	1/4 INCH BULK HEAD PUSH FIT	(91)	1
11	1.4 INCH TUBE	1/4 INCH STEM TO 1/4 INCH PUSH FIT ELBOW	(72)	1
12	1.4 INCH TUBE	1/4 INCH STEM TO 1/4 INCH PUSH FIT ELBOW	(72)	1
13	AIR PUMP FITTING EXPANSION TUBE	AIR PUMP	(15)	1
14	TANK DRAIN TUBE MOUNT			1
15	TANK DRAIN CAP COUPLING			1
16	DRAIN BUNG CAP			1
17	DRAIN BUNG			1
18	CABLE TIE			11
19	HOSE AND TUBE INSULATION		(150)	1
20	HOSE AND TUBE INSULATION		(200)	1
21	90DEG 1.4 INCH TUBE RETAINING PIECE			1

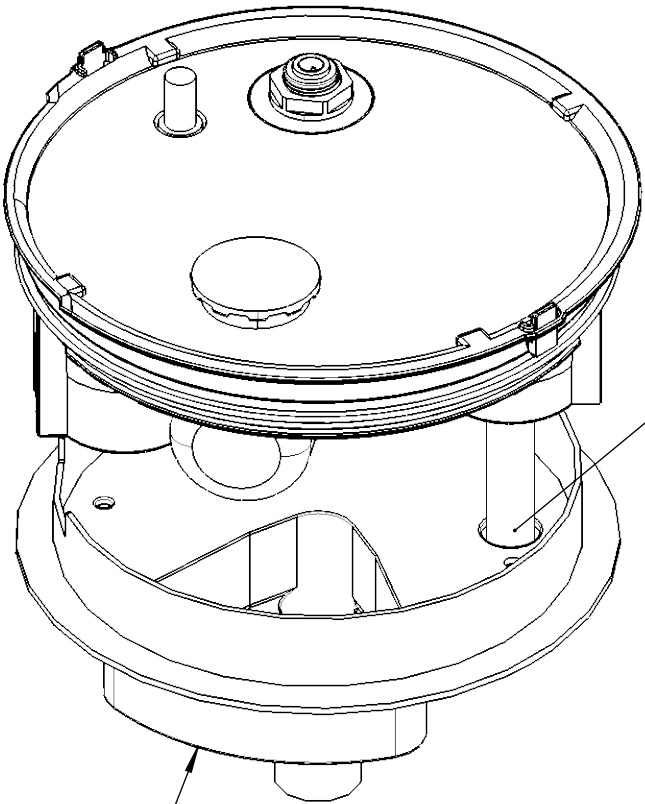


COLD TANK LID ASSEMBLY - 10077343

ITEM No.	DESCRIPTION	QTY.
1	COLD TANK LID	1
2	COLD TANK LID INSULATION	1
3	COLD TANK LID SIPHON	1
4	COLD TANK LID BALL FLOAT	1
5	COLD TANK LID BUNG LARGE	1
6	COLD TANK LID BULKHEAD CONNECTOR	1
7	COLD TANK LID SILICONE SEAL	1
8	COLD TANK LID BUNG SMALL	1

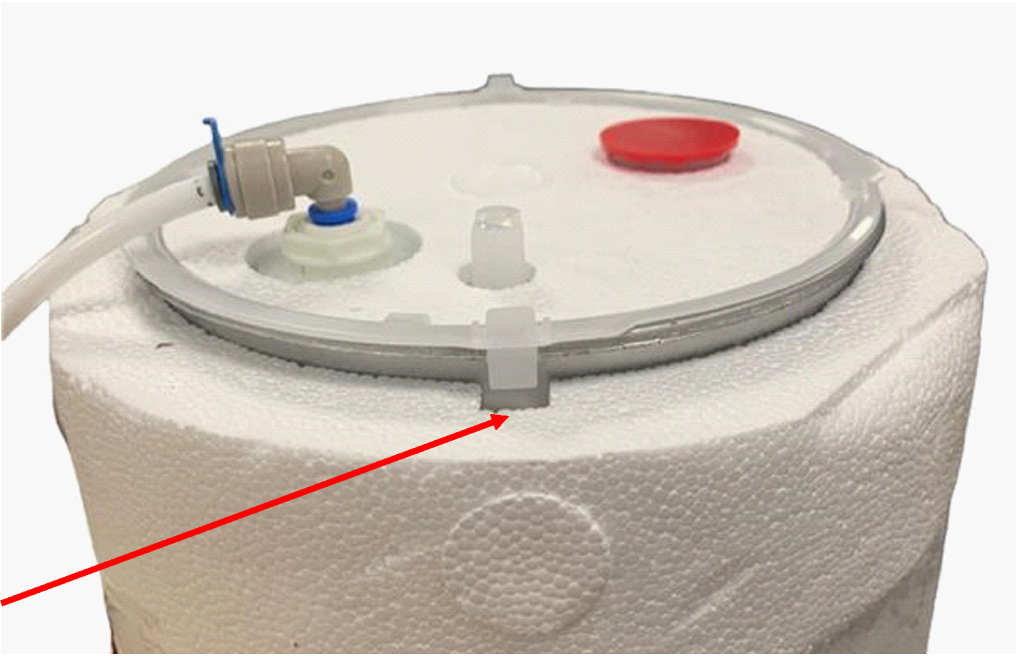


COLD TANK BAFFLE NOT INCLUDED IN THIS KIT

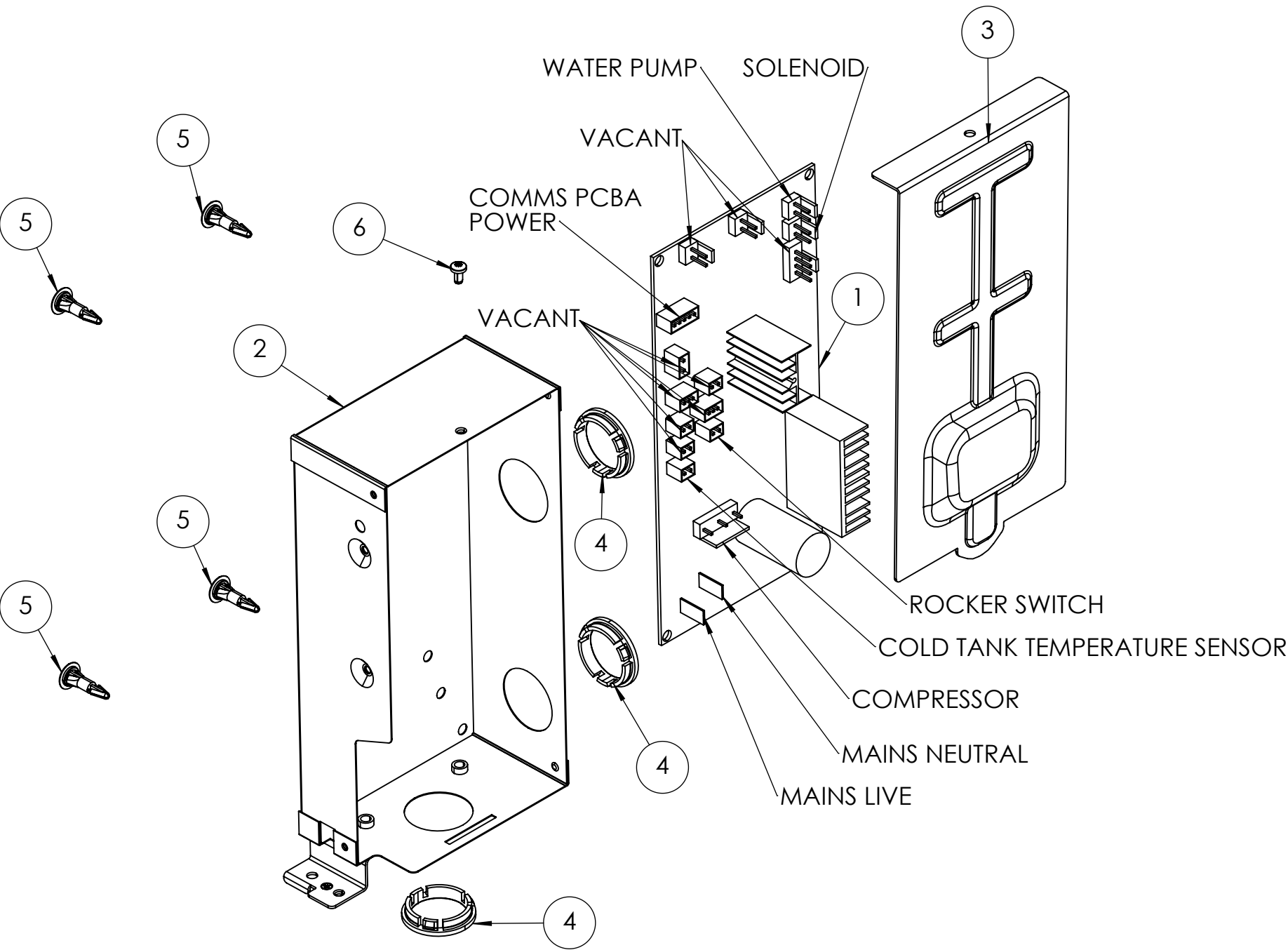


ALIGN ITEM 4 WITH HOLE IN COLD TANK BAFFLE

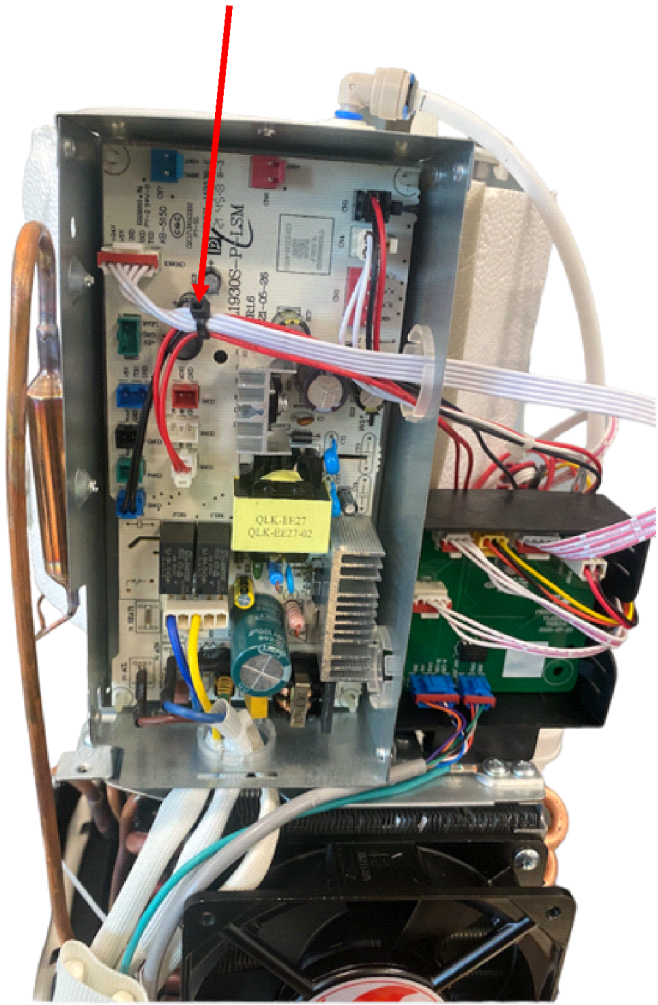
S
ALIGN CLIP WITH CUTOUT AND CONFIRM BALL FLOAT FUNCTION IN ISOLATION



POWER PCBA ASSEMBLY - 10077346



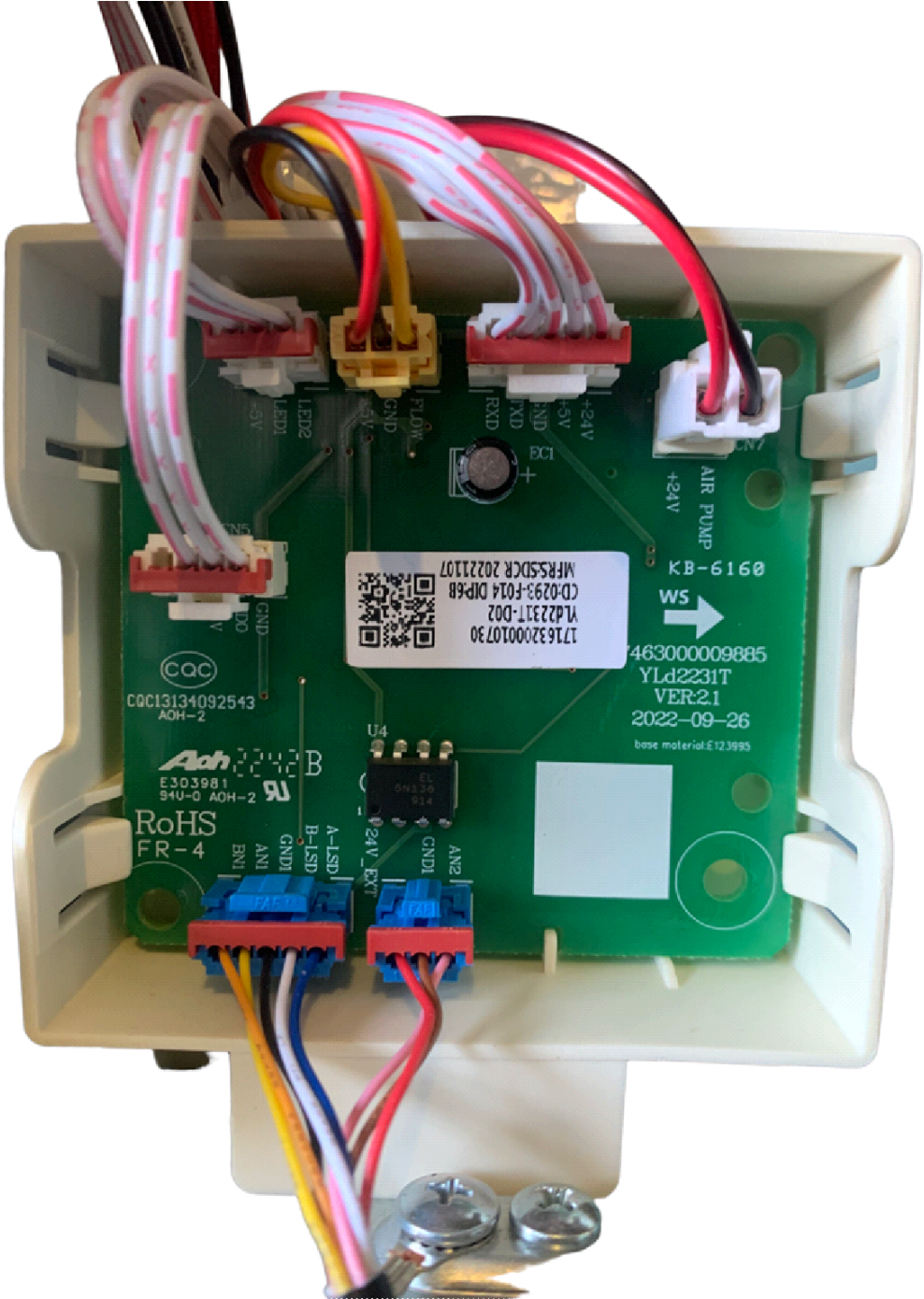
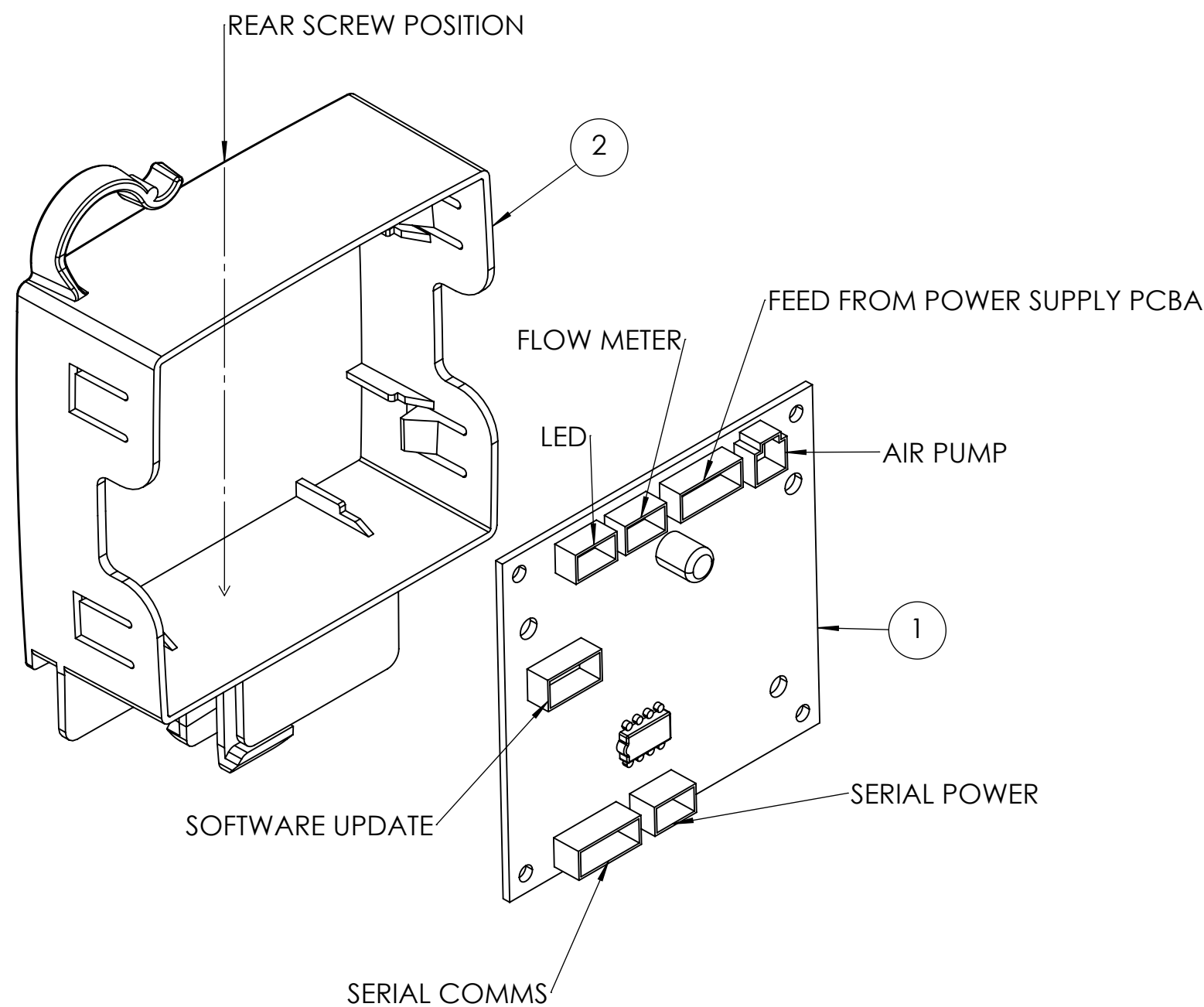
C USE CABLE TIES TO CONTROL WIRE ROUTING AS SHOWN



ITEM No.	DESCRIPTION	QTY.
1	POWER SUPPLY PCBA	1
2	POWER SUPPLY PCBA CASE	1
3	POWER SUPPLY PCBA LID	1
4	POWER SUPPLY PCBA GROMMETS	1
5	POWER SUPPLY PCBA STAND-OFF	1
6	SCREW SELF TAPPING M3 X 6 PAN HD POZI	1

- NOTES:
- ALL THE CONNECTORS ARE APPROPRIATELY COLOURED ON THE MALE LOOM SIDE AND THE FEMALE SIDE ON THE PCBA.
 - TO BE ABLE TO REMOVE THE POWER PCBA ASSEMBLY YOU WILL FIRSTLY NEED TO REMOVE THE COMMS PCBA ASSEMBLY. DO NOT ATTEMPT TO REMOVE THE PCBA DIRECTLY

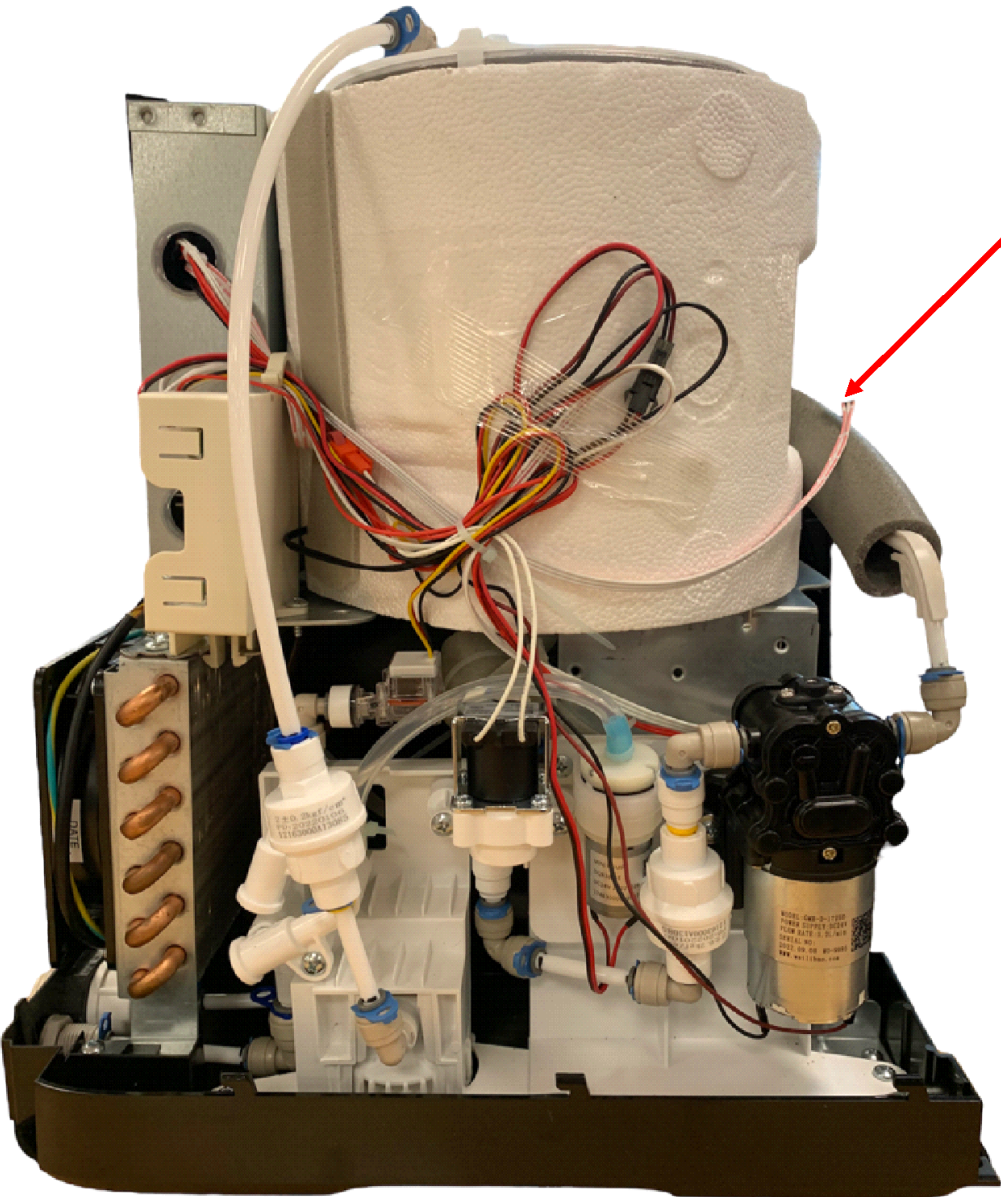
COMMS PCBA ASSEMBLY - 10077347



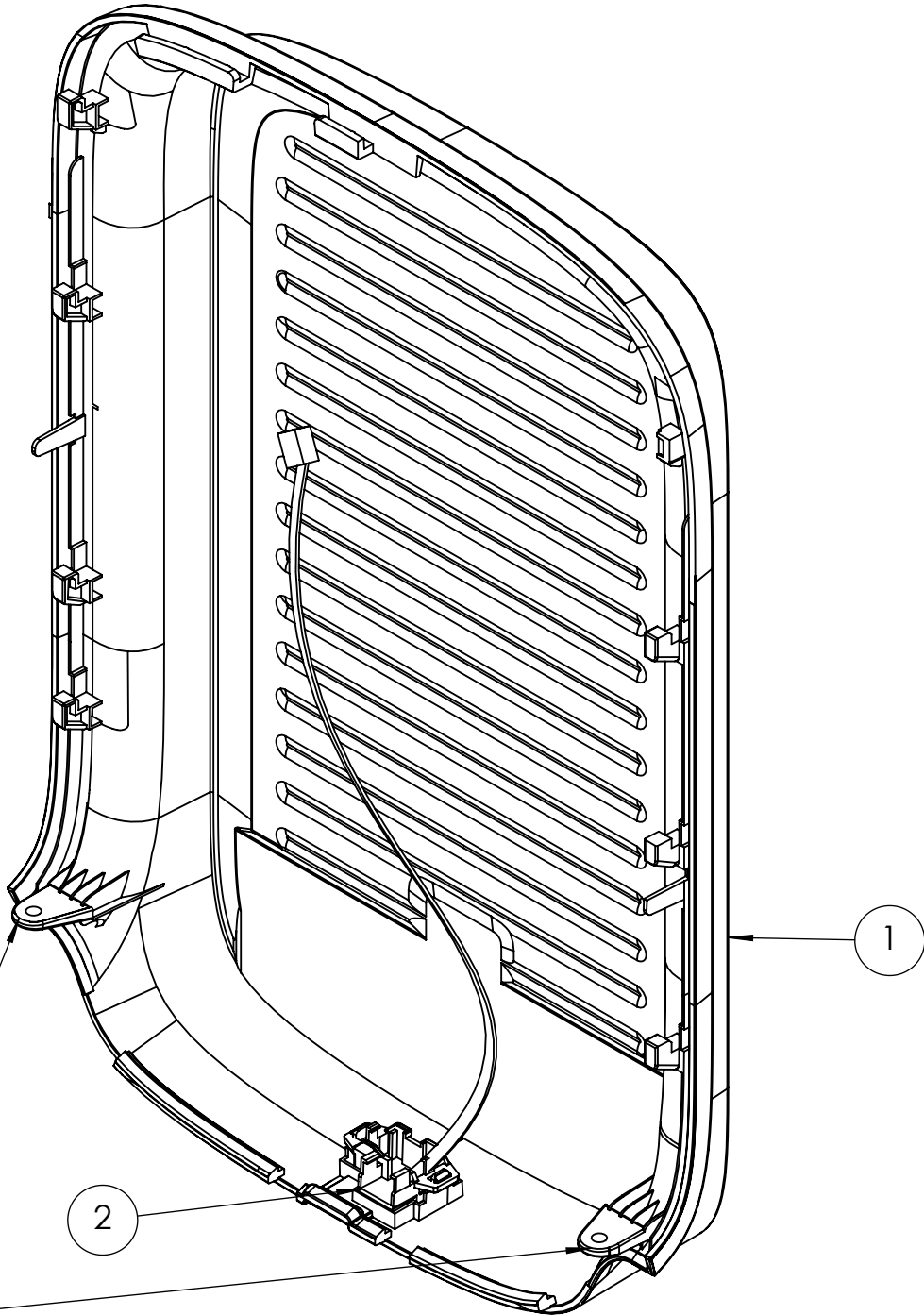
ITEM No.	DESCRIPTION	QTY.
1	COMMS PCBA	1
2	COMMS PCBA CASE	1

- NOTES:
- TO REMOVE SUBASSEMBLY TURN CHILL REFRESH AROUND AND WORK FROM THE BACK
1. REMOVE SCREW AT THE REAR OF THE COMMS PCBA CASE
 2. DISCONNECT ALL THE ELECTRICAL CONNECTIONS
 3. SLIDE THE ASSEMBLY TO THE RIGHT

TOP COVER ASSEMBLY - 10077338



LED LOOM ATTACHES TO
MAINS WIRING HARNESS HERE

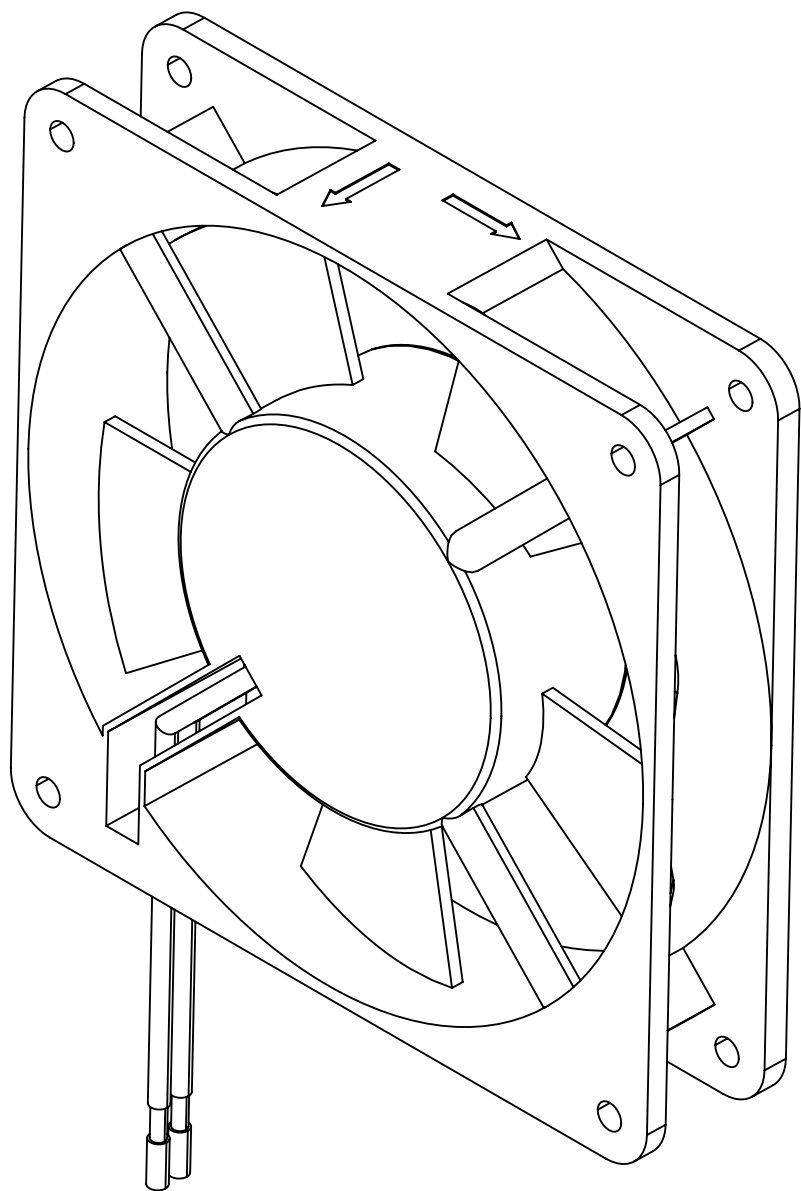


RETAINING SCREWS

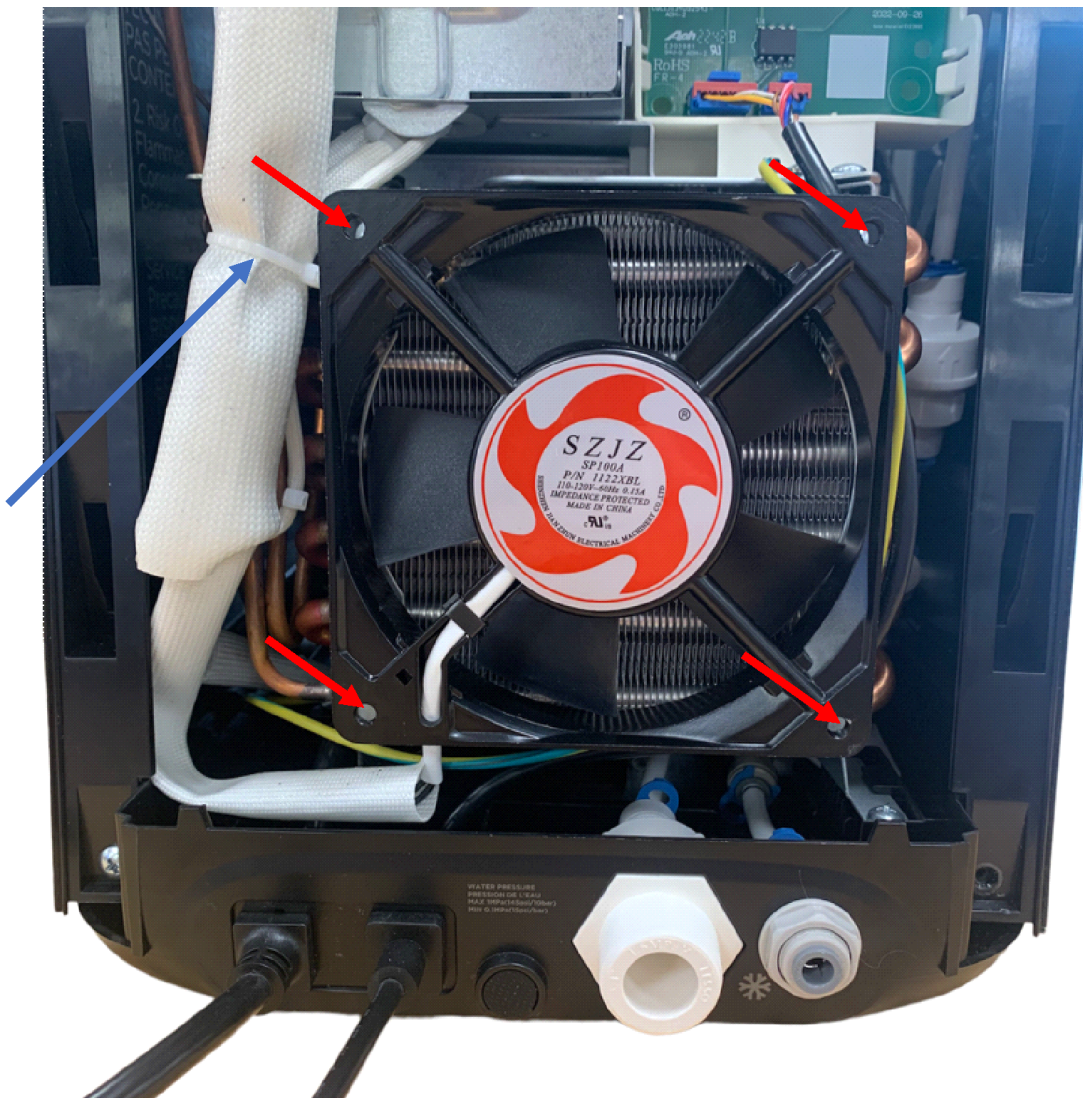
- NOTES:
TO REMOVE THE TOP COVER ASSEMBLY:
- 1. REMOVE THE FRONT COVER
 - 2. DISCONNECT THE LED LOOM
 - 3. REMOVE THE RETAINING SCREWS
 - 4. SLIDE THE TOP COVER FORWARD

ITEM No.	DESCRIPTION	QTY.
1	TOP COVER	1
2	LED PCBA AND LOOM	1

COOLING FAN - 10077362

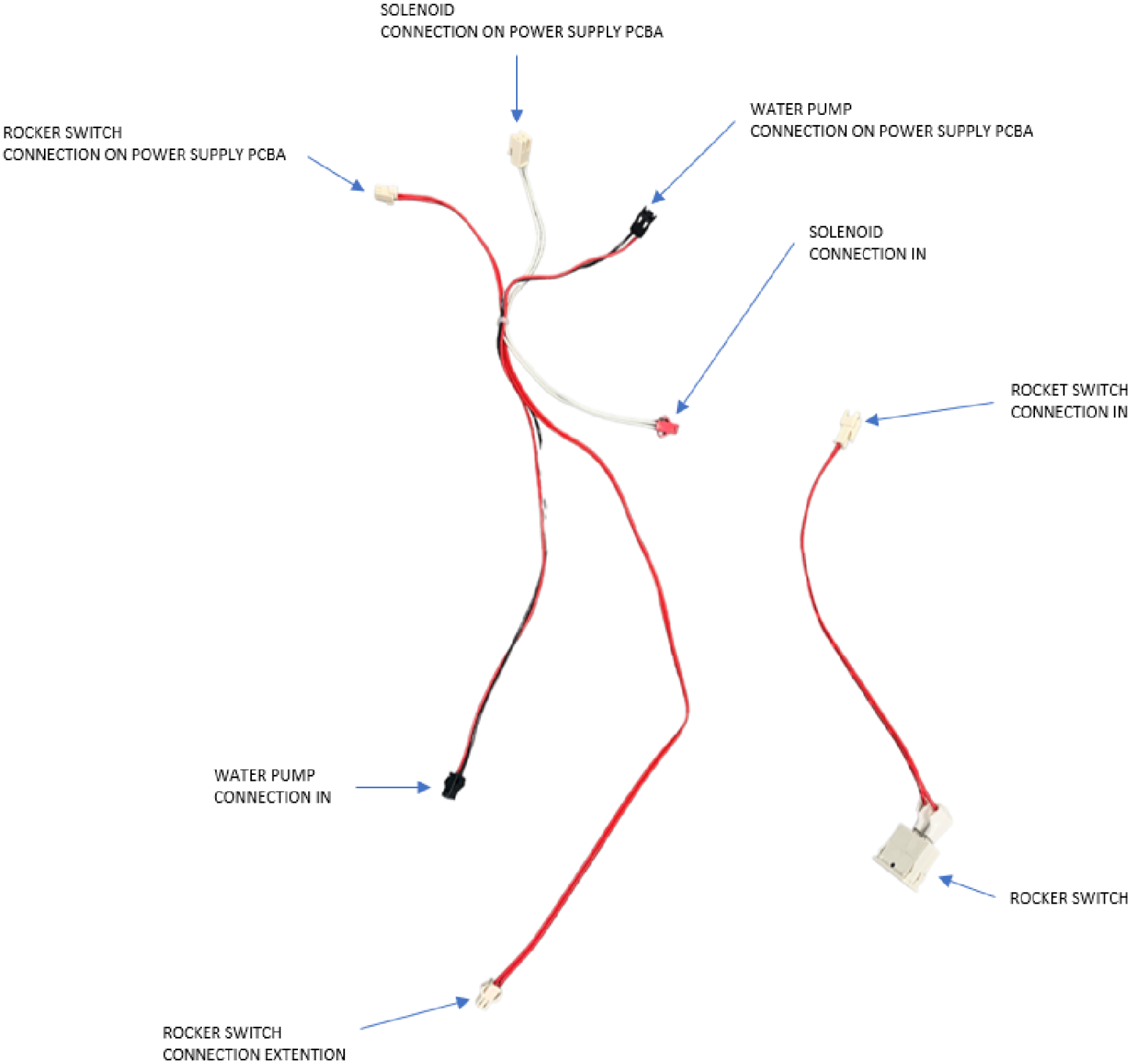


TO ACCESS THE CONNECTION
FOR THE FAN THIS CABLE TIE
WILL NEED TO BE CUT



NOTES:
THERE ARE FOUR SCREWS HOLDING THE FAN ONTO THE RADIATOR THAT NEED TO BE REMOVED IN ORDER TO REMOVE THE FAN USE A SMALL SHANK SCREWDRIVER USED TO REMOVE THESE SCREWS.

ROCKER SWITCH ASSEMBLY - 10077350



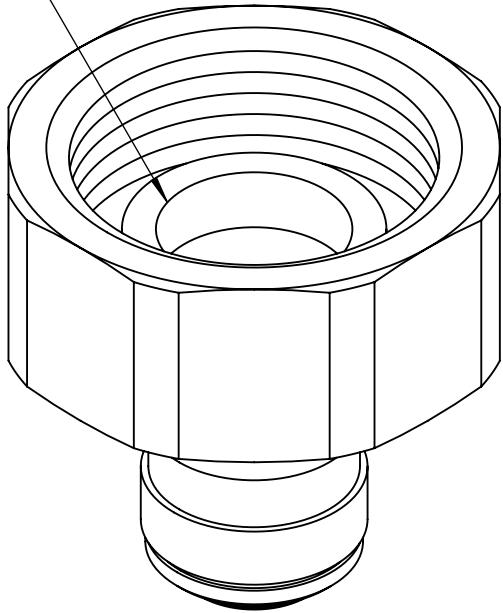
ITEM No.	DESCRIPTION	QTY.
1	ROCKER SWITCH	1
2	ROCKER SWITCH LOOM	1

CHILL REFRESH INSTALLATION KIT FOR C300 - 10077342

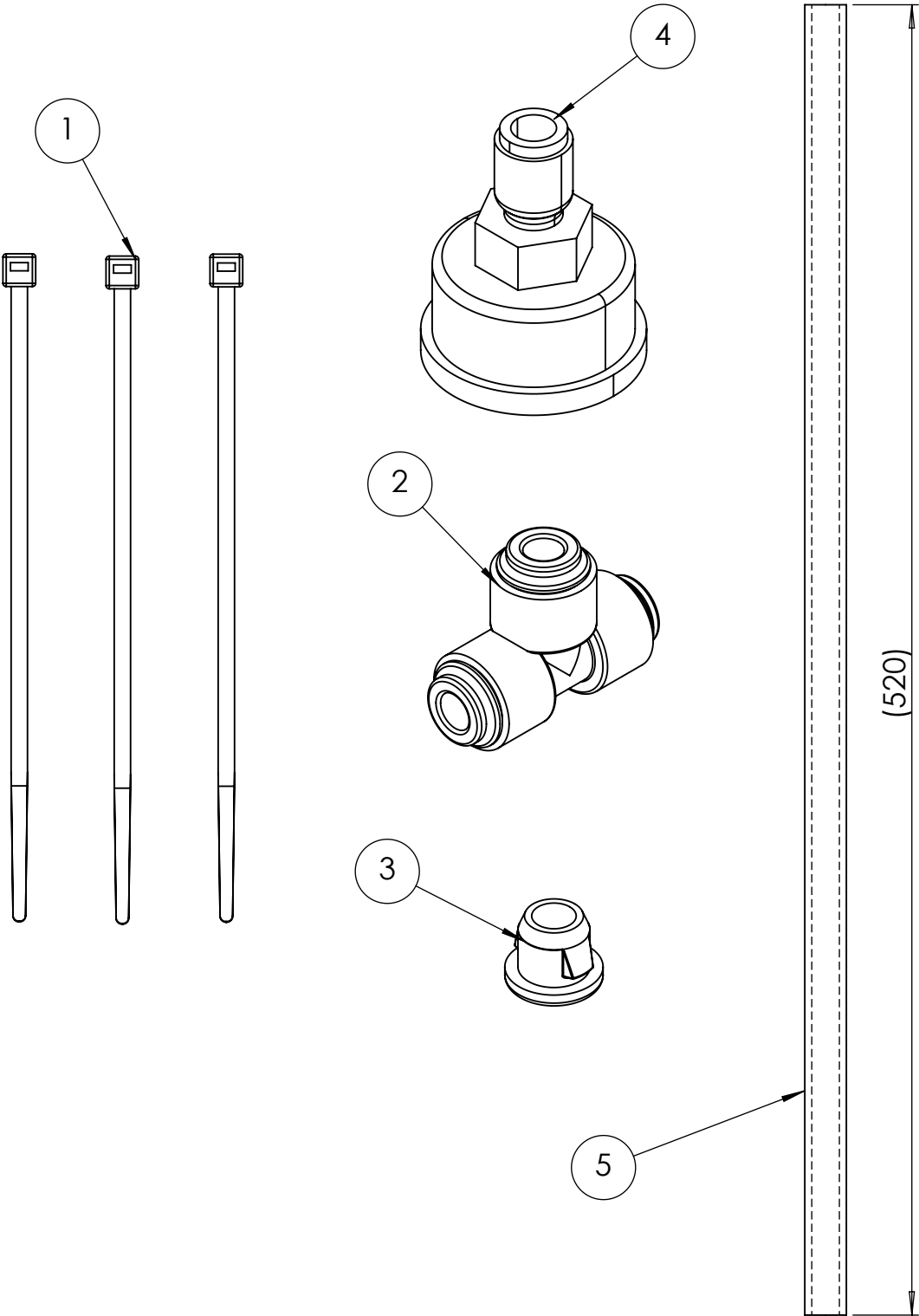
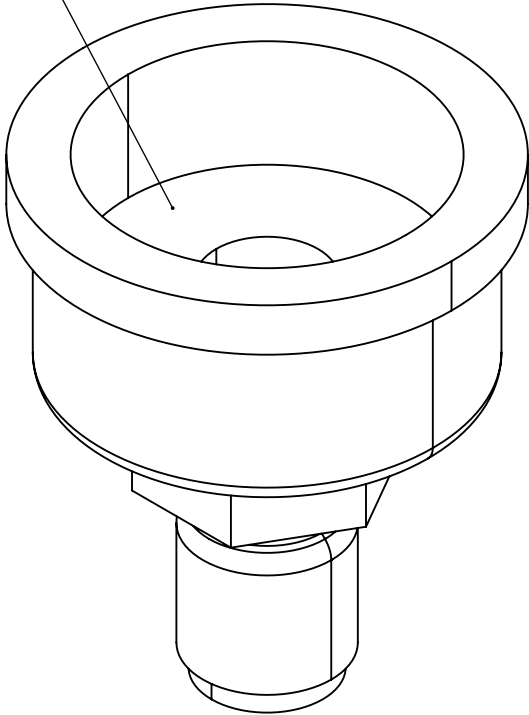
ITEM No.	DESCRIPTION	QTY.
1	CABLE TIE	3
2	1.4 INCH PUSH FIT TEE	1
3	RUBBER GROMET	1
4	3.4 INCH BSP INLET VALVE	1
5	1.4 INCH TUBE	1

IF USING AN ALTERNATIVE TO ITEM 4,
ENSURE THAT IT IS COMPATABLE WITH
CHILL REFRESH.

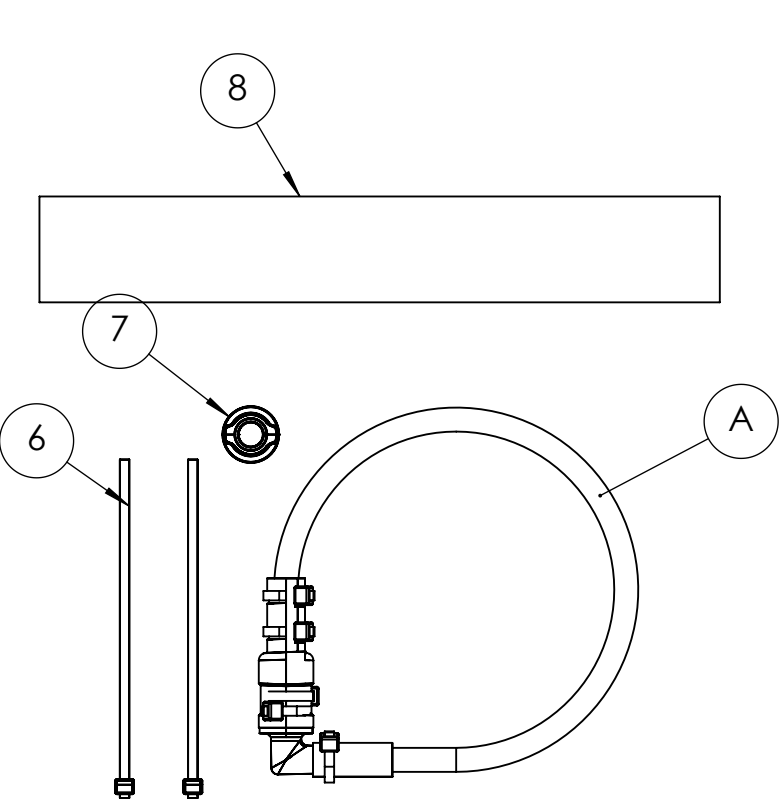
3/4 INCH BSP CONNECTOR
WITH CIRCULAR RIB IS NOT
COMPATABLE WITH CHILL
REFRESH



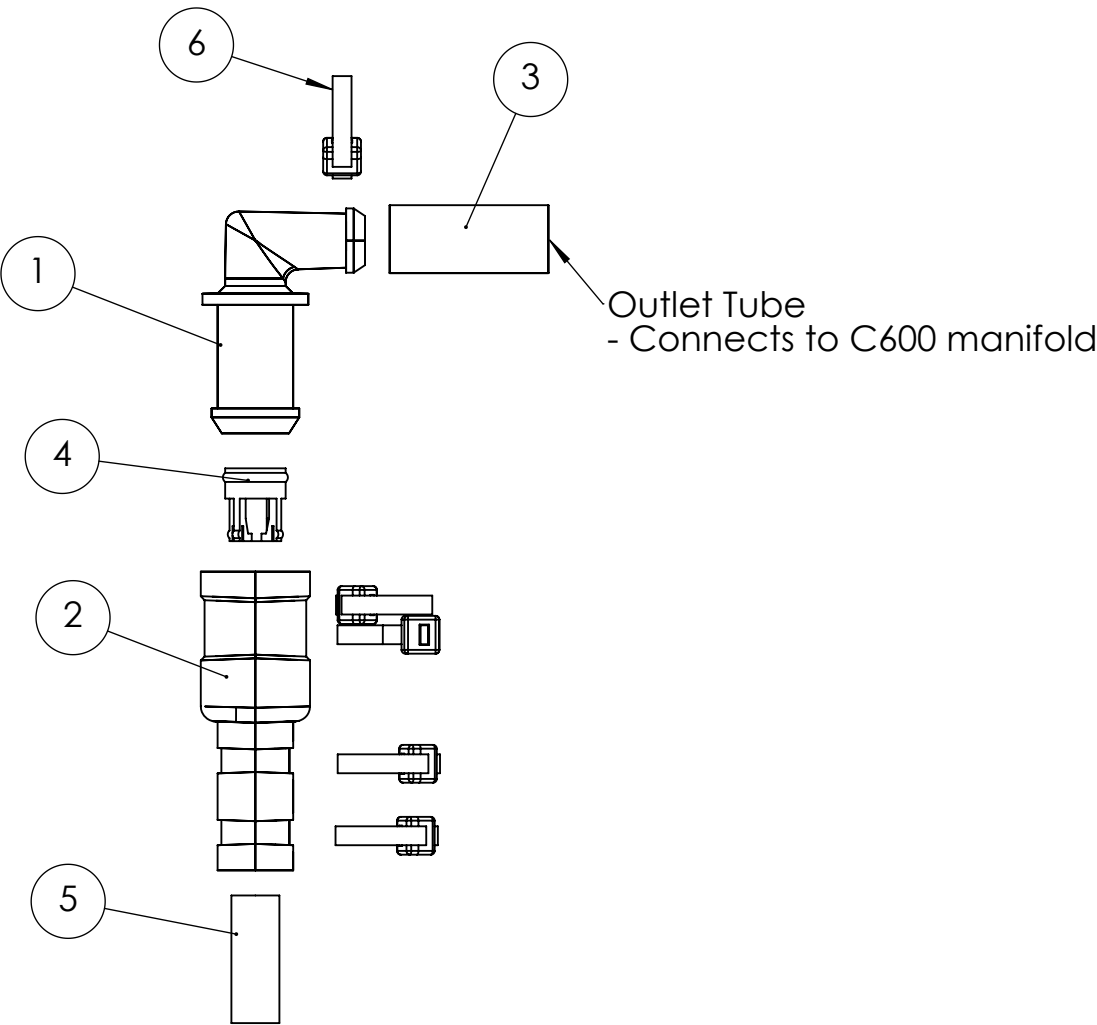
3/4 INCH BSP CONNECTOR
WITHOUT CIRCULAR RIB (AS PER
ITEM 4) IS COMPATABLE WITH
CHILL REFRESH



CHILL REFRESH INSTALLATION KIT FOR C600 - 10072413



Note:
1. Sub-Assembly A is shown on the right in exploded view

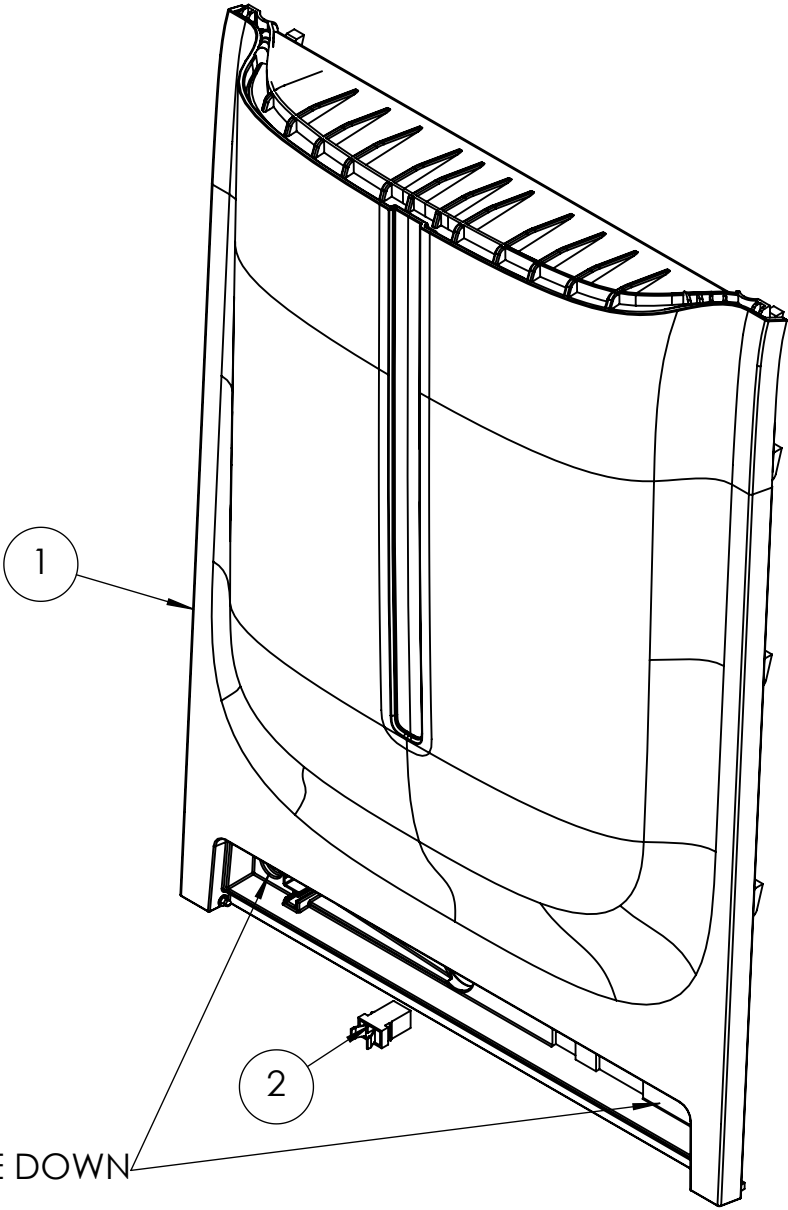


SUB-ASSEMBLY A
SCALE 1:1

ITEM No.	PART No.	DESCRIPTION	QTY.
1	S010022-CW1	Right Angle Carrier	1
2	7.30.00479	Pipe Connector Reducer	1
3	7.70.00061	Outlet Tube - 5mm ID, 9mm OD 22m	1
4	7.82.00062	Check Valve - 8mm	1
5	MQ18001-CW1	Extruded Nylon - 1/4 inch 685mm	1
6	7.20.00128	Cable Tie - 100mm x 2.5mm	7
7	7.30.00497	Grommet	1
8	7.70.00394	Superlon 3/8 ID x 3/8 TK Insulation - 180mm	1

FRONT COVER ASSEMBLY - 10077363

ITEM No.	DESCRIPTION	QTY.
1	FRONT COVER	1
2	DOOR FLAP RETENTION CLIP	1

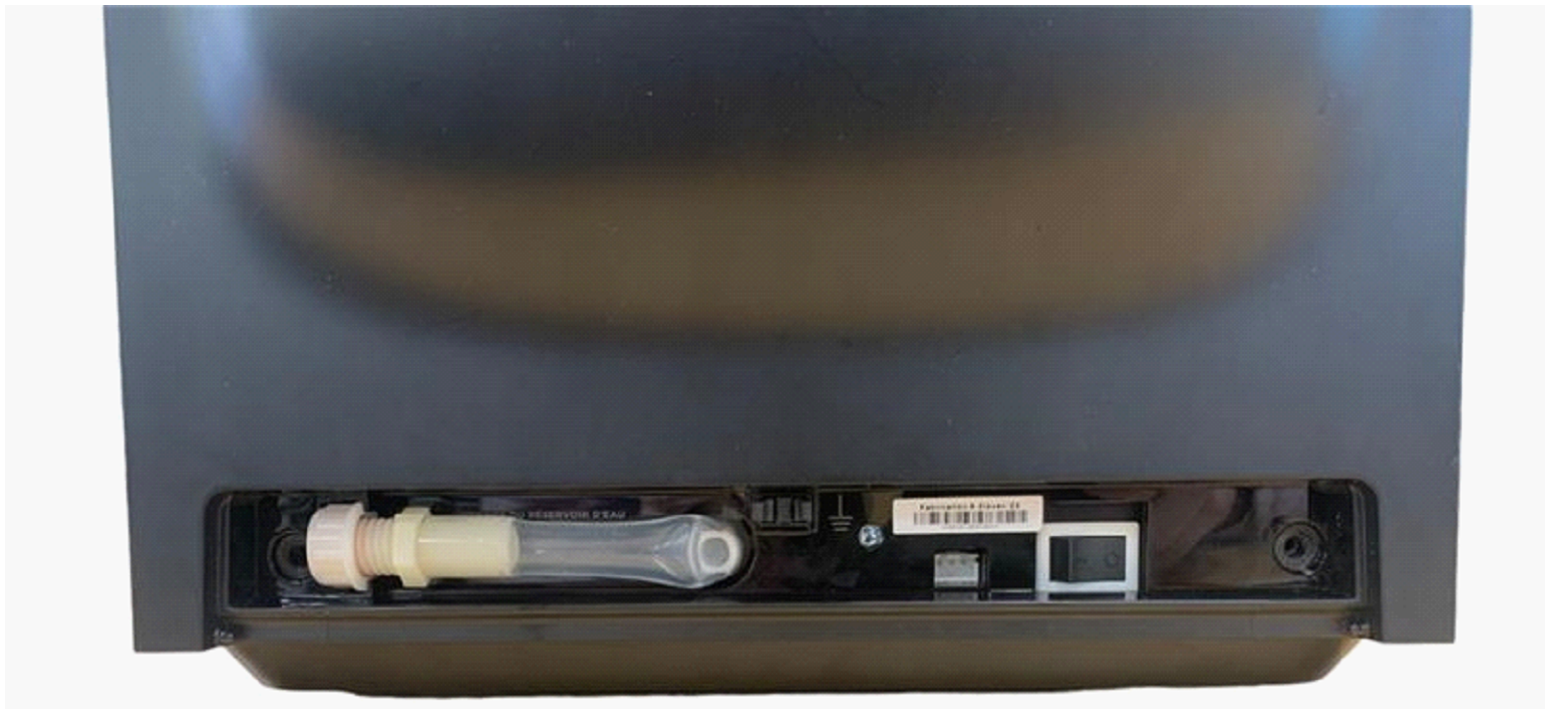


TO REMOVE FRONT COVER:
REMOVE TWO SCREWS AND SLIDE DOWN

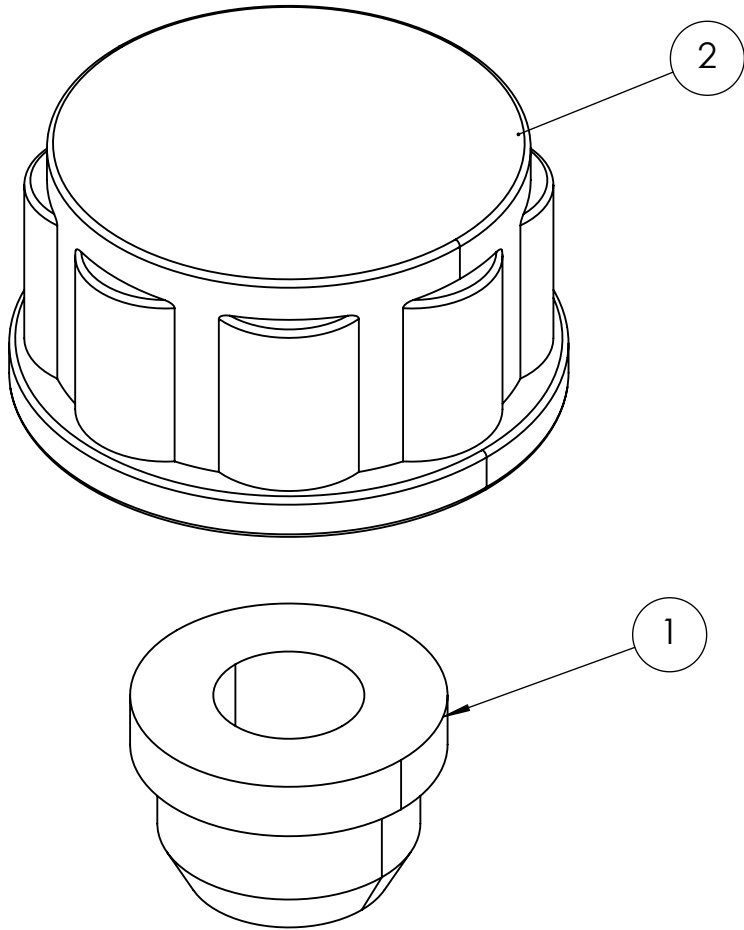
DRAIN BUNG REPLACEMENT KIT - 10077344

ITEM No.	DESCRIPTION	QTY.
1	DRAIN BUNG	1
2	DRAIN BUNG CAP	1

S ENSURE THESE PARTS ARE FITTED AND ARE NOT LEAKING BEFORE RESTORING THE MAINS WATER SUPPLY



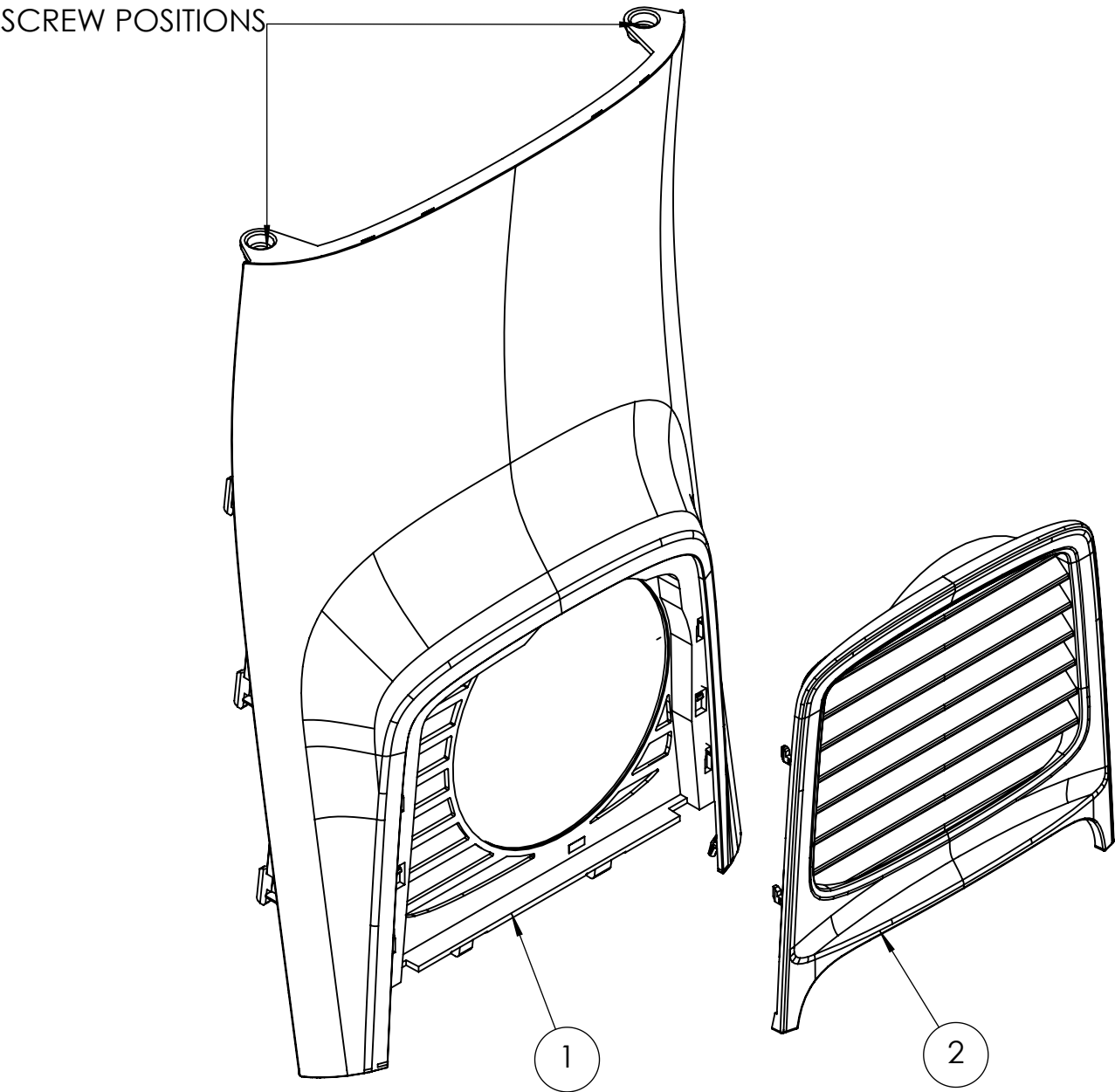
NOTE:
THE DRAIN BUNG SITS UNDER THE DRAIN BUNG CAP IN THIS IMAGE



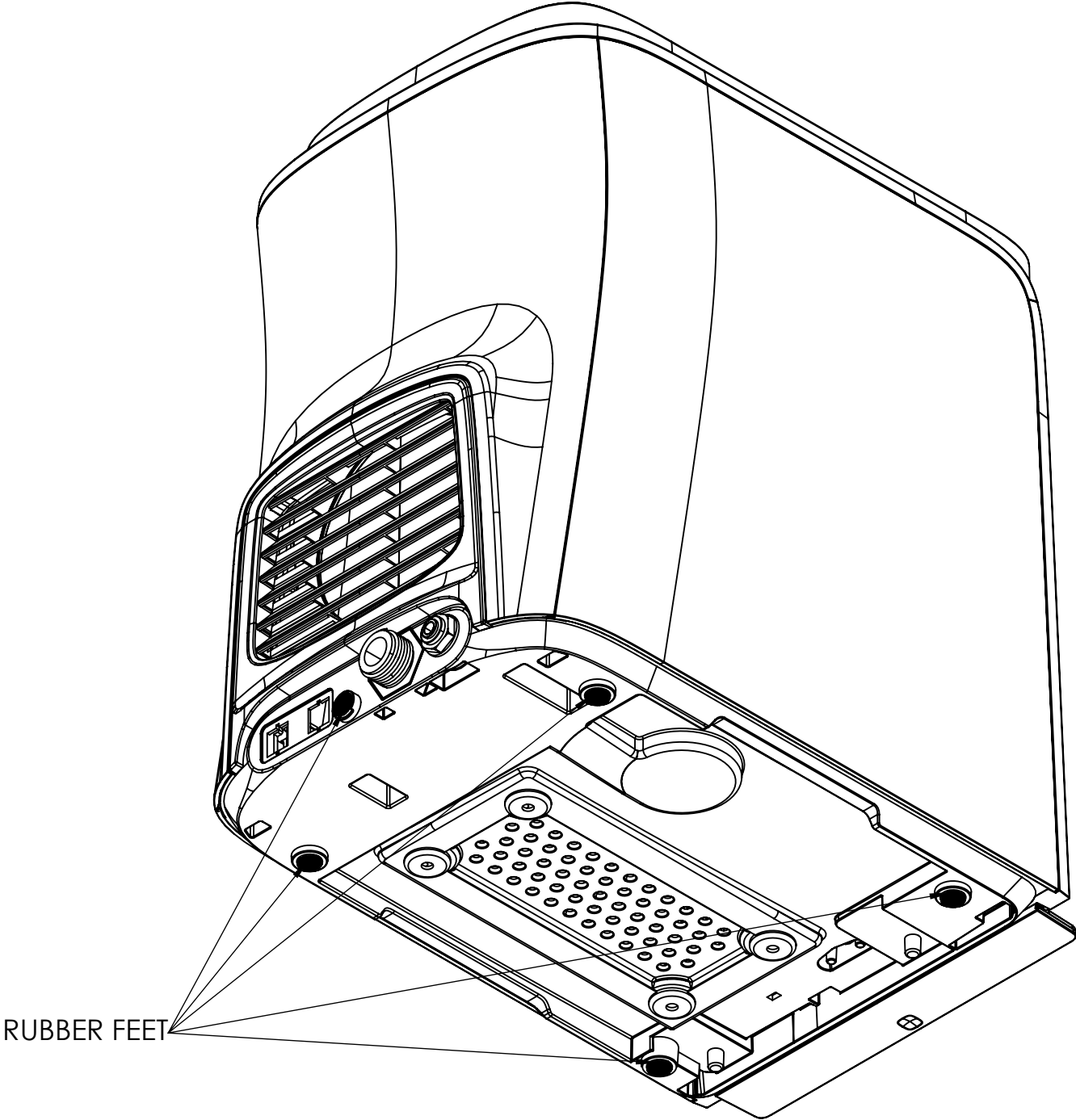
REAR COVER ASSEMBLY - 10077341

- TO REMOVE THE REAR COVER ASSEMBLY:
- 1. REMOVE THE FRONT COVER
 - 2. REMOVE THE TOP COVER ASSEMBLY
 - 3. REMOVE THE HILIGHTED SCREWS
 - 4. SLIDE THE REAR COVER ASSEMBLY UP

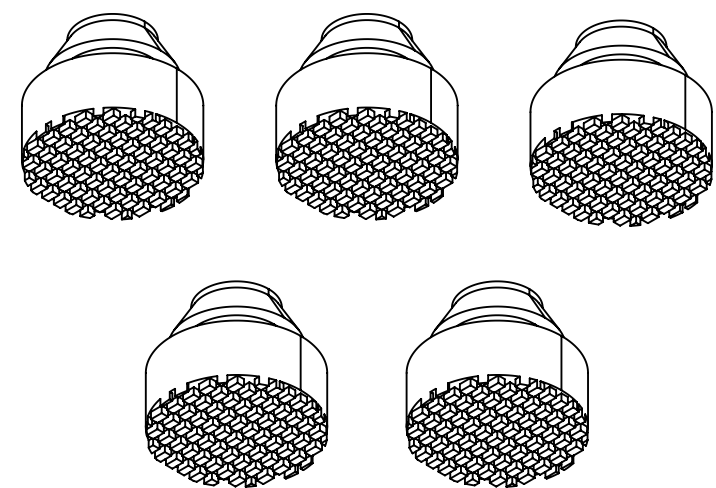
ITEM No.	DESCRIPTION	QTY.
1	REAR COVER LARGE	1
2	REAR COVER SMALL	1



RUBBER FEET KIT - 10077351

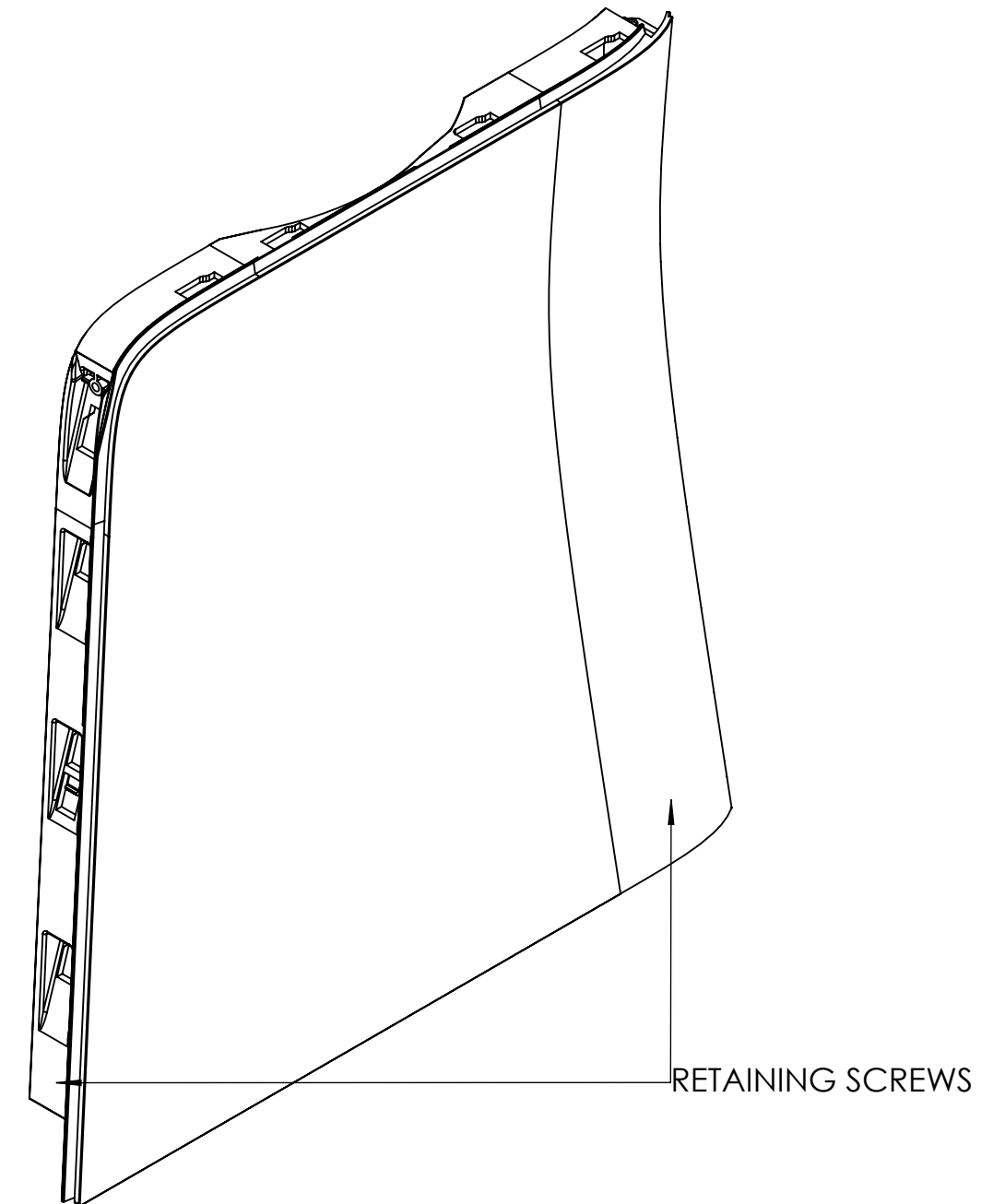
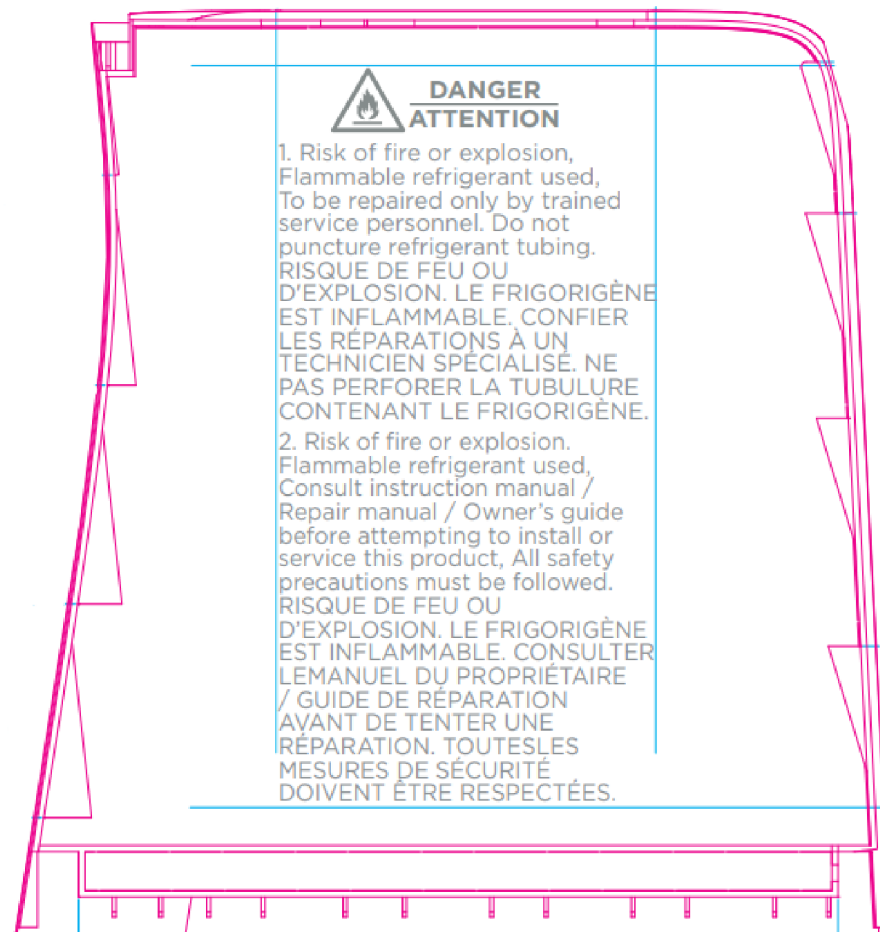


ITEM No.	DESCRIPTION	QTY.
1	RUBBER FEET	5



S ENSURE RUBBER FEET ARE PRESENT IN ALL 5 LOCATIONS
BEFORE RECONNECTING THE MAINS WATER SUPPLY

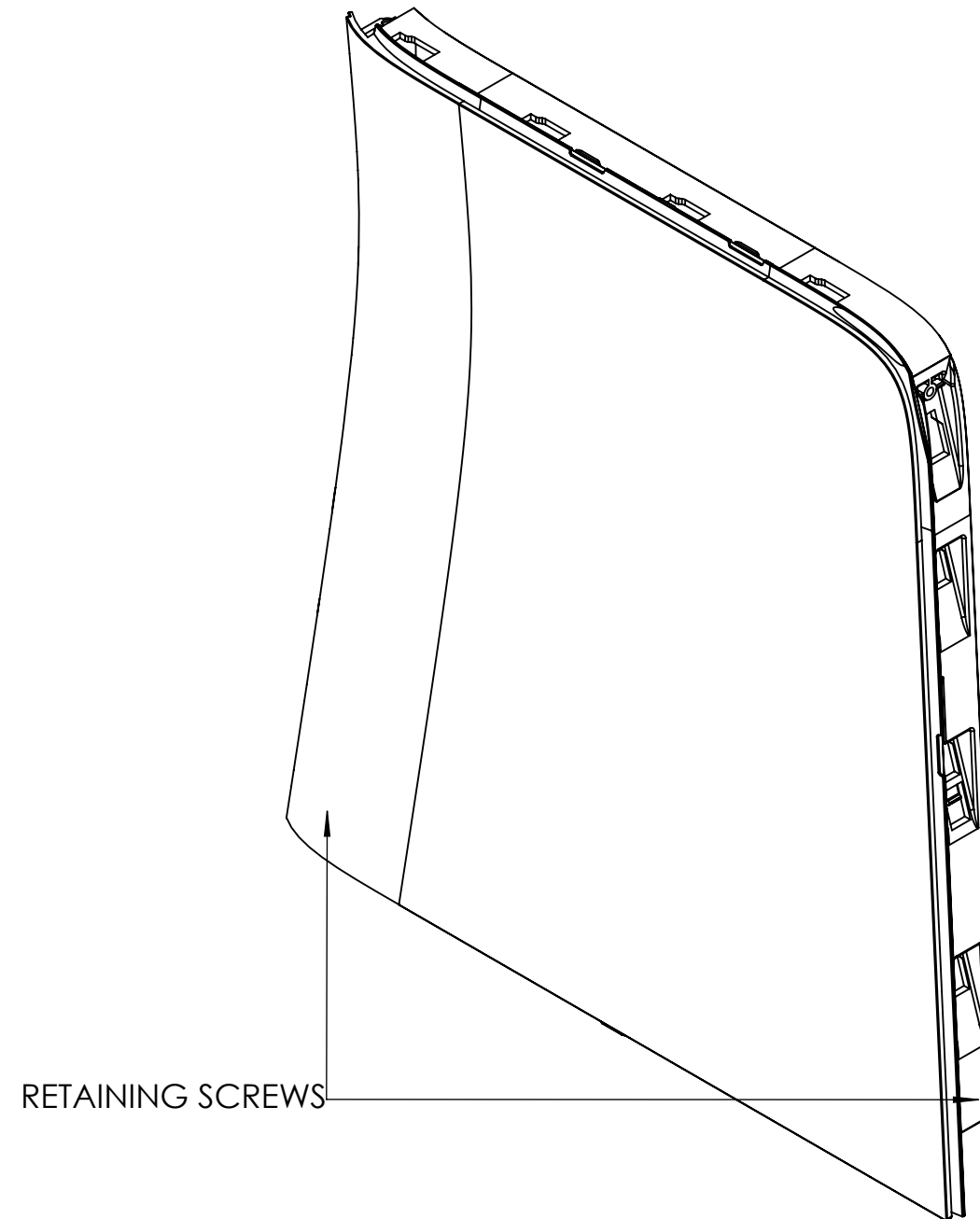
SIDE RIGHT COVER - 10077340



TO REMOVE SIDE COVERS:

1. REMOVE THE FRONT, TOP AND REAR COVERS
2. REMOVE THE HILGHED RETAINING SCREWS
3. SLIDE THE COVER BACKWARDS

SIDE LEFT COVER - 10077339

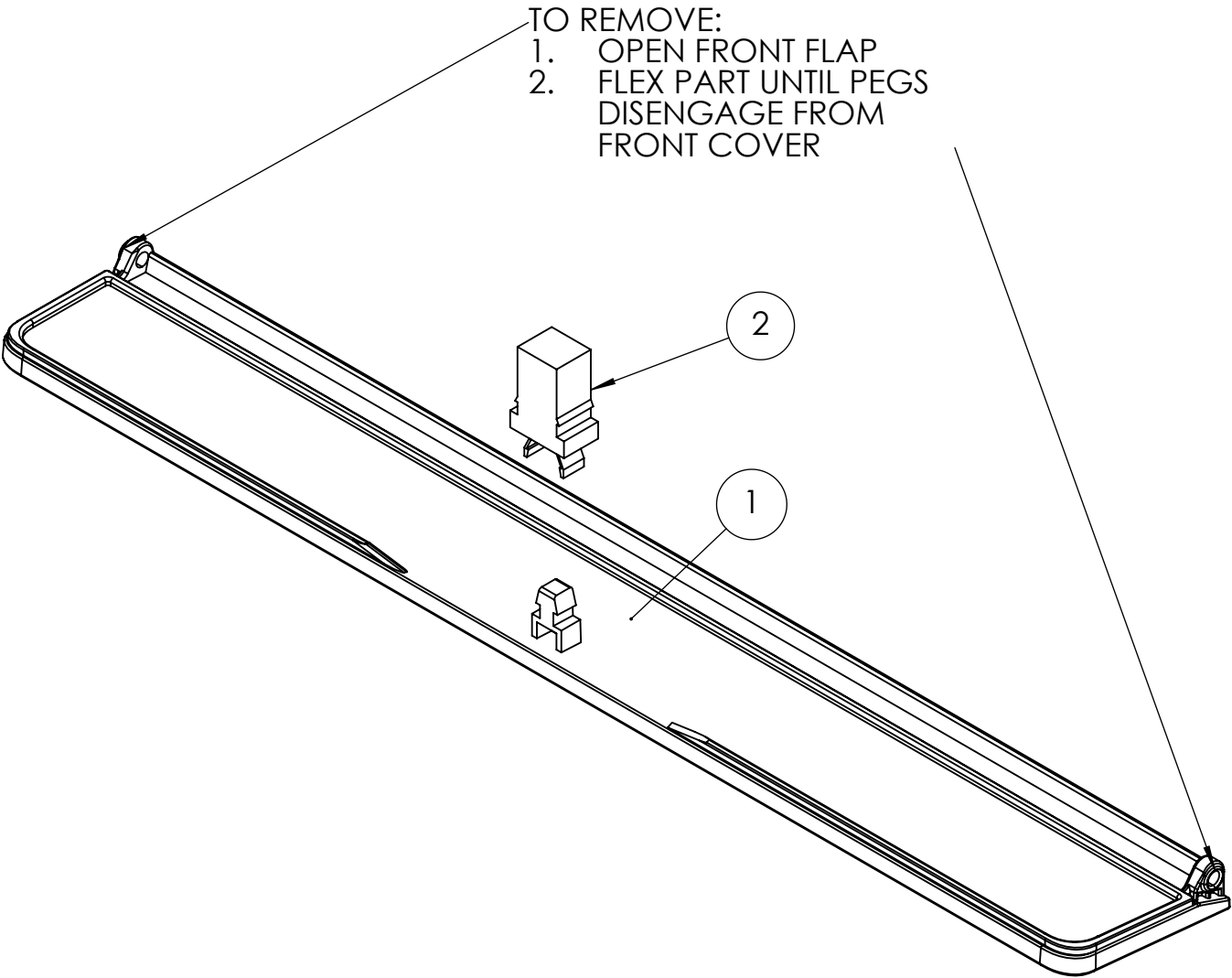


- TO REMOVE SIDE COVERS:
1. REMOVE THE FRONT, TOP AND REAR COVERS
 2. REMOVE THE HILGHED RETAINING SCREWS
 3. SLIDE THE COVER BACKWARDS

DOOR FLAP ASSEMBLY - 10077337

ITEM No.	DESCRIPTION	QTY.
1	DOOR FLAP	1
2	DOOR FLAP RETENTION CLIP	1

IMAGE FOR REFERENCE ONLY.



SANITIZATION KIT - 10072421

ITEM No.	DESCRIPTION	QTY.
1	DOSING CAPSULE	1
2	NON-RETURN VALVE	1

SANITIZATION PROCEDURE SHOWN UNDER SECTION 12 OF DOC-004242 - CHILL refresh Tech Manual

