

Ifo Sign Kits

WELS/WATERMARKED PRODUCT CODE:

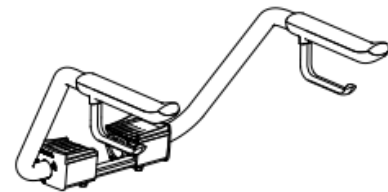
- **6872 Ifo Sign**
(WELS & WaterMark certified for pan and cistern. Used in all Sign kits)



687200009



108.01.0X.XX*



Support arms are available to purchase as an add-on to kits

* X is a placeholder for the numerical kit product code with selected accessory configuration. Refer to section 8, Kit Codes Matrix for full list of kit codes.

SPECIFICATIONS

- P-trap design with a rimless flush.
- Free standing toilet suite.
- Functions as a combined WC and backrest solution. The cistern has been externally tested using a 1100N all-angles thrust test to support functionality as a backrest.
- 460mm increased height toilet pan (excluding toilet seat).
- Allows for undisturbed coving seal.
- Variety of seat styles and support arm configurations available.
- Pan load rated to 400 kg – support arms rated to 150kg total load (75kg per arm).
- Fully glazed on back and inside rim to reduce bacteria growth

IMPORTANT:

*When installing with support arms, the toilet must be fixed firmly to the floor with the floor fixing screws or the floor bracket (included in kits).

WARNINGS: Special attention must be paid to notes, photos, images, or drawings of assembly steps marked with the warning symbol.



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1 TECHNICAL DATA

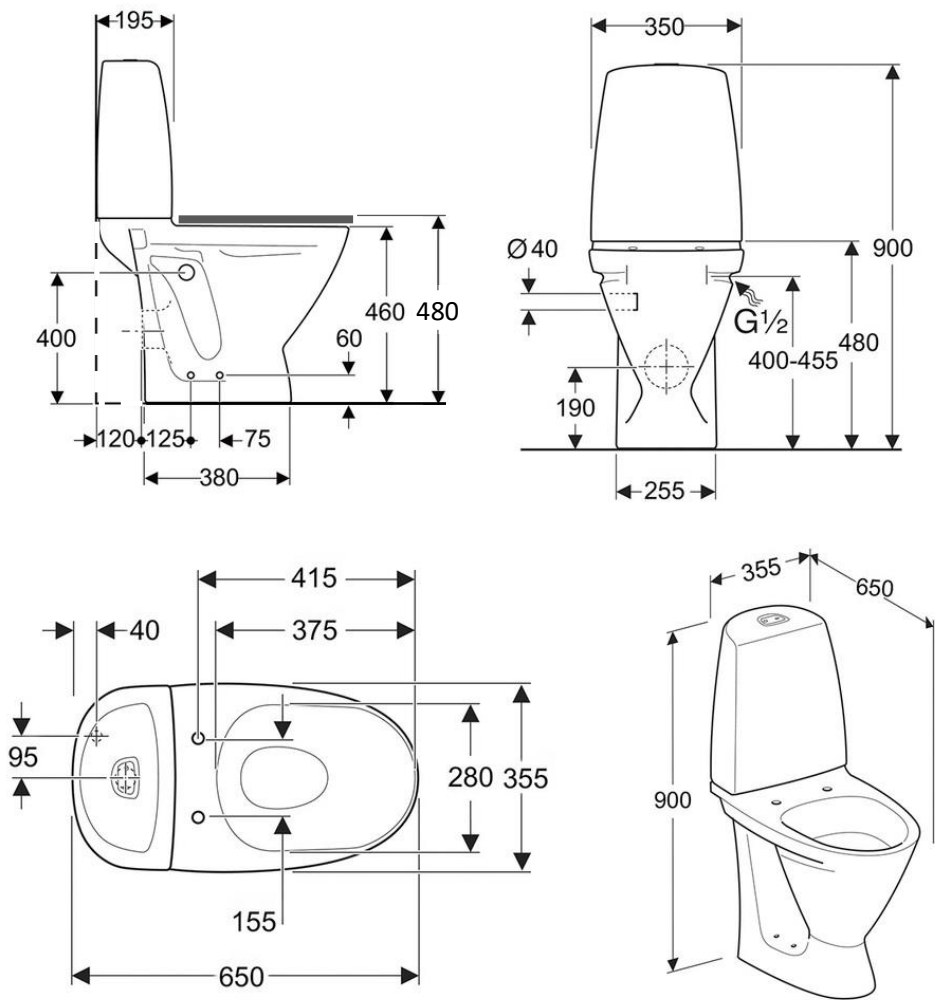
Inlet		G1/2 male
Outlet		DN100 DWV PC Pan Collar
Working Pressure Range (kPa)	Min	50
	Max	500
Nominal Flow Rate (LPM)		4.4 Full Flush / 3.1 Half Flush
Construction		Ceramic
Finish		White
NOTE: Galvin Engineering continually strive to improve their products. Specifications may change without notice.		

2 TOOLS REQUIRED – NOT SUPPLIED

- Phillips-head Screwdriver
- T25 torx key (Z91960)
- Suitable bathroom sealant and gun

- **For direct floor fixing:** 4x Rawl plugs to match 12G screw and floor type, 8mm drill.
- **For floor bracket fixing:** 4x M8 rods with nuts and washers, 3mm drill.

3 DIMENSIONS



4 PRE-INSTALLATION

**Notes:**

Before installation, all lines must be flushed.

Galvin Engineering recommends the installation of strainers and pressure reducing valves (when necessary) to ensure clean consistent supply. Debris or poor water quality could affect the performance of the unit.

WATER INLET CONNECTION:

The water inlet connection is a G1/2 male connector on the right hand side of the cistern.

5 INSTALLATION

INSTALLATION COMPLIANCE: Galvin Engineering products must be installed in accordance with these installation instructions and in accordance with AS/NZS 3500, the PCA and your local regulatory requirements. Water and/or electrical supply conditions must also comply to the applicable national and/or state standards. Failing to comply with these provisions shall void the product warranty and may affect the performance of the product.

5.1 FLOOR MOUNTING INSTRUCTIONS

Galvin Engineering recommends always fixing the toilet to the floor, either with the floor fixing screws or with the Galvin floor bracket.

The floor bracket is recommended for vinyl flooring.



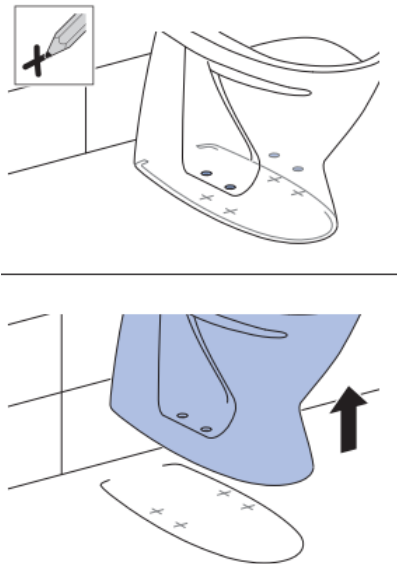
Note: Floor fixings or floor bracket **must** be used if the toilet has, or may in future have, support arms installed.

5.1.1 DIRECT FLOOR MOUNTING WITH FLOOR FIXINGS

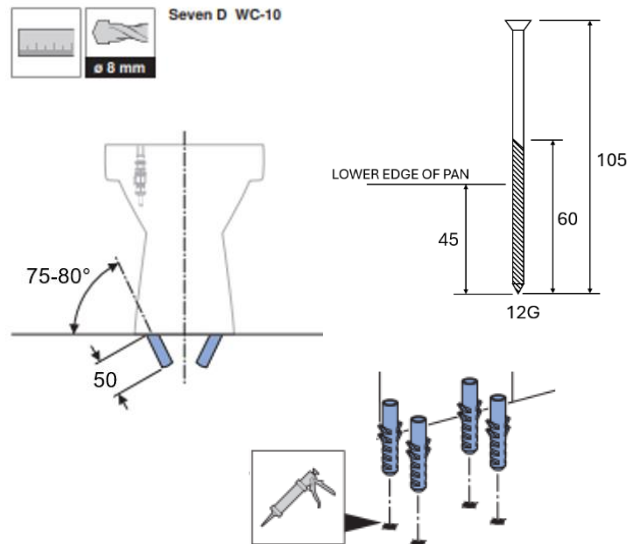


Note: Provided pan screws are 12G x 105mm long with an exposed thread length of 45mm. Pan screws must be secured into the concrete slab using suitable rawl plugs to achieve required strength and structural integrity.

A site assessment must be carried out to assess the suitability of floor screws before use. If it is not possible to fix into concrete or fully waterproof the floor, the floor bracket should be used.



1. Place toilet in final location and mark edges and fixing holes as shown. Remove toilet.



2. Drill 8mm fitting holes at angle and depth as shown.
3. Install rawl plugs (not supplied). Rawl plugs must be matched to substrate and suitable for a 45mm screw protrusion from pan.



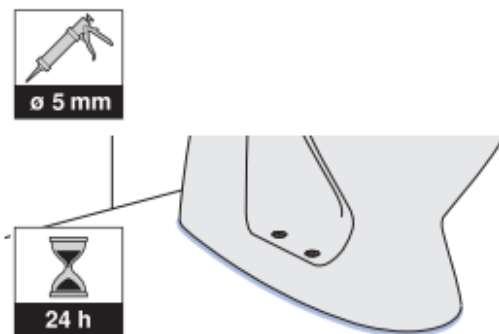
Note: Rawl plugs must be fitted into concrete slab.



4. Install toilet in place and fit screws. Hand tighten with screwdriver.
5. Cover screw heads with provided white caps.



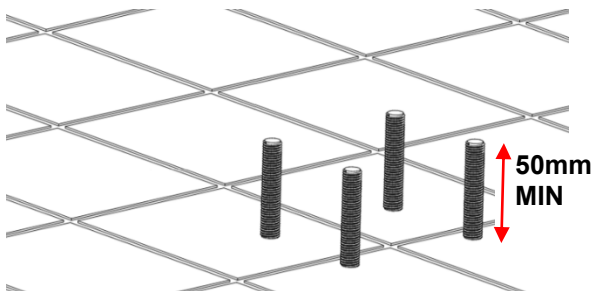
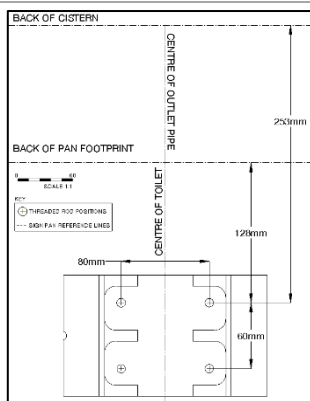
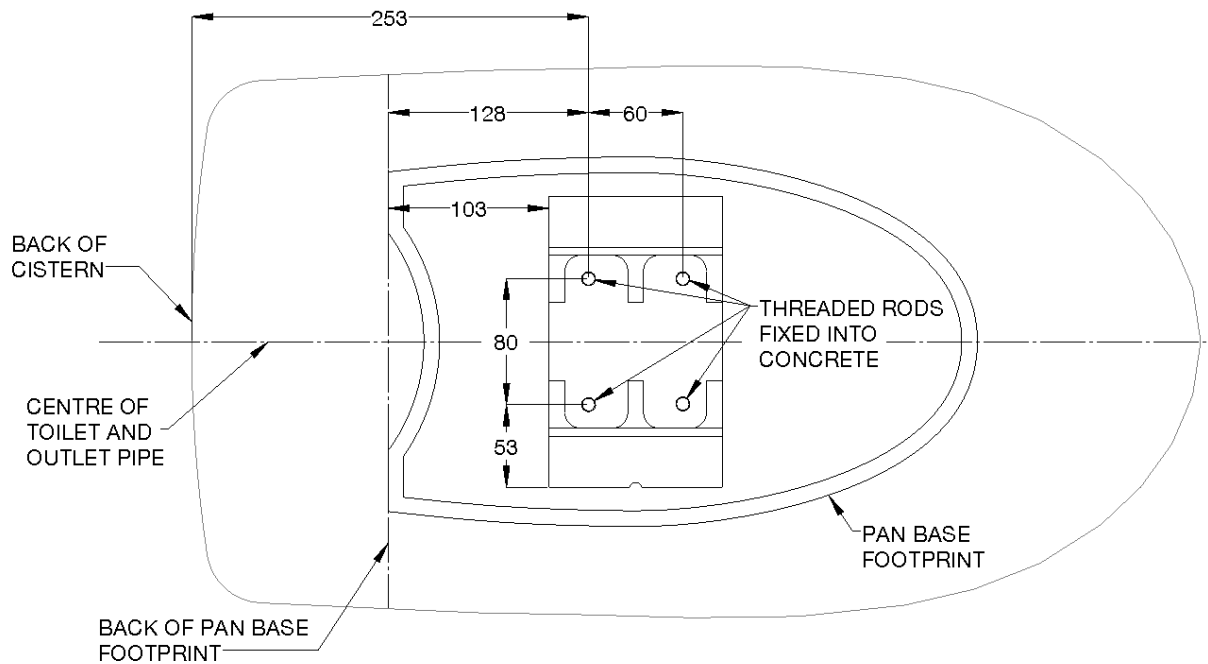
Do not overtighten screws as this may cause cracks to the ceramic.



6. Apply sealant around edge.

5.1.2 FLOOR MOUNTING WITH FLOOR BRACKET

BRACKET LAYOUT DIMENSIONS



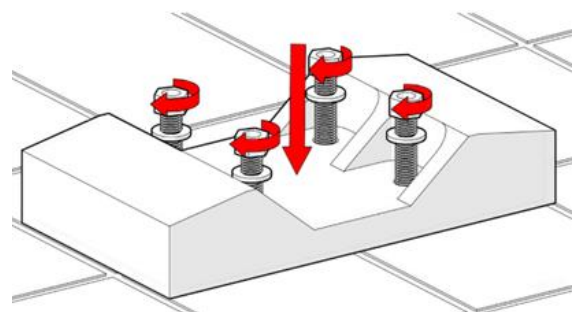
1. Use layout template provided to install 4xM8 threaded rods (not supplied) into concrete before waterproofing.



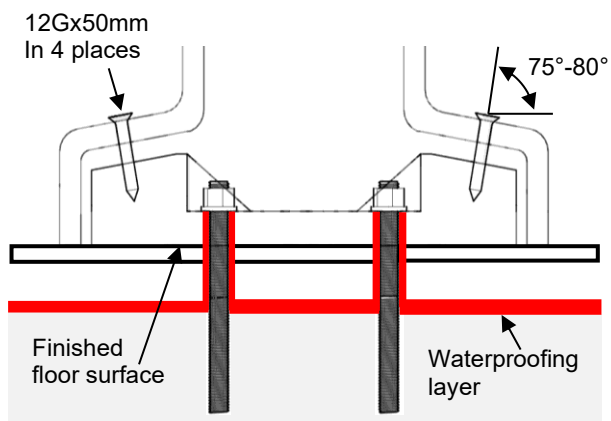
Rods must be firmly embedded with a minimum combined pull out force of 240kg.

Rods should protrude a minimum of 50mm above the finished floor surface.

2. Complete floor build up including waterproofing layers.



3. Mark rod positions on floor bracket and drill.
4. Fit bracket onto threaded rods and secure tightly with nuts and washers (not supplied).
5. Trim rods to approx 5mm above nut position.



6. Install toilet in place. Pre-drill 3mm pilot holes at an angle as shown into bracket through pan holes
7. Secure screws through the pan holes and into the bracket. Hand tighten until pan is secure.



Do not overtighten screws as this may cause cracks to the ceramic.



8. Cover screw heads with provided white caps.
9. Apply sealant around edge.

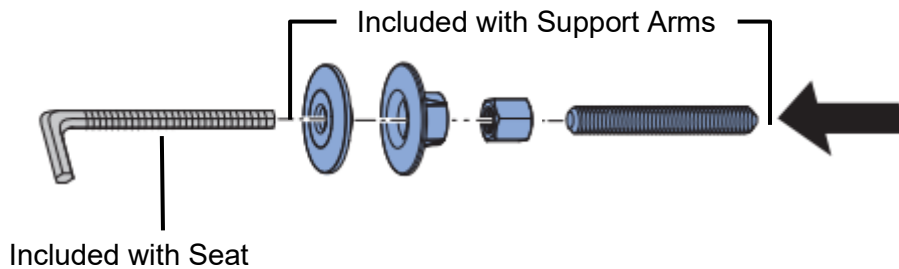
5.2 INSTALLING SEAT AND SUPPORT ARMS

1. Follow installation instructions provided with individual items for installing seats and support arms.

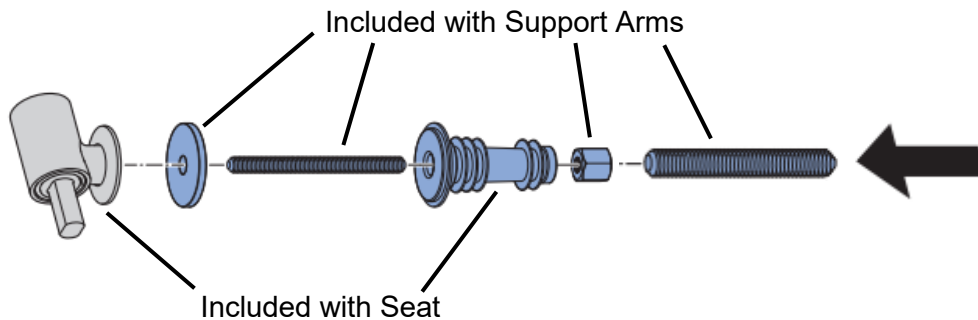


Note: to achieve Support Arm load ratings, the correct seat hinge fittings must be used as shown below. If any fittings are missing, contact Galvin Engineering for replacements.

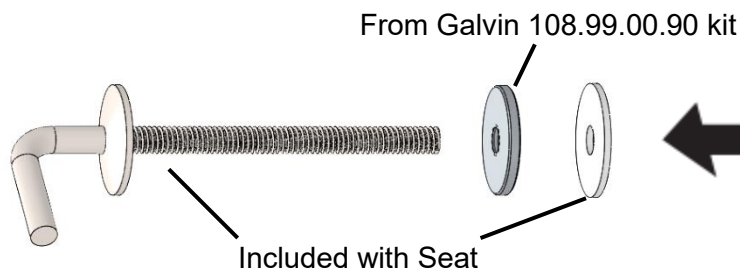
Ifo Quick-Release Standard Close – 99492, 99496, 99495



Ifo Quick-Release Soft Close – 99493, 99497, 99498



Pressalit Standard Close – All BD1999 codes



Note: When using a Pressalit BD1999 seat with support arms, the included Galvin fitting kit **108.99.00.90** must be used during installation to achieve product load ratings.

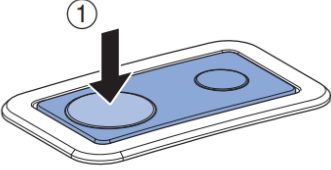
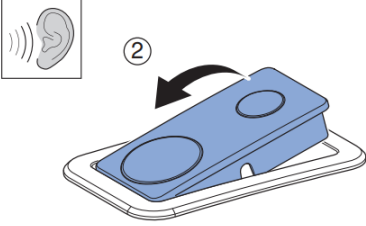
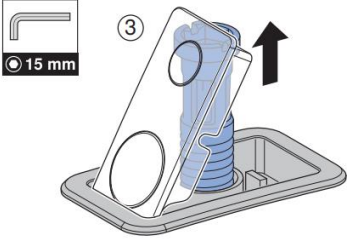


Note: Ifo Spira branded seats are only suitable for installation with Ifo support arms.



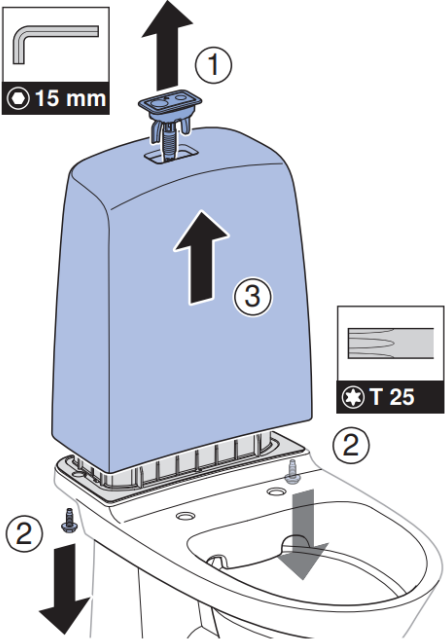
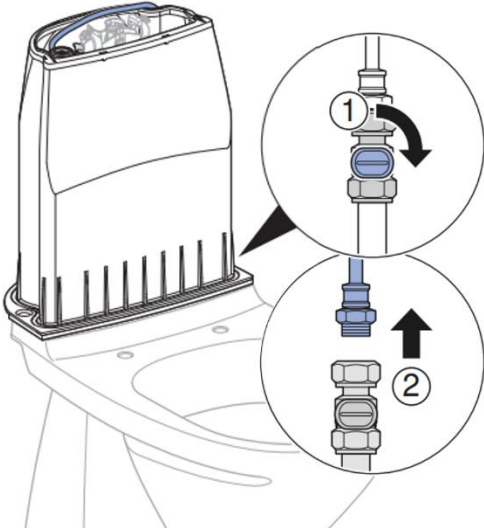
Note: The Ifo Sign branded seat (99565) is not suitable for use with support arms.

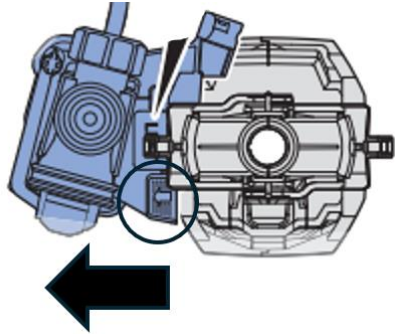
5.3 REPLACING THE FLUSH BUTTON

		
1. To remove the flush button lift it by the hinge and unscrew the cover rod either by hand or with the cistern key (Item Z91960). 2. Transfer the cover rod to the new flush button and repeat the steps in reverse to fit.		

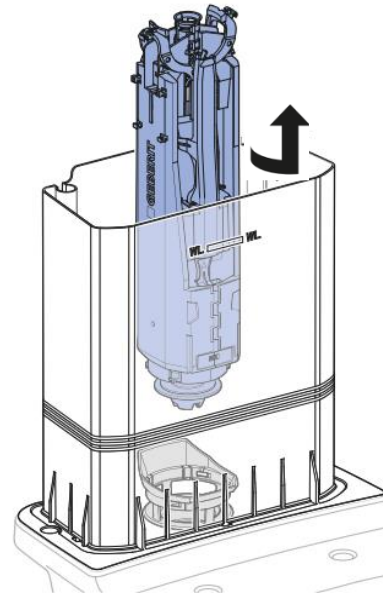
5.4 ACCESSING INTERNAL CISTERN COMPONENTS

5.4.1 REMOVING INTERNAL CISTERN COMPONENTS:

	
1. Remove the flush button and cover rod (1) following the instructions in section 5.3. 2. Unscrew cistern fixing screws (2) and carefully lift off the ceramic shroud.	3. Disconnect water supply to inlet.

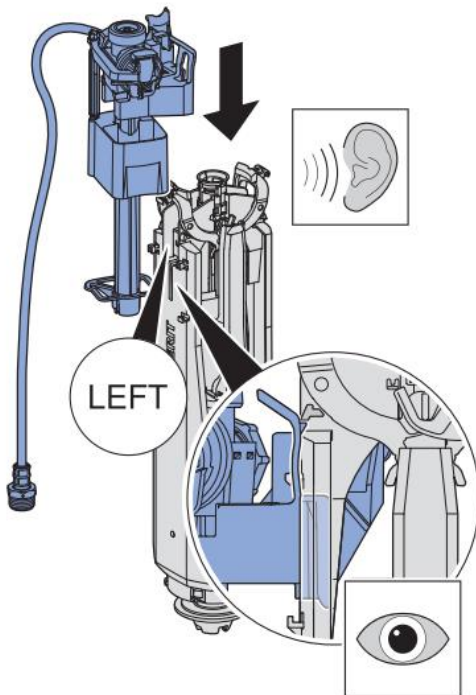


4. Push tab forwards and pull inlet assembly up away from the cistern rim.
5. Lift inlet valve assembly out of cistern.

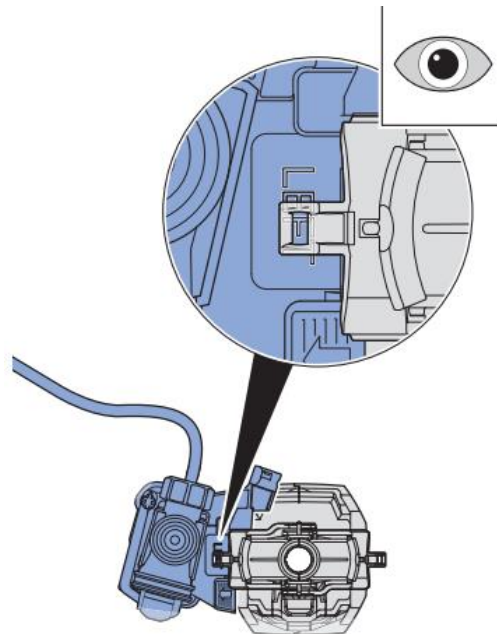


6. Twist and lift outlet valve to remove.

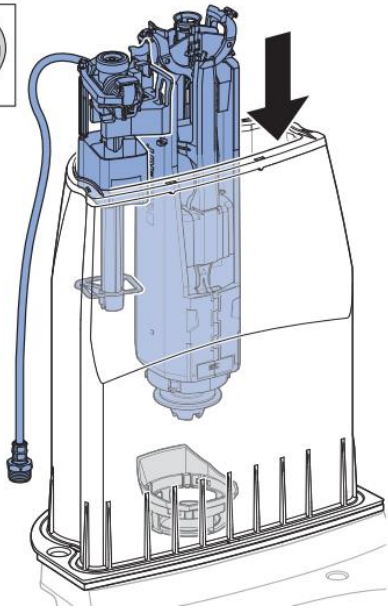
5.4.2 REINSTALLING INTERNAL CISTERN COMPONENTS:



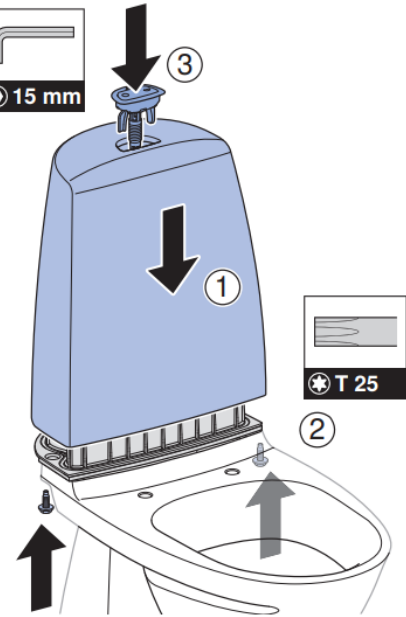
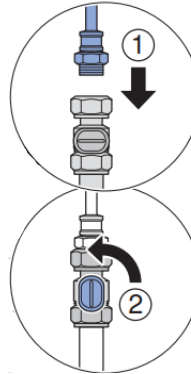
1. Slide inlet valve back onto outlet valve assembly until it clicks into place.



2. Confirm inlet tab sits under outlet body clip as shown.



3. Install assembly back into cistern.
4. Push outlet valve directly down into valve seat until it clicks.
5. Fit inlet hose into hose slot in housing.



6. Reconnect water supply to inlet and test.
7. Reinstall cistern housing. Reinstall screws, cover rod and flush button.



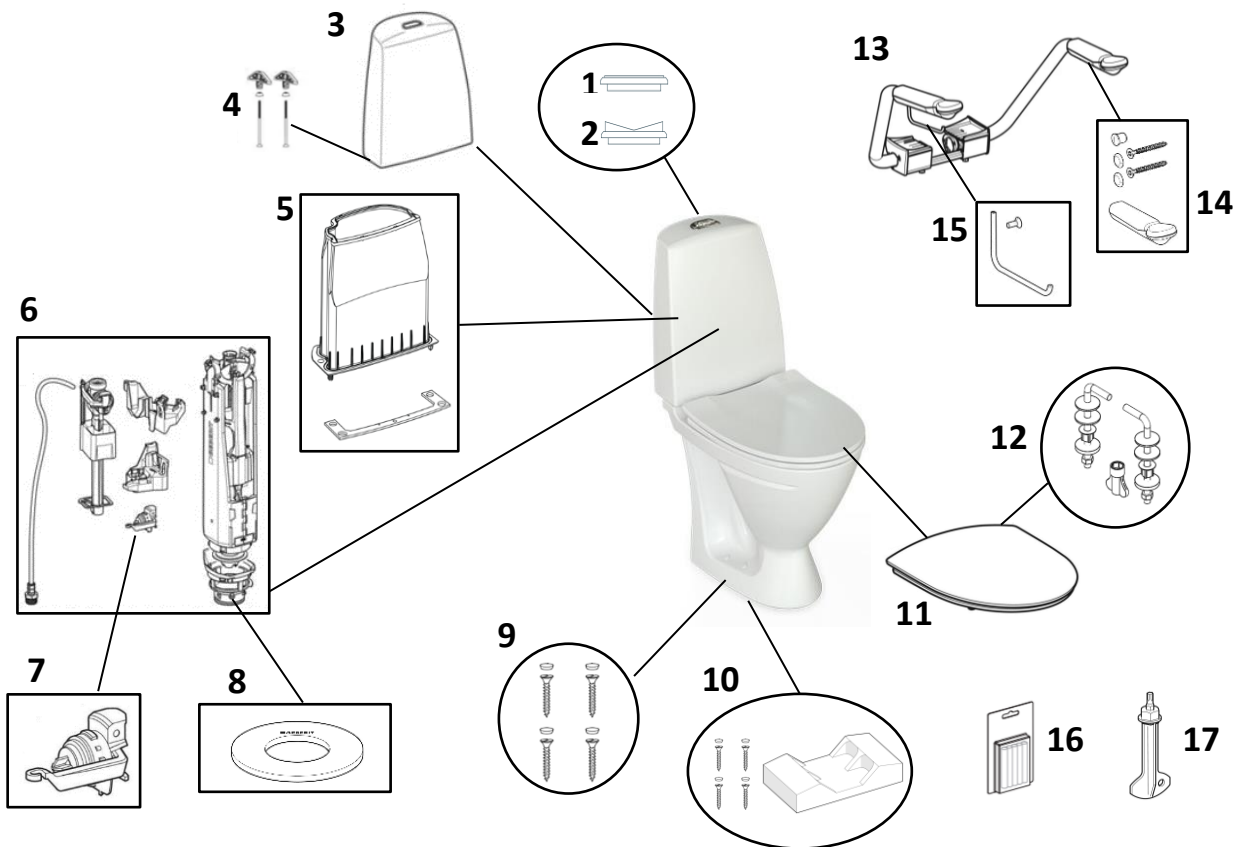
Ensure plastic clips are in place in cistern housing before reinstalling.

6 TROUBLESHOOTING

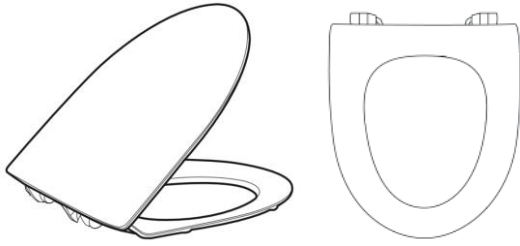
PROBLEM	CAUSE	RECTIFICATION
Continuous water flow into the toilet bowl	Damage or wear to internal cistern components	Replace the cistern internal assembly (244.906.00.1)
	Inlet valve arm seal is worn out or damaged	Replace the inlet valve arm (243.801.00.1).
	Outlet valve seal is worn out or damaged	Replace the outlet valve seal (816.418.00.1).
Leakage between the cistern and the toilet pan	Water Distributer is detached from cistern tank or is missing	Remove the ceramic cistern cover, ensure Water Distributer is fitted correctly to cistern tank.
Leakage at the water inlet connection to the cistern	Inlet connection is not properly sealed	Check hose connection is not damaged and is correctly tightened. Use loose nut connector if required.

7 SPARE PARTS

No.	Item Code	Description
1	Z98303	Ifo Sign Dual Flush Button - Chrome
2	Z98308	Ifo Sign Dual Flush Button Raised - Chrome
3	Z90610	Ifo Sign Ceramic Shroud Cover
4	Z98949	Ifo Cistern Fixing Screw & Clip (Pair)
5	Z98951	Ifo Sign Inner Cistern Tank with Seal
6	244.906.00.1	Ifo Sign Fill and Flush Valve Set, Typ 245-333
7	243.801.00.1	Ifo Inlet Valve Arm & Seal
8	816.418.00.1	Ifo Outlet Valve Seal
9	245.447.00.1	Ifo Pan Screw and Caps Kit (8pcs)
10	108.99.03.90	Floor Mounting Bracket Kit for Ifo Sign Toilet
11	-	Seat (See 7.1 Seat Variants)
12	-	Replacement Seat Hinges (See 7.1 Hinge Replacements)
13	-	Support Arms (See 7.1 Support Arm Variants)
14	245.453.00.1	Ifo Handle for Armrests with Fastening Material
15	502.341.00.1	Ifo Toilet Roll Holder for Armrests with Fastening Material
16	94690	Ifo Fresh Sticks, Suits Spira/Sign Toilets (5 Pcs) - Blue
17	Z91960	Ifo Cistern Key with Hex & T25 Torx



7.1 SEAT AND SUPPORT ARM VARIANTS



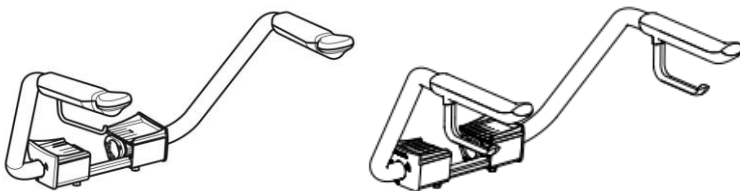
11 - Seat Options

Item Code	Description	Colour
99565	Ifo Double Flap Toilet Seat for Sign 6872 – White (*)	
99492	Ifo Double Flap Toilet Seat for Spira 6261, Quick Release – White	
99496	Ifo Double Flap Toilet Seat for Spira 6261, Quick Release – Red	
99495	Ifo Double Flap Toilet Seat for Spira 6261, Quick Release – Grey	
99493	Ifo Double Flap Toilet Seat for Spira 6261, Soft-Close, Quick Release - White	
99497	Ifo Double Flap Toilet Seat for Spira 6261, Soft-Close, Quick Release - Black	
99498	Ifo Double Flap Toilet Seat for Spira 6261, Soft-Close, Quick Release - Grey	
554112-BD1999	Pressalit Double Flap Grey Toilet Seat	
553112-BD1999	Pressalit Single Flap Grey Toilet Seat	
554068-BD1999	Pressalit Double Flap Bermuda Blue Toilet Seat	
553068-BD1999	Pressalit Single Flap Bermuda Blue Toilet Seat	
554108-BD1999	Pressalit Double Flap Dark Blue Toilet Seat	
553108-BD1999	Pressalit Single Flap Dark Blue Toilet Seat	
554000-BD1999	Pressalit Double Flap White Toilet Seat	
553000-BD1999	Pressalit Single Flap White Toilet Seat	
554001-BD1999	Pressalit Double Flap Black Toilet Seat	

(*) Sign branded seat is not suitable for use with support arms & is not compatible with replacement hinges.

12 – Seat Hinge Replacement Kits

Item Code	Description
Z96811	Ifo Soft-Close Replacement Hinges (compatible with all Ifo Spira seats)
Z96815	Ifo Standard Replacement Hinges (compatible with all Ifo Spira seats)
BD1999	Pressalit Hinge Replacement Kit (compatible with all Pressalit seats)



13 - Support Arm Options

Item Code	Description
502.299.00.1	Ifo Armrests, Tilttable, Suits Spira/Sign Toilets with Single Toilet Roll Holder
R1192112-KIT	Pressalit Support Arms with Dual Toilet Roll Holders & No Nurse Call
R1194112-KIT	Pressalit Support Arms with Dual Toilet Roll Holders & Left Hand Nurse Call
R1193112-KIT	Pressalit Support Arms with Dual Toilet Roll Holders & Right Hand Nurse Call

8 KIT CODES MATRIX

		Ifo Sign 6872 Toilet	Raised Flush Button	Floor Bracket	Ifo Double Flap Toilet Seat - White	Ifo Double Flap Toilet Seat - Soft-Close White	Ifo Double Flap Toilet Seat - Grey	Ifo Double Flap Toilet Seat - Soft-Close Grey	Ifo Double Flap Toilet Seat - Red	Ifo Double Flap Toilet Seat - Soft-Close Black	Pressalit Double Flap Toilet Seat - Grey	Pressalit Double Flap Toilet Seat - Bermuda Blue	Pressalit Double Flap Toilet Seat - Dark Blue	Pressalit Double Flap Toilet Seat - White	Pressalit Double Flap Toilet Seat - Black	Pressalit Single Flap Toilet Seat - Grey	Pressalit Single Flap Toilet Seat - Bermuda Blue	Pressalit Single Flap Toilet Seat - Dark Blue	Pressalit Single Flap Toilet Seat - White
108.01.03.01	687200009	•	•	•	•														
108.01.02.01	Z98308	•	•	•		•													
108.01.03.31	108.99.03.90	•	•	•			•												
108.01.02.31	99492	•	•	•				•											
108.01.03.21	99493	•	•	•					•										
108.01.02.11	99495	•	•	•															
108.01.01.31	99498	•	•	•															
108.01.01.41	99496	•	•	•															
108.01.01.51	99497	•	•	•															
108.01.01.01	554112-BD1999	•	•	•							•								
108.01.01.11	554068-BD1999	•	•	•								•							
108.01.00.31	554108-BD1999	•	•	•									•						
108.01.00.41	554000-BD1999	•	•	•										•					
108.01.00.51	554001-BD1999	•	•	•											•				
108.01.00.01	553112-BD1999	•	•	•												•			
	553068-BD1999																•		
	553108-BD1999																	•	
	553000-BD1999																		•

**Support Arms can be added to any Sign kit,
Contact Galvin Engineering to order.**



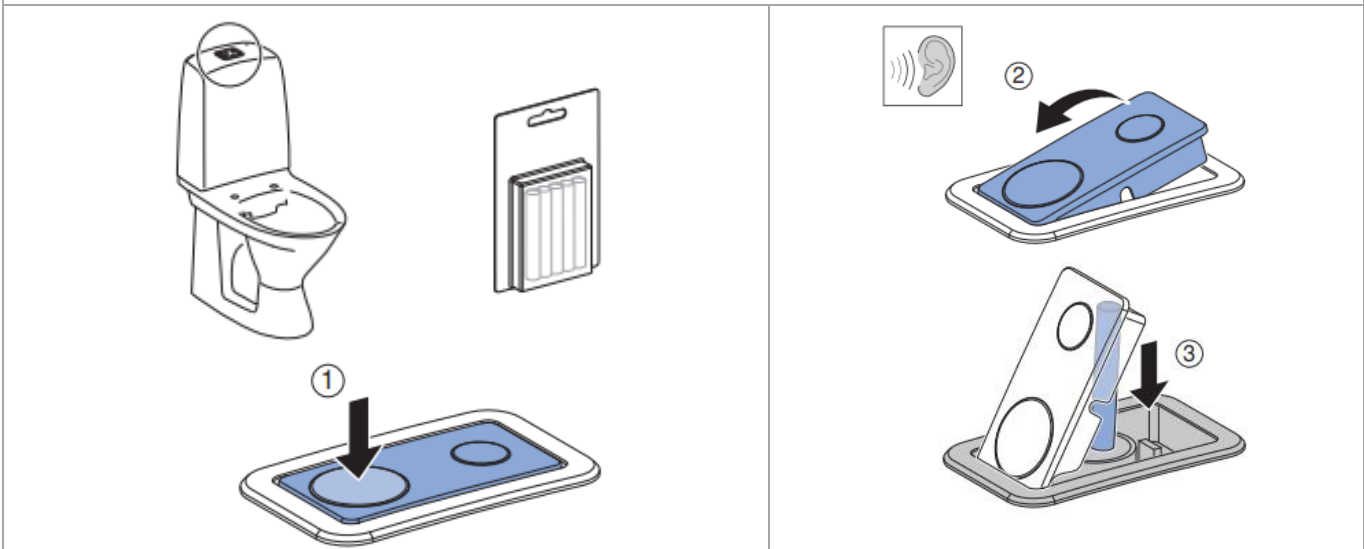
*Pressalit Support arms can only be used with Pressalit branded seats
Ifo Support Arms can only be used with Ifo branded seats*

9 CARE INSTRUCTIONS

9.1 GENERAL CARE INSTRUCTIONS

- For detailed cleaning instructions, refer to individual product documentation.
- Toilet bowl must be cleaned regularly using mild cleaning agents and water.
- Never use sharp or pointed objects or abrasive equipment (e.g. steel wool) when cleaning as these can scratch the glazed surfaces.
- Remove any substances containing solvents immediately after application.
- Do not use chemical cleaning agents on the flush button or seats as these can damage plastic components. Use hot water and soap and wipe dry using a soft, lint-free cloth.
- Unless there are heavy deposits/dirt, never use cleaning agents that are:
 - Abrasive or may scratch the surface
 - Contain chlorine or acids that are corrosive

9.2 INSTALLING IFO FRESH STICKS



1. Open the flush button via the hinge mechanism. Install one fresh stick (item 94690) into the centre of the cover screw rod.



Note: Only Ifo branded Fresh WC Sticks are approved for use in this product.

10 WARRANTY

Galvin Engineering products are covered under our Manufacturer's Warranty. Galvin Engineering products must be installed in accordance with the installation instructions and in accordance with AS/NZS 3500 and NCC Volume Three, relevant Australian Standards and local authorities applicable to product being installed. Water and electrical supply conditions must also comply to the applicable national and/or state standards, failing to comply with these provisions may void the product warranty and affect performance of the product.

Please visit www.galvinengineering.com.au to view the full warranty, our Installation Compliance and Maintenance & Cleaning information as well as any other additional information.

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