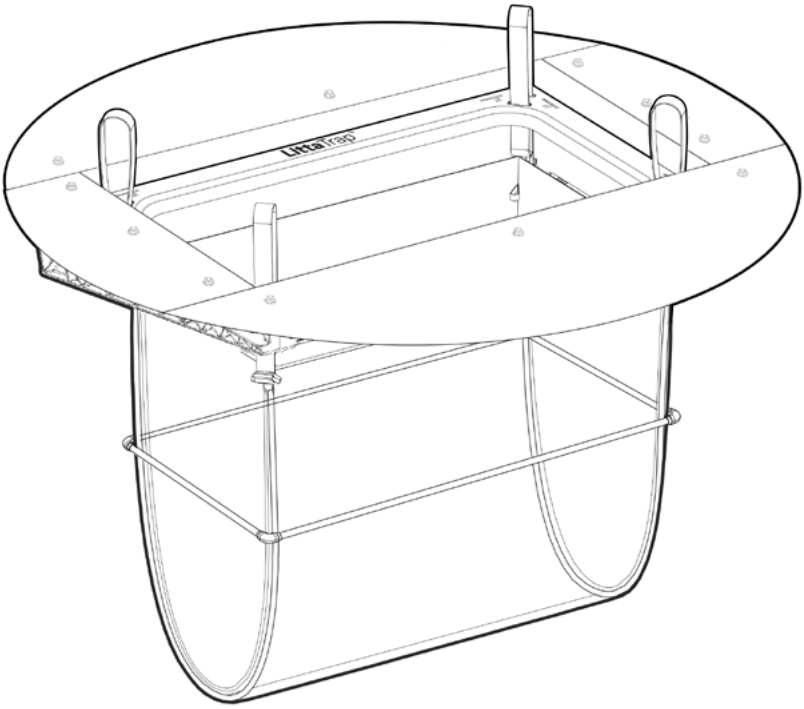
LittaTrap™

LOW COST CATCHPIT INSERT
FOR REMOVAL OF LITTER AND
GROSS POLLUTANTS

INSTALLATION MANUAL (MANHOLE)



For installation you will need:

- Measuring Tape
- Box Knife
- Rotary Hammer Drill and 10mm (3/8") Masonry Bit
- Socket Set with 13mm (1/2") & 17mm (11/16") Sockets
- Battery Drill/Driver & 8mm (5/16") Socket Bit

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WARNING

It is essential to follow any local or national Occupational Health and Safety Laws when installing or maintaining LittaTrap™ filters. Ensure all required Personal Protection Equipment (PPE) is worn at all times and Traffic Management rules are adhered to.

When maintaining the LittaTrap™ follow all local or national guidelines for manual lifting whenever hand maintenance is actioned.

SITE SAFETY

We recommend checking your local website for a Site Specific Safety Plan before undertaking any installation.

HEALTH AND SAFETY

Personal Protection Equipment (PPE) is required when installing or maintaining a LittaTrap™. This will mean long sleeves, long pants, Hi-Viz, and closed shoes.

We also recommend the use of gloves when maintaining the LittaTrap™.

When maintaining the LittaTrap™ by hand it is essential to identify and assess the weight of the captured material before lifting, as weights can vary depending on the filter contents.

For additional advice on the relevant Health and Safety requirements we recommend that you consult your local website.

MAINTENANCE

All treatment devices require maintenance to remove trapped contaminants and prevent overflow bypass or flooding. Due to the variable nature of stormwater pollution and localised site pollutant loadings, maintenance frequencies vary for different sites and different rainfall characteristics. It is recommended to inspect your LittaTrap™ frequently over the first year of operation to determine seasonal and annual maintenance requirements.

The LittaTrap™ filter should be maintained when it is approximately 2/3 filled with pollutants or if the filter fabric becomes blocked from hydrocarbons, organics or sediment.

Maintenance is carried out by lifting the filter insert out of the frame assembly using 'J' hooks and emptying into a suitable vessel or trailer to be taken away from the site and disposed of appropriately for the contaminants. Please ensure that all care is taken when disposing of litter as the rubbish caught could contain sharp and dangerous objects.

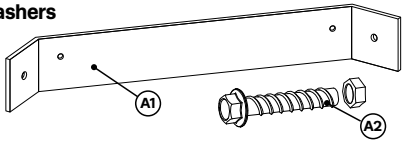
If there are no "J" hooks the bag can be lifted out by the pulling the Filterbag handles. If the filter fabric is clogged, it should be water blasted into a contained vessel prior being fitted back into the frame assembly.

When carrying out maintenance of the LittaTrap™, it is essential to inspect the overflow bypass slots at the top of the filter insert to ensure no pollutants have been caught and may restrict the flow.

If the LittaTrap™ insert is too heavy to lift by hand, it will need to be maintained using a vacuum inductor truck. When cleaning using a vacuum inductor truck it is essential to take care to not damage the bag from the induction boom. Sediment and pollutants should be vacuum inducted until approx 3/4 empty, and then the remainder lifted and emptied by hand.

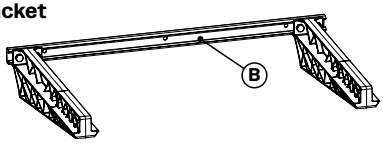
SUPPLIED COMPONENTS

Part A – x1 *
Manhole Adaptor Plate & M10 Bolts with washers



* Please note this component may come as a separate kit.

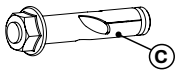
Part B – x1
Bracket



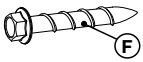
Part D – x1
Filterbox

Part E
Plastic Seals

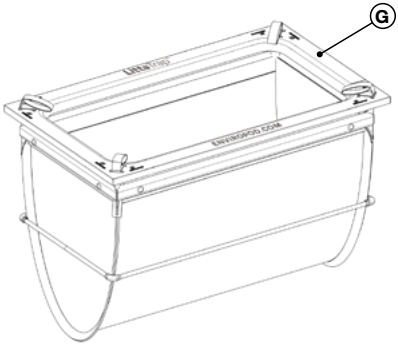
Part C
Masonry Anchor Bolts



Part F
Self Drilling Hexhead Screws

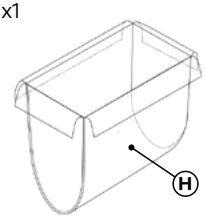


Part G – x1
Filterbag

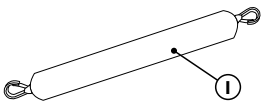


OPTIONAL EXTRAS

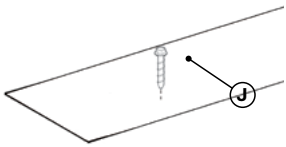
Part H – x1
Liner



Part I – x1
Oil Absorbant Pouches

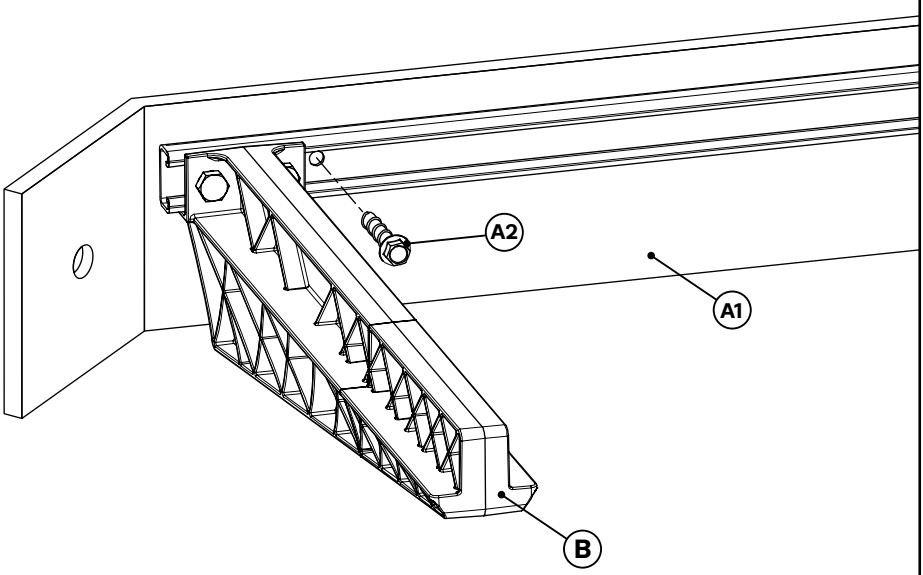


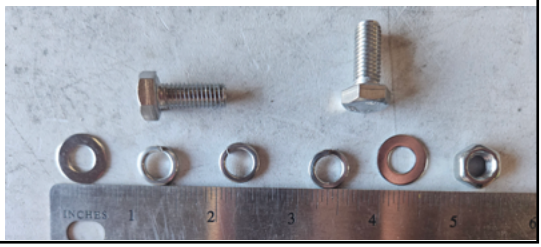
Part J – x1
Extension Flap



BRACKET INSTALLATION

01



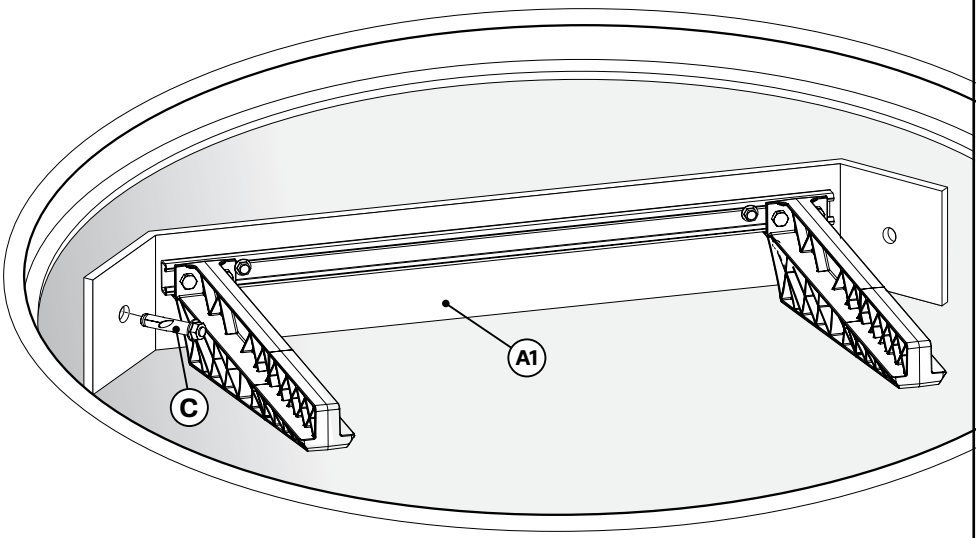


STEP 01

To fasten the **Bracket** assembly insert the supplied **M10 Bolt, Washers** and **Nut** to secure through the bracket onto the **Manhole Adaptor Plate** and tighten to secure.

Note: ensure the washers are on the same side as the Nut.

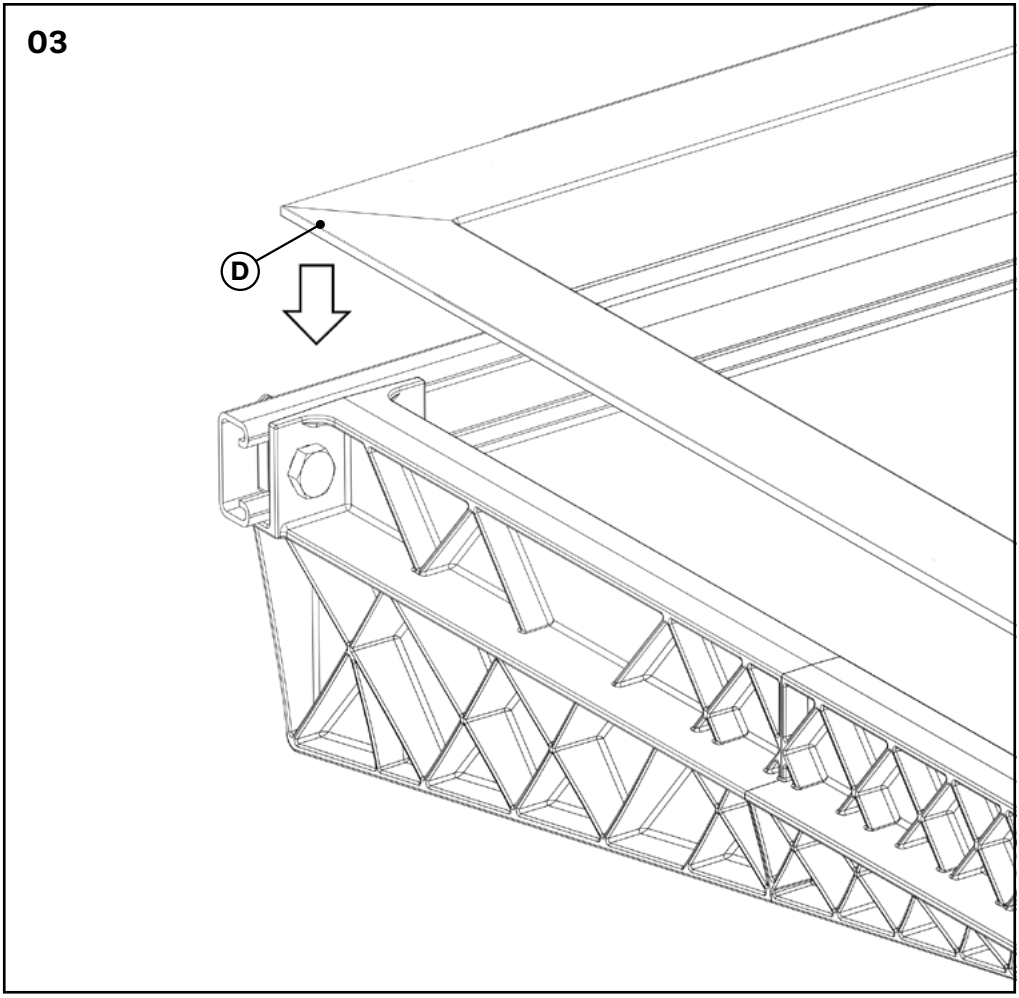
02



STEP 02

Place completed **Manhole Adaptor Plate assembly** against the manhole riser wall at the correct height inside riser and mark positions for drilling in **Masonry Anchors**.

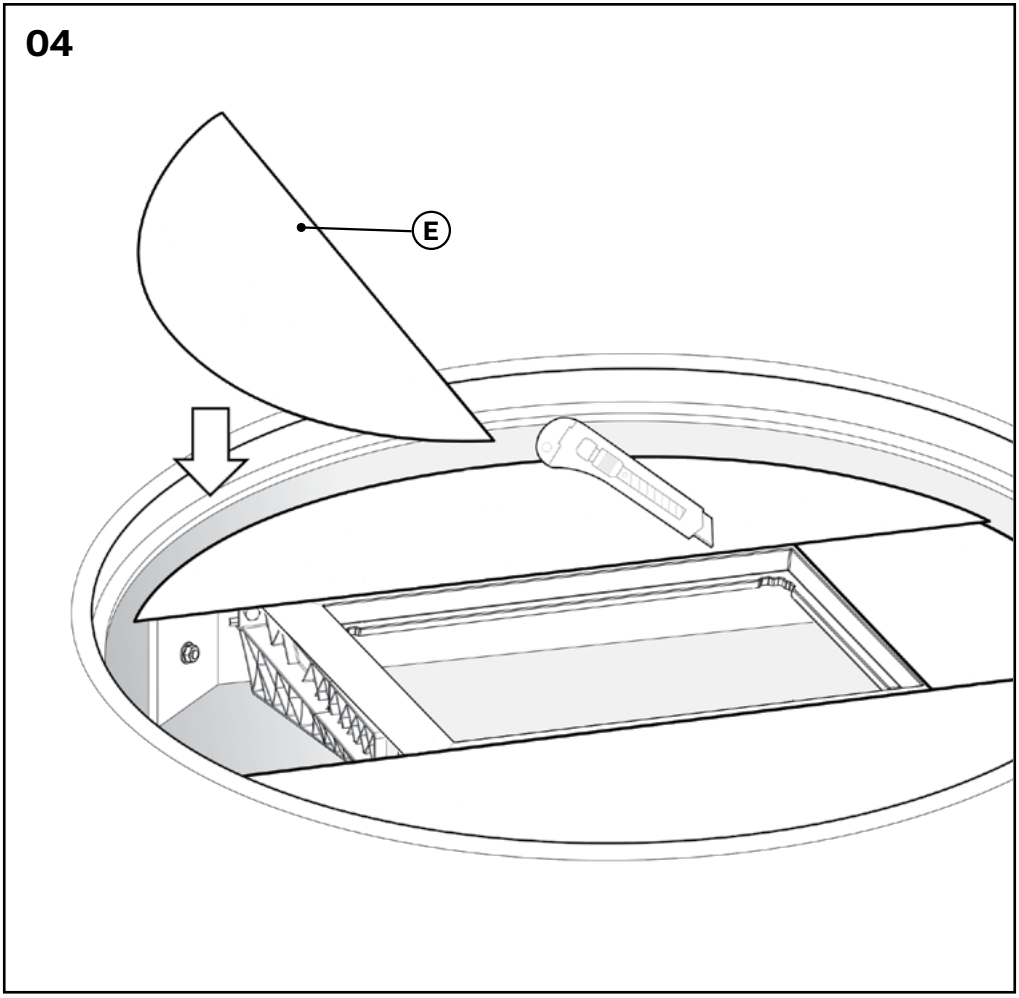
Note: the top of the **Manhole Adaptor Plate** will be at the approximate level of the top of the **Filterbox** and seal. Drill holes as required using the **Masonry Drill** and fasten plate to the wall using the **Masonry Anchors**.



STEP 03

Place the **Filterbox** in the correct position on the **Brackets** so that the underside of the top face of the **Filterbox** sits evenly onto the top face of the **Brackets**.

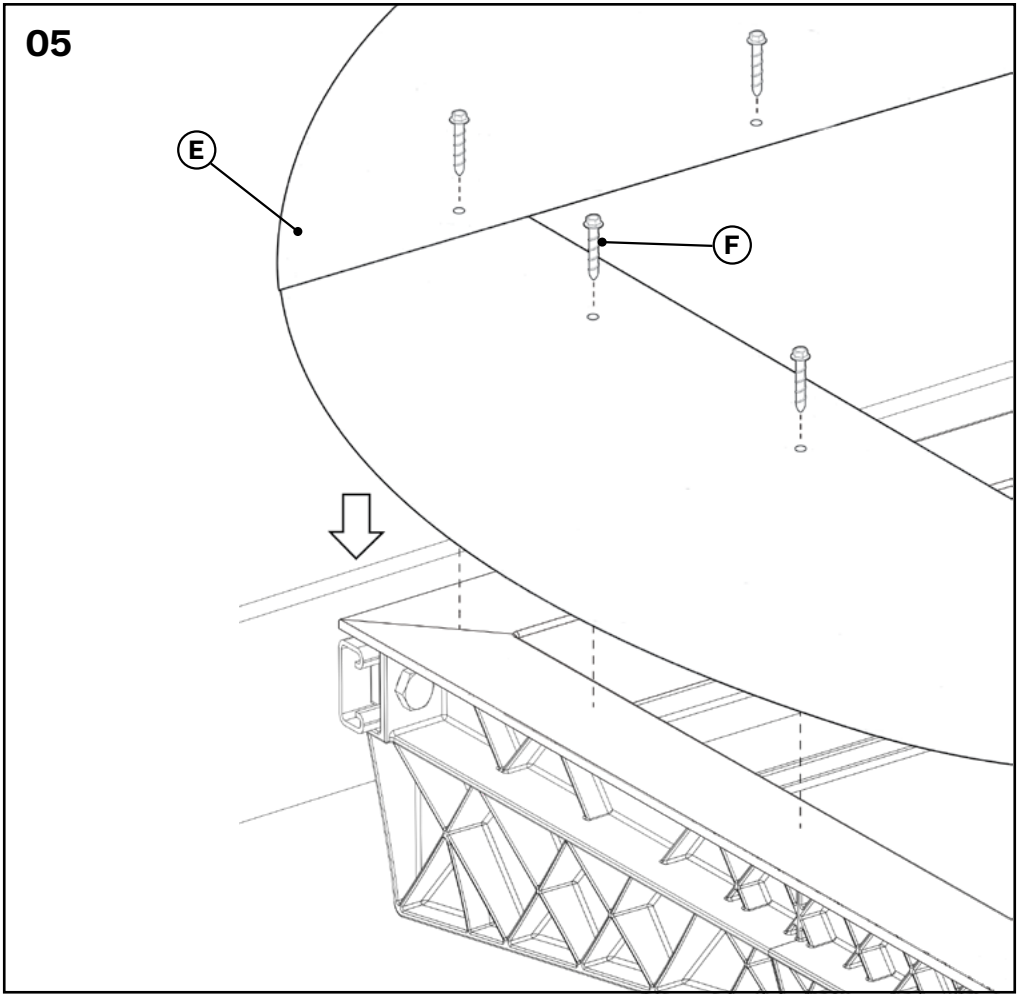
04



STEP 04

Ensure the **Pre-Cut Seals** are the correct size to seal against the side of the Manhole Wall ensuring they do not overhang the inside wall of the **Filterbox**.

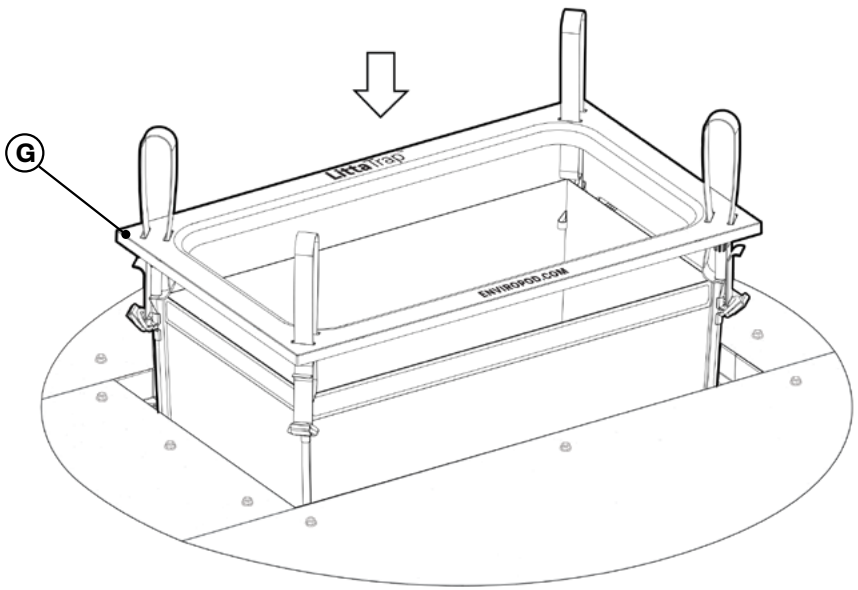
Note: The seal needs to be trimmed to ensure the correct fit – typically the seals need to be approx. 20mm larger than the diameter of Manhole Riser so they are supported against the side-wall.



STEP 05

Secure the seals using the **Battery Drill** to screw the **Self Drilling Screws** through the **Plastic Seals** into the **Filterbox** and into **Bracket**. The seals should have a screw in the centre and one on each edge of the seals. Complete on all sides.

06



STEP 06

Complete the **LittaTrap™** installation by lowering the complete **basket** into the pit. Reposition & close grate.

LITTATRAP™ INSTALLATION CHECKLIST

Please complete each step with each installation of the EnviroPod™ LittaTrap™ products.

Each EnviroPod™ LittaTrap™ installation step must be completed in order to receive the 8 year warranty.

Installation Steps	Complete (Y/N)
1. The catch basin is clean and free of trash and debris and any protruding pipes are cut back flush with the catch basin walls.	
2. The support bracket is installed 200mm (8″) below the top of the grate level or below curb entries.	
3. Anchor bolts are securely tightened and firmly support the bracket. Anchor bolts are tightened so the bracket is secured firmly agains the catch basin wall.	
4. Filterbox positioned so the basket can easily be removed through the open grate.	
5. Basket is the correct size for the clear opening of the catch basin grate and does not block the outlet.	
6. Seals are securely fastened to the Filterbox, and bracket arms where appropriate.	
7. The seals are fastened with a minimum of one screw at each corner, and one in the center of each side of the Filterbox.	
8. Seals must not overhang the Filterbox or the basket will not seat properly. Seals must butt up to lip at edge of Filterbox and be trimmed to prevent buckling.	
9. Seals curve up the walls of the catch basin with a fall towards the basket. See the correct installation image on the installation best practice page.	
10. If the manhole seals span further than 150mm (6″), ensure they are mechanically fixed to the wall of the catch basin. Refer to the seal support drawing for more information.	
11. The basket and liner is placed in the Filterbox, with the liner top flaps passed through the overflow bypass slots and buckled below corner posts (see the correct liner installation photo in the best practice pages). If necessary, is the hinged vector portal installed and operable with the grate closed.	
12. If necessary, that the hinged vector portal installed and operable with the grate closed and provides a clear view to the bottom of the catch basin.	
13. Check for gaps greater than 5mm (3/16″) and seal using an appropriate con struction sealant as necessary.	
14. Take photos of the installed unit with the basket in and out and keep it on file to show it was installed correctly.	
15. All materials cleared from installation and the site is left tidy.	
16. Close the grate.	

INSTALLATION BEST PRACTICE

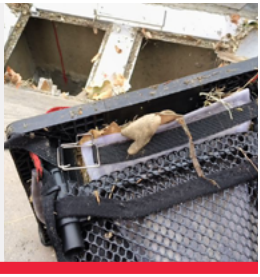
LINER INSTALLATION

Correct attachment

Liner is folded through the overflow bypass, buckle is below corner post.

Blocking overflow bypass

This liner was installed over the basket collar, blocking the overflow bypass, which could cause flooding in a significant rain event.



LINER INSTALLATION

Correct install

Liner is correctly installed with no gaps.

Incorrectly installed

The performance liner is not installed correctly, it is too loose so flows will bypass the liner.

OFFSET

Acceptable offset

The catch basin offset, if any, does not hunder LittaTrap™ installation or removal of the basket for maintenance.

Excessive offset

Basket would be difficult to remove once full. A difficult model of LittaTrap™ may be required.

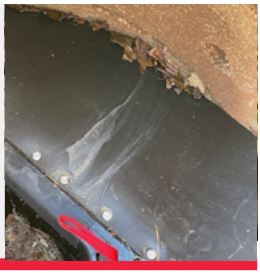
SEALS

Bolted with anchor bolt

Seals are bolted with anchor bolts to the wall and the seals are flush with the filterbox inside edge and do not overlap the inside face.

Seals are not large enough

Seals are not curving up the wall of the catch basin with anchor bolts. It currently is letting water flow through on the side and can bypass the LittaTrap™.



INSTALLATION BEST PRACTICE

SEALS

Correct seals

Seals curve up the walls of the catch basin with a fall towards the basket. The plastic seals are flush with the filterbox inside edge and do not overlap the inside face. There is no gaps larger than 5mm.

Excessive gap

Seal should not have any gaps larger than 5mm.

SEALS

Correct seals

Seals curve up the walls of the catch basin with a fall towards the basket. The plastic seals are flush with the filterbox inside edge and do not overlap the inside face. There is no gaps larger than 5mm. Seals also bolted to the wall.

Incorrect installation

Seal should curve up the wall and not have any gaps larger than 5mm. It is also not installed securely and the seals should be secure and not allow water to bypass the LittaTrap™.

To register your warranty scan the QR code below.

Scan here to learn more.

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