



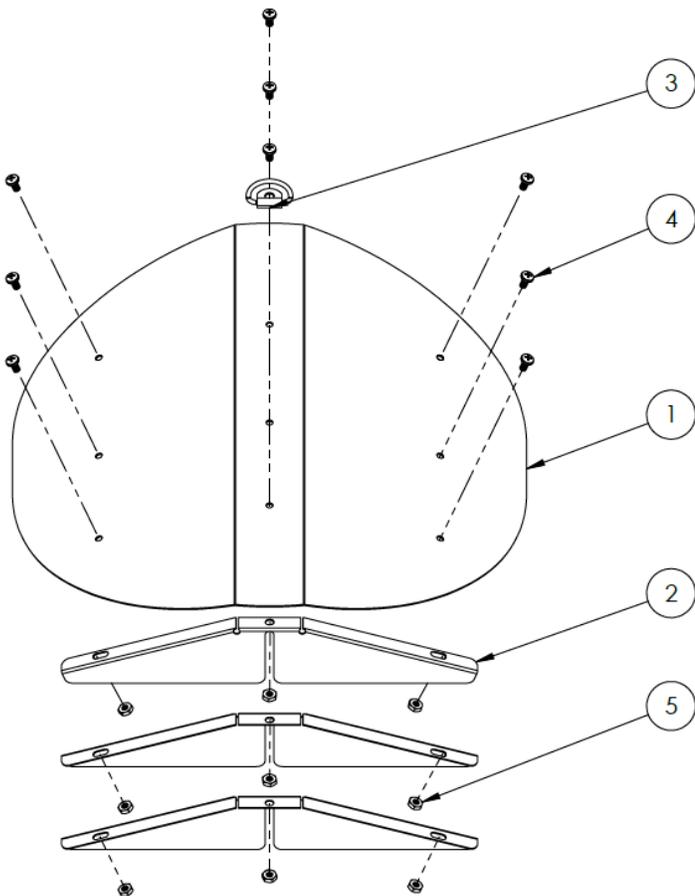
BREWING EQUIPMENT

ANVIL False Bottom

Assembly, Operation & Maintenance Manual

*** PLEASE READ THOROUGHLY PRIOR TO USE FOR IMPORTANT SAFETY INFORMATION ***

Parts List



Item No.	Description	Quantity
1	False Bottom	1
2	Support	3
3	D-ring	1
4	#10-24x3/8 SS screw	9
5	#10-24 SS Nut	9

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Assembly

Step One: Your ANVIL False bottom will come fully assembled.

Step Two: Your ANVIL False Bottom should be cleaned with hot water and a mild detergent before use. We Recommend Five Star™ Powdered Brewery Wash (PBW) to remove any manufacturing residue.

Step Three: To install your ANVIL False Bottom simply guide into your ANVIL Kettle at an angle as shown in Figure. 1 with the “D” ring on the side opposite the thermometer and valve.

Step Four: Using both hands, press down on the sloped outer edges of the false bottom until it rests on the bottom of the kettle (figure 2).

Step Five: To remove, pull up on the D-ring and guide the false bottom out of the kettle taking care to clear the thermometer (figure 1).



Figure 1.



Figure 2.

Operation

The ANVIL False Bottom is an optional accessory for the ANVIL brew kettle and is intended for use as a mash filter only. It is not suitable or recommended for use as a boil screen since it will impede the convective flow of a full rolling boil and may lead to scorching of the wort. To maintain enough space for dough-in it is recommended that the mashing vessel be no more than 75% full. After your mash is complete you will need to recirculate the wort so that the mash “sets” and acts as a filter to clarify your wort. To do this simply drain wort from the valve slowly into a sauce pan and then gently return it to the top of the mash. Do this until the wort runs clear. Then drain the wort into the boil kettle and gently add the sparge (rinse) water to the top of the mash. A low flow rate from your mash vessel will reduce the chances of a “stuck” mash. It should take about 45 min to 1 hr to sparge your mash. Most stuck mashes result from drawing too hard on the mash, causing it to compact and reduce permeability. Malt that is crushed too finely, or air in the mash from raking too vigorously are also common causes of a stuck mash. Additionally, wheat, flaked barley, and oats are particularly problematic due to lack of husks, higher protein and/or gluten content. Rice hulls are recommended for beers with these ingredients.

Caution!

When doing step mashes (heating the wort with the false bottom in place) it is imperative to recirculate the wort while you are heating! The false bottom impedes the natural convection of heat to the mash above the false bottom and traps the majority of the heat below the false bottom. Failure to do so may result in scorching of the wort/grain and possible permanent heat damage to the kettle. This is NOT a warrantable failure. To circulate the wort simply drain the wort into a sauce pan while you are heating and pour it onto the top of the mash while gently stirring. Or if you have a pump, you can simply pump from the kettle drain valve onto the top of the mash while gently stirring the mash. You will find that the mash temperature may overshoot or undershoot a bit after the heat is removed, but after a bit of experience you will be able to predict when to stop the addition of heat.

Maintenance

Always clean the ANVIL False Bottom and allow to thoroughly dry after use. Never use chlorine based products to clean or the false bottom as damage to the stainless steel can occur.

Optional Accessories

Please visit www.anvilbrewing.com for more information on accessories for the ANVIL Brewing Products.

Anvil Brewing Equipment Product Warranty

A. Limited Warranty

1. ANVIL Brewing Equipment warrants to the original purchaser that this product will be free from manufacturing defects in material and workmanship for a period of one (1) year from the date of purchase by the customer. Proof of purchase is required. ANVIL Brewing Equipment's obligation to repair or replace defective materials or workmanship is the sole obligation of ANVIL Brewing Equipment under this limited warranty.
2. This product is for home use only. The limited warranty covers only those defects that arise as a result of normal use of the product and does not cover any other problems, including, but not limited to, those that arise as a result of:
 - a. *Improper maintenance or modification;*
 - b. *Damage due to incorrect voltage or improper wiring by customer;*
 - c. *Operation outside of the product's specifications;*
 - d. *Carelessness or neglect to operate the product in accordance with instructions provided with the product;*
 - e. *Damaging the tamper label on the product;*
 - f. *Damage by over-tightening the fasteners;*
 - g. *Failure to follow cleaning and / or maintenance procedures; or*
 - h. *Exceeding published operational temperatures.*
3. ANVIL Brewing Equipment reserves the right to request delivery of the defective component for inspection before processing the warranty claim. If ANVIL Brewing Equipment receives, during the applicable warranty period, notice of a defect in any component that is covered by the warranty, ANVIL Brewing Equipment shall either repair or replace the defective component with a new or rebuilt component at ANVIL Brewing Equipment's option.
4. ANVIL Brewing Equipment must be notified within seven (7) days of the delivery date of any shipping damage. Customer is responsible for shipping damage outside of this time period. Approval for return must be provided by ANVIL Brewing Equipment prior to any return. Customer is responsible for keeping all original packaging material for warranty returns. ANVIL Brewing Equipment is not responsible for damage from improperly packaged warranty returns, and these repair costs will be the sole responsibility of the customer. Shipping costs for warrantee returns are covered only for the contiguous United States.
5. ANVIL Brewing Equipment's limited warranty is valid in any country where the product is distributed.

B. Limitations of Warranty

1. Any implied warranty that is found to arise by way of state or federal law, including any implied warranty of merchantability or any implied warranty of fitness, is limited in duration to the terms of this limited warranty and is limited in scope of coverage to this warranty. ANVIL Brewing Equipment disclaims any express or implied warranty, including any implied warranty of fitness for a particular purpose or merchantability, on items excluded from coverage as set forth in this limited warranty.
2. ANVIL Brewing Equipment makes no warranty of any nature beyond that contained in this limited warranty. No one has authority to enlarge, amend, or modify this limited warranty, and ANVIL Brewing Equipment does not authorize anyone to create any other obligation for it regarding this product.
3. ANVIL Brewing Equipment is not responsible for any representation, promise, or warranty made by any independent dealer or other person beyond what is expressly stated in this limited warranty. Any selling or servicing dealer is not ANVIL Brewing Equipment's agent, but an independent entity.

C. Limitations of Liability

1. The remedies provided in this warranty are the customer's sole and exclusive remedies.
2. Except for the obligations specifically set forth in this warranty, in no event shall ANVIL Brewing Equipment be liable for direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory and whether or not advised of the possibility of such damages.
3. This warranty does not cover, and in no event shall ANVIL Brewing Equipment be liable for, travel, lodging, or any other expense incurred due to manufacturing defects in material and workmanship, or any other reason.
4. Any performance of repairs after the warranty coverage period has expired or performance of repairs regarding anything excluded from coverage after this limited warranty
5. Shall be considered good-will repairs and they will not alter the terms of this limited warranty, or extend any warranty coverage period.
6. Venue for any legal proceedings relating to or arising out of this warranty shall be in Tippecanoe County, Indiana, United States, which courts will have exclusive jurisdiction.

D. Local Law

1. This warranty gives the customer specific legal rights. The customer may also have other rights that vary from state to state in the United States or other countries.
2. To the extent that this warranty is inconsistent with local law, it shall be deemed modified, only to the extent necessary to be consistent with such local law.