




IP-400

Installation Instructions

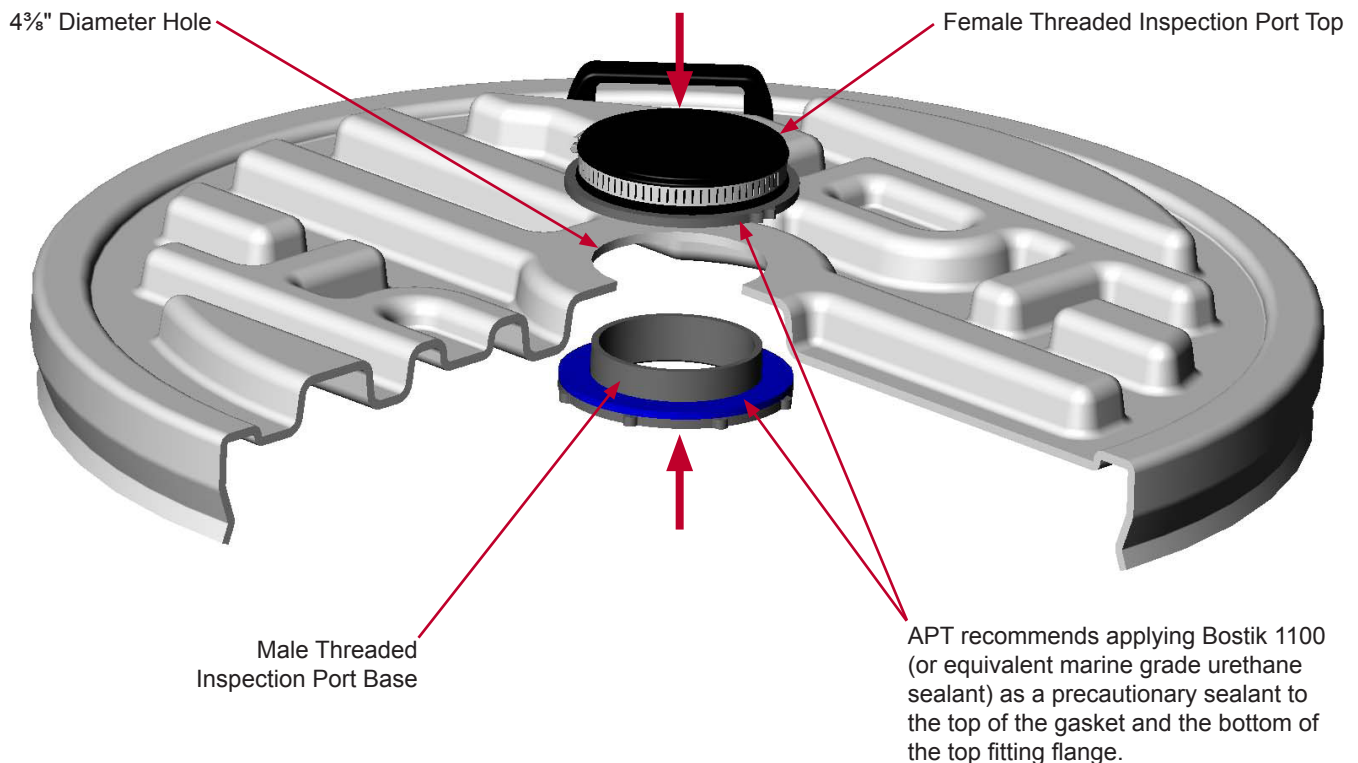
Warning  Follow all federal, state and local laws governing the installation of this product and its associated systems. When no other regulations apply, follow NFPA codes 30, 30A and 70 from the National Fire Protection Association. Failure to follow these codes could result in severe injury, death, serious property damage and/or environmental contamination.

Procedure

1. Using a 4^{3/8}" hole saw, drill out the hole for the IP-400 in the center of the sump lid.
2. De-burr the hole to remove any rough edges.
3. Thread the two halves of the Inspection Port together through the sump lid. The IP's threaded plastic ring goes inside of the sump while the cover portion with the gasket goes on the outside of the sump. **Do not remove the gasket - it is permanently adhered to the fitting and removing it could cause the seal to fail.**

Note: APT recommends applying Bostik 1100 (or equivalent marine grade urethane sealant) as a precautionary sealant to the top of the gasket and the bottom of the top fitting flange.


Note: The optional APT Bulkhead Tightening Tool (BTT-008) can be used to evenly distribute torque on the compression ring.



(cross-section of sump lid shown in diagram)

IP-400-B

Installation Instructions

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Note: The following procedures are the same for all APT sumps.

Preparation- Using the Adhesive Template

1. Remove the protective covering from the adhesive-backed drilling template and apply the template to the center of the sump lid.
2. Using a 5/16" drill bit, drill out the set of mounting holes that apply to your entry boot.
3. Use a 3½" hole saw to drill out the pipe entry hole.
4. Remove the paper template from the sump wall so that the entry boot seals properly against the sump.
5. De-burr all of the holes to remove any rough edges, then proceed to Step 6 in the Completing Inspection Port Installation section.

Preparation - Using the Steel Drill Template

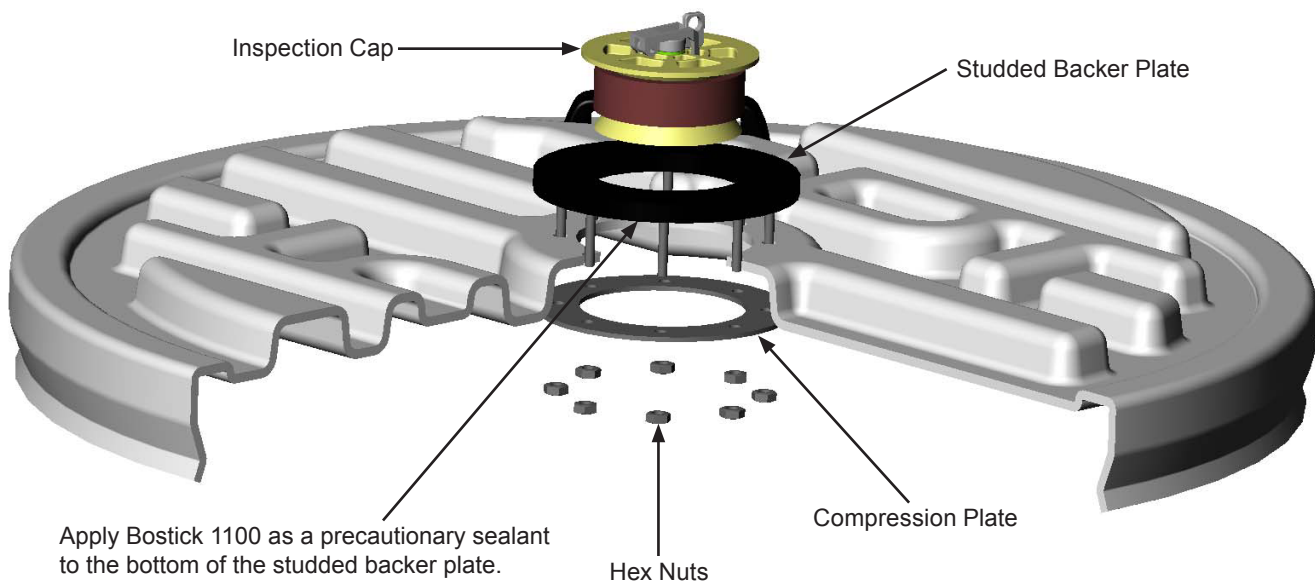
1. Place the self-tapping screw in the center hole of the steel drill template and screw the steel drill template to the sump in the center of the lid.
2. Next, spin the steel template so that the hole locations do not run straight up and down. Using a 5/16" drill bit, drill out the first mounting hole that applies to your entry boot and push the wooden dowel in the hole to prevent the template from spinning.
3. Using a 5/16" drill bit, drill out the rest of the mounting holes that apply to your entry boot. Remove the dowel and unscrew the steel template from the sump.
4. Use a 4" hole saw to drill out the pipe entry hole.
5. De-burr all of the holes to remove any rough edges, then proceed to Step 6 in the Completing Inspection Port Installation section.

Completing Inspection Port Installation

6. From the top (outside) of the sump lid, insert the backer plate/stud assembly – tap it in with a rubber or plastic mallet if required.

Note: APT recommends using Bostik 1100 (or equivalent marine grade urethane sealant) as a precautionary sealant between the sump wall and the backer plate/stud assembly.

7. Add the compression plate and hex nuts to the backer plate/stud assembly.
8. Using a 7/16" socket, tighten all of the nuts using a cross pattern until the boot is sealed.
9. Insert the yellow inspection cap from the outside of the sump lid so that the handle is facing outwards.
10. Turn the inspection cap's handle until the gasket expands to form a watertight seal.



(cross-section of sump lid shown in diagram)



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