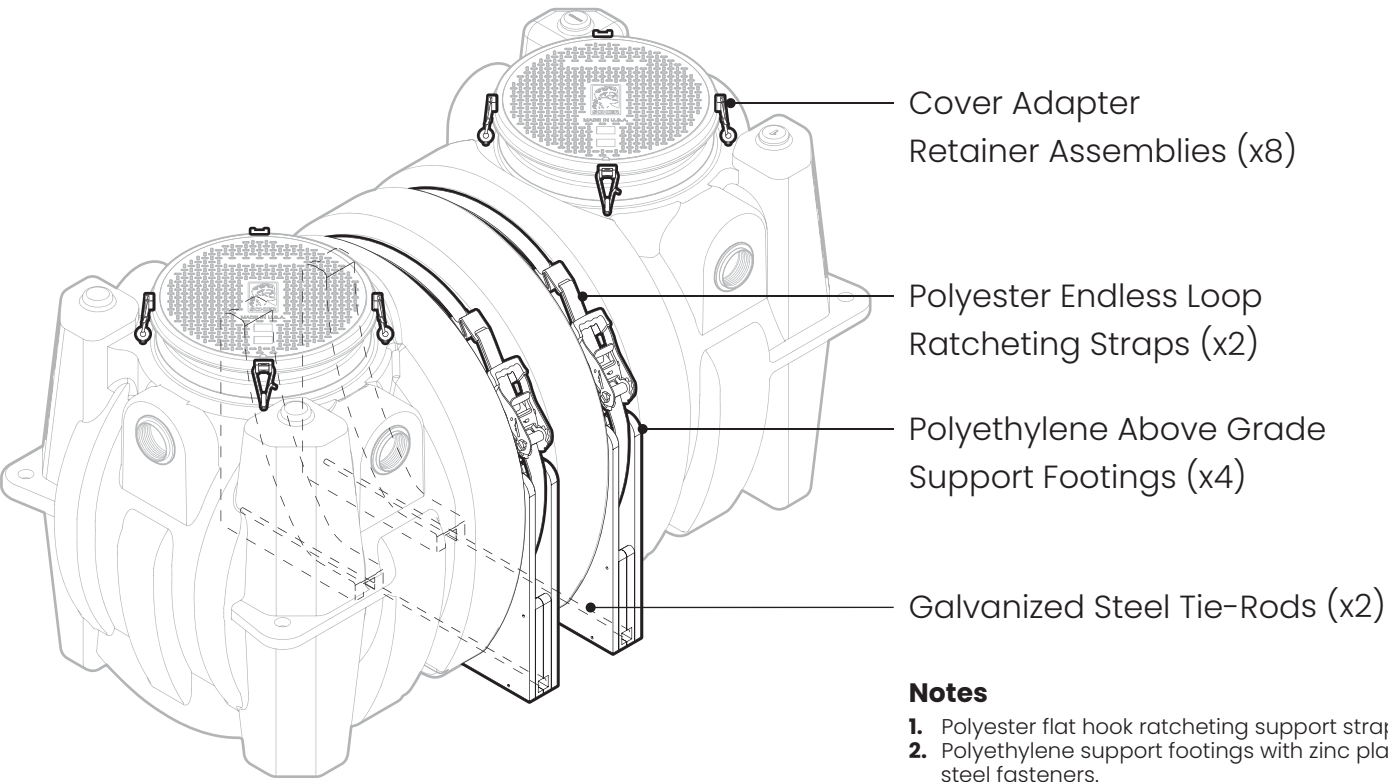


SPECIFICATION AND INSTALLATION GUIDE

AGS2 Above Grade Support Kit for use with Grease Interceptor Model GB-500



Cover Adapter
Retainer Assemblies (x8)

Polyester Endless Loop
Ratcheting Straps (x2)

Polyethylene Above Grade
Support Footings (x4)

Galvanized Steel Tie-Rods (x2)

Notes

1. Polyester flat hook ratcheting support straps .
2. Polyethylene support footings with zinc plated steel fasteners.
3. Galvanized steel lower tie rod and hardware.
4. Heavy duty nylon cable ties and mounts with stainless steel fasteners.

Engineer Specification Guide:

Above grade support kit for use with model GB-500. To consist of (2) polyester flat hook ratcheting tie-down straps; (4) polyethylene support footings (with zinc plated steel fasteners); (2) 3/8"-16 galvanized all-thread rod, nuts and washers; (8)sets of nylon cable ties and cable mounts; and (8)sets of 316 stainless steel screws, eyebolts and nuts.

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SCHIER
LIFETIME GUARANTEED
GREASE INTERCEPTORS

MODEL NUMBER:
AGS2

DESCRIPTION: Above Grade Support Kit for Model GB-500

PART #: 8020-004-01

DWG BY: B. Karrer

DATE: 4/10/2019

REV:

ECO:



SPECIAL PRECAUTIONS

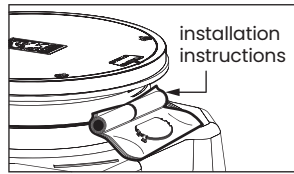
For Schier Grease Interceptor Installations – Failure to follow this guidance voids your warranty

⚠ WARNING! DO NOT AIR TEST UNIT OR RISER SYSTEM!
Doing so may result in property damage, personal injury or death.

⚠ CAUTION! Do not install this unit in any manner except as tested and rated.

Installation Instructions

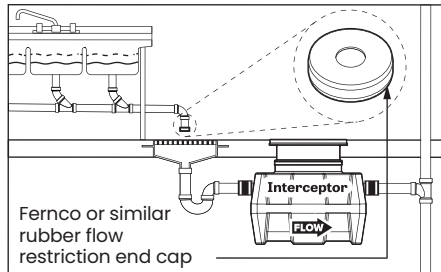
Installation instructions and additional components are included with the interceptor. Read all instructions prior to installation. This interceptor is intended to be installed by a licensed plumber in conformance with all local codes.



When Installing Interceptor Inside

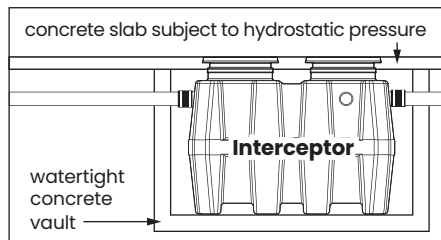
If your dishwashing sink(s) discharges into a floor drain/sink (drain), you must regulate the flow into the drain to avoid an overflow of water onto the kitchen floor. This can be done by installing a valve or flow restriction cap on the sink piping that discharges into the drain. See drawing for guidance. For detailed guidance on indirect connections, go to:

webtools.schierproducts.com/Technical_Data/Indirect_Connections.pdf



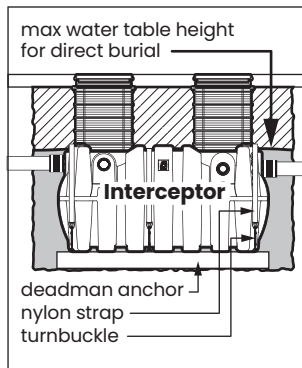
Hydrostatic Slabs (or Pressure Slabs)

When installed under a hydrostatic slab (slab designed to withstand upward lift, usually caused by hydrostatic pressure) interceptor must be enclosed in a watertight concrete vault.



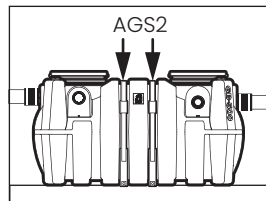
High Water Table Installations

Interceptors and risers are not designed to withstand water table height in excess of the top of the unit when buried (see figure). If it is possible for this to occur, install the interceptor and risers in a water-tight concrete vault or backfill with concrete or flowable fill (wet concrete and flowable backfill should be poured in stages to avoid crushing the interceptor). At risk areas include but are not limited to tidal surge areas, floodplains and areas that receive storm water. Great Basin™ models that are direct buried in high water table scenarios must be installed with an anchor kit. Models GB-50, GB-75, and GB-250 use model AK1 anchor kit. Model GB-500 uses model AK2 anchor kit for use with deadmen anchors.



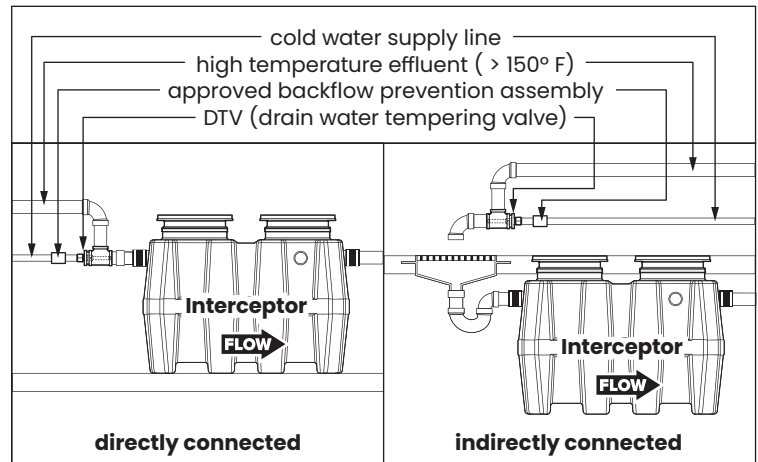
Above Grade Installation Support (for Model GB-500 Only)

The wet weight of the interceptor combined with high temperature kitchen water creates the potential for tank deformation when installed above grade. Model GB-500 installed above grade must be installed with Above Grade Support Kit model AGS2 to maintain structural integrity.



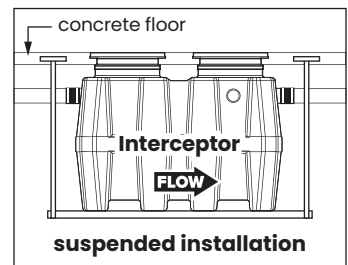
High Temperature Kitchen Water

If water is entering the interceptor at excessive temperature (over 150° F), a drain water tempering valve (DTV) and approved backflow prevention assembly must be installed. Most state and local plumbing codes prohibit water above 150° F being discharged into the sanitary sewer. Water above 150° F will weaken or deform PVC Schedule 40 pipe, poly drainage fixtures like interceptors and erode the coating of cast iron (leading to eventual failure).



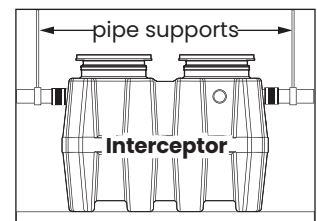
Fully Support Base of Unit

Install unit on solid, level surface in contact with the entire footprint of unit base; for suspended installations design trapeze to support the wet weight of the unit. Do not partially support unit or suspend unit using metal U-channel to create a trapeze.



Support Inlet and Outlet Piping

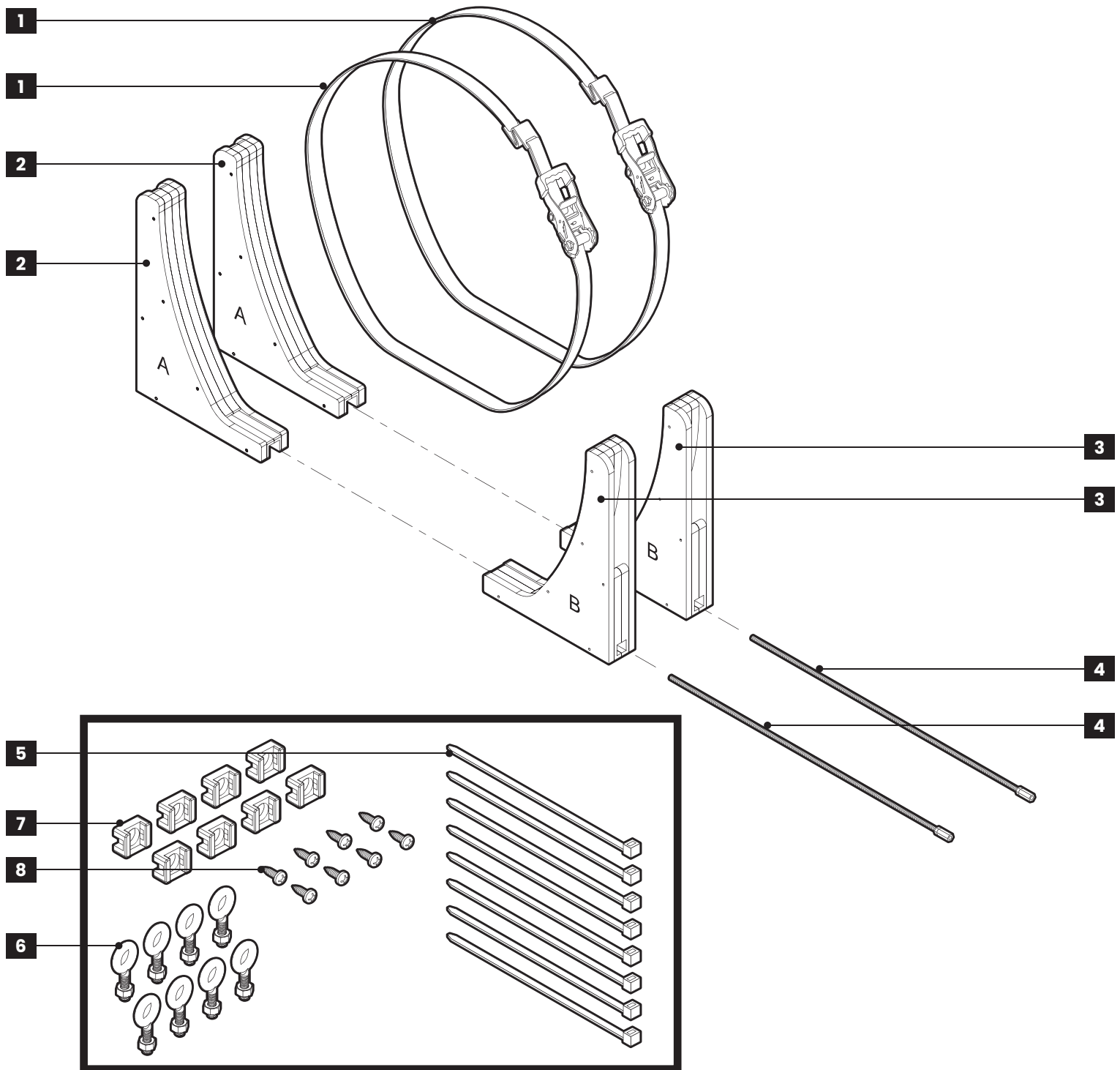
For above grade installations ensure heavy inlet and outlet piping (such as cast iron or long runs) is properly supported or suspended during the entire installation process to prevent connection failure or damage to bulkhead fittings.



DO NOT COMPACT BACKFILL



GETTING TO KNOW THE AGS2

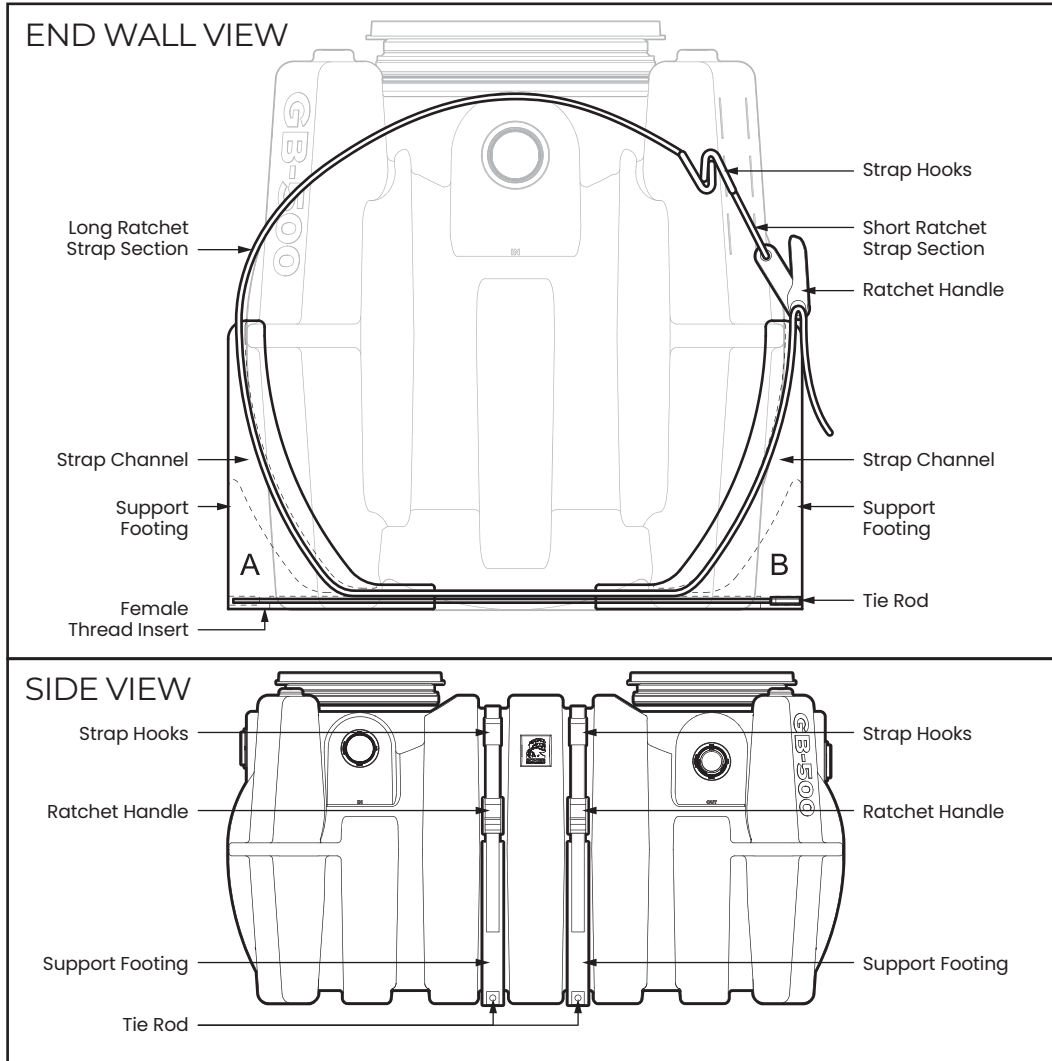


- | | | |
|---|--|---|
| <ol style="list-style-type: none"> 1. Heavy Duty Polyester Flat Hook Ratcheting Straps (x2) 2. Support Footing A (with female threaded insert) (x2) | <ol style="list-style-type: none"> 3. Support Footing B (x2) 4. Galvanized Steel Tie Rods (x2) 5. Heavy Duty 18" – 120 lb. Cable Tie (x8) | <ol style="list-style-type: none"> 6. Stainless Steel Eyebolt and Nut (x8) 7. Cable Tie Mounts(x8) 8. #10 x 3/4" Phillips Head Stainless Steel Screws (x8) |
|---|--|---|

INSTALLATION

1 Install Support Footings and Ratcheting Straps

GENERAL ARRANGEMENT



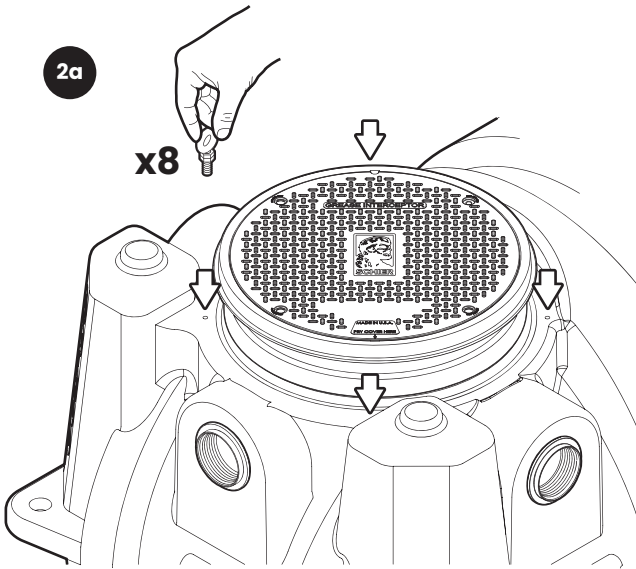
1. Place the Support Footings to either side of the tank in-line with the central structural ribs as shown. Initially leave some space between the tank and the footings to make routing the straps easier.
2. Feed the plain ends of the long strap sections through the strap channels of Support Footings "A" as shown. Continue feeding the straps underneath the tank and through the strap channels in Support Footings "B". Feed the straps into the ratchet handle axles and hook the long and short strap sections as shown. Pull the loose strap end through the ratchet to draw the Support Footings up against the tank. **Make sure straps go through the strap channels and are not underneath the footings. Straps should lay flat and have no twists.** Use the ratchets to put just enough tension on the assembly to prevent it from moving during the next step.
3. Feed the Tie Rods through Support Footings "B", underneath tank and screw into the female threaded inserts in Support Footings "A" using a 5/8" socket until snug.
4. Raise and lower the Ratchet Handles until straps are taut. Tighten Tie Rods to 20 ft./lbs. **Do Not Overtighten!**

INSTALLATION

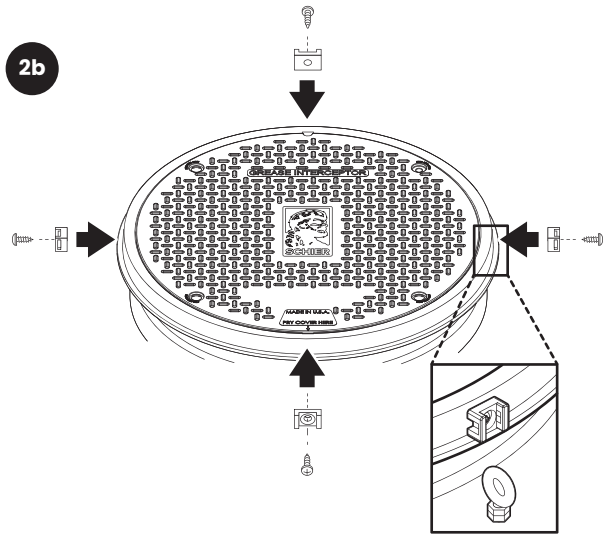
2 Secure Cover Adapters

Above grade installations require additional cover adapter retainer hardware to secure the cover adapters to the interceptor body in the event of increased head pressure conditions.

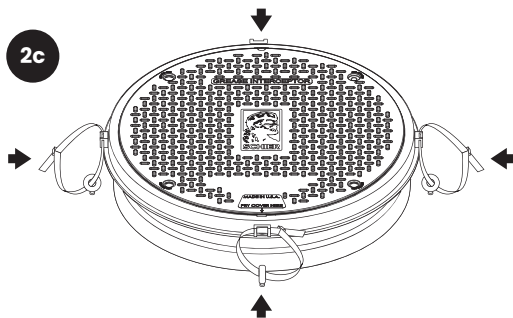
NOTE: Ignore this step if CC2 Membrane Clamping Collar Kit is installed.



Remove insert plugs, then hand tighten Eyebolts into threaded holes surrounding **both** accessways.



Install Cable Tie Mounts onto rim of **both** cover adapters as shown using #10 x 3/4" screws. Make sure Mounts are located directly above Eyebolts and are positioned for horizontal Cable Tie placement.



Loop Cable Ties through all Mounting Holes and Eyebolts and securely tighten.

