



Float and Float Guide Kit

This document contains the recommended procedures installing a Hawkeye Industries Float Guide Kit.

Requirements

Ensure that the tank has been prepared to accept a float guide kit. Refer to the Tank Preparation instructions for details on modifying a tank to accept the Hawkeye Float Guide Kit.

Note that a Hawkeye Polyethylene or Stainless Steel float must be installed simultaneously with the Float Guide Kit.

Contents

- A.) Installing the Float Guide Kit
- B.) Installing the Float Guide kit on In-Service Tanks

Tools

- ▶ 3/8 5/16 and 9/16 wrenches
- ▶ Pipe Wrench
- ▶ Cable Cutter
- ▶ Screw Drivers
- ▶ Thread Sealant
- ▶ Vice Grips

Parts Required

QTY	Part
▶ 1	Float Guide Kit
▶ 1	Polyethylene Float <i>OR</i>
▶ 1	Stainless Steel Float

A.) Installing Float Guide Kit

1.)

Insert the end of the cable with the strap fork from the float guide cable lock assembly into the 1-1/4 NPT couplings and feed it down into the tank.

2.)

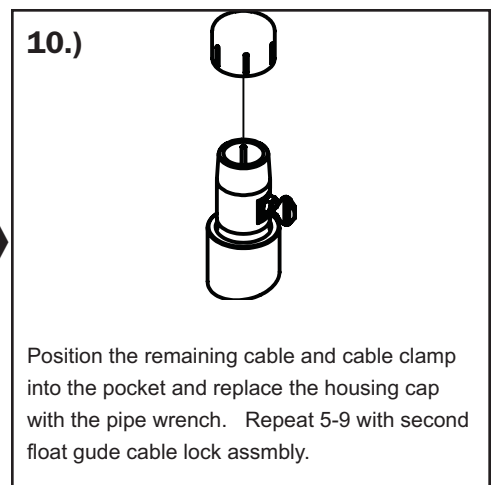
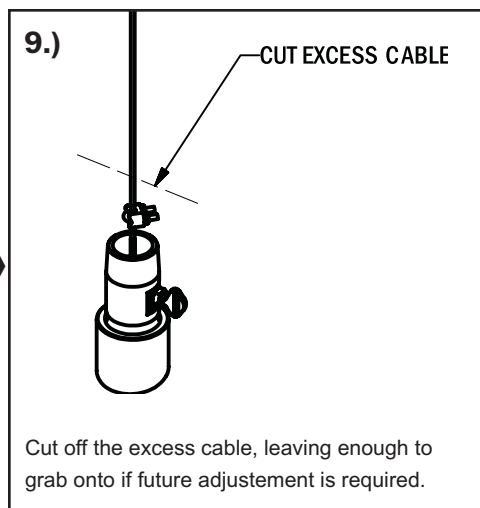
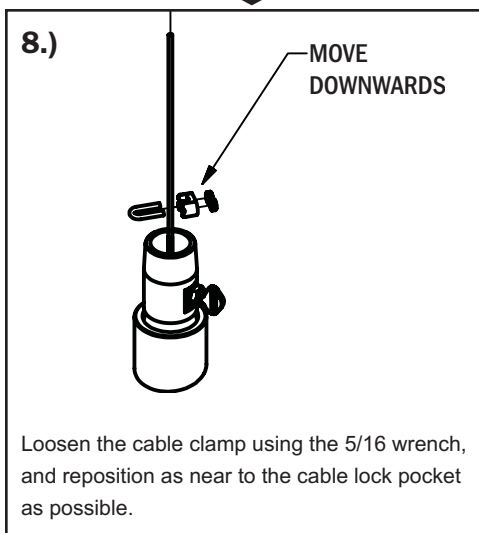
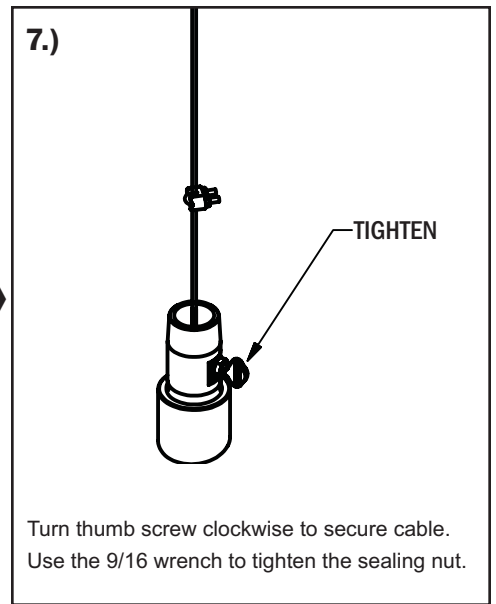
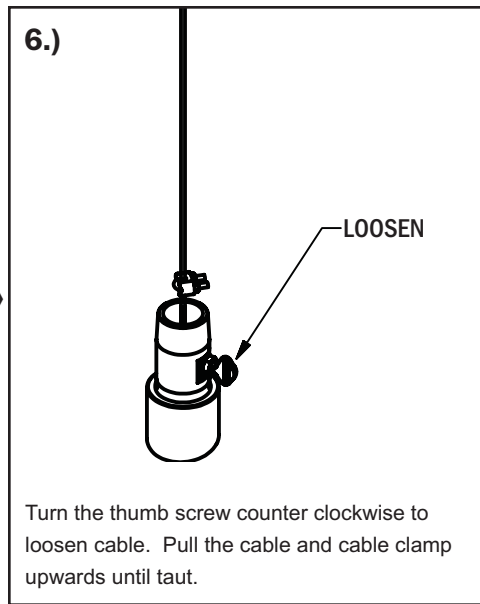
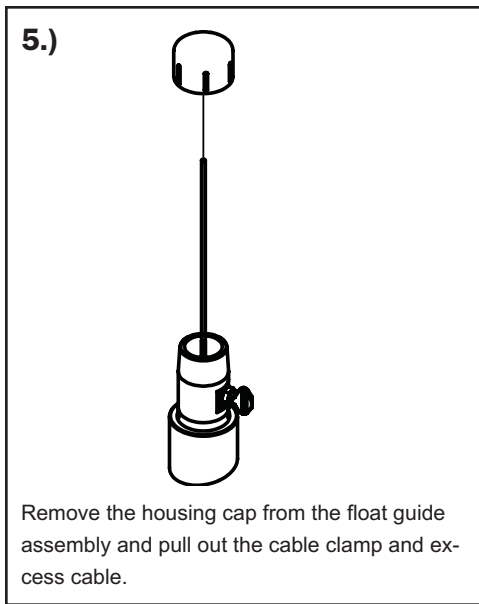
Apply thread sealant on the bottom threads of the float guide cable lock assembly housing and install into the 1-1/4 NPT coupling with the pipe wrench. Repeat with the second float guide cable lock assembly.

3.)

From inside the tank, run each cable through corresponding guide hole on the float.

4.)

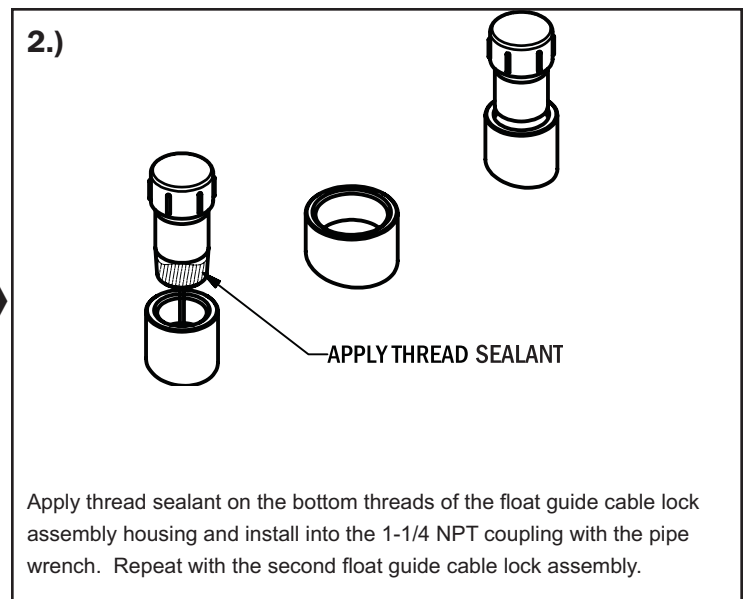
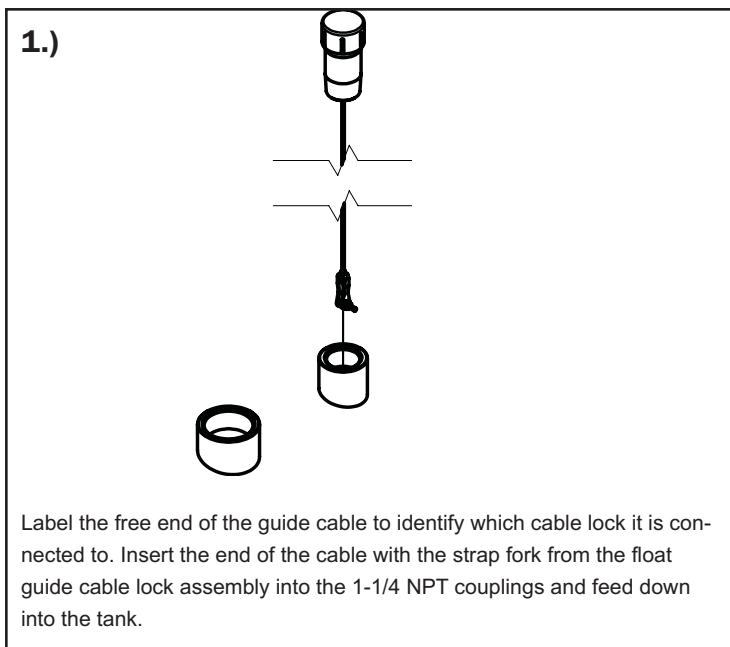
Attach the strap forks to the corresponding rings of the float cable guide anchor with the 10-32 UNF machine screws and lock nuts provided. Ensure that the guide cables are not twisted.



Float Guide Kit Installation Complete

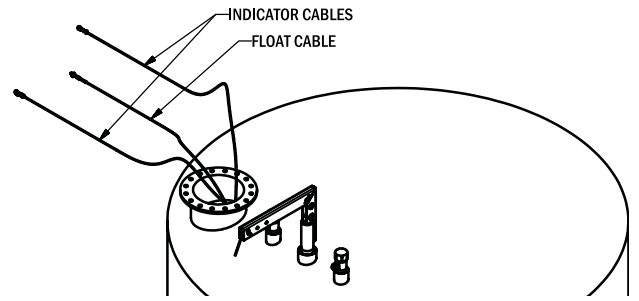
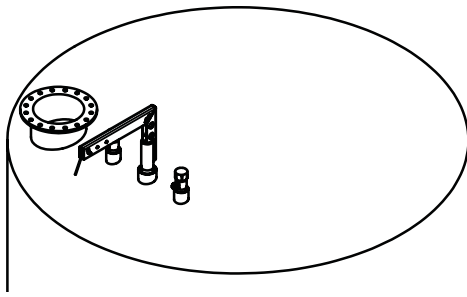
B.) Installing Float Guide Kit on an In-Service Tank

If the tank is in service and/or internal access is impossible, the float guide kit may still be installed with the aid of a hook long enough to reach from the thief hatch to the float guide couplings and a Hawkeye float cable guide anchor plate.



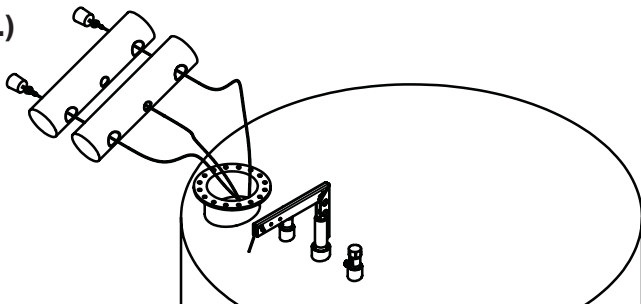
Before continuing with the remainder of the Float Guide Kit Assembly, install the gauge head as per its supplied instructions, ensuring the float cable is hanging freely inside the tank.

3.)



Using the hook, reach into the tank through the thief hatch and grab the float guide cables, the float cable from the gauge head and pull them out of the thief hatch.

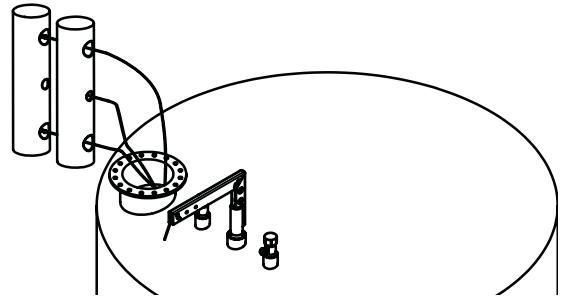
4.)



Run the guide cables through the two guide holes of the poly float and attach the float cable from the gauge head.

Attach the strap forks to the eyebolts per poly anchor leaflet using the provided 10-32 UNF machine screws and lock nuts.

5.)



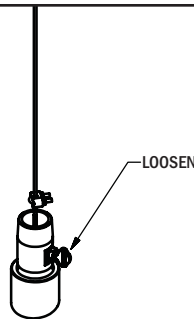
Feed the cables back into the tank from the hatch, followed by the float. Hold the guide cable between the float and the anchor, and ease the anchor into the tank through the thief hatch and onto the tank floor.

6.)



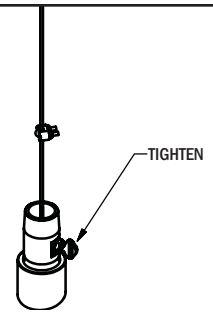
Remove the housing cap from the float guide assembly and pull out the cable clamp and excess cable.

7.)



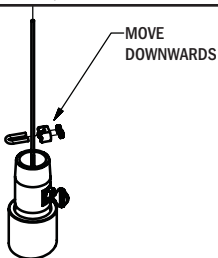
Turn the thumb screw counter clockwise to loosen cable. Pull the cable and cable clamp upwards until taut.

8.)



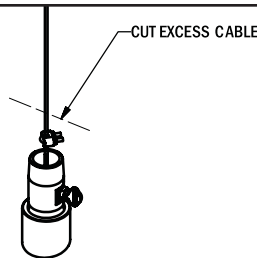
Turn thumb screw clockwise to secure cable. Use the 9/16 wrench to tighten the sealing nut.

9.)



Loosen the cable clamp using the 5/16 wrench, and reposition as near to the cable lock pocket as possible.

10.)



Cut off the excess cable, leaving enough to grab onto if future adjustment is required.

11.)



Position the remaining cable and cable clamp into the pocket and replace the housing cap with the pipe wrench. Repeat 5-9 with second float guide cable lock assembly.