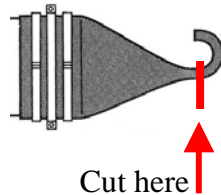


Contents: The bill extension kit includes one container of rubber and gasket cement, one paint brush and #10 stainless steel screws. After the bill extension is unpacked, perform the following steps to install the bill extension onto the existing Tideflex® Check Valve.

Note: The valve needs to remain dry during the process. Ambient temperatures should be at least 60° F for best results.

1. Remove the curve of the bill to a point that it is straight out, leaving as much straight bill as possible.



2. Measure the cuff depth of the bill extension (i.e.: how far the extension will slide onto the existing bill.)

3. With a grinder, buff the top, bottom and both sides of the outside surface of the existing bill until clean of mud, dirt, etc. You will not need to buff the entire bill length. Only buff slightly more than the extension's cuff depth as measure in step 2.

4. Wipe down the buffed surface with alcohol until free of dust and particles.

5. Inspect the cuff of the bill extension. Remove dust and particles with alcohol.

6. Apply a generous amount of rubber cement to the buffed surface. ***Make sure no cement gets into the bill slit as this will prevent the valve from opening.***

7. Working quickly, while still wet, slide the top end of the extension onto the existing bill. Then pull the rest of the extension onto the existing bill, making sure that it slides to the dept measured in step 2.

8. Press the extension down in all places so that it is adhered to the existing bill.

9. To assist the extension in adhering to the existing bill, screw the #10 stainless steel pan head screws through the extension and into the existing bill. Locate screws along the perimeter of the extension at approximately one foot increments.

10. Put 2" x 6" pieces of wood on each side of the bill. The 2 x6's should be slightly longer than the bill height.

11. Install C-clamps along the height of the bill to clamp the two pieces of wood together which will allow the extension to adhere to the existing bill. Allow the extension to ***cure for 24 hours.***

12. Verify that there are no gaps at the top or bottom of the assembly. If gaps exist, fill with silicone sealer.

13. After 24 hours, remove the C-clamps and 2" x 6" pieces of wood.



**See additional installation photos
on page 2.**



Use water to remove loose debris and accumulated dirt.



Remove hard deposits with metal scraper, wire brush, or angle grinder.



Prepare surface with thinner or toluene. Apply adhesive* around entire circumference of bill.



Slide extension onto bill, and fasten with stainless steel screws* spaced one inch apart.



Place a 2 x 4 on either side of the bill, and use C-clamps to hold tight while adhesive sets.



Silicone caulk can be applied along the edge of the bill for extra protection.

* Supplied by Tideflex Technologies.