

INSTALLATION INSTRUCTIONS

1. Remove the assembled unit from the box.
2. Mount the unit to the side of your tank (hardware is not provided), or the Diverter, if being used. The unit may be oriented in almost any direction, including upside down, as long as care is taken not to allow liquid flow to the motor.
3. Plug the unit into an appropriate outlet.

MOTOR SPECIFICATIONS

- 100/120v, 1 phase, 60/50Hz, .75LRA, 82w, .11hp, 28 rpm, fan-cooled
- 200/220v, 1 phase, 50Hz, 23 rpm, .31 LRA, 65w, .087hp, wired for use at 200/220v; uses red and white leads (or) contact us for use at 220/240v; uses red and black leads, 8' 2-prong cordset
- 110v, 60Hz, 7 rpm, .7 amps, 1 phase, 77w, .1 hp
- Non drip-proof motor
- Under normal conditions, the unit needs to be operated just a few hours per day

WARNINGS!

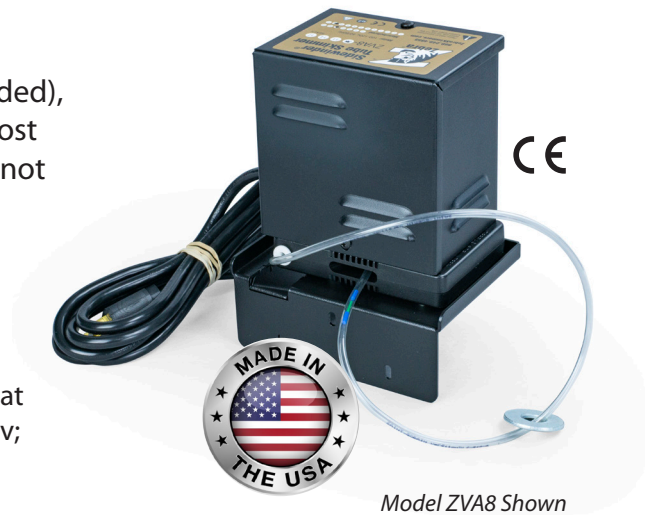
- For lifting oil from machine sumps only
- Do not immerse motor in any liquid
- Shield motor from spray
- Do not use in explosive atmosphere
- Per NEC regulations, a ground fault interrupt must be installed

WARRANTY

- All parts are warranted for a period of one year
- Orienting the Sidewinder unit in such a way as to allow liquid flow to the motor will void all warranties
- Per NEC regulations, a ground fault interrupt must be installed

REPLACEMENT PARTS

- Under normal operation, Sidewinder can last for up to five years before wear abrades the outer diameter of the tube and the depth of the drive gears.
- The most common replacement item is the cartridge. These self-contained units include the tube (o-ring), drive gears, and gear case. Individual parts of this cartridge may not be purchased separately.
- Motors are available for replacement inside the motor housing.



**For any technical questions
or product support, please
contact Zebra® Skimmers at
888.249.4855**



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TUBE REPLACEMENT INSTRUCTIONS

Step 1: To access the cartridge remove the base plate from the skimmer unit using the 3 screws and washers mounted to the bottom of the unit.

Step 2: Replace the tube in the cartridge following the instruction below.

For Model# ZVA8 ("G")

- After removing the cartridge from the complete skimmer assembly, position it so the tube is facing you and the ceramic washer is on the left. Refer to **Figure A**.
- Remove four flat head screws and separate cartridge halves. Do this with caution, as the interior of the cartridge contains grease.
- Install new tube assembly as shown. Note the location of the ceramic scraper, positioning it so the raised writing is facing away from the cartridge.
- Replace upper cartridge half. Refer to **Figure B**.
- Refasten the cartridge by replacing the four screws from step 2b. Do not overtighten, using 9 in. lbs. only.
- Hold the assembled cartridge in one hand while pulling the tube through. Refer to **Figure C**. This pull test will help to verify that the tube is seated correctly within the gear drive mechanism.
- Reassemble the entire skimming unit. Refer to pictures below.

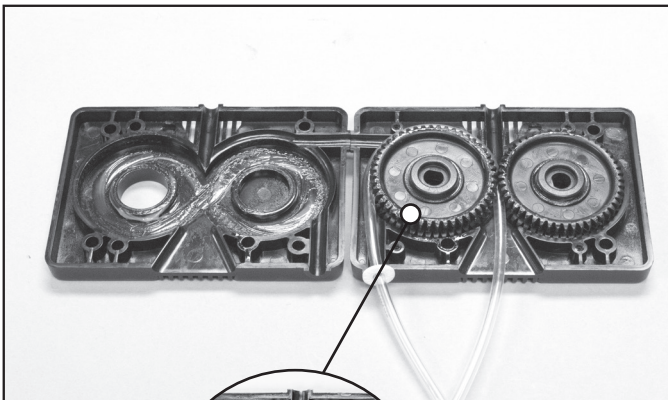
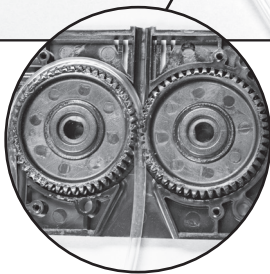


Figure A



Circular markings on the inside of gears must be facing up.

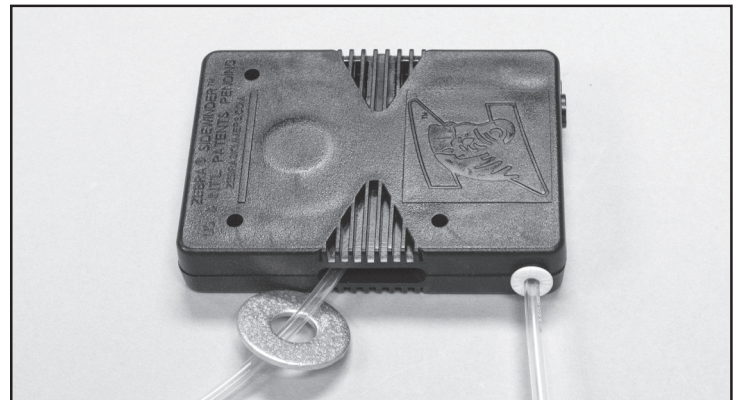


Figure B. Once assembled the white ceramic scraper is on the right and the Zebra® logo will be visible

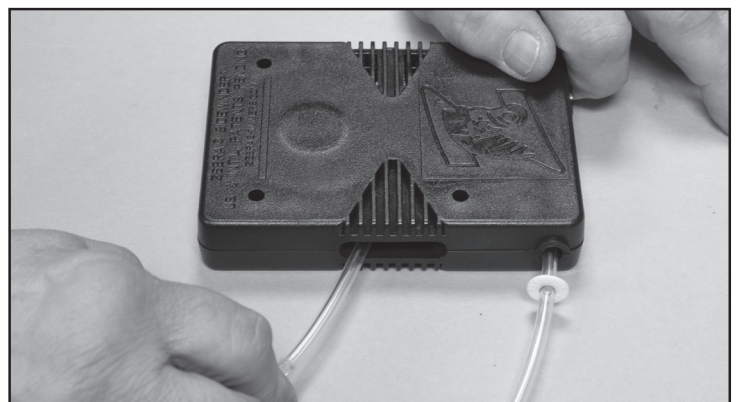


Figure C. Confirm installation is correct by doing a pull test to verify tube is seated correctly. Note correct placement of white ceramic ring.