

**Please READ ALL of the instructions & trouble shooting tips, before using your decoy. Non-electronic decoy.**

1. **Open the box** carefully and remove all of the parts. If there is freight damage start freight claim immediately with the shipper. Save the box and take pictures (Aero cannot process a claim once it leaves our warehouse).
2. **Contents:** Decoy w/mechanism, 2 Wings (right & left), 2 feet, pull string & holder, 1 stake, extra screws & drive bands.
3. **Attach Feet:** Best to use magnetic Phillips screw driver. Place the bolt on end of Phillips screw driver; insert the Phillips screw through the foot & foot hole. On decoy bottom, insert foot with screw into the screw receptacle.
4. **Check wing couplers - tighten if needed.** Allen wrench provided for these set screws. Then tighten. Keep wrench to use as needed in the field. If loose, add some Loctite to ensure the set screws stay tight
5. **Check drive pulley.** Set screw may need to be tightened. Uses a different allen wrench. Use Loctite to keep secure.
6. **Balanced Wings. Wings need to spin evenly on both sides. VERY IMPORTANT!!** Most wings come from the factory balanced, but there will always be a few which need adjustment. If not balanced, they will cause the Flutter-Wing to make some noise and vibration. Test: Put your two middle fingers about 5 or 6" apart along where the wing rod/shaft is located inside the wing, balancing the center of the wing, on those fingers. If it is not balanced, check to see if the flutes in the wings match, up by overlaying the wings. Adjust by changing the shaft from one flute to another. However some times only a slight adjustment is needed; a small weight such as a piece from a wood Chinese chop stick (about 2") inserted into the edge of the wing that tilts up works. Only push it part way in and rebalance on your fingers to see if that is enough or too much. Add or subtract a larger or smaller portion of the chop stick as needed to perfectly balance each wing and then push it all the way into the wing slot. Silicone in the end of the flute with very little silicone, to not increase the weight! See next info on silicone.
7. **To prevent the wings from sinking, seal the wing channels.** Identify the wing shaft and the channel it is inserted into. Then along the outer edges on 'both ends', apply just enough sealant (silicone) on an equal number of channels on the wing. This seals the channels, forming air pockets. Use a small dab to seal channels **do not** fill all the wing flutes; need to ensure the wings stay balanced when they spin. Check balance (see #6) If needed add some more silicone to balance wings.
8. **Wings:** Insert the wing into the coupler. The dark side up, curved edge towards the back. Tighten thumb screw on the connector. Make them snug with a Leatherman or pliers. Repeat on the other side. Check the wing connectors before each hunt, to insure that they are tight. Be careful not to bend the wing shafts. Need to straighten to have balance & proper rotation.
9. **Drive string & grommet.** Can re-thread the drive string up & exit the head for a direct pull which is easier due to less resistance. If you leave the drive string thru eyelet, make sure the string does not rub against the decoy body Trim the body more to ensure no contact= wear/ string break Try the string pulled from far left & right, to ensure no contact. The string should hang out the decoy about 1 1/2" from eyelet or head. Take a wrap off the pulley to allow for this. If the grommet is close eyelet or head, it will make noise as it bounces against it. Also make sure the string knot on the grommet is secure.
10. **Lubricate** from the outside of the decoy through the wing shaft hole, at the point where the wing shaft enters the metal yoke. Use thin low temp gun oil ( such as Remington gun oil spray). Squirt a small amount both sides. Repeat as needed.
11. **User Pull String on kite handle:** Attach user string to O-ring.
12. **Positioning around blind:** If you have the string fed through the eyelet on the stake, about 1 foot above the water or higher to allow dog to go over the string. If setting on land 6" above ground or higher. Set the decoy facing into the wind. If you have the string fed thru the head, the decoy should have the head facing towards you, so you can pull the string with a direct pull towards you. But, if the decoys position is not facing you thread thru the stake for best action. When not in operation, ducks should only see the black side of the wings.  
Note: some have had success with the FW placed behind the blind. Experiment to see what works for you experiment with location, height and activation.
13. **Wing position.** The wings will return to black side up when not in motion, to reduce flaring of birds. You can angle the wings with black side up, but angled towards the incoming ducks. So when you stop the action the incoming ducks don't see the wings at all! Then place other decoys around it. The Flutter-Wing should not be focal point when ducks are landing. Decoy rotates on stake to align to user in the blind.
14. **Stake. 20" button lock stake with triangle stabilizer included.** Do not hammer end because it will not fit into the body receptacle. Order separately: Extension stake set with 2 sections & foot insert available. Use 1/2" rebar to hammer for deep water. With added extension set, the included stake stay on the bottom stake to insert into the ground.
15. **Motion: Pull out a couple inches, make quick, even rhythmic, smooth strokes back & forth, about 2-3" long with wrist action.** Same motion whether birds are near or far. DO NOT pull all the way out & back, or pull all the way out and let go.... this may snarl up the drive string/line. Allow the string to re-spool gradually. - Do not yank or pull hard. This exerts more tension on the line, makes the decoy harder to work, will pull the decoy over and creates more human body movement. Typically wing action is not needed when birds are committed. Activate to attract, (just like a call) then let 'em come.
16. **Proven effective. Wing flash like a real duck. You control the wing action & work the birds.**  
No battery noise, no wing action too slow or too fast and no wind to depend upon. Plus, No batteries to buy!



## Repair

1. **If your string un-spools:** Rotate the wings backward with one hand, as you gently pull the string all the way out at the same time. Then allow the string to slowly rewind back onto the pulley inside the decoy.
2. **To replace the string:** Tie the string through the holes on the pulley. Knot very securely. Wrap the pulley 7 times in proper direction (counter clockwise looking into decoy from the right hand wing hole). Might be easier to remove the mechanism from decoy. Tape the string to pulley & re-insert mechanism. Unwrap string to **leave 3-4 wraps** & thread string through pull hole, attach rubber washer & set tensioning in the next section.
3. **To replace Band:** Start with band on top of pulley, turn one end of band under pulley on head side, then insert thru band loop and pull toward back. Loop must go behind pin. Then stretch remaining band loop around tab on back of plate.

Picture shows inside of the decoy string and drive band in the 2010 Flutter-Wing decoy.



**AT EACH HUNT:** As you put out your decoy, make sure the thumb screws are tight against the flat spot on the wing shaft, when you insert the wings & the drive string is not rubbing against anything. Adjust the wings to black side up and angled back slightly.

**SUGGESTIONS FOR USE:** Use as an attractant. Not necessary to keep activating wings, until they land, unless it works for you. Usually once the birds have turned and are coming your way, just get ready for the shot. The wings return to the black side up, as a bird just landing. If the birds need more encouragement, activate again. Do not move or call too much, and insure you are well hidden and blending into your setting, so the birds can not identify your location.

**OPPS!! The mechanism got wet.** The decoy is not a swimming decoy but typically will work just fine if promptly rinsed off with fresh clean water (not salt water) and dried. Critical to rinse well when dropped into salt water. Dry- Use a hair dryer. Dry before storing. (Sorry, no warranty applies.)

**TRANSPORTING: NEW-Bag is improved with draw string along with grommets to hang in trailer or?** Place wings on top of each other and insert in plastic bag before putting into nylon bag, to keep decoy and wings from scratching and paint wear against each other. You should remove the wings to keep from bending the shaft; but handle with increased care to insure no damage or dropping of the decoy. Do not stack things on the decoy with the wings inserted. Take the extra drive band, screws, allen wrench with you.

**MAINTENANCE & STORAGE:** Clean with mild dish soap and gently brush. Dry & store in dry location. Replace the band as needed.

**Warranty:** Only against manufacture defects, for the 1st year after date of purchase, to original purchaser. Call before returning-most issues are solved on phone. No warranty from any mis-use or abuse, salt water damage, modifications or lost parts. Not liable for shipping damage. Need RGA (return goods authorization) number, include copy of purchase & ship pre-paid standard. No repairs will be done without previous authorization. Maintenance and refurbishment is available.

**ENJOY. With proper care your FW will last for many seasons.**