



# Phoenix Ear Tag Mounting Guide

## Phoenix Ear Tag Mounting Options

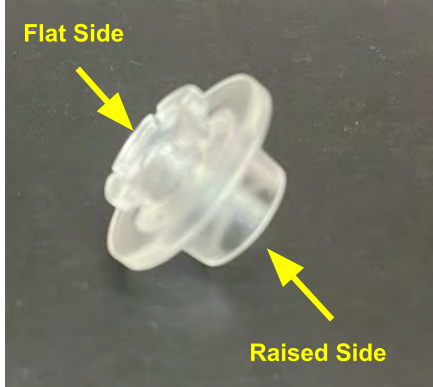

The Phoenix offers two methods for mounting, A) using the Ear Tag method, or B) using a Strap/Collar method.

### Product Kit

Note: The product kit ships only with the following parts.


Qty	Name	Photo
1	Phoenix	
1	Mounting Strap	



1	Female Socket	
1	Male Pin	

## Tools and Parts Required

NOTE: Tools and parts not provided by North Star, but suggested for installation.

1	<p>Crimping Tool</p> <p><b>!</b> NOTE: The Crimping Tool is not included with the product kit. The crimping tool (Allflex Universal Total Tagger or compatible) can be purchased locally or via online shops readily.</p>	
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## Ear Tag

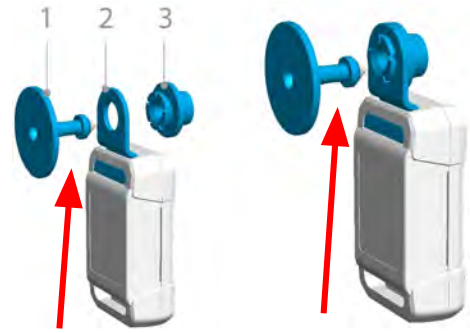
**⚠** NOTE: Ear tag components are clear plastic and not blue as shown in the example. Color is used in the computer generated image to help the user clearly identify each component.

### Components of the ear tag

1. Male Pin: Pin for piercing the ear
2. Mounting Strap
3. Female Socket: Must be mounted in Mounting Strap #2  
Note: Flat Side of the Female Socket is facing the back of the Phoenix and the Raised Side is facing the solar panels.

### Tools necessary for installation

1. Crimping Tool
  - a. Allflex Universal Total Tagger
  - b. (or) Most universal taggers will work
2. Phoenix
3. Phoenix Ear Tag Mount (3 parts)



**NOTE: Animal's ear goes between Male Pin and Female Socket**

Unassembled

Ready for Installation

## Mounting Instructions

**⚠** NOTE: Vets have indicated that piercing and rubbing can cause infection. Use proper disinfectant to clean the area on both sides of the ear and the ear tag components prior to application.

**⚠** NOTE: Application site must be free of foreign debris prior to placement of tags on the animal. Free Air Space is critical for proper healing and retention. Inspect placement after tagging to ensure there is sufficient space between the ear and the tag.

**STEP 1:** Pull the Mounting Strap through the top rail of the Phoenix

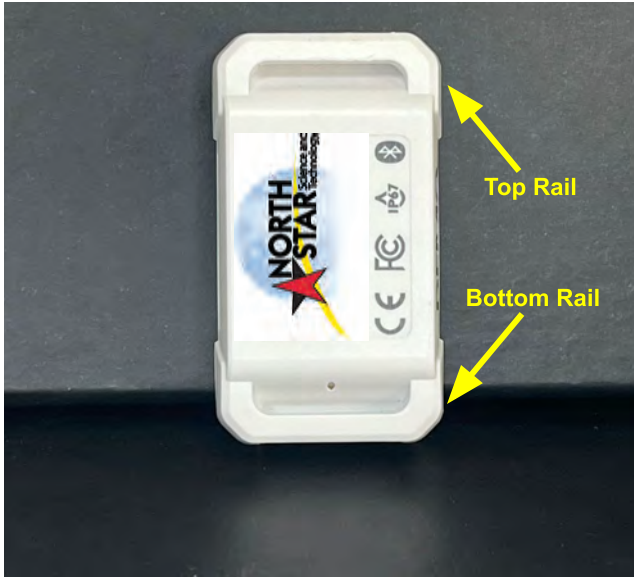
The Mounting Straps are difficult to pull through at room temperature and need to be temporarily soaked in warm water before attaching to the GSatRancher. Use the following steps:

1. Set up a pot of warm water (70C or 160F). Do not use hot/boiling water, it will deform the Mounting Strap above 90C or 190F.
2. Thread a string/cord through the Mounting Strap. Use a 1mm cord or similar for this process.
3. Drop the Mounting Strap into the warm water for 30 seconds.
4. Thread the ends of the string through the top rail of the Phoenix.
5. Pull the string through the top rail and the Mounting Strap will pull through with it quite easily.
6. Remove the thread from the Mounting Strap.

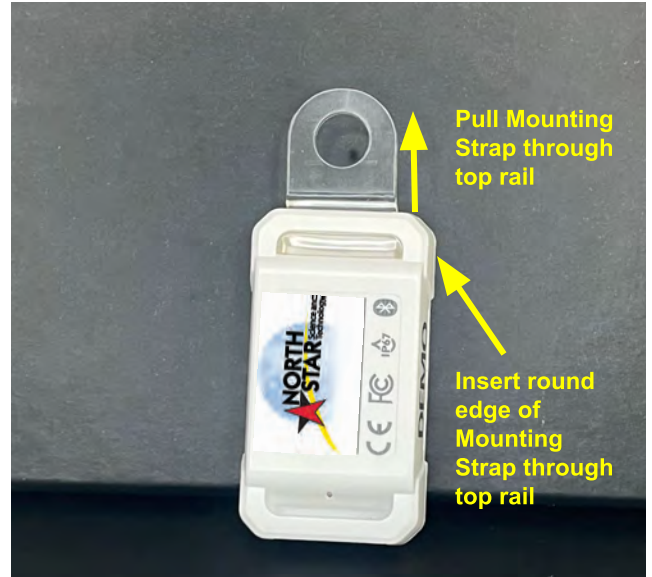
Using dish soap to attach the Mounting Strap to the GSatRancher is an option as well:

1. Thread a string/cord through the Mounting Strap. Use a 1mm cord or similar for this process.
2. Apply a drop of dish soap or dish wash liquid to the Mounting Strap.
3. Thread the ends of the string through the top rail of the Phoenix.
4. Pull the string through the top rail and the Mounting Strap will pull through with it quite easily.
5. Rinse off the Mounting Strap with room temperature water and remove the thread from the Mounting Strap.





1. Slide the round end of the Mounting Strap under the top rail of the Phoenix.



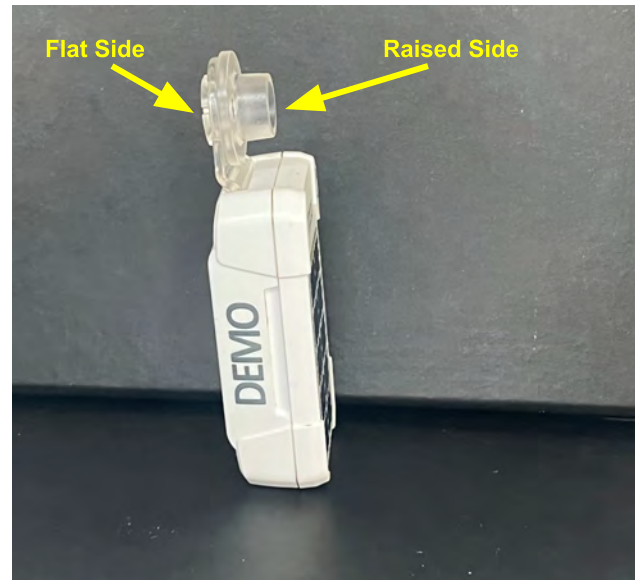
2. Firmly pull Mounting Strap through the top rail of the Phoenix until you hear a click or snap.

**STEP 2:** Firmly insert the flat backside of the Female Socket through the Mounting Strap.

**!** NOTE: If the Female Socket is not properly mounted the Phoenix can and likely will fall off the Male Pin. Make sure this step is completed properly.



1. Make sure the Flat Side of the Female Socket is facing the backside of the Phoenix (away from the solar panels).



2. If the Female Socket is installed backwards the Phoenix will not be properly mounted and will likely fall off.

**STEP 3:** Attach the Ear Tag components to the crimping tool.



1. To load, depress the spring clip and insert the Female Socket connected to the Mounting Strap and Phoenix. Ensure that the raised portion of the tag is placed in the open portion of the jaws. The solar panels should be face down.

2. Slip the Male Pin completely onto the blunt applicator pin. Squeeze the jaws together lightly to ensure the Male Pin shaft is in line with the Female Socket.

3. Dip the jaws of the applicator holding the tag into an antiseptic or disinfectant solution.

**STEP 4:** Mount the tag onto the animal's ear.

**!** NOTE: A fake ear has been used in some of the images for demo purposes.



1. The tag should be placed vertically, in the middle of the ear, between the two cartilage ribs and 2/3 from the outside edge of the ear, 1/3 from the head. (Application too deep in the ear is not recommended).



2. Make sure the Phoenix is on the outside of the ear with the solar panels facing toward the sun. See additional images below.



3. The female portion of the tag should be on the outside of the ear with a tag application.

## Ear Tag Removal

**!** NOTE: Use an ear tag removal tool which has a plastic hook and guarded blade designed to prevent injury to the animal.

1. Carefully slip the hook between the male side of the tag and the animal's ear.
2. Place the hook around the stem of the tag.
3. Gently pull on the hook while moving it up and down in a twisting motion. Pulling too hard can tear the animal's ear.
4. Let the blade slice through the stem.
5. Apply antiseptic to the hole in the ear to clean it and prevent infection.





## Strap/Collar

**!** NOTE: Although the Phoenix is lightweight, a heavier counterweight should be attached to the opposite side of the strap/collar to ensure the solar panels naturally stay facing the sun. If this is not done then the Phoenix will eventually shift underneath the animal pointing the solar panels away from the sun.

## Mounting Instructions

### Primary Strap/Collar Option:

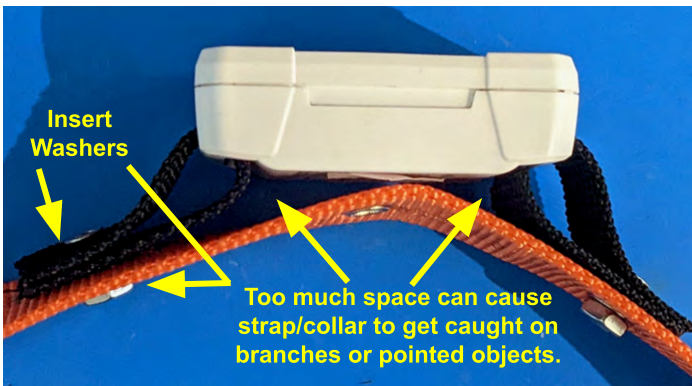
- STEP 1:** Insert a nylon strap through the rails on the top and bottom side of the Phoenix.
- STEP 2:** Attach counterweight to opposite end of the strap/collar. **STEP 3:** Attach strap/collar to the animal making sure it is not too tight or loose.



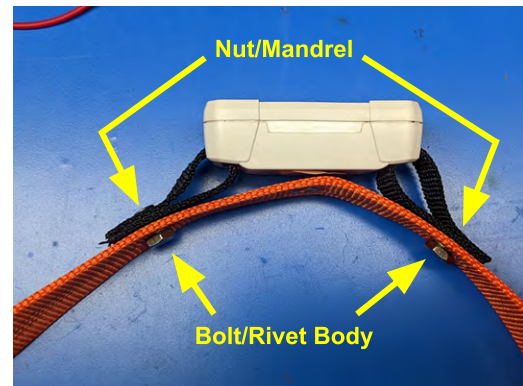
### Connecting Strap Option:

If you are using the strap design for an application that will exert a large amount of force on the strap, it is recommended to use a stronger strap/collar, and riveting the smaller strap to the larger strap to increase the strength.

- STEP 1:** Cut two small straps long enough to wrap through the rails and to connect to the primary strap/collar.
- STEP 2:** Carefully measure where the straps connecting straps sit on the primary strap/collar and cut two holes.
- STEP 3:** Insert the bolts from the bottom side of the primary strap/collar through the connecting straps and tightly secure the nuts on the top side. It is suggested to use washers to prevent wear and tear on the strap/collar over time.



1. Make sure the Phoenix is not loose on the primary strap/collar. It should not be extremely tight as this may cause the secondary straps to tear over time, but too much room can allow the animal to get snagged on a tree branch or pointy object.



2. If using bolts, make sure the bolt is inserted from the underside of the primer strap/collar. For a rivet system the body should be inserted from the underside of the primary strap/collar with the mandrel attached from the outside.

**STEP 4:** Attach strap/collar to the animal making sure it is not too tight or loose.