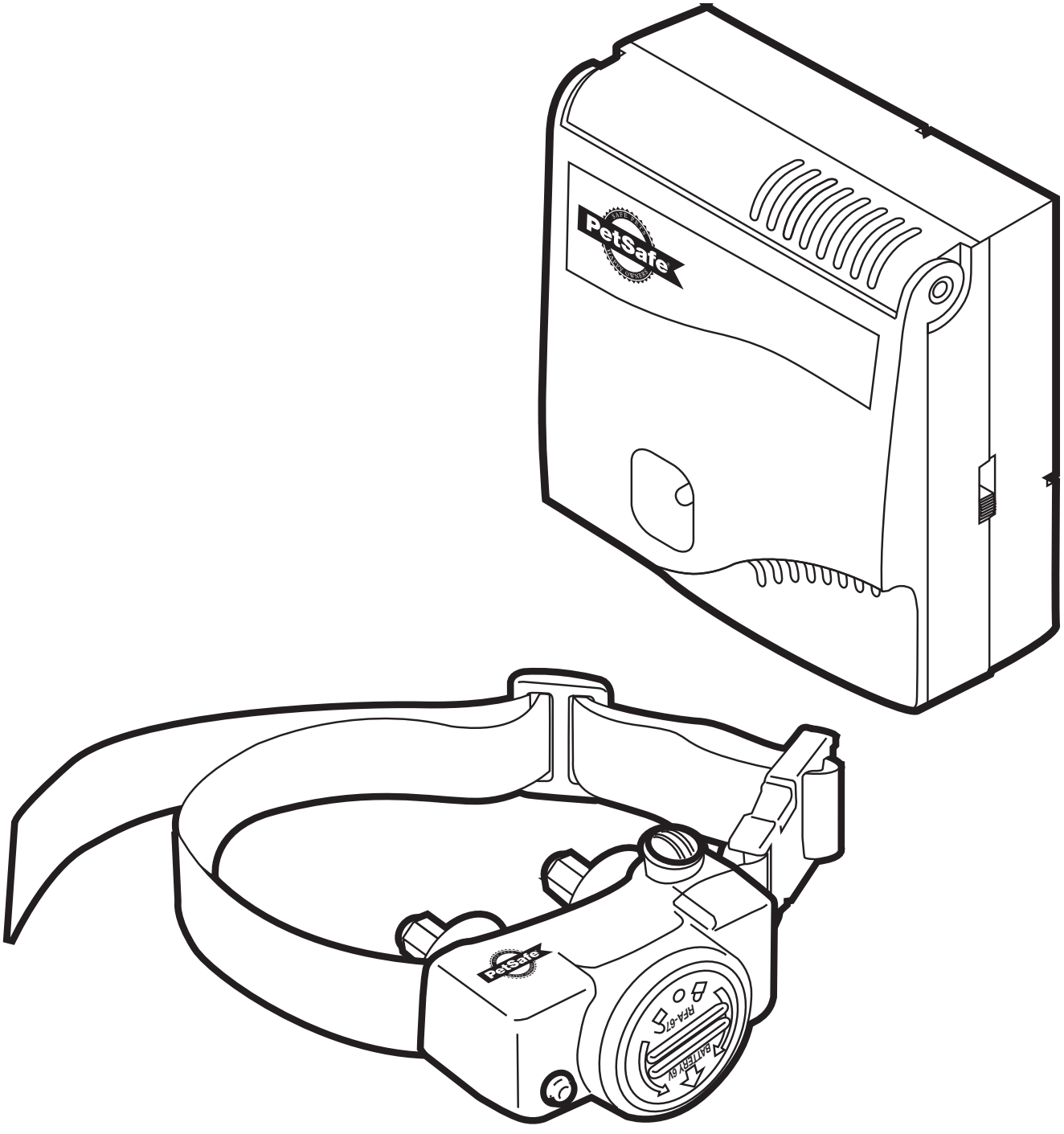
# PetSafe®
# Deluxe In-Ground Fence™

## Operating and Training Guide

**Please read this entire guide before beginning.**



Thank you for choosing PetSafe®, the best selling brand of electronic training solutions in the world. Our mission is to be the most trusted brand in the pet ownership experience. We want to ensure your pet's safety by providing you with the tools and techniques to successfully train your pet. If you have any questions, please contact the Customer Care Center at 1-800-732-2677 or visit our website at www.petsafe.net.

To get the most protection out of your warranty, please register your product within 30 days at www.petsafe.net. By registering and keeping your receipt, you will enjoy the product's full warranty and should you ever need to call the Customer Care Center, we will be able to help you faster. Most importantly, PetSafe® will never give or sell your valuable information to anyone. Complete warranty information is available online at www.petsafe.net.

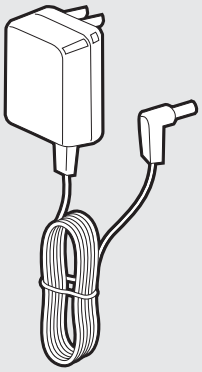
# Table of Contents


Components ..... 3
Other Items You May Need ..... 3
How the System Works ..... 4
Key Definitions ..... 4
**Operating Guide** ..... 5
- Locate the Fence Transmitter ..... 5
- Lay Out the System ..... 5
- Sample Layouts ..... 6
- Position the Boundary Wire ..... 7
- Connect the Wires to the Fence Transmitter ..... 8
- Prepare the Receiver Collar ..... 9
- Set the Boundary Width and Test the Receiver Collar ..... 10
- Install the Boundary Wire ..... 11
- Place the Boundary Flags ..... 12
- Fit the Receiver Collar ..... 13

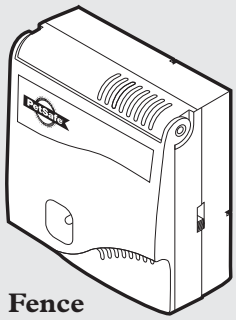
**Training Guide** ..... 15
- Be Patient With Your Pet ..... 15
- Day 1 - Boundary Awareness ..... 15
- Days 2 thru 4 - Continue Boundary Awareness ..... 16
- Days 5 thru 8 - Distraction Phase ..... 16
- Days 9 thru 14 - Unleashed Supervision ..... 17
- Days 15 thru 30 - Pet Monitoring ..... 17
- Taking Your Pet Out of the Pet Area ..... 17

Accessories ..... 18
**Troubleshooting** ..... 18
Additional Information ..... 19
Short Loop Test ..... 19
To Locate a Break in the Boundary Wire ..... 19
Terms of Use and Limitation of Liability ..... 20
Compliance ..... 20
Customer Care International ..... 21
Caution ..... 21
Perchlorate Battery ..... 21
Layout Grid ..... 24
Mounting Template ..... 24

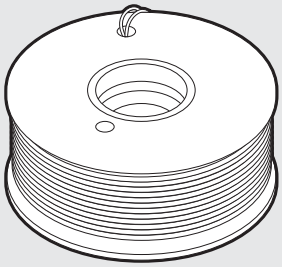
# Components



**Power Adapter**



**Fence Transmitter**



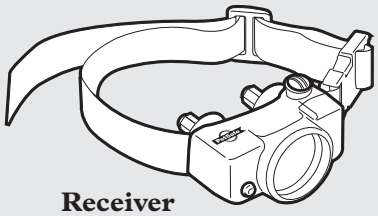
**Boundary Wire - 500 ft.**



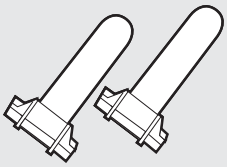
**Boundary Flags - 50**



**Wire Nuts**



**Receiver Collar**



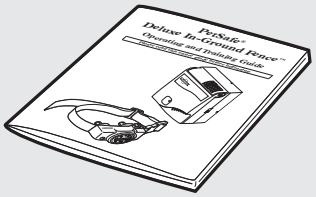
**Gel-filled Capsules**



**Test Light Tool**



**Battery (PetSafe® RFA-67)**



**Operating and Training Guide**

# Other Items You May Need

- Additional wire and flags (Part #PRFA-500)
- Tape measure
- Small Phillips screwdriver
- Drill & mounting hardware
- Shovel or lawn edger
- Pliers
- Wire stripping pliers
- Scissors
- Lighter
- Electrical tape
- Gel-filled Capsules
- Additional wire nuts
- Waterproofing compound (e.g. silicone caulk)
- PVC pipe or water hose
- Circular saw with masonry blade
- Staple gun
- Non-metallic collar and leash

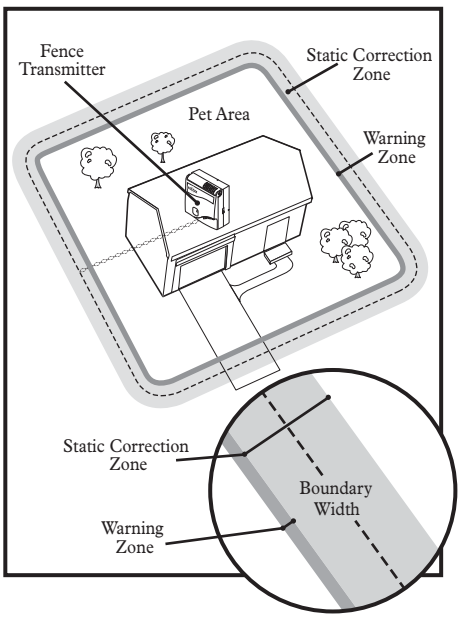
**Fence installation and training help, interactive fence planning software: www.petsafe.net/fence**

# How the System Works

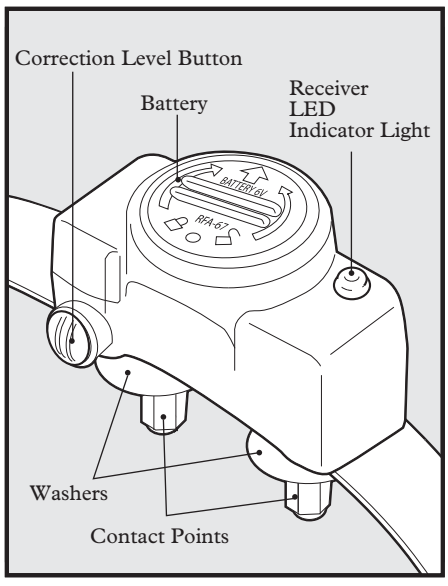
A radio signal travels from the Fence Transmitter through a buried wire, marking the boundaries you wish to set for your dog. Your dog wears a Receiver Collar that detects the signal at the boundary. As your dog approaches the boundary, the receiver issues a warning tone. If he proceeds further, he receives a safe but startling Static Correction. While harmless, the correction will persuade him to stay in the containment area you've established. Boundary flags are a temporary visual aid for your pet; remove them after training. This PetSafe® Deluxe In-Ground Fence™ has been proven safe, comfortable, and effective for pets over 8 pounds.

# Key Definitions

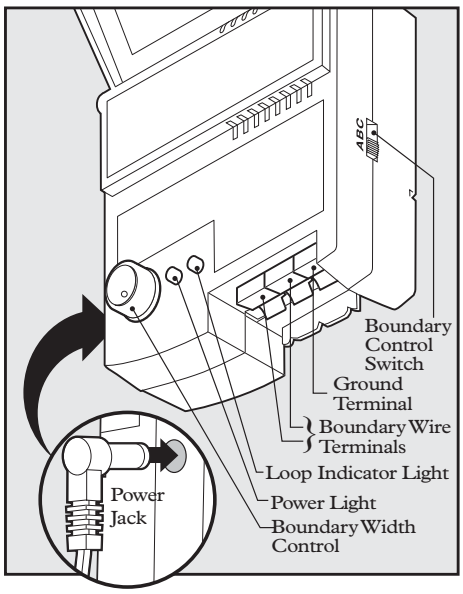
**Fence Transmitter:** Transmits the radio signal through the Boundary Wire.
**Pet Area:** Area within the Warning Zone where your pet can roam freely.
**Warning Zone:** Outer edge of the Pet Area where your pet's Receiver Collar begins to beep, warning him not to go into the Static Correction Zone.
**Static Correction Zone:** Zone beyond the Warning Zone where your pet's Receiver Collar will emit a Static Correction, signaling him to return to the Pet Area.
**Boundary Width:** Combination of the Warning Zone and the Static Correction Zone.
**Receiver Collar:** Receives the radio signal from the Boundary Wire.
**Correction Level Button:** Adjusts the level of Static Correction your pet receives in the Static Correction Zone.
**Receiver LED Indicator Light:** Indicates the level of correction at which the Receiver Collar is set. This light also serves as a low battery indicator.
**Contact Points:** Delivers the safe Static Correction when your pet moves into the Static Correction Zone.
**Power Jack:** Where the Power Adapter plugs into the Fence Transmitter. The Fence Transmitter is powered by a standard 120-volt outlet.
**Boundary Control Switch:** Switch located on the Fence Transmitter to adjust according to the length of Boundary Wire used.
**Ground Terminal:** Where the Ground Wire connects to the Fence Transmitter.
**Boundary Wire Terminals:** Where the Boundary Wires connect to the Fence Transmitter in order to complete a continuous loop.
**Loop Indicator Light:** Indicates that the Boundary Wire makes a complete loop, enabling the signal to be transmitted.
**Boundary Width Control:** Adjusts the width of the Warning and Static Correction Zones. *Note: Adjusting the knob does not change the level of Static Correction on the Receiver Collar.*




**Receiver Collar**




**Fence Transmitter**




**Want professional installation help?** Invisible Fence® Brand installers will come to your home and install your new PetSafe® System for an additional cost. Contact your local dealer at 1-877-866-DOGS (3647) or visit our website at www.invisiblefence.com for more information.

# Operating Guide

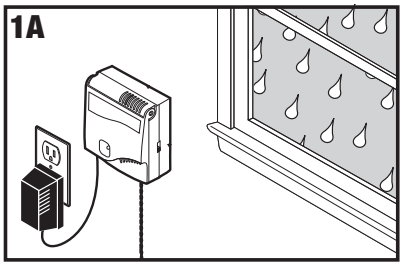
## Step 1 Locate the Fence Transmitter

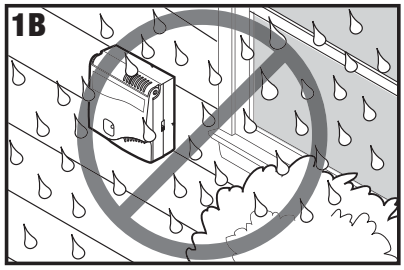
Place the Fence Transmitter:

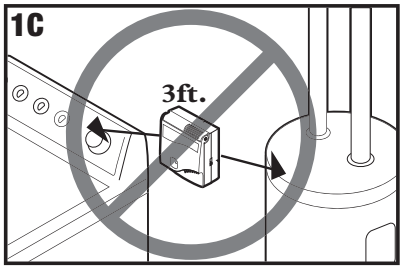
- In a dry, well ventilated, protected area (**1A, 1B**).
- In an area where temperatures do not fall below freezing (e.g., garage, basement, shed, closet).
- Secured to a stationary surface using appropriate mounting hardware (not included). A mounting template is included in the back of this guide.
- At least 3 feet from large metal objects or appliances as these items may interfere with the signal consistency (**1C**).

Once you have mounted the Fence Transmitter, the Boundary Wire must exit the building. This can be accomplished via a window or through a hole drilled through the wall. Ensure the drill path is clear of any utilities. Make sure the Boundary Wire is not cut off or pinched by a window, door, or garage door, as this can damage it over time.

To prevent fires and electrical hazards, install the Fence Transmitter in buildings that are in accordance with state and local electrical codes.



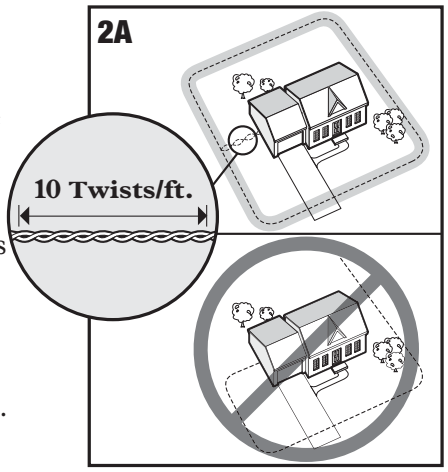



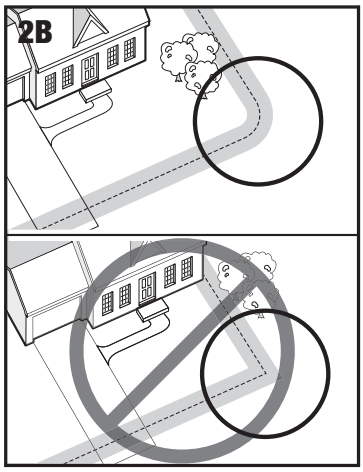

## Step 2 Lay Out the System

### Basic Planning Tips

**Warning: Before digging to bury the Boundary Wire of your Deluxe In-Ground Fence™, make sure that there are no buried power, telephone, or other electrical cables in the vicinity. Many underground cables carry high voltage and digging into them, or laying your Boundary Wire on them, may lead to hazard from shock or electrocution. Have the local utility company mark your underground lines. In most communities this is a free service. For information regarding how these underground wires can affect your system's operation, see Step 3 Position the Boundary Wire.**

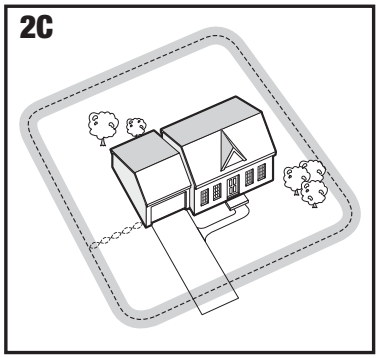
- The Boundary Wire **MUST** start at the Fence Transmitter and make a continuous loop back (**2A**).
- Twisting the Boundary Wire cancels the signal and allows your pet to cross over that area without correction. Plastic or metal piping will not cancel the signal. Twist the Boundary Wire 10 to 12 times per foot to cancel the signal (**2A**).
- Design a layout that is suitable for your yard. Sample layouts are provided in this section, and a grid for designing your layout is provided in the back of this guide.
- Fence planning software is available online at www.petsafe.net/fence.

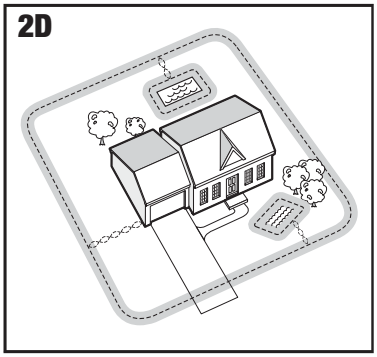


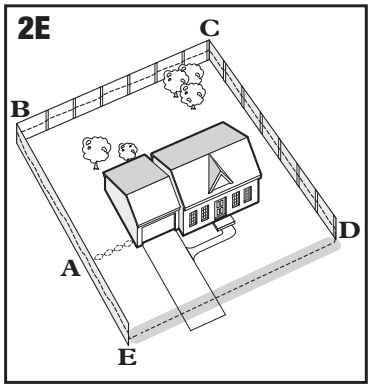

- Always use gradual turns at the corners with a minimum of 3 foot radius to produce a more consistent boundary (**2B**). Do not use sharp turns, as this will cause gaps in your boundary.
- Avoid making passageways too narrow for your pet to move about freely (e.g., along the sides of a house).
- The Receiver Collar can be activated inside the house if the Boundary Wire runs along the outside wall of the house. If this occurs, remove your pet's Receiver Collar before bringing him inside, decrease the range using the Boundary Width Control knob or consider an alternative layout.

# Sample Layouts




**Sample 1: Perimeter Loop (Single Loop)** The Perimeter Loop is the most common layout. This will allow your pet to freely and safely roam your entire property (**2C**). It can also protect gardens, pools and landscaping (**2D**).

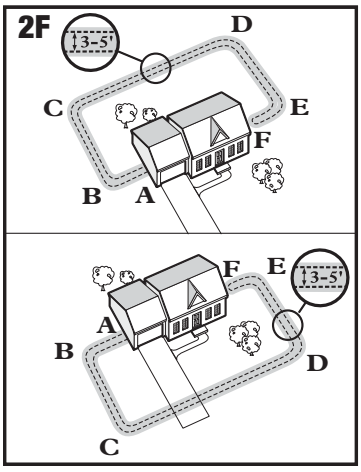



**Sample 2 (2E): Perimeter Loop Using Existing Fence (Single Loop)** This layout allows you to include your existing fence as part of your layout and keep your pet from jumping out or digging under your existing fence. It reduces the amount of wire which will need to be buried. From the Fence Transmitter, run the wire to **A**, **A** to **B**, **B** to **C**, **C** to **D**, **D** to **E**, **E** to **A**, twist the wires from **A** back to the Fence Transmitter. See the "Install the Boundary Wire" section for more information on attaching the wire to a fence.

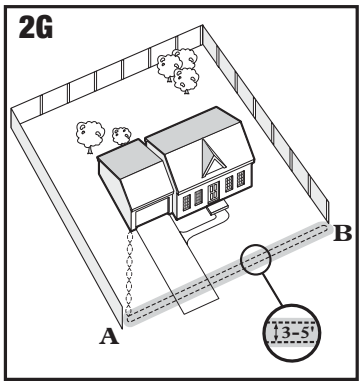
## Double Loop

A Double Loop must be used when you are not establishing the Boundary Zone on all sides of your property.

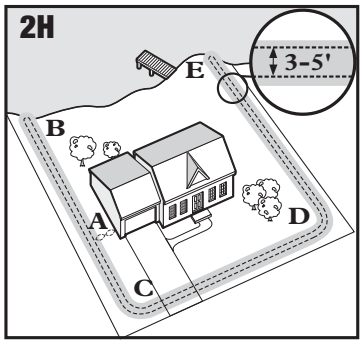
When using a Double Loop, the Boundary Wire must be separated by a minimum of **3 TO 5 FEET** to avoid canceling the signal. Remember that a Double Loop will require twice as much wire.




**Sample 3 (2F): Front or Back Yard Only (Double Loop)** From the Fence Transmitter, run the wire to **A**, **A** to **B**, **B** to **C**, **C** to **D**, **D** to **E**, **E** to **F**, make a U-turn and follow your path all the way back to **A,** keeping the wire separated **3 to 5 feet**. Twist the wire from **A** back to the Fence Transmitter.

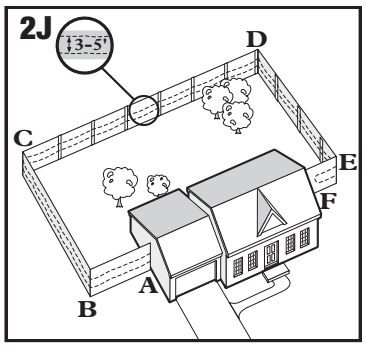



**Sample 4 (2G): Front Boundary Only (Double Loop)** From the Fence Transmitter, run the wire to **A**, **A** to **B**, **B** back to **A** keeping the wire separated **3 to 5** feet. Twist the wire from **A** back to the Fence Transmitter.




**Sample 5 (2H): Lake Access (Double Loop)** From the Fence Transmitter, run the wire to **A**, **A** to **B**, make a U-turn and go to **C**, **C** to **D**, **D** to **E,** make a U-turn and follow your path all the way back to **A** keeping wire separated **3 to 5 feet**. Twist the wire from **A** back to the Fence Transmitter.

**Sample 6 (2J): Wire Loop Attached to Existing Fence (Double Loop)**
This layout allows you to include your existing fence as part of your layout and keep your pet from jumping out or digging under your existing fence. It reduces the amount of wire which will need to be buried. Run the wire from the Fence Transmitter to **A**, **A** to **B**, **B** to **C**, **C** to **D**, **D** to **E**, **E** to **F,** make a U-turn and follow your path all the way back to **A,** keeping the wire separated **3 to 5 feet**. Twist the wire from **A** back to the Fence Transmitter. See the "Install the Boundary Wire" section for more information on attaching the wire to a fence.

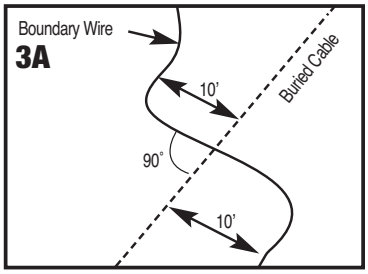



Step 3

# Position the Boundary Wire

**Lay out the Boundary Wire using your planned boundary and test the system BEFORE burying the wire or attaching it to an existing fence. This will make any layout changes easier. Work carefully. A nick in the wire insulation can diminish the signal strength and create a weak area where your pet can escape.**

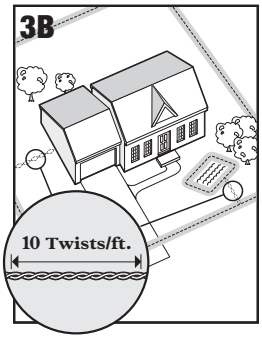
Running the Boundary Wire parallel to and within 5 feet of electrical wires, neighboring containment systems, telephone wires, television or antenna cables, or satellite dishes may cause an inconsistent signal. If you must cross any of these, do so at 90-degree angles (perpendicularly) (**3A**).




If separating the wire by at least 10 feet from a neighboring containment system's wire does not reduce the inconsistent signal, contact the Customer Care Center at 1-800-732-2677.

## To Twist the Boundary Wire

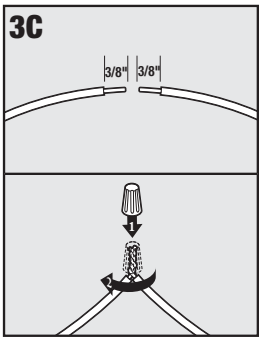
Twisting the Boundary Wire cancels the signal and allows your pet to cross over that area safely (**3B**). To ensure the signal is cancelled, it is recommended that you cut and splice the Boundary Wire between each twisted section. Plastic or metal piping will not cancel the signal. You can twist your own wire by cutting two equal lengths of Boundary Wire supplied and twisting them together. Anchor one end of the wires to something secure and insert the other end in a power drill. Pull the wire taut. The drill enables you to twist the wire quickly. Twist the Boundary Wire 10 to 12 times per foot to cancel the signal. Once you have completed your boundary layout, insert the twisted wire into the transmitter.




## To Splice or Repair the Boundary Wire

If you need additional Boundary Wire to expand your wire loop, you will need to splice the wires together. Note the locations of all splices for future reference. Most Boundary Wire breaks occur at splices.

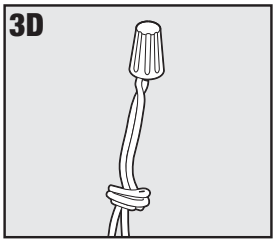
Strip approximately ⅜ inch of insulation off the ends of the Boundary Wires to be spliced (**3C**). Make sure the copper Boundary Wire is not corroded. If the Boundary Wire is corroded, cut it back to expose clean copper wire.

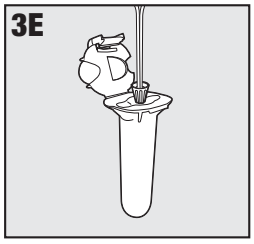


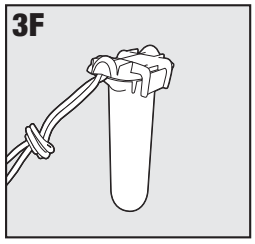

Insert the stripped ends into the wire nut and twist the wire nut around the wires. Ensure that there is no copper exposed beyond the end of the wire nut. Tie a knot 3 to 4 inches from the wire nut (**3D**). Ensure that the wire nut is secure on the wire splice.

Once you have securely spliced the wires together, open the lid of the gel-filled splice capsule and insert the wire nut as deeply as possible into the waterproof gel inside the capsule (**3E**). Snap the lid of the capsule shut (**3F**). For proper system performance, the splice connection must be waterproof.

If your splice pulls loose, the entire system will fail. Make sure your splice is secure. Additional gel-filled splice capsules and wire nuts are available through the Customer Care Center at 1-800-732-2677.



## Additional Boundary Wire

Extra direct burial Boundary Wire can be purchased in 500 foot spools at the store where you purchased the kit or through the Customer Care Center at 1-800-732-2677.

*Note: When adding Boundary Wire, it must act as a continuous loop.*

The table at right indicates the approximate length of Boundary Wire needed for a square, Single Loop layout. Length will vary due to the amount of twisted wire and layout used.

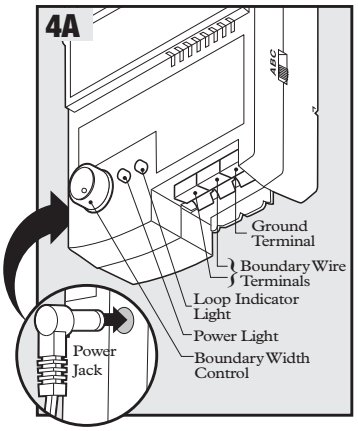
| Acres | Feet of Wire Needed |
|---|---|
| 1/4 | 415 |
| 1/3 | 480 |
| 1/2 | 590 |
| 1 | 835 |
| 2 | 1180 |
| 5 | 1870 |
| 10 | 2800 |
| 25 | 4500 |

Step 4

# Connect the Wires to the Fence Transmitter

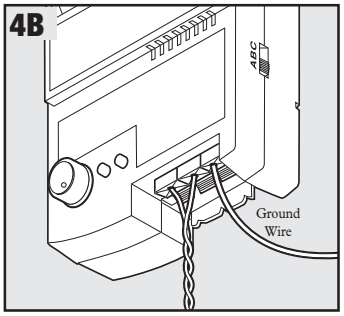
## Boundary Wire (4A)

1. Run the Boundary Wire to the Fence Transmitter through a window, under a door, through a crawl space vent, or any other appropriate available access. You can also drill a hole through your wall.
2. Strip the ends of the Boundary Wire approximately one-half inch.
3. Insert the Boundary Wires into the Boundary Wire Terminals on the Fence Transmitter. Make sure the wires do not touch each other at the terminals.
4. Turn the Boundary Width Control knob to 10. This will set the Warning Zone at the maximum width.
5. Plug the Power Adapter into the Power Jack and a 120-volt outlet.
6. The Power Light and Loop Indicator Lights should come on. If this does not happen, see the "Troubleshooting" section.



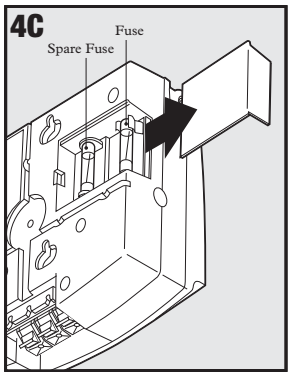

## Ground Wire (4B)

Proper grounding, although not necessary for the system to work, will help reduce the chance of electrical surges causing damage to your Fence Transmitter and/or Power Adapter. To ground your unit, you will need a stranded 10 gauge insulated copper wire and a UL approved grounding clamp to connect the wire to the grounding rod located at your electrical power service entrance. These items may be obtained at most local hardware or electrical supply stores. Connect one end of the Ground Wire to the Ground Terminal located on the Fence Transmitter and the other end of the Ground Wire to the grounding rod located at the electrical power service entrance to your home. This grounding rod is normally located below the electric meter mounted on your home. Secure the wire to the grounding rod using the UL approved grounding clamp.




## Fuse Protection (4C)

The Fence Transmitter is also equipped with a 250 volt, ½ amp fuse to protect the unit's electronic circuitry from electrical power surges. To locate the fuse, slide off the lid on the back of the Fence Transmitter. A spare fuse is also provided.




## Lightning Protection

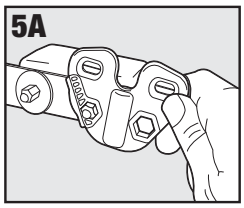
Lightning strikes within 1-2 miles of your installation can create power current surges or spikes which may damage your unprotected electronic pet containment system. The LP-4100-1 Lightning Protector is designed to protect your Deluxe In-Ground Fence™ from surges or spikes that can reach it via your AC power connection and/or your buried Boundary Wire.

You may purchase a Lightning Protection Kit through the Customer Care Center at 1-800-732-2677. The Lightning Protection Kit protects the system against surges that travel through the power source and/or the Boundary Wire.

Step 5

# Prepare the Receiver Collar

Your Receiver Collar comes with short Contact Points. Long Contact Points for pets with long or thick hair are available through our Customer Care Center at 1-800-732-2677. Tighten the Contact Points using Test Light Tool (**5A**) one-half turn beyond finger tight. Check the tightness weekly.

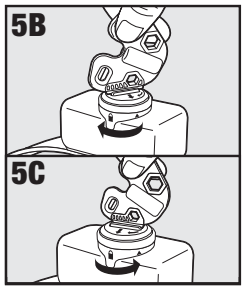



## To Insert and Remove the Battery

*Note: Do not install the battery while the Receiver Collar is on your pet.*

This Receiver Collar utilizes a replaceable PetSafe® battery (RFA-67). This unique battery is designed to make battery replacement easier and increase water protection.

To insert the battery, align the symbols on the battery (arrow) and Receiver Collar (triangle) (**5B**). Use the edge of the Test Light Tool to turn the battery clockwise until the arrow lines up with the lock symbol on the housing.




To remove the battery, turn the battery counter-clockwise using the edge of the Test Light Tool (**5C**). DO NOT attempt to cut into or pry open the battery. Be sure to discard the used battery properly.

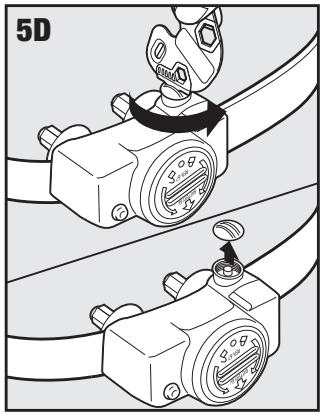
Battery life will vary depending on how often your pet tests the system and receives a Static Correction. Check the Receiver Collar every month to ensure the battery is working properly.

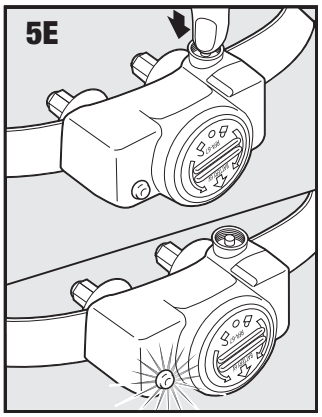
A replacement PetSafe® battery (RFA-67) can be found at many retailers. Contact the Customer Care Center at 1-800-732-2677 or visit our web site at www.petsafe.net to locate a retailer near you.

## To Set the Static Correction Level

Read all steps before attempting to set the Static Correction Level.

1. Remove the clear plastic cover with the Test Light Tool to expose the Correction Level Button (**5D**).
2. With the battery installed, press the Correction Level Button and release when the Receiver Indicator Light lights up (**5E**).
3. The Receiver Indicator Light will emit a series of flashes representing the Static Correction Level.
4. Increase the Static Correction Level by pressing and releasing the Correction Level Button within 5 seconds of the previous series of flashes.
5. After setting the Static Correction Level, replace the cover to protect the Correction Level Button.




The Static Correction levels increase in strength from 1 to 5. Pushing the Correction Level Button while the Receiver Collar is on level 5 will cause the Receiver Collar to revert to Level 1. Refer to the Function and Response Table to choose the Static Correction level that best fits your pet.

The Receiver Collar is equipped to automatically increase the level of Static Correction the longer your pet remains in the Static Correction Zone if the collar is set at level 2 or above.

The Receiver LED Indicator Light acts as a low battery indicator, flashing every 4 to 5 seconds when replacement is required.

## Over Correction Protection

In the unlikely event that your pet "freezes" in the Static Correction Zone, this feature limits the static correction duration to a maximum of 30 seconds. While the system locks out further static correction, the warning tone will continue until the pet leaves the Static Correction Zone.

## Function and Response Table

| Indicator Light Response | Static Correction Level | Receiver Collar Function | Temperament of Pet |
|---|---|---|---|
| 1 Flash | 1 | No Static Correction, Beep Only | Initial Training Mode |
| 2 Flashes | 2 | Low Static Correction | Timid |
| 3 Flashes | 3 | Medium Static Correction | Timid or Average |
| 4 Flashes | 4 | Medium High Static Correction | Average or High Energy |
| 5 Flashes | 5 | High Static Correction | High Energy |
| Flashes once every 4 to 5 seconds | | Indicates Low Battery | |

Step 6

# Set the Boundary Width and Test the Receiver Collar

The Boundary Control Switch on the side of the Fence Transmitter has three settings (**6A**). Setting **B** is used for most properties. The following table will indicate the setting you should use.

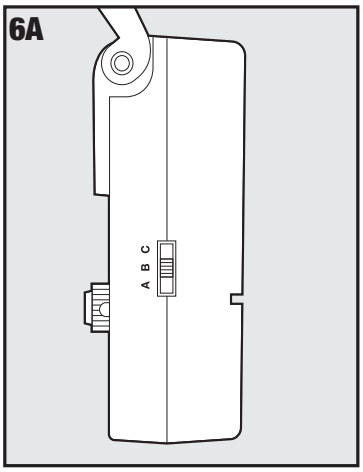
| Amount of Wire | Setting |
|---|---|
| Up to 1300 feet | **B** |
| 1300-2400 | **C** |
| Greater than 2400 feet | **A** |

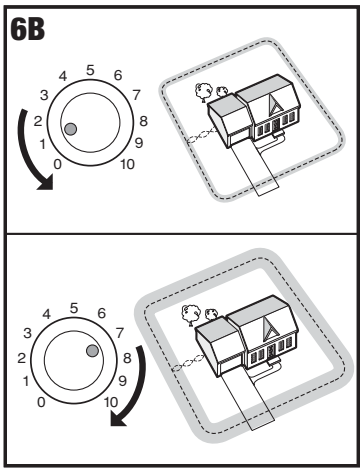
Use the Boundary Width Control knob to set the width of the Warning Zone and Static Correction Zone (**6B**). Set the Boundary Width as wide as possible to give your pet the widest Warning and Static Correction Zones without reducing the Pet Area too much. We recommend a 12-20 foot Boundary Width.

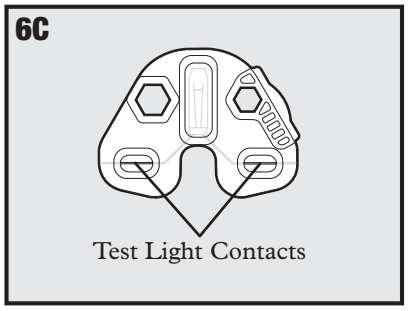
*Note: The Boundary Width Control knob does not change the Static Correction Level.*

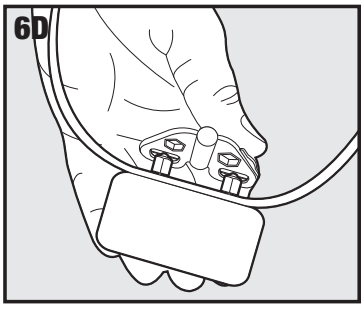
To identify the Warning and Static Correction Zones, make sure the Receiver Collar battery is properly installed, the Static Correction is set at 2 or above, and the Test Light Contacts are touching the Contact Points (**6C, 6D**). For best results, select a section of straight Boundary Wire that is at least 50 feet long. Hold the Test Light contacts to the Contact Points. (**6D**). Walk toward the Boundary Wire with Contact Points pointing up and holding the Receiver Collar at your pet's neck level (**6E**) until the Receiver Collar beeps and the Test Light flashes (**6F**).

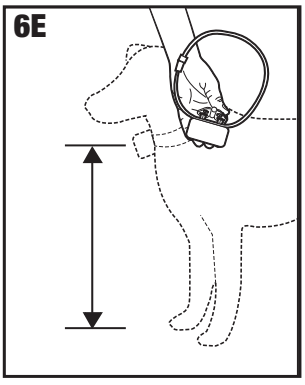
*Note: The Receiver Collar is waterproof, which can make the beep hard to hear.*

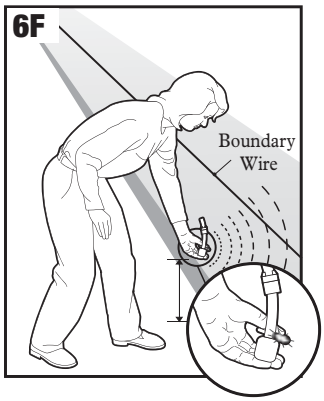


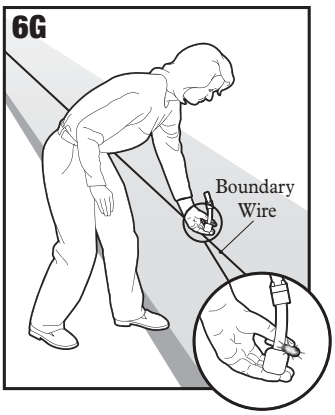



If the Receiver Collar does not beep at the desired range, adjust the Boundary Width Control knob to the desired setting. Turning the Boundary Width Control knob clockwise increases the Boundary Width while turning it counterclockwise decreases it (**6B**). Repeat this activity as needed until the Receiver Collar beeps at the desired distance from the Boundary Wire.




The numbers on the Boundary Width Control knob indicate signal strength and are not representative of Boundary Width footage. If adjusting the Boundary Width Control knob does not give the desired range, adjust the Boundary Control Switch to another setting to achieve your desired range. If using a Double Loop, you may need to increase the separation of the Boundary Wire to achieve desired range.

The Receiver Collar beeps as a warning tone and ticks when delivering a Static Correction. After hearing the beep, continue to walk towards the wire. The Receiver Collar should tick and the Test Light should flash, indicating the Static Correction as you enter the Static Correction Zone (**6G**). A warning tone and the flashing of the Test Light indicate that the Receiver Collar and the system are working properly. Test in a number of different areas until you are satisfied that the system is functioning properly.

Next walk all around the Pet Area to ensure there are no areas where the Receiver Collar may activate from signals coupled onto buried wires or cables. Test the collar in and around the inside or the house as well. As mentioned, cable and wires from cable TV, electrical or telephone lines may conduct pet fencing signals inside and outside the house that can activate the dog's collar accidentally. While rare, if this occurs your Boundary Wire is probably too close to these outside lines and should be moved or modified as shown in figure **3A**. If you are satisfied that your system is functioning properly, you are ready to start burying the Boundary Wire. If the Receiver Collar did not beep or the Test Light did not flash, see the "Troubleshooting" section.

*Note: The Boundary Width is broken down into 20% Warning Zone and 80% Static Correction Zone.*

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Step 7

# Install the Boundary Wire

## To Bury the Boundary Wire

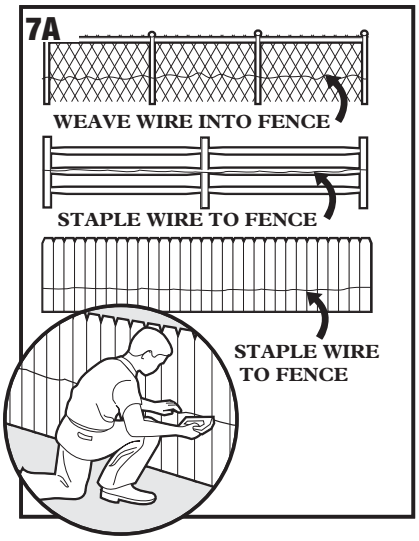
Burying the Boundary Wire is recommended to protect it and prevent disabling the system.

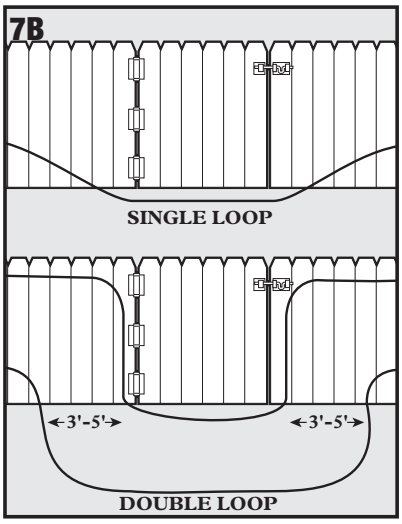
1. Cut a trench **1-3 inches** deep along your planned boundary.
2. Place the Boundary Wire into the trench maintaining some slack to allow it to expand and contract with temperature variations.
3. Use a blunt tool such as a wooden paint stick to push the Boundary Wire into the trench. Be careful not to damage the Boundary Wire insulation.

## To Attach the Boundary Wire to an Existing Fence

The Boundary Wire of the PetSafe® Deluxe In-Ground Fence™ can be attached to a chain link fence, split rail fence, or a wooden privacy fence. The Boundary Wire can be attached as high as needed. However, make sure the Boundary Width is set at a high enough range for the pet to receive the signal. If using a Double Loop with an existing fence at least three feet tall, run the Boundary Wire on top of the fence and return it on the bottom of the fence to get the three to five foot separation needed.

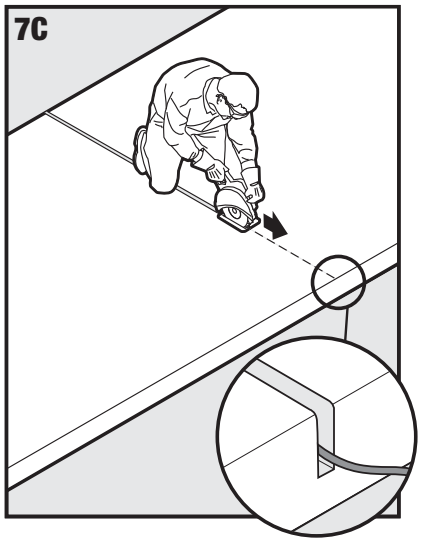
- **Chain Link Fence (7A)**: Weave Boundary Wire through the links or use plastic quick ties.
- **Wooden Split Rail or Privacy Fence (7A):** Use staples to attach Boundary Wire. Avoid puncturing the insulation of the Boundary Wire.
- **Double Loop with an Existing Fence:** Run the Boundary Wire on top of the fence and return it on the bottom of the fence to get the three to five foot separation needed.
- **Gate (Single Loop) (7B) :** Bury the Boundary Wire in the ground across the gate opening. *Note: The signal is still active across the gate. Your pet cannot pass through an open gate.*
- **Gate (Double Loop) (7B):** Bury both Boundary Wires across the gate opening while keeping them 3 to 5 feet apart.

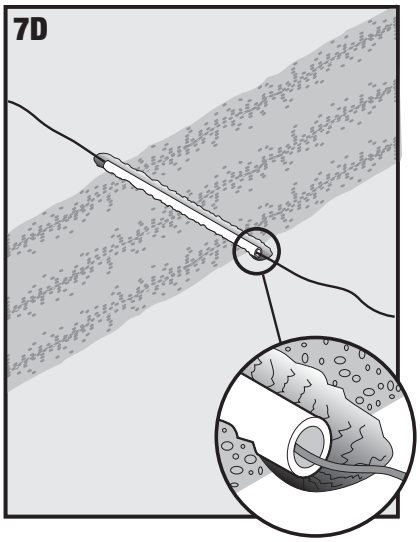



## To Cross Hard Surfaces (driveways, sidewalks, etc.)

- **Concrete Driveway or Sidewalk (7C):** Place the Boundary Wire in a convenient expansion joint or create a groove using a circular saw and masonry blade. Place the Boundary Wire in the groove and cover with an appropriate waterproofing compound. For best results, brush away dirt or other debris before patching.
- **Gravel or Dirt Driveway (7D):** Place the Boundary Wire in a PVC pipe or water hose to protect the Boundary Wire before burying.



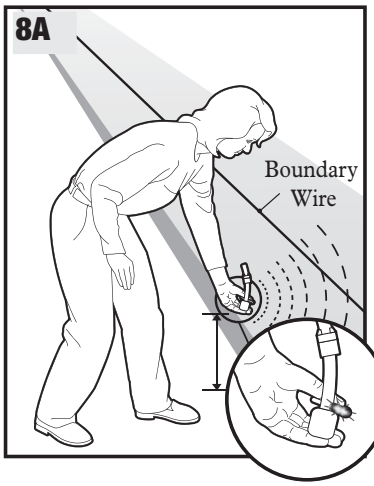

Step 8

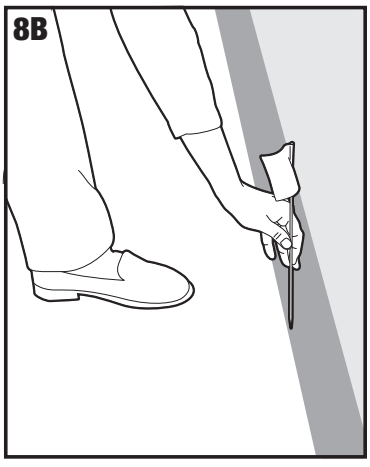
# Place the Boundary Flags

The Boundary Flags are visual reminders for your pet of where the Warning Zone is located.

1. Place the Test Light contacts on the contact points and hold the Receiver Collar at your pet's neck height.
2. Walk towards the Warning Zone until the Receiver Collar beeps (**8A**).
3. Place a Boundary Flag in the ground (**8B**).
4. Walk back into the Pet Area until the beeping stops.
5. Repeat this process around the Warning Zone until it is marked with Boundary Flags every 10 feet.

*Note: If you cannot hear the beep, see the Test Light Instructions in Step 6.*



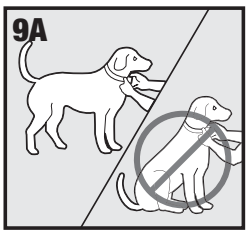



Step 9

# Fit the Receiver Collar

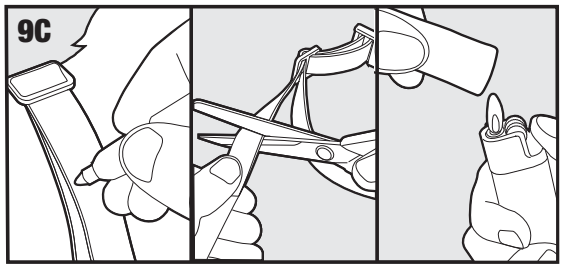
**Important: The proper fit and placement of your Receiver Collar is important for effective training. The Contact Points must have direct contact with your pet's skin on the underside of his neck.**

To assure a proper fit, please follow these steps:




1. Make sure that the battery is not installed in the Receiver Collar.
2. Start with your pet standing comfortably (**9A**).
3. Place the Receiver Collar on your pet so that the "PetSafe" logo is facing your pet's chin. Center the Contact Points underneath your pet's neck, touching the skin. *Note: It is sometimes necessary to trim the hair around the Contact Points to make sure that contact is consistent.*
4. Check the tightness of the Receiver Collar by inserting one finger between the end of a Contact Point and your pet's neck. The fit should be snug but not constricting (**9B**).
5. Allow your pet to wear the collar for several minutes then recheck the fit. Check the fit again as your pet becomes more comfortable with the Receiver Collar.
6. Once you are satisfied with the fit of the Receiver Collar then you may trim any excess collar strap as follows (**9C**):
   a. Mark the desired length of the Receiver Collar with a pen. Allow for growth if your pet is young or grows a thick winter coat.
   b. Remove the Receiver Collar from your pet and cut off the excess.
   c. Before placing the Receiver Collar back onto your pet, seal the edge of the cut collar by applying a flame along the frayed edge.



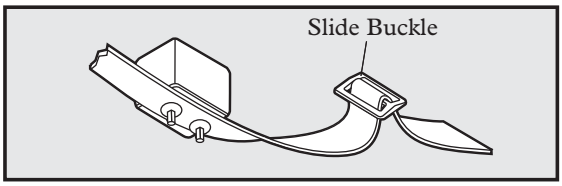




**Important: For comfort, safety and effectiveness of product, please ensure the following:**

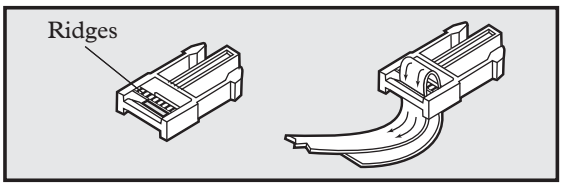
- **During the first 2 weeks of training, do not use the training device on your pet without direct supervision.**
- **Check the fit of the Receiver Collar to prevent excessive pressure. You should be able to insert one finger between the Contact Point and your pet's skin.**
- **Never leave the Receiver Collar on your pet for more than 12 consecutive hours.**
- **Your pet must be carefully examined daily for any signs of a rash or sore.**
- **If a rash or sore is observed, discontinue the use of the Receiver Collar for a few days.**
- **If the condition persists beyond 48 hours, see your veterinarian.**
- **Your dog's neck and the Contact Points must be washed weekly with a wash cloth and mild hand soap, then rinsed thoroughly.**

**A condition called Pressure Necrosis, which is a devitalization of the skin due to excessive and prolonged contact against the Contact Points, may occur if the steps above are not followed.**

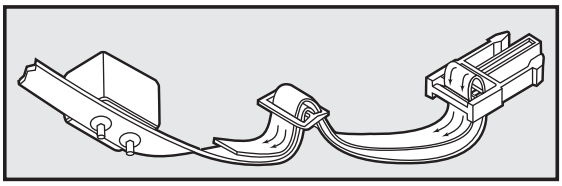
## To Re-Thread the Collar




The slide buckle prevents the collar from becoming loose around your pet's neck.




The ridges must be facing up; the collar will slip if it is not properly threaded.



# Training Guide

## Be Patient With Your Pet

**Important: Proper training of your pet is essential to the success of the PetSafe® Deluxe In-Ground Fence™. Read this section completely before beginning to train your pet. Remember that the PetSafe® Deluxe In-Ground Fence™ is not a solid barrier.**

- Have fun with your pet throughout the training process. Training should be fun, fair, firm and consistent.
- Train for 10 to 15 minutes at a time. Don't try to do too much too quickly. More-frequent short sessions are better than less-frequent longer sessions.
- If your pet shows signs of stress, slow down the training schedule, add additional days of training, or increase the amount of play time with your pet in the Pet Area. Common stress signals include:
  - Pet pulling on leash toward the house
  - Ears tucked
  - Tail down
  - Body lowered
  - Nervous / frantic movement or stiffening of pet's body
- Your pet must be completely comfortable near the Boundary Flags at the end of every training session. Spend at least 5 minutes of "play time" at the completion of each session within 10 feet of the Boundary Flags.
- Finish each training session on a positive note with lots of praise and play.
- Remove the Receiver Collar after each training session.
- Be sure to contain your pet by another means during the training period (e.g. pen, tie-out, leash, etc.).
- During training, if you need to take your pet out of the Pet Area, remove the Receiver Collar and either pick your pet up or put him in the car to pass out of the Pet Area.
- Even if you think your pet is responding well to the training, complete the entire training. Reinforcement is important!

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Phase 1

## Day 1 - Boundary Awareness

Perform three training sessions per day, each lasting 10-15 minutes.

**Goal:**

To have your pet learn that the Boundary Flags and warning beep from the Receiver Collar defines the new Pet Area.

**Setup:**

- Program the Static Correction Level on the Receiver Collar to Level 1 Tone Only training mode.
- Put a separate non-metallic collar on your pet's neck ABOVE the Receiver Collar and attach a leash. *Note: Be sure the extra collar does not put pressure on the Contact Points.*
- Have tiny pieces of treats that your pet will find desirable available (hot dogs or lunch meat work well).
- Have your pet's favorite play toy available.

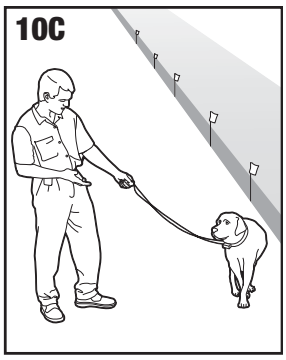
**Steps:**

1. Begin by walking your pet on a leash in the Pet Area. Calmly praise and talk to your pet.
2. Move toward the Boundary Flags (**10A**). Keep your mood happy.
3. With full control of your pet on a leash, walk to the flags. As your pet enters the Static Correction Zone, the Receiver Collar will begin to beep (**10B**). Allow your pet to stay in the Static Correction Zone for up to 2 seconds then gently help him back into the Pet Area (**10C**). Immediately praise and offer your pet a treat as he enters the Pet Area, even if you have helped with the leash.
4. Repeat this process at the same Boundary Flag until your pet resists going into the Static Correction Zone.
5. Aim to master 3-4 Boundary Flags per session. Make this FUN! Praise if your pet quickly retreats or resists going into the Static Correction Zone.










## Phase 2 Days 2 thru 4 - Continue Boundary Awareness

Perform three training sessions per day, each lasting 10-15 minutes.

**Goal:**
To train your pet to stay in the Pet Area and respect the boundary.

**Setup:**
- Program the Static Correction Level on the Receiver Collar to Level 2.
- Put a separate non-metallic collar on your pet's neck ABOVE the Receiver Collar and attach a leash. Note: Be sure the extra collar does not put pressure on the Contact Points.
- Have tiny pieces of treats available (hot dogs or lunch meat work well).
- Have your pet's favorite play toy available.

**Steps:**
1. Repeat steps 1-5 in Phase One.
2. If your pet does not respond to the Static Correction, confirm that the Receiver Collar is fitting properly according to Step 9 on page 13.
3. If the Receiver Collar is fitted properly and your pet does not respond to the Static Correction, increase the Static Correction Level by 1. Watch for slight reactions at first such as ears up, head turned, looking at the ground.
4. Stay at the same flag until your pet resists going into the Static Correction Zone.

## Phase 3 Days 5 thru 8 - Distraction Phase

Perform three training sessions per day, each lasting 10 to 15 minutes.

**Goal:**
To train your pet to stay within the Pet Area with distractions outside of the Pet Area.

**Setup:**
- Program the Static Correction Level on the Receiver Collar to level 2 or higher depending on the reaction results from days 2 thru 4.
- Put a separate non-metallic collar on your pet's neck ABOVE the Receiver Collar and attach a leash. Note: Be sure the extra collar does not put pressure on the Contact Points.
- Have tiny pieces of treats available (hot dogs or lunch meat work well).
- Have your pet's favorite play toy available.
- Create distractions to tempt your pet to enter the Static Correction Zone, such as:
  - Have a family member cross from inside the Pet Area to outside of it.
  - Throw a ball or treat outside of the Pet Area.
  - Have a neighbor walk their pet outside of the Pet Area.
- Gradually increase distraction level.

**Steps:**
1. With full control of your pet on a leash, have the distraction presented.
2. If your pet does not move toward the distraction, praise and offer a treat.
3. If your pet does react to the distraction, allow him to go into the Static Correction Zone.
4. Help your pet back into the Pet Area if he does not turn back after 2 seconds.
5. Treat and praise your pet anytime he comes back into the Pet Area with or without help.

6. Repeat this process with other distractions. Use other family members during this process.
7. If your pet does not respond to the Static Correction, confirm that the Receiver Collar is fitting properly according to Step 9 on page 13.
8. If the Receiver Collar is fitted properly and if your pet does not respond to the Static Correction, increase the Static Correction Level by 1.

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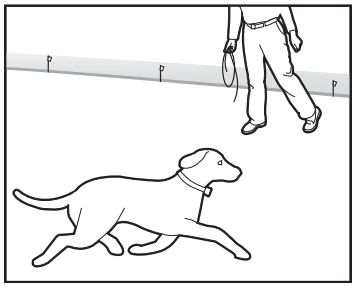
Phase 4

# Days 9 thru 14 - Unleashed Supervision

Training sessions should start at 10-15 minutes, gradually increasing to over an hour.

Your pet is ready for this step only when he clearly avoids the entire Static Correction Zone, regardless of any distractions or temptations. During this step, do not leave your pet unattended.

**Goal:**
To give your pet free run of the Pet Area off the leash.



**Setup:**
Adjust the Receiver Collar to the permanent setting appropriate for your pet.

**Steps:**
1. Enter the Pet Area with your pet wearing the Receiver Collar.
2. Walk around the yard and play with your pet, staying within the Pet Area at all times.
3. Preoccupy yourself with another task in the yard while watching your pet.
4. Should your pet escape, take the Receiver Collar off and lead him back into the Pet Area.

---

Phase 5

# Days 15 thru 30 - Pet Monitoring

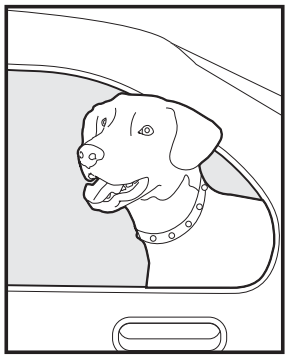
Your pet is ready to run! Check in on your pet at regular intervals.

*Note: After you are satisfied your pet's training is complete, remove every other Boundary Flag every 4 days until all flags are removed. Save Boundary Flags for future use.*

---

# Taking Your Pet Out of the Pet Area

**Important: Remove the Receiver Collar and leave it in the Pet Area.**



Once your pet learns the Boundary Zone, he will be reluctant to cross it for walks or car rides.

**Option 1:** Replace the Receiver Collar with a regular collar. Put your pet in a car that is within the Pet Area and drive him out of the Pet Area.

**Option 2:** Replace the Receiver Collar with a regular collar and leash. Walk your pet out of the Pet Area while giving a command such as "OK" at a specific place of the Boundary Zone (the end of your driveway, sidewalk, etc.). Always leave the Pet Area with a leash at this place and your pet will associate leaving the Pet Area only on a leash, only at this place, and only with a person. You may initially need to convince your pet to leave the Pet Area with a food treat and lots of praise.
*Note: You may also carry your pet out of the Pet Area.*

***Congratulations! You have now successfully completed the training program.***

# Accessories

To purchase additional accessories for your PetSafe® Deluxe In-Ground Fence™, contact the Customer Care Center at 1-800-732-2677 or visit our website at www.petsafe.net to locate a retailer near you.

| Component | Part Number |
|---|---|
| Battery - two pack | RFA-67D-11 |
| Power Adapter for the Fence Transmitter | RFA-372 |
| Lightning Protection Kit | LP-4100-1 |
| Replacement Collar | RFA-41-1 |
| Additional Deluxe UltraLight™ Receiver Collar | PUL-275 |
| Stubborn Dog Receiver Collar | PRF-275-19 |
| Additional Boundary Wire | RFA-1 |
| Additional Boundary Flags | RFA-2 |
| Additional Gel-filled Capsules and Wire Nuts | RFA-366 |
| Wire & Flag Accessory Kit | PRFA-500 |
| Accessory Pack | RFA-281 |
| Deluxe Fence Transmitter | RFA-346 |
| Wire Break Locator | RFA-50 |

# Troubleshooting

| | |
|---|---|
| **Receiver Collar is not beeping or correcting.** | • Check battery to make sure it is installed properly.<br>• Check that both lights are lit on the Fence Transmitter. If not, perform the "Short Loop Test" (page 19). |
| **The Receiver Collar is beeping, but the pet is not responding to the Static Correction.** | • Test the Receiver Collar with the Test Light walking toward the Boundary Wire.<br>• If the Test Light flashes, check the fit of the Receiver Collar.<br>• Trim your pet's fur where the Contact Points touch the neck and/or purchase longer Contact Points by contacting the Customer Care Center at 1-800-732-2677.<br>• Repeat training steps to reinforce training.<br>• Purchase a stronger Receiver Collar by contacting the Customer Care Center at 1-800-732-2677. |
| **The Receiver Collar has to be held on top of the Boundary Wire to activate.** | • Replace battery.<br>• Adjust Boundary Width Control knob clockwise to increase the distance from the Boundary Wire that the Receiver Collar activates. You can also adjust the Boundary Control Switch to another setting.<br>• If using a Double Loop, make sure Boundary Wires are separated 3 to 5 feet.<br>• If the Receiver Collar still has to be held on top of the Boundary Wire, contact the Customer Care Center at 1-800-732-2677. |
| **The Receiver Collar activates inside the house.** | • Turn the Boundary Width Control knob counterclockwise to decrease the distance from the Boundary Wire that the Receiver Collar activates.<br>• Make sure the Boundary Wire is not running too close to the house. The signal can transmit through the walls of your house.<br>• Make sure Boundary Wires are twisted from Boundary to the Fence Transmitter. |
| **I have an inconsistent signal.** | • Make sure Fence Transmitter is at least 3 feet from large metal objects or appliances.<br>• Make sure all Boundary Wire turns are gradual.<br>• Make sure the Boundary Wire is not running parallel to and within 5 feet of electrical wires, neighboring containment systems, telephone wires, television or antenna cables, or satellite dishes.<br>• If a neighboring containment system may be causing an inconsistent signal, contact the Customer Care Center at 1-800-732-2677 to see if a different frequency system will help your situation. |

| | |
|---|---|
| **The Power and Loop Indicator Lights are off.** | • Check that the Power Adapter is plugged into the Fence Transmitter.<br>• Try plugging into another 120-volt outlet.<br>• If the lights still do not come on, the Fence Transmitter and/or Power Adapter needs to be replaced. Contact the Customer Care Center at 1-800-732-2677. |
| **The Power Light is on, the Loop Indicator Light is off, and the Fence Transmitter loop alarm is sounding.** | • Make sure both ends of the Boundary Wire are plugged into Boundary Wire Terminals and that ½ inch of the insulation is stripped so that the copper wire is exposed.<br>• Perform the "Short Loop Test" (page 19) to determine if the Fence Transmitter needs to be replaced or if the Boundary Wire is broken.<br>• If the Fence Transmitter is functioning properly, you have a break in your Boundary Wire. See the "Locating a Break in the Wire" (page 19) section in this guide. |
| **The fuse blows when it is replaced.** | • The Fence Transmitter and/or Power Adapter needs to be replaced. Contact the Customer Care Center at 1-800-732-2677. |

# Additional Information

- The Boundary Wire is buried so that it is not accidentally tripped over or cut. Use care when using a weed eater or when digging near the Boundary Wire to prevent damage.
- The system should only be used with healthy pets. Contact your veterinarian if you have concerns about the medical condition of your pet (medication, pregnant, heart conditions, etc.).
- This system is not for vicious or aggressive pets. If your pet may pose a threat to others, **DO NOT USE THIS SYSTEM.** If you are unsure if your dog is aggressive, please consult your veterinarian or a certified trainer.
- The PetSafe® Deluxe In-Ground Fence™ is for residential use only.
- The Static Correction will get your pet's attention, but will not cause harm. It is designed to startle, not to punish.
- Test the Receiver Collar at least once a month to verify that it is functioning properly. Check that it activates at the Boundary Wire. Battery life depends upon how often the Receiver Collar is activated.
- Remove the Receiver collar from your pet when indoors for the comfort of your pet.
- Never leave the Receiver Collar on your pet for more than 12 consecutive hours.

# Short Loop Test

The Short Loop Test is a simple test to determine if each component (Fence Transmitter, Receiver Collar and Boundary Wire) is functioning properly.

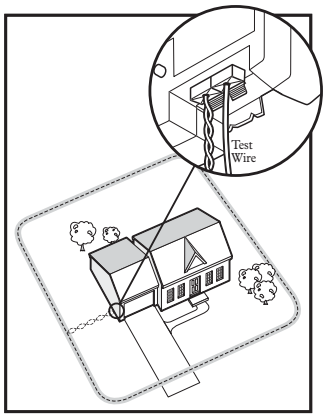
1. Disconnect the Boundary Wire and Ground Wire.
2. Cut approximately 10 feet of unused Boundary Wire and connect it to the Boundary Wire Terminals.
3. Spread the Boundary Wire out into a circle. Set the Boundary Control Switch to **B**.
4. Set the Boundary Width Control knob to 10 and the Static Correction Level to level 2 or above.
5. If the Loop Indicator Light is not lit, then your Fence Transmitter is not functioning properly. Contact the Customer Care Center at 1-800-732-2677.
6. If the Loop Indicator Light is lit, disconnect one end of the Boundary Wire from the Boundary Wire Terminal.
7. If the loop alarm does not sound, the Fence Transmitter needs to be replaced. Contact the Customer Care Center at 1-800-732-2677.
8. If the loop alarm does sound, plug the Boundary Wire back into the Boundary Wire Terminal.
9. Hold the Test Light Contacts to the Receiver Contact Points. Hold the Receiver Collar next to the 10-foot length of Boundary Wire. The Receiver Collar should beep about one foot away from the Boundary Wire. The Test Light should then flash as you hold the Receiver Collar closer to the Boundary Wire.
10. If Receiver Collar does not beep and the Test Light does not flash, replace the battery in the Receiver Collar. If it still does not beep and the Test Light does not flash, contact the Customer Care Center at 1-800-732-2677.
11. If the Receiver Collar beeps, there may be a complete or partial break in the Boundary Wire. See the "To Locate a Break in the Boundary Wire" section (page 19).

# To Locate a Break in the Boundary Wire

Please follow these steps in determining where you have a break in your Boundary Wire:

1. Locate your original splice(s) and verify they have a good, solid connection.
2. Check your yard to determine any possible damage to the Boundary Wire (e.g. recent digging, aerating, rodent burrowing, or any other noticeable disturbance in your yard next to the Boundary Wire).

If you still cannot find the break in the Boundary Wire, there are two options for locating it:
**Option 1:** Contact the Customer Care Center at 1-800-732-2677 to purchase a Wire Break Locator that will locate the break in the Boundary Wire.
**Option 2:** Follow the procedure below:




1. Unplug the Fence Transmitter.
2. Connect both ends of your twisted Boundary Wire to one Boundary Wire Terminal.
3. Measure and cut a Test Wire which is half the length of your total Boundary Wire footage.
4. Connect one end of Test Wire to the other Boundary Wire Terminal.
5. Locate the halfway point of your boundary and cut the Boundary Wire.
6. Splice the other end of the Test Wire to either side of your Boundary Wire where you cut it in half.
7. Plug in the Fence Transmitter and check the Loop Indicator Light. If the Loop Indicator Light is on, you can assume the break is in the other half of the Boundary Wire.
8. If the Loop Indicator Light did not come on, you may assume there is a break in this portion of the Boundary Wire. However, there is a small chance of having more than one break in your system. Be sure to check both halves of your entire loop.
9. Replace the damaged Boundary Wire with new Boundary Wire.
10. Reconnect the Boundary Wire to the Fence Transmitter.
11. Check the Loop Indicator Light. If the Loop Indicator Light is on, test the system with the Receiver Collar.

# Terms of Use and Limitation of Liability

1. **Terms of Use**
   This Product is offered to you conditioned upon your acceptance without modification of the terms, conditions and notices contained herein. Usage of this Product implies acceptance of all such terms, conditions, and notices.
2. **Proper Use**
   This Product is designed for use with pets where training is desired. The specific temperament of your pet may not work with this Product. We recommend that you not use this Product if your pet is less than 8 pounds or if your pet is aggressive. If you are unsure whether this is appropriate for your pet, please consult your veterinarian or certified trainer.

   Proper use includes reviewing the entire Guide provided with your Product and any specific Caution statements.
3. **No Unlawful or Prohibited Use**
   This Product is designed for use with pets only. This pet training device is not intended to harm, injure or provoke. Using this Product in a way that is not intended could result in violation of Federal, State or local laws.
4. **Limitation of Liability**
   In no event shall Radio Systems® Corporation be liable for any direct, indirect, punitive, incidental, special or consequential damages, or any damages whatsoever arising out of or connected with the use or misuse of this Product. Buyer assumes all risks and liability from the use of this Product.
5. **Modification of Terms and Conditions**
   Radio Systems® Corporation reserves the right to change the terms, conditions and notices under which this Product is offered.

# Compliance

## FCC/Canada

This Class B digital apparatus complies with Canadian ICES-003. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction guide, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a practical installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Relocate the interfered receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different to that to which the receiver is connected.
- Contact the Customer Care Center at 1-800-732-2677.

This device complies with Industry Canada Rules. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized changes or modifications to the equipment, not approved by Radio Systems® Corporation, could result in not meeting compliance with FCC regulations and could void the user's authority to operate the equipment.

### Australia

This device complies with the applicable EMC requirements specified by the ACMA (Australian Communications and Media Authority).

# Customer Care International

United States / Canada: 1-800-732-2677

Australia: 1800 786 608

New Zealand: 0800 543 054

# Caution

The PetSafe® Deluxe In-Ground Fence™ is NOT a solid barrier. The system is designed to act as a deterrent to remind pets by electric stimulation to remain in the boundary established. It is important that you reinforce training with your pet on a regular basis. Since the tolerance level to electrical stimulation varies from pet to pet, Radio Systems® Corporation CANNOT guarantee that the system will, in all cases, keep a pet within the established boundary. Not all pets can be trained to avoid crossing the boundary! Therefore, if you have reason to believe that your pet may pose a danger to others or harm himself if he is not kept from crossing the boundaries, you should NOT rely solely upon the PetSafe® Deluxe In-Ground Fence™ to confine your pet. Radio Systems® Corporation shall NOT be liable for any property damage, economic loss or any consequential damages, sustained as a result of any animal crossing the boundary.

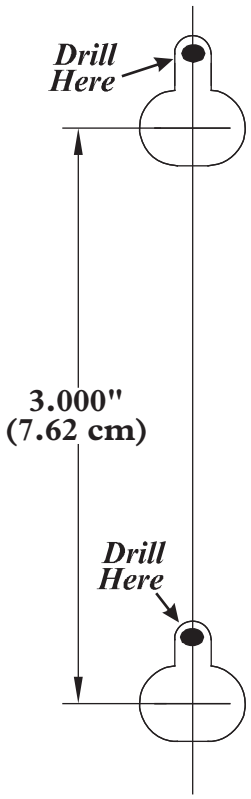
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# Perchlorate Battery

Perchlorate Material – special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

# Layout Grid

## Mounting Template




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1-800-732-2677
www.petsafe.net
Protected by US Patents 6,921,089 and D515,027.
Other patents pending.
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