



PREMIUM SERIES

Operator's Manual

AND WARRANTY

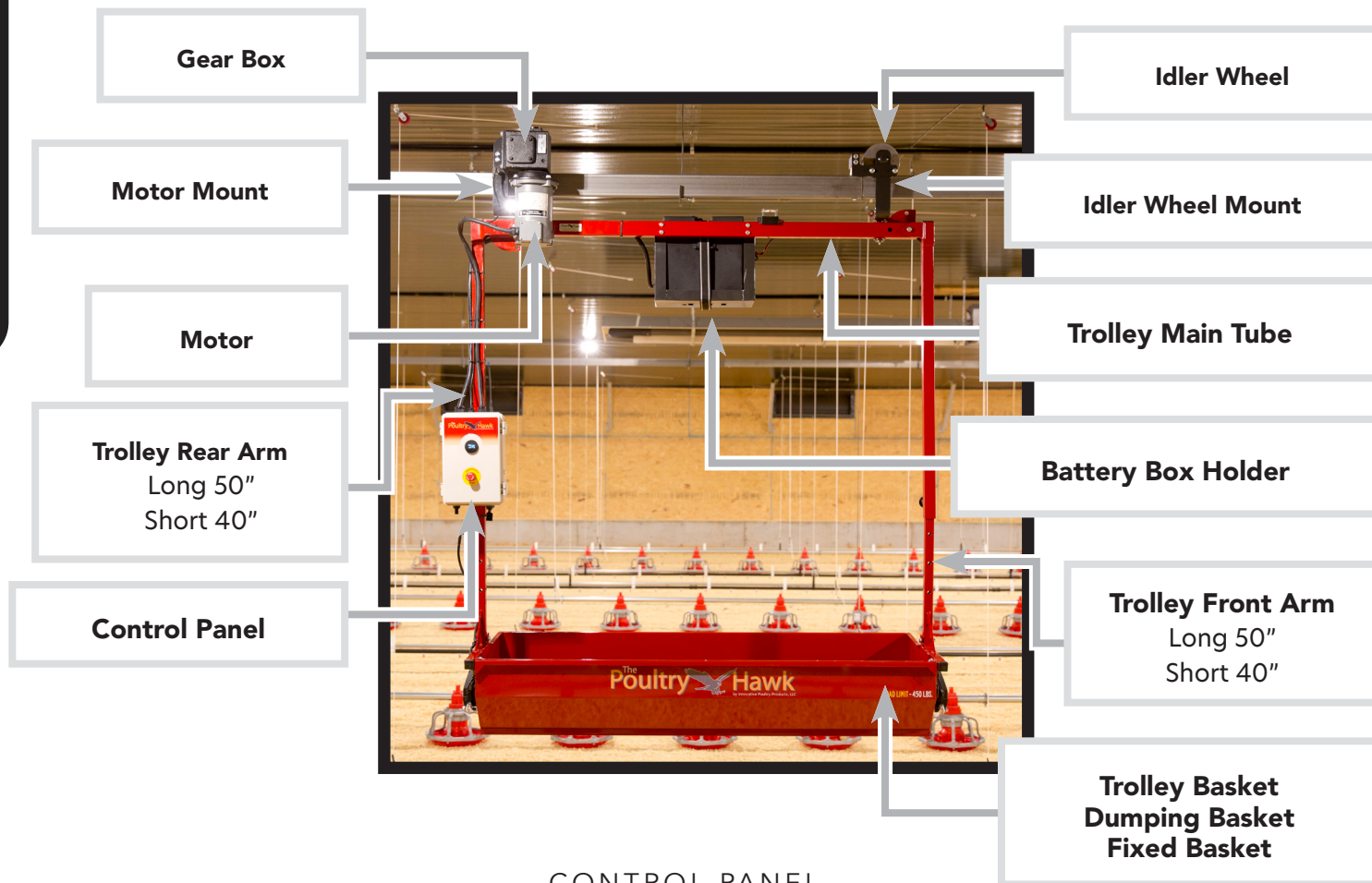


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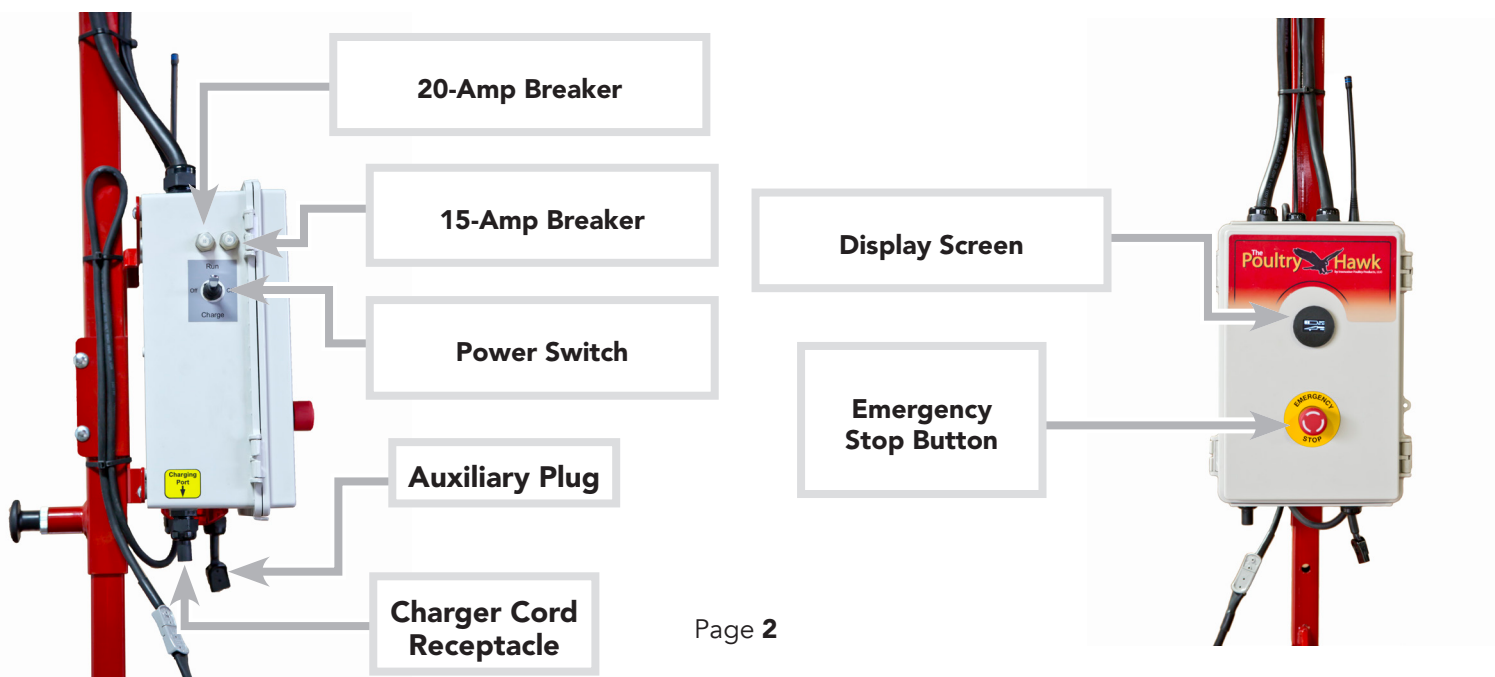
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Product Identification

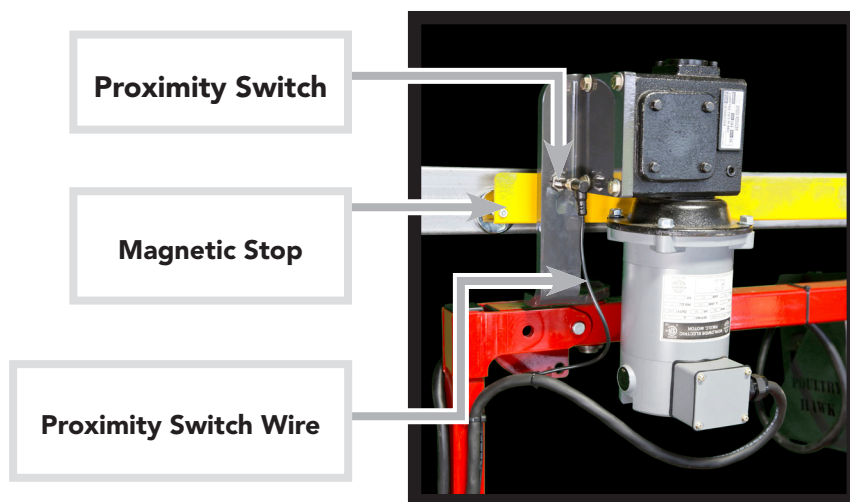
POULTRY HAWK® COMPONENTS



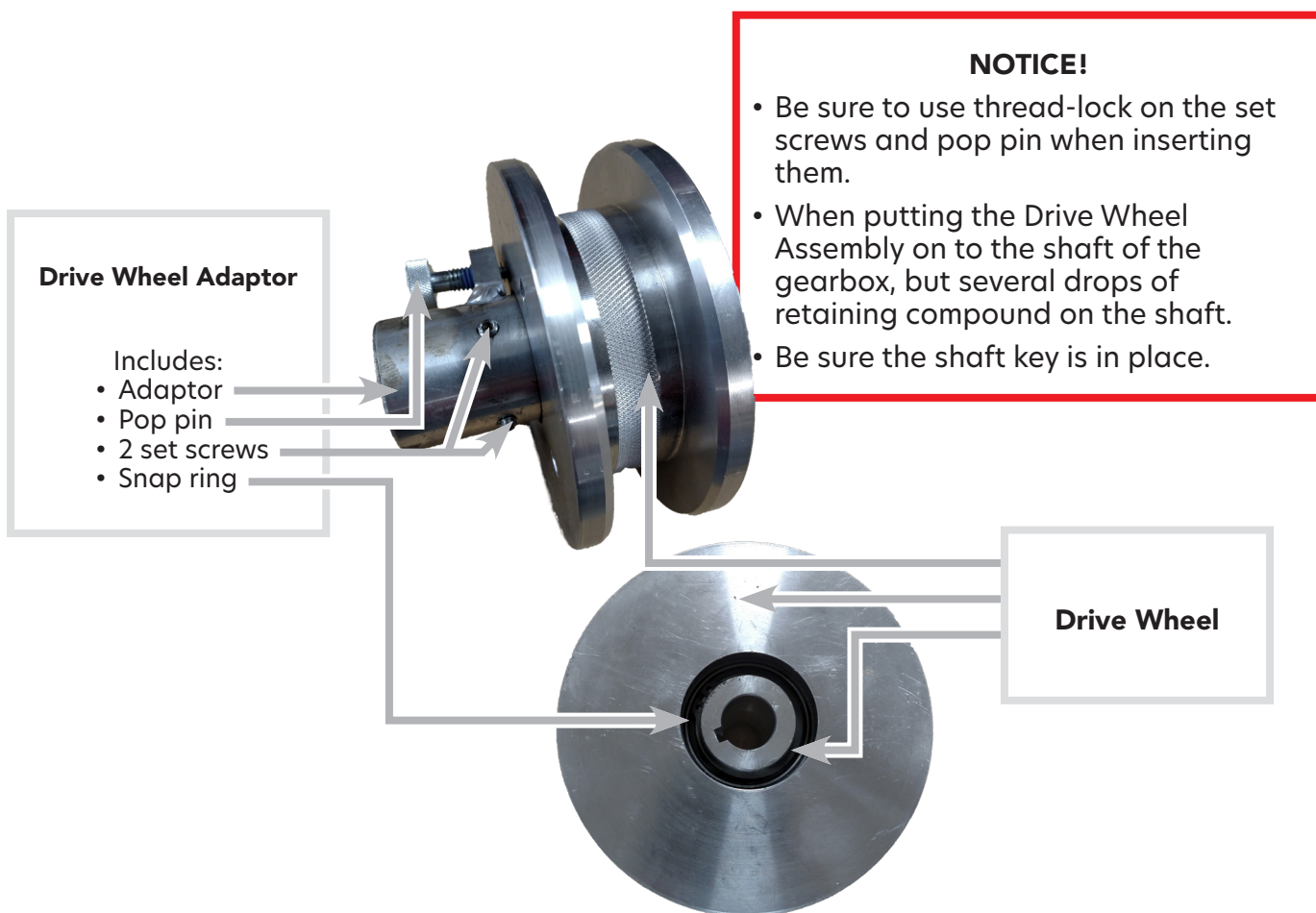
CONTROL PANEL



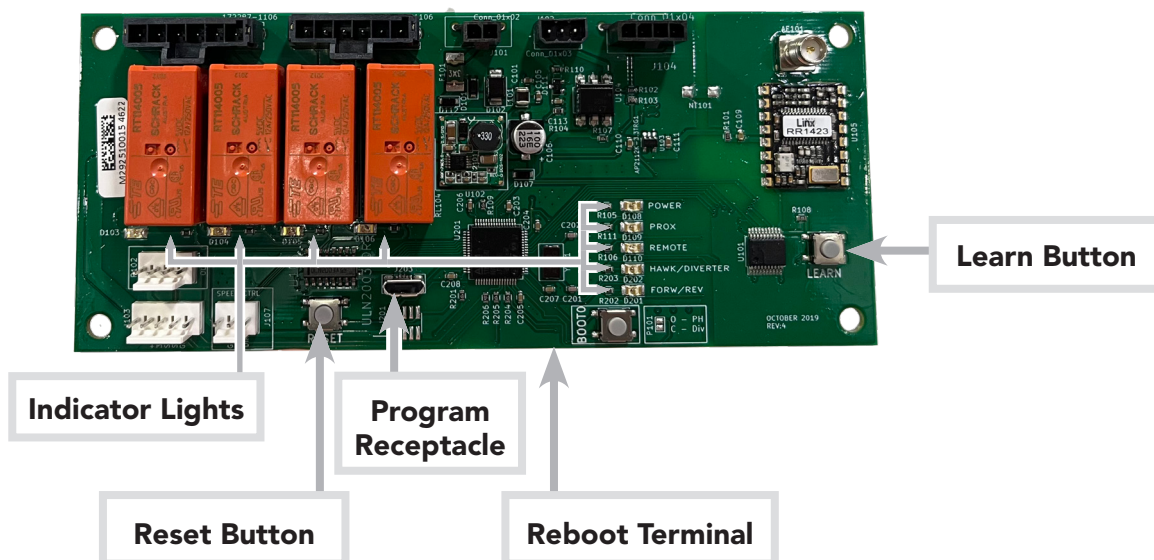
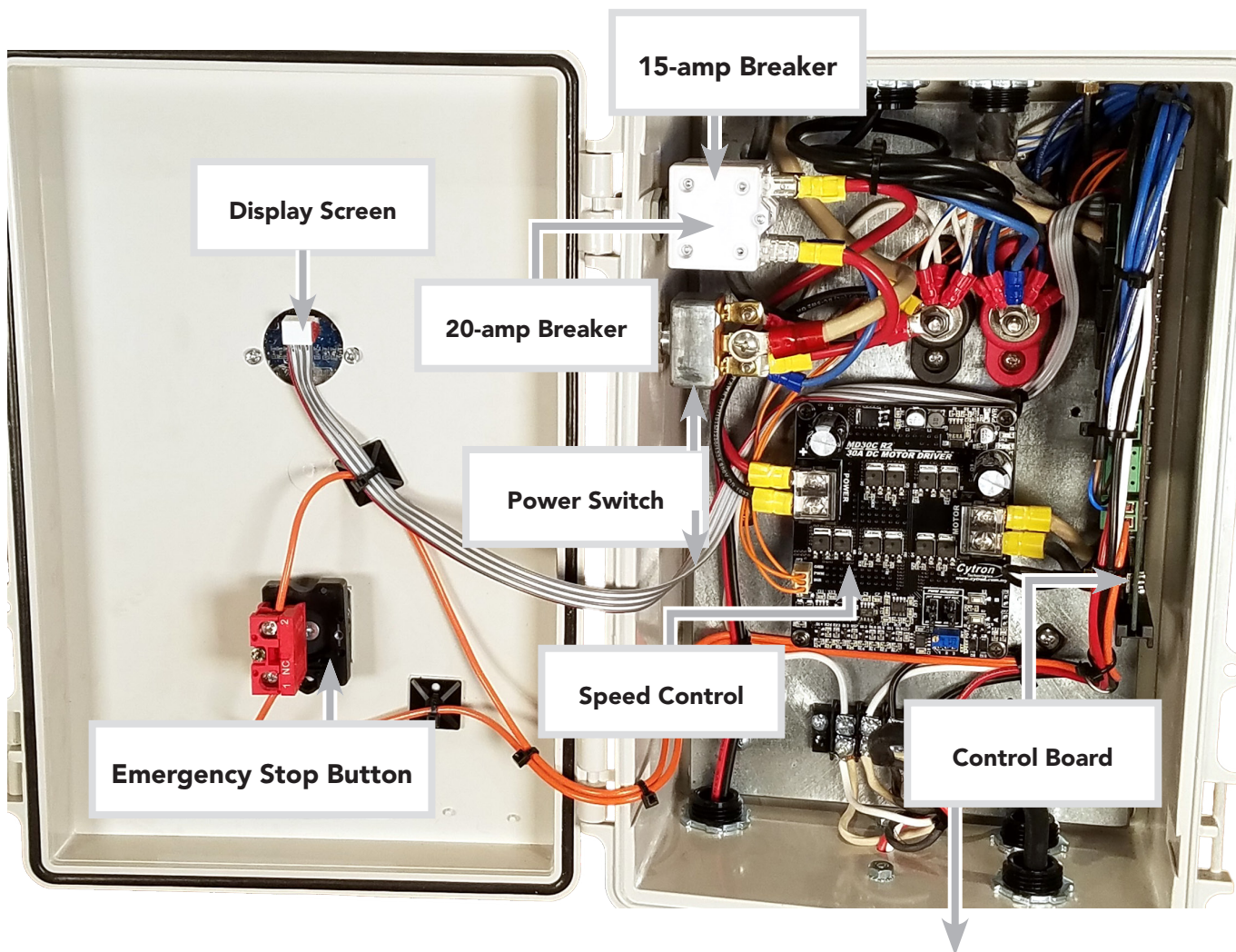
PROXIMITY SWITCH



DRIVE WHEEL ASSEMBLY



INSIDE THE CONTROL PANEL



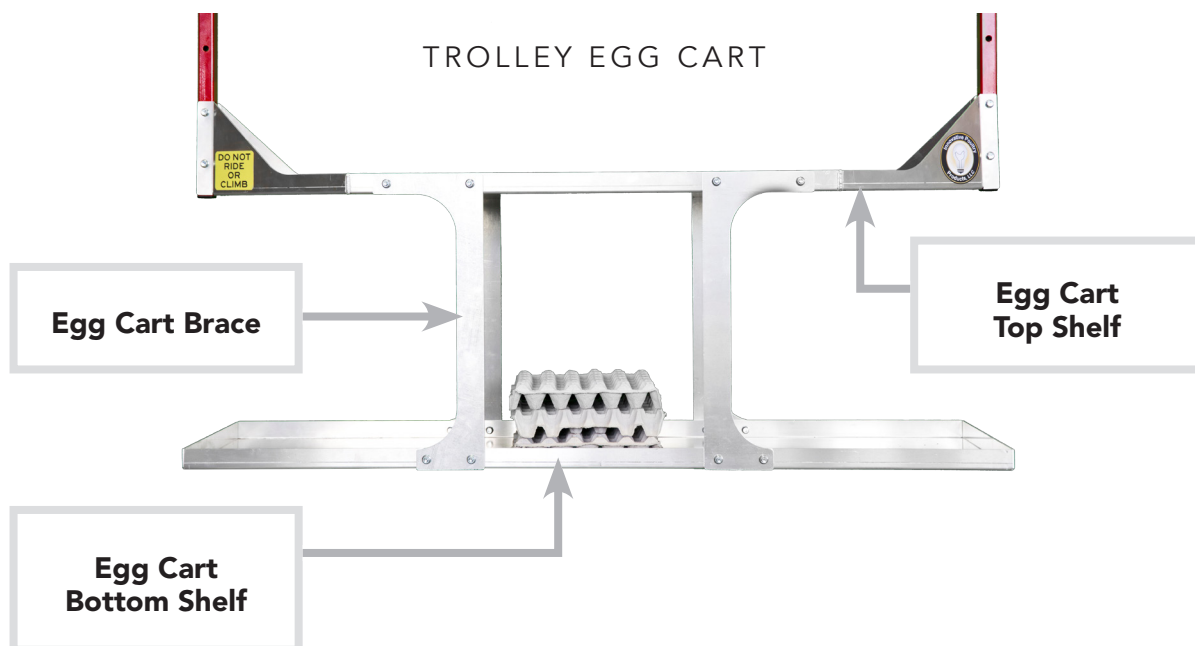
TROLLEY FIXED BASKET



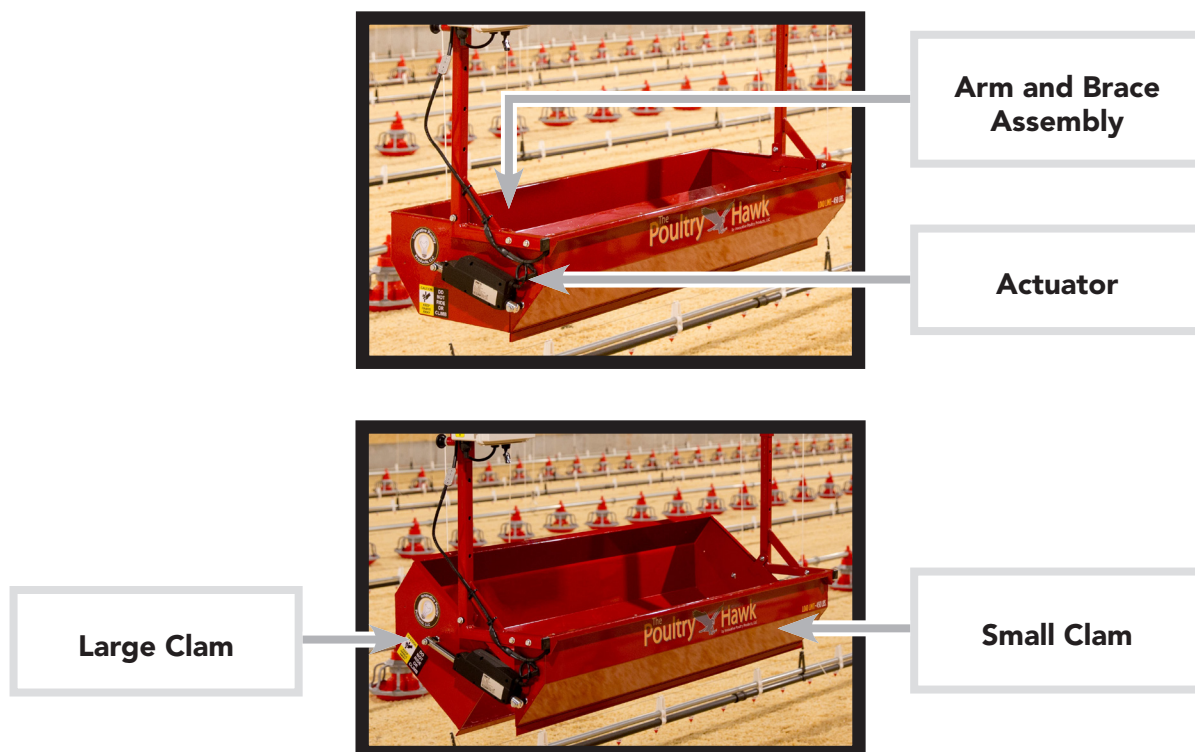
An example showing basket capacity

TROLLEY ARM EXTENSION

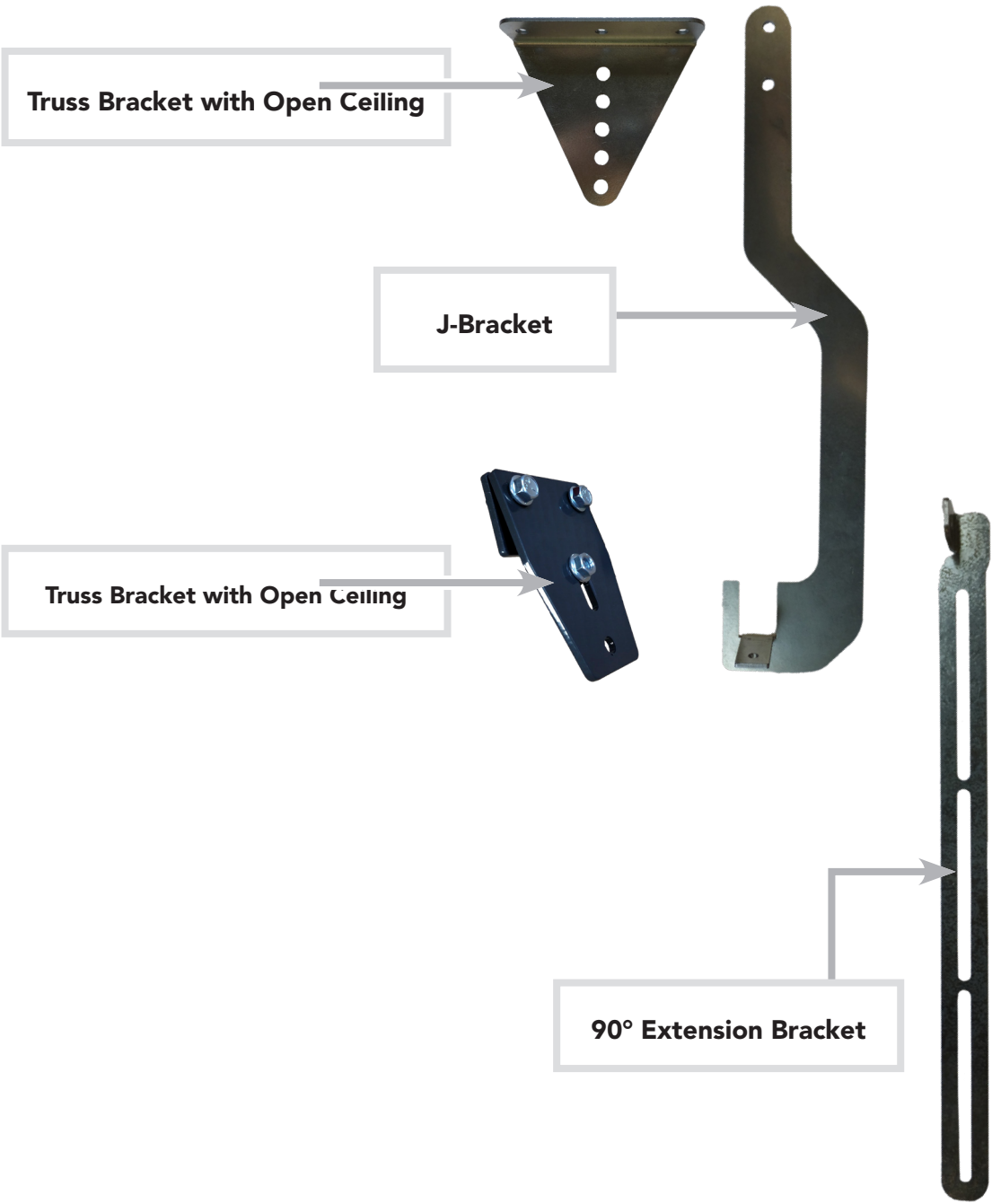




TROLLEY DUMPING BASKET

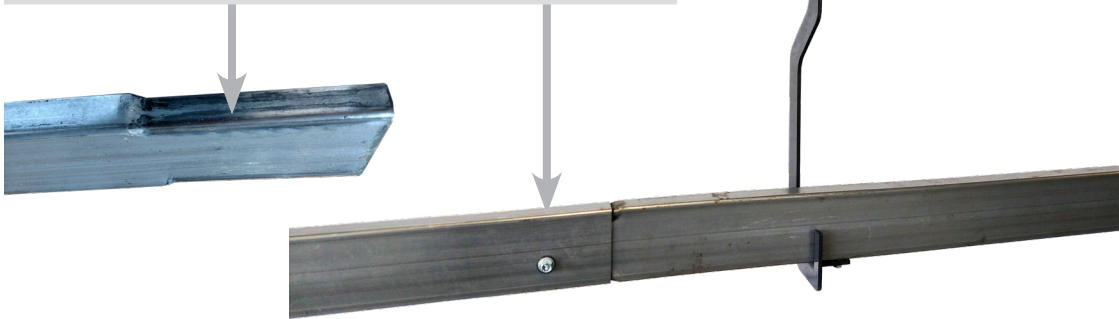


RAIL SYSTEM

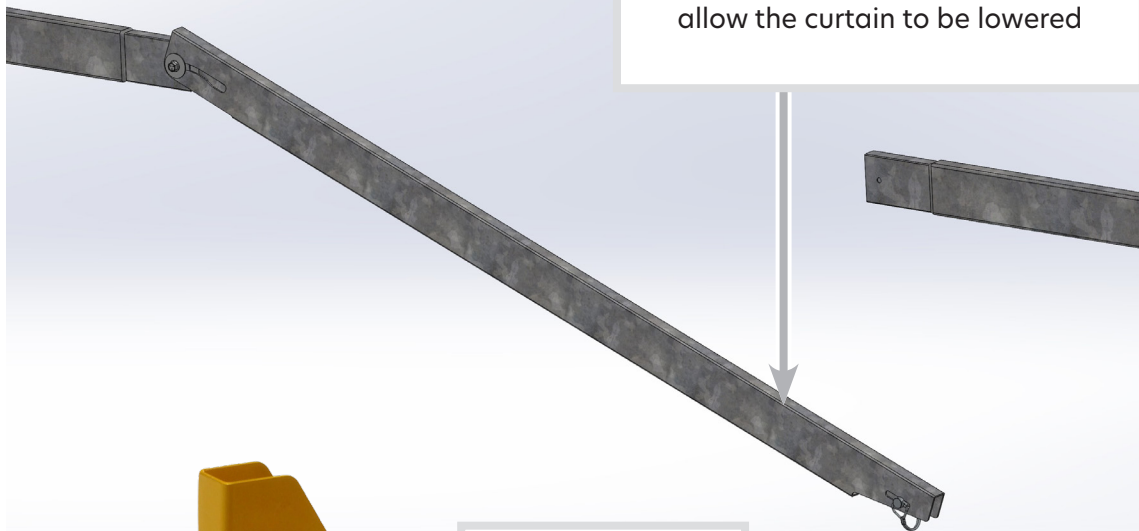


Swedged Joints:

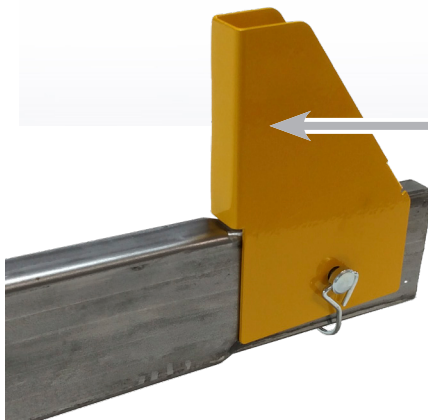
The swedging process simply decreases the size of the rail, allowing for the pieces to be joined together into a strong, smooth joint.



Divider Curtain Bridge:
used at the Divider Curtain to
allow the curtain to be lowered



End Stop

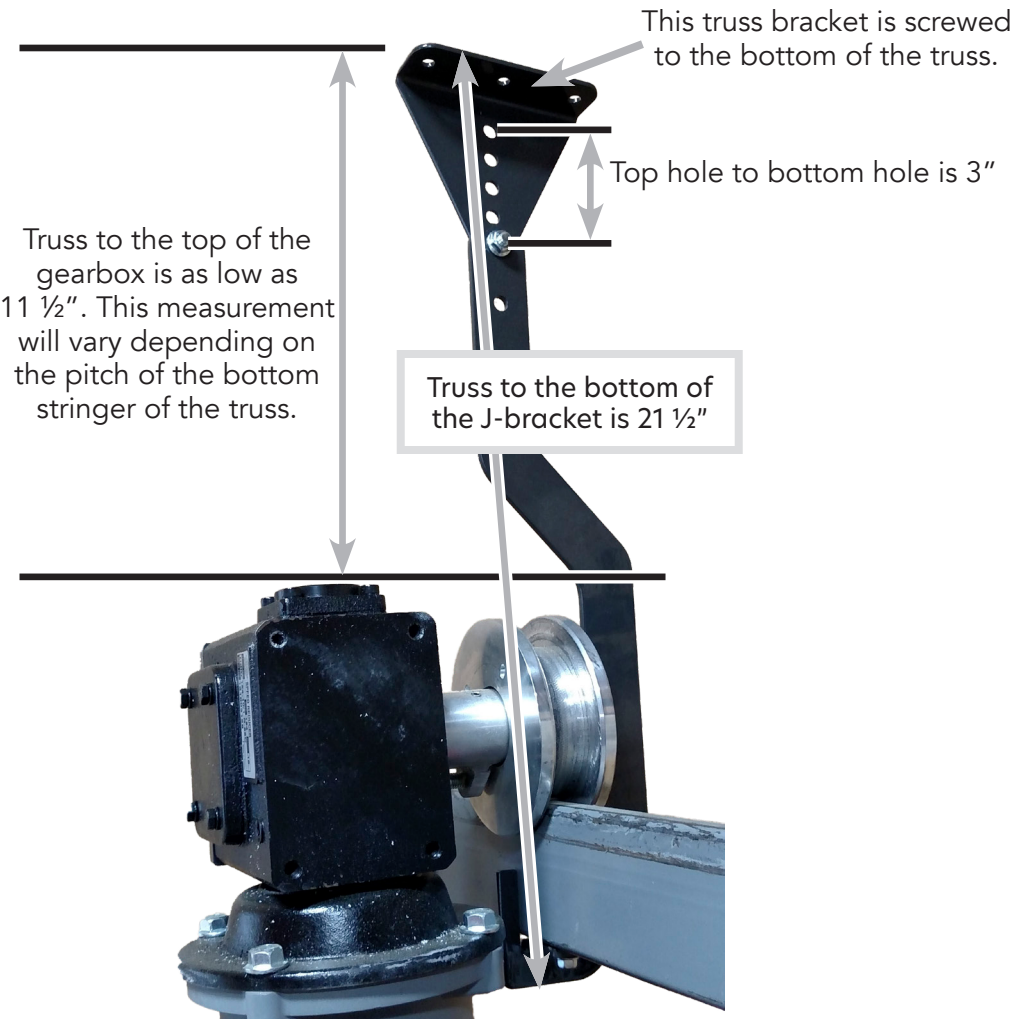


Specifications

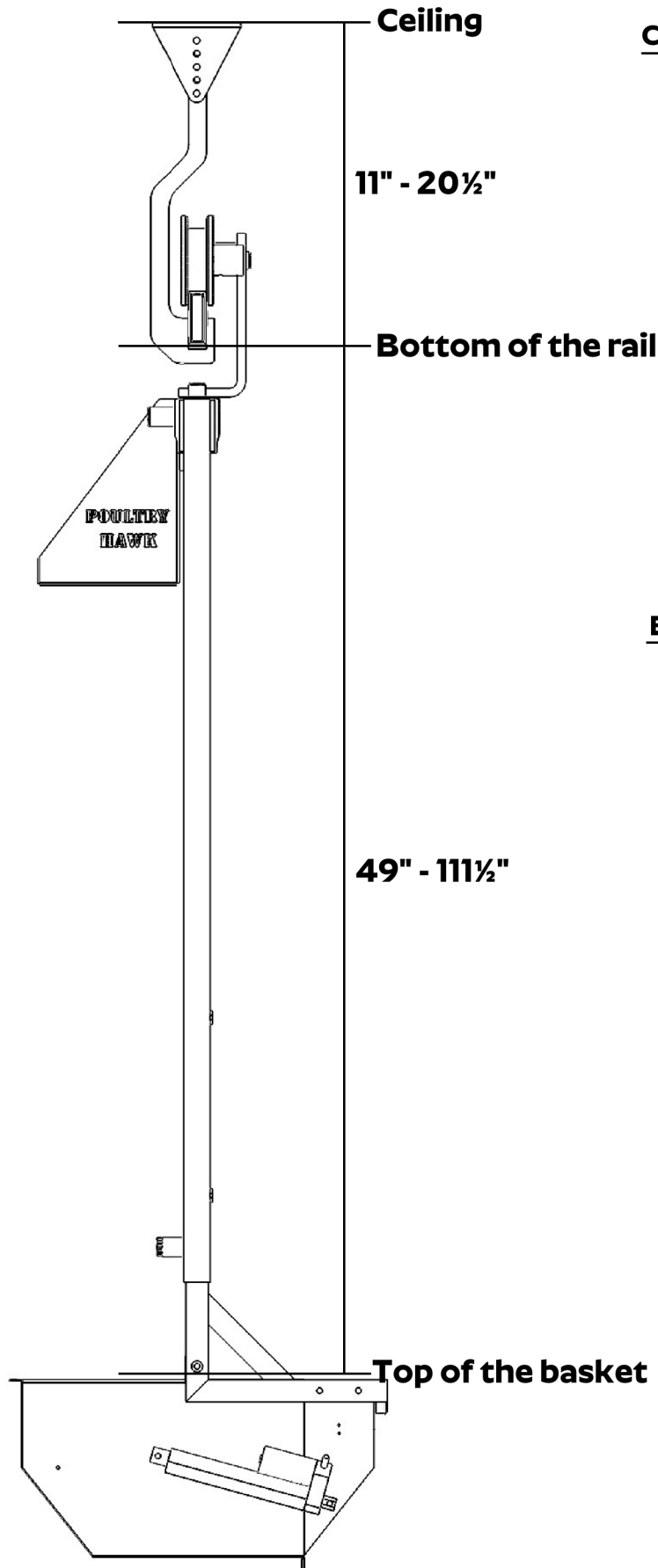
POULTRY HAWK® BASKET

Length	60 inches	
Width	20 inches	
Depth	Dumping basket	Fixed basket
	10 inches	6 inches
Weight capacity	450 pounds	

TRACK AND TROLLEY HEIGHT



Poultry Hawk® Premium Series Height Information



Ceiling to the bottom of the rail:

- Standard Truss Bracket (5 holes)
 - Standard J-Bracket : 17½" - 20½"
 - Short J-Bracket : 11" - 14"
- Short Truss Bracket (3 holes)
 - Standard J-Bracket: 17½" - 19"
 - Short J-Bracket: 11" - 12½"

Bottom of the rail to the top of the basket:

- Short Arm:
 - Standard: 49" - 61"
 - With Arm Extension: 70" - 101½"
- Long Arm:
 - Standard: 59" - 71"
 - With Arm Extension: 80" - 111½"

Safety

UNDERSTANDING THE SAFETY LABELS

Safety labels are located on each end of the Poultry Hawk®.

SAFETY FEATURES

Located on the control panel is an emergency button. Pushing this button accomplishes two things. First, when this button is pushed, the basket will open; and second, the Poultry Hawk® will stop traveling.

SAFETY PRECAUTIONS

- A. **Do not ride!** The Poultry Hawk® is not intended for people to ride in. Doing so, may result in injury and may also do damage to the trolley itself.



- B. The dumping basket has several pinch points. **Keep hands away!!**
- C. When attempting to install or remove the Poultry Hawk®, **do not lift the trolley off the track.**
- D. If you need to remove the Poultry Hawk® from the track, use extreme caution. The Hawk is somewhat top-heavy, so be careful.
- E. **Be sure to bolt an end stop** into place whenever a section of rail is removed. For example: whenever a bridge is removed at a divider curtain, secure an end stop in place on the side of the curtain toward the Poultry Hawk® in order to prohibit the Hawk from running off the track.

Operating the Poultry Hawk®

UNDERSTANDING THE KEY FOB

See key fob map on page 13



USING THE KEY FOB

1. The key fob will give direction to the Poultry Hawk® up to 1000 ft .
2. When you are ready to begin using the Poultry Hawk®, simply press the button on the fob that moves the Hawk in the direction you wish to move. You may stop and start the Hawk as often as you wish.

Key Fob Map

UNDERSTANDING YOUR POULTRY HAWK® REMOTE

Diverter button: for use if you have the Poultry Hawk® Track Diverter system

Stop button: Stops the Poultry Hawk® when it is traveling.

Speed Control buttons:

- (-) will decrease speed
- (+) will increase speed

Directional buttons:

- When facing the control panel on the Poultry Hawk®, the left button will command the PH to move left and the right button will command it to move right.
- If the Poultry Hawk® is at a Magnetic stop, hold the directional button down until the PH begins to move, then release the button.



Dump button:

- Press once to open the dump.
- Press again to close the dump
- If emergency stop has been released, press the dump button to close the dump.

Accessory button: for operation of accessories used on the Poultry Hawk®, such as the Poultry Hawk® sprayer. Available from Innovative Poultry Products LLC

USING THE MAGNETIC STOP

Magnetic Stop

The Magnetic Stop should be placed on the side of the track facing the Poultry Hawk® Proximity Switch. It may be placed on the track wherever you want the Poultry Hawk® to stop when it arrives there. Place the stop on the track with the magnets on the bottom of the stop. Be sure the top edge of the Magnetic Stop is higher than the Proximity Switch on the Poultry Hawk®.

Proximity Switch

The Proximity Switch serves to stop the Poultry Hawk® when it senses a Magnetic Stop. It works for either direction of travel. The gap between the Proximity Switch and the Magnetic Stop should be no less than 1/8" and no more than 1/4".



THE EMERGENCY STOP BUTTON

This button's function is for safety and for protecting your investment.

- **Safety:** The dump basket has several pinch points that potentially can be harmful. If you, someone else, or something is being pinched by one of these points, push the Emergency Stop button in. The dump will begin opening, releasing these pinch points.
- **Protection:** The Emergency Stop button also serves to stop the Poultry Hawk® from traveling. If your remote ceases to operate or you are not able to reach the remote quickly enough, push the Emergency Stop button in. The Poultry Hawk® will stop.
- To reset the Emergency Stop button, twist it clockwise, and it will snap back into set position.



**Emergency
Stop Button**

PREPARING THE BASKET FOR OTHER USES

The Poultry Hawk® can help with multiple chores within the poultry house. Here are some guidelines to follow when preparing the unit for these chores.

- **Do not** extend the sides of the basket.
- **Be sure to** unplug the basket.
- An auxiliary plug (black plug end) is provided to power attachments designed for the Poultry Hawk®.

PREPARING THE POULTRY HAWK® FOR CLEAN OUT

(Two people are needed to remove or install the basket)

Removing the basket

- Unplug the dumping basket from the Poultry Hawk®.
- Release both pop pins at the bottom of the Poultry Hawk® arms.
- Slide the basket down and out away from the Poultry Hawk® arms.

Raising the trolley arms

- Fold up the arm opposite the control panel first.
- Release the pop pin and swing up the arm until the pin pops into place
- Next, release the pop pin on the arm with the control panel and swing the arm up until that pin holds it into place.
- The unit will travel even when the arms are folded up.

Installing the basket

- Be sure the pop pins at the bottom of the Poultry Hawk® arms are in the lock out position.
- Insert the basket arms into the Poultry Hawk® arms and slide upward to the desired height. Be careful that you do not lift the trolley off the track during this step.
- Be sure the pop pins have snapped securely into position before letting go of the basket.
- Plug the dump basket into the Poultry Hawk®. The basket wire plugs into the matching gray wire end coming from the trolley control panel.

UNDERSTANDING AND USING THE POWER SWITCH.

The power switch has three positions, on-off-charge.

- Be sure to switch to the "off" position when storing your Poultry Hawk®. This is advisable when not using the Poultry Hawk® for an extended period of time.
 - Be aware that if the switch is left "on" your battery will slowly drain over time.
 - Battery life is shortened when a battery has less than 12-volts over an extended period of time.
- Place the switch in the "on" position when you need to run the unit.
- Place the switch in the "charge" position when you need to charge the battery.

Maintaining the Poultry Hawk®

The Poultry Hawk® requires very little maintenance. Following the steps below will extend the life of the unit.

- When washing the Poultry Hawk® avoid spraying water directly onto the control panel. While the panel is water resistant, it is not advisable to spray water on it directly.
- 4-5 times a year, grease the pivot points at the bottom of the wheel mounts by pumping grease into the grease zerks located at the bottom of the mount shaft on unit's serial number 298 and up. For unit's serial number 1-297 spray a liquid grease onto the mount shaft.
- Regularly check the drive shaft and drive wheel for any sign of the wheel shaft sliding off the gearbox shaft.
- Be sure to clean out the charger cord ends periodically. Connection is affected by dirt build up.

Charging the Poultry Hawk®

The Poultry Hawk® uses a 12-volt, 24 series (group size 24) deep cycle, marine battery. You need to provide this yourself. A charger, however, is provided with the hawk. The battery does not need to be charged after every use, but the voltage meter should show at least 12 volts when the unit is not in use. In order to maintain battery life, charge the battery if the meter shows below 12 volts.



Rail System Installation

The rail system brackets are installed on 8-10 foot spacing. **Do Not Exceed 10 feet!**

RAIL BRACKET USAGE

Truss Bracket

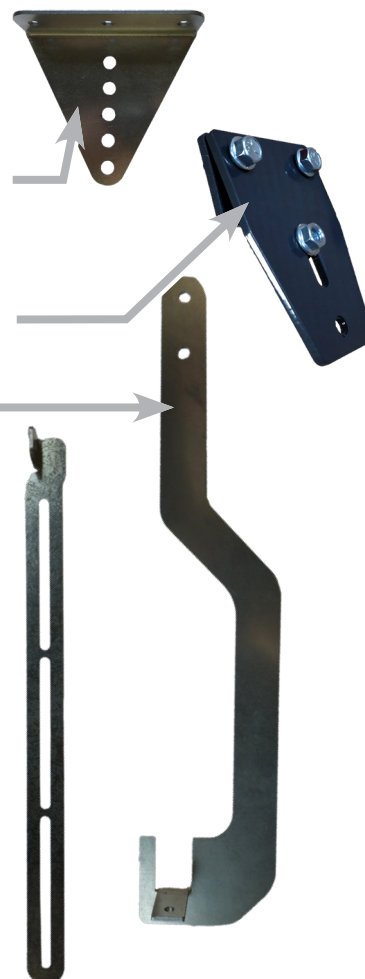
- **Wood truss:** Use **two structural screws** (provided) to fasten this bracket to the bottom of the truss. A third screw may be used if a firm hold was not attained with the first two screws. Most times the third screw is not necessary.
- **Metal truss:** This bracket is intended for use in poultry barns built using metal trusses and that have an open ceiling.

J-Bracket

- The J-bracket is bolted to the truss bracket using a $\frac{5}{16} \times \frac{3}{4}$ inch flange bolt and nut. Be sure to tighten.

90° Extension Bracket

- The extension bracket serves two purposes. First, it turns the J-bracket 90 degrees in order for the J-bracket to be oriented correctly for the rail across the ends of the poultry house. Second, it is used to extend the J-bracket lower to accommodate any rise in the ceiling that may occur, especially across the end of a poultry house. These brackets can easily be cut to the needed length. Two $\frac{5}{16} \times \frac{3}{4}$ inch flange bolts and nuts are used with this bracket.



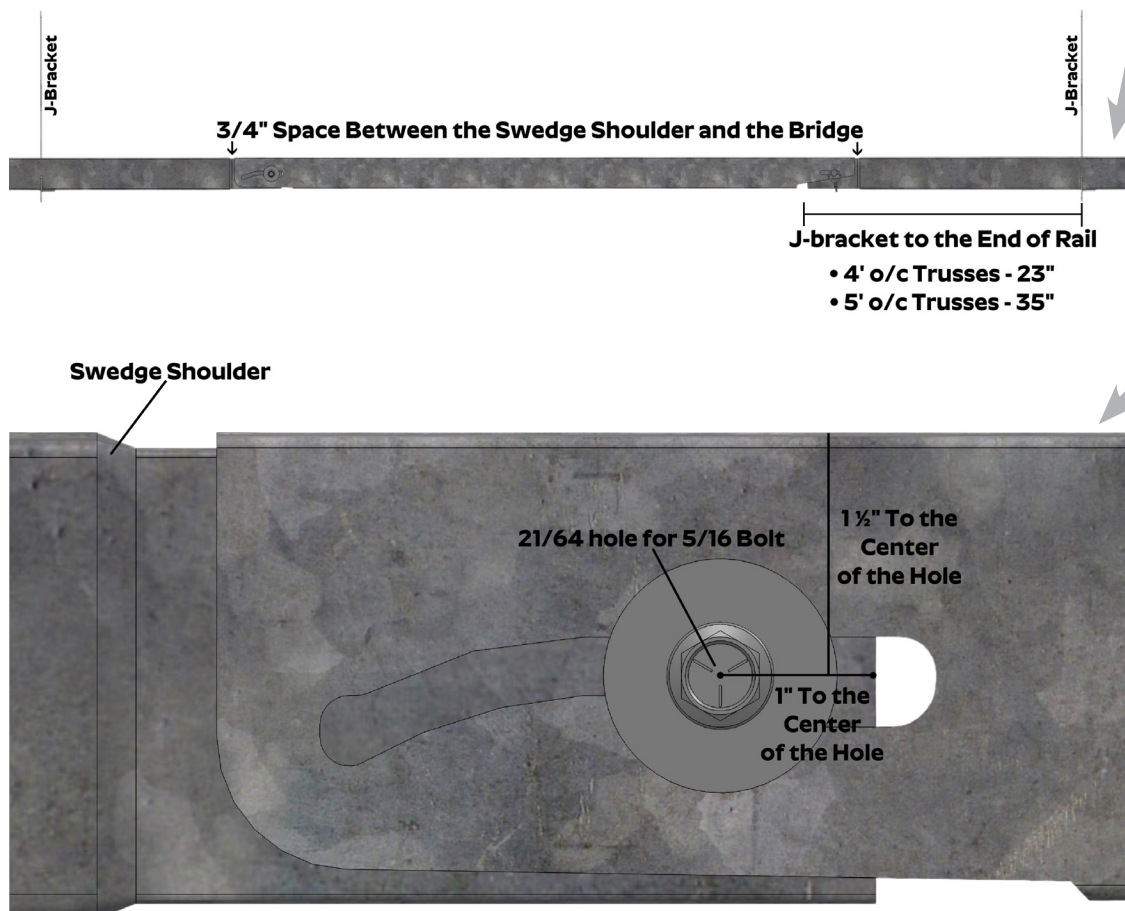
JOINING THE RAIL SECTIONS

- Join the rail sections together by inserting the swedged rail end of one piece into the unswedged rail end of the next piece.
- Secure this joint by putting a $\frac{1}{4} \times 1$ " self-tapping screw into the joint. Be sure to keep the self-tapping screw in the lower half of the rail.

ACCOMMODATING THE DIVIDER CURTAIN

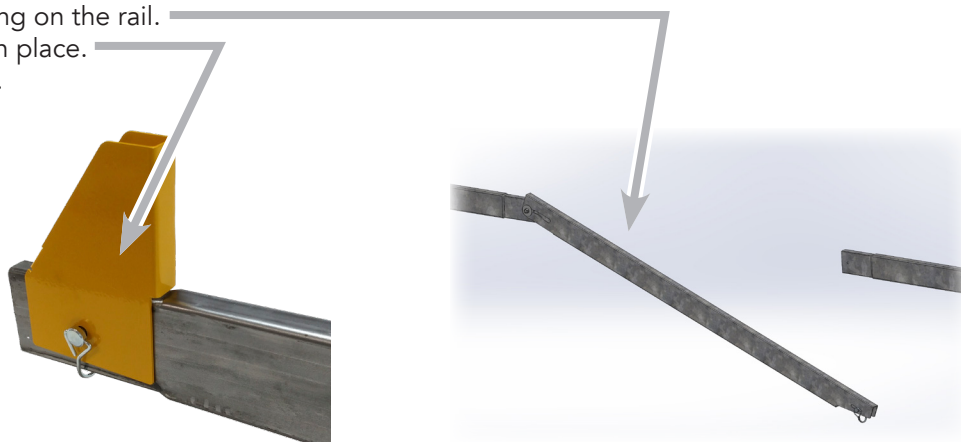
Installing the Divider Curtain Bridge

- Place brackets on both sides of the curtain on the nearest truss.
- The swedge of the rail should extend past the J-Bracket toward the curtain –
 - Approximately 23" if the trusses are spaced every 4'.
 - Approximately 35" if the trusses are spaced every 5'.
- Place a double swedged rail piece in the J-brackets on the opposite side of the Divider Curtain. Do not secure it in place until the Divider Curtain Bridge is placed and secured.
- Place the bridge on the rail (swedged ends) spanning the space beneath the curtain.
- Allow approximately 3/4" from the end of the bridge to the shoulder of the swedge on both ends of the bridge.
- The end of the bridge with the long, angled slot.
 - Drill a 21/64" hole through the swedge 1" from the end of the rail.
 - Put the 5/16 x 1-3/4" bolt through this hole.
 - 2 fender washers (one on each side of the rail)
 - Nylon locknut
 - Tighten to restrict rail movement during rail installation.
 - After installation of rail is complete, loosen the locknut to allow movement.
- The end with the strait slot
 - Drill a 21/64" hole through the swedge in the middle of the slot.
 - Put a 5/16 x 1-3/4" bolt through the hole with flange nut.
 - Tighten to restrict rail movement during rail installation.
 - After rail installation is complete, replace bolt with 5/16 D-pin.



Lowering the Divider Curtain

- Remove the D-pin from the Divider Curtain Bridge.
- Lift the unpinned end from the rail swedge.
- Pull the Divider Curtain Bridge so that the bolted end moves to the opposite end of the slot.
- Let the bridge hang on the rail.
- Pin an End Stop in place.
- Lower the curtain.



Raising the Divider Curtain

- Raise the curtain.
- Remove the End Stop
- Place the unconnected end of the Divider Curtain Bridge onto the rail.
- Pin into place with the D-Pin

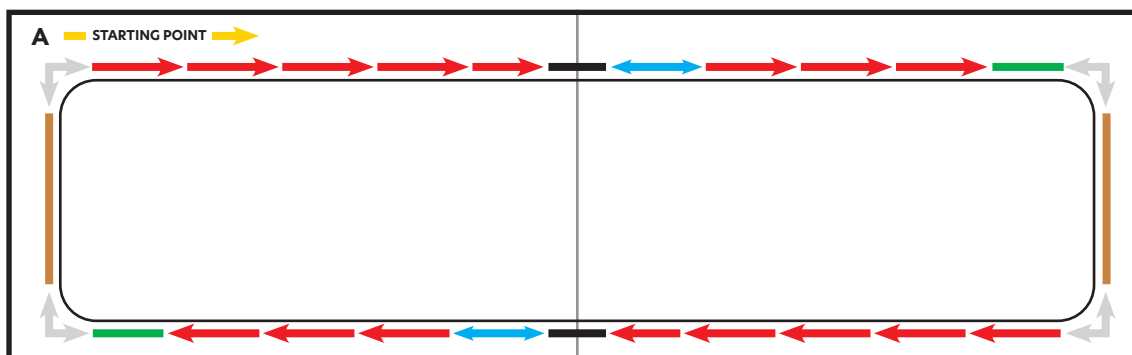
INSTALLATION GUIDE

(These instructions show a loop system rail. For a single rail system, follow these instructions for only one side of the house.)

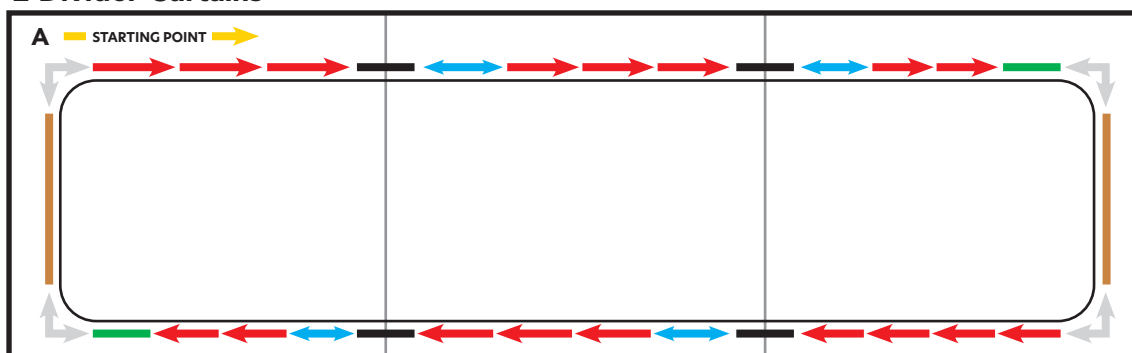
Drawing Key

-  Corner rail piece with both ends swagged (arrow represents swagged end).
-  Straight rail piece with no ends swagged.
-  Straight rail piece with one end swagged (arrow represents swagged end).
-  Bridge for under divider curtains.
-  Straight rail piece with both ends swagged.
-  Loop end bridge

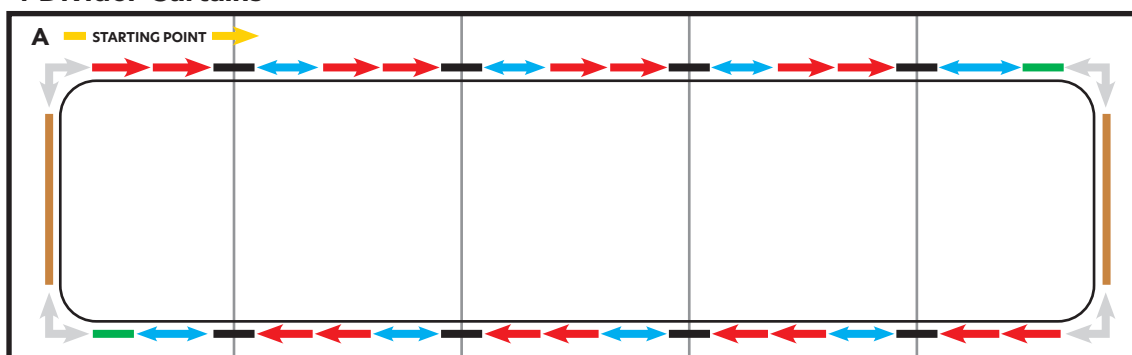
1 Divider Curtain



2 Divider Curtains

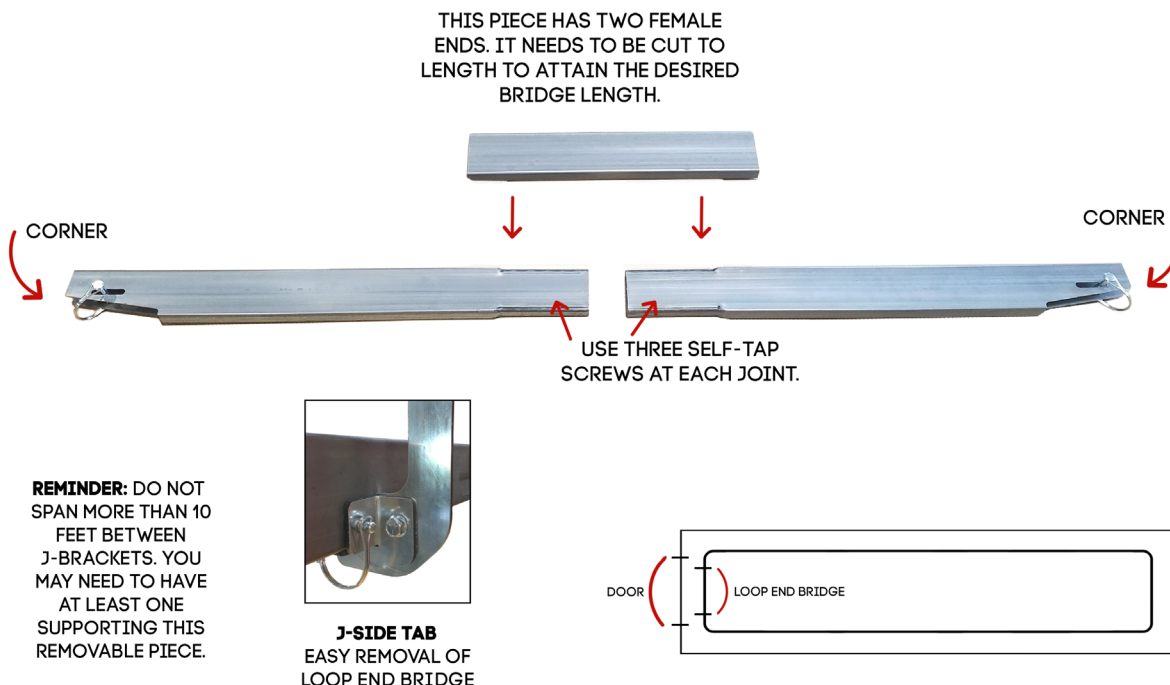


4 Divider Curtains



Loop End Bridge

Create removable section of rail for use at the end of a loop rail system, allowing larger equipment to enter the poultry house. (See diagram at bottom of page)



Rail Hinge

Raise the end of the rail out of the way of the catch crew.



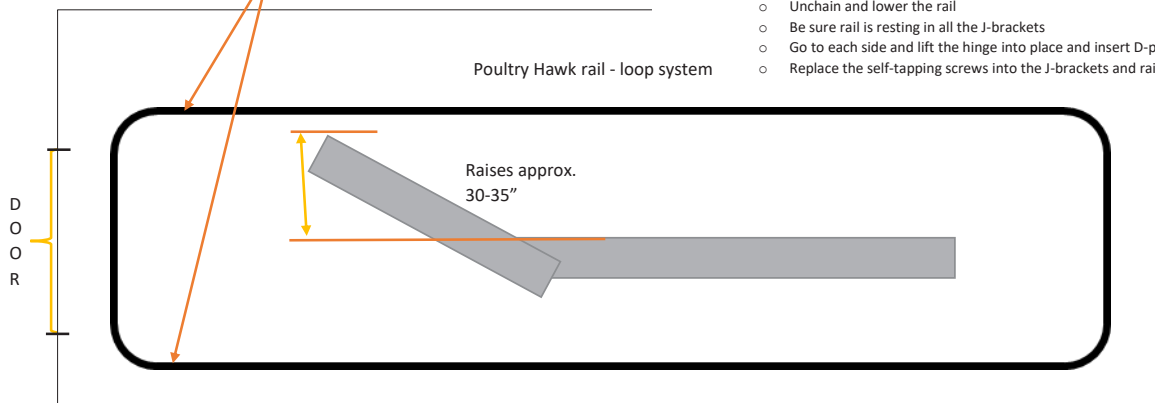
The rail hinge gets connected to the corner, between the corner and the rail running with the poultry house. In existing rail systems, the first rail piece will need to be cut to accommodate the hinge piece.

Preparing to raise the rail.

- Remove pins (D-pin) on both sides of the loop.
- Remove self-tapping screws from any J-brackets the corners or end piece rest in.
- Lift the end piece toward the ceiling
- Use chain to secure to ceiling.
- **Attention:**
 - Eyebolt and chain are not provided by Innovative Poultry Products.
 - Eyebolt and chain are installed prior to raising the end to the ceiling
 - Eyebolt should be installed in the truss directly above the rail

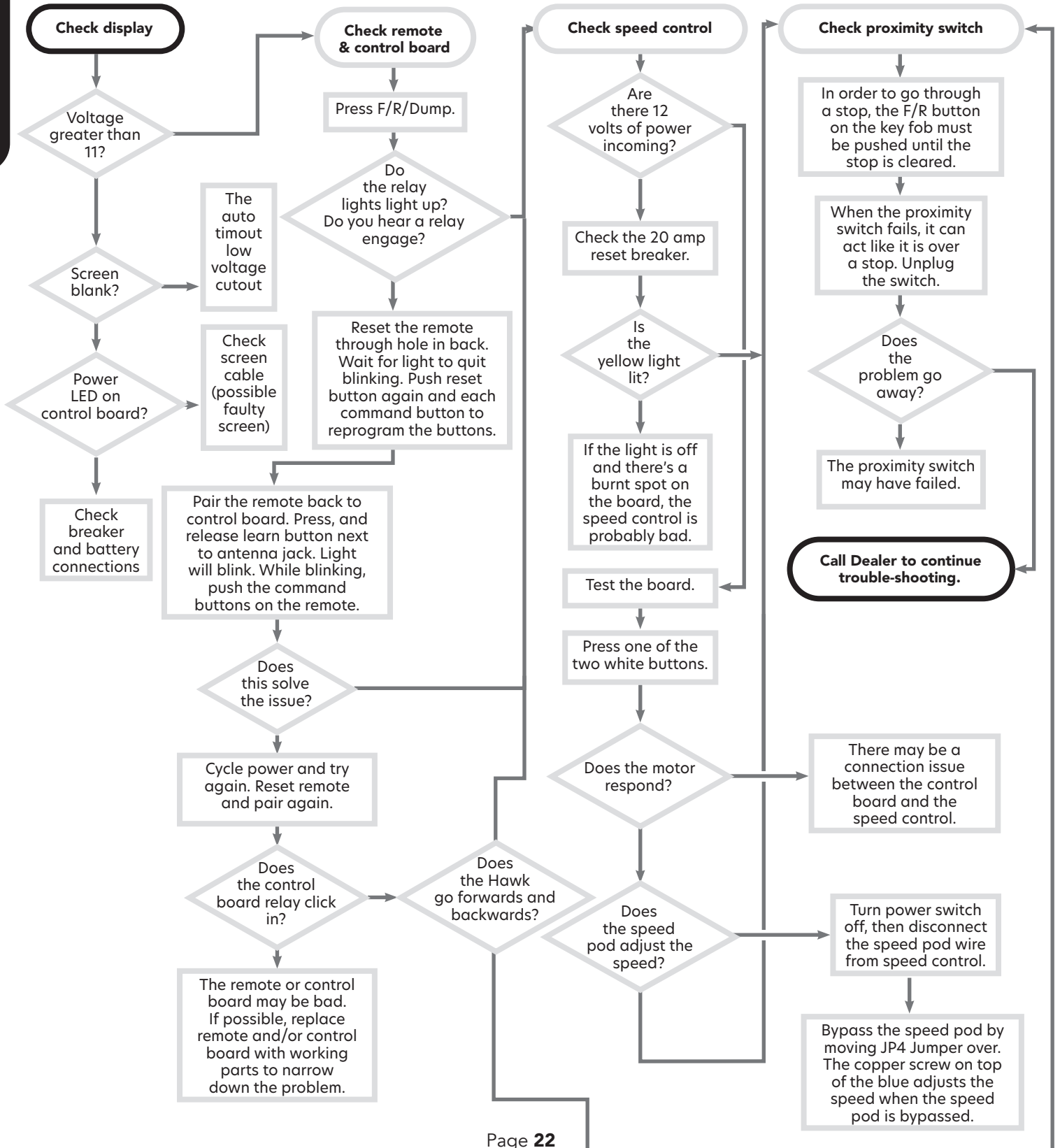
Returning the rail to useable position

- Unchain and lower the rail
- Be sure rail is resting in all the J-brackets
- Go to each side and lift the hinge into place and insert D-pins
- Replace the self-tapping screws into the J-brackets and rail

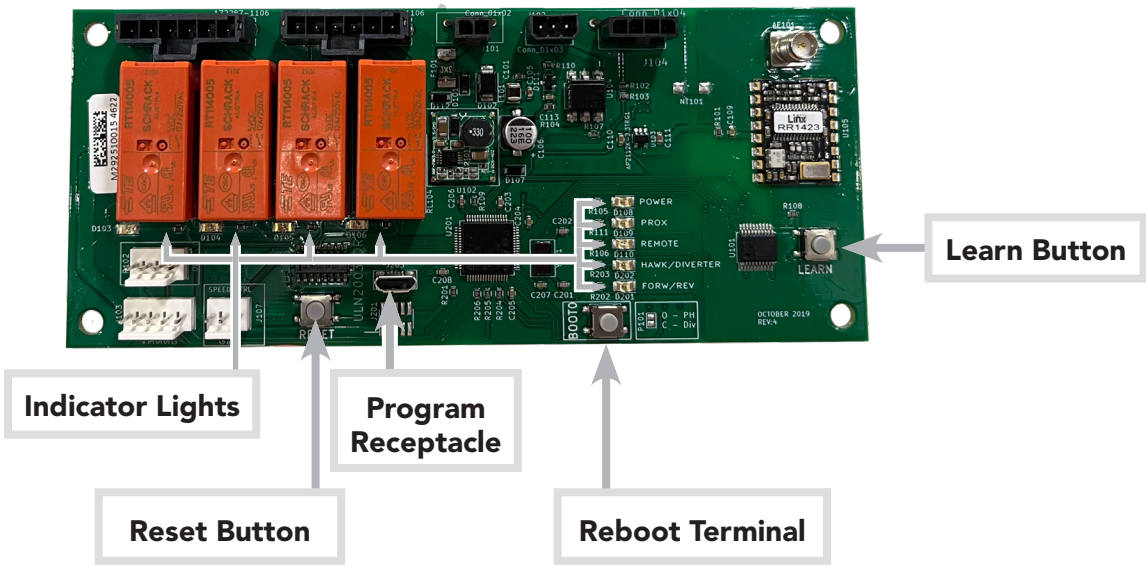


Troubleshooting Guide

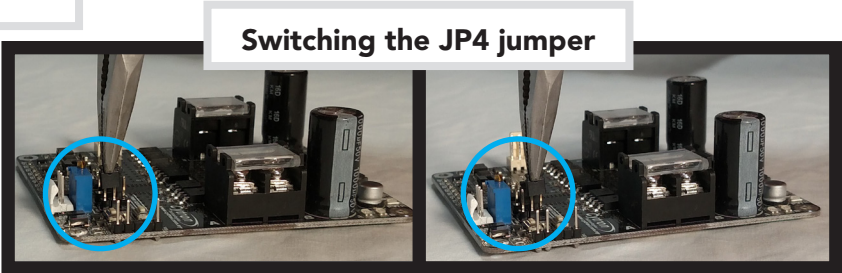
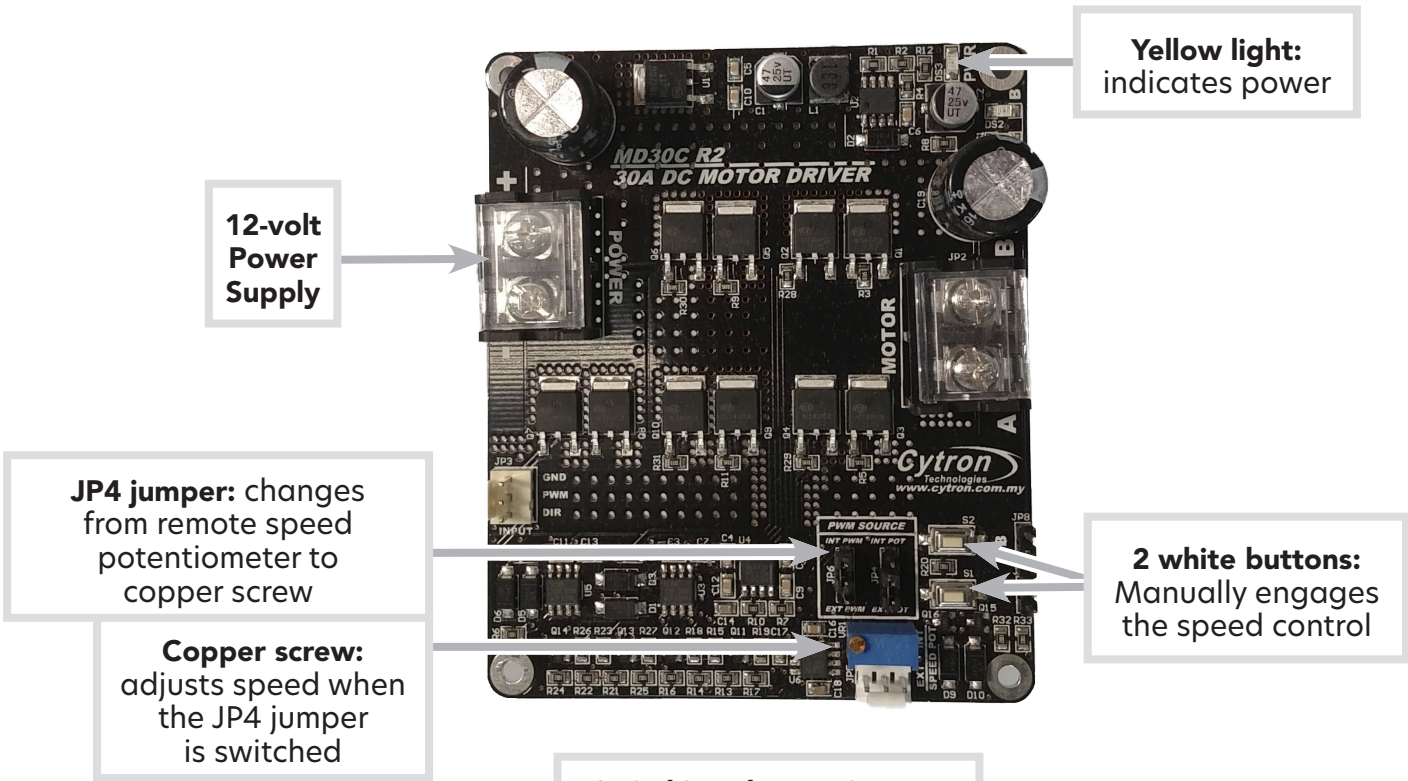
TROUBLESHOOTING FLOWCHART



CONTROL BOARD



SPEED CONTROL



PROGRAMMING THE KEY FOB

1. Canceling the Key Fob.
 - a. Find the pin hole on the back of the key fob. Using a small wire or something similar, **gently** push the button in this hole once to cancel the key fob.
 - b. Wait until the blue light of the key fob quits blinking.
2. Programming the Key Fob.
 - a. **Gently** push the button on the back of the Key Fob a second time.
 - b. While blue light is blinking, push all the control buttons of the key fob.
3. Synchronizing the Key Fob with the control box.
 - a. Open the control box.
 - b. Press the learn button next to the receiver chip that is located next to the antenna. A red light should begin blinking.
 - c. While the red-light blinks, push all the control buttons of the key fob.
 - d. Wait until the red light stops blinking.
 - e. The key fob is now programmed.

TROUBLESHOOTING A KEY FOB

1. Begin by working through the steps listed above for programming a key fob
2. If this does not solve the issue, bring another key fob, and program it with the troubled Hawk.
3. If the Hawk now works correctly, the 1st remote is not working
4. Begin by replacing the battery in the remote that is not working.
5. If the trouble persists then call your local dealer.

Warranty Coverage

Warranty Coverage Innovative Poultry Products LLC hereby provides a Limited One (1) Year Warranty on the Products manufactured by Innovative Poultry Products LLC that such Products shall be free from manufacturer's defects in any of the Product's components in the 12-month period following the original date of purchase from the authorized dealer (the Warranty Period). Innovative Poultry Products LLC HEREBY EXCLUDES AND DISCLAIMS ANY AND ALL OTHER WARRANTIES, STATUTORY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE AND ANY WARRANTY ARISING FROM USAGE OR TRADE OR COURSE OF DEALING. Defective components will be repaired or replaced at the discretion of the manufacturer. It is the responsibility of the purchaser to return warranted components to the manufacturer. This Product Warranty is limited to INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. This Product Warranty covers the purchaser of this Product and any other owners who own it during the Warranty Period.

To retain the Product Warranty, the Product must be operated and maintained as set forth by its owner's manual. For warranty service, please have copy of the purchase invoice available.

Warranty is Void If:

1. The Product has been subjected to, in the opinion of Innovative Poultry Products LLC, negligent handling, misuse, an accident, or if the instructions in the owner's manual were not completely followed.
2. The Product's components have been altered in any manner, not installed per the manufacturer's instructions, or repairs have taken place with unapproved parts.

Getting Warranty Service

All Product Warranty claims must be made through an authorized Innovative Poultry Products LLC dealer. All warranty claims must be submitted with an invoice or proof of purchase that denotes the purchase date and place of purchase. If you have any questions or comments concerning this warranty, please contact Innovative Poultry Products LLC or an authorized Innovative Poultry Products LLC dealer.

CONTACT INFORMATION

Innovative Poultry Products LLC | 2882 Juniper Creek Rd. | Olar, SC 29843
www.innovativepoultryproducts.com | sales@innovativepoultryproducts.com | 803.571.3345

Warranty Procedure

1. Fill out Warranty Claim Form. (This form is provided for copying on the next page or can be found under the support tab of the Innovative Poultry Products LLC website.)
2. Return the defective part along with the Warranty Claim Form.
3. Innovative Poultry Products LLC will send a replacement part as soon as the defective part is received and is deemed worthy of warranty coverage.
4. If the customer needs the new part sooner than the above steps allow:
 - a. Innovative Poultry Products LLC will send the part according to the dealer's instructions and invoice the dealer.
 - b. The "defective" part is to be sent to Innovative Poultry Products LLC along with a Warranty Claim Form.
 - c. Innovative Poultry Products LLC will assess the part. If it is defective, a credit will be issued to the dealer.
 - d. If the part is not defective, the dealer is expected to pay the invoice within 30 days of receiving the invoice.
 - e. Innovative Poultry Products must receive the "defective" part within 21 days after the invoice is sent to gain credit.



Warranty Claim Form

Innovative Poultry Products, LLC

2882 Juniper Creek Rd.,

Olar, SC 29843

803.571.3345

sales@innovativepoultryproducts.com

Dealer Name: _____

Address: _____

Phone #: _____

Today's Date: _____

Part Number/Name: _____

List the Serial number of the Poultry Hawk this part came from: _____

(the serial number is on a metal plate attached to the Poultry Hawk Main Tube near one of the wheels)

PO or Job Name the part came from: _____

Description of Problem:

(For office use only:)

IPP Service Technician comments:

V3.0