

# Installation Manual

***Model 665***

***100 & 110 Gallon Preservative Applicator Upgrade***



*Equipment and Products  
for Quality Hay.™*

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## Introduction

Thank you for purchasing a Harvest Tec Model 665 Hay Preservative Applicator. This 665 applicator system has been designed to be operated through an Apple iPad (not included) using the Hay App. As well as the option to plug directly into most tractors that have an ISOBUS Monitor. The 665 Applicator System offers these advantages by operating through an Apple iPad:

1. Large bright, clear, colorful display
2. More durable and can be read in bright sunlight
3. Can be used for multiple other uses than just the applicator display
4. Option to tie-into the tractor ISOBUS system

The 665 Hay Preservative Applicator System is designed to apply buffered propionic acid to the forage crop as it is baled and will adjust the rate of application based on moisture and tonnage of the crop being harvested. The model 696 base kit includes: tank, frame, pumps, hose, and the Dual Channel Processor (DCP). This manual will take you through the steps for installing the applicator. If you are unsure about installing the system after consulting this manual, contact your local authorized dealership for additional assistance. If you are in need of parts for the system please see the parts breakdown in the back of this manual and contact your local authorized dealer to order the parts. This applicator is designed to apply Harvest Tec buffered propionic acid.

Right and Left sides are determined by facing in the direction of forward travel.

**\*Made for iPad® (3<sup>rd</sup> through Pro 2<sup>nd</sup> generation), running the current iOS operating system or one version previous required for iPad option**

\*iPad is a trademark of Apple Inc., registered in the U.S. and other countries.

**\*\*600 Series Applicators with serial number before DCP27000 will require the DCP to be sent to Harvest Tec for a required update in order to use the iPad Integration Module (030-6672C).**

\*Hay App version must be **at least 2.7.1 (or higher)** to operate with the iPad Integration Module

*If choosing to operate the unit though the ISOBUS monitor, pn 006-6670A will need to be ordered through your local equipment dealer. 2018 Krone balers (and beyond) Serial Number 976909 will need pn 006-6650VAK.*

### Attention:

For kits on 2010 Krone HDP balers and newer Krone part number 20 073 194 0 must be ordered to mount the star wheels.

Please see attached supplemental manual for further instructions.

### Installation Kit Reference Chart

| BALER MAKE                    | MODEL                      | INSTALL KIT |
|-------------------------------|----------------------------|-------------|
| <b>AGCO</b><br><b>Hesston</b> | 4750 – 4755                | 030-4490B   |
|                               | 4760                       | 030-4494B   |
|                               | 4790                       | 030-4492B   |
|                               | 4900 – 4910                | 030-4491B   |
|                               | 4760 roto-cutter           | 030-4500B   |
|                               | 4790 roto-cutter           | 030-4501B   |
|                               | 7430                       | 030-4494B   |
|                               | 7430 roto-cutter           | 030-4500B   |
| <b>Case IH</b>                | 8570 – 8575                | 030-4490B   |
|                               | 8585                       | 030-4492B   |
|                               | 8580 - 8590                | 030-4491B   |
|                               | LBX331 – 332 STD or packer | 030-4495B   |

|                            |                                  |           |
|----------------------------|----------------------------------|-----------|
|                            | LBX431 – 432 STD or packer       | 030-4495B |
|                            | LBX331 – 332 roto-cutter         | 030-4497B |
|                            | LBX431 – 432 roto-cutter         | 030-4497B |
|                            | LB333 – 433 STD or packer        | 030-4495B |
|                            | LB333 – 433 roto-cutter          | 030-4497B |
|                            | LB 433 STD or packer (2011-2012) | 030-4528B |
|                            | LB 433 roto-cuter (2011-2012)    | 030-4529B |
| <b>Challenger</b>          | LB33                             | 030-4494B |
|                            | LB34                             | 030-4492B |
|                            | LB44                             | 030-4491B |
| <b>Claas</b>               | 2200/1200/3200/3400              | 030-4499B |
|                            | 2100                             | 030-4509B |
|                            | 3300                             | 030-4537B |
| <b>Krone</b>               | VFS 88                           | 030-4498B |
|                            | VFS 88 cutter                    | 030-4495B |
|                            | VFS 128                          | 030-4498B |
|                            | VFS 128 cutter                   | 030-4495B |
|                            | 890-12130 XC                     | 030-4514B |
|                            | 890-12130                        | 030-4515B |
|                            | BP 4x4, BP 4x4 HS                | 030-4539B |
|                            | 890 XC High Speed                | 030-4540B |
|                            | 1270,1290, 1290HDP, 4x4 XC HS    | 030-4541B |
| <b>Kuhn</b>                | LSB 870 – 890                    | 030-4510B |
|                            | LSB 1270 – 1290                  | 030-4511B |
|                            | Omni-cut                         | 030-4525B |
| <b>Massey<br/>Ferguson</b> | 2050                             | 030-4494B |
|                            | 2050 roto-cutter                 | 030-4500B |
| <b>New Idea</b>            | 7233                             | 030-4490B |
|                            | 7234                             | 030-4492B |
|                            | 7244                             | 030-4491B |
|                            | 7333                             | 030-4494B |
| <b>New Holland</b>         | 590-BB9080 STD or packer         | 030-4495B |
|                            | BB940-BB9080 roto-cutter         | 030-4497B |
|                            | BB9080 STD or packer (2011-2012) | 030-4528B |
|                            | BB9080 roto-cutter (2011-2012)   | 030-4529B |
| <b>Taarup</b>              | 6570 – 6570 OC                   | 030-4510B |
|                            | 6670 – 6690 OC                   | 030-4511B |
| <b>Vermeer</b>             | SQ2731                           | 030-4438B |
|                            | SQ3347                           | 030-4439B |
| <b>Vicon</b>               | LB 8200                          | 030-4510B |
|                            | LB 12200                         | 030-4511B |

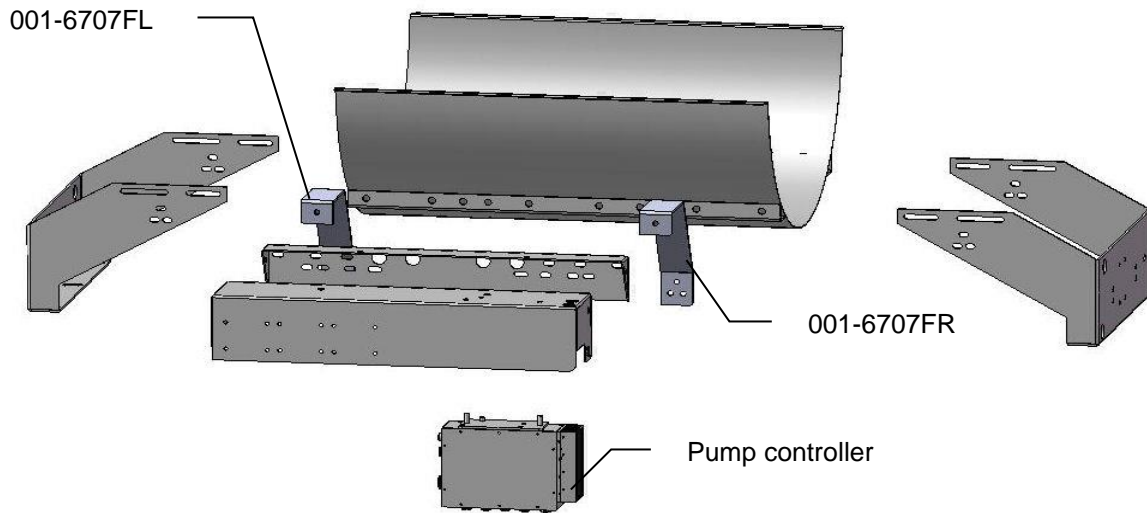
#### Tools Needed:

- Standard wrench set
- Electric drill and bits
- Side cutter
- Crescent wrench
- Standard screwdriver
- Center punch
- Standard nut driver set
- Standard socket set
- Hammer
- Metal cutting tools
- Hose cutter

## Installation of Applicator

### Installation of Pump Manifold

Hesston, New Idea, Challenger, and Case 8570, 8575, 8580, 8585, 8590 Balers:



#### For 3 X 3 balers only

Locate parts bag 2. Install both saddle legs (001-6707C) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" Bolts, locks and flat washers. Note: the slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the outside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten bolts until mounted on the baler
2. Locate parts bag 6. Mount the pump plate support legs (001-6707FL & 001-6707FR) to the saddle legs using six 3/8" x 1" bolts, locks, flats, and nuts. Note: this will be the side that is opposite of the "V" notch that is in the sump cut out of the saddle
3. Attach the pump plate mounting bracket (001-4646C) to the pump plate support legs with two 3/8" x 1-1/4" bolts, locks, flats, and nuts.
4. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts

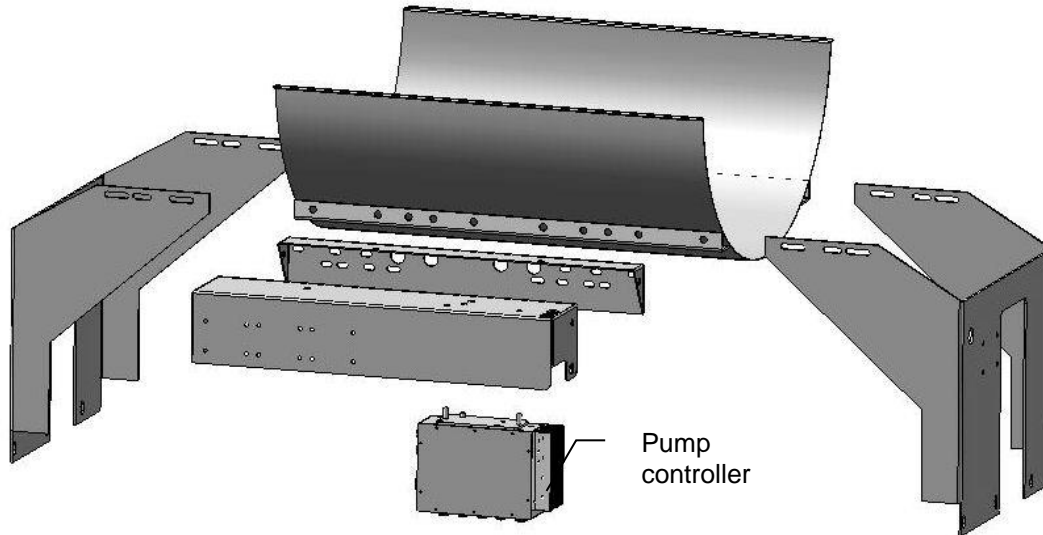
#### For 3 X 4 and 4 x 4 balers only

Locate parts bag 2. Install both saddle legs (001-6707C) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" Bolts, locks and flat washers. Note: the slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the outside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until mounted on the baler.
2. Locate parts bag 6. Mount the pump plate support legs (001-6707FL & 001-6707FR) to the saddle legs using six 3/8" x 1" bolts, locks, flats, and nuts. Note: this will be the side that is opposite of the "V" notch that is in the sump cut out of the saddle
3. Attach the pump plate mounting bracket (001-4646C) to the pump plate support legs with two 3/8" x 1-1/4" bolts, locks, flats, and nuts.
4. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts

**The Pump Controller and pump heads must be pointing down. Failure to mount the pump plate assembly in this specified direction will void all warranty of the Pump Controller and pumps.**

## Case IH & New Holland



### For 3 X 3 balers only

Locate parts bag 2. Install both saddle legs (001-6707BL & 001-6707BR) onto the saddle (001-6707A) with six 3/8" x 1-1/4" bolts, locks and flat washers. The mounting slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Connect the pump plate mounting bracket (001-4646C) to the side of the saddle that has the wider profile to the legs. Using two 3/8" x 1-1/4" bolts, lock & flat washers.
3. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts

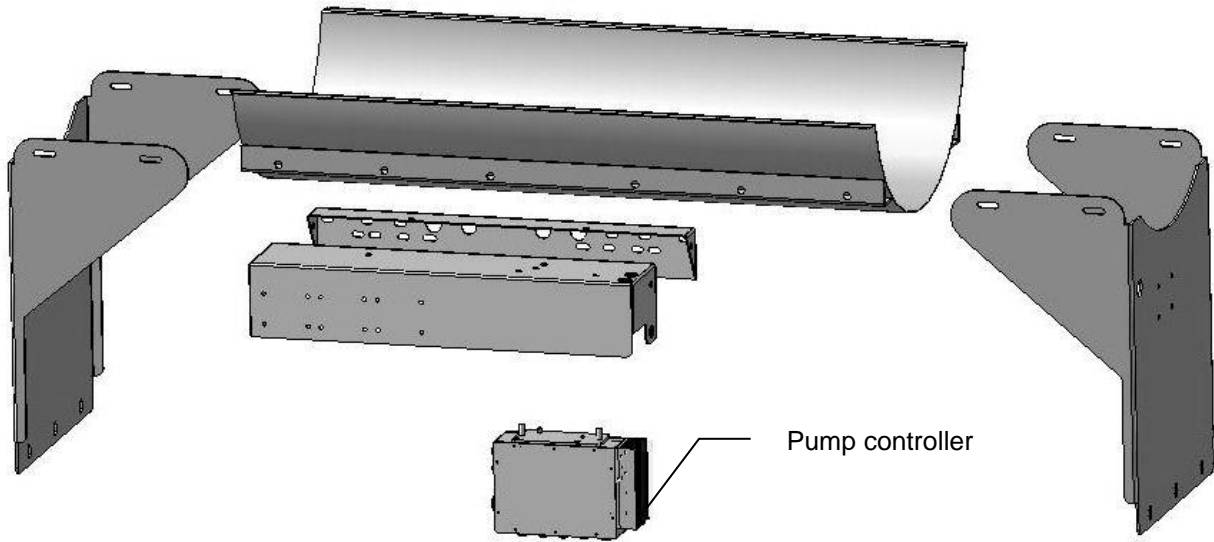
### For 3 X 4 balers only

Install both saddle legs (001-6707DL & 001-6707DR) onto the saddle (001-6707A) with six 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Connect the pump plate mounting bracket (001-4646C) to the side of the saddle that has the wider profile to the legs. Using two 3/8" x 1-1/4" bolts, lock & flat washers.
3. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts

**The Pump Controller and pump heads must be pointing down. Failure to mount the pump plate assembly in this specified direction will void all warranty of the Pump Controller and pumps.**

## Claas, John Deere 100, Vermeer, and Krone Balers



### For 3 X 3 balers only

Locate parts bag 3. Install both saddle legs (001-6706V) onto the saddle (001-6706A) with six 3/8" x 1-1/4" bolts, locks and flat washers. The mounting slots in the legs will attach to the second and third weld nuts in from each end, of the saddle, on both sides

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Connect the pump plate mounting bracket (001-4646C) to the saddle. Using two 3/8" x 1-1/4" bolts, lock & flat washers. Note: this will be the side that is opposite of the "V" notch that is in the sump cut out of the saddle.
3. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts.

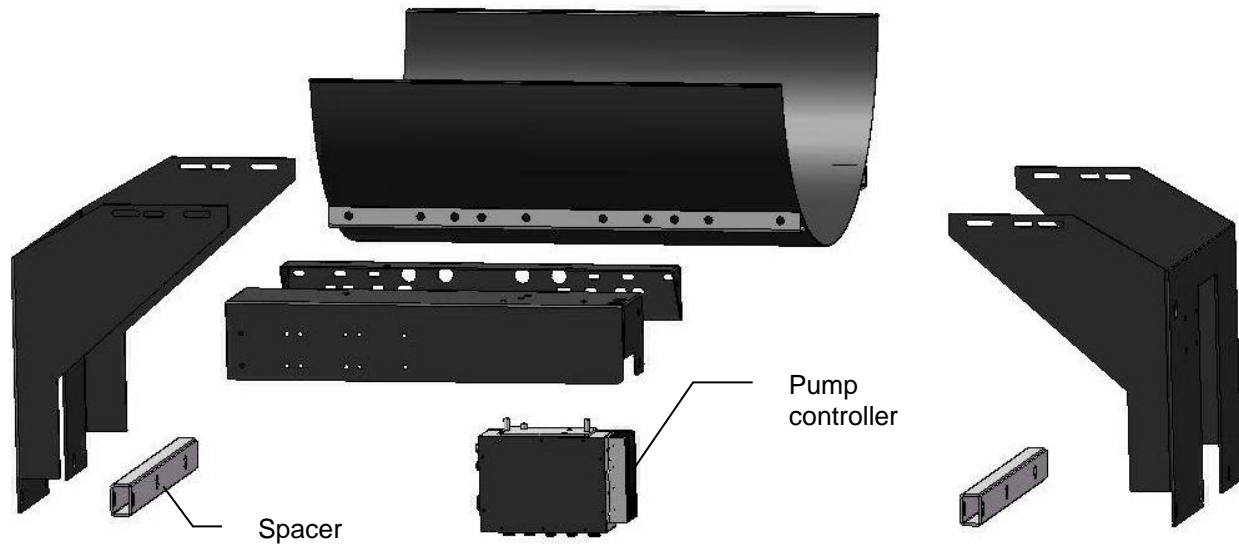
### For 3 X 4 and 4 x 4 balers only

Locate parts bag 3. Install both saddle legs (001-6706V) onto the saddle (001-6706A) with six 3/8" x 1-1/4" bolts, locks and flat washers. The mounting slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler.
2. Connect the pump plate mounting bracket (001-4646C) to the saddle. Using two 3/8" x 1-1/4" bolts, lock & flat washers. Note: this will be the side that is opposite of the "V" notch that is in the sump cut out of the saddle. Expect for Krone (see pg. 16)
3. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts.

**The Pump Controller and pump heads must be pointing down. Failure to mount the pump plate assembly in this specified direction will void all warranty of the Pump Controller and pumps.**

## Kuhn, Vicon & Taarup Balers



### For 3 X 3 balers only

Locate parts bag 4. Install both saddle legs (001-6707BL & 001-6707BR) onto the saddle (001-6707A) with six 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. The spacers (001-6707BS) will be needed between the saddle legs and frame of the baler. Do not fully tighten down bolts until unit is mounted on the baler.
2. Connect the pump plate mounting bracket (001-4646C) to the side of the saddle that has the wider profile to the legs. Using two 3/8" x 1-1/4" bolts, lock & flat washers.
3. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts.

### For 3 X 4 balers only

Locate parts bag 4. Install both saddle legs (001-6707BL & 001-6707BR) onto the saddle (001-6707A) with six 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. The spacers (001-6707BS) will be needed between the saddle legs and frame of the baler. Do not fully tighten down bolts until unit is mounted on the baler.
2. Connect the pump plate mounting bracket (001-4646C) to the side of the saddle that has the wider profile to the legs. Using two 3/8" x 1-1/4" bolts, lock & flat washers.
3. Attach the pump plate holder (001-4646D) to the pump plate mounting bracket (001-4646C) using four 3/8" x 3/4" flange head bolts

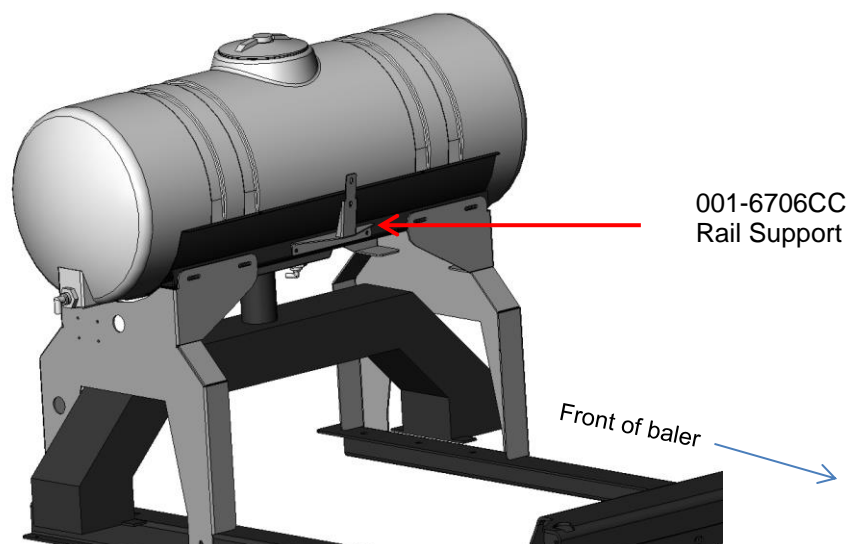
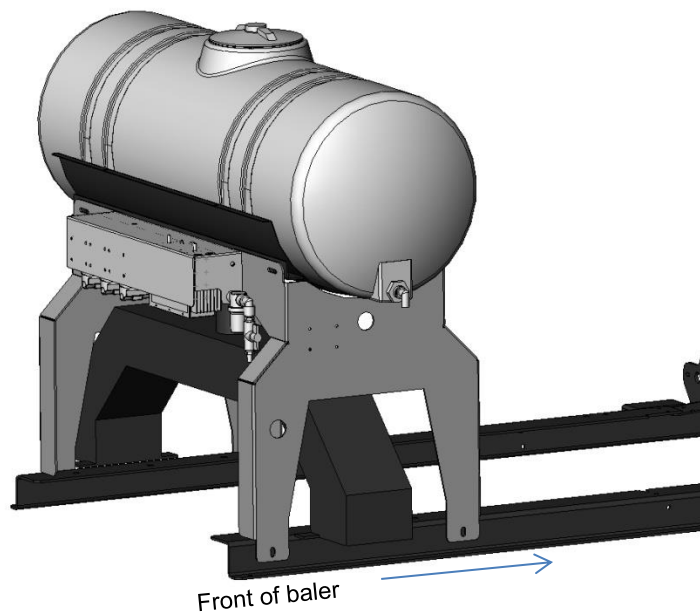
**The Pump Controller and pump heads must be pointing down. Failure to mount the pump plate assembly in this specified direction will void all warranty of the Pump Controller and pumps.**

## Claas 3200-3400 Large Square Balers

**Tank Mounting** – Prior to the installation of the tank assembly on the baler, the factory hand rail support that connects the hand rail to the rear tension beam must be removed. The hardware used to mount the support to the railing is reused when securing the handrail.

Fasten the legs (001-6706C) to the saddle (001-6706A) using 3/8" x 1-1/4" hex bolts (x8), 3/8" lock washers, and 3/8" flat washers. The inside distance of the legs should be approximately 48" (1.2M) Note that the tank fitting on the side of the tank should be towards that right side of the baler, opposite the ladder. Install the supplied rail support (001-6706CC) to the front side of the tank saddle using 3/8"x1-1/4" hex bolts (x2), 3/8" lock washers, and 3/8" flat washers.

Lift the tank assembly into place so it straddles the rear tension beam on top of the baler, near the end of the bale chamber. The tank legs should rest on the top corners of the bale chamber. Slide the tank as far forward as possible. With the tank slid as far forward as possible, attach the hand rail to the rail support (001-6706CC) using the factory hardware. Clamp the legs to the sides of the bale chamber and drill two 9/16" (14mm) diameter holes per leg on each side of the bale chamber. Secure the legs to the chamber with (x4) 1/2" x 1-1/2" allen head bolts, 1/2" flat washer, 1/2" lock washer, and 1/2" hex nut. At this time, the hardware securing the legs to the saddle can be loosened and adjusted. Mount the pump plate to the rear of the tank assembly.



## Installation of Dual Channel Processor (DCP)

Follow the instructions below to mount the Dual Channel Processor (DCP) onto your specific baler model and type. The locations shown are the right twine box (looking at the back of the baler). Mark and drill the four 3/8" holes and install DCP with two 5/16" x 1" bolts, two 5/16" x 1-1/4" bolts, locks, fender washers and hex nuts. If your baler is not listed below mount the DCP on the back of the twine box on the right side. Mount the DCP cover over the top of the tip and secure with the hardware using the 5/16" x 1-1/4" bolts on the top with the DCP shield.

John Deere L330 / L340 Baler DCP location on the back of the right twine box will vary slightly depending on placement of safety decals from factory. Do not cover safety decals. Mount DCP on the back of right hand twine box using Figure 2 as a reference. DCP location is recommended 5" (12.5cm) from inside edge and 5" (12.5cm) from top of twine box.

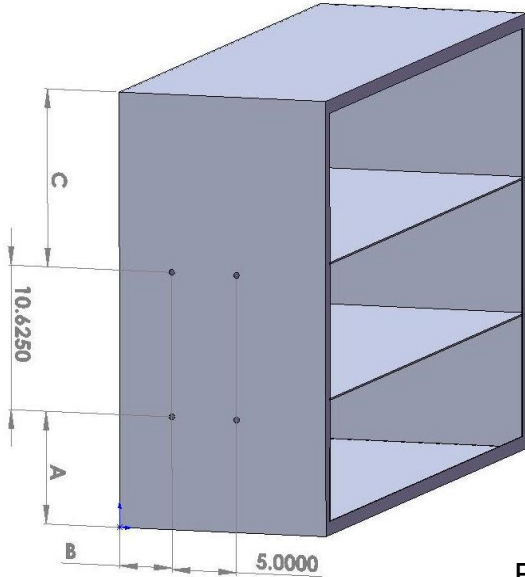


Figure 1



Figure 2

| Baler Type          | Model                    | Fig. | A          | B           | C         | Baler Type      | Model                           | Fig. | A          | B           | C         |
|---------------------|--------------------------|------|------------|-------------|-----------|-----------------|---------------------------------|------|------------|-------------|-----------|
| Case IH             | LBX 331-431              | 1    | 4" (10cm)  | 2" (51mm)   | N/A       | Hesston         | 4750 – 4755                     | 1    | 16" (40cm) | 2" (51mm)   | N/A       |
| Case IH             | LBX 332-432 & LB 333-433 | 1    | N/A"       | 2" (51mm)   | 2" (51mm) | Hesston         | 4760                            | 1    | 2" (51mm)  | 2" (51mm)   | N/A       |
| Challenger          | LB 33                    | 1    | 2" (51mm)  | 2" (51mm)   | N/A       | Hesston         | 4790                            | 1    | 4" (10cm)  | 2.5" (64mm) | N/A       |
| Challenger          | LB34                     | 1    | 4" (10cm)  | 2.5" (64mm) | N/A       | Hesston         | 4800 – 4910                     | 1    | 16" (40cm) | 2" (51mm)   | N/A       |
| Challenger          | LB44                     | 1    | 16" (40cm) | 2" (51mm)   | N/A       | John Deere      | 100                             | 1    | 18" (45cm) | 6.5" (16cm) | N/A       |
| Claas               | 2100                     | 1    | 4" (10cm)  | 2" (51mm)   | N/A       | Krone           | 890 – 12130                     | 1    | 3" (70mm)  | 4" (10cm)   | N/A       |
| Claas               | 3300                     | 1    | 4" (10cm)  | 2" (51mm)   | N/A       | Massey Ferguson | 2050                            | 1    | 2" (51mm)  | 2" (51mm)   | N/A       |
|                     |                          |      |            |             |           | New Holland     | 590 – BB940                     | 1    | 4" (10cm)  | 2" (51mm)   | N/A       |
| Kuhn, Viccon Taarup | all                      | 1    | 4" (10cm)  | 4" (10cm)   | N/A       | New Holland     | BB940A – 960A & BB9060 – BB9080 | 1    | N/A        | 2" (51mm)   | 2" (51mm) |



## **Installation of Tank and Star Wheel Moisture Sensors**

Use the drawing located in the back of this manual as a guide for cutting a notch and locating the mounting holes for the star wheels. Carefully mark the location of the star wheel holes using the template and a center punch so the star wheels will run true to the direction of the bales, otherwise, the star wheels may work themselves out of the block, damaging the sensor itself or the bale rate sensors.

The star wheels must be mounted so that they are no closer than 3/8" (10mm) from any metal parts of the baler and come in contact only with the bale. 5/16" Allen headed bolts will be used to mount the star wheel block and twine guard to the baler. The bolts must be inserted from the inside of the baler chamber. Use nuts and lock washers to hold the bolts in place before putting on the star wheel block, the block is counter-bored on one side so the block will fit over the nuts.

The star wheel block has a plug on one side and a wire grommet on the other side. If there are interference problems with the star wheel wires on one side of the block, exchange the wire grommet with the plug so the wire can exit the block on the other side. Mount the twine guards using the two inner holes on the star wheel block. The twine guard containing the bale rate sensors should be placed on the baler's right side, when looking from the back of the baler.

\*Claas Quadrant 3200 – 3400 balers will mount star wheels on side of bale chamber.  
Refer to page 19 for instructions.

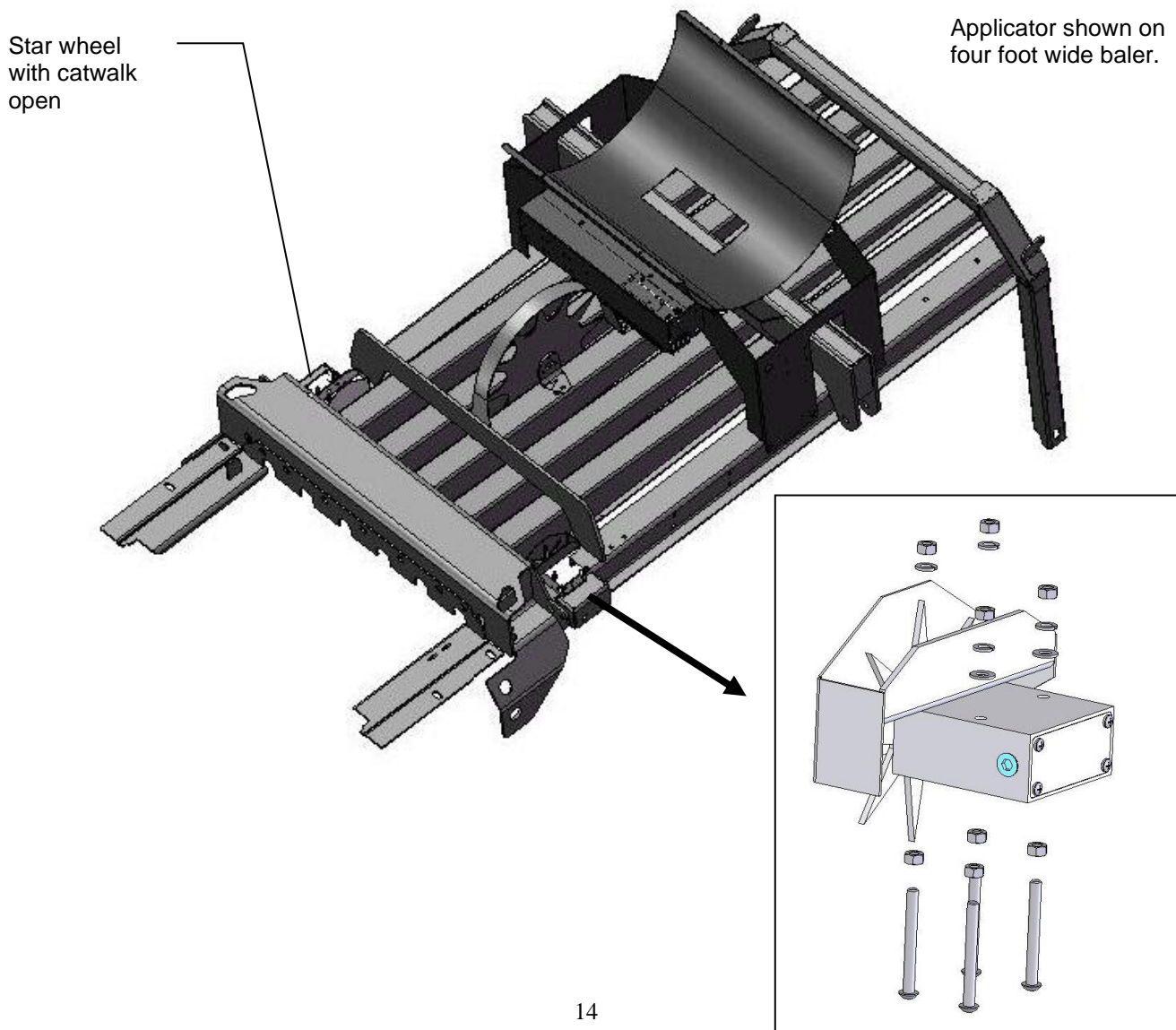
**The following pages will contain detailed instructions for your baler. Please refer to the table of contents for you exact listing.**

## New Holland 590 through BB9080 and Case IH LBX331 through LB433 Balers

**Tank Mounting**-Locate parts bag A & 2. Mount the tank legs and saddle on the baler as shown below. The tank legs bolt to the baler with six 1/2" x 1-3/4" carriage bolts, lock & flat washers, and hex nuts. Depending on the baler model, 9/16" (14mm) holes (3 per side) may need to be drilled in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Star Wheel Mounting**-Use the template located in the back of the manual as a guide for cutting the notch and mounting holes for the star wheels. The star wheels are to be mounted on top of the baler, just behind the knotters and under the walkway on both sides. Remove the bale from the chute, tip the walkway up and locate the wheels on the top outside corner angles of the bale chute, one on each side. Some balers may already have the notch cut and square holes. If so, the holes will need to be drilled round with a 5/16" drill bit. A 1/2" x 1/2" cut may also need to be made at the base of the twine arm mounting bracket for the star wheel to sit correctly on the bale chamber. Mark the location of the notch 5/8" wide and 9" long (16mm x 23cm) and the location of the four 5/16" (8mm) holes for the star wheel base. After cutting the notch and drilling the hole, insert the 5/16" x 3" x black allen head bolts up through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the twine guards using the two inner holes of the star wheel block. The twine guard containing the bale rate sensors will be placed on the right side. See Step 8 for directions on how to hook-up the star wheel wires.



**Case IH 8570, 8575, and 8585, Challenger LB33, LB34, and Hesston 7430, 4750, 4755, 4760, and 4790, and Massey Ferguson 2050, and New Idea 7233, 7333, 7234 Balers**

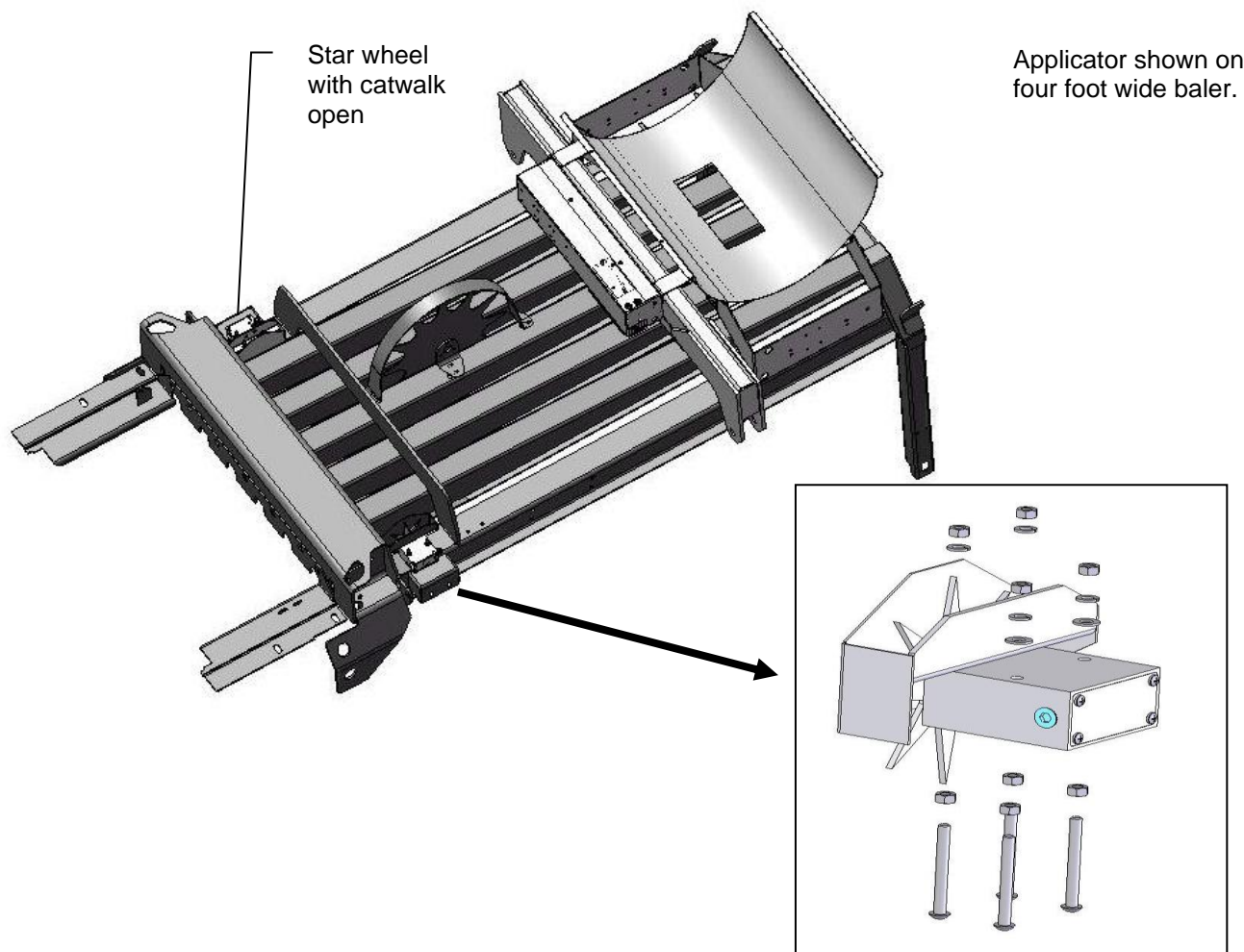
**Tank Mounting-** Locate parts bag A & 2. Mount the tank legs and saddle on the baler as shown below, centered between the compression arm and the crossbeam. The tank legs bolt to the baler with six 1/2" x 1-3/4" carriage bolts, locks & flat washers and hex nuts. Depending on the baler model, 9/16" holes (3 per side) may need to be drilled in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Star Wheel Mounting –** The star wheels are mounted under the walkway on top of the baler behind the knotters. Remove the bale from the chute and tip the walkway up. Locate the star wheel template on the outside corner angles of the bale chute on the left and right side of the baler. The center of the wheel shaft will be approximately 5-1/2" (13cm) in front of the walkway support or about halfway between the walkway support and the cross frame almost directly in front of it. The notch will start just in front of the walkway support.

Two parts of the baler frame will have to be trimmed off on both sides to mount each star wheel. The first is the outside corner angles of the chute. Use the template to mark the location of the star wheel notch as well as the location of the four holes for the star wheel base. The notch will be 5/8" by 9" (16mm x 23cm) long and will help keep the wheel away from the twine. Spray the ground off areas with touch up paint to prevent rusting. The second portion of the baler to trim off is the end of the gusset that may interfere with the star wheel's plastic base support. Center the star wheel in the slots that was just notched and check for interference with the gusset.

Drill 5/16" (8mm) holes for the star wheel block. Insert the 5/16" x 3" bolts up through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the twine guards using the two inner holes of the star wheel block. **The twine guard containing the bale rate sensors will be placed on the right side of the baler.** See Step 8 for directions on how to hook-up the star wheel wires.



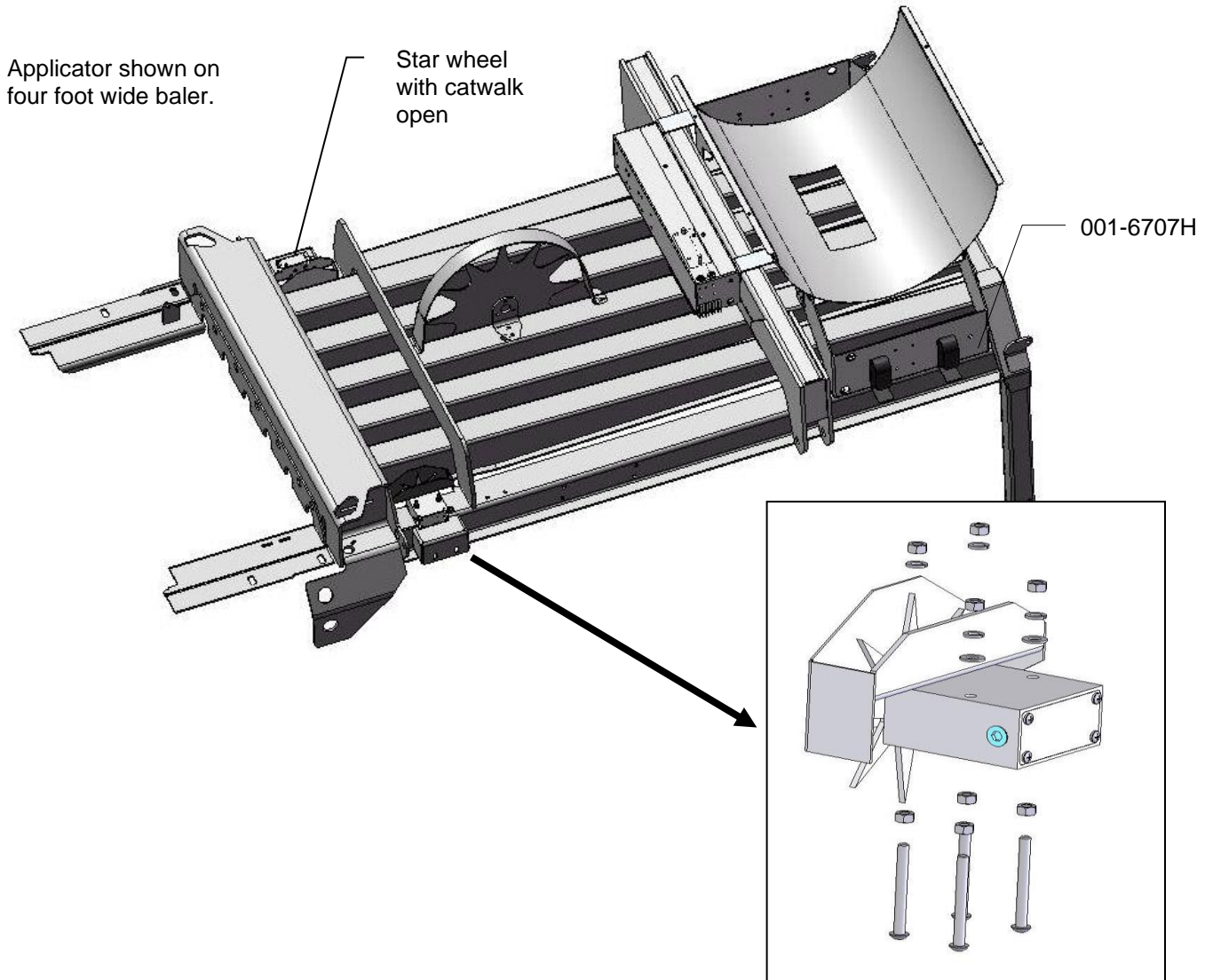
## Case IH 8580 and 8590, Hesston 4900 and 4910, Challenger LB44, and New Idea 7244 Balers

**Tank Mounting** – Locate parts bag A & 2. Mount the tank legs and saddle on the baler as shown below, centered between the compression arm and the crossbeam. The tank legs bolt to the baler with 1-3/4" carriage bolts, flat and lock washers, and hex nuts. Depending on the baler model, 9/16" (14mm) holes (3 per side) may need to be drilled in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler. Bolt the ladder bracket extensions (001-6707H) on the side of the tank legs and attach the balers existing ladder.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Star Wheel Mounting** –The star wheels are mounted on top of the baler, just behind the knotters under the walkway on both sides. Use the template at the back of the manual to mark the location and dimension of the notch and holes. Remove the bale from the chute. Tip the walkway up and locate the wheels on the top outside corner angles of the bale chute, one on each side. The star wheel block is located just in front of the horizontal channels holding the twine boxes. Using the template, mark the location of the notch (5/8" wide and 9" long) and the location of the four 5/16" (8mm) holes for the star wheelbase using a center punch. Any bare metal edge of the angle should be sprayed with touch up paint to prevent corrosion.

Once the above modification to the baler is made on both sides of the chute, the wheels can be mounted. Insert the 5/16" x 3" bolts up through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the twine guards using the two inner holes of the star wheel block. **The twine guard containing the bale rate sensors will be placed on the right side of the baler.** See Step 8 for directions on how to hook-up the star wheel wires.



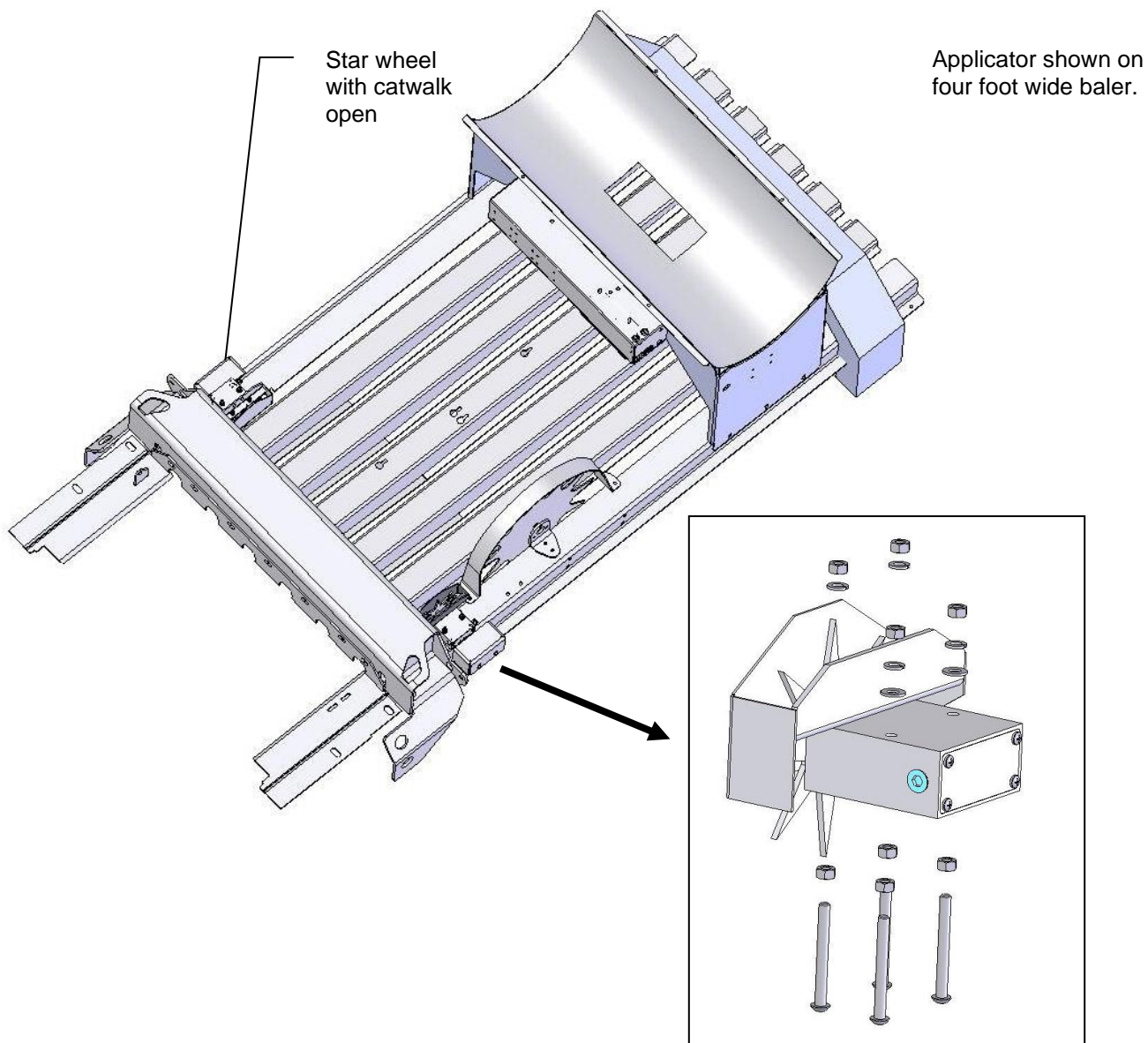


## Vermeer SQ2731 and SQ3347 Balers

**Tank Mounting** – Locate parts bag A & 3. Mount the tank legs and saddle on the baler as shown below. The tank legs bolt to the baler with six 1/2" x 1-3/4" Allen head bolts, lock & flat washers, and hex nuts. You will need to drill 9/16" (14mm) holes (3 per side) in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Star Wheel Mounting** – Locate the steel crossbeam that goes across the bale chamber in between the knotters and shield for the hydraulic cylinder. The yellow shield is located in the middle and runs in the same direction as the bale chamber. Using the provided star wheel template, locate the template as far forward as possible behind the crossbeam. Position the template so the edge of the star wheel base is aligned with the outside of the bale chamber. Mark the hole positions for drilling and also mark the notch for the star wheels. The notch will be 5/8" x 9" long and will help keep the wheel away from the twine. Repeat this process on the other side of the bale chamber for the second star wheel. Insert the 5/16" x 3" bolts up through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the twine guards using the two inner holes of the star wheel block. **The twine guard containing the bale rate sensors will be placed on the right side of the baler.** See Step 8 for directions on how to hook-up the star wheel wires.

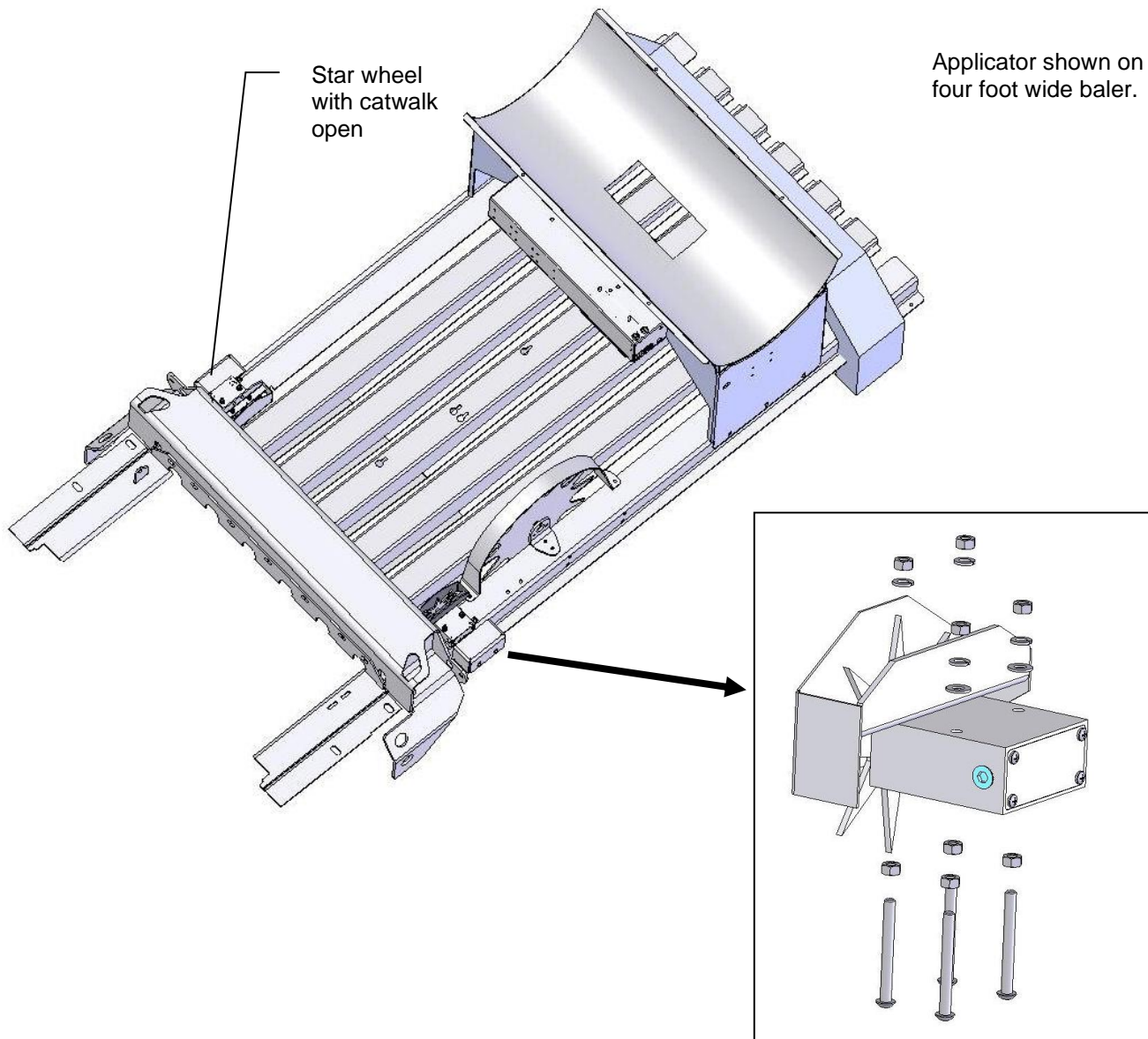


## Claas 2100 and 2200 Balers

**Tank Mounting** – Locate parts bag A & 3. Mount the tank legs and saddle on the baler as shown below. The tank legs bolt to the baler with six 1/2" x 1-3/4" Allen head cap screws, flat & lock washers, and hex nuts. You will need to drill 9/16" holes (3 per side) in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler. Make sure to mount the tank legs as far back as possible to allow room for using the ladder.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Star Wheel Mounting** – Use the template located in the back of the manual as a guide for cutting the notch and mounting holes for the star wheels. The star wheels are to be mounted on top of the baler, just behind the knotters and as far forward as possible. Remove the bale from the chute. Locate the wheels on the top outside corner angles of the bale chute, one on each side. Mark the location of the notch 5/8" wide and 9" long (16mm x 23cm) and the location of the four 5/16" (8mm) holes for the star wheel base. After cutting the notch and drilling the hole, insert the 5/16" x 3" black Allen head bolts up through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the twine guards using the two inner holes of the star wheel block. **The twine guard containing the bale rate sensors will be placed on the right side.** See Step 8 for directions on how to hook-up the star wheel wires.



## Claas 3200-3400 Large Square Balers continued

**Star Wheel Mounting** – Use the picture below as a guide for drilling the mounting holes for the star wheels. The star wheels are to be mounted on the side of the bale chamber, between the top and middle channel. Measure 10" back from the hinge between the top and middle channel. Cut 1" x 9" (25mm x 23cm) slot for the star wheel. Make sure the wheel is square. Mark the location of the two 5/16" holes for the star wheel base. After drilling the holes, insert the 5/16" x 3 1/4" allen head bolts through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the prox sensor holder (001-4644H) on the star wheel located on the right side of the baler. Note: Thicker side of block goes to baler side.





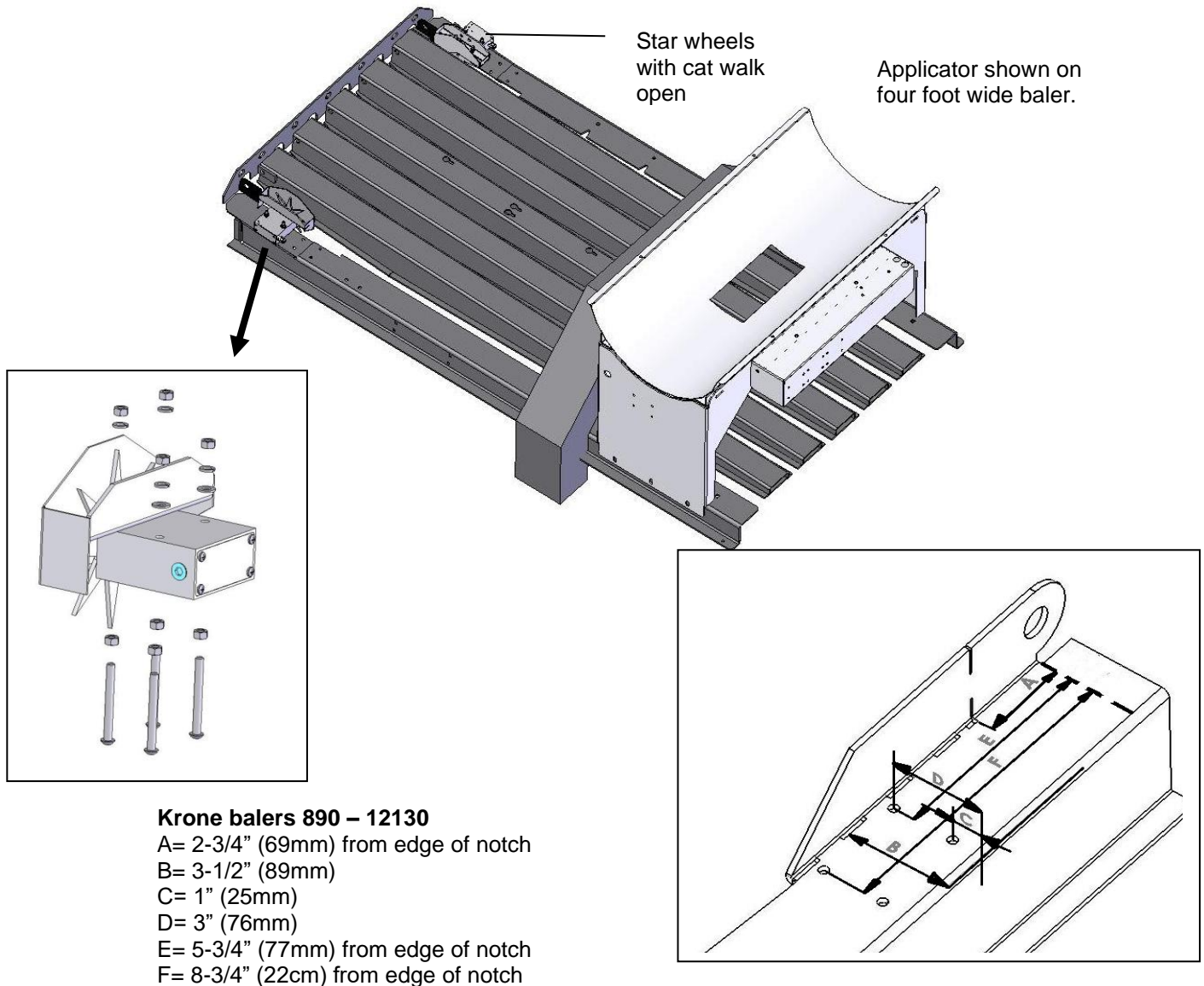
## Krone Large Square

**Tank Mounting** – Locate parts bag A & 3. Mount the tank legs and saddle on the baler as shown below. The tank legs bolt to the baler with six 1/2" x 1-3/4" Allen head cap screws, flat & lock washers, and hex nuts. You will need to drill 9/16" holes (3 per side) in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Star Wheel Mounting-For non-HDP models** remove the bale for the bale chute. The star wheels are to be mounted on top of the baler, just behind the knotters and as far forward as possible. Use the table and diagram below to mark the four bolt hole locations on the bale chamber (C,D,E,F). Use the template in the back of the manual to mark the location of the notch to be cut. When cutting the notch both the vertical brace and the bale chamber will need to be cut. Before cutting verify the notch measurement with the below diagram using marks A & B. After cutting the notch and drilling the holes, insert the 5/16" x 3" black Allen head bolts up through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the twine guards using the two inner holes of the star wheel block. **The twine guard containing the bale rate sensors will be placed on the right side.** See Step 8 for directions on how to hook-up the star wheel wires.

**For 2010 Krone HDP part number 20 073 194 0 must be ordered. This kit will include mounting instructions for the star wheels.**



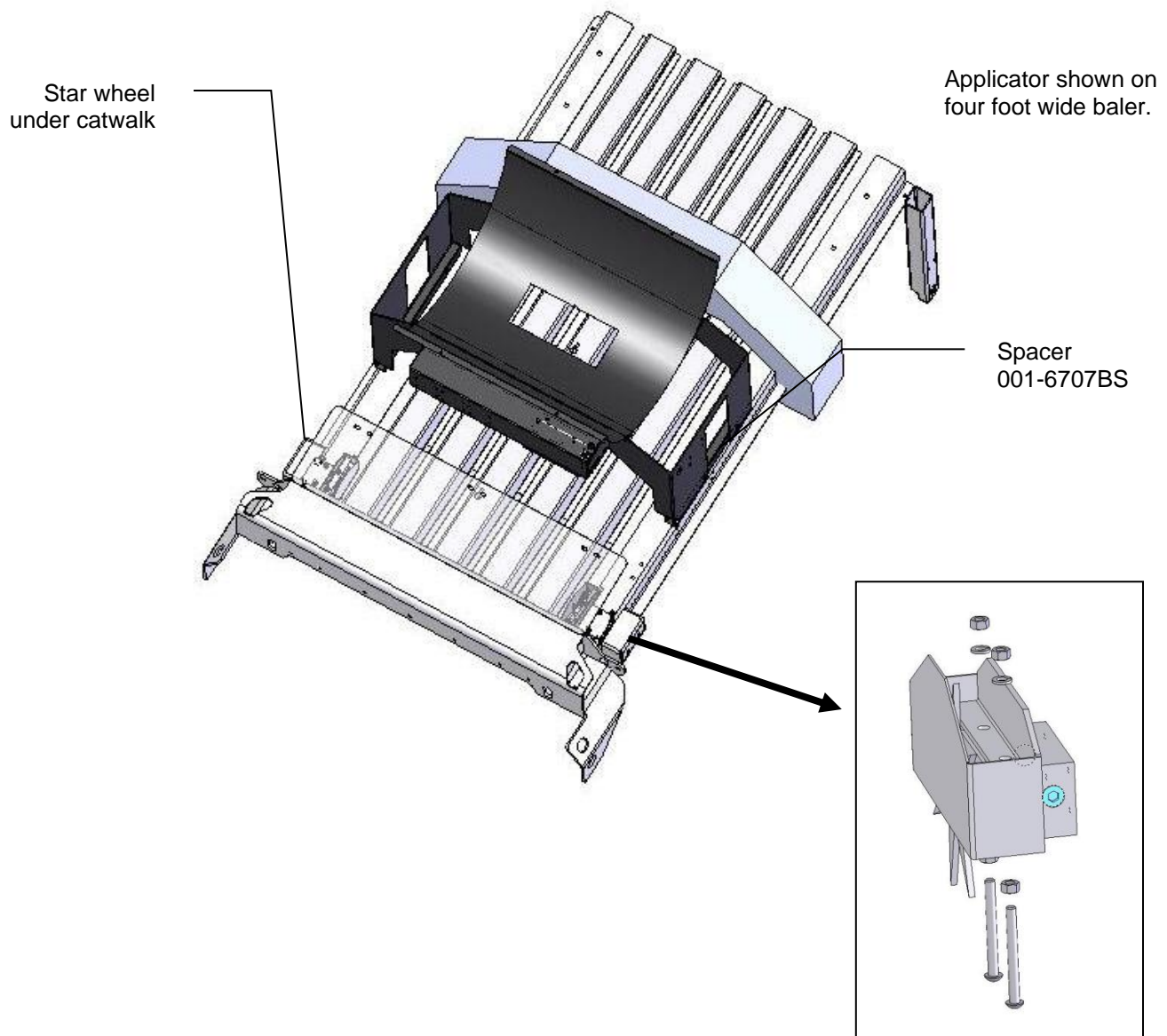


## Kuhn LSB 870 – 1290, Vicor LB 8200 and LB 12200 & Taarup 6570 – 6690 OC

**Tank Mounting** – Locate parts bag B & 4. Mount the tank legs and saddle on the baler as shown below. Insert the two 001-6707BS spacers between the legs and saddle legs. The tank legs bolt to the baler with six 1/2" x 3-1/2" Allen head cap screws, lock & flat washers, and hex nuts. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Star Wheel Mounting**—Use the template in the back of the manual labeled Vicor large square balers for this installation. The star wheels are to be mounted on top of the baler, just behind the knotters and under the walkway on both sides. Remove the bale from the chute, mount the star wheels flush with the back of the walkway with one star wheel on each side. Mark the holes inside the chamber, and drill the two holes per side, for mounting from inside the chamber. Insert the 5/16" x 3" black Allen head bolts up through the chute and use nuts to hold the bolts in place. Place the star wheel block over the nuts and install the twine guards using the two inner holes of the star wheel block **The twine guard containing the bale rate sensors will be placed on the right side.** See Step 8 for directions on how to hook-up the star wheel wires.

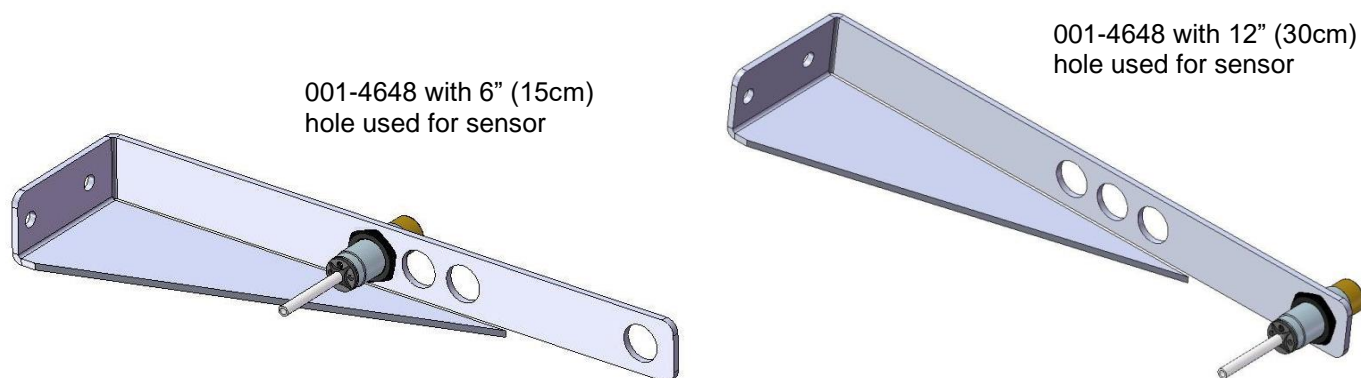


## Installation of End of Bale Sensor

The end of bale sensor determines the position of the needles on the baler. When the needles cycle the sensor communicates this information to the Dual Channel Processor (DCP). This information is used for job records and will be used by the optional Bale Identification System. Follow the steps below for your baler to mount the sensor.

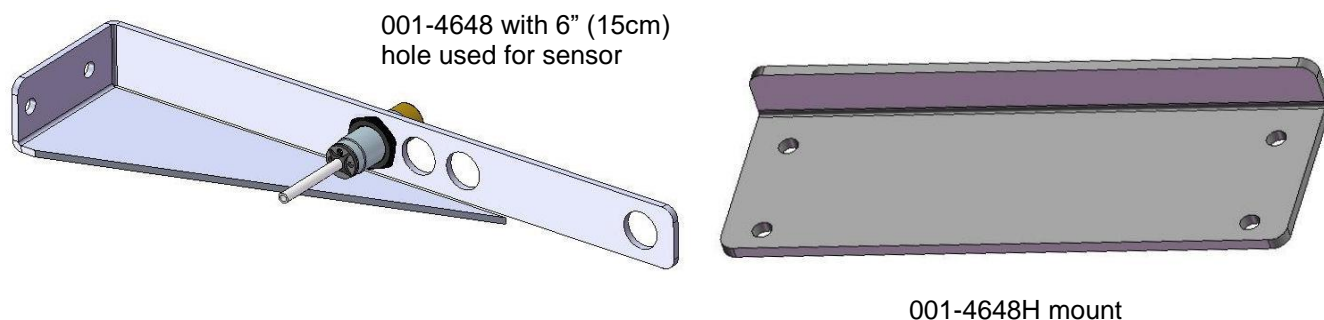
**All AGCO Hesston 4760 – 4790 and equivalents, Case IH LBX 331 – LB 433, Class 2100, John Deere 100, New Holland 590 – BB 9080**

End of bale sensor bracket (001-4648) will be used. Cutoff excess metal not used during installation.



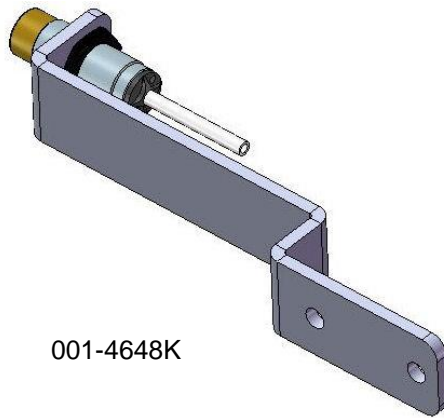
**All Hesston 4750 – 4755 & 4900 – 4910**

End of bale sensor bracket (001-4648) and Hesston end of bale mount (001-4648H) will be used. The Hesston end of bale mount will be found in the installation kit box. Cutoff excess metal not used during installation.

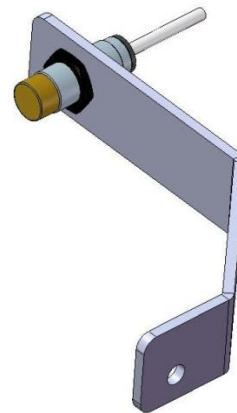


## All Krone 890 – 12130

Krone end of bale sensor bracket (001-4648K or 001-4648K2) be used. The Krone end of bale mount will be found in the installation kit box. The 001-4648K will be used with balers 890 – 1290. The 001-4648K2 will be used with the 12130 baler.



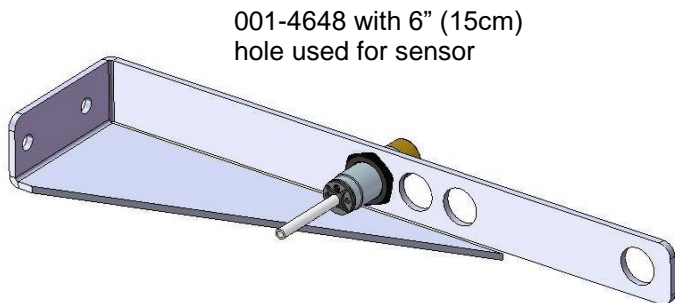
001-4648K



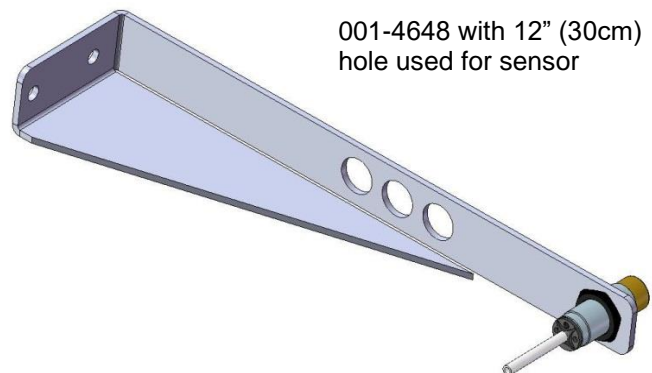
001-4648K2

## All Kuhn, Vicon and Taarup Balers

End of bale sensor bracket (001-4648) will be used. Cutoff excess metal not used during installation.



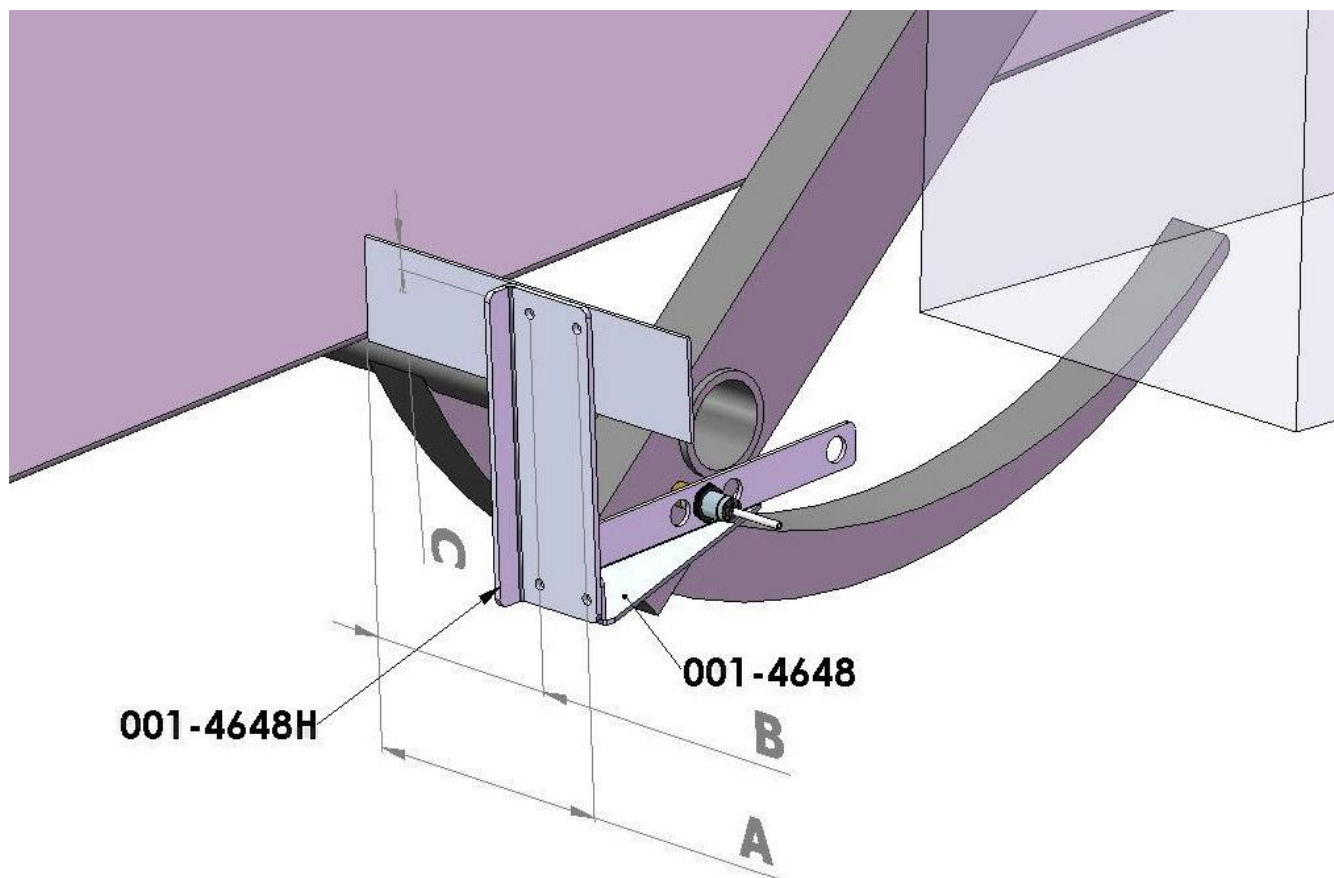
001-4648 with 6" (15cm)  
hole used for sensor



001-4648 with 12" (30cm)  
hole used for sensor

## End of Bale Sensor Installation Diagram

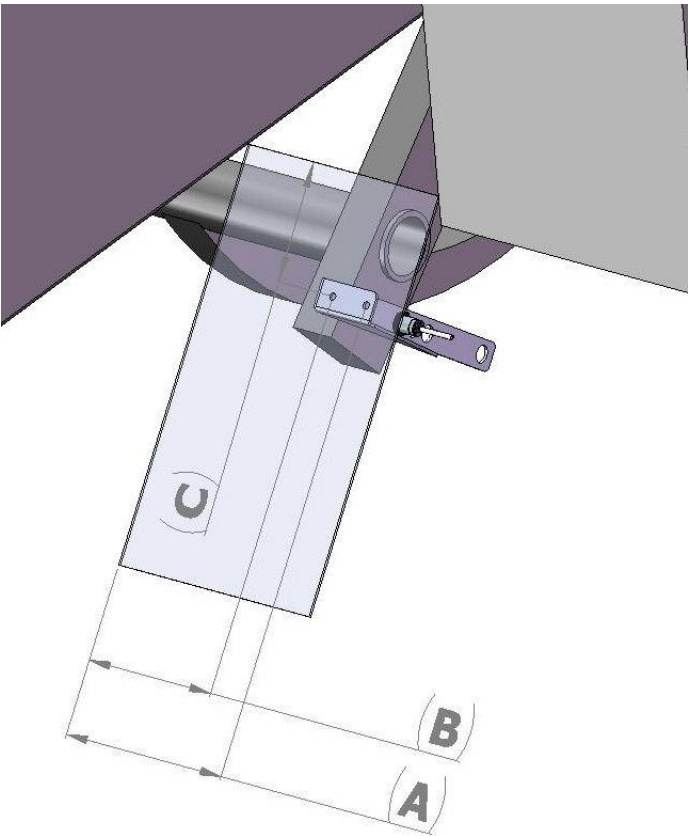
Hesston 4750-4755 & 4900 – 4910



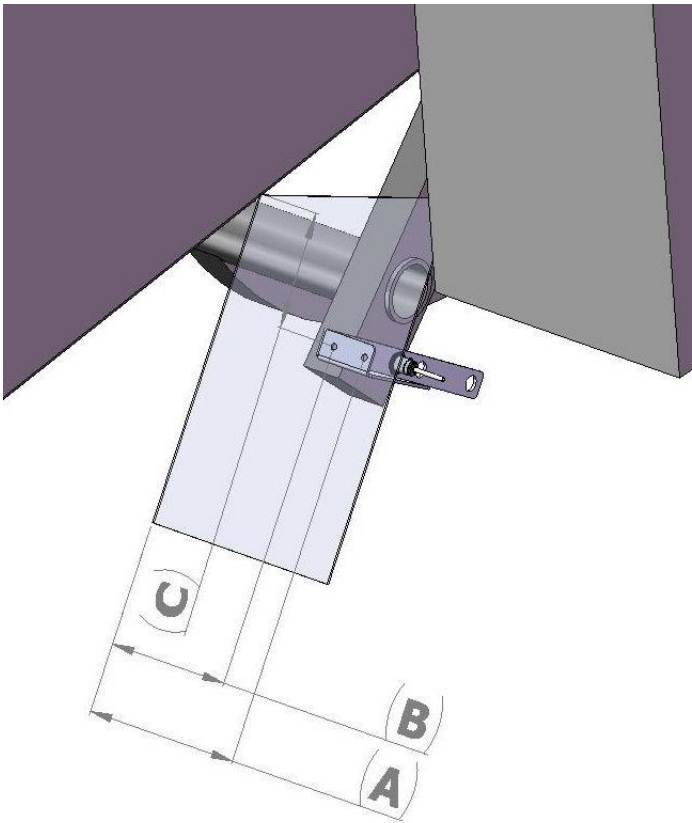
| Sensor hole location | A                | B                | C              |
|----------------------|------------------|------------------|----------------|
| 7" (18cm)            | 7-7/8"<br>(20cm) | 9-5/8"<br>(25cm) | 5/8"<br>(16mm) |

Attach the Hesston end of bale mount (001-4648H) as shown. Attach the end of bale sensor bracket (001-4648) to the Hesston end of bale mount (001-4648H) using two 1/4" x 1" bolts, locks & flat washers and hex nuts. Align the brackets and mark the two 3/8" (10mm) holes to be drilled. Attach the brackets to the baler using two 5/16" x 1 self-tapping screws, and flange nuts. Mount the sensor in the 7" (18cm) hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Cut off excess metal past the sensor. Run the sensor cable up to the Precision Information Processor and secure to the baler.

Hesston 4760 & 4790



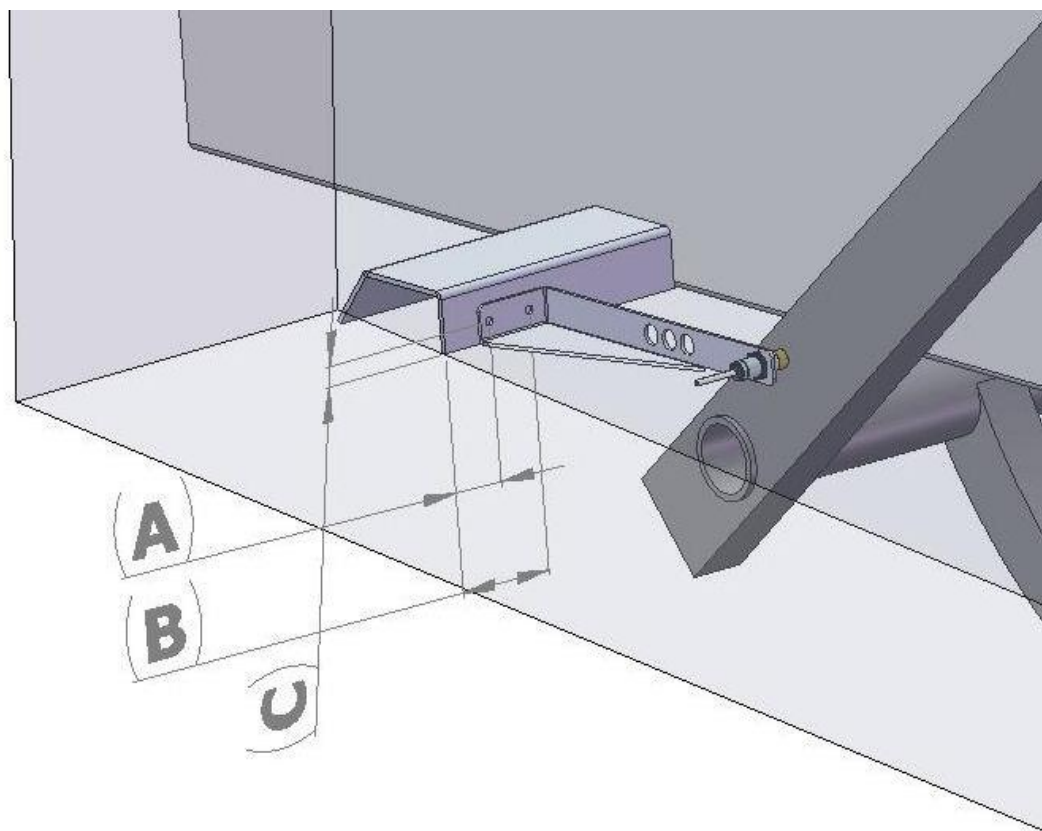
Hesston 4760



Hesston 4790

| Baler | Sensor hole location | A      | B      | C  |
|-------|----------------------|--------|--------|----|
| 4760  | 6"                   | 6-5/8" | 4-7/8" | 4" |
| 4790  | 6"                   | 4-5/8" | 2-7/8" | 3" |

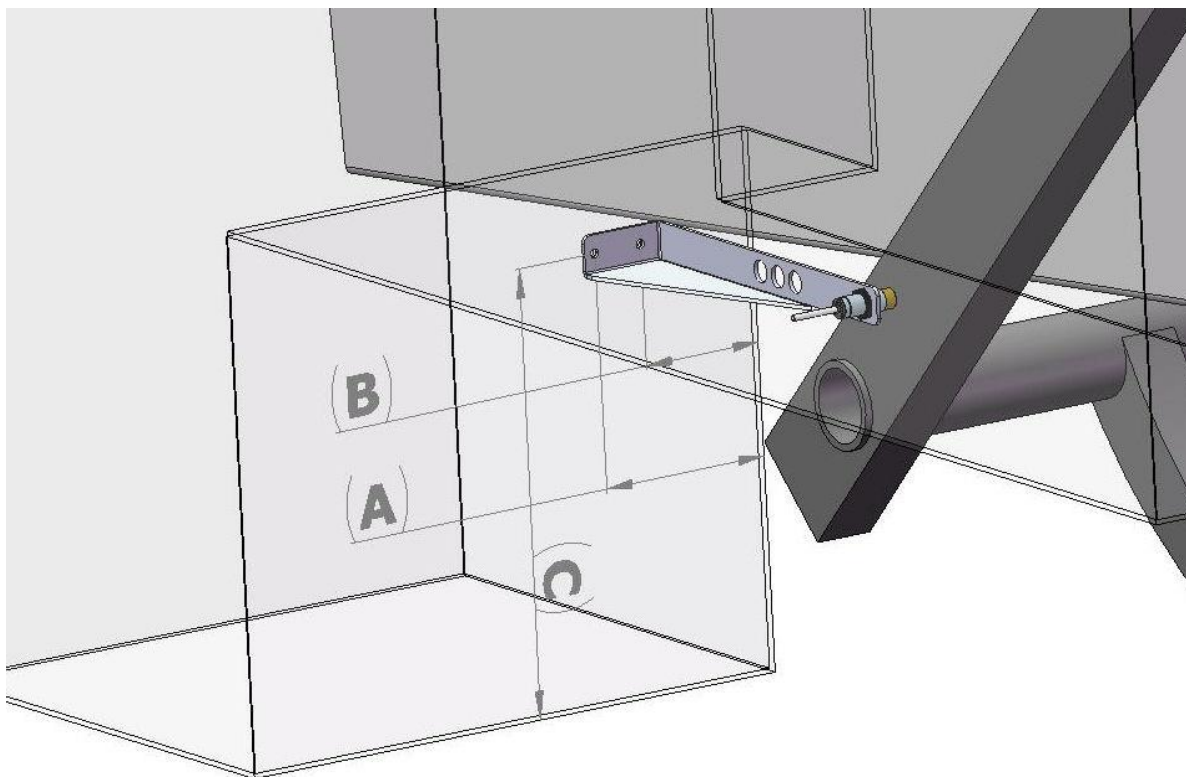
Mount the end of bale sensor bracket (001-4648) as shown. Mark and drill two 3/8" holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor in the 6" (15cm) hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Cut off excess metal past the sensor. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.



| Sensor hole location | A                | B                | C              |
|----------------------|------------------|------------------|----------------|
| 12" (30cm)           | 2-7/9"<br>(76mm) | 4-3/8"<br>(12cm) | 5/8"<br>(16mm) |

Mount the end of bale sensor bracket (001-4648) as shown. Mark and drill two 3/8" holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor in the 12" hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.

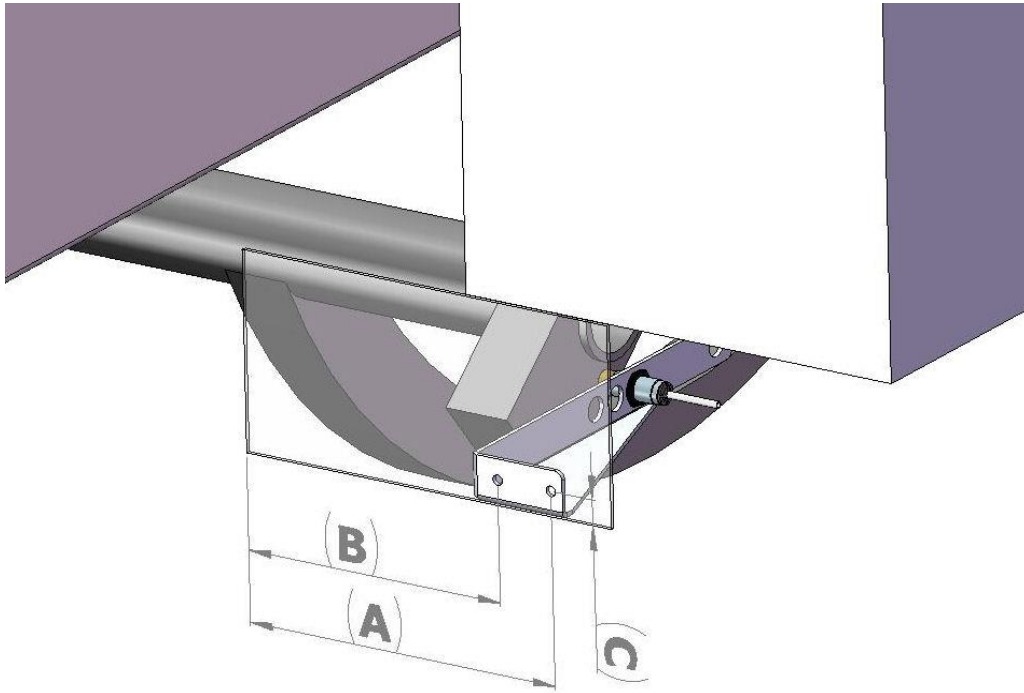




| Sensor hole location | A                | B                | C             |
|----------------------|------------------|------------------|---------------|
| 12" (30cm)           | 6-1/8"<br>(15cm) | 4-3/8"<br>(12cm) | 15"<br>(38cm) |

Mount the end of bale sensor bracket (001-4648) as shown. Mark and drill two 3/8" holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor in the 12" (30cm) hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.

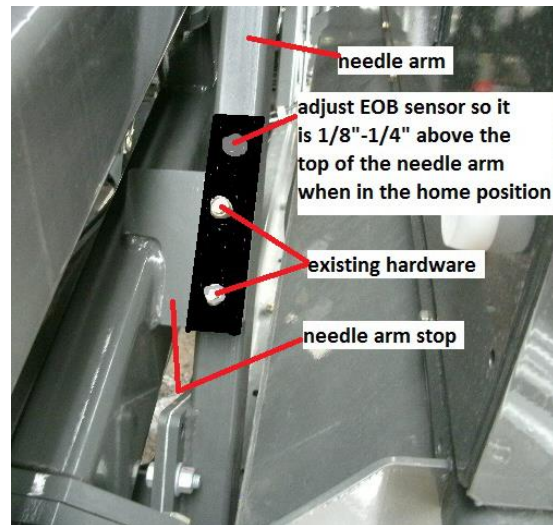
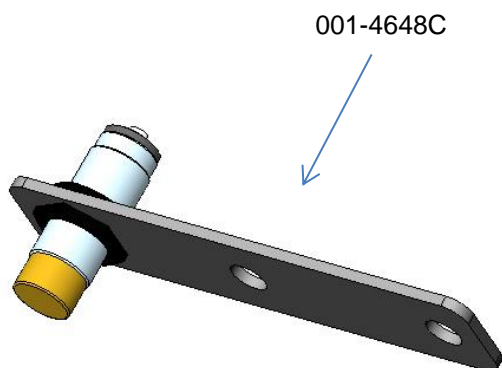
## Claas 2100



| Sensor hole location | A                | B            | C              |
|----------------------|------------------|--------------|----------------|
| 8" (20cm)            | 5-3/4"<br>(13cm) | 4"<br>(10cm) | 5/8"<br>(16mm) |

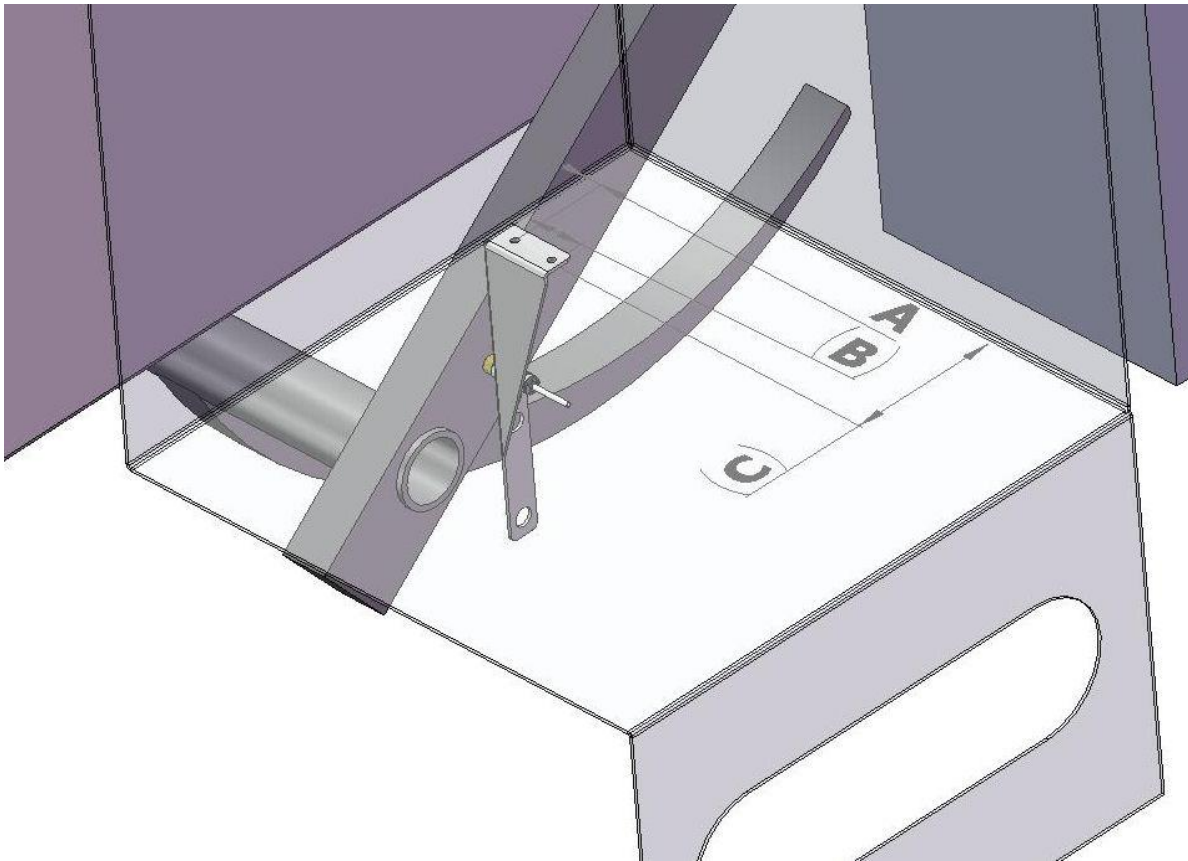
Mount the end of bale sensor bracket (001-4648) as shown. Mark and drill two 3/8" (10mm) holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor in the 8" (20cm) hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Cut off excess metal past the sensor. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.

## Claas 3200-3400



The end of bale (EOB) sensor mounts in the EOB bracket (001-4648C) as shown in the picture. The EOB bracket is mounted to the top side of the needle arm stop using the existing hardware that secures the bumper to the stop.

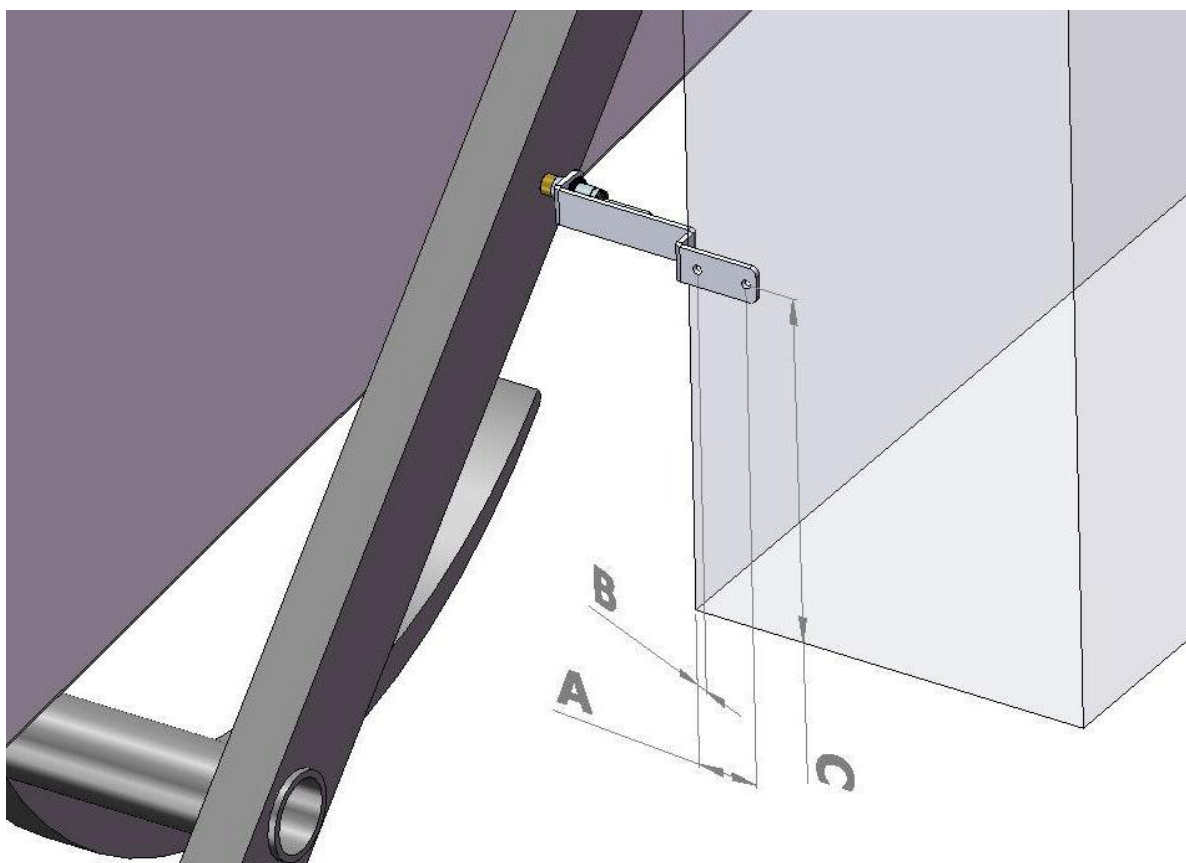




| Sensor hole location | A                | B              | C            |
|----------------------|------------------|----------------|--------------|
| 6" (15cm)            | 2-5/8"<br>(70mm) | 7/8"<br>(22mm) | 7"<br>(18cm) |

Mount the end of bale sensor bracket (001-4648) as shown. Mark and drill two 3/8" (10mm) holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor in the 6" (15cm) hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Cut off excess metal past the sensor. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.

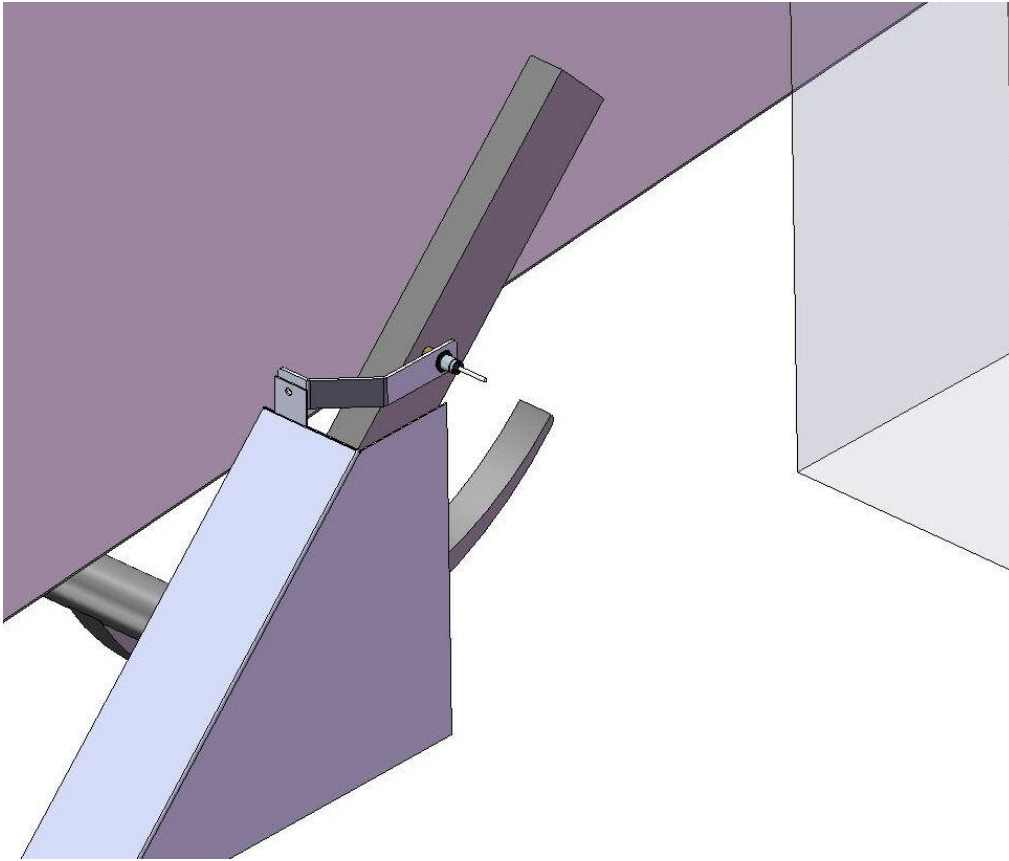
## Krone 890 – 1290



| Sensor hole location | A      | B      | C      |
|----------------------|--------|--------|--------|
| N/A                  | 2-1/4" | 1/2"   | 8"     |
|                      | (65mm) | (13mm) | (20cm) |

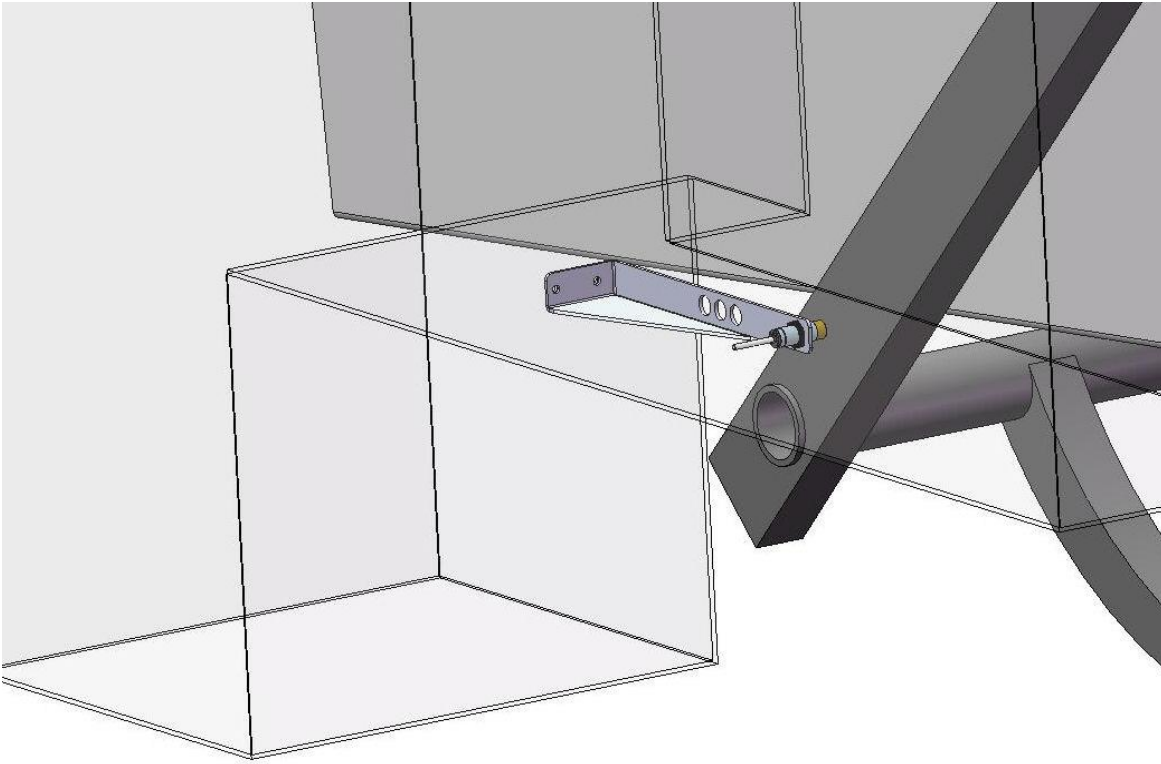
Mount the Krone end of bale sensor bracket (001-4648K) as shown. The Krone mounting bracket can be found in the installation kit box. Mark and drill two 3/8" (10mm) holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor at the end of the bracket, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.

## Krone 12130



Mount the Krone end of bale sensor bracket (001-4648K2) as shown. The Krone mounting bracket can be found in the installation kit box. Directly behind the twine box on the right side of the baler remove the bolt and nut that secures the fiberglass baler shield to the baler. Mount the sensor bracket using the 3/8 x 1 bolt, lock and nut. Mount the sensor at the end of the bracket, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.

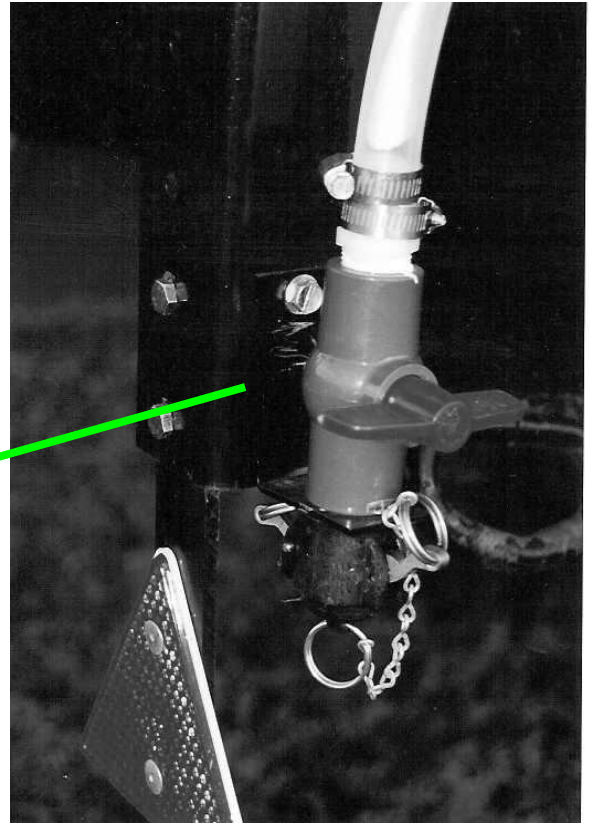
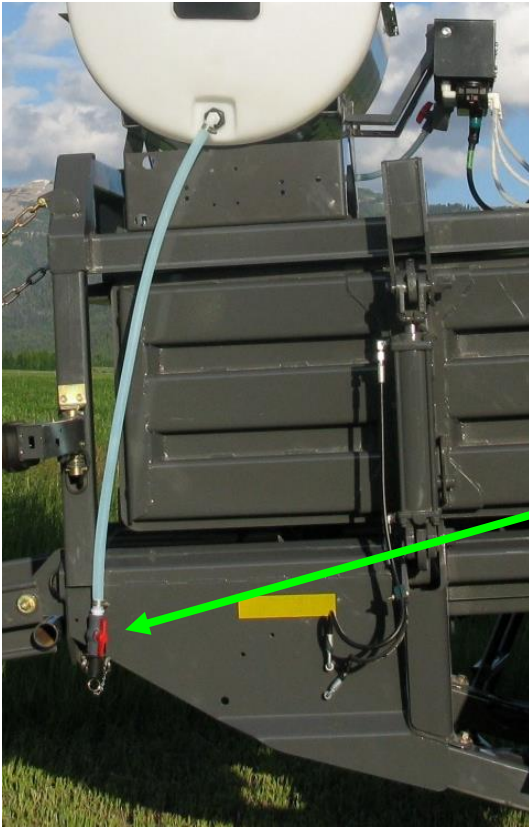
## All Kuhn, Vicon and Taarup Balers



Mount the end of bale sensor bracket (001-4648) as shown. Mark and drill two 3/8" holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor in a hole location centered over the needle arm, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Run the sensor cable up to the Dual Channel Processor (DCP) and secure to the baler.

## Installation of the Drain/Fill Line

1. Locate parts bag 1.
2. Thread 3/4" elbow fitting into end of tank.
3. Run hose from the elbow down the frame to the bottom of the baler.
4. Drill 1/4" (7mm) holes to accept the valve holder bracket and use 5/16" x 1" self-tapping screws.
5. Connect valve assembly to other end of hose. Place hose clamps on both ends.
6. Secure hose to frame using cable locks.
7. Install supplied safety decals (DCL-8001 & DCL-8005) next to the ball valve assembly.

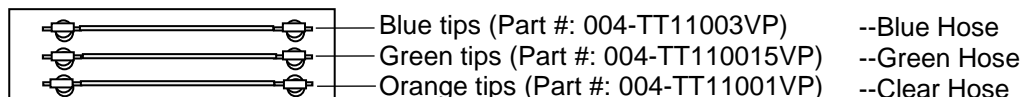


## Installation of Spray Shield

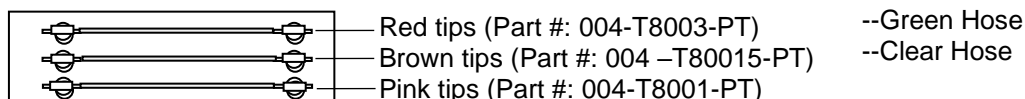
The spray shield assembly is designed to spray the hay evenly as the baler picks it up. A sketch of the spray shield nozzle holder is shown below.

### Tip Outputs

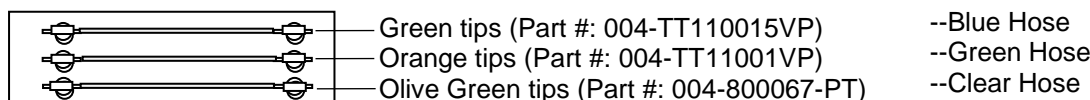
#### High Output Tips for Rates Requiring 84-632 lbs/hr (38-287 L/hr) . (Approximately 21-63 tons/hr)



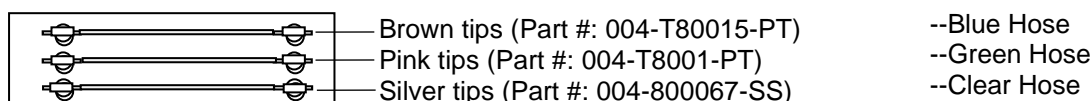
#### Install Kits 4537B, 4540B, 4541B



#### Low Output Tips for Rates Requiring 44-400 lbs/hr (19-200 L/hr). (Approximately 11-40 tons/hr)

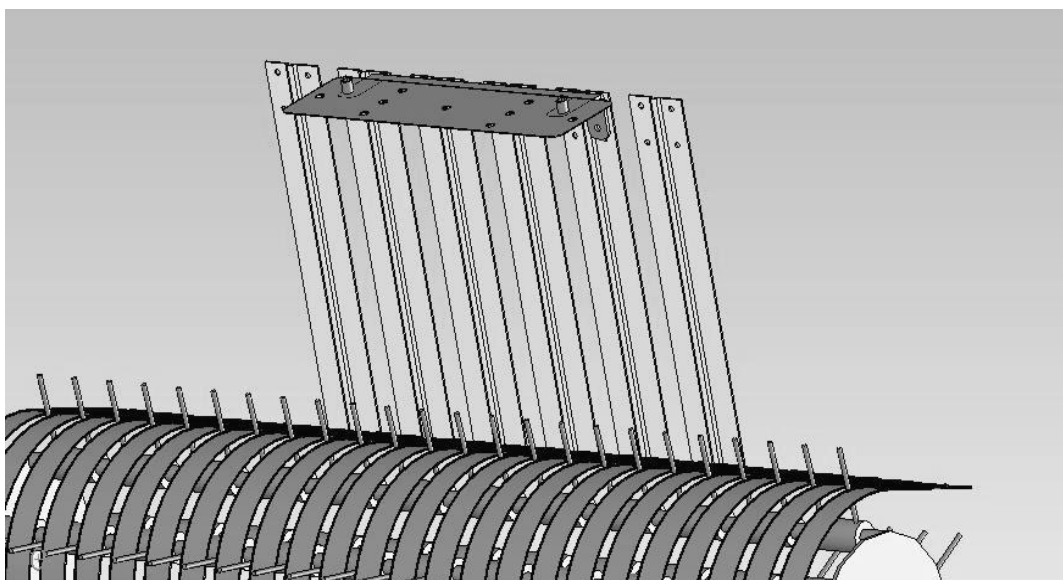


#### Install Kits 4537B, 4540B, 4541B



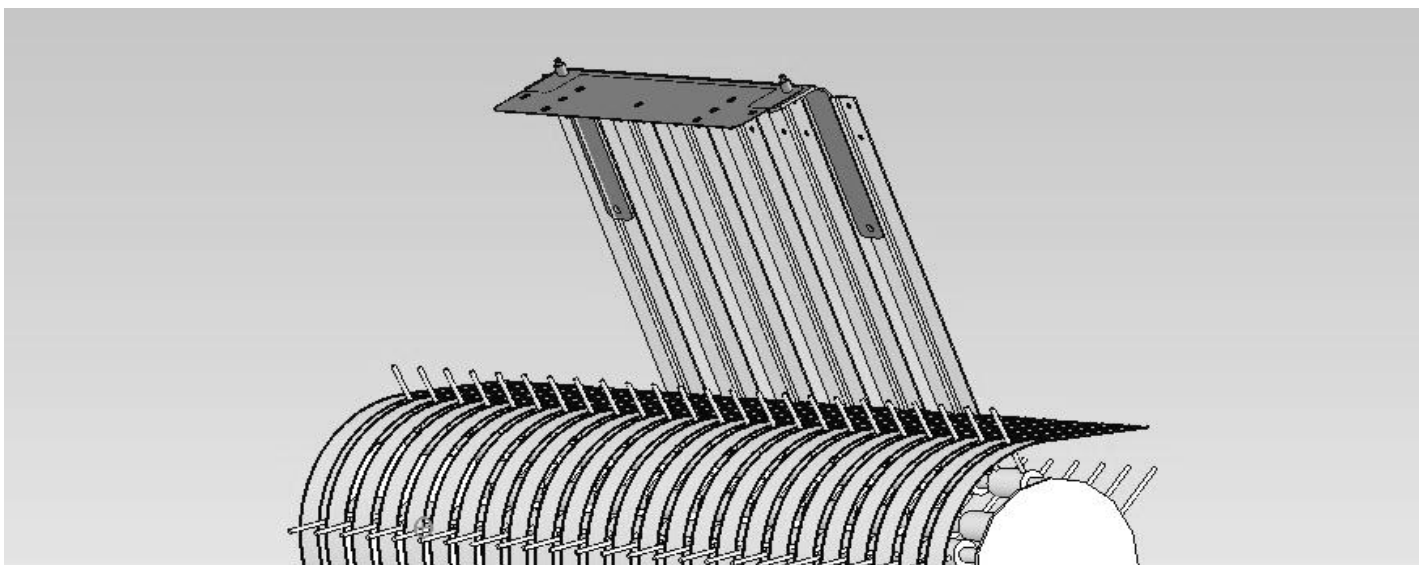
### Installation Kit 4438B

The spray shield is installed on the gathering fork guard located in the back of the pickup head. Existing bolts are used to fasten the spray shield bracket to the gathering fork guards. Route hoses so they will not interfere with moving parts. This can be checked by rotating the flywheel by hand. **Don't fasten hoses to metal hydraulic lines!** A parts breakdown is located in the back of the manual.



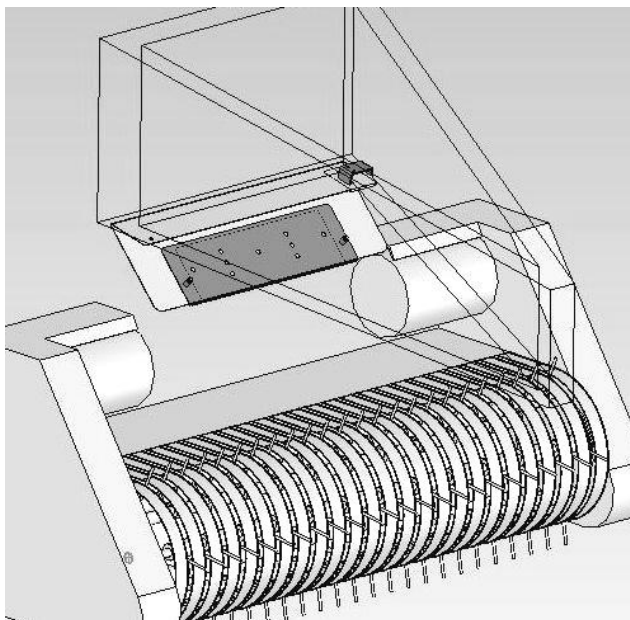
## Installation Kit 4439B

The spray shield is installed on the gathering fork guard located in the back of the pickup head. Existing bolts are used to fasten the spray shield bracket to the gathering fork guards. Route hoses so they will not interfere with moving parts. This can be checked by rotating the flywheel by hand. **Don't fasten hoses to metal hydraulic lines!** A parts breakdown is located in the back of the manual.



## Installation Kit 4490B

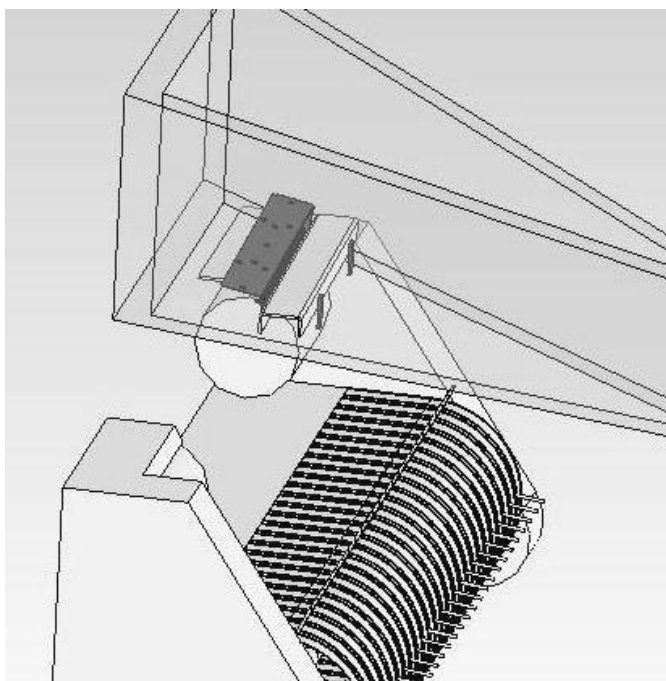
The spray shield holder will be installed underneath the baler's tongue. Bolt the right side up using the existing hole on the bottom lip of the baler. Use the clamp on the left hand side to tighten the shield against the underside of the tongue. Tighten the clamp with the two bolts provided. A parts breakdown of the 4490B is located in the back of this manual.





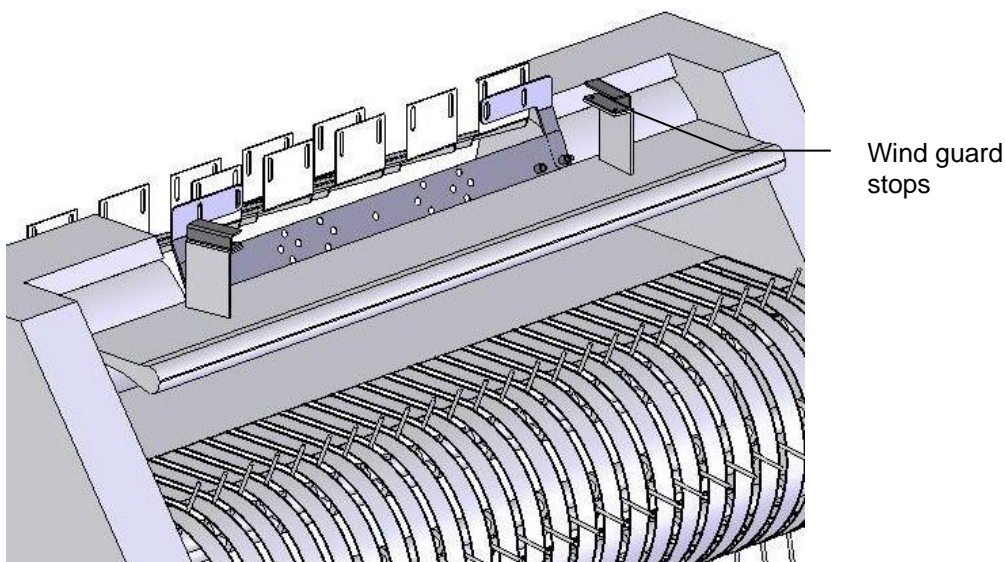
## Installation Kit 4491B

Install the spray shield behind the baler's cross channel, which is located on the bottom side of the tongue behind the flywheel. Note the position of the bevel on the spray shield. Clamp the spray shield around the channel using the backing plates and the 1/4" x 7" (7mm x 18cm) bolts provided. A parts breakdown of the 4491B install kit is shown in the back of this manual.



## Installation Kit 4492B

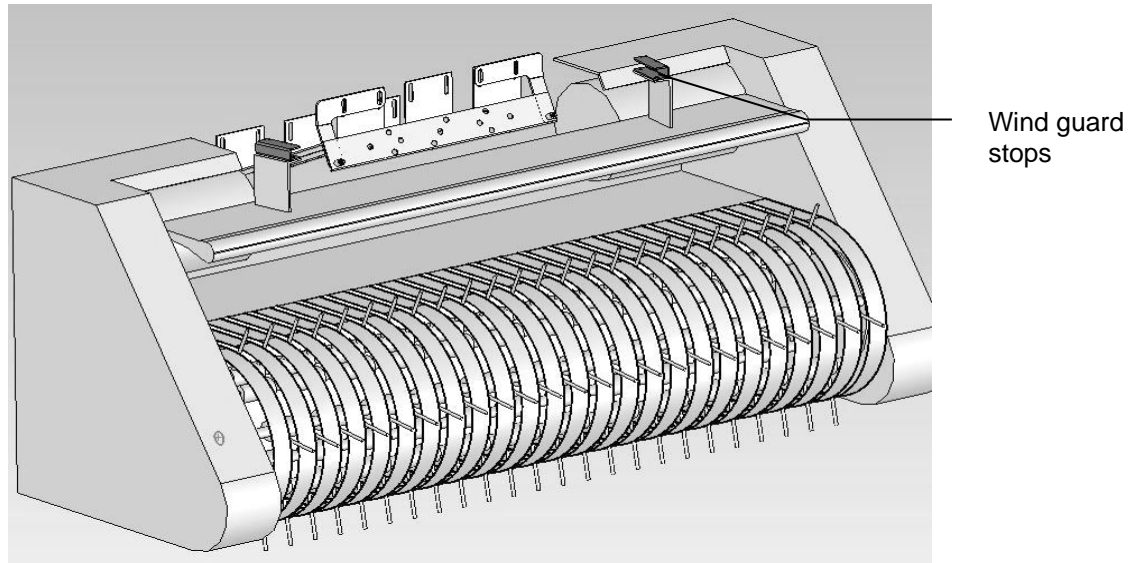
Remove the two 3/8" carriage bolts that connect the wrapper extension to the angle support on each side. Place the brackets 001-4436DL and 001-4436DR between the angle support and the wrapper extension. Replace the bolts with 3/8" x 1-1/4" carriage bolts, nuts, locks, and flat washers. Before tightening pull down on wrapper extensions so when tightened the bolts are in the top of the wrapper extension slot. Install the wind guard stops 001-4436S as shown below. Two holes will need to be drilled per side. Mount using four 1/4" x 1" bolts, locks and nuts.





## Installation Kit 4494B

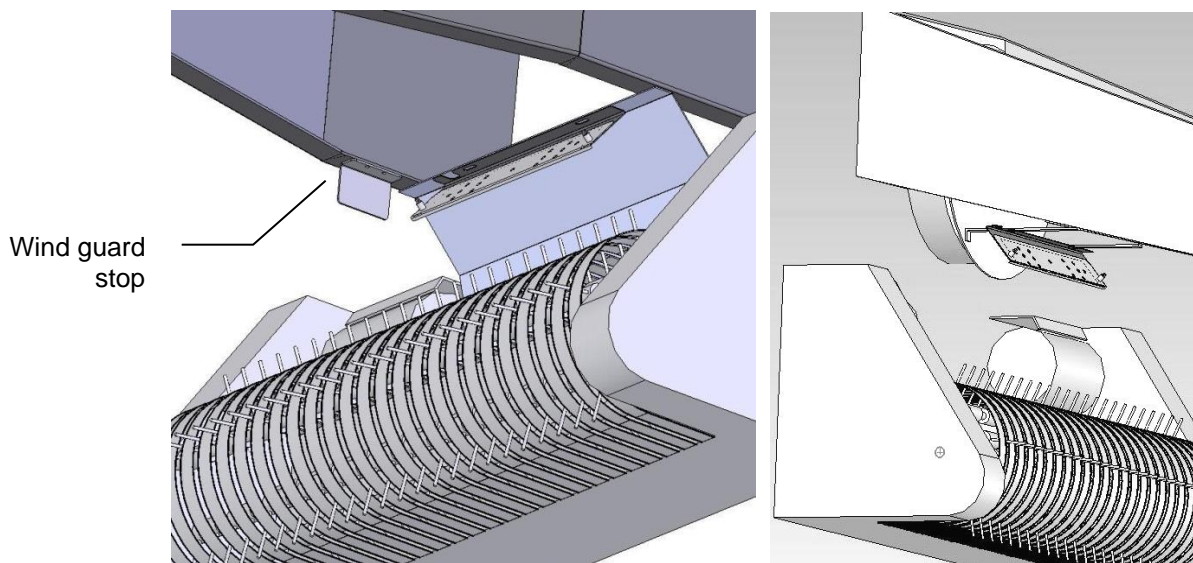
Remove the two 3/8" carriage bolts that connect the wrapper extension to the angle support on each side. Place the brackets 001-4436DL and 001-4436DR between the angle support and the wrapper extension. Replace the bolts with 3/8" x 1-1/4" carriage bolts, nuts, locks, and flat washers. Before tightening pull down on wrapper extensions so when tightened the bolts are in the top of the wrapper extension slot. Install the wind guard stops 001-4436S as shown below. Two holes will need to be drilled per side. Mount using four 1/4" x 1" bolts, locks and nuts.



## Installation Kit 4495B & 4528B

**New Holland and Case:** Install the spray shield under the tongue of the baler, behind the flywheel. There are two existing bolt holes 6" - 12" (15cm-30cm) above the gathering fork guards, connect the spray shield using these holes. The tips should be pointing to the throat of the baler chamber. Install the wind guard stop as shown below 2" (51mm) behind the bend in the baler frame. A parts breakdown of the 4495B install kit is located in the back of the manual.

**Krone:** Install the spray shield under the tongue of the baler in front of the flywheel. You will need to drill two holes directly in front of the flywheel to secure the shield on the baler. The tips should be pointing to the throat of the baler chamber. A parts breakdown of the 4495B install kit is located in the back of the manual.

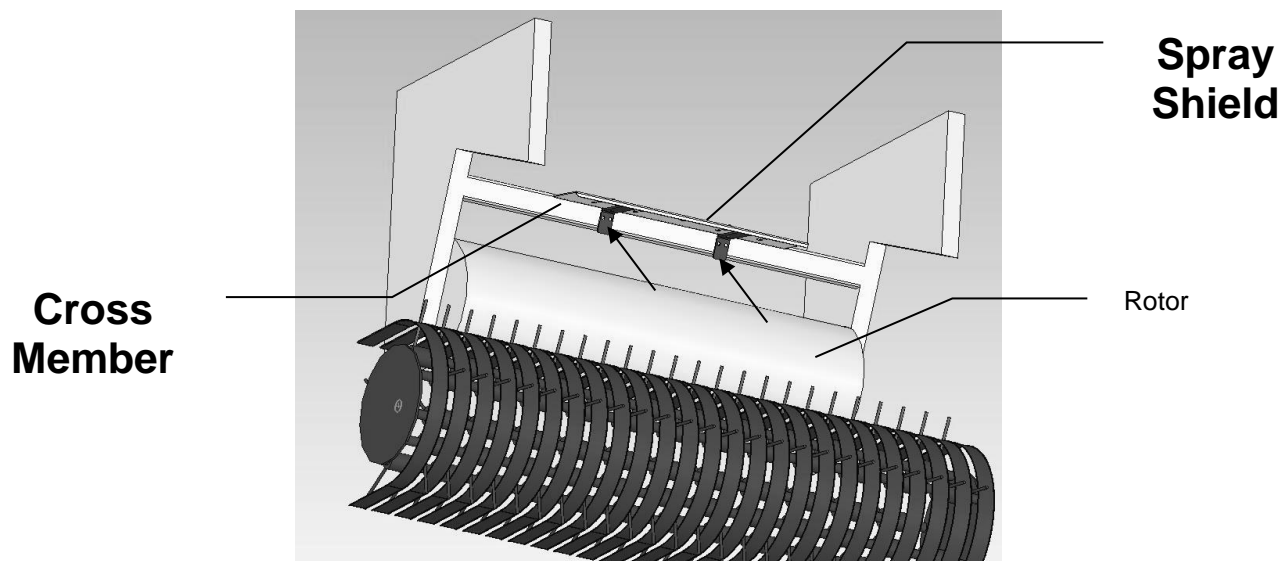


New Holland and Case

Krone

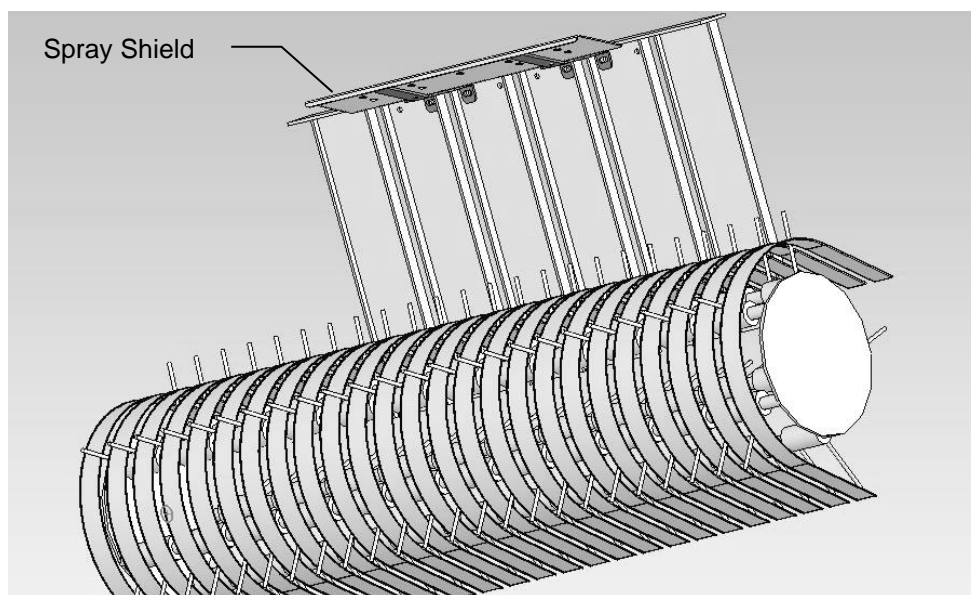
## Installation Kit 4497B & 4529B

Attach shield to cross member as shown in picture below. Center the shield above the rotor. Four holes will need to be marked and drilled. Use supplied 3/8" x 1-1/4" inch bolts, nuts, and lock washers to attach the shield holders (001-4435E) to the metal cross member directly above the rotor. Attach the spray shield (001-4435ES) to the holders and secure with lynch pins. **The shield is set up for 3X4 balers. Use the inside holes on the shield for 3X3 balers and the outside holes for 3X4 balers.**



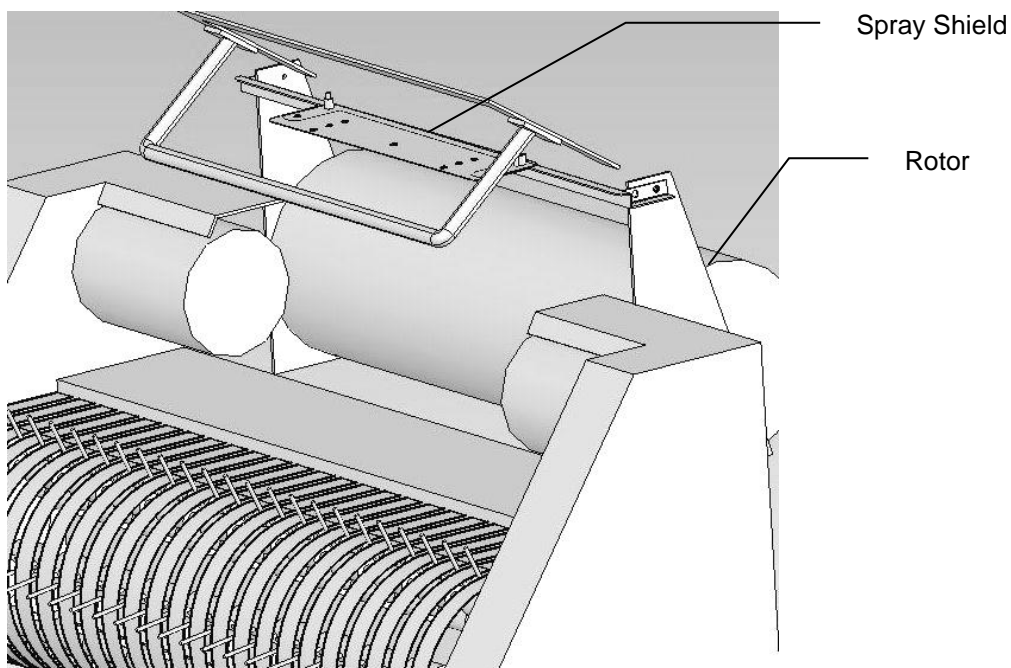
## Installation Kit 4498B

Lower the wind guard of the baler to maximize the installation working space. Locate the guards between the hay intake fingers. Hold the spray shield up so it straddles the top of the guards. Locate the holes on the baler that line up with the spray shield holders. Connect the spray shield to the baler using the existing bolts. Adjust the spray shield so it can be removed and reinstalled freely once the lynch pins are removed.



## Installation Kit 4499B

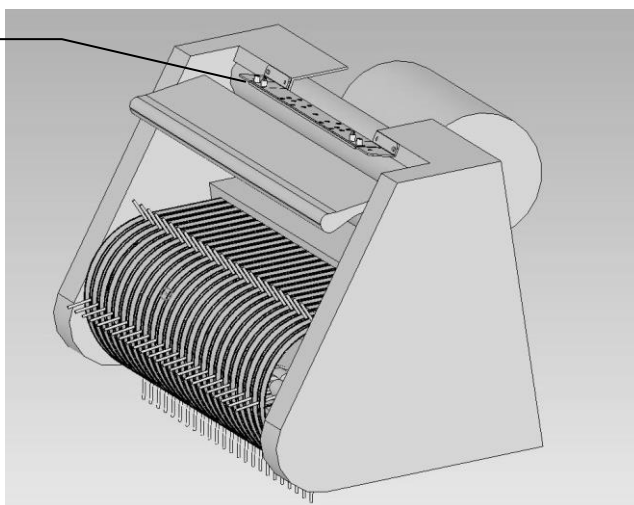
Install the spray shield-mounting bracket between the two flat vertical plates above the rotor as indicated in the picture below. Use the existing bolt holes with the hardware from the applicator kit to mount the spray shield bracket to the baler. Fasten the spray shield onto the spray shield bracket already mounted. Route hoses along the spray shield bracket towards the right side of the baler, and then back to the tank. When routing the hose avoid moving parts.



## Installation Kit 4500B

Locate the sheet metal above the top auger. (Figure 1) Locate the two holes through the sheet metal nearest the center of the pickup head. Place two  $\frac{3}{8}$ " x  $1\frac{1}{4}$ " bolts through the sheet metal with the bolt heads on the bottom side. Place 001-4436CR over the bolts and fasten with  $\frac{3}{8}$ " nuts, locks, and flat washers. Repeat for 001-4436CL on left side of machine. Place spray shield between brackets and tighten hardware.

Figure 1



## Installation Kit 4501B

### 4790 cutter balers with top auger. (Figure 1)

Locate the sheet metal above the top auger. Locate the two holes through the sheet metal nearest the center of the pickup head. Place two 3/8" x 1-1/4" bolts through the sheet metal with the bolt heads on the bottom side. Place 001-4436CR over the bolts and fasten with 3/8" nuts, locks, and flat washers. Repeat for 001-4436CL on left side of machine. Place spray shield between brackets and tighten hardware.

### 4790 cutter balers without top auger. (Figure 2)

Connect spray shield to 001-4436CR and 001-4436CL brackets. Place the assembly across the top of the pickup head so the spray shield is horizontal. Center the shield over the throat of the baler directly above and centered over the bottom augers. Mark the holes on both sides and drill two 7/16" (12mm) holes on each side. Place two 3/8" x 1-1/4" through the sheet metal bolt heads down. Secure the assembly with 3/8" nut, locks, and flat washers.

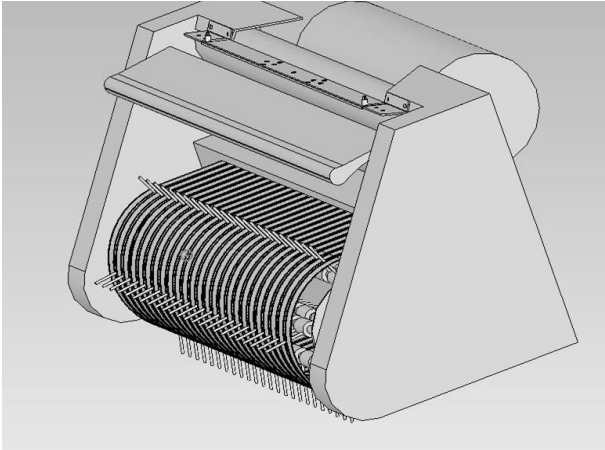


Figure 1

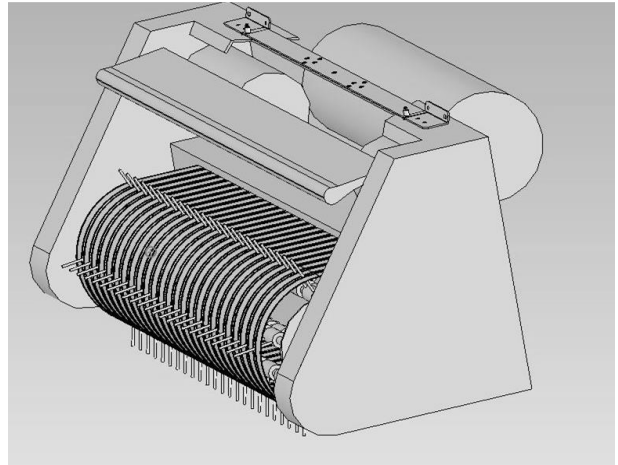


Figure 2

## Installation Kit 4509B

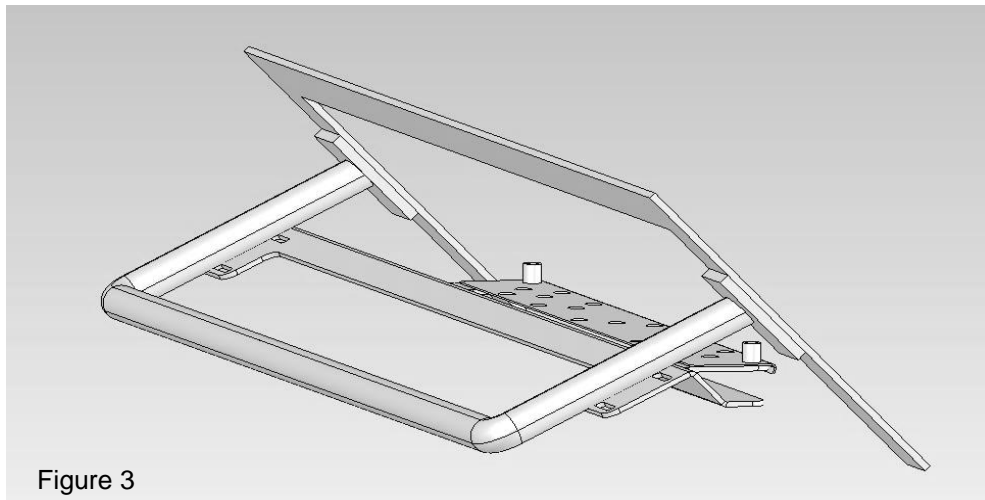
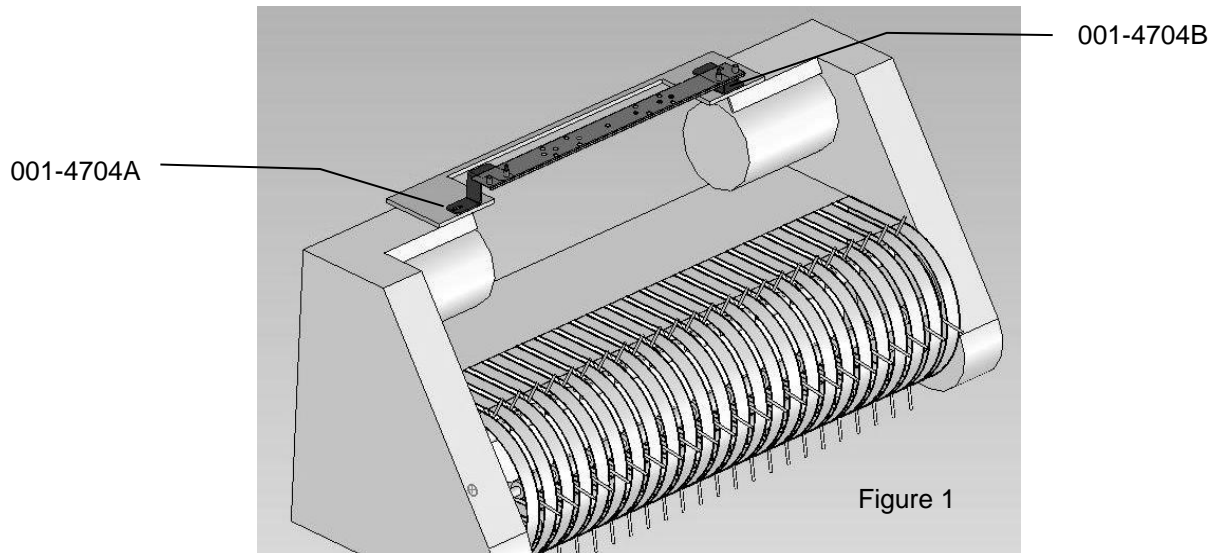


Figure 3

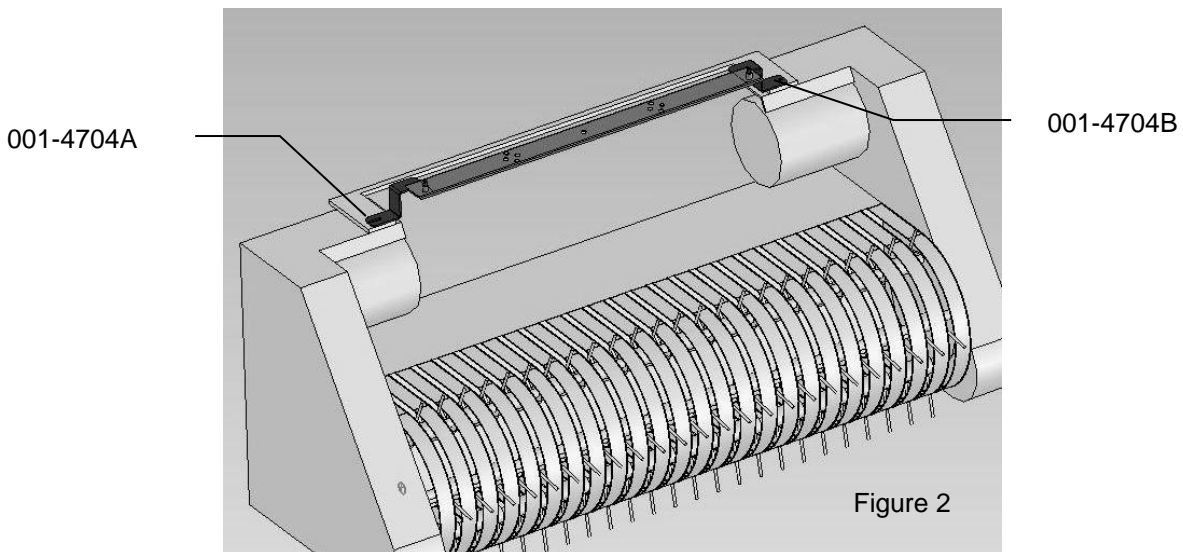
Locate the curved tube (Figure 3) above the auger and rotary cutting system. Attach Shield holder (001-4440A) using the four supplied U-bolts, nuts, flat and lock washers. Slide shield back as far as the baler will allow and tighten down all mounting hardware. Install spray shield (001-4810) and use the two lynch pins (008-4576) to secure.

## Installation Kit 4510B



Locate the sheet metal above the pickup head. (Figure 1) Connect spray shield to 001-4704A and 001-4704B brackets. Place the assembly across the top of the pickup head so the spray shield is horizontal. Center the shield over the throat of the baler directly above and centered over the bottom augers. Mark the holes on both sides and drill two 7/16" (12mm) holes on each side. Place two 3/8" x 1-1/4" through the sheet metal bolt heads down. Secure the assembly with 3/8" nut, locks, and flat washers.

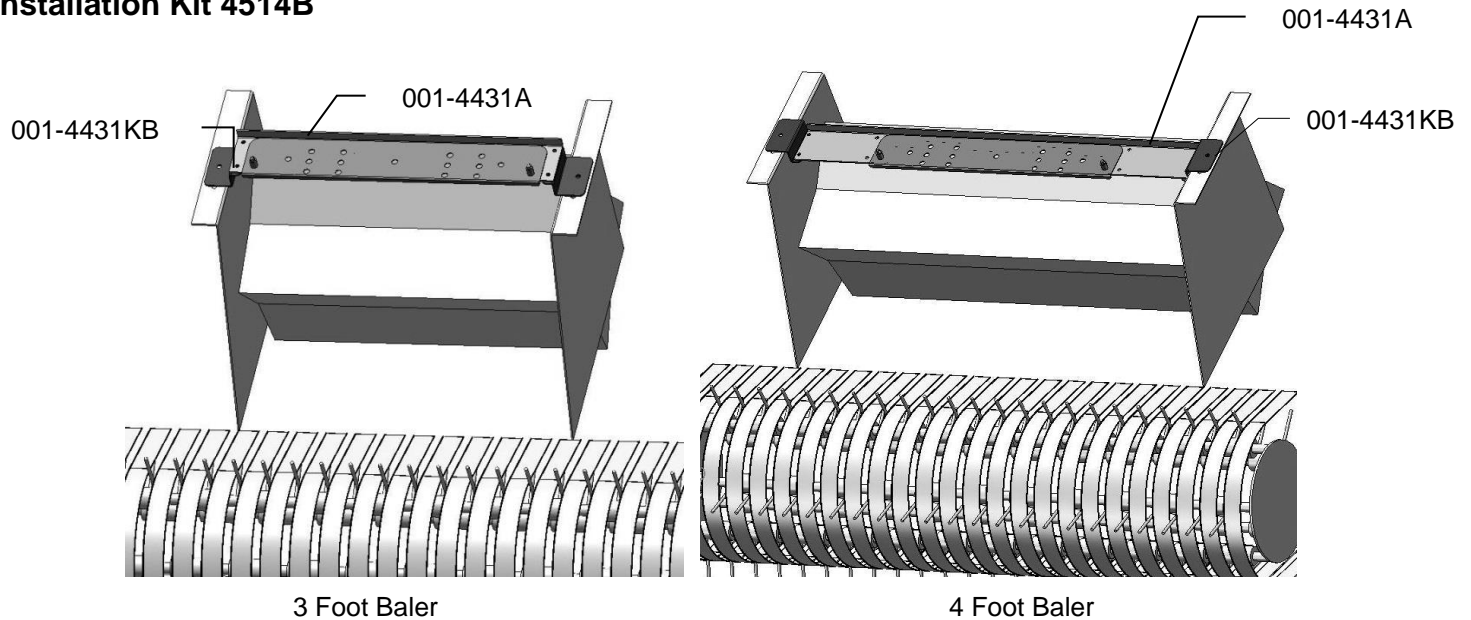
## Installation Kit 4511B



Locate the sheet metal above the pickup head. (Figure 2) Connect spray shield to 001-4704A and 001-4704B brackets. Place the assembly across the top of the pickup head so the spray shield is horizontal. Center the shield over the throat of the baler directly above and centered over the bottom augers. Mark the holes on both sides and drill two 7/16" (12mm) holes on each side. Place two 3/8" x 1-1/4" through the sheet metal bolt heads down. Secure the assembly with 3/8" nut, locks, and flat washers.

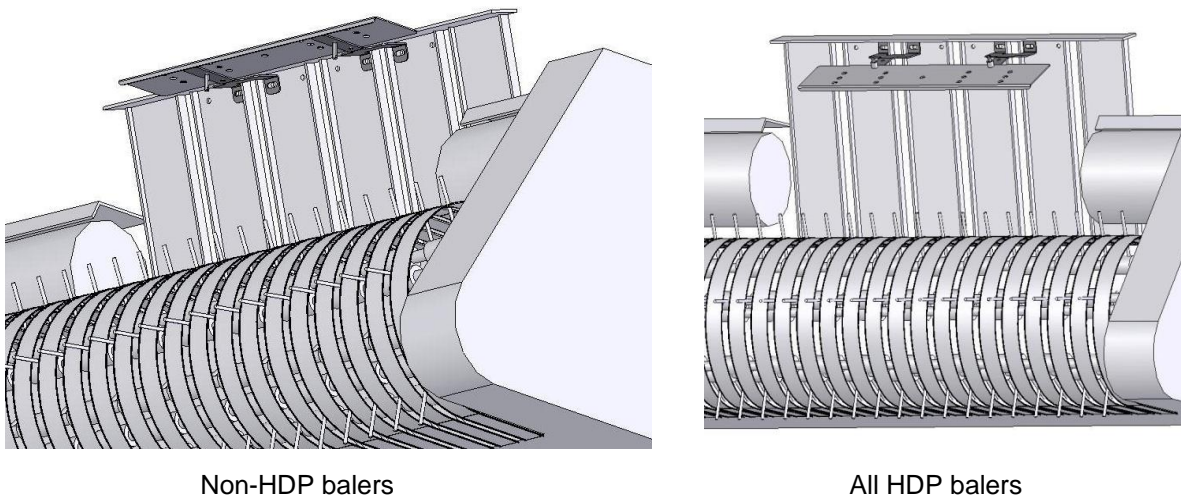


## Installation Kit 4514B



Locate the two mounting brackets (001-4431KB). In the 4' baler, these brackets are positioned so the spray shield is dropped down from the flywheel. On the 3' baler, these brackets are positioned using the top hole on each side to raise the spray shield up from the rotor. Use the top hole on the baler for mounting the brackets. These brackets will be secured with two 3/8" x 1" bolt and flats, locks, and nuts. Then the spray shield holder (001-4431KA) spans across the throat of the baler and bolts to mounting brackets so the pins are on the top side. The holder has a formed flange on the backside that should be flush with the back of the mounting brackets. The shield holder will be fastened to the mounting brackets with four 5/16x1" bolts with flats, locks and nuts (2 on each side). In the case of the 3' (1M) balers, there are additional holes for mounting the holder to the brackets. For 3' (1M) wide balers 7-1/2" (19cm) will need to be cut off the ends the shield holder. Place the spray shield assembly on top of the shield holder and secure with lynch pins.

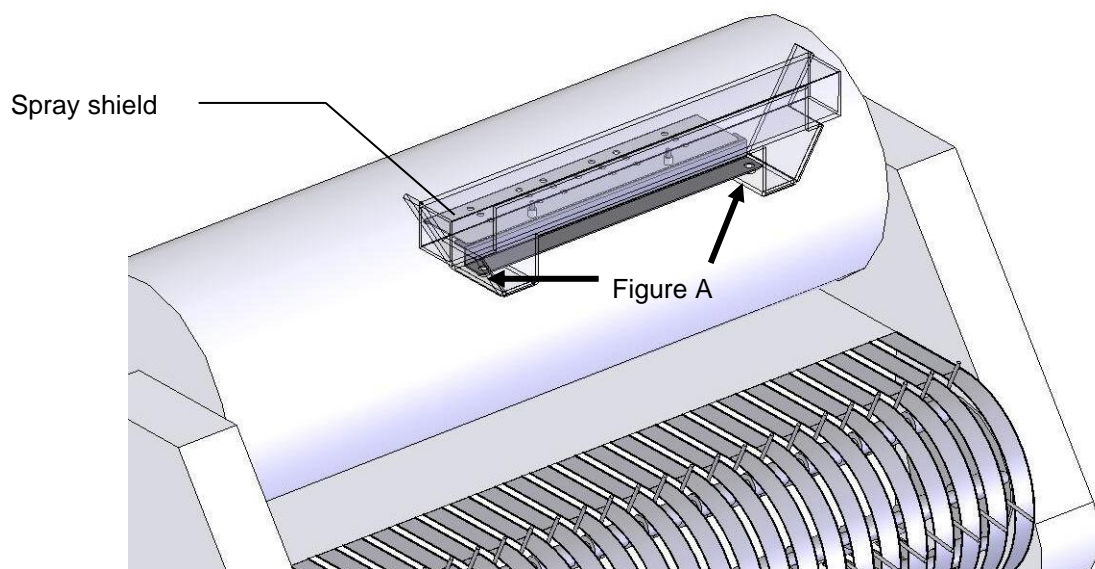
## Installation Kit 4515B



Locate the four center stuffer guards (on narrower models of baler, there may be only four stuffer guards). Remove the nuts and bolts indicated above that fasten the stuffer guards to the cross member above the baler throat. Replace the hardware that you removed with the hardware included in the parts bag (M10x30 bolts, M10 lock washers, and M10 nuts) and bolt the spray shield holder (001-4435KS) in place as shown above. Use the above pictures to determine the position of the spray shield holder depending on baler type. Position the spray shield (001-4435AS) on top of the spray shield holders with the pins from the spray shield holder extending through the pipes welded to the spray shield. Adjust the spray tips so they point towards the throat of the baler. Adjust the spacing of the spray shield holder as needed and tighten the hardware.



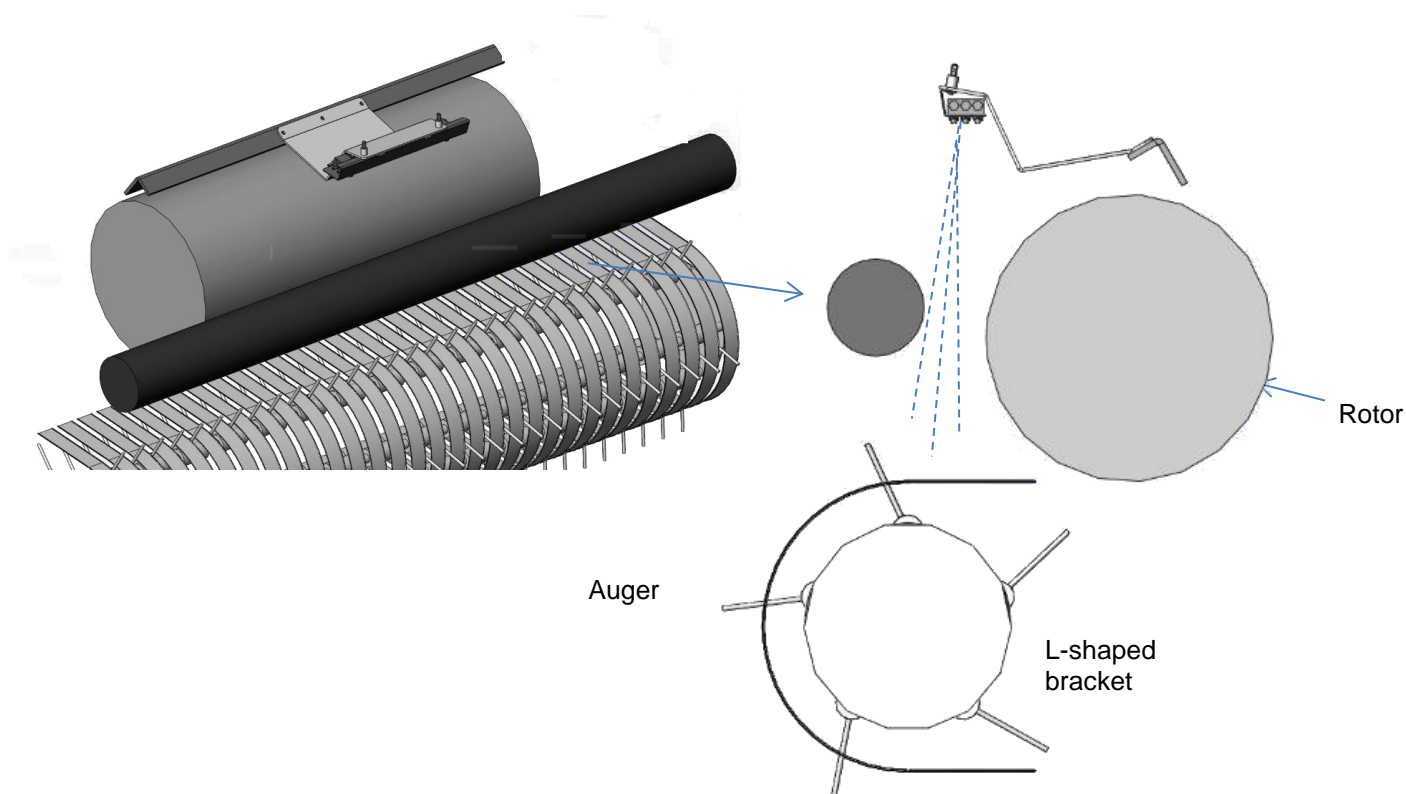
## Installation Kit 4525B



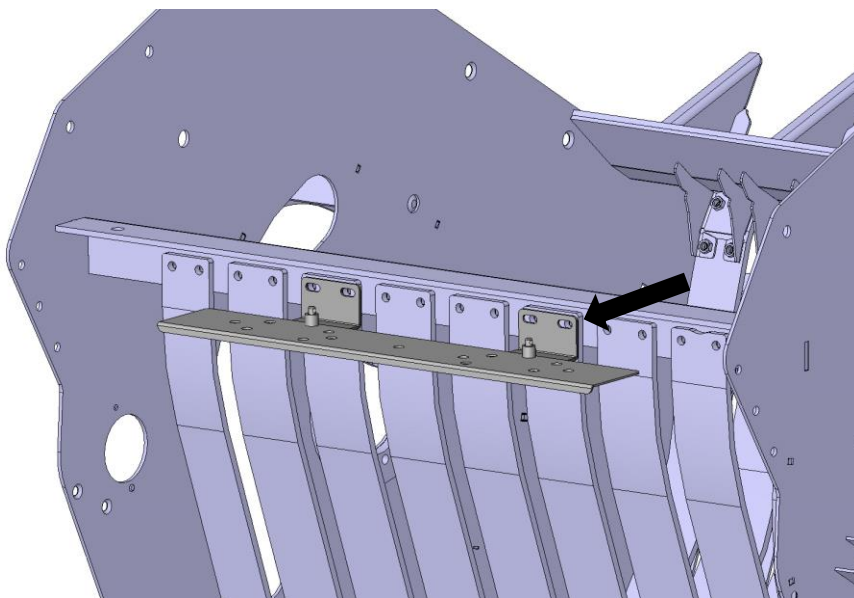
Locate the two bolts shown in Figure A. Remove bolts and install spray shield holder (001-4435EK). Install bolts and tighten. Install spray shield assembly (001-4435ES) and secure with two supplied lynch pins. Use the inside slots on 3x3 balers and the outside slots on 3x4 balers.

## Installation Kit 4537B

The spray shield holder (001-4435L) is centered on the L-shaped bracket above the rotor and secured with 3/8"x1-1/4" hex bolts, 3/8" lock washers, and 3/8" nuts (x3). The spray shield is then pinned in place with the lynch pins. Route hoses so they do not interfere with moving parts, and do not fasten hoses to hydraulic lines.

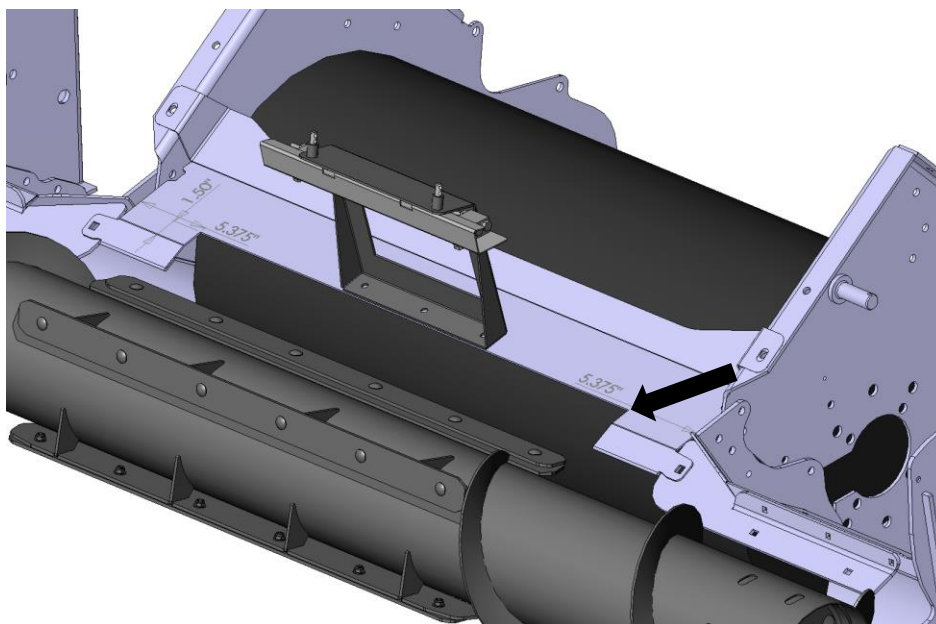


## Installation Kit 4539B



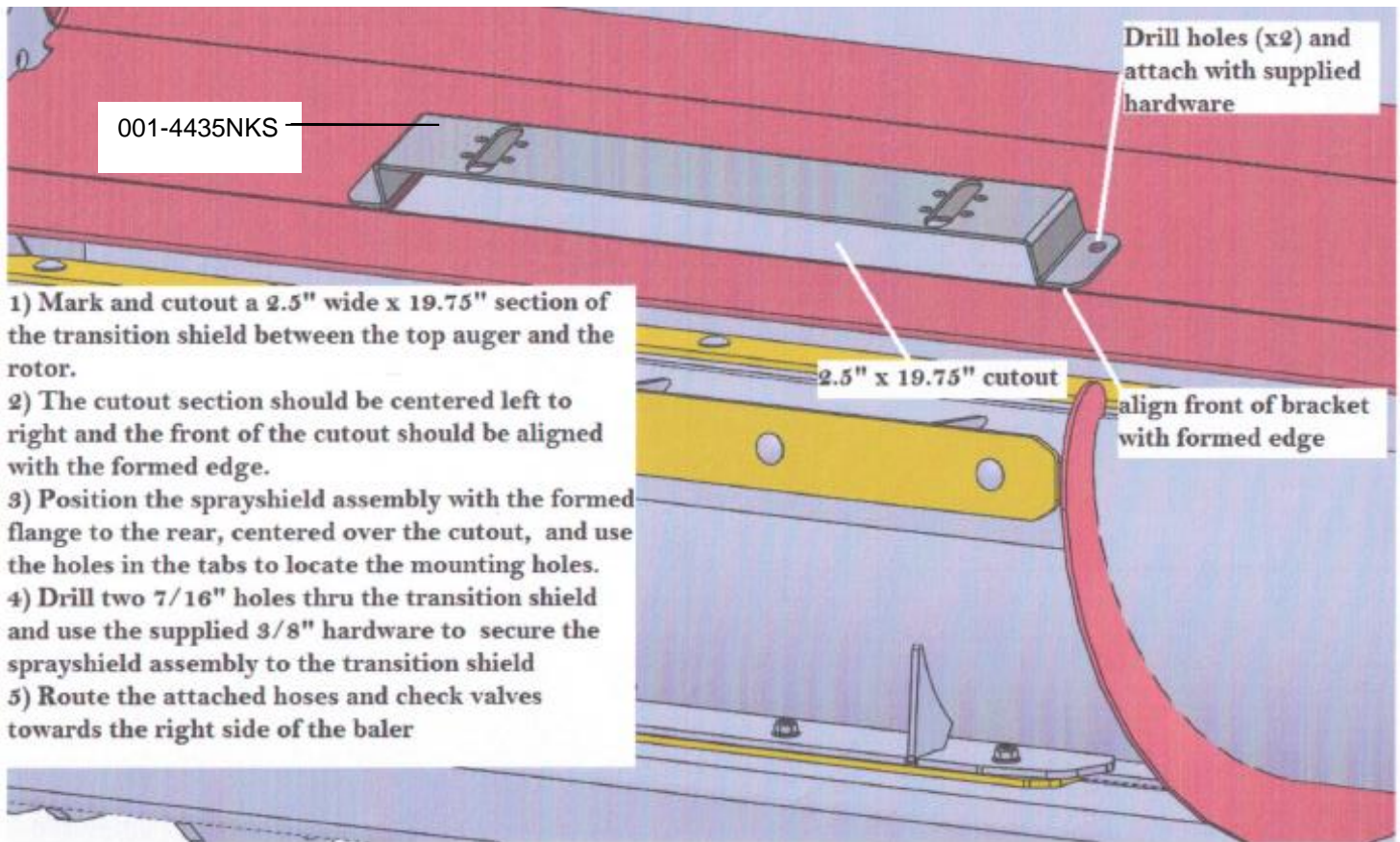
Locate the center stuffer guards and remove the nuts and bolts indicated above that fasten the stuffer guards to the cross member above the baler throat. Replace the hardware that you removed with the hardware included in the parts bag (M10x30 bolts, M10 lock washers, and M10 nuts) and bolt the spray shield holder (001-4435KX) in place as shown above. Use the above pictures to determine the position of the spray shield holder depending on baler type. Position the spray shield (001-4435AS) on top of the spray shield holders with the pins from the spray shield holder extending through the pipes welded to the spray shield. Adjust the spray tips so they point towards the throat of the baler

## Installation Kit 4540B & 4541B



A piece of the guard above the rotor will need to be removed before mounting the spray shield holder (001-4435KC). Measure in 5 3/8" from each side of the guard and 1 1/2" (38mm) deep as indicated in the picture above. The shield holder is centered above the area above the piece that was removed. The spray shield is then pinned in place with the lynch pins. Route hoses so they do not interfere with any moving parts, and do not fasten hoses to hydraulic lines.

## Installation Kit 4540BX – Krone 3' HDP, HS, XC Balers

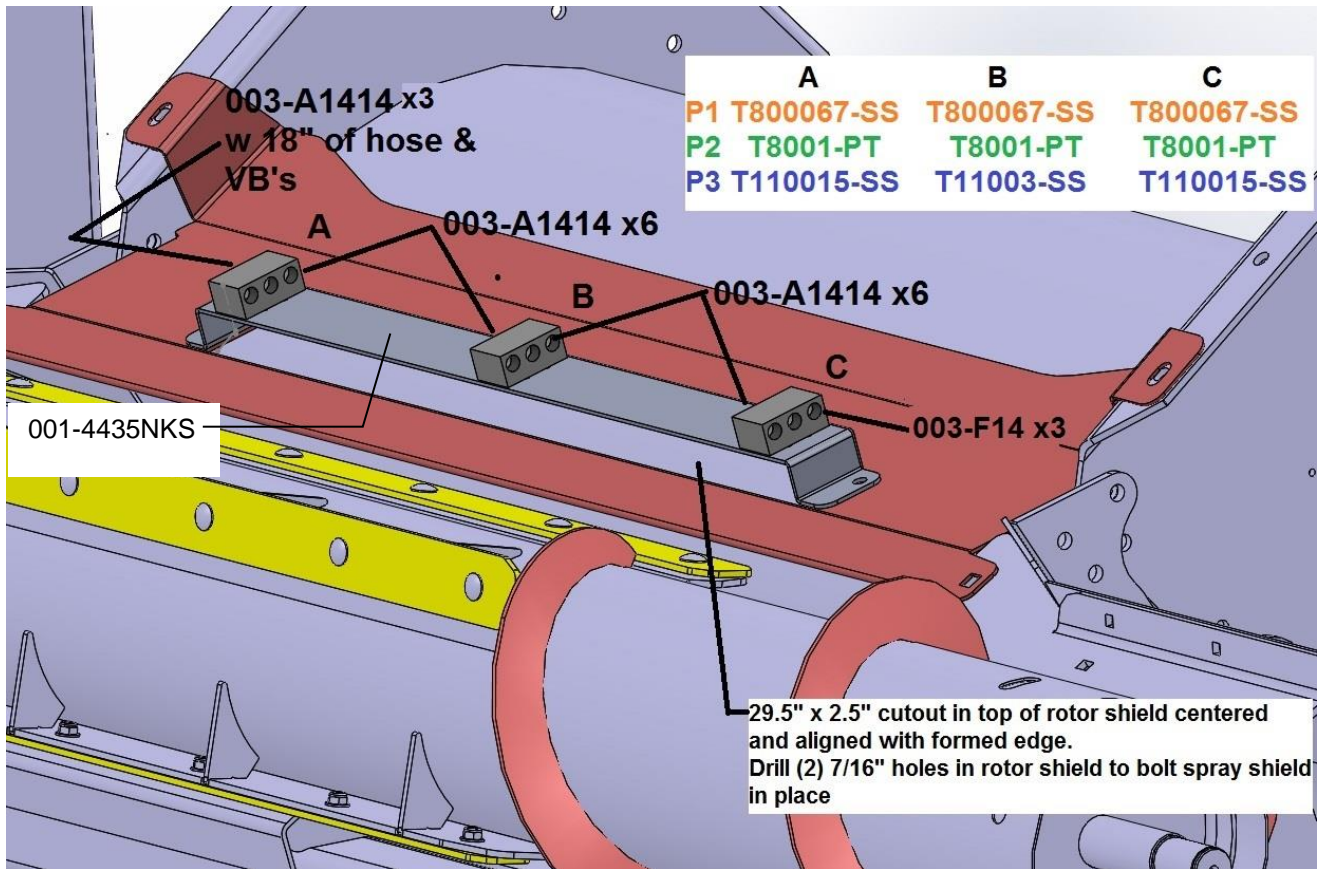


Locate nozzle bracket 001-4435NKS. Center the bracket on the top of the rotor shield and aligned with formed edge. Mark and cut out a 2 1/2" x 19 3/4" (64mm x 47cm) section of the transition shield between the top auger and the rotor. The cutout section should be centered left to right and the front of the cutout should be aligned with the formed edge.

Position the spray shield assembly with the formed flanged to the rear, centered over the cutout, and use the holes in the tabs to locate the mounting holes. Drill two 7/16" (11mm) holes through the transition shield and use the supplied 3/8" (10mm) hardware to secure the spray shield assembly to the transition shield. Route the attached hoses and check valves towards the right side of the baler.



## Installation Kit 4541BX – Krone 4' HDP, HS, XC Balers

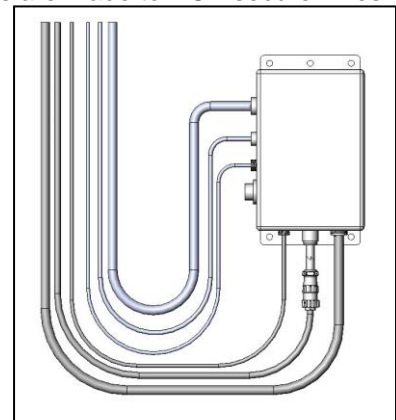


Locate nozzle bracket 001-4435NK. Center the bracket on the top of the rotor shield and aligned with formed edge. Mark and cut out a 2 1/2" x 19 3/4" (64mm x 47cm) section of the transition shield between the top auger and the rotor. The cutout section should be centered left to right and the front of the cutout should be aligned with the formed edge.

Position the spray shield assembly with the formed flanged to the rear, centered over the cutout, and use the holes in the tabs to locate the mounting holes. Drill two 7/16" (11mm) holes through the transition shield and use the supplied 3/8" (10mm) hardware to secure the spray shield assembly to the transition shield. Route the attached hoses and check valves towards the right side of the baler.

## Main wiring harness and power cord connection to baler harness terminator connection

Route cords 006-6650LS2 along this path or similar inside of the baler. Keep cords away from moving parts and hydraulic hoses. Secure with existing cable clamps or use cable ties. When all connections are made to DCP secure wires.



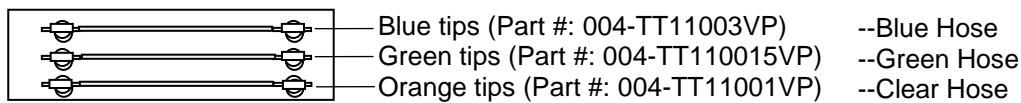
## Plumbing

- A. Locate the three 1/4" hoses colored clear, blue, and green. The pumps will need to be connected to specific tips so the pump numbers are as follows: Pump 1 is closest to the filter bowl, pump 2 is in the middle, and pump 3 is the outside pump.
- B. Slide the jaco nut over the end the hose and insert the hose into the jaco fitting and tighten the jaco nut. Because all nozzles on the spray shield are different, the operator will need to install pump 1 to the orange tips using the clear hose, pump 2 to the green tips using the green hose and pump 3 to the blue tips using the blue hose.
- C. **KEEP HOSE AWAY FROM: MOVING PARTS, SHARP METAL, AND HYDRAULIC LINES. WORKING TEMPERATURE FOR THE HOSE IS 140 °F AND UNDER.**
- D. Tie the hose down at secure locations on the baler using the enclosed tie straps and cable clamps.

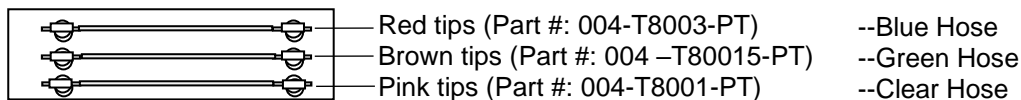
### High and Low Output Tips

Your baler comes with two sets of tips: a low set and a high set. The high set comes factory installed.

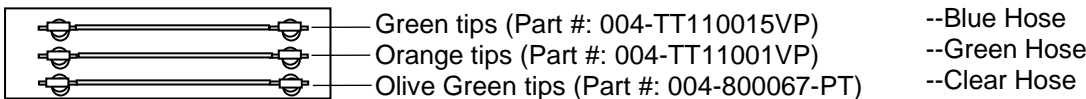
#### High Output Tips for Rates Requiring 84-632 lbs/hr (38-287 L/hr). (Approximately 21-63 tons/hr)



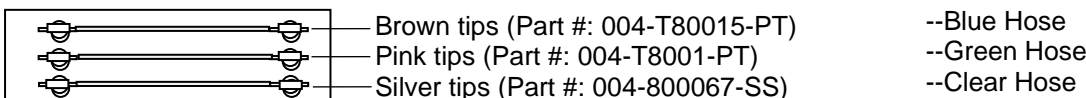
#### Install Kits 4537B, 4540B, 4541B



#### Low Output Tips for Rates Requiring 44-400 lbs/hr (19-200 L/hr). (Approximately 11-40 tons/hr)



#### Install Kits 4537B, 4540B, 4541B



**\*\*Refer to Tip Output under APPLICATION RATE of the control unit to calibrate system.**

### Installation of star wheel and bale rate harness

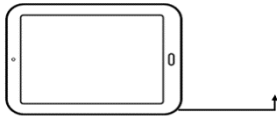
Remove the cover from the star wheel block and use a 1/4" nut driver to remove the nut from the electronic swivel. Next, run the star wheel sensor wire through the black grommet and place the eye terminal on the star wheel sensor. Tighten the eye loop with the nut on the sensor and put the star wheel cover back on the base. Tighten the grommet to form a tight seal around the wire. The bale rate sensors will be factory installed on the right side twine guard in the correct position. The sensor with the longer sensor wire should say "FRONT" which indicates it should be placed in the front sensor hole. The sensor wire with the shorter wire should say "BACK." The tip of the sensor should be placed no more than 1/4" (7mm) away from the star wheel teeth and no less than 1/8" (3mm) from the star wheel teeth. Each sensor will have an LED light located on the sensor by the diverter. Once the unit is powered up spin the wheel and make sure that both led lights turn on and off. If they don't turn on and off, adjustments may need to be made. Once the star wheel connection is complete, run the harness along the baler frame to the Dual Channel Processor (DCP). See wiring installation on the following page. The Dual Channel Processor is located on the back of the right twine box.

## Installation of iPad Integration Control

Locate a safe location in the cab of the tractor to place the iPad Integration Control (030-6672C). Recommended location is securely fastened out of the operators way in a location that is close enough to reach with the iPad cord.

Connect the Power / Communication harness (006-6650TM(E)) to the bottom of the receiver.

To operate the applicator, plug the iPad cord into the communication port indicated by:



## iPad Integration Control Light Signals

Green Slow Blink – Power supplied to the applicator system and the unit is going through its startup process. This will take approximately 25-35 seconds.

Green Double Blink – Indicating the iPad module recognizes the iPad but the app is not open or connected.

Green Solid Light – Module is connected to the app and is ready to operate.

\*Recommended to use the USB cable included with the applicator kit (006-6672USBC)

## Bluetooth Receiver Lights

Pre-2020 applicators equipped with Bluetooth receivers (030-6672B) are now equipped with lights to indicate both power and Hay App connection on the Apple iPad. Clean light regularly

*Blinking Lights* – System is waiting for the processor to connect, which could take up to 35 seconds.

*Red Light* – The Bluetooth receiver has power

*Green Light* – The Bluetooth receiver is connected to the Hay App.



**\*\*600 Series Applicators with serial number before DCP27000 will require the DCP to be sent to Harvest Tec for a required update in order to use the iPad Integration Module (030-6672C).**

Hay App version must be **at least 2.7.1 (or higher)** to operate with the iPad Integration Module

## \*Made for Apple iPad badge

Use of the Made for Apple iPad badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Please note that the use of this accessory with an Apple product may affect wireless performance.

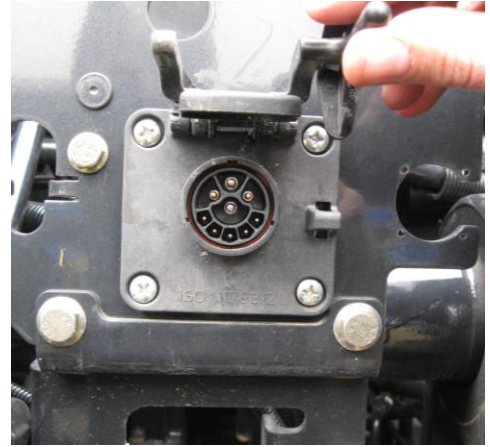


## Connecting the optional ISOBUS plug to the tractor

Attach the optional ISOBUS connector (006-6670A) to the end of the communication harness (006-6650TM).

Connect orange wires and attach the plug to the tractor's ISOBUS port.

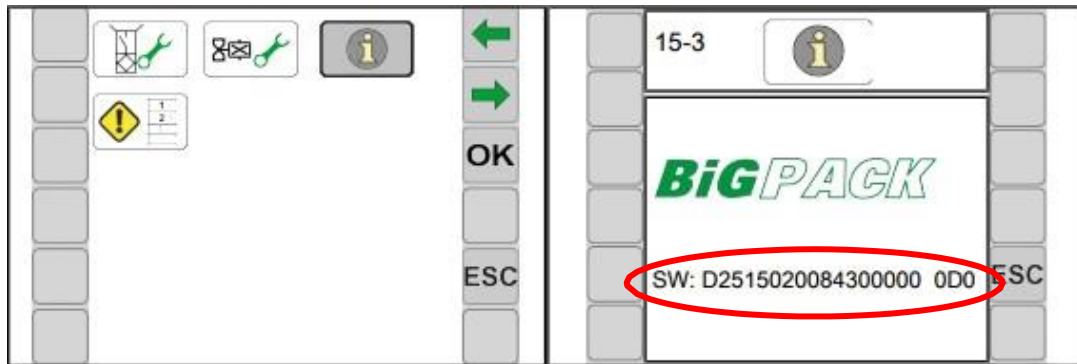
Connect the ISOBUS connector to the ISOBUS plug on the tractor.



## Krone ISOBUS Integration (optional)

Harvest Tec applicators will now be able to display on a split-screen ISO terminal, the CCI1200, offered with Krone balers. The moisture can also be shown on the baler's operating screen but the split-screen setup is the recommended option from Harvest Tec for the monitoring of all critical system functions such as moisture, application and bale information.

All 2018 (and beyond) Krone balers (starting with SN 976909) will be capable of running through the ISOBUS. If unsure, balers with a software version structured similar to the screen shot below will be capable:



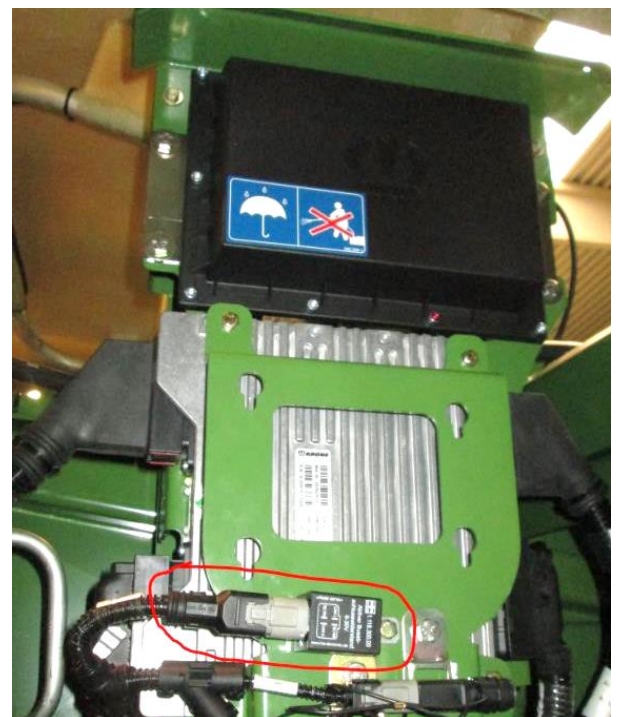
If the above information is confirmed, the following are required to integrate with the baler:

- Integration Harness – 006-6650VAK
- DCP Firmware Version 57469 or later (**only required for moisture on baler run screen – any DCP version will work with split screen**)

One end of the integration harness will connect into a 4-pin deutsch terminator on the left side of the baler directly above the baler ECU.

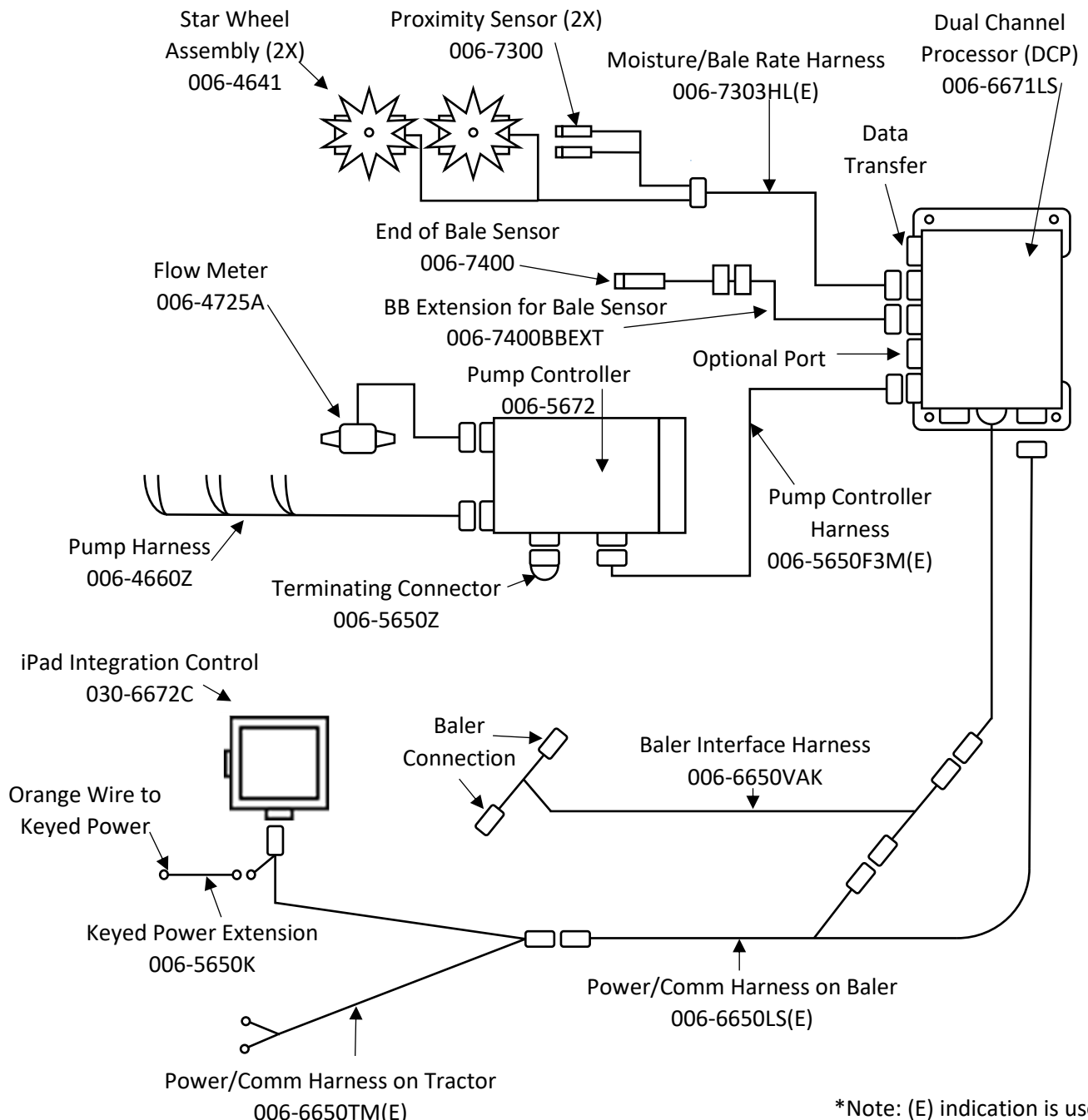
The connector number will be –X100.2 and found as shown right (circled). The harness will then be routed back to the DCP and will connect in line with the display wire that comes from the bottom of the DCP.

Refer to the Krone Wiring Diagram – Krone ISOBUS Integration on the next page for additional details.



## Wiring Diagram – Krone ISOBUS Integration (optional)

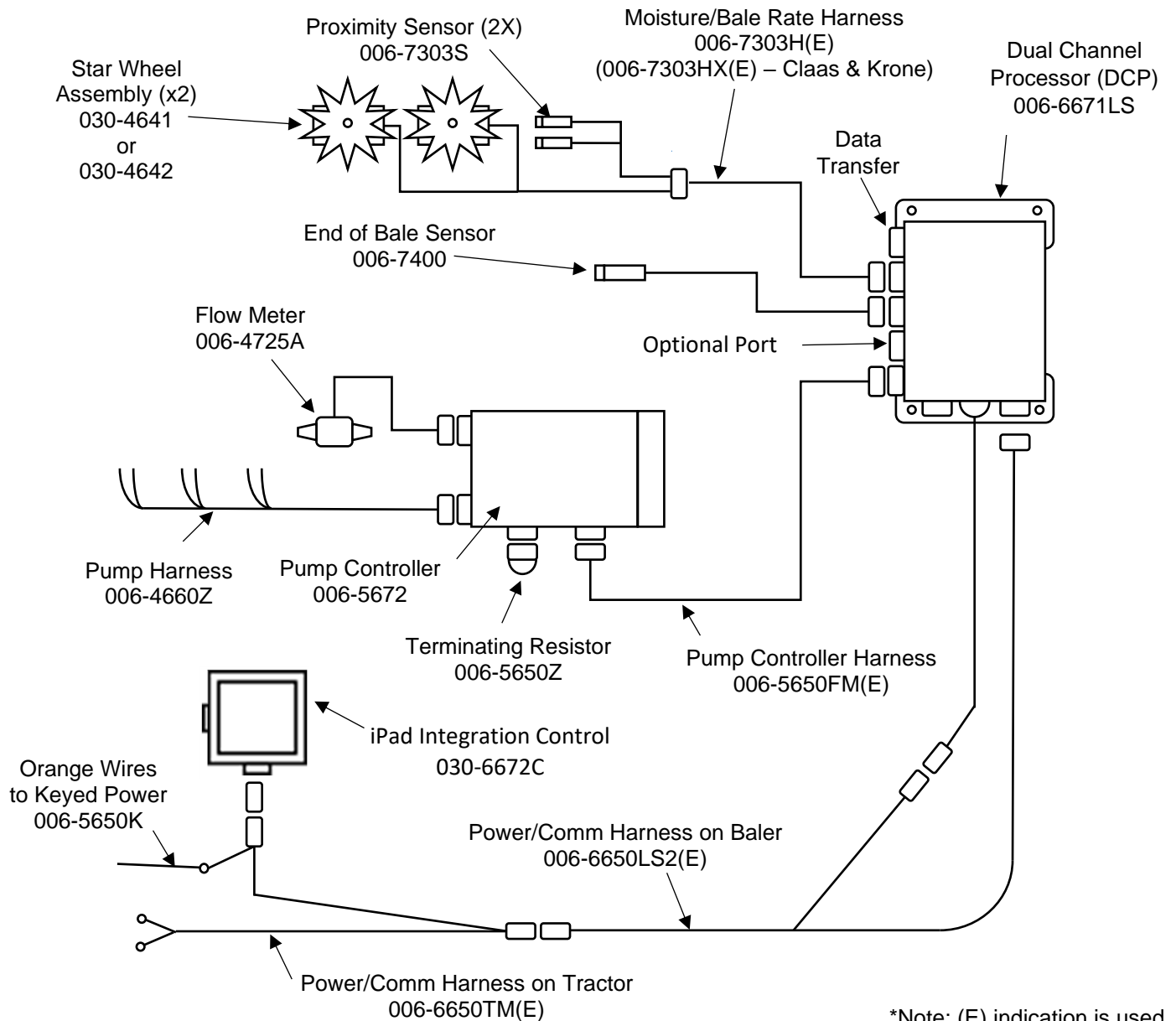
1. The **Baler Power/Communication Harness** (006-6650LS2(E)) will attach to the open port of the Tractor **Harness** (006-6650TM(E)) and run back to the **Dual Channel Processor** (006-6671LS). Connect the large plug of the Baler Power/Communication Harness (006-6650LS) to the bottom (shorter side) of the DCP.
2. Install green terminator (006-5650Z) to the port labeled **Modular Port** on the Pump Controller (006-5672).
3. Attach moisture and bale rate harness 006-7303H(E) (Claas & Krone kits 006-7303HX(E)) as well as the end of bale harness (006-7400) to the DCP (006-6671LS).
4. Attach the Pump Control Harness (006-5650FM(E)) between the Pump Controller (006-5672) and the DCP (006-6671LS).
5. Connect the orange wires and attach the plug to the tractor's ISOBUS port.
6. If using the optional ISOBUS harness (006-6650VAK) connect one end to the Communication Harness from the DCP and the Power Comm Harness (006-6650LS(E)). The opposite end of the 6650VAK with deuths connections will connect into a 4 pin terminator on the left side of the baler above the baler ECU.
7. Connect the orange keyed power wires (006-5650K) and attach the plug to the tractor's ISOBUS port.



\*Note: (E) indication is used for International Dealers

## Wiring Diagram

1. The **Baler Power/Communication Harness** (006-6650LS2(E)) will attach to the open port of the **Tractor Harness** (006-6650TM(E)) and run back to the **Dual Channel Processor** (006-6671LS). Connect the large plug of the Baler Power/Communication Harness (006-6650LS) to the bottom (shorter side) of the DCP.
2. Install green terminator (006-5650Z) to the port labeled **Modular Port** on the Pump Controller (006-5672).
3. Attach moisture and bale rate harness 006-7303H(E) (Claas & Krone kits 006-7303HX(E)) as well as the end of bale harness (006-7400) to the DCP (006-6671LS).
4. Attach the Pump Control Harness (006-5650FM(E)) between the Pump Controller (006-5672) and the DCP (006-6671LS).
5. Connect the orange wires and attach the plug to the tractor's ISOBUS port.
6. If using the optional ISOBUS connector (006-6670A) connect the end to the Communication Harness (006-6650TM(E)) in place of the iPad Integration Control (030-6672C) shown below.
7. Connect the orange keyed power wires (006-5650K) and attach the plug to the tractor's ISOBUS port.



\*Note: (E) indication is used for International Dealers

\*Claas 3200-3400 balers will have star wheel assembly 030-4642 for mounting on side of bale chamber

## Pin Outs

### Power/Comm Harness 006-6650TM at Hitch

|        |        |                   |
|--------|--------|-------------------|
| Pin 1  | Red    | +12V Power to TSD |
| Pin 2  | Red    | +12V Power to DCP |
| Pin 3  | Orange | Keyed Power       |
| Pin 4  | Gray   | Shield            |
| Pin 5  | Green  | HT Can Low        |
| Pin 6  | Yellow | HT Can Hi         |
| Pin 7  | Orange | Can1 Hi           |
| Pin 8  | Black  | Ground from TSD   |
| Pin 9  | Black  | Ground from DCP   |
| Pin 10 | Blue   | Can1 Low          |



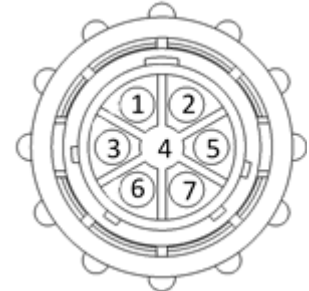
### Power/Comm Harness 006-6650LS2 at Hitch

|        |        |                   |
|--------|--------|-------------------|
| Pin 1  | Red    | +12V Power to TSD |
| Pin 2  | Red    | +12V Power to DCP |
| Pin 3  | Orange | Keyed Power       |
| Pin 4  | Gray   | Shield            |
| Pin 5  | Green  | HT Can Low        |
| Pin 6  | Yellow | HT Can Hi         |
| Pin 7  | Orange | Can1 Hi           |
| Pin 8  | Black  | Ground from TSD   |
| Pin 9  | Black  | Ground from DCP   |
| Pin 10 | Blue   | Can1 Low          |



### iPad Integration Control / BLE on Harness 006-6650TM

|       |        |                     |
|-------|--------|---------------------|
| Pin 1 | Red    | +12V Power from DCP |
| Pin 2 | Black  | Ground from TSD     |
| Pin 3 | Yellow | HT Can Low          |
| Pin 4 | Gray   | Shield              |
| Pin 5 | Green  | HT Can Hi           |
| Pin 6 | Orange | Can1 Hi             |
| Pin 7 | Blue   | Can1 Low            |



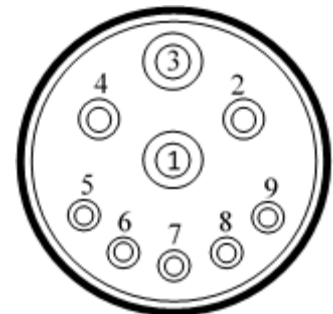
### ISOBUS Plug Baler Side

|       |        |                    |
|-------|--------|--------------------|
| Pin 1 |        | N/A                |
| Pin 2 |        | N/A                |
| Pin 3 |        | 120 OHM with Pin 5 |
| Pin 4 |        | N/A                |
| Pin 5 |        | 120 OHM with Pin 3 |
| Pin 6 | Orange | Can1 Hi            |
| Pin 7 | Blue   | Can1 Low           |



### ISOBUS Plug Tractor Side

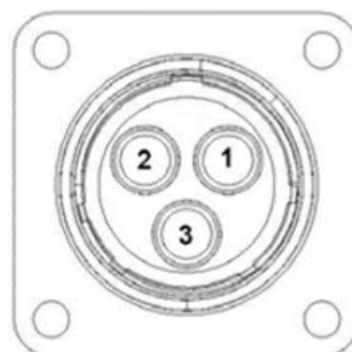
|              |                          |
|--------------|--------------------------|
| Pin 1        | N/A                      |
| Pin 2        | N/A                      |
| Pin 3        | +12V Keyed Tractor Power |
| Pin 4        | N/A                      |
| Pin 5        |                          |
| Pin 6        | N/A                      |
| Pin 7        | N/A                      |
| Pin 8 Orange | Can1 Hi                  |
| Pin 9 Blue   | Can1 Low                 |



## Pin Outs (continued)

### Main Power Connector on DCP

|       |        |                         |
|-------|--------|-------------------------|
| Pin 1 | Red    | +12V Power from tractor |
| Pin 2 | Black  | Ground from tractor     |
| Pin 3 | Orange | Keyed power             |



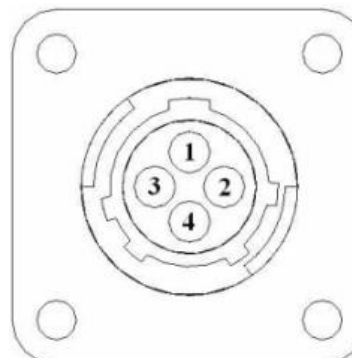
### Star Wheel and Bale Rate Sensor connector on DCP

|       |        |                     |
|-------|--------|---------------------|
| Pin 1 | Blue   | +12V Power          |
| Pin 2 | Orange | Ground              |
| Pin 3 | Black  | Signal for sensor 1 |
| Pin 4 | White  | Signal for sensor 2 |
| Pin 5 | N/A    |                     |
| Pin 6 | N/A    |                     |
| Pin 7 | N/A    |                     |
| Pin 8 | Violet | Star wheel input 1  |
| Pin 9 | Brown  | Star wheel input 2  |



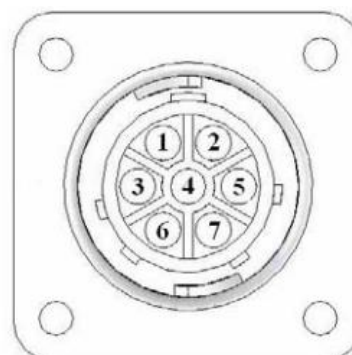
### End of Bale sensor on DCP

|       |       |                    |
|-------|-------|--------------------|
| Pin 1 | Brown | Sensor Power       |
| Pin 2 | Blue  | Sensor Ground      |
| Pin 3 | N/A   |                    |
| Pin 4 | Black | Signal from Sensor |



### Pump Connection Colors

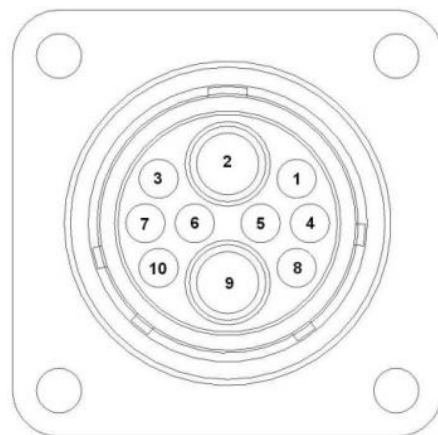
|       |                          |                 |
|-------|--------------------------|-----------------|
| Pin 1 | Black with Orange Stripe | Pump 1 Ground   |
| Pin 2 | Black with Green Stripe  | Pump 2 Ground   |
| Pin 3 | Black with Yellow Stripe | Pump 3 Ground   |
| Pin 4 | N/A                      |                 |
| Pin 5 | Orange with Black Stripe | Pump 1 Positive |
| Pin 6 | Green with Black Stripe  | Pump 2 Positive |
| Pin 7 | Yellow with Black Stripe | Pump 3 Positive |



## Pin Outs (continued)

### Pump Communication Plug on DCP

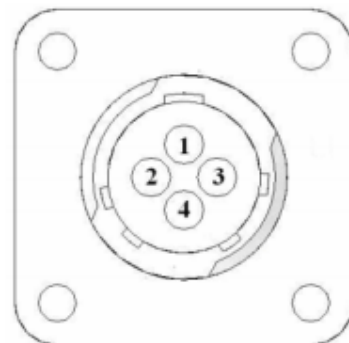
|        |        |                 |
|--------|--------|-----------------|
| Pin 1  | Red    | +12V Can        |
| Pin 2  | Red    | +12V Power      |
| Pin 3  | Gray   | Shield          |
| Pin 4  | Green  | Comm Channel OH |
| Pin 5  | Yellow | Comm Channel OL |
| Pin 6  | Blue   | Comm Channel IH |
| Pin 7  | Orange | Comm Channel IL |
| Pin 8  | Black  | Can Ground      |
| Pin 9  | Black  | Power Ground    |
| Pin 10 | N/A    |                 |



### Flow Meter Connection on Pump Controller

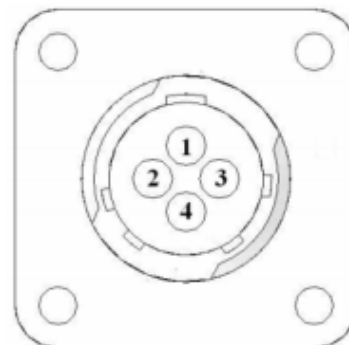
|       |       |                    |
|-------|-------|--------------------|
| Pin 1 | White | 5 – 12V (+) Supply |
| Pin 2 | Green | Ground             |
| Pin 3 | Brown | Signal             |
| Pin 4 | Black | Shield             |

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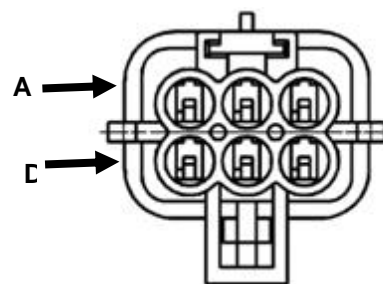
### Connector for Crop Eyes on DCP

|       |       |            |
|-------|-------|------------|
| Pin 1 | Red   | +12V Power |
| Pin 2 | Black | Ground     |
| Pin 3 | White | Signal     |
| Pin 4 | N/A   |            |



### 006-6650VAJ Harness to Baler Plug

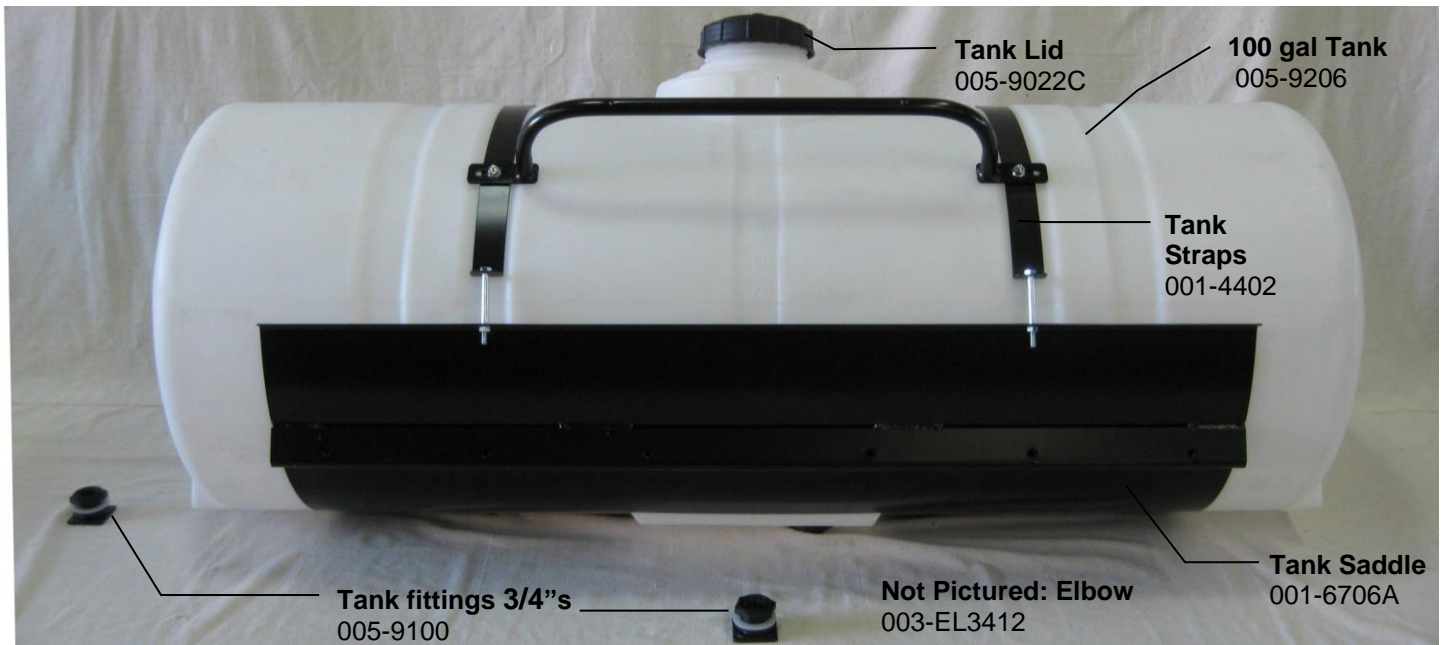
|       |        |            |
|-------|--------|------------|
| Pin A | N/A    |            |
| Pin B | Red    | TBC Power  |
| Pin C | N/A    |            |
| Pin D | Gray   | TBC Ground |
| Pin E | Orange | Can1 Hi    |
| Pin F | Blue   | Can1 Low   |





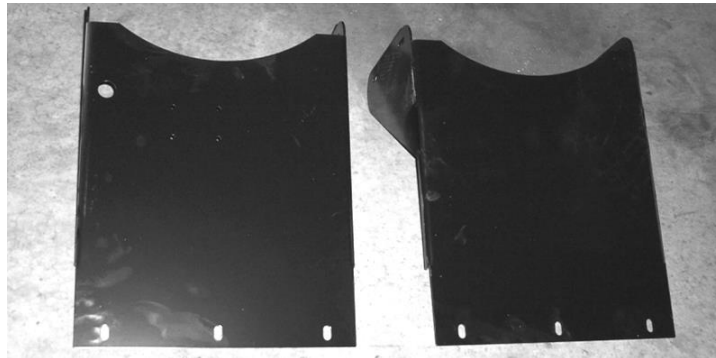
## Parts Breakdown Tank, Saddle & Legs 100 Gallon

Vermeer, Claas, and Krone Balers with 100 gallon tank



### Vermeer, Claas and Krone Balers Saddle Legs

Part#: 001-6706V



### Claas 3300 Saddle Legs

Part #: 001-6706C



## Tank, Saddle and Legs 110 Gallon



**Tank Lid**  
Part#: 005-9022E  
or 005-9208L

**Tank-110 gallon**  
Part#: 005-9208

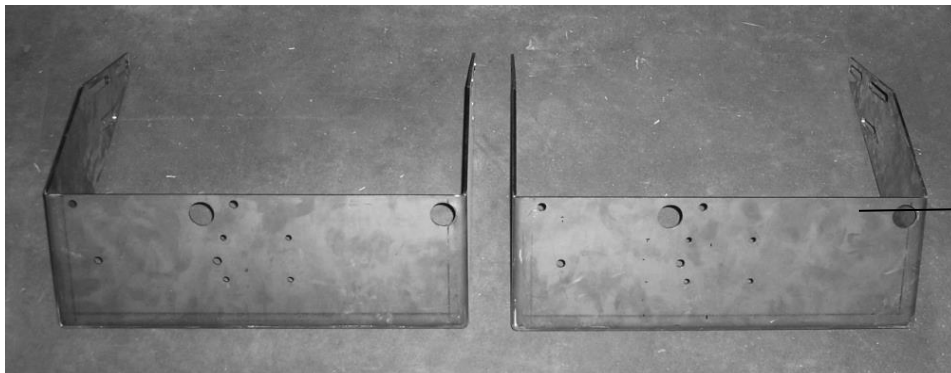
**Hand Rail**  
Part#: 001-6707HR

**Tank Straps**  
Part#: 001-4402B

**Tank Saddle**  
Part#: 001-6707A

**Tank Fitting**  
Part#: 005-9100

**Not Pictured: Elbow**  
Part#:003-EL3412



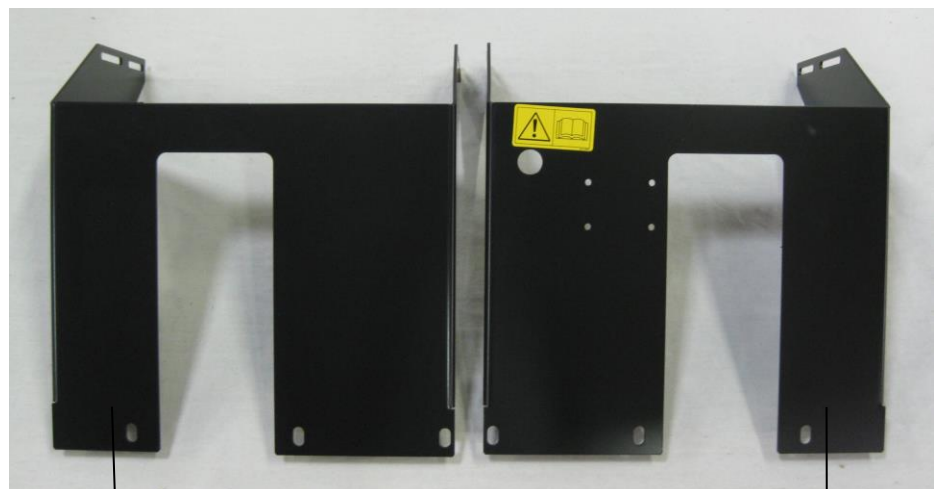
**Agco, Hesston, Massey & Challenger Saddle Legs**

Part#: 001-6707C

**New Holland BB940A, BB960A,  
Case IH LBX 332, LBX 432 Series  
Saddle Legs**

**Not Pictured:**  
Vicon Leg Spacers:  
Part#: 001-6707BS (x2)

Handrail:  
Part#: 001-6707HR (x1)



**Left Leg** Part#:001-6707BL  
(2010 and older 4 ft wide)

**Right Leg** Part #:001-6707BR  
(2010 and older 4 ft wide)

## Tank, Saddle and Legs 110 Gallon (continued)

**New Holland BB940A, BB960A,  
Case IH LBX 332, LBX 432 Series  
Saddle Legs**

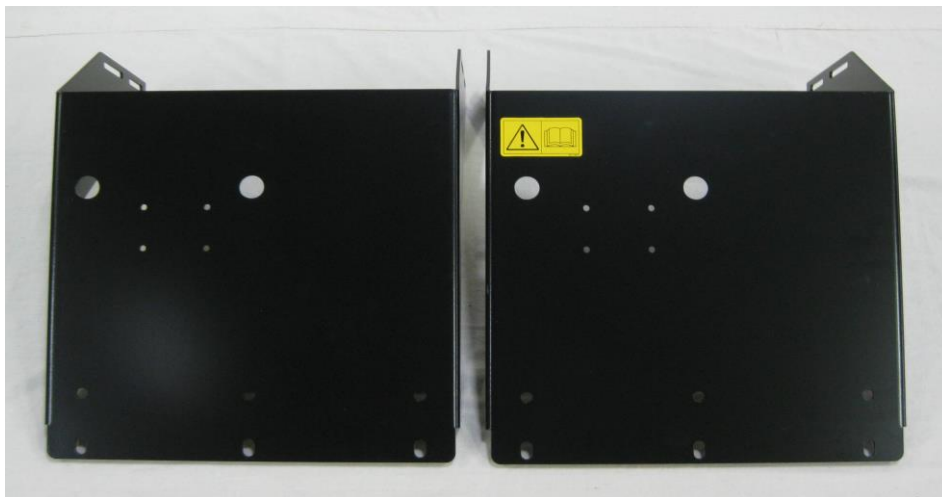


**Left Leg** Part#: 001-6707DL  
(2011 and newer 4 ft wide)

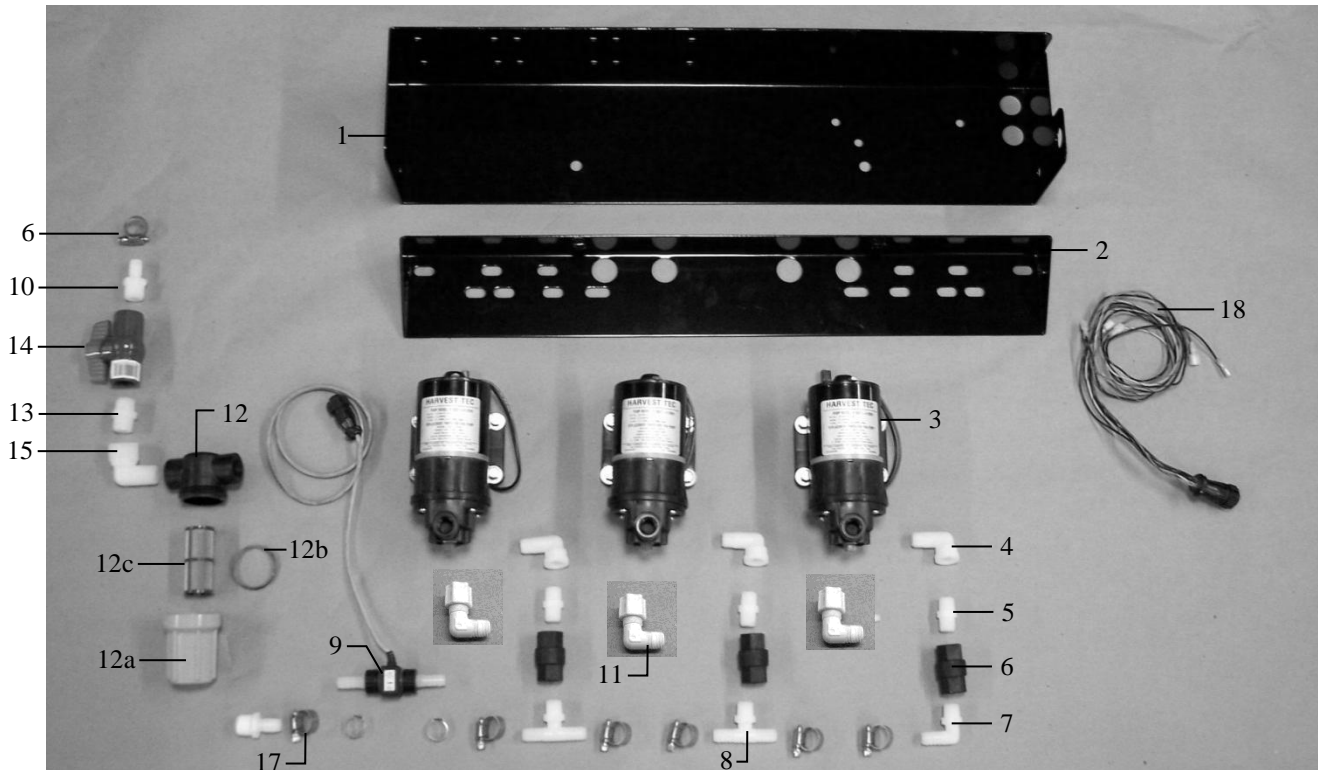
**Right Leg** Part #: 001-6707DR  
(2011 and newer 4 ft wide)

## Krone Balers

Part#: 001-6707KA

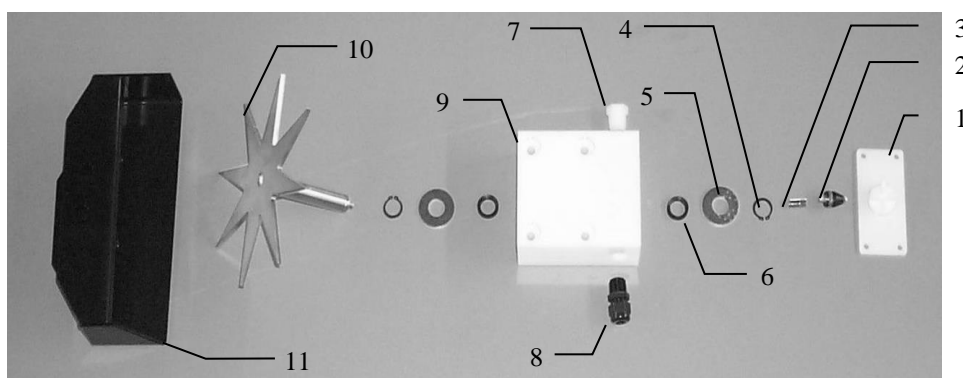


## Parts Breakdown for Pump Manifold

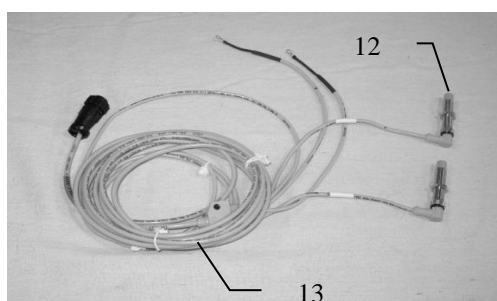


| <u>Ref#</u> | <u>Description</u>            | <u>Part#</u> | <u>Qty</u> |
|-------------|-------------------------------|--------------|------------|
| 1           | Pump plate                    | 001-4646D    | 1          |
| 2           | Mounting Bracket              | 001-4646C    | 1          |
| 3           | Pump                          | 007-4120H    | 3          |
| 4           | Street elbow fitting          | 003-SE38     | 3          |
| 5           | Nipple fitting                | 003-M3838    | 3          |
| 6           | Check valve                   | 002-4566F    | 3          |
| 7           | Elbow fitting                 | 003-EL3812   | 1          |
| 8           | Tee fitting                   | 003-T3812HB  | 2          |
| 9           | Flow meter assembly           | 006-4725A    | 1          |
| 10          | Straight fitting              | 003-A1212    | 2          |
| 11          | Jaco fitting                  | 003-JEL1238  | 3          |
| 12          | Filter bowl assembly          | 002-4315-100 | 1          |
| 12a         | Filter bowl only              | 002-4315F    | 1          |
| 12b         | Filter bowl gasket            | 002-4315D    | 1          |
| 12c         | Filter bowl screen            | 002-4315A    | 1          |
| 13          | Nipple fitting                | 003-M1212    | 1          |
| 14          | Ball valve                    | 002-2212     | 1          |
| 15          | Street elbow fitting          | 003-SE12     | 1          |
| 16          | Hose clamp                    | 003-9003     | 7          |
| 17          | Hose clamp (Flow Meter)       | 003-9005     | 2          |
| 18          | Pump Cable                    | 006-4660Z    | 1          |
| NP          | Elbow                         | 003-EL1212   | 1          |
| NP          | Pump rebuild kit (1 per pump) | 007-4581     | 1          |
|             | Complete Pump Assembly        | 030-4646     |            |

## Parts Breakdown for Star Wheel Moisture Sensors

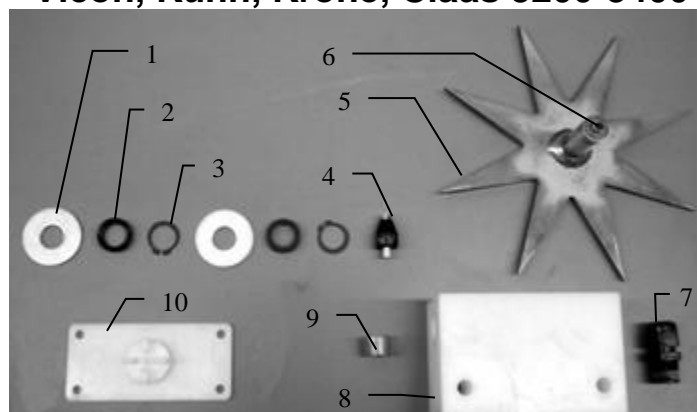


| Ref | Description          | Part#       | Qty | Ref  | Description              | Part#     | Qty |
|-----|----------------------|-------------|-----|------|--------------------------|-----------|-----|
| 1   | Block cover          | 006-4641B   | 2   | 9    | Star wheel block         | 006-4641A | 2   |
| 2   | Electronic swivel    | 006-4642A   | 2   | 10   | Star wheel sensor        | 030-4641C | 2   |
| 3   | Swivel insert        | w/ Ref # 10 | 2   | 11   | Twine guard-left         | 001-4645  | 1   |
| 4   | Snap ring (per side) | 006-4641K   | 2   |      | Twine guard-right (prox) | 001-4644  | 1   |
| 5   | Washer (per side)    | w/006-4641K | 2   |      |                          |           | 1   |
| 6   | Dust seal (per side) | w/006-4641K | 2   |      |                          |           | 1   |
| 7   | Plug fitting         | 003-F38     | 2   | 1-10 | Star wheel assembly      | 030-4641  | 2   |
| 8   | Wiring grommet       | 008-0821A   | 2   |      |                          |           |     |



| Ref | Description                    | Part#      | Qty |
|-----|--------------------------------|------------|-----|
| 12  | Bale rate sensor               | 006-7303S  | 2   |
| 13  | Moisture and bale rate harness | 006-7303H  | 1   |
|     | Claas & Krone                  | 006-7303HX |     |
|     | Complete Assembly              | 006-7202   |     |

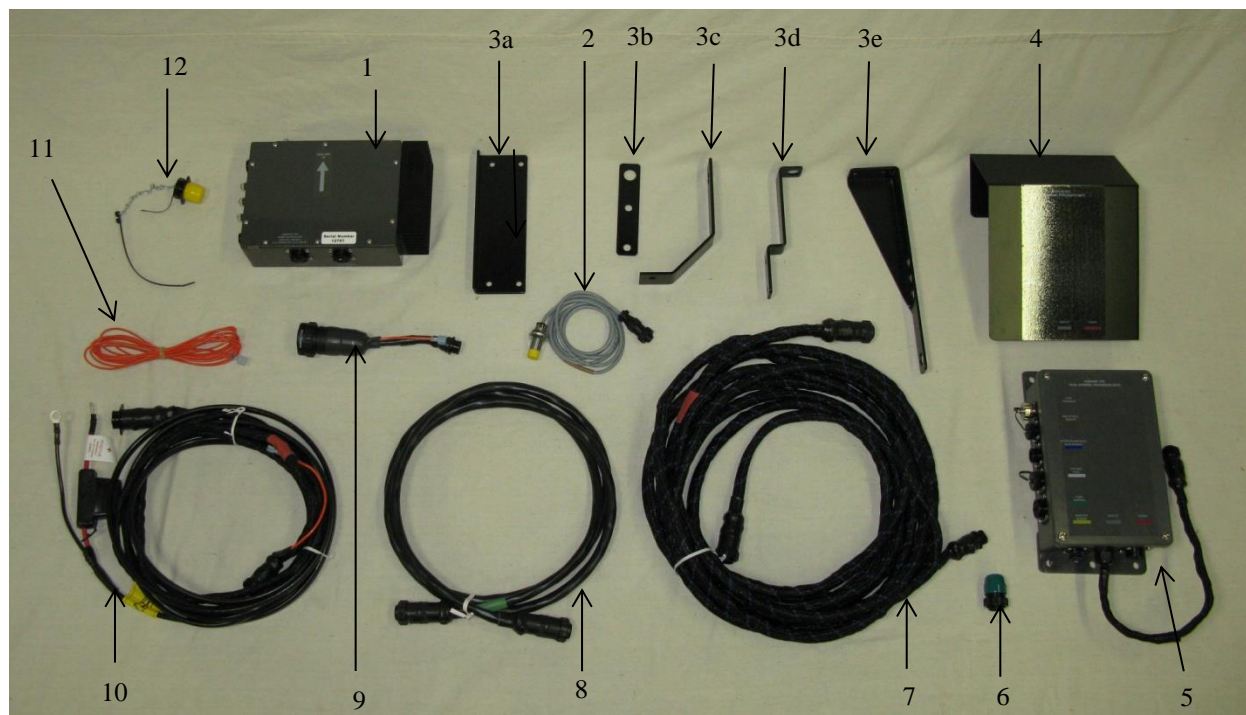
## Vicon, Kuhn, Krone, Claas 3200-3400



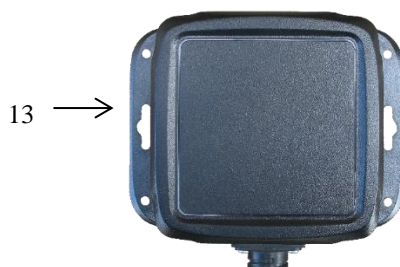
| Ref | Description          | Part#       | Qty | Ref  | Description                | Part#     | Qty |
|-----|----------------------|-------------|-----|------|----------------------------|-----------|-----|
| 1   | Washer (per side)    | 006-4642K   | 2   | 8    | Star wheel block           | 006-4641A | 2   |
| 2   | Dust seal (per side) | w/006-4642K | 1   | 9    | Plug fitting               | 003-F38   | 2   |
| 3   | Snap ring (per side) | w/006-4642K | 2   | 10   | Block Cover                | 006-4641B | 2   |
| 4   | Swivel               | 006-4642A   | 2   | 1-10 | Star wheel assembly        | 030-4642  | 2   |
| 5   | Star wheel           | 030-4641E   | 2   | NP   | Twine guard – right (prox) | 001-4644  | 1   |
| 6   | Insert               | w/ Ref # 5  | 2   | NP   | Twine guard – left         | 001-4645  | 1   |
| 7   | Wiring grommet       | 008-0821A   | 2   |      |                            |           |     |



## Parts Breakdown for 696 Series Control and Harnesses Dual Channel Processor (DCP)

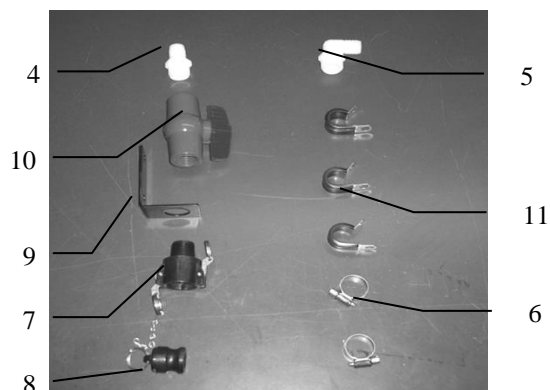
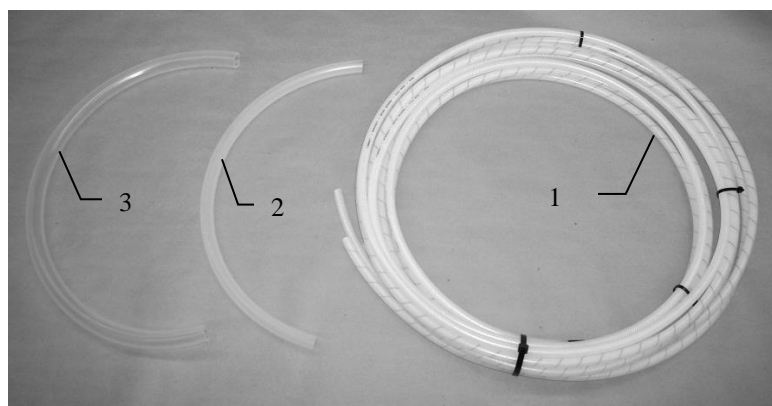


| <u>Ref</u> | <u>Description</u>                          | <u>Part Number</u> | <u>Qty</u> |
|------------|---|--------------------|------------|
| 1          | Pump Controller                             | 006-5672           | 1          |
| 2          | End of Bale Sensor                          | 006-7400           | 1          |
| 3a         | Hesston 4755, 4910 EOB Mount                | 001-4648H          | 1          |
| 3b         | EOB Bracket CLAAS 3300                      | 001-4648C          | 1          |
| 3c         | Krone EOB Bracket                           | 001-4648K2         | 1          |
| 3d         | EOB BKT Krone 12130                         | 001-4648K          | 1          |
| 3e         | End of Bale Sensor Bracket                  | 001-4648           | 1          |
| 4          | DCP Shield Cover                            | 001-5650X          | 1          |
| 5          | DCP Main Control LS 600 AUTO                | 006-6671LS         | 1          |
| 6          | Terminating Connector w Green Cap           | 006-5650Z          | 1          |
| 7          | DCP Baler Harness 30 Ft                     | 006-6650LS2        | 1          |
| 8          | Modular Power/Comm 10 Ft Harness            | 006-5650FM         | 1          |
| 9          | Optional ISOBUS Tractor Plug (not included) | 006-6670A          | 1          |
| 10         | DCP Tractor Harness                         | 006-6650TM         | 1          |
| 11         | Key Switch Wire                             | 006-5650K          | 1          |
| 12         | Dust Plugs                                  | 006-5651PLUGS      | 1          |
| 13         | iPad Integration Control                    | 030-6672C          | 1          |
| NP         | Krone Integration Harness (optional)        | 006-6650VAK        | 1          |
| NP         | USB Cable                                   | 006-6672USBC       | 1          |



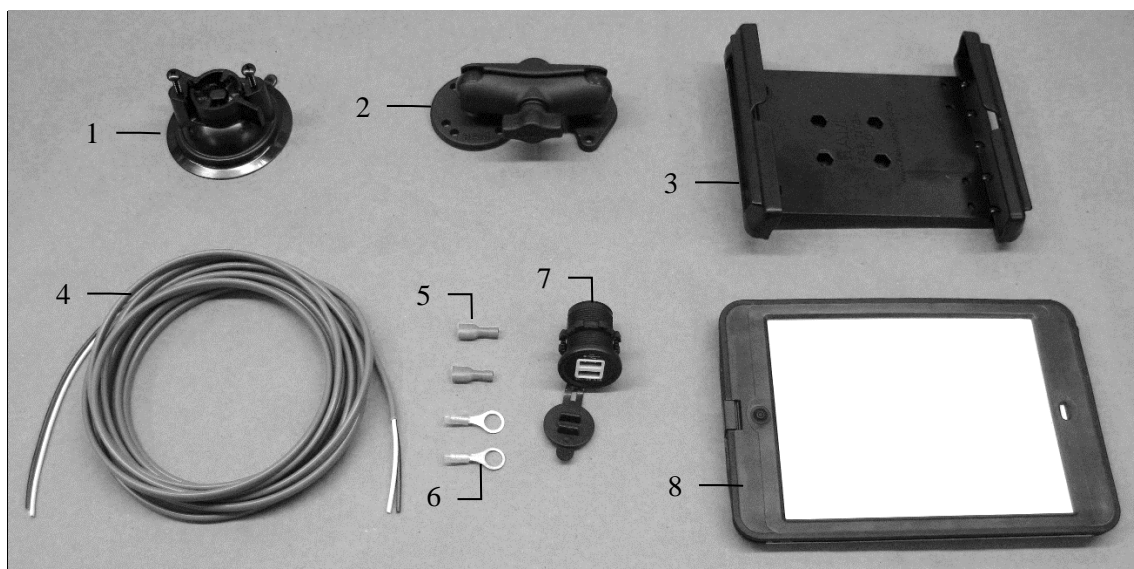


## Parts Breakdown for Hose and Drain Fill Line



| <u>Ref</u> | <u>Description</u>                   | <u>Part#</u> | <u>Qty</u> | <u>Ref</u> | <u>Description</u> | <u>Part#</u> | <u>Qty</u> |
|------------|--------------------------------------|--------------|------------|------------|--------------------|--------------|------------|
| 1          | Triple weld hose (pumps to tips)     | 002-9016     | 35ft       | 7          | Female Coupler     | 002-2204A    | 1          |
|            |                                      | 002-9016B    | 35ft       | 8          | Male Coupler       | 002-2205G    | 1          |
|            |                                      | 002-9016G    | 35ft       | 9          | Valve Holder       | 001-6702H    | 1          |
|            | Three hose assembly                  | 030-9016LS   | 1          | 10         | Ball valve         | 002-2200     | 1          |
| 2          | 1/2" Hose (tank to filter)           | 002-9001     | 6ft        | 11         | Jiffy Clip         | 008-9010     | 3          |
| 3          | 3/4" Hose (tank to drain/fill valve) | 002-9002     | 10ft       |            |                    |              |            |
| 4          | Straight Fitting                     | 003-A3434    | 1          |            |                    |              |            |
| 5          | Elbow                                | 003-EL3434   | 1          |            |                    |              |            |
| 6          | Hose Clamps                          | 003-9004     | 2          |            |                    |              |            |

## Optional iPad Mini Mounting Kit (030-2014MK)



| <u>Ref</u> | <u>Description</u>                     | <u>Part #</u> | <u>Qty</u> |
|------------|--|---------------|------------|
| 1          | Suction cup mount                      | 001-2012SCM   | 1          |
| 2          | Ram mount                              | 001-2012H     | 1          |
| 3          | iPad Mini® spring load cradle (Mini 4) | 001-2012SLC   | 1          |
| 4          | 16 gauge power wire                    | 006-4723P     | 1          |
| 5          | Female spade connector                 | Hardware      | 2          |
| 6          | Eye loop connector                     | Hardware      | 2          |
| 7          | iPad Mini Charger 12V                  | 001-2012P     | 1          |
| 8          | iPad Mini 4 case                       | 001-2012C4    | 1          |
| NP         | 4 amp fuse                             | Hardware      | 1          |

Mounting Kit Assembly

030-2014MK  
(Includes All Parts)

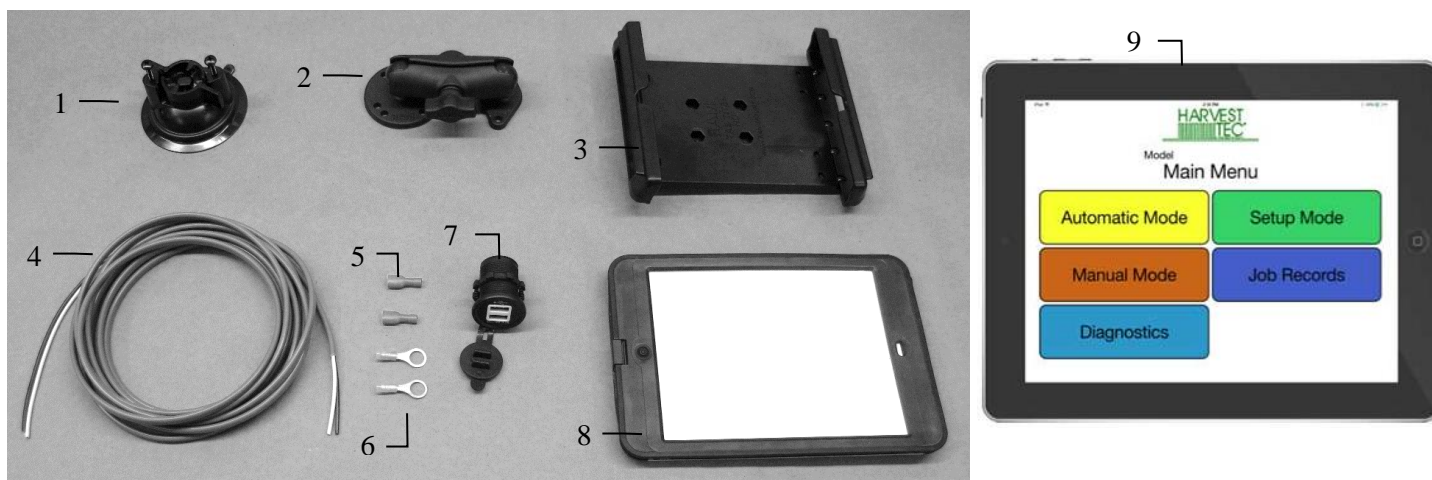
### Installation Instructions

- Identify 12V power source for wires to connect.
  - Eye loops included if wiring directly to the battery is desired.
  - Test for key power source if preferred to have power to the USB shut off with the key.
- Once power source is identified, cut wires to desired length.
- Crimp the two supplied quick connectors onto each the white and black wire.
- Remove the round locking plastic nut from USB plug before connecting the wires. Black (+) White (-).
- The wires will then be hooked to the designated terminals on the bottom of the USB plug
- Drill a 1 1/8" hole in the preferred mounting location. Be sure to clean any sharp edges after drilling.
- Feed the wires through the mounting hole.
- If using the round plastic nut to secure plug in place, slide the nut back over the wiring before connecting the wires to powered source.
- Connect the wires to the identified power source if easier to do so before tightening the plug into place.
- Tighten plug using either the round plastic nut or mounting plate and two screws, both options supplied.
- Once connected, hook a USB charging cord into the plug and connect a mobile device/tablet to ensure the plug is operating as you wish (key power working properly if necessary).

NOTE: This plug is not designed to charge two iPads. System damage could occur if this is attempted.  
System will charge a mobile phone and iPad simultaneously without problem.

\*iPad mini is a trademark of Apple Inc., registered in the U.S. and other countries.

## Optional iPad Display Kit (030-4670DK)



| Ref | Description                            | Part #      | Qty | Ref | Description           | Part #                             | Qty |
|-----|--|-------------|-----|-----|-----------------------|------------------------------------|-----|
| 1   | Suction cup mount                      | 001-2012SCM | 1   | 7   | iPad Mini Charger 12V | 001-2012P                          | 1   |
| 2   | Ram mount                              | 001-2012H   | 1   | 8   | iPad Mini 4 case      | 001-2012C4                         | 1   |
| 3   | iPad Mini® spring load cradle (Mini 4) | 001-2012SLC | 1   | 9   | iPad Mini 4           | 006-4670IP                         | 1   |
| 4   | 16 gauge power wire                    | 006-4723P   | 1   | NP  | 4 amp fuse            | Hardware                           | 1   |
| 5   | Female spade connector                 | Hardware    | 2   |     |                       |                                    |     |
| 6   | Eye loop connector                     | Hardware    | 2   |     |                       |                                    |     |
|     |  |             |     |     | Mounting Kit Assembly | 030-4670DK<br>(Includes All Parts) |     |

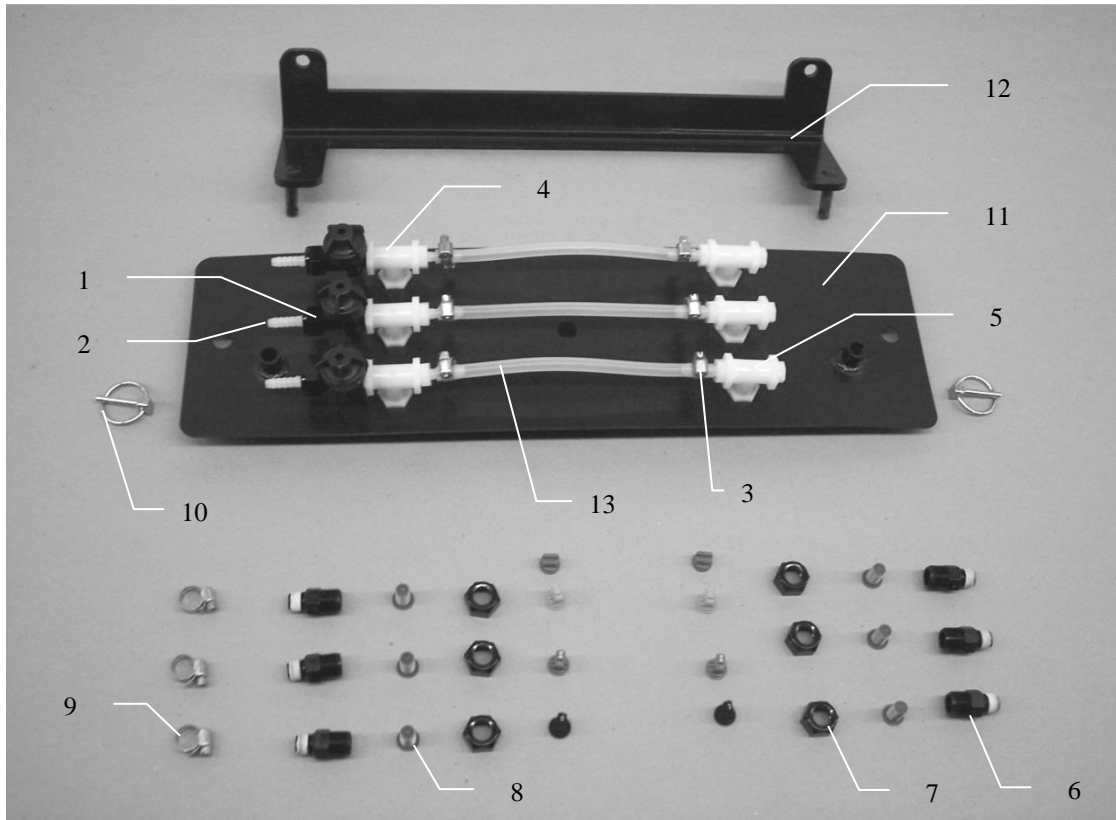
### Installation Instructions

- Identify 12V power source for wires to connect.
  - Eye loops included if wiring directly to the battery is desired.
  - Test for key power source if preferred to have power to the USB shut off with the key.
- Once power source is identified, cut wires to desired length.
- Crimp the two supplied quick connectors onto the white and black wire.
- Remove the round locking plastic nut from USB plug before connecting the wires. Black (+) White (-).
- The wires will then be hooked to the designated terminals on the bottom of the USB plug
- Drill a 1 1/8" hole in the preferred mounting location. Be sure to clean any sharp edges after drilling.
- Feed the wires through the mounting hole.
- If using the round plastic nut to secure plug in place, slide the nut back over the wiring before connecting the wires to powered source.
- Connect the wires to the identified power source if easier to do so before tightening the plug into place.
- Tighten plug using either the round plastic nut or mounting plate and two screws, both options supplied.
- Once connected, hook a USB charging cord into the plug and connect a mobile device/tablet to ensure the plug is operating as you wish (key power working properly if necessary).

**NOTE: This plug is not designed to charge two iPads. System damage could occur if this is attempted. System will charge a mobile phone and iPad simultaneously without problem.**

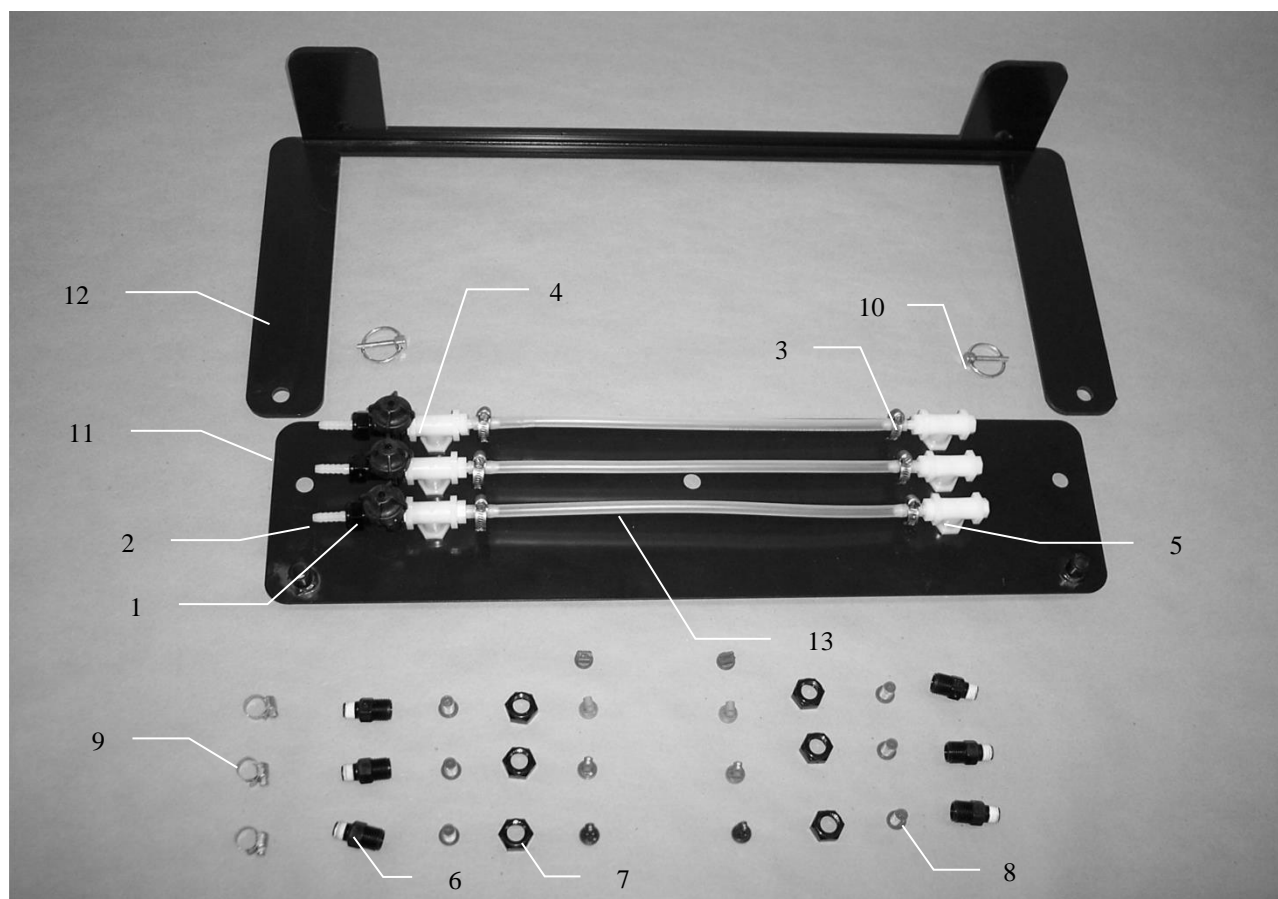
\*iPad mini is a trademark of Apple Inc., registered in the U.S. and other countries.

## 4438B Installation Kit



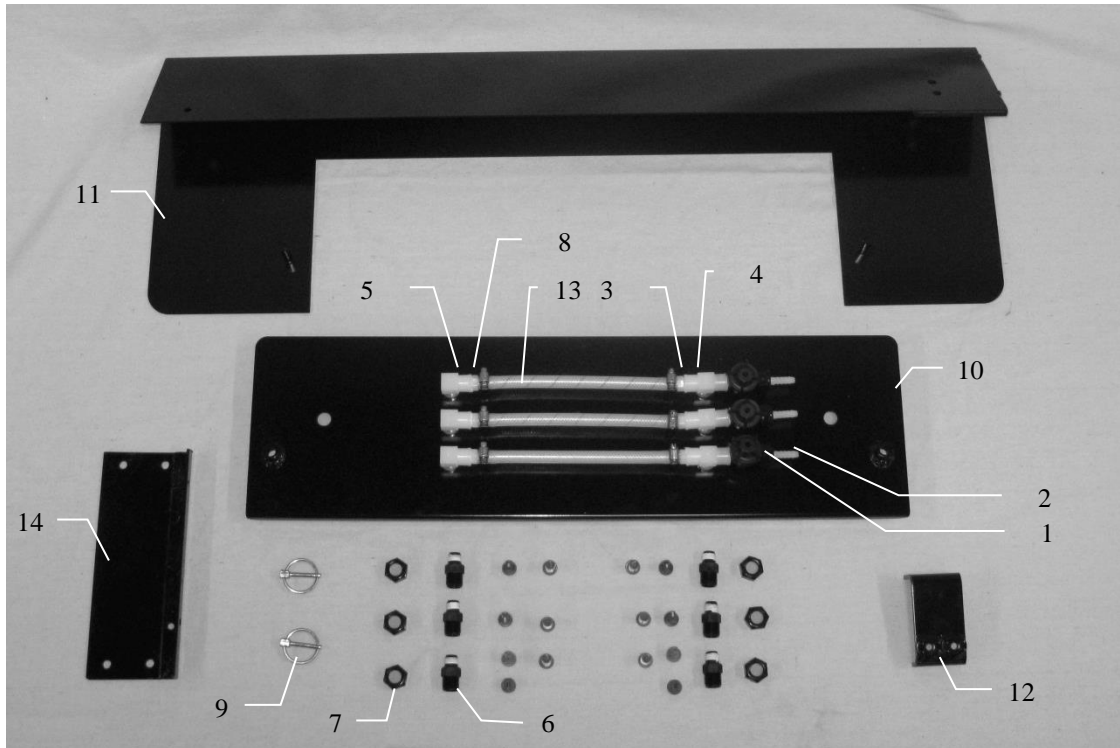
| <u>Ref</u> | <u>Description</u> | <u>Part #</u> | <u>Qty</u> | <u>Description</u>            | <u>Part #</u>  | <u>Qty</u> |
|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve        | 004-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting   | 003-A1414VB   | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting   | 003-A1414     | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                | 003-TT14SQ    | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow       | 003-SE14F     | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body        | 004-4722      | 6          |                               |                |            |
| 7          | Nozzle cap         | 004-4723      | 9          |                               |                |            |
| 8          | Tip strainer       | 004-1203-100  | 6          |                               |                |            |
| 9          | Hose clamp         | 003-9002      | 9          |                               |                |            |
| 10         | Lynch pin          | 008-4576      | 2          |                               |                |            |
| 11         | Spray shield       | 001-4438A     | 1          |                               |                |            |
| 12         | Mounting bracket   | 001-4438B     | 1          |                               |                |            |
| 13         | Hose – 1/4"        | 002-9016      | 3ft        |                               |                |            |

## 4439B Installation Kit



| <b>Ref</b> | <b>Description</b> | <b>Part #</b> | <b>Qty</b> | <b>Description</b>            | <b>Part #</b>  | <b>Qty</b> |
|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve        | 004-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting   | 003-A1414VB   | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting   | 003-A1414     | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                | 003-TT14SQ    | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow       | 003-SE14F     | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body        | 004-4722      | 6          |                               |                |            |
| 7          | Nozzle cap         | 004-4723      | 9          |                               |                |            |
| 8          | Tip strainer       | 004-1203-100  | 6          |                               |                |            |
| 9          | Hose clamp         | 003-9002      | 9          |                               |                |            |
| 10         | Lynch pin          | 008-4576      | 2          |                               |                |            |
| 11         | Spray shield       | 001-4439A     | 1          |                               |                |            |
| 12         | Mounting bracket   | 001-4439B     | 1          |                               |                |            |
| 13         | Hose – 1/4"        | 002-9016      | 3          |                               |                |            |

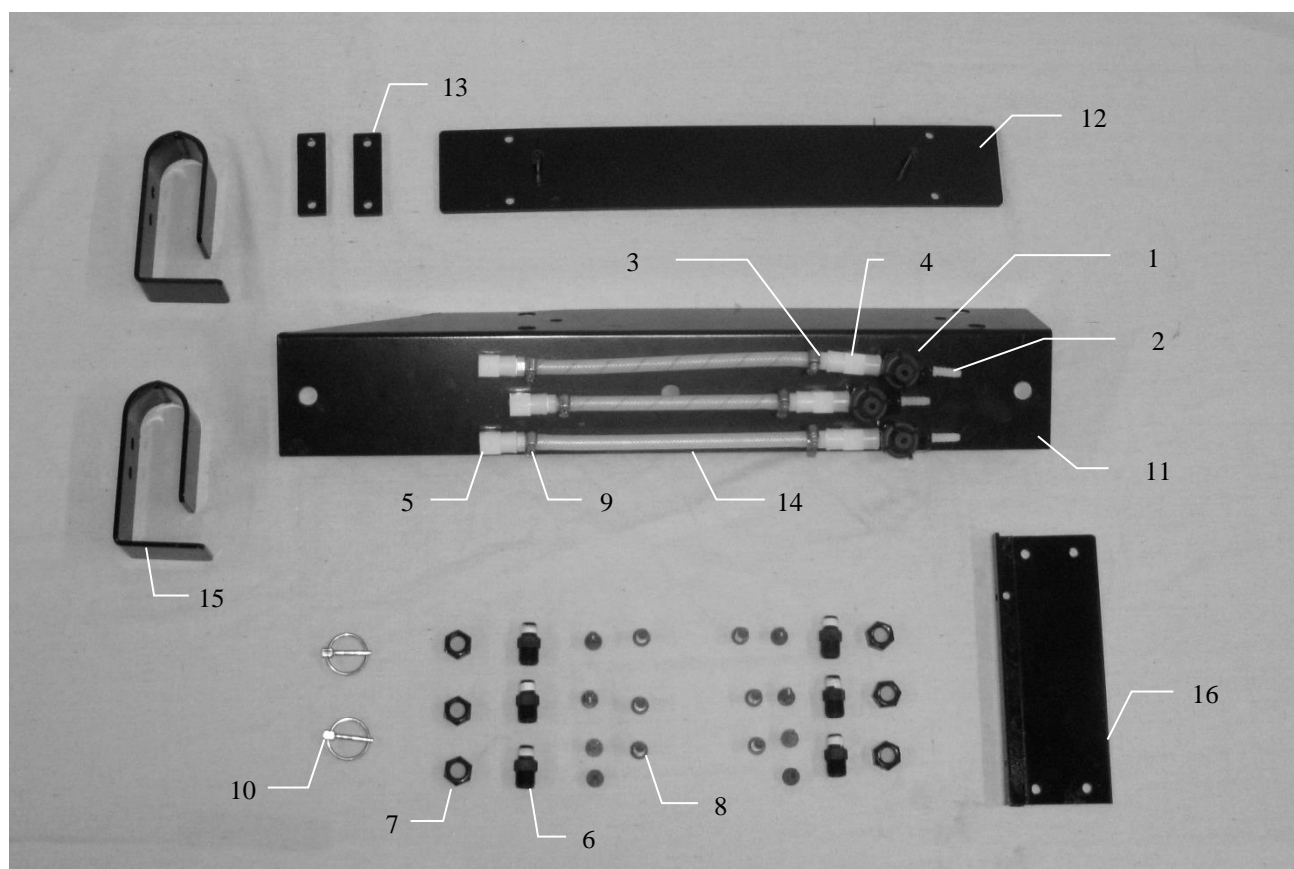
## 4490B Installation Kit



| <u>Ref</u> | <u>Description</u> | <u>Part #</u> | <u>Qty</u> | <u>Description</u>            | <u>Part #</u>  | <u>Qty</u> |
|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve        | 004-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting   | 003-A1414VB   | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting   | 003-A1414     | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                | 003-TT14SQ    | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow       | 003-SE14F     | 3          | Tip strainer                  | 004-1203-100   | 6          |
| 6          | Nozzle body        | 004-4722      | 6          | * Tip color subject to change |                |            |
| 7          | Nozzle cap         | 004-4723      | 9          |                               |                |            |
| 8          | Hose clamp         | 003-9002      | 9          |                               |                |            |
| 9          | Lynch pin          | 008-4576      | 2          |                               |                |            |
| 10         | Spray shield       | 001-4421      | 1          |                               |                |            |
| 11         | Shield holder      | 001-4421B     | 1          |                               |                |            |
| 12         | Backing plate      | 001-4421A     | 1          |                               |                |            |
| 13         | Hose – 1/4"        | 002-9016      | 3ft        |                               |                |            |
| 14         | End of bale mount  | 001-4648H     | 1          |                               |                |            |

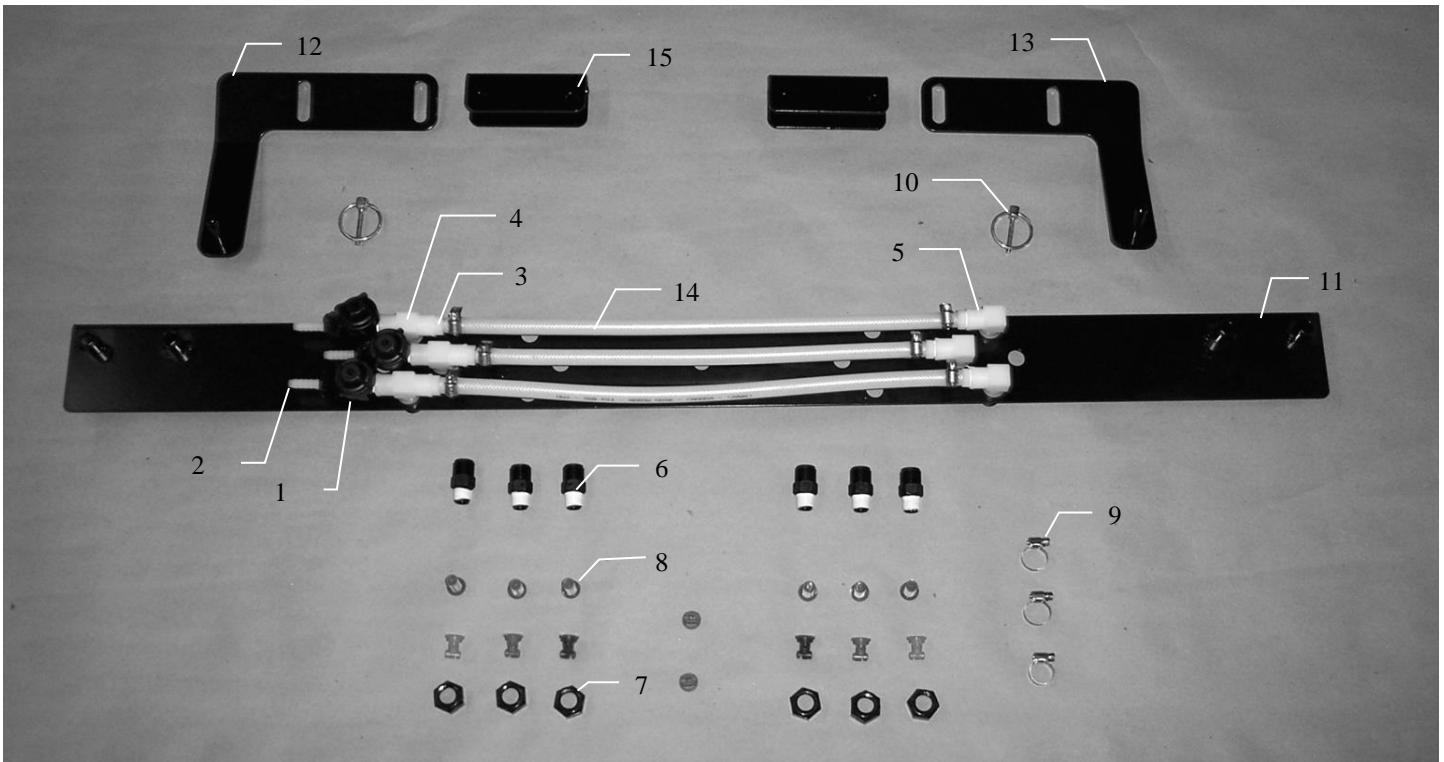


## 4491B Installation Kit



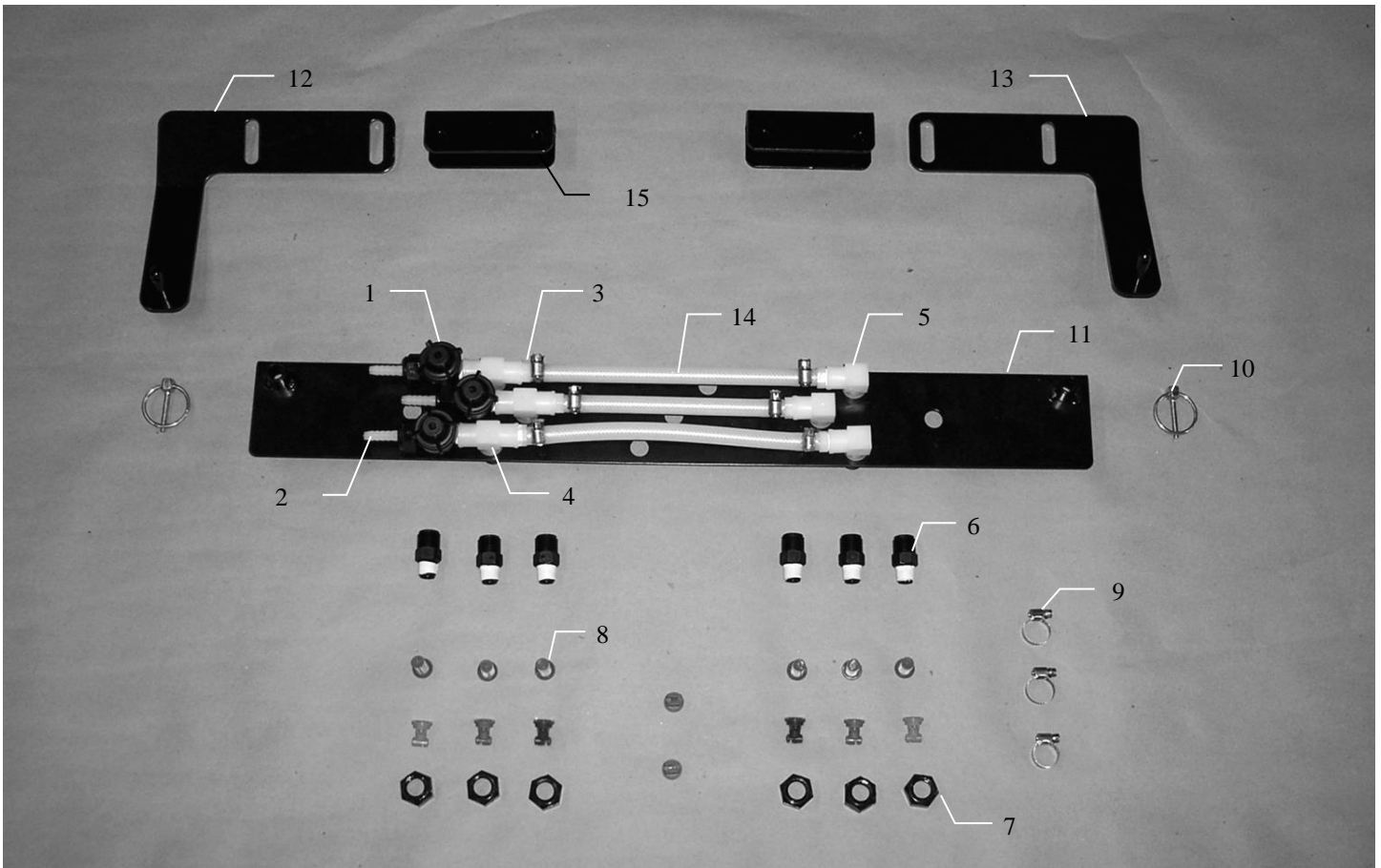
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|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve        | 004-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting   | 003-A1414VB   | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting   | 003-A1414     | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                | 003-TT14SQ    | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow       | 003-SE14F     | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body        | 004-4722      | 6          |                               |                |            |
| 7          | Nozzle cap         | 004-4723      | 9          |                               |                |            |
| 8          | Tip strainer       | 004-1203-100  | 6          |                               |                |            |
| 9          | Hose clamp         | 003-9002      | 9          |                               |                |            |
| 10         | Lynch pin          | 008-4576      | 2          |                               |                |            |
| 11         | Spray shield       | 001-4422      | 1          |                               |                |            |
| 12         | Shield holder      | 001-4422B     | 1          |                               |                |            |
| 13         | Backing plate      | 001-4422A     | 2          |                               |                |            |
| 14         | Hose – 1/4"        | 002-9016      | 3ft        |                               |                |            |
| 15         | Ladder bracket     | 001-6707H     | 2          |                               |                |            |
| 16         | End of bale mount  | 001-4648H     | 1          |                               |                |            |

## 4492B Installation Kit



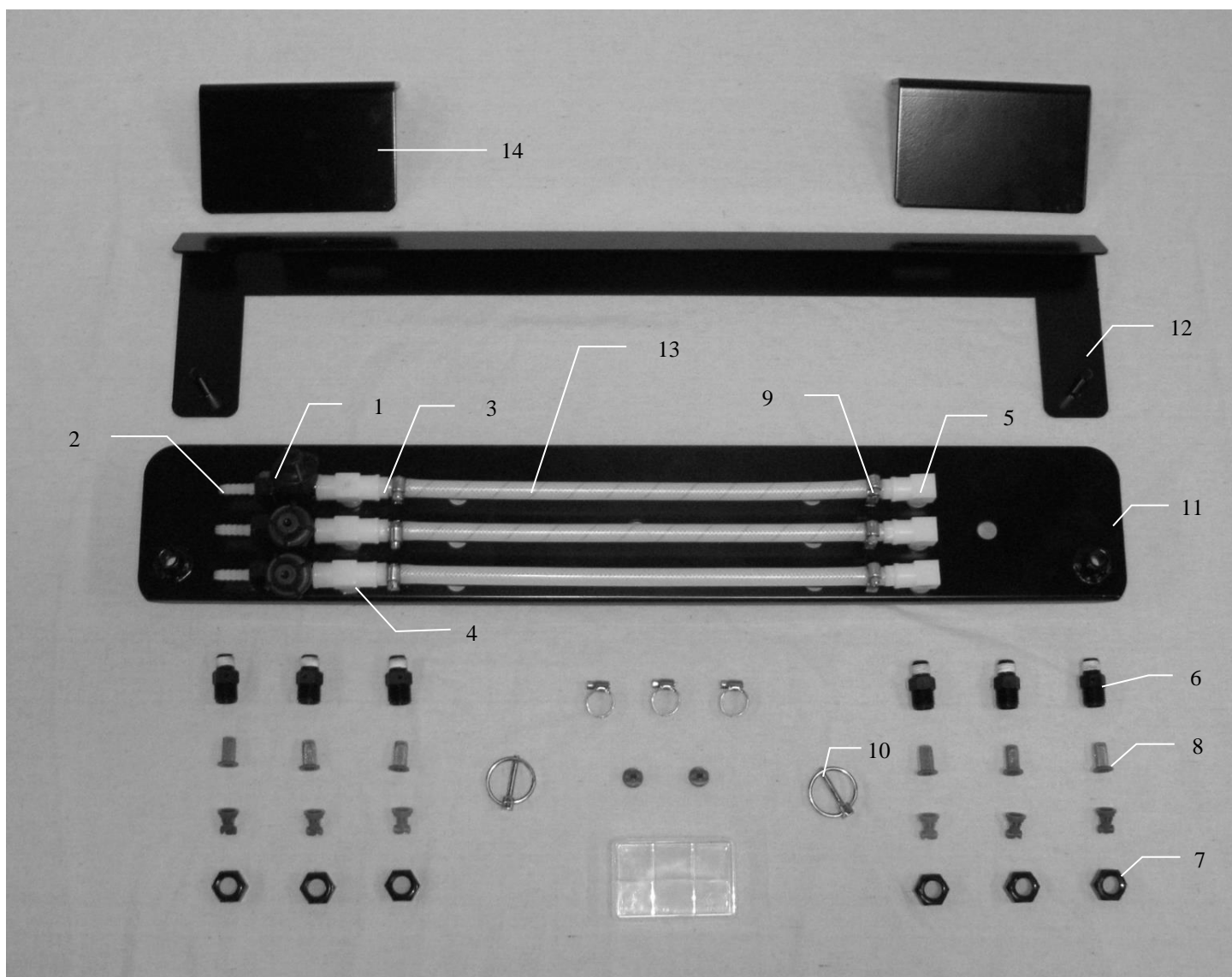
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|------------|---------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve         | 004-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting    | 003-A1414VB   | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting    | 003-A1414     | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                 | 003-TT14SQ    | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow        | 003-SE14F     | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body         | 004-4722      | 6          |                               |                |            |
| 7          | Nozzle cap          | 004-4723      | 9          |                               |                |            |
| 8          | Tip strainer        | 004-1203-100  | 6          |                               |                |            |
| 9          | Hose clamp          | 003-9002      | 9          |                               |                |            |
| 10         | Lynch pin           | 008-4576      | 2          |                               |                |            |
| 11         | Spray shield        | 001-4811A     | 1          |                               |                |            |
| 12         | Left shield holder  | 001-4436DL    | 1          |                               |                |            |
| 13         | Right shield holder | 001-4436DR    | 1          |                               |                |            |
| 14         | Hose – 1/4"         | 002-9016      | 3ft        |                               |                |            |
| 15         | Spacer              | 001-4436S     | 2          |                               |                |            |

## 4494B Installation Kit



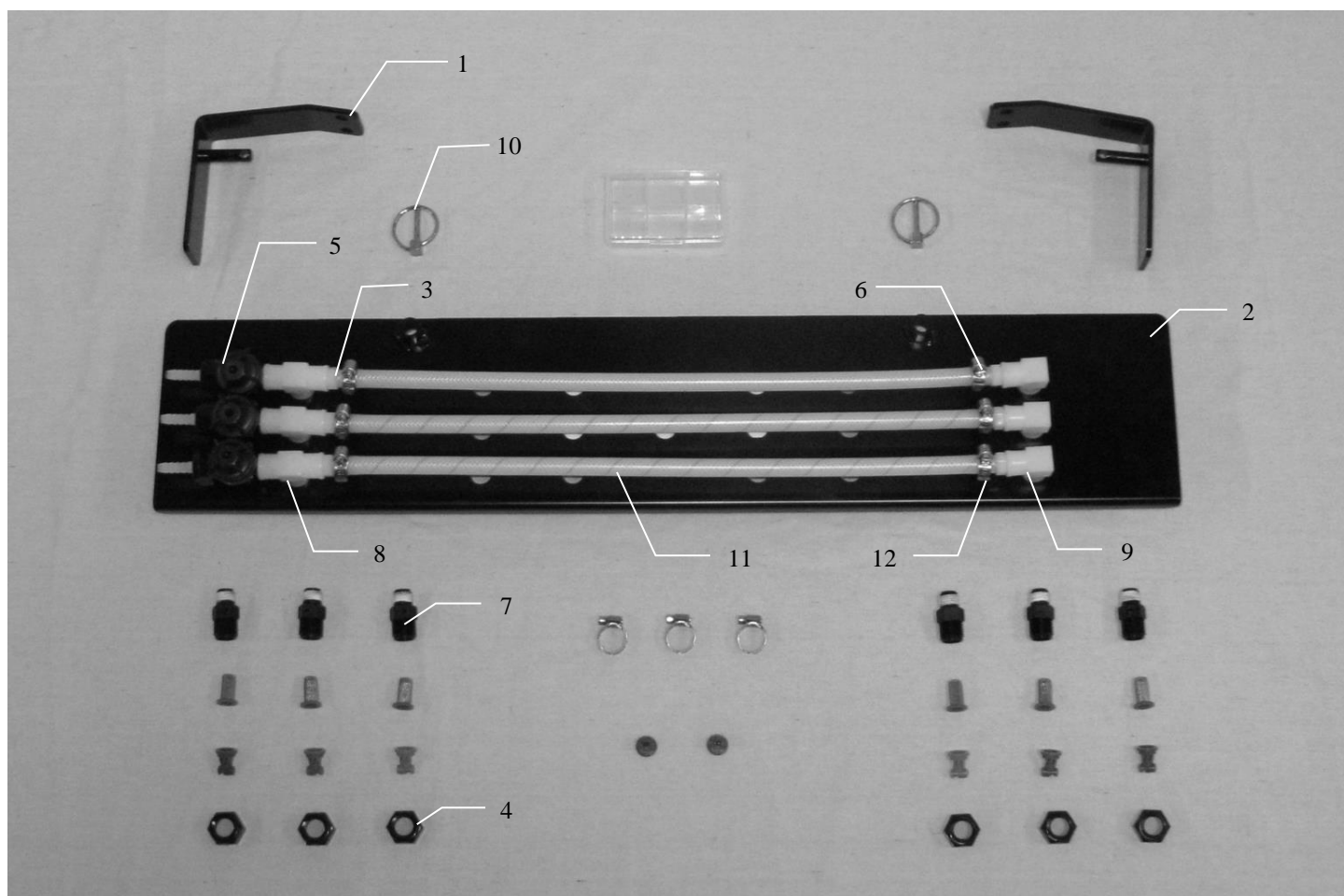
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|------------|---------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve         | 004-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting    | 003-A1414VB   | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting    | 003-A1414     | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                 | 003-TT14SQ    | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow        | 003-SE14F     | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body         | 004-4722      | 6          |                               |                |            |
| 7          | Nozzle cap          | 004-4723      | 9          |                               |                |            |
| 8          | Tip strainer        | 004-1203-100  | 6          |                               |                |            |
| 9          | Hose clamp          | 003-9002      | 9          |                               |                |            |
| 10         | Lynch pin           | 008-4576      | 2          |                               |                |            |
| 11         | Spray shield        | 001-4810      | 1          |                               |                |            |
| 12         | Left shield holder  | 001-4436DL    | 1          |                               |                |            |
| 13         | Right shield holder | 001-4436DR    | 1          |                               |                |            |
| 14         | Hose – 1/4"         | 002-9016      | 3ft        |                               |                |            |
| 15         | Spacer              | 001-4436S     | 2          |                               |                |            |

## 4495B & 4528B Installation Kit



| <b>Ref</b> | <b>Description</b> | <b>Part#</b> | <b>Qty</b> | <b>Description</b>            | <b>Part#</b>   | <b>Qty</b> |
|------------|--------------------|--------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve        | 004-1207VB   | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting   | 003-A1414VB  | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting   | 003-A1414    | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                | 003-TT14SQ   | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow       | 003-SE14F    | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body        | 004-4722     | 6          |                               |                |            |
| 7          | Nozzle cap         | 004-4723     | 9          |                               |                |            |
| 8          | Tip strainer       | 004-1203-100 | 6          |                               |                |            |
| 9          | Hose clamp         | 003-9002     | 9          |                               |                |            |
| 10         | Lynch pin          | 008-4576     | 2          |                               |                |            |
| 11         | Spray shield       | 001-4431     | 1          |                               |                |            |
| 12         | Shield holder      | 001-4431B    | 1          |                               |                |            |
| 13         | Hose – 1/4"        | 002-9016     | 3ft        |                               |                |            |
| 14         | Wind guard stop    | 001-4431D    | 2          |                               |                |            |

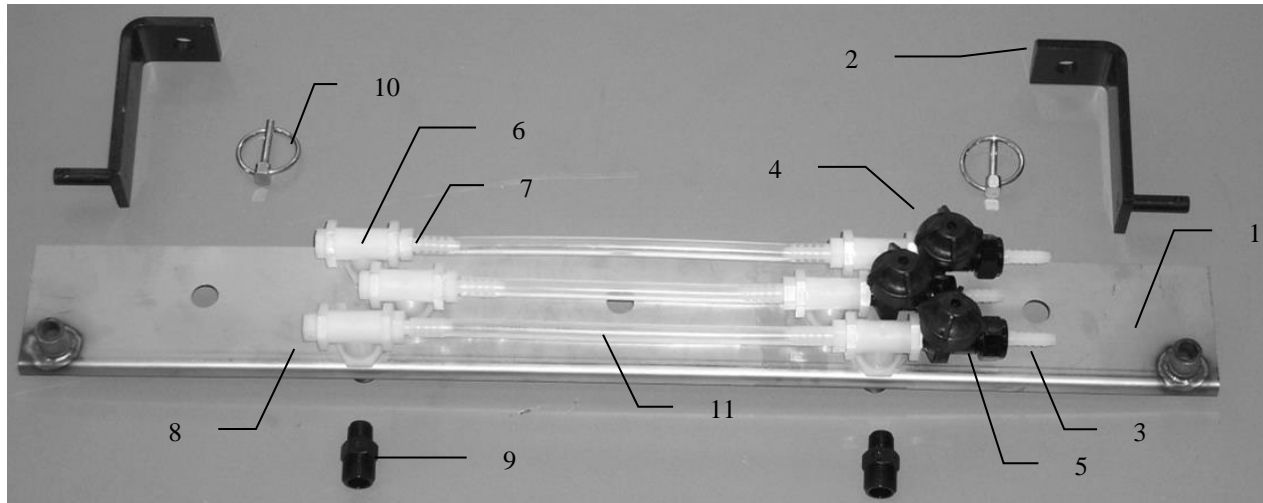
## 4497B & 4529B Installation Kit



| <u>Ref</u> | <u>Description</u> | <u>Part#</u> | <u>Qty</u> | <u>Description</u>            | <u>Part#</u>   | <u>Qty</u> |
|------------|--------------------|--------------|------------|-------------------------------|----------------|------------|
| 1          | Mounting Brkt      | 001-4435E    | 2          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 2          | Spray Shield       | 001-4435ES   | 1          | Tip (green)                   | 004-TT110015VP | 2          |
| 3          | Straight Fitting   | 003-A1414VB  | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 4          | Nozzle Cap         | 004-4723     | 9          | Tip (olive green)             | 004-800067-PT  | 2          |
| 5          | Check Valve        | 004-1207VB   | 3          | Tip Strainers                 | 004-1203-100   | 6          |
| 6          | Straight Fitting   | 003-A1414    | 6          | * Tip color subject to change |                |            |
| 7          | Nozzle Body        | 004-4722     | 6          |                               |                |            |
| 8          | Tee                | 003-TT14SQ   | 3          |                               |                |            |
| 9          | Street elbow       | 003-SE14F    | 3          |                               |                |            |
| 10         | Lynch Pin          | 008-4576     | 2          |                               |                |            |
| 11         | Hose               | 002-9016     | 4ft        |                               |                |            |
| 12         | Hose Clamps        | 003-9002     | 9          |                               |                |            |



## 4498B Installation Kit

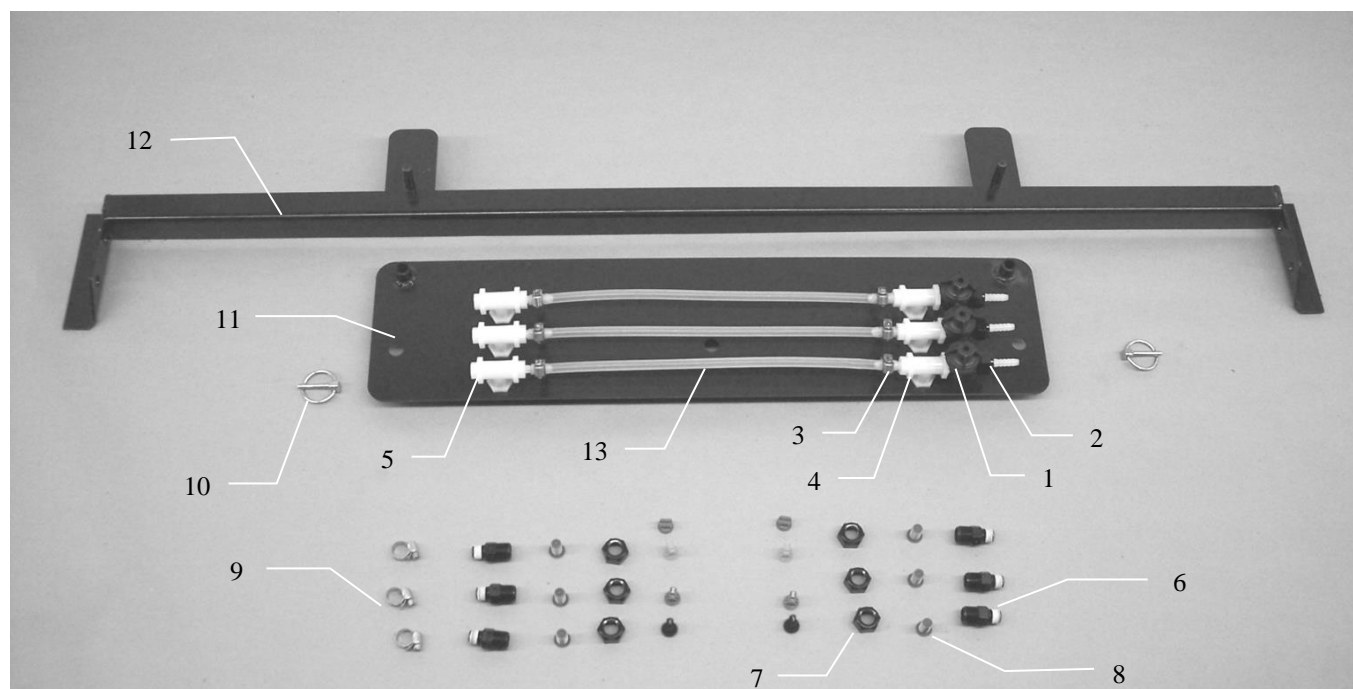


| <u>Ref</u> | <u>Description</u> | <u>Part#</u> | <u>Qty</u> | <u>Ref</u> | <u>Description</u> | <u>Part#</u>   | <u>Qty</u> |
|------------|--------------------|--------------|------------|------------|--------------------|----------------|------------|
| 1          | Spray Shield       | 001-4810     | 1          | NP         | Tip (orange)       | 004-TT11001VP  | 2          |
| 2          | Shield Holder      | 001-4810A    | 2          | NP         | Tip (green)        | 004-TT110015VP | 2          |
| 3          | Straight Fitting   | 003-A1414VB  | 3          | NP         | Tip (blue)         | 004-TT11003VP  | 2          |
| 4          | Check Valve        | 004-1207VB   | 3          | NP         | Tip (olive green)  | 004-800067-PT  | 2          |
| 5          | Nozzle Cap         | 004-4723     | 9          | NP         | Tip Strainers      | 004-1203-100   | 6          |
| 6          | Tee                | 003-TT14     | 6          | NP         | Hose Clamps        | 003-9002       | 9          |
| 7          | Straight Fitting   | 003-A1414    | 6          |            |                    |                |            |
| 8          | Plug               | 003-F14      | 3          |            |                    |                |            |
| 9          | Nozzle Body        | 004-4722     | 6          |            |                    |                |            |
| 10         | Lynch Pin          | 008-4576     | 2          |            |                    |                |            |
| 11         | Hose               | 002-9006     | 4ft        |            |                    |                |            |

\* Tip color subject to change

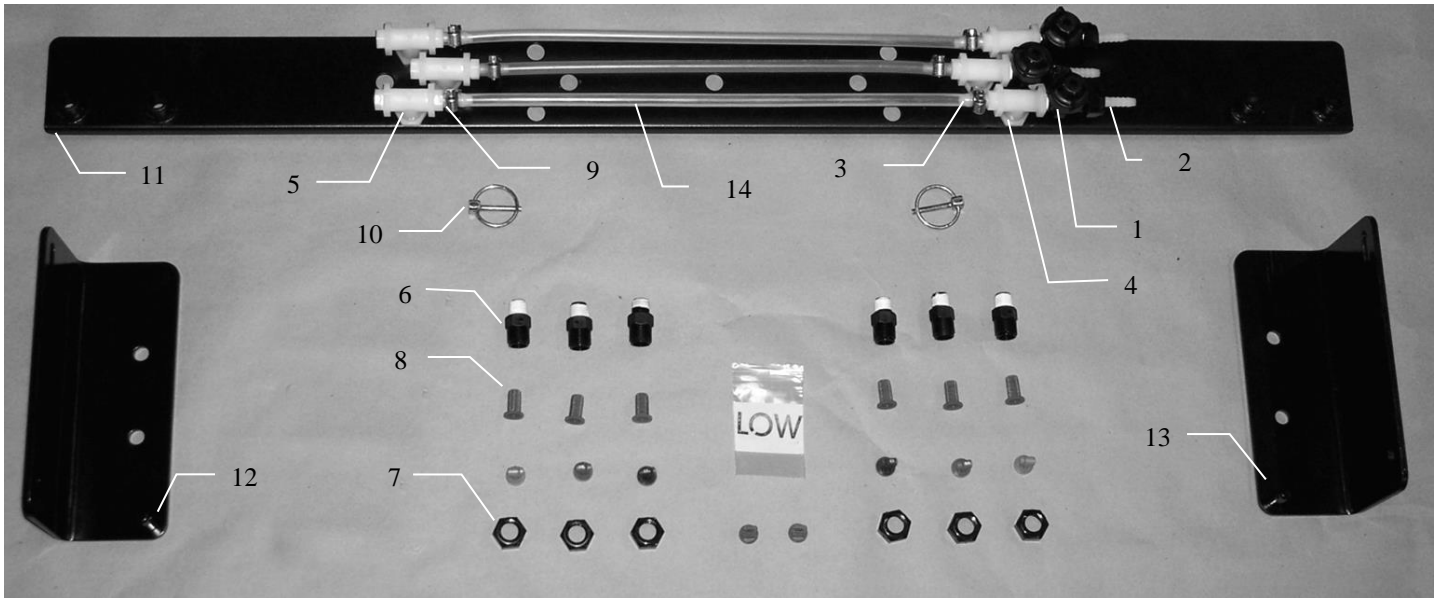
NP Not Pictured

## 4499B Installation Kit



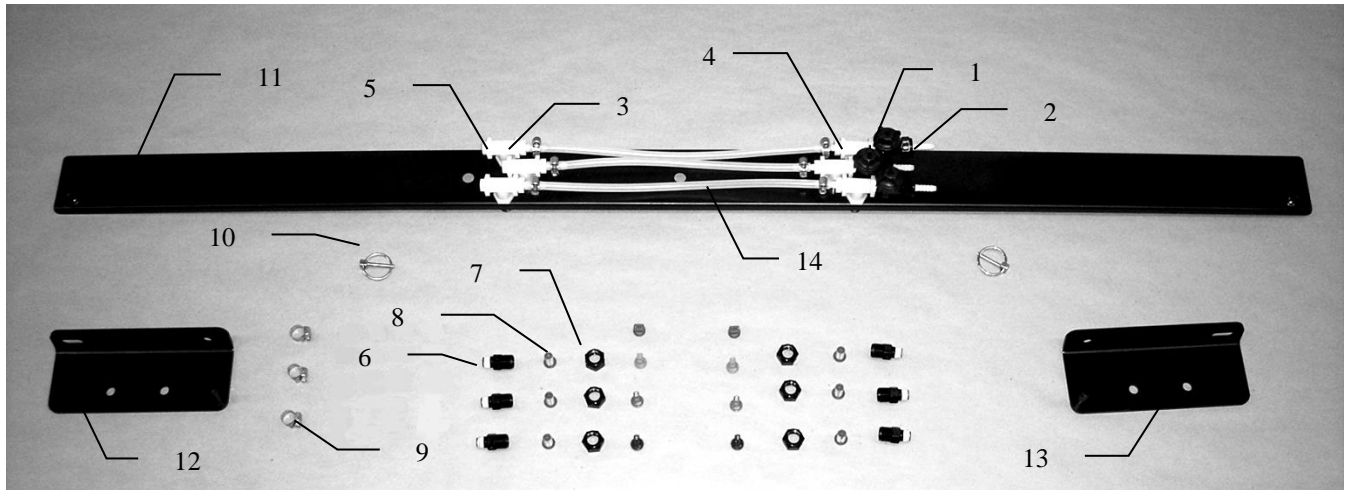
| <u>Ref</u> | <u>Description</u> | <u>Part#</u> | <u>Qty</u> | <u>Description</u>            | <u>Part#</u>   | <u>Qty</u> |
|------------|--------------------|--------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve        | 004-1207VB   | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting   | 003-A1414VB  | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting   | 003-A1414    | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                | 003-TT14SQ   | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow       | 003-SE14F    | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body        | 004-4722     | 6          |                               |                |            |
| 7          | Nozzle cap         | 004-4723     | 9          |                               |                |            |
| 8          | Tip strainer       | 004-1203-100 | 6          |                               |                |            |
| 9          | Hose clamp         | 003-9002     | 9          |                               |                |            |
| 10         | Lynch pin          | 008-4576     | 2          |                               |                |            |
| 11         | Spray shield       | 001-4439A    | 1          |                               |                |            |
| 12         | Shield holder      | 001-4440     | 1          |                               |                |            |
| 13         | Hose – 1/4"        | 002-9016     | 3ft        |                               |                |            |

## 4500B Installation Kit



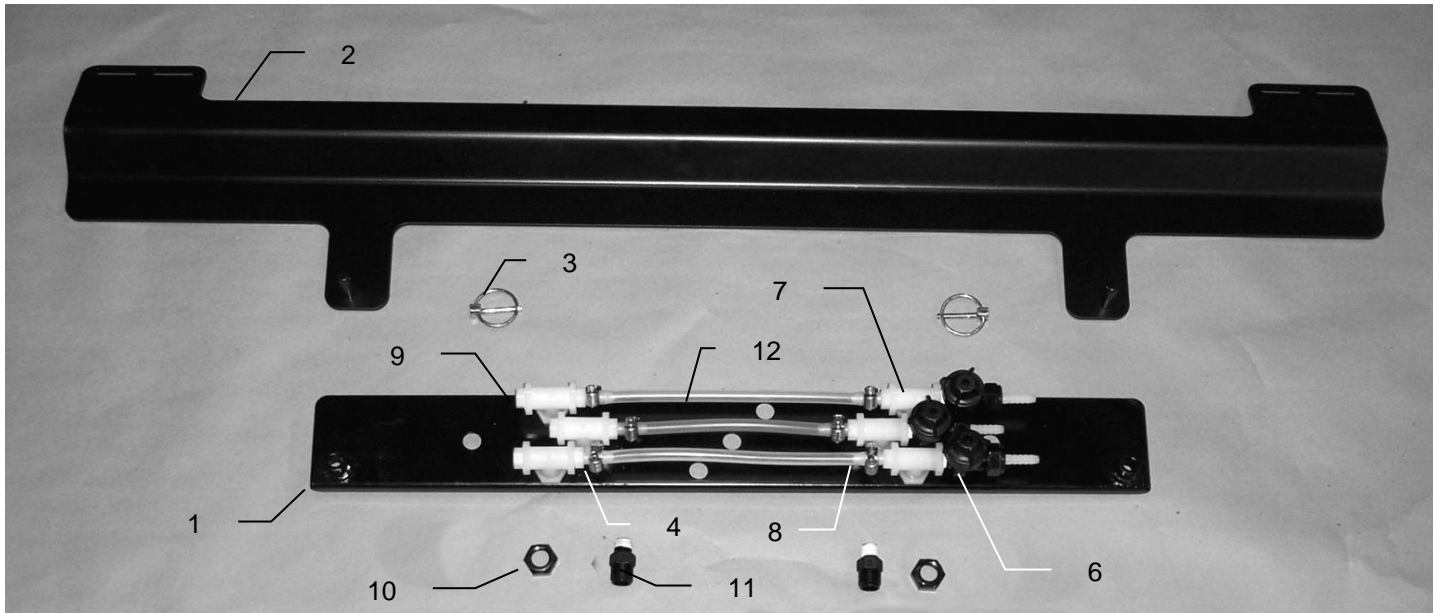
| <u>Ref</u> | <u>Description</u>  | <u>Part#</u> | <u>Qty</u> | <u>Description</u>            | <u>Part#</u>   | <u>Qty</u> |
|------------|---------------------|--------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve         | 004-1207VB   | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting    | 003-A1414VB  | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting    | 003-A1414    | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                 | 003-TT14SQ   | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow        | 003-SE14F    | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body         | 004-4722     | 6          |                               |                |            |
| 7          | Nozzle cap          | 004-4723     | 9          |                               |                |            |
| 8          | Tip strainer        | 004-1203-100 | 6          |                               |                |            |
| 9          | Hose clamp          | 003-9002     | 9          |                               |                |            |
| 10         | Lynch pin           | 008-4576     | 2          |                               |                |            |
| 11         | Spray shield        | 001-4811A    | 1          |                               |                |            |
| 12         | Left shield holder  | 001-4436CL   | 1          |                               |                |            |
| 13         | Right shield holder | 001-4436CR   | 1          |                               |                |            |
| 14         | Hose                | 002-9016     | 3ft        |                               |                |            |

## 4501B Installation Kit



| <u>Ref</u> | <u>Description</u>  | <u>Part#</u> | <u>Qty</u> | <u>Description</u>            | <u>Part#</u>   | <u>Qty</u> |
|------------|---------------------|--------------|------------|-------------------------------|----------------|------------|
| 1          | Check valve         | 004-1207VB   | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Straight fitting    | 003-A1414VB  | 3          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Straight fitting    | 003-A1414    | 6          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Tee                 | 003-TT14SQ   | 3          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Street elbow        | 003-SE14F    | 3          | * Tip color subject to change |                |            |
| 6          | Nozzle body         | 004-4722     | 6          |                               |                |            |
| 7          | Nozzle cap          | 004-4723     | 9          |                               |                |            |
| 8          | Tip strainer        | 004-1203-100 | 6          |                               |                |            |
| 9          | Hose clamp          | 003-9002     | 9          |                               |                |            |
| 10         | Lynch pin           | 008-4576     | 2          |                               |                |            |
| 11         | Spray shield        | 001-4436CS   | 1          |                               |                |            |
| 12         | Left shield holder  | 001-4436CL   | 1          |                               |                |            |
| 13         | Right shield holder | 001-4436CR   | 1          |                               |                |            |
| 14         | Hose – 1/4"         | 002-9016     | 3ft        |                               |                |            |

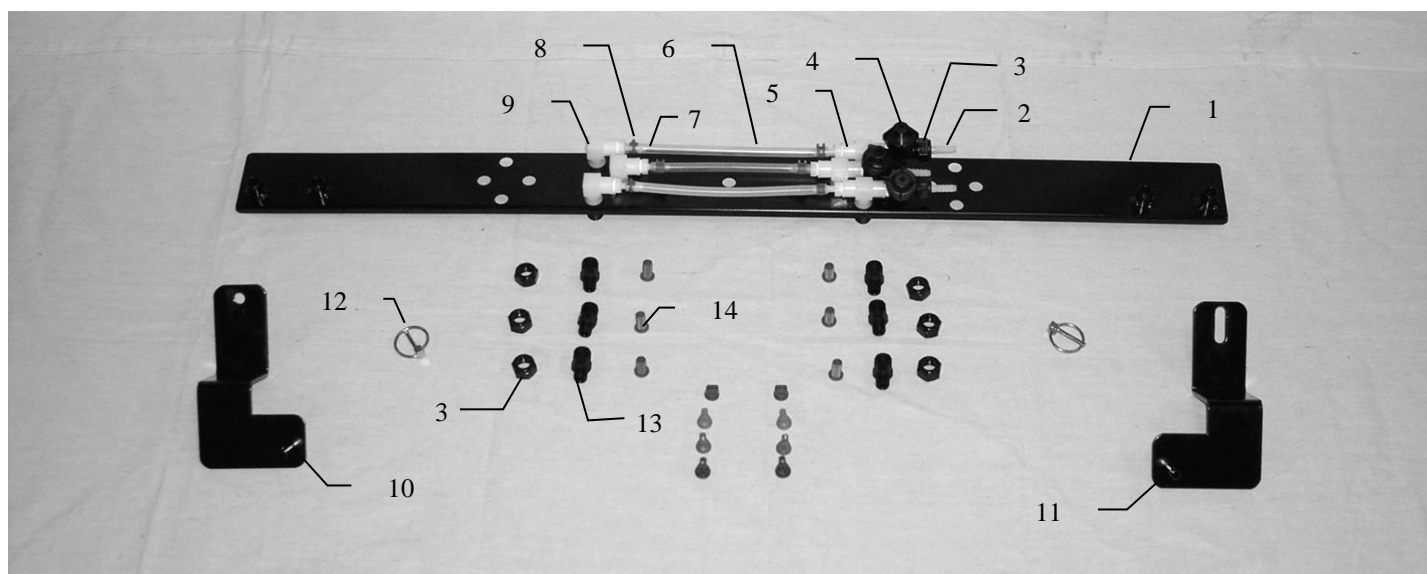
## 4509B Installation Kit



| <u>Ref</u> | <u>Description</u> | <u>Part #</u> | <u>Qty</u> | <u>Description</u>            | <u>Part #</u>  | <u>Qty</u> |
|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Spray Shield       | 001-4810      | 1          | Tip (blue)                    | 004-TT11001VP  | 2          |
| 2          | Shield holder      | 001-4440A     | 1          | Tip (green)                   | 004-TT110015VP | 2          |
| 3          | Lynch Pins         | 008-4576      | 2          | Tip (orange)                  | 004-TT11003VP  | 2          |
| 4          | Hose Clamps        | 003-9002      | 9          | Tip (olive green)             | 004-800067-PT  | 2          |
| 5          | Straight Fitting   | 003-A1414VB   | 3          | Tip Strainers                 | 004-1203-100   | 6          |
| 6          | Check Valve        | 004-1207VB    | 3          | * Tip color subject to change |                |            |
| 7          | Tee                | 003-TT14SQ    | 3          |                               |                |            |
| 8          | Straight Fitting   | 003-A1414     | 6          |                               |                |            |
| 9          | 90 degree elbow    | 003-SE14F     | 3          |                               |                |            |
| 10         | Nozzle Cap         | 004-4723      | 9          |                               |                |            |
| 11         | Nozzle Body        | 004-4722      | 6          |                               |                |            |
| 12         | Hose               | 002-9016      | 3ft        |                               |                |            |

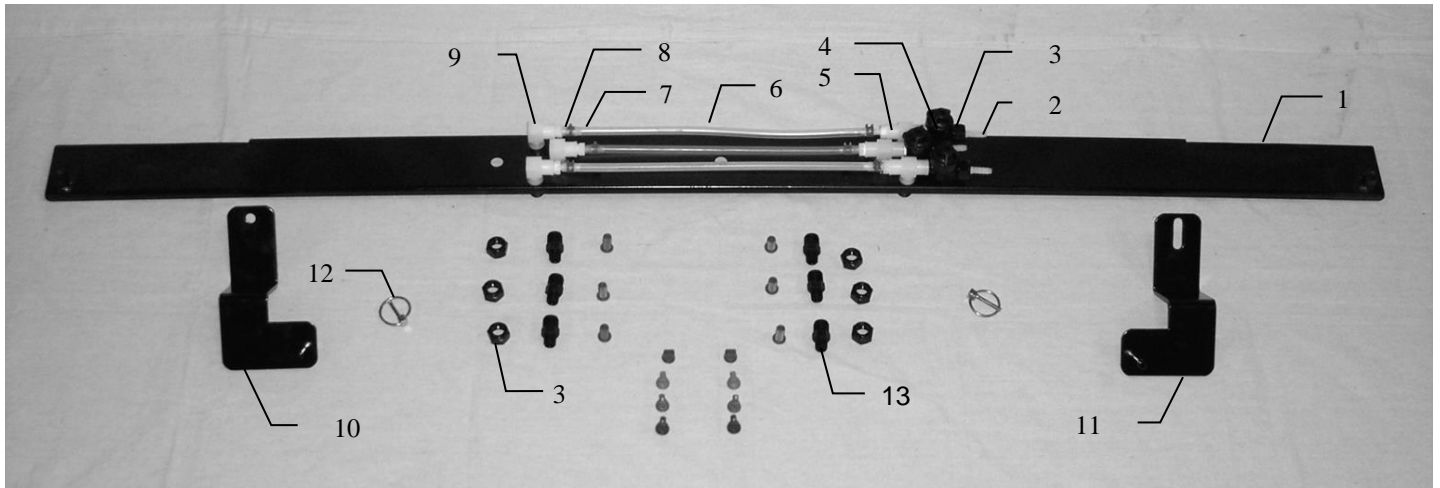


## 4510B Installation Kit



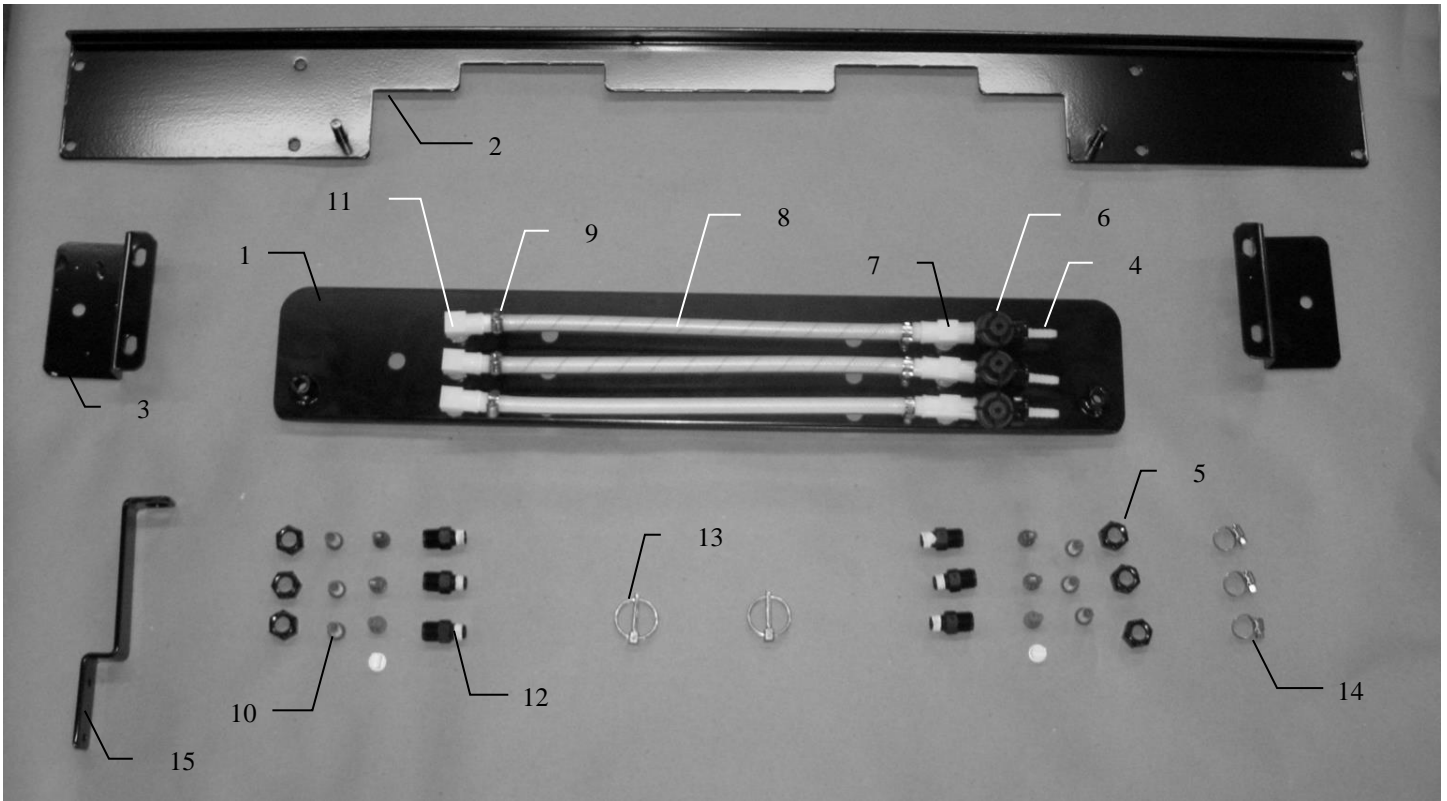
| <u>Ref</u> | <u>Description</u> | <u>Part #</u> | <u>Qty</u> | <u>Description</u>            | <u>Part #</u>  | <u>Qty</u> |
|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Spray shield       | 001-4811A     | 1          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 2          | Straight fitting   | 003-A1414VB   | 3          | Tip (green)                   | 004-TT110015VP | 2          |
| 3          | Nozzle cap         | 004-4723      | 9          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 4          | Check valve        | 003-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 5          | Tee                | 003-TT14SQ    | 3          | * Tip color subject to change |                |            |
| 6          | Hose               | 002-9016      | 3ft        |                               |                |            |
| 7          | Straight fitting   | 003-A1414     | 6          |                               |                |            |
| 8          | Hose clamp         | 003-9002      | 9          |                               |                |            |
| 9          | Elbow              | 003-SE14F     | 3          |                               |                |            |
| 10         | Shield hanger      | 001-4704A     | 1          |                               |                |            |
| 11         | Shield hanger      | 001-4704B     | 1          |                               |                |            |
| 12         | Lynch pin          | 008-4576      | 2          |                               |                |            |
| 13         | Nozzle body        | 004-4722      | 6          |                               |                |            |
| 14         | Tip Strainers      | 004-1203-100  | 6          |                               |                |            |

## 4511B Installation Kit



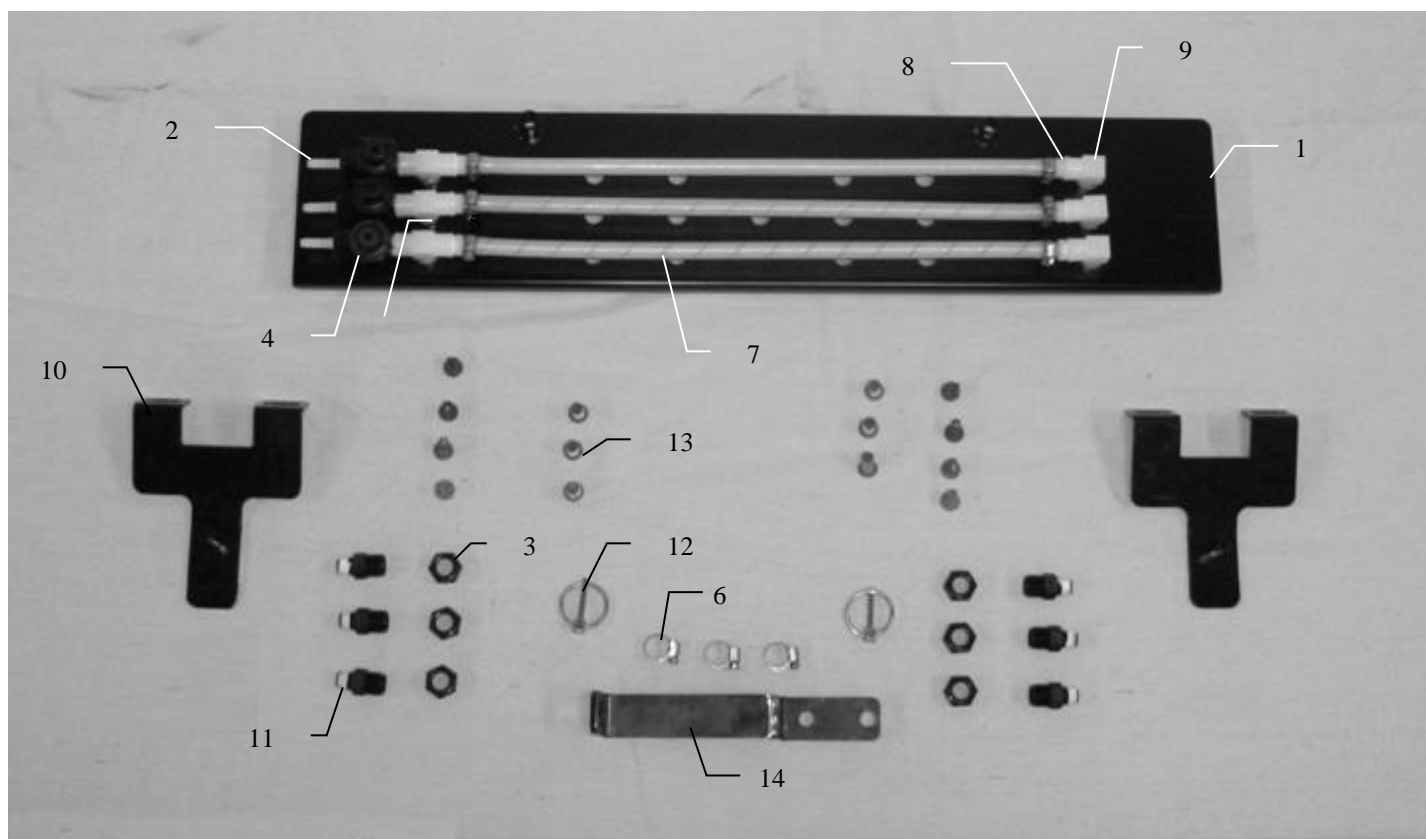
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|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Spray shield       | 001-4704C     | 1          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 2          | Straight fitting   | 003-A1414VB   | 3          | Tip (green)                   | 004-TT110015VP | 2          |
| 3          | Nozzle cap         | 004-4723      | 9          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 4          | Check valve        | 003-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 5          | Tee                | 003-TT14SQ    | 3          | Tip Strainers                 | 004-1203-100   | 6          |
| 6          | Hose               | 002-9016      | 3ft        |                               |                |            |
| 7          | Straight fitting   | 003-A1414     | 6          | * Tip color subject to change |                |            |
| 8          | Hose clamp         | 003-9002      | 9          |                               |                |            |
| 9          | Elbow              | 003-SE14F     | 3          |                               |                |            |
| 10         | Shield hanger      | 001-4704A     | 1          |                               |                |            |
| 11         | Shield hanger      | 001-4704B     | 1          |                               |                |            |
| 12         | Lynch pin          | 008-4576      | 2          |                               |                |            |
| 13         | Nozzle body        | 004-4722      | 6          |                               |                |            |

## 4514B Installation Kit



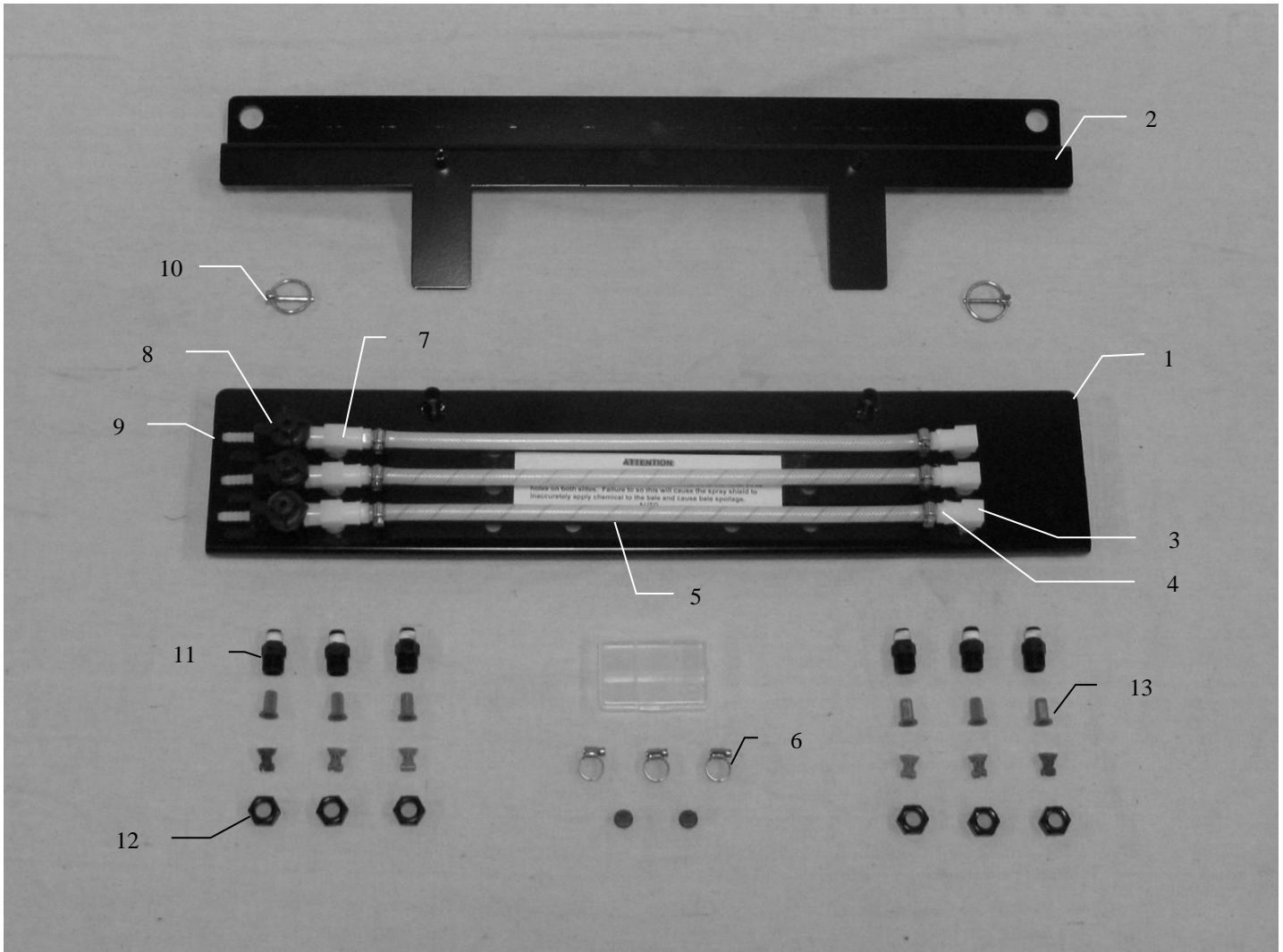
| <u>Ref</u> | <u>Description</u>                             | <u>Part #</u> | <u>Qty</u> | <u>Description</u>            | <u>Part #</u>  | <u>Qty</u> |
|------------|--|---------------|------------|-------------------------------|----------------|------------|
| 1          | Spray shield                                   | 001-4431B     | 1          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 2          | Shield holder                                  | 001-4431KA    | 1          | Tip (green)                   | 004-TT110015VP | 2          |
| 3          | Mounting brackets                              | 001-4431KB    | 2          | Tip (blue)                    | 003-TT11003VP  | 2          |
| 4          | Straight fitting                               | 003-A1414VB   | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 5          | Nozzle cap                                     | 003-4723      | 9          | * Tip color subject to change |                |            |
| 6          | Check valve                                    | 004-1207VB    | 3          |                               |                |            |
| 7          | Tee  | 003-TT14SQ    | 3          |                               |                |            |
| 8          | Hose   | 002-9016      | 6          |                               |                |            |
| 9          | Straight fitting                               | 003-A1414     | 6          |                               |                |            |
| 10         | Tip Strainers                                  | 004-1203-100  | 6          |                               |                |            |
| 11         | Elbow  | 003-SE14F     | 3          |                               |                |            |
| 12         | Nozzle body                                    | 004-4722      | 6          |                               |                |            |
| 13         | Lynch pin                                      | 008-4576      | 2          |                               |                |            |
| 14         | Hose clamp                                     | 002-9002      | 9          |                               |                |            |
| 15         | End of bale sensor mount                       | 001-4648K     | 1          |                               |                |            |
| NP         | End of bale sensor mount<br>(Krone 12130 only) | 001-4648K2    | 1          |                               |                |            |
| NP         | Not pictured                                   |               |            |                               |                |            |

## 4515B Installation Kit



| <u>Ref</u> | <u>Description</u>                             | <u>Part #</u> | <u>Qty</u> | <u>Description</u>            | <u>Part #</u>  | <u>Qty</u> |
|------------|--|---------------|------------|-------------------------------|----------------|------------|
| 1          | Spray shield                                   | 001-4435AS    | 1          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 2          | Straight fitting                               | 003-A1414VB   | 3          | Tip (green)                   | 004-TT110015VP | 2          |
| 3          | Nozzle cap                                     | 004-4723      | 9          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 4          | Check valve                                    | 004-1207VB    | 3          | Tip (olive green)             | 004-800067-PT  | 2          |
| 5          | Tee  | 003-TT14SQ    | 3          | * Tip color subject to change |                |            |
| 6          | Hose clamp                                     | 003-9002      | 9          |                               |                |            |
| 7          | Hose   | 002-9016      | 4ft        |                               |                |            |
| 8          | Straight fitting                               | 003-A1414     | 6          |                               |                |            |
| 9          | Elbow  | 003-SE14F     | 3          |                               |                |            |
| 10         | Shield holder                                  | 001-4435KS    | 2          |                               |                |            |
| 11         | Nozzle body                                    | 004-4722      | 6          |                               |                |            |
| 12         | Lynch pin                                      | 008-4576      | 2          |                               |                |            |
| 13         | Tip strainers                                  | 004-1203-100  | 6          |                               |                |            |
| 14         | End of bale sensor mount                       | 001-4648K     | 1          |                               |                |            |
| NP         | End of bale sensor mount<br>(Krone 12130 only) | 001-4648K2    | 1          |                               |                |            |
| NP         | Not pictured                                   |               |            |                               |                |            |

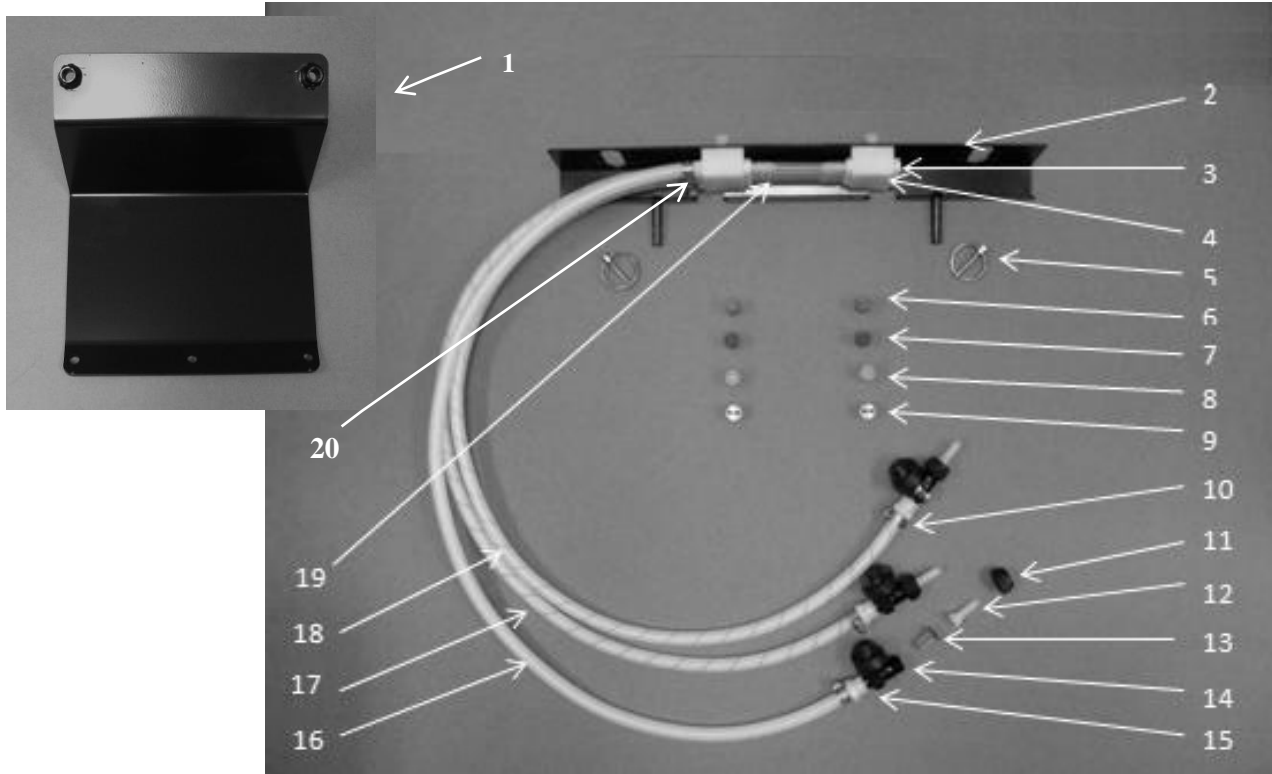
## 4525B Installation Kit



| <u>Ref</u> | <u>Description</u> | <u>Part #</u> | <u>Qty</u> | <u>Description</u>            | <u>Part #</u>  | <u>Qty</u> |
|------------|--------------------|---------------|------------|-------------------------------|----------------|------------|
| 1          | Spray shield       | 001-4435ES    | 1          | Tip (olive green)             | 004-800067-PT  | 2          |
| 2          | Shield holder      | 001-4435EK    | 1          | Tip (orange)                  | 004-TT11001VP  | 2          |
| 3          | Elbow              | 003-SE14SQ    | 3          | Tip (green)                   | 004-TT110015VP | 2          |
| 4          | Straight fitting   | 003-A1414     | 6          | Tip (blue)                    | 004-TT11003VP  | 2          |
| 5          | Hose               | 002-9016      | 6ft        | * Tip color subject to change |                |            |
| 6          | Hose clamp         | 003-9002      | 9          |                               |                |            |
| 7          | Tee                | 003-TT14SQ    | 3          |                               |                |            |
| 8          | Check valve        | 004-1207VB    | 3          |                               |                |            |
| 9          | Straight fitting   | 003-A1414VB   | 3          |                               |                |            |
| 10         | Lynch pin          | 008-4576      | 2          |                               |                |            |
| 11         | Nozzle body        | 004-4722      | 6          |                               |                |            |
| 12         | Nozzle cap         | 004-4723      | 9          |                               |                |            |
| 13         | Tip strainer       | 004-1203-100  | 6          |                               |                |            |



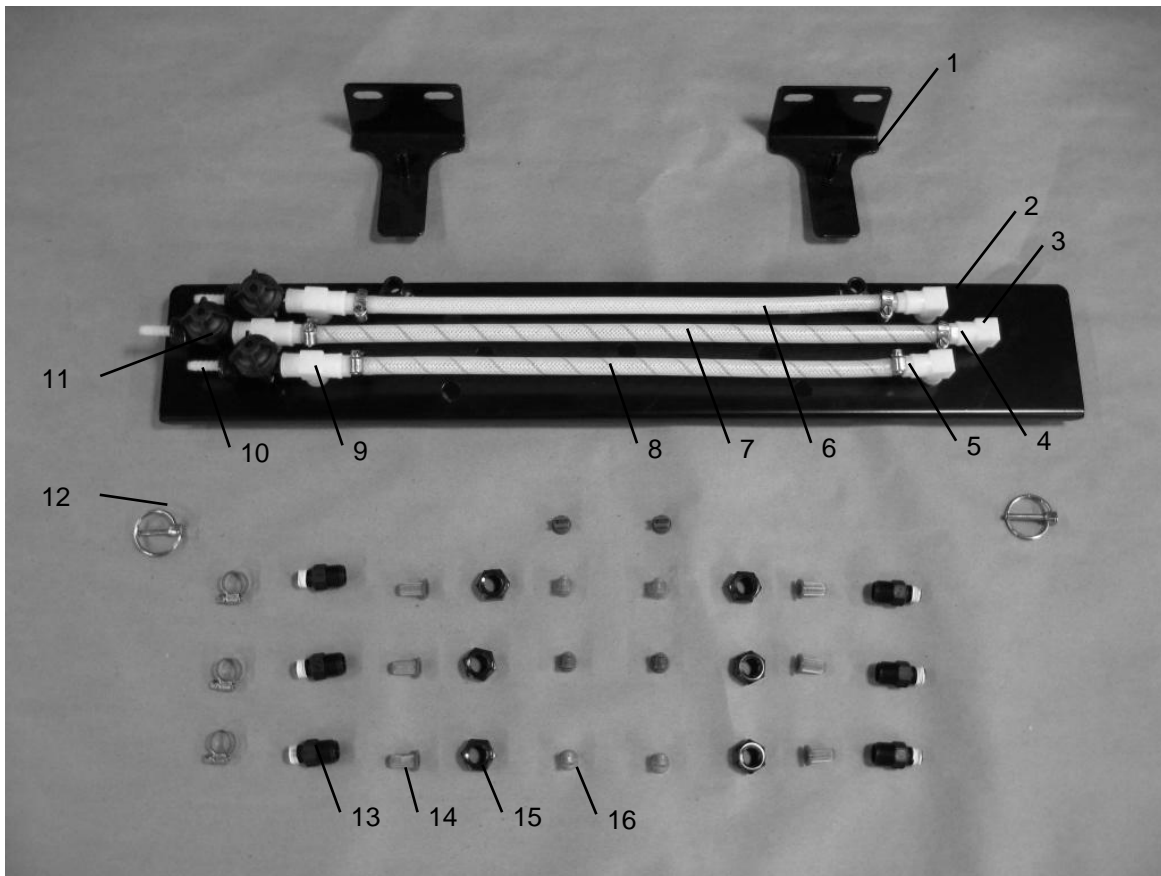
## 4537B Installation Kit



| <u>Ref</u> | <u>Description</u> | <u>Part Number</u> | <u>Qty</u> | <u>Ref</u> | <u>Description</u>  | <u>Part Number</u> | <u>Qty</u> |
|------------|--------------------|--------------------|------------|------------|---------------------|--------------------|------------|
| 1          | Holder             | 001-4435L          | 1          | 11         | Cap                 | 004-4723           | 3          |
| 2          | Shield             | 001-4435NSX        | 1          | 12         | Fitting             | 003-A1414VB        | 3          |
| 3          | Fitting            | 003-F14            | 3          | 13         | Strainer            | 004-1203-100       | 3          |
| 4          | Manifold Block     | 001-4435NSB        | 2          | 14         | Check Valve         | 004-1207VB         | 3          |
| 5          | Lynch Pin          | 008-4576           | 2          | 15         | Fitting             | 003-A1414F         | 3          |
| 6          | Tip-Red            | 004-T8003-PT       | 2          | 16         | Clear Tubing-1/4"   | 002-9016           | 3ft        |
| 7          | Tip-Brown          | 004-T80015-PT      | 2          | 17         | Blue Stripe Tubing  | 002-9016B          | 3ft        |
| 8          | Tip-Pink           | 004-T8001-PT       | 2          | 18         | Green Stripe Tubing | 002-9016G          | 3ft        |
| 9          | Tip-Stainless      | 004-T800067-SS     | 2          | 19         | EVA-1/4"            | 002-9006           | 3ft        |
| 10         | Hose Clamp         | 003-9002           | 15         | 20         | Fitting             | 003-A1414          | 9          |
|            |                    |                    |            | NP         | Mini Plano Box      | 008-9001           | 1          |

\* Tip color subject to change

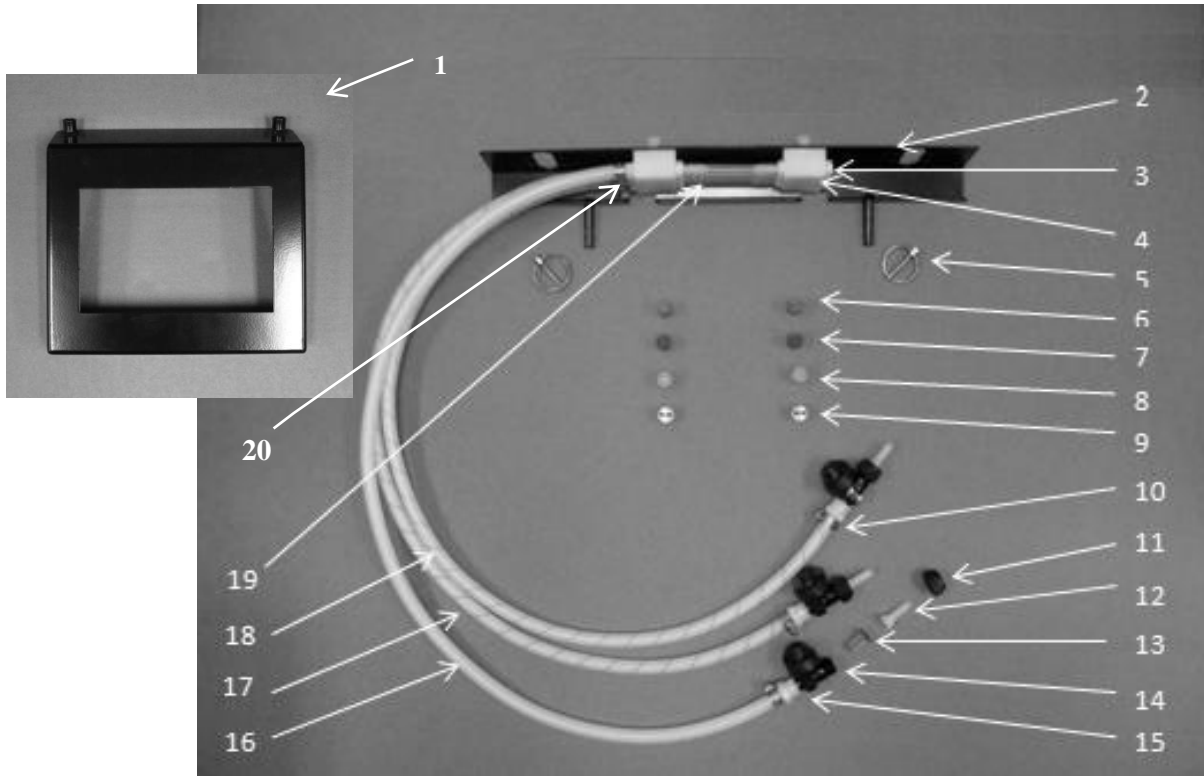
## 4539B Installation Kit



| Ref | Description   | Part #       | Qty | Ref | Description       | Part #         | Qty |
|-----|---------------|--------------|-----|-----|-------------------|----------------|-----|
| 1   | Shield Holder | 001-4435KX   | 2   | 16  | Nozzle Tips       |                |     |
| 2   | Spray Shield  | 001-4435AS   | 1   |     | Tip (olive green) | 004-800067-PT  | 2   |
| 3   | Street Elbow  | 003-SE14F    | 3   |     | Tip (orange)      | 004-TT11001VP  | 2   |
| 4   | Fitting       | 003-A1414    | 6   |     | Tip (green)       | 004-TT110015VP | 2   |
| 5   | Hose clamp    | 003-9002     | 9   |     | Tip (blue)        | 004-TT11003VP  | 2   |
| 6   | Hose-clear    | 002-9016     | 2ft | NP  | Plano Box         | 008-9001       | 1   |
| 7   | Hose-blue     | 002-9016B    | 2ft | NP  | EOB Bracket       | 001-4648K2     | 1   |
| 8   | Hose-green    | 002-9016G    | 2ft |     |                   |                |     |
| 9   | Tee           | 003-TT14SQ   | 3   |     |                   |                |     |
| 10  | Fitting       | 003-A1414VB  | 3   |     |                   |                |     |
| 11  | Check Valve   | 004-1207VB   | 3   |     |                   |                |     |
| 12  | Lynch Pin     | 008-4576     | 2   |     |                   |                |     |
| 13  | Nozzle Body   | 004-4722     | 6   |     |                   |                |     |
| 14  | Strainer      | 004-1203-100 | 6   |     |                   |                |     |
| 15  | Nozzle cap    | 004-4723     | 9   |     |                   |                |     |

\* Tip color subject to change

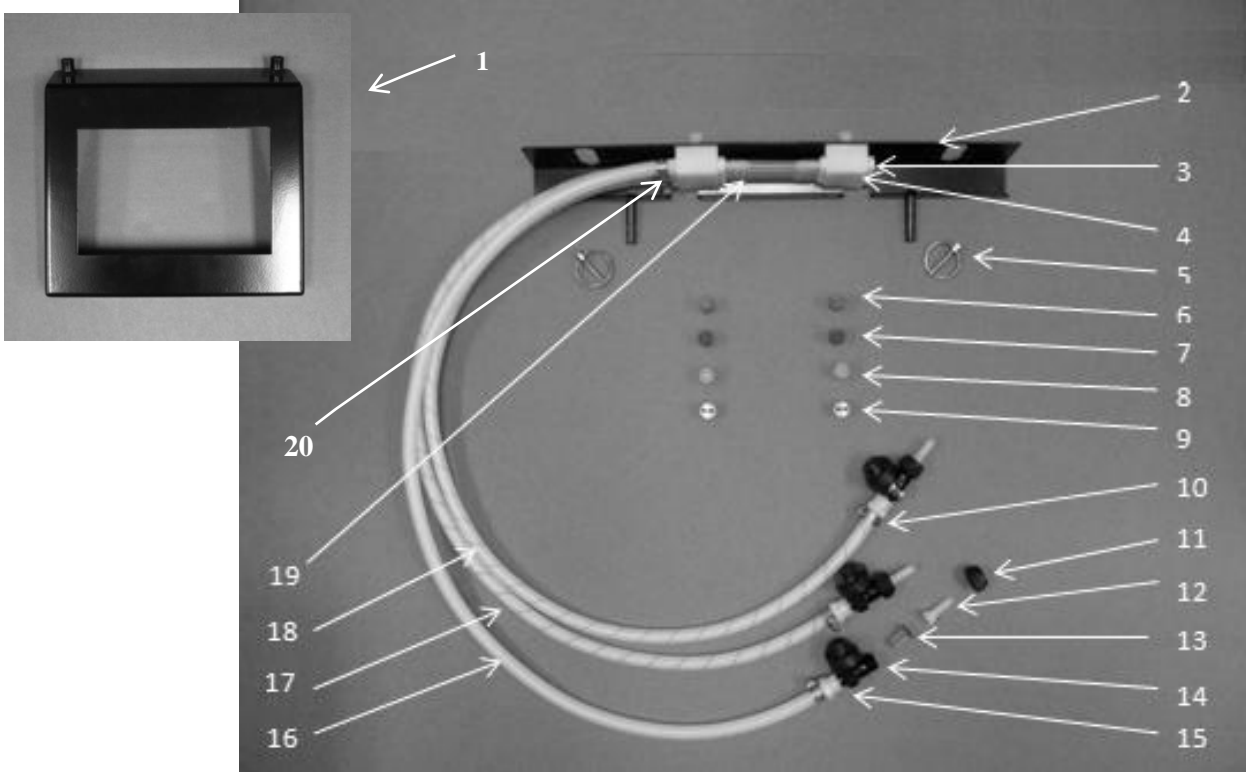
## 4540B Installation Kit



| <u>Ref</u> | <u>Description</u> | <u>Part Number</u> | <u>Qty</u> | <u>Ref</u> | <u>Description</u>  | <u>Part Number</u> | <u>Qty</u> |
|------------|--------------------|--------------------|------------|------------|---------------------|--------------------|------------|
| 1          | Holder             | 001-4435KC         | 1          | 11         | Cap                 | 004-4723           | 3          |
| 2          | Shield             | 001-4435NSX        | 1          | 12         | Fitting             | 003-A1414VB        | 3          |
| 3          | Fitting            | 003-F14            | 3          | 13         | Strainer            | 004-1203-100       | 3          |
| 4          | Manifold Block     | 001-4435NSB        | 2          | 14         | Check Valve         | 004-1207VB         | 3          |
| 5          | Lynch Pin          | 008-4576           | 2          | 15         | Fitting             | 003-A1414F         | 3          |
| 6          | Tip-Red            | 004-T8003-PT       | 2          | 16         | Clear Tubing-1/4"   | 002-9016           | 3ft        |
| 7          | Tip-Brown          | 004-T80015-PT      | 2          | 17         | Blue Stripe Tubing  | 002-9016B          | 3ft        |
| 8          | Tip-Pink           | 004-T8001-PT       | 2          | 18         | Green Stripe Tubing | 002-9016G          | 3ft        |
| 9          | Tip-Stainless      | 004-T800067-SS     | 2          | 19         | EVA-1/4"            | 002-9006           | 1ft        |
| 10         | Hose Clamp         | 003-9002           | 15         | 20         | Fitting             | 003-A1414          | 9          |
|            |                    |                    |            | NP         | Mini Plano Box      | 008-9001           | 1          |
|            |                    |                    |            | NP         | EOB Bracket         | 001-4648K          | 1          |

\* Tip color subject to change

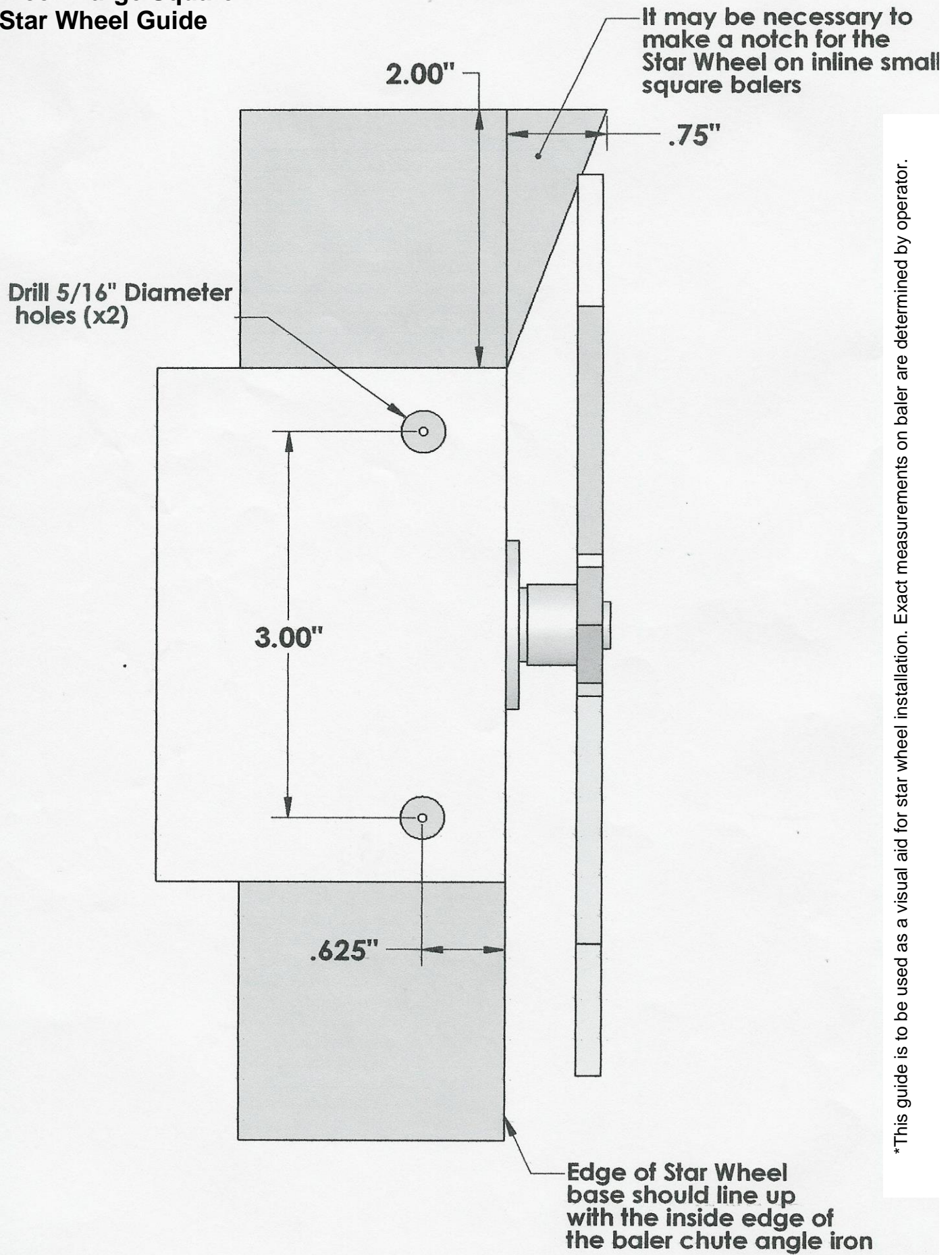
## 4541B Installation Kit



| <u>Ref</u> | <u>Description</u> | <u>Part Number</u> | <u>Qty</u> | <u>Ref</u> | <u>Description</u>  | <u>Part Number</u> | <u>Qty</u> |
|------------|--------------------|--------------------|------------|------------|---------------------|--------------------|------------|
| 1          | Holder             | 001-4435KC         | 1          | 11         | Cap                 | 004-4723           | 3          |
| 2          | Shield             | 001-4435NSX        | 1          | 12         | Fitting             | 003-A1414VB        | 3          |
| 3          | Fitting            | 003-F14            | 3          | 13         | Strainer            | 004-1203-100       | 3          |
| 4          | Manifold Block     | 001-4435NSB        | 2          | 14         | Check Valve         | 004-1207VB         | 3          |
| 5          | Lynch Pin          | 008-4576           | 2          | 15         | Fitting             | 003-A1414F         | 3          |
| 6          | Tip-Red            | 004-T8003-PT       | 2          | 16         | Clear Tubing-1/4"   | 002-9016           | 4ft        |
| 7          | Tip-Brown          | 004-T80015-PT      | 2          | 17         | Blue Stripe Tubing  | 002-9016B          | 4ft        |
| 8          | Tip-Pink           | 004-T8001-PT       | 2          | 18         | Green Stripe Tubing | 002-9016G          | 4ft        |
| 9          | Tip-Stainless      | 004-T800067-SS     | 2          | 19         | EVA-1/4"            | 002-9006           | 1ft        |
| 10         | Hose Clamp         | 003-9002           | 15         | 20         | Fitting             | 003-A1414          | 9          |
|            |                    |                    |            | NP         | Mini Plano Box      | 008-9001           | 1          |
|            |                    |                    |            | NP         | EOB Bracket         | 001-4648K          | 1          |

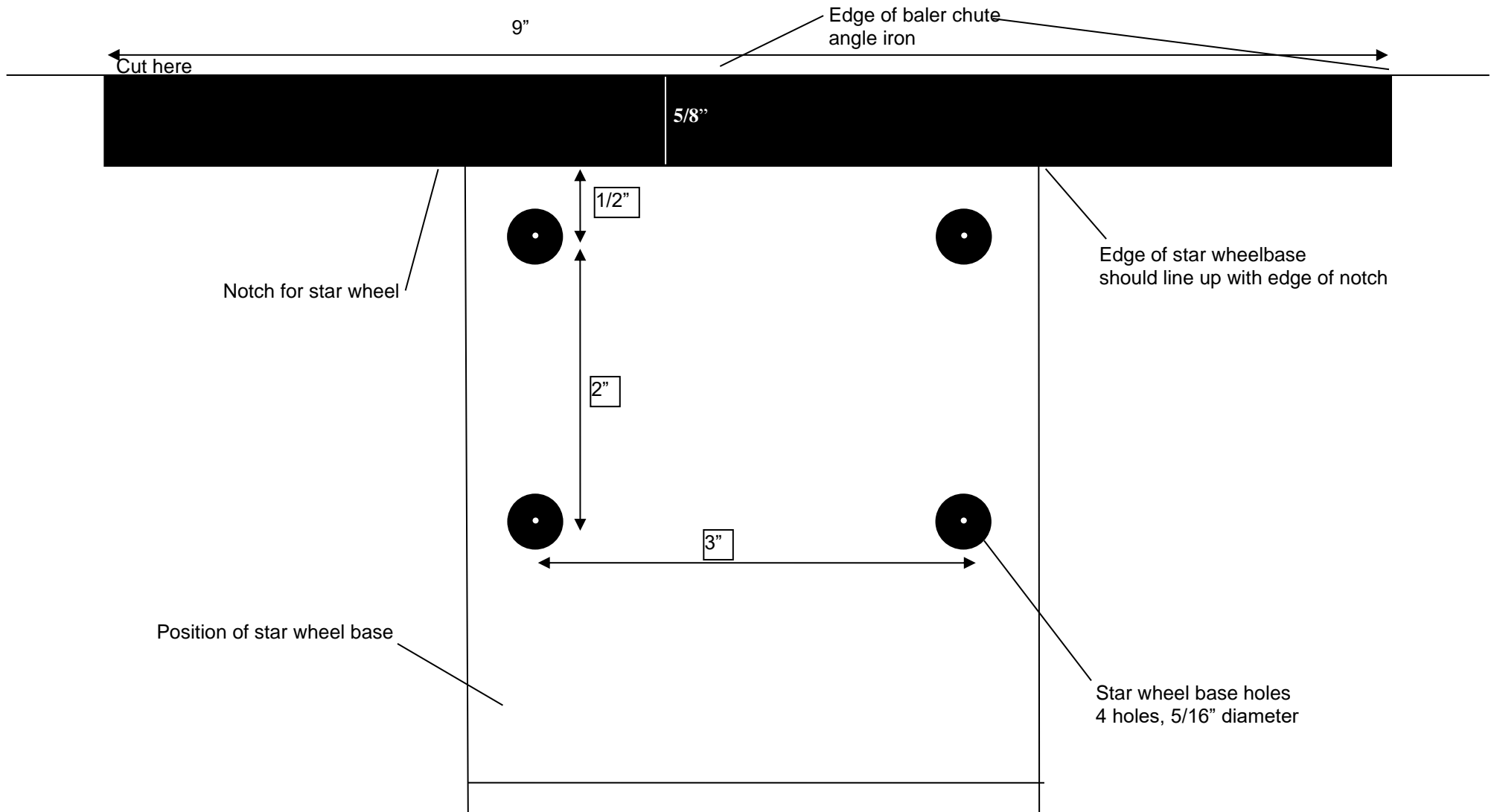
\* Tip color subject to change

## Vicon Large Square Star Wheel Guide



\*This guide is to be used as a visual aid for star wheel installation. Exact measurements on baler are determined by operator.

## Star Wheel Installation Guide



\*This guide is to be used as a visual aid for star wheel installation. Exact measurements on baler are determined by operator.



**Notes:**

## **Harvest Tec LLC. Warranty and Liability Agreement**

Harvest Tec, Inc. will repair or replace components that are found to be defective within 12 months from the date of manufacture. Under no circumstances does this warranty cover any components which in the opinion of Harvest Tec, Inc. have been subjected to negligent use, misuse, alteration, accident, or if repairs have been made with parts other than those manufactured and obtainable from Harvest Tec, Inc.

Our obligation under this warranty is limited to repairing or replacing free of charge to the original purchaser any part that in our judgment shows evidence of defective or improper workmanship, provided the part is returned to Harvest Tec, Inc. within 30 days of the failure. If it is determined that a non-Harvest Tec branded hay preservative has been used inside the Harvest Tec applicator system where the failure occurred, then Harvest Tec reserves the right to deny the warranty request at their discretion. Parts must be returned through the selling dealer and distributor, transportation charges prepaid.

This warranty shall not be interpreted to render Harvest Tec, Inc. liable for injury or damages of any kind, direct, consequential, or contingent, to persons or property. Furthermore, this warranty does not extend to loss of crop, losses caused by delays or any expense prospective profits or for any other reason. Harvest Tec, Inc. shall not be liable for any recovery greater in amount than the cost or repair of defects in workmanship.

There are no warranties, either expressed or implied, of merchantability or fitness for particular purpose intended or fitness for any other reason.

This warranty cannot guarantee that existing conditions beyond the control of Harvest Tec, Inc. will not affect our ability to obtain materials or manufacture necessary replacement parts.

Harvest Tec, Inc. reserves the right to make design changes, improve design, or change specifications, at any time without any contingent obligation to purchasers of machines and parts previously sold.

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