

# Installation Manual

## **MODEL 547C** ***55 Gallon Automatic Preservative Applicators***



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## Introduction

Thank you for purchasing this 547C Hay Preservative Applicator System for your Round Baler. Please read this manual carefully to ensure correct steps are followed when attaching the applicator to the baler. This applicator is designed to apply Harvest Tec buffered propionic acid. The model 547C base kit includes the following parts: Tank, Frame, Pumps, Hose, Baler Mounted Processor, Touchscreen Display, Moisture Sensors, and Miscellaneous Hardware. The applicator can be installed on the Round Balers with the proper installation kit. Before installing the unit on the baler, make sure you have the proper installation kit. (See the chart below.) If you are unsure about your installation kit please contact your local authorized dealer for specifications. For your convenience we have included a parts break down for the model 547C Hay Preservative Applicator System.

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

## Tools Needed

Standard wrench set  
Standard screw driver or 5/16" nut driver  
SAE sock set  
Drill bit set  
Center punch

Side cutter  
Hose cutter  
Hammer  
Crescent wrench  
Level

# Installation of the Applicator

## 1. Installation of Tank and Saddle

- a. Locate the left saddle leg, 001-4703XL, and mount to left side sheet of baler using two ½" x 1-1/2" hex bolts, ½" lock washers, and ½" flat washers. Do not fully tighten.
- b. Locate the right saddle leg, 001-4703XR, and mount to right side sheet of baler using two ½" x 1-1/2" hex bolts, ½" lock washers, and ½" flat washers. Do not fully tighten.
- c. **Roll Belt 180/460 and RB465 Installation only!** Locate the two anchor extension brackets, 001-4703XAX, and attach one extension bracket to the outside of each leg with two ½" x 1-1/2" hex bolts, ½" lock washers, and ½" flat washers.
- d. Locate the anchor bracket, 001-4703XA, and attach to the side of the extension bracket, 001-4703XAX for 4 X 6 balers (or 001-4703XR and 001-4703XL for other balers) using two ½" x 1-1/2" hex bolts, ½" flat washers, ½" lock washers, and ½" hex nuts. Do not fully tighten. Note that 001-4703XA should be positioned so it is angled toward the round pipe that runs across the width of the baler behind the legs. Repeat procedure for the opposite side.
- e. Locate the u-bolts, 001-4703XAB, and attach the 001-4703XA brackets to the round pipe running across the baler. Tighten the u-bolts evenly. *\*\*Due to minimal clearance between the anchor bracket and the side sheet, use a deep socket and long extension on a ratchet to tighten the u-bolts.*
- f. With the u-bolts, 001-4703XAB, securely tightened around the round pipe, tighten the bolts connecting the anchor brackets, 001-4703XA, to the saddle legs, 001-4703XL & 001-4703XR.
- g. Tighten the hardware attaching the saddle legs, 001-4703XL & 001-4703XR, to the side sheets of the baler.
- h. Install the tank assembly (tanks, straps, handrail, and saddle pan) on the legs. Secure the saddle pan, 001-4703X, to the saddle legs with ½" flat washer, ½" lock washer, and ½" hex nut from the bottom side in four locations. Tighten hardware.

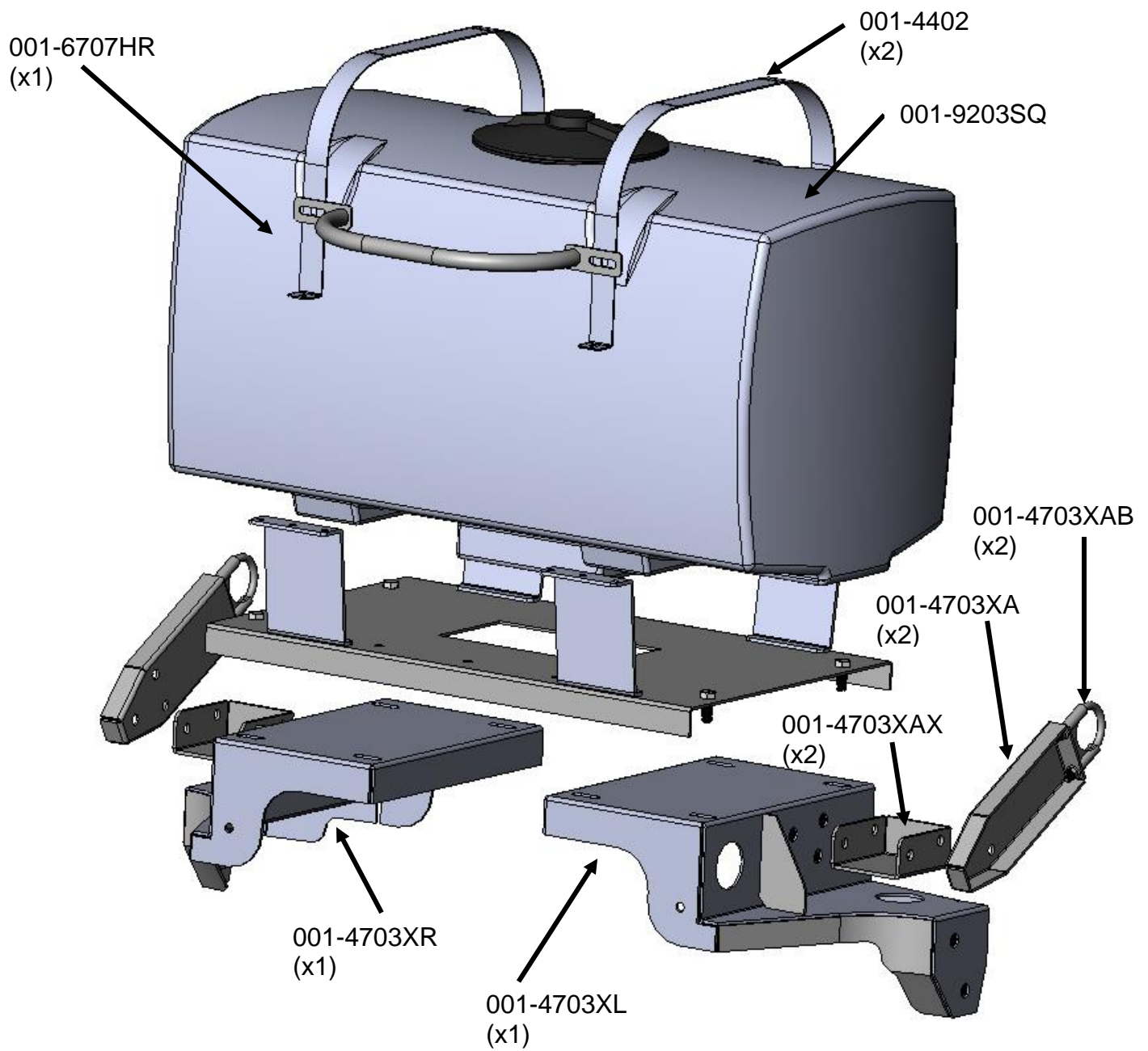
The following pages contain additional illustration for mounting on your baler

4 X 5 pg 7

4 X 6 pg 8

5 X 5 pg 9

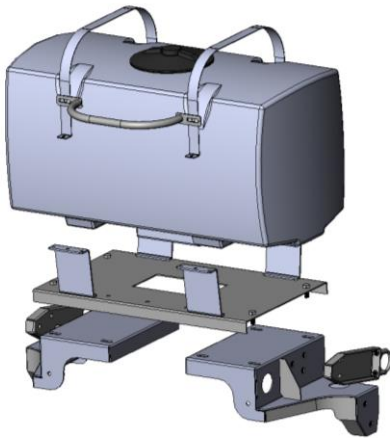
5 X 6 pg 10



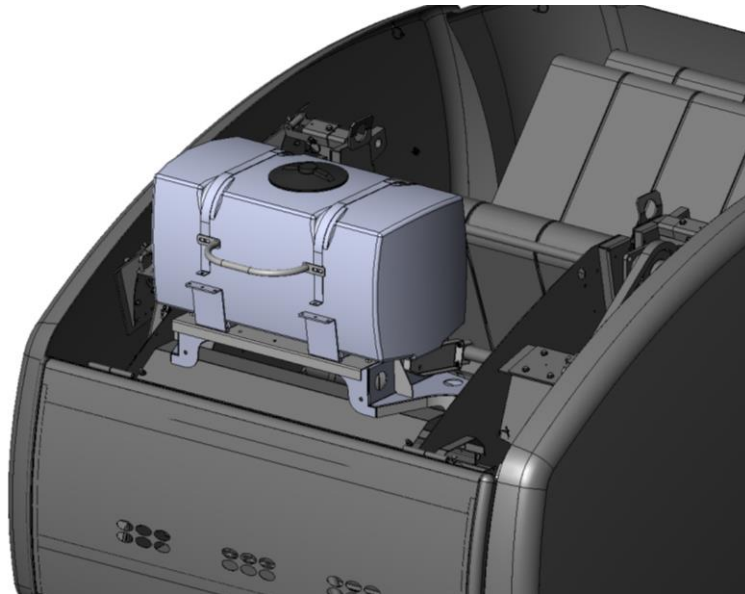
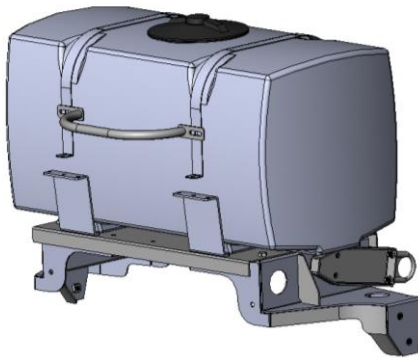
**\*\*001-4703XAX (x2) are ONLY used on 4x6 models**

## 4x5 Baler

### 4x5 Baler Exploded

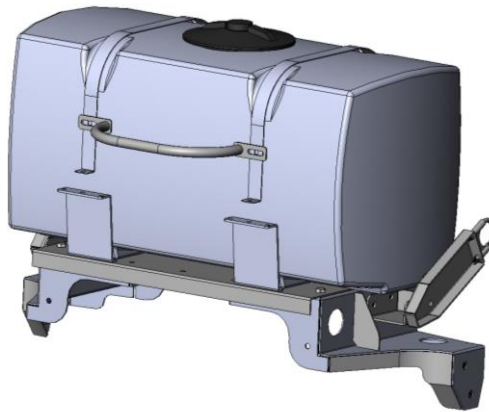
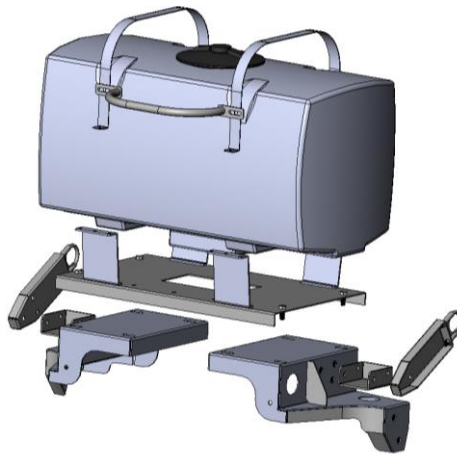


### 4x5 Baler

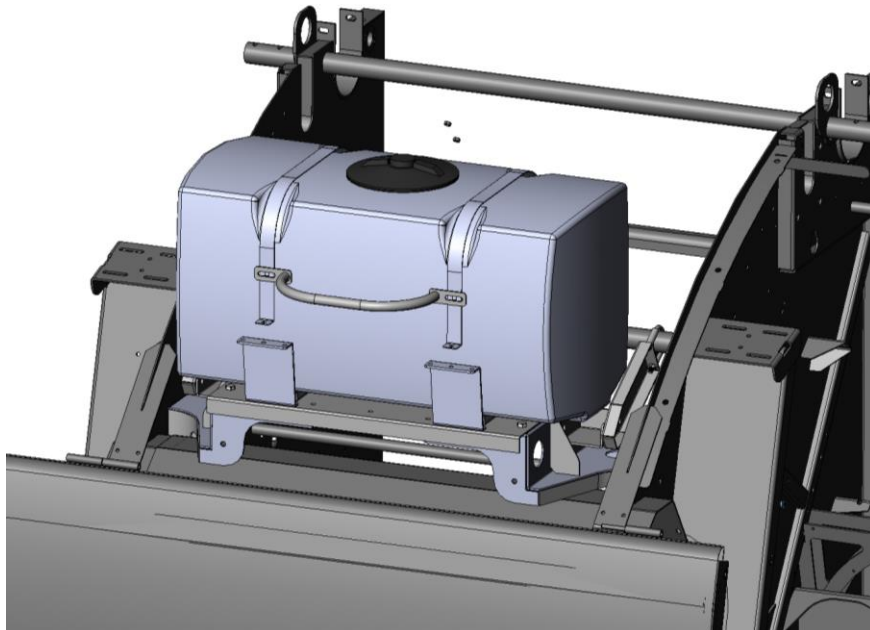


## 4x6 Baler

### 4x6 Baler Exploded



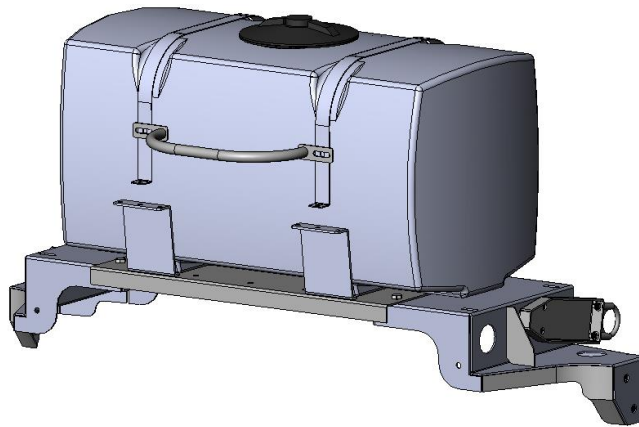
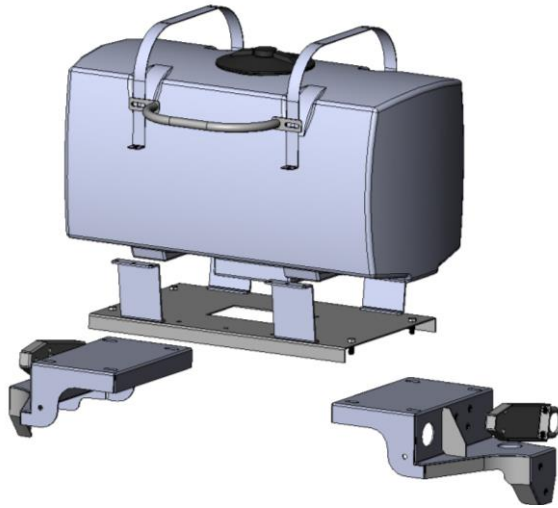
### 4x6 Baler



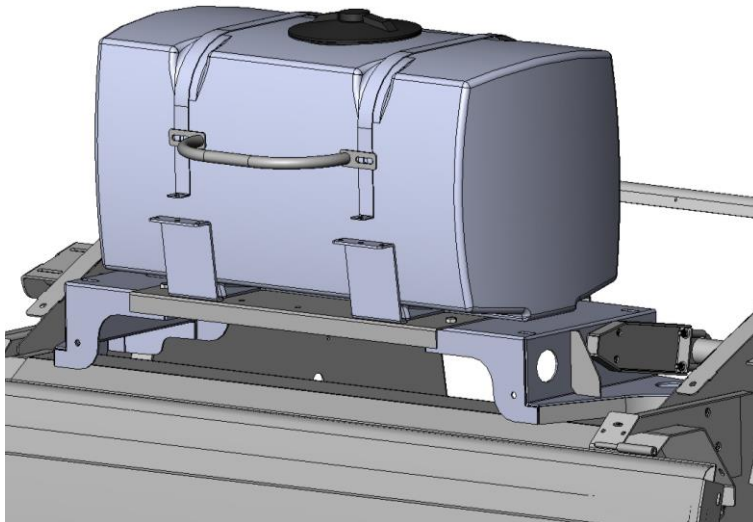


## 5x5 Baler

### 5x5 Baler Exploded

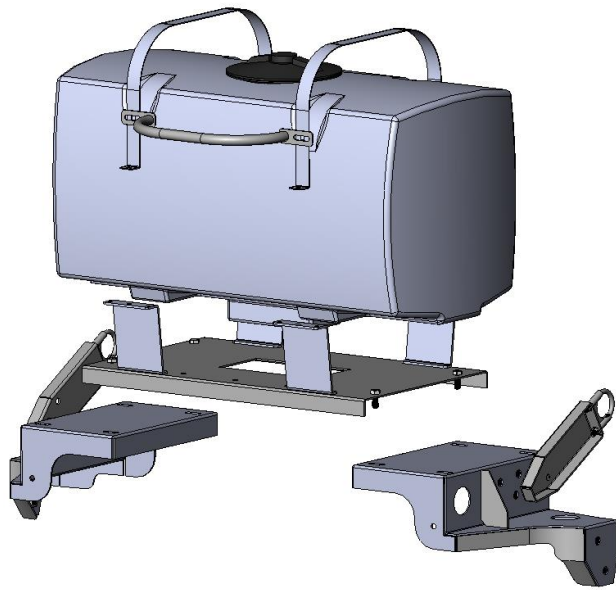


### 5x5 Baler

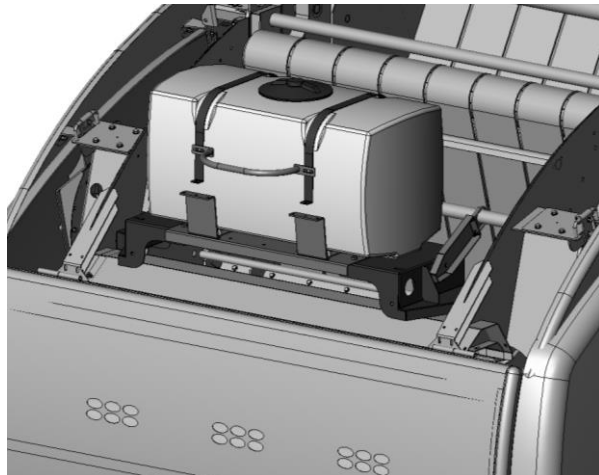
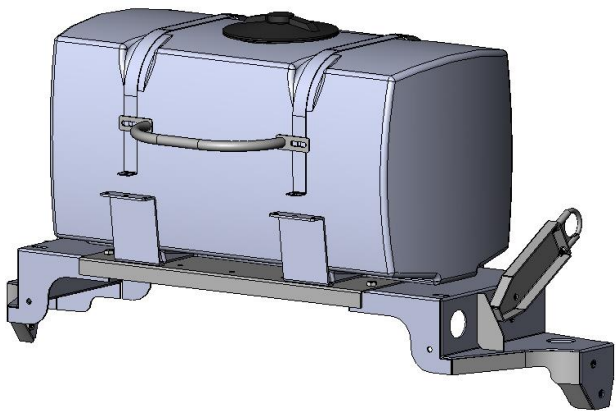


## 5x6 Baler

### 5x6 Baler Exploded

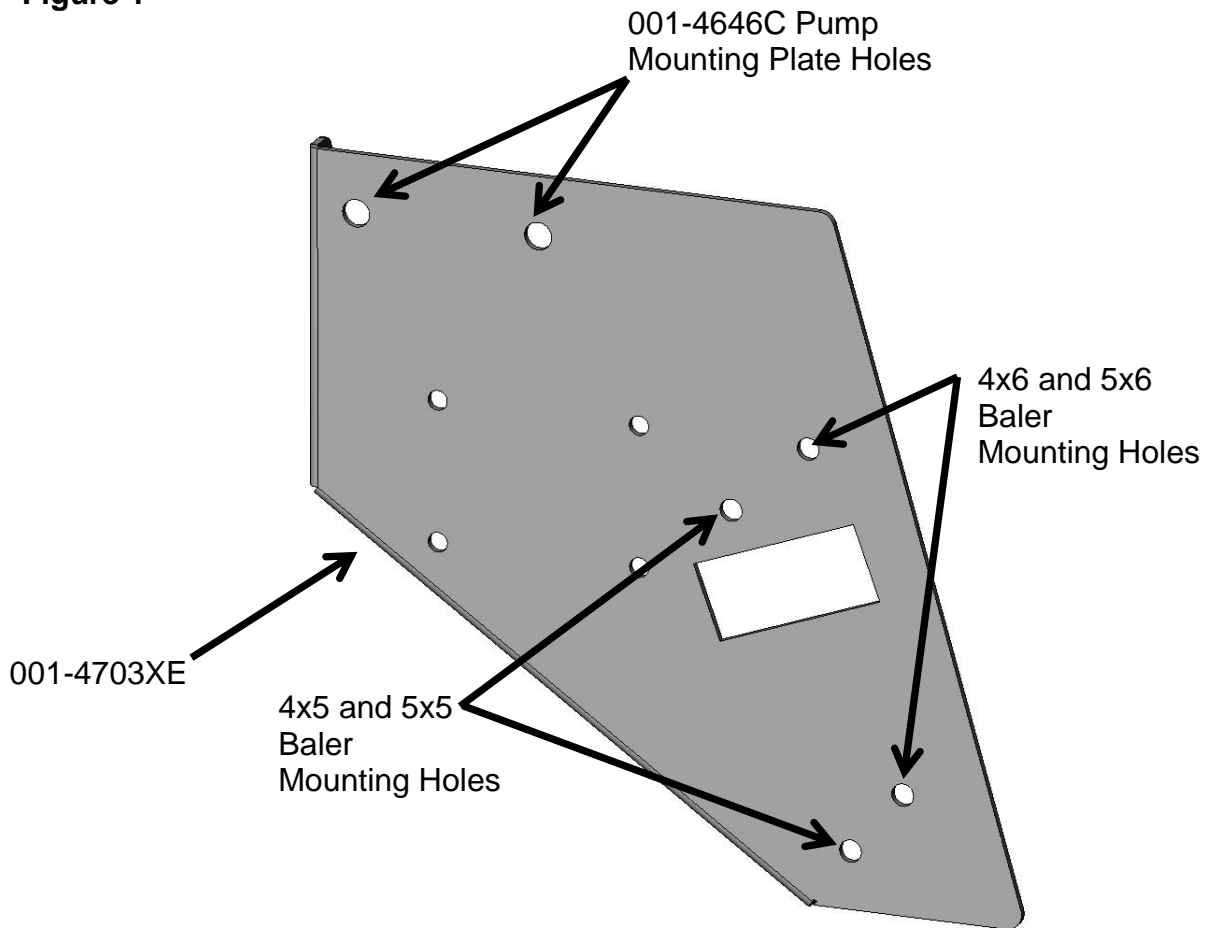


### 5x6 Baler



## 2. Mounting Front Pump Plate Support

**Figure 1**

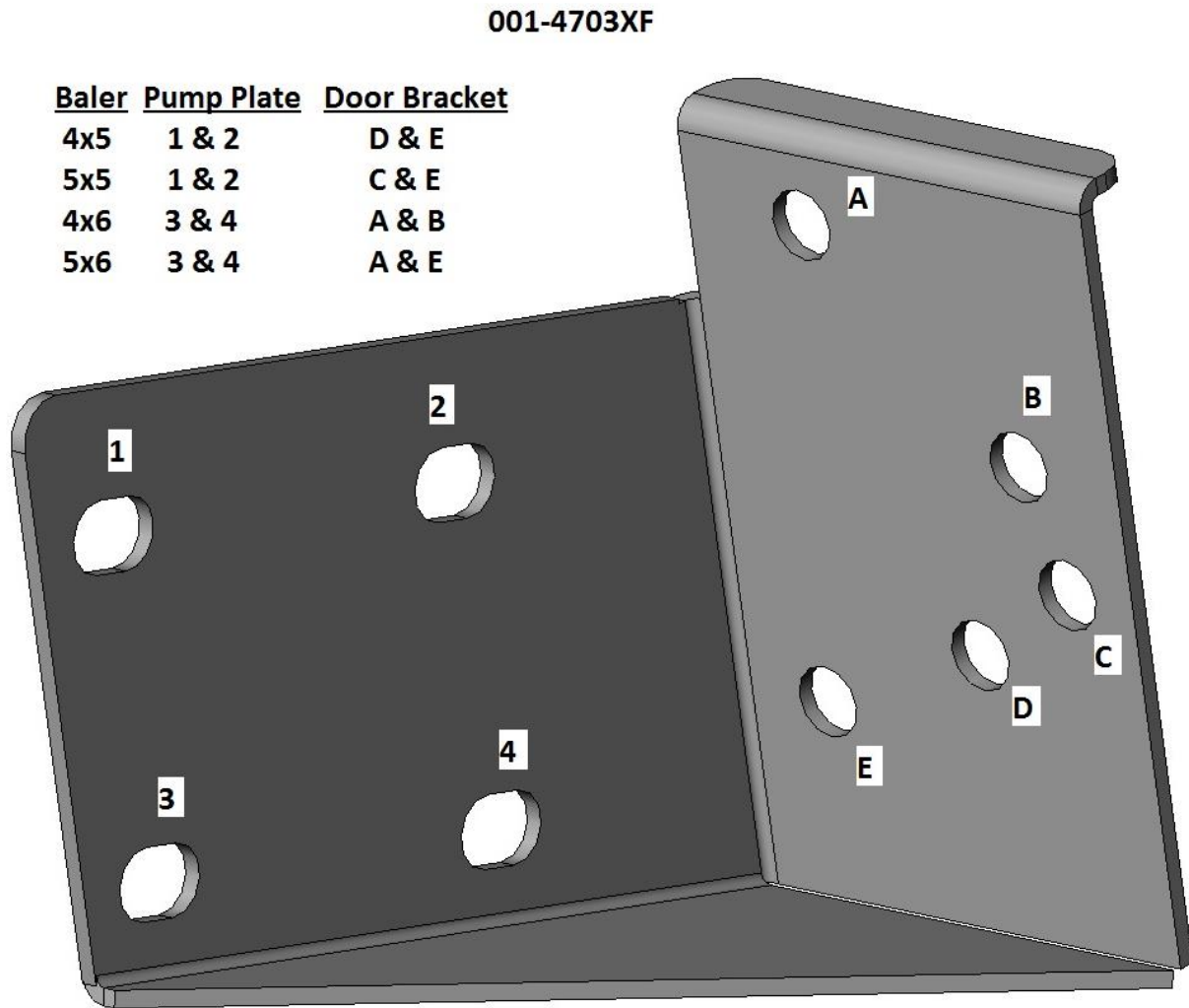


- a. Open right side door of baler.
- b. Locate mounting holes for your size baler in bracket (001-4703XE). Mount bracket to pre-stamped square holes on diagonal support structure of baler. Note pictures on following pages will help in locating the pre-stamped holes on your baler. Secure with two M8 x 25mm carriage bolts and flanged nuts.
- c. Disconnect pump mounting bracket (001-4646C) from pump plate by removing four 3/8" x 3/8" flange bolts. Attach right top corner of pump mounting bracket to bracket (001-4703XE) with two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts. Note: top of both brackets should be flush.

### 3. Mounting Rear Pump Plate Support

Mounting bracket (001-4703XF) will be used to mount the pump mounting bracket to the door support bracket. However each size baler uses a different set of holes in the rear mounting bracket (001-4703XR). Follow the guidance provided below as well as the additional instructions on the next few pages for mounting on your size baler.

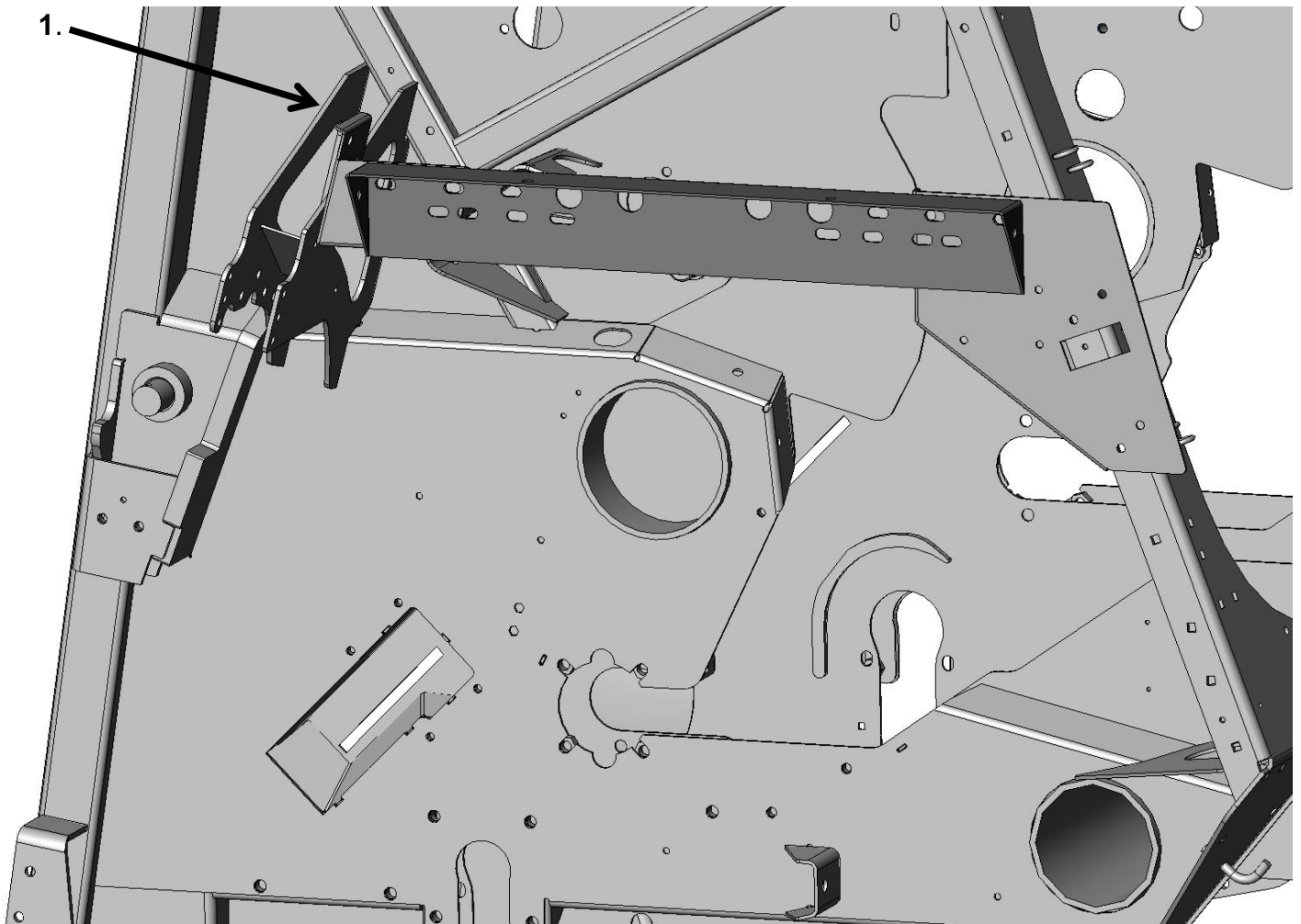
**Figure 2**

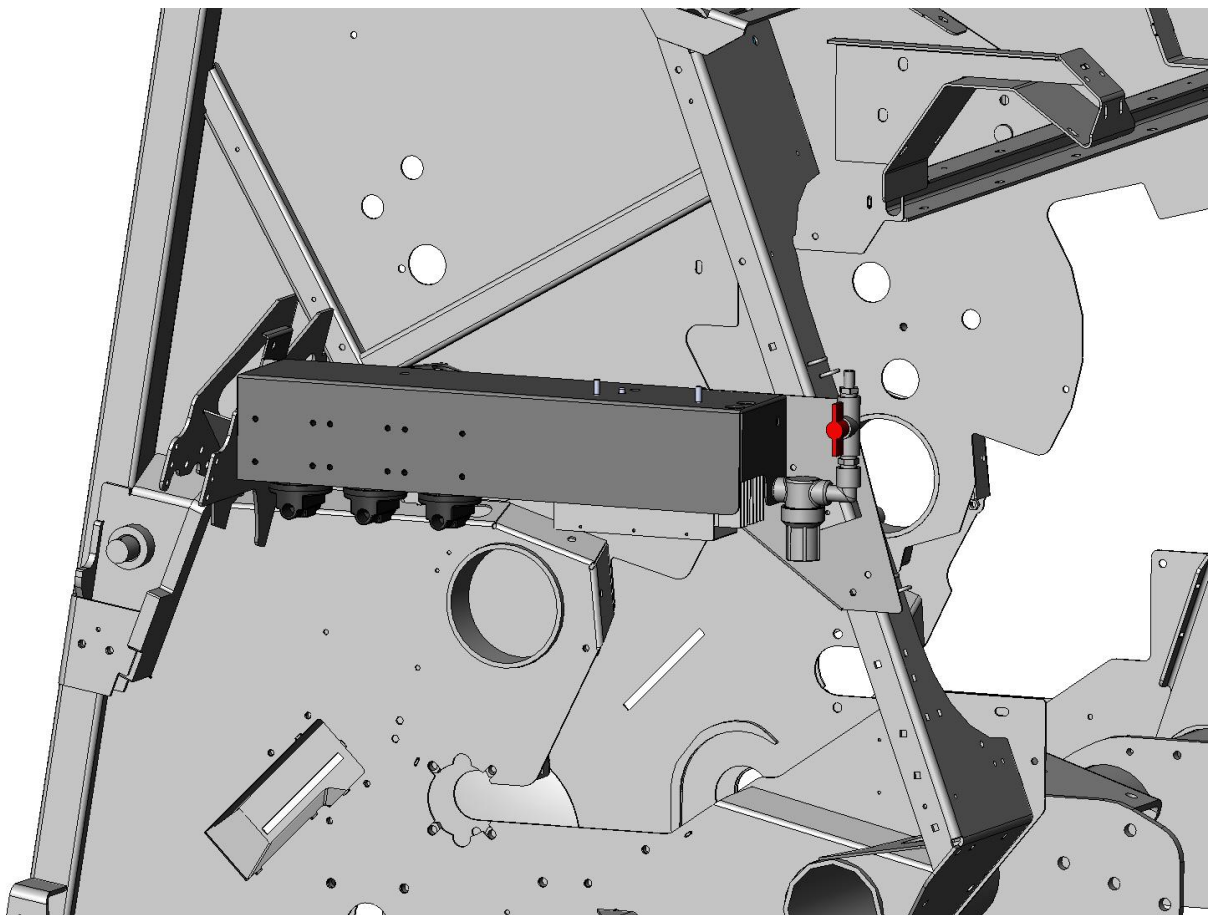
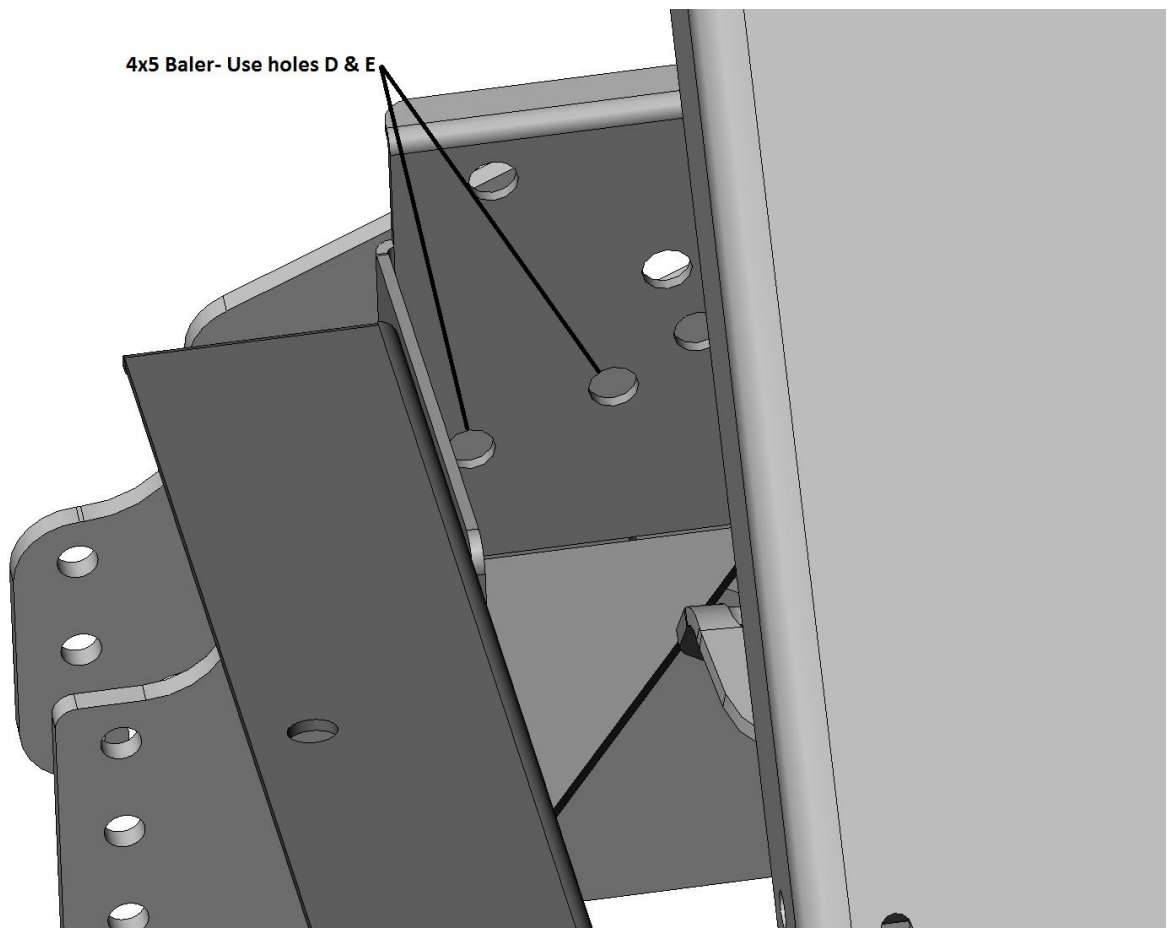


## Mounting Rear Pump Plate Support for 4 X 5 Baler

1. Locate the baler door support bracket. This will be to the left of the Mounting Plate (001-4646C).
2. Use two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts to secure Pump Plate Bracket (001-4703XF) to back side of Pump Mounting Bracket (001-4646C). Use holes **1 and 2** as designated in Figure 2 on the Pump Plate Bracket (001-4703XF). Slide the Pump Plate Bracket (001-4703XF) so it touches the door support bracket.
3. Place a level on top of the Mounting Plate (001-4646C) to make sure it is level. Using the Pump Plate Bracket (001-4703XF) as a guide mark holes (**D and E**) on the door support bracket. Remove brackets (001-4703XF and 001-4646C) for drilling. Center punch holes and drill with a 7/16" drill bit.
4. Once holes are drilled secure (001-4703XF) to door support bracket with two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts.
5. Attach pump mounting bracket back onto brackets (001-4703XF and 001-4703XE) with 3/8" hardware.
6. Attach pump plate with pumps onto Mounting Plate (001-4646C) bracket with 3/8" x 3/4" flange bolts removed earlier.
7. Install pump controller (006-5672) into pump plate using 5/16" flat washers, lock washers, and nuts.

**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.**



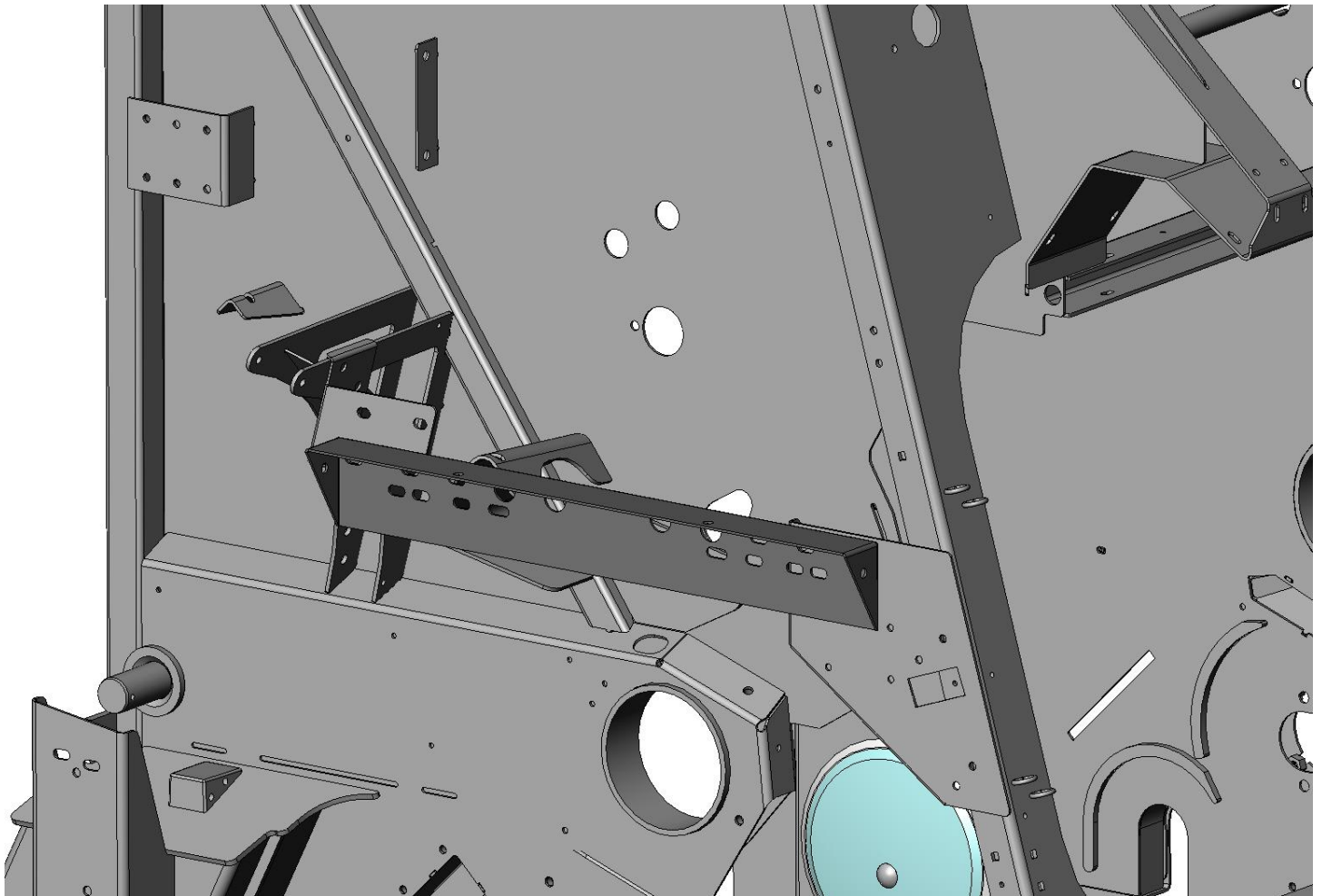




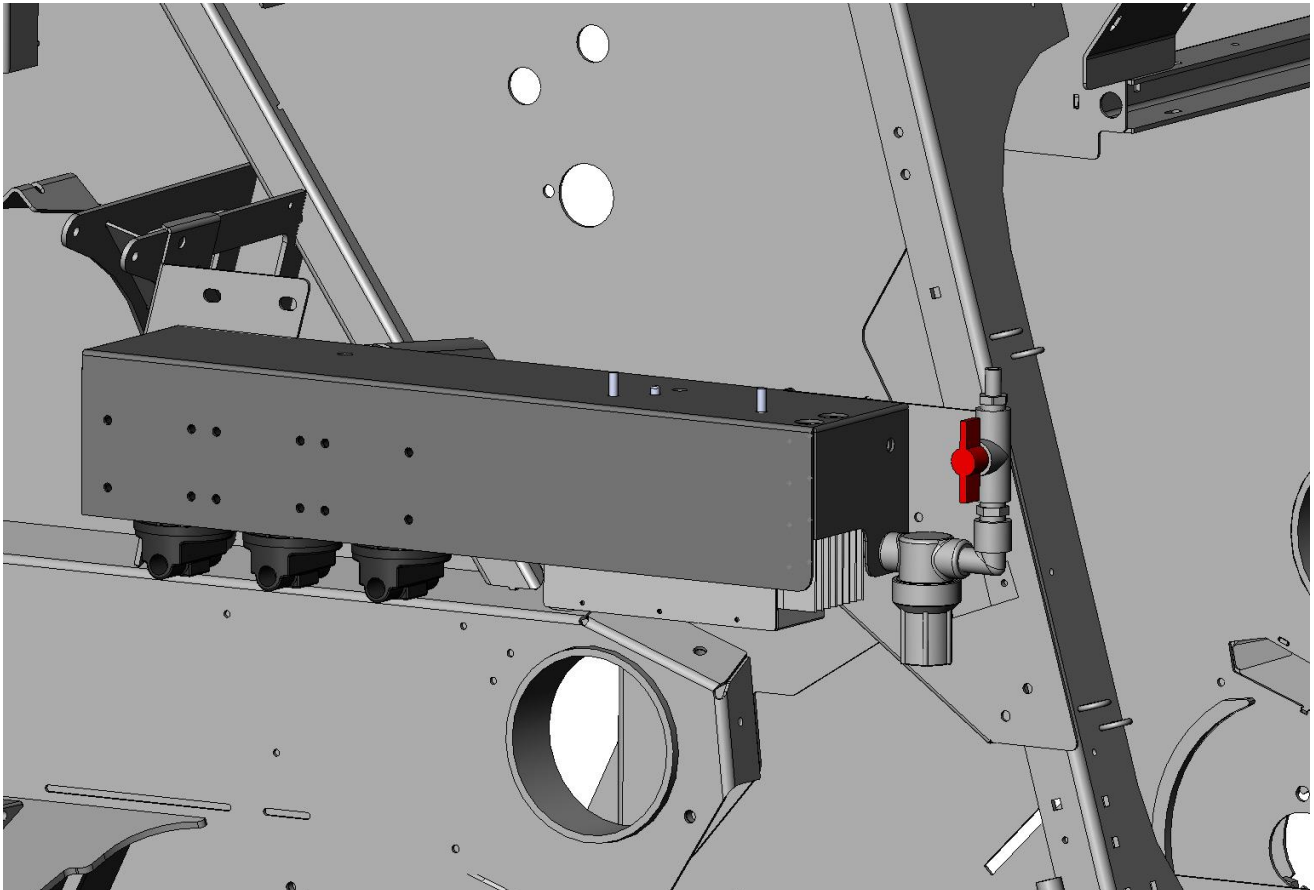
## Mounting Rear Pump Plate Support for the 4 x 6 Baler

1. Locate the baler door support bracket. This will be to the left of the Mounting Plate (001-4646C).
2. Use two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts to secure Pump Plate Bracket (001-4703XF) to back side of Pump Mounting Bracket (001-4646C). Use holes **3 and 4** as designated in Figure 2 on the Pump Plate Bracket (001-4703XF). Slide the Pump Plate Bracket (001-4703XF) so it touches the door support bracket.
3. Place a level on top of the Mounting Plate (001-4646C) to make sure it is level. Using the Pump Plate Bracket (001-4703XF) as a guide mark holes (**A and B**) on the door support bracket. Remove brackets (001-4703XF and 001-4646C) for drilling. Center punch holes and drill with a 7/16" drill bit.
4. Once holes are drilled secure (001-4703XF) to door support bracket with two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts.
5. Attach pump mounting bracket back onto brackets (001-4703XF and 001-4703XE) with 3/8" hardware.
6. Attach pump plate with pumps onto Mounting Plate (001-4646C) bracket with 3/8" x 3/4" flange bolts removed earlier.
7. Install Pump Controller (006-5672) into pump plate using 5/16" flat washers, lock washers, and nuts.

**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.**



4x6 Baler- Use holes A & B

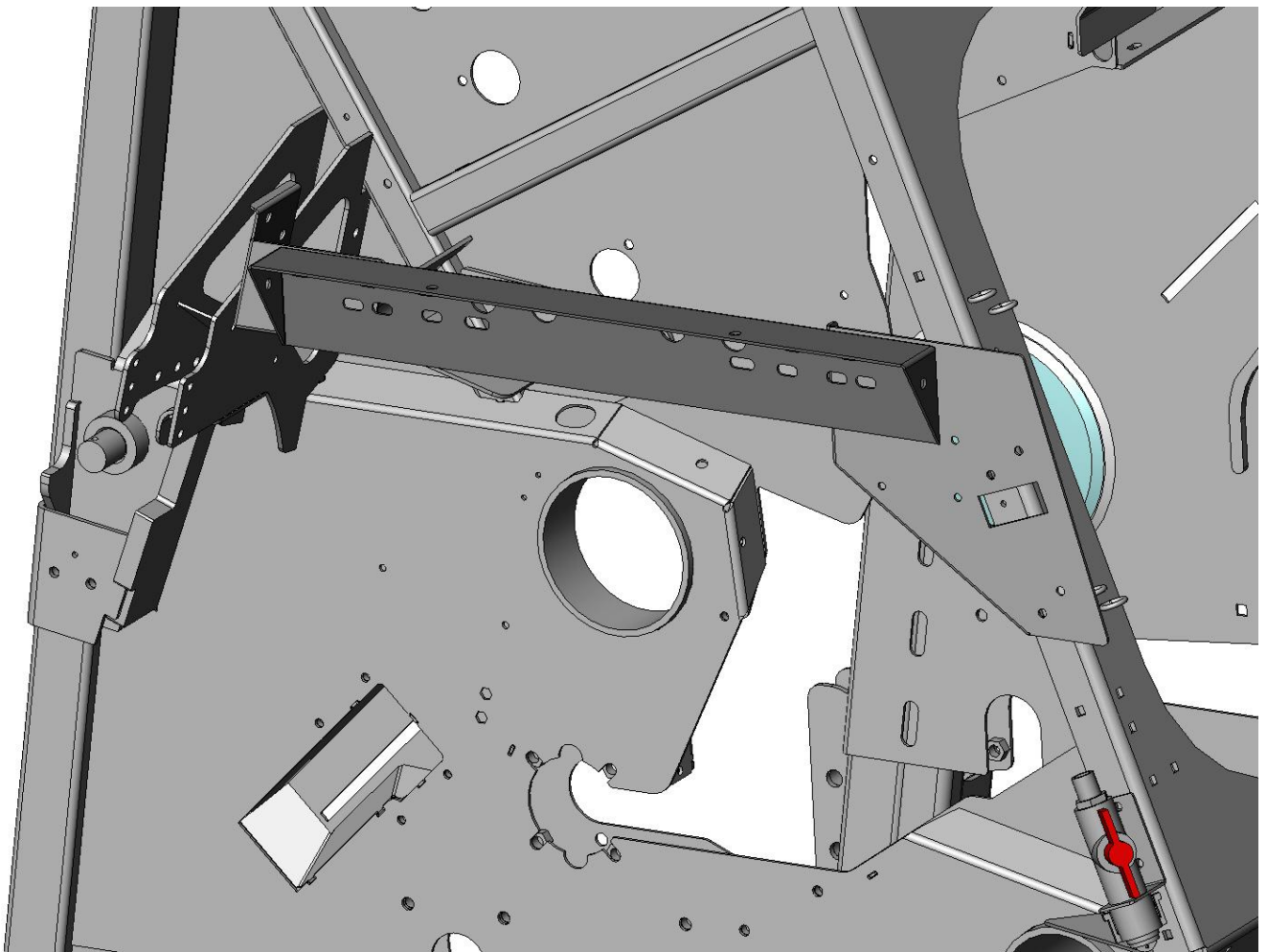


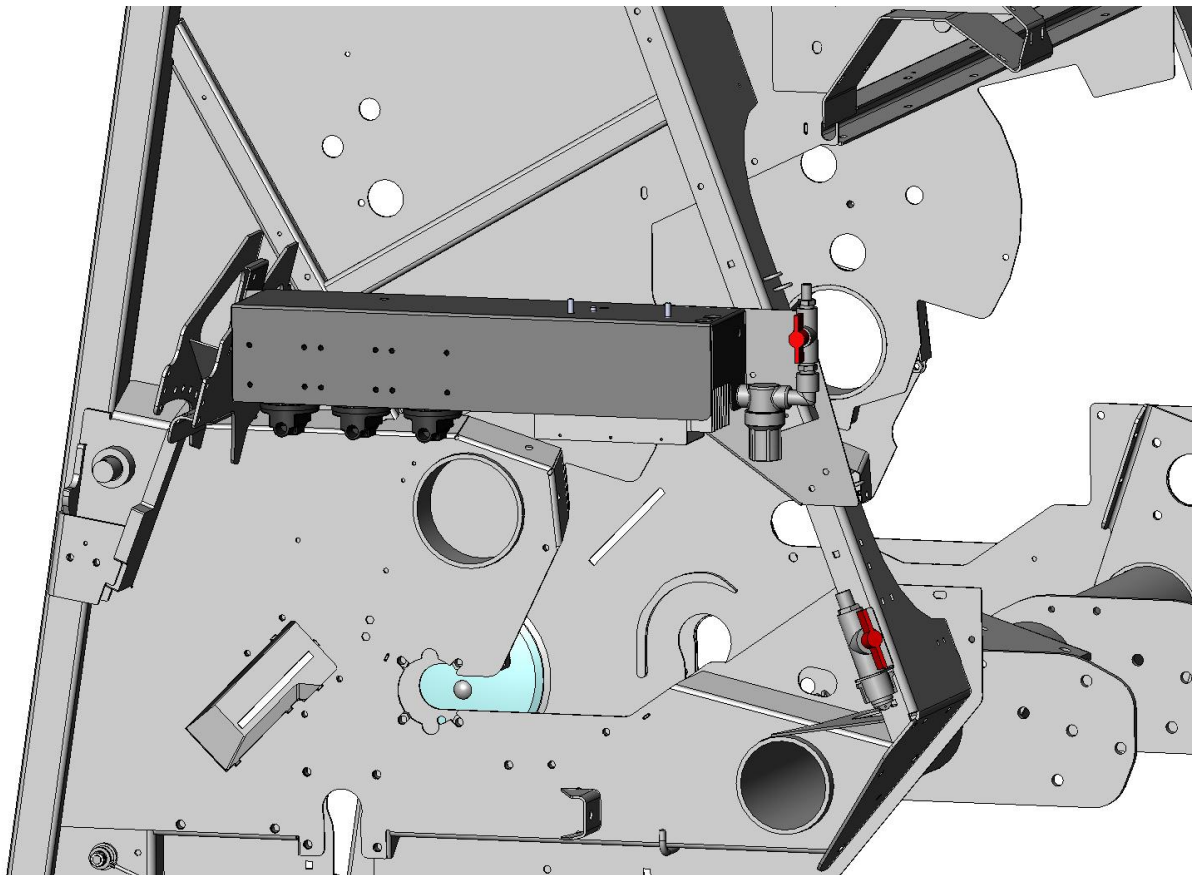
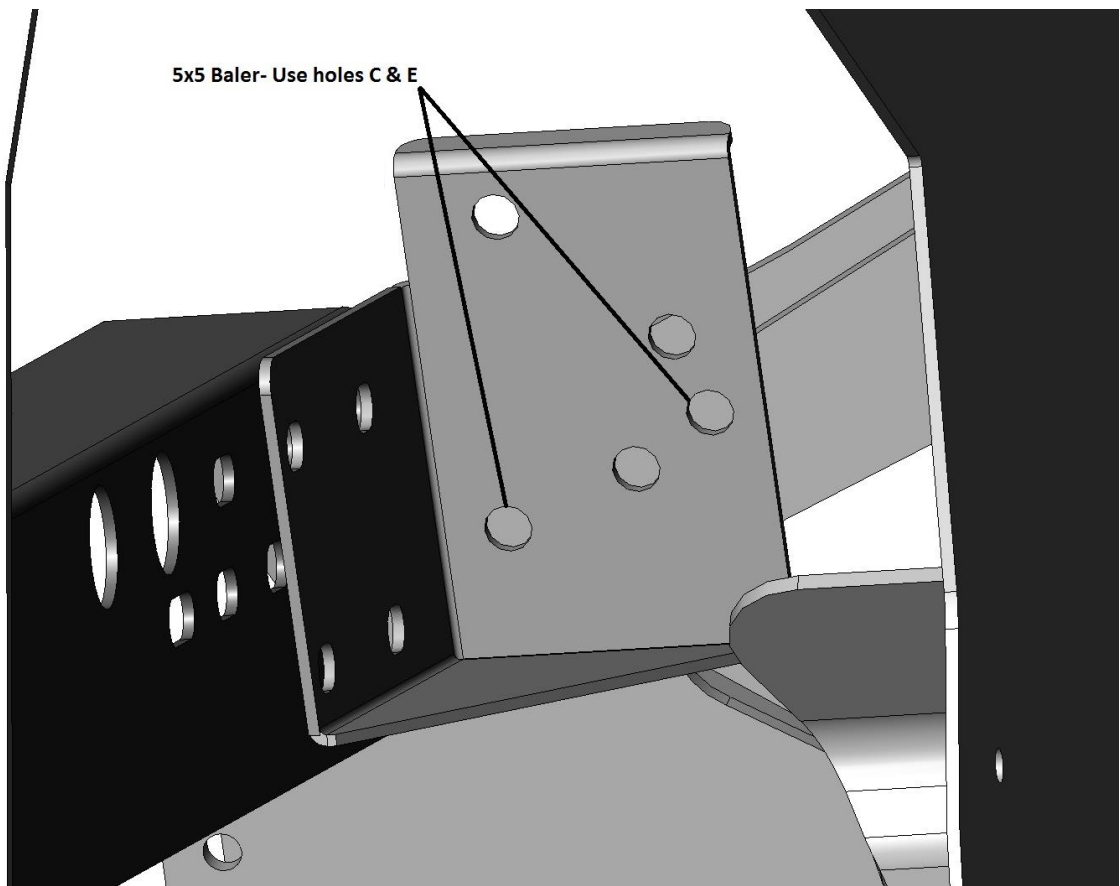


## Mounting Rear Pump Plate Support for the 5 x 5 Baler

1. Locate the baler door support bracket. This will be to the left of the Mounting Plate (001-4646C).
2. Use two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts to secure Pump Plate Bracket (001-4703XF) to back side of Pump Mounting Bracket (001-4646C). Use holes **1 and 2** as designated in Figure 2 on the Pump Plate Bracket (001-4703XF). Slide the Pump Plate Bracket (001-4703XF) so it touches the door support bracket.
3. Place a level on top of the Mounting Plate (001-4646C) to make sure it is level. Using the Pump Plate Bracket (001-4703XF) as a guide mark holes (**C and E**) on the door support bracket. Remove brackets (001-4703XF and 001-4646C) for drilling. Center punch holes and drill with a 7/16" drill bit.
4. Once holes are drilled secure (001-4703XF) to door support bracket with two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts.
5. Attach pump mounting bracket back onto brackets (001-4703XF and 001-4703XE) with 3/8" hardware.
6. Attach pump plate with pumps onto Mounting Plate (001-4646C) bracket with 3/8" x 3/4" flange bolts removed earlier.
7. Install Pump Controller (006-5672) into pump plate using 5/16" flat washers, lock washers, and nuts.

**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.**

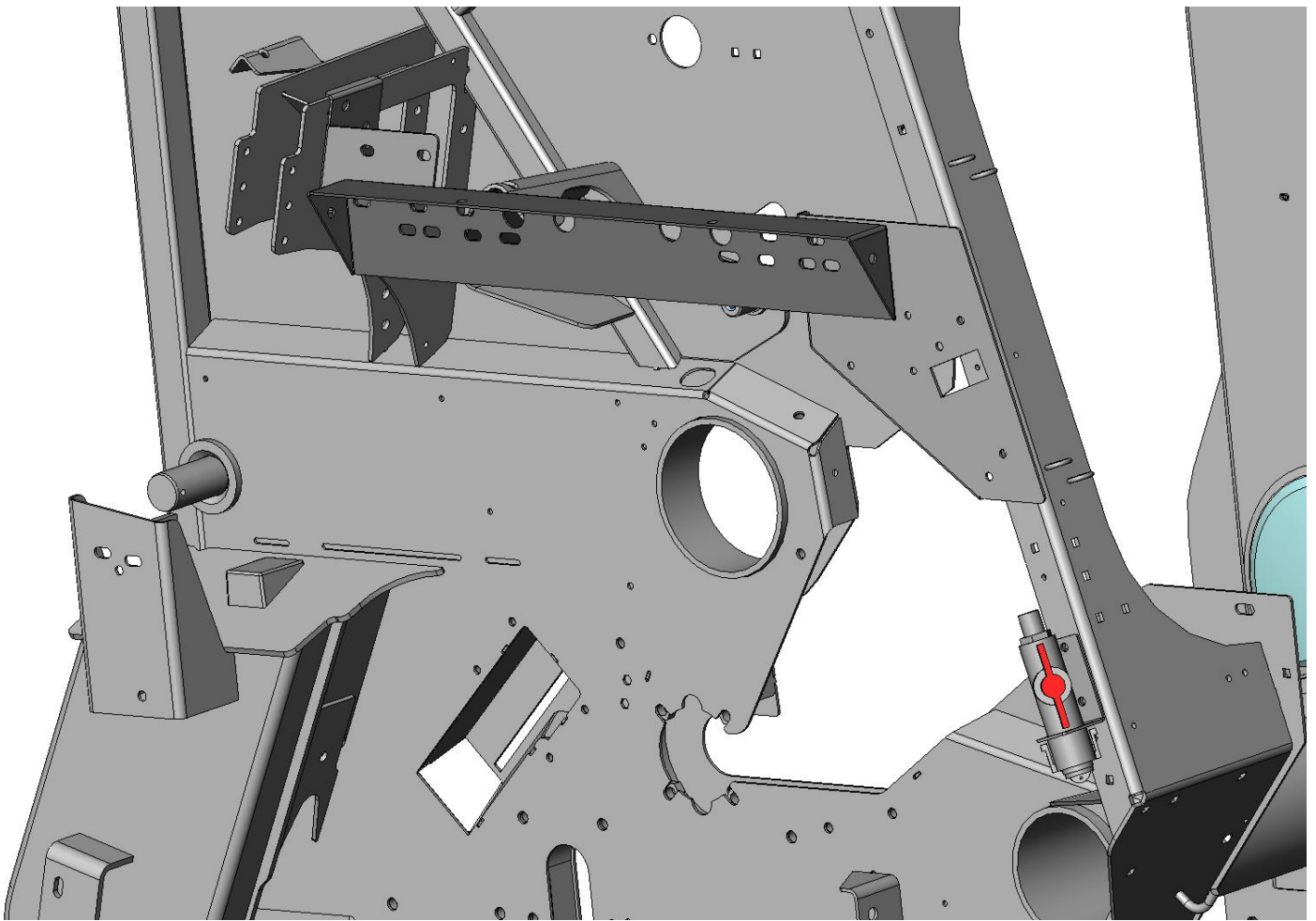


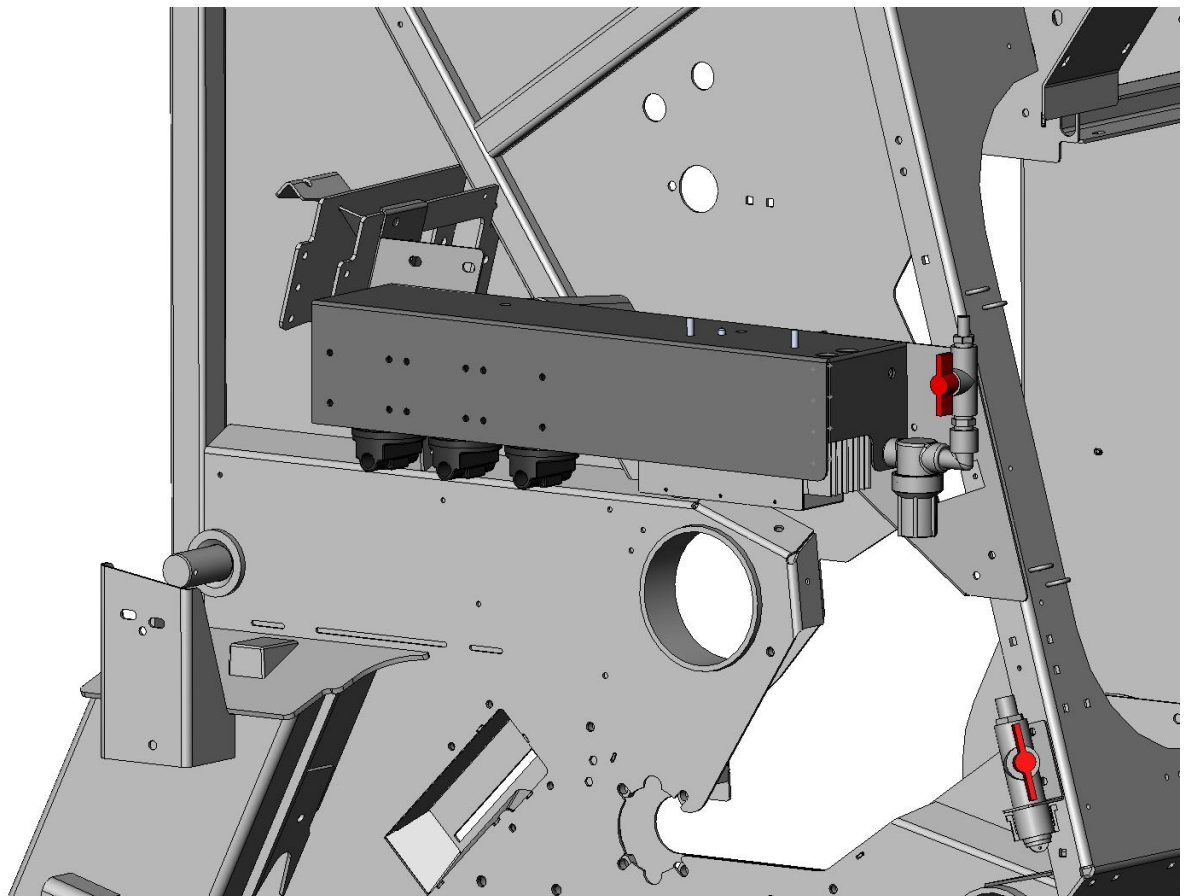
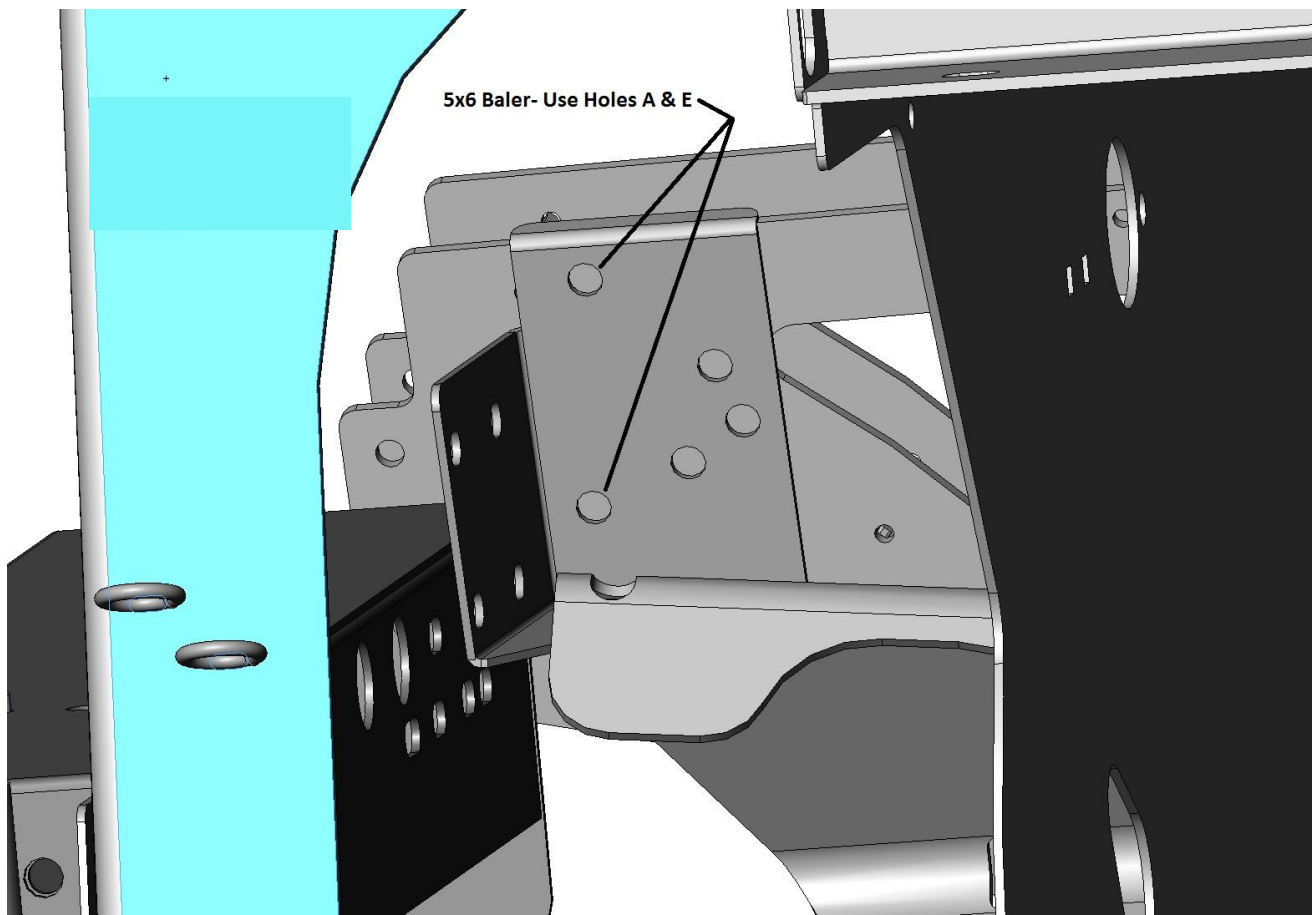


## Mounting Rear Pump Plate Support for the 5 x 6 Baler

1. Locate the baler door support bracket. This will be to the left of the Mounting Plate (001-4646C).
2. Use two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts to secure Pump Plate Bracket (001-4703XF) to back side of Pump Mounting Bracket (001-4646C). Use holes **3 and 4** as designated in Figure 2 on the Pump Plate Bracket (001-4703XF). Slide the Pump Plate Bracket (001-4703XF) so it touches the door support bracket.
3. Place a level on top of the Mounting Plate (001-4646C) to make sure it is level. Using the Pump Plate Bracket (001-4703XF) as a guide mark holes (**A and E**) on the door support bracket. Remove brackets (001-4703XF and 001-4646C) for drilling. Center punch holes and drill with a 7/16" drill bit.
4. Once holes are drilled secure (001-4703XF) to door support bracket with two 3/8" x 1" hex bolts, flat washers, lock washers, and nuts.
5. Attach pump mounting bracket back onto brackets (001-4703XF and 001-4703XE) with 3/8" hardware.
6. Attach pump plate with pumps onto Mounting Plate (001-4646C) bracket with 3/8" x 3/4" flange bolts removed earlier.
7. Install Pump Controller (006-5672) into pump plate using 5/16" flat washers, lock washers, and nuts.

**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.**

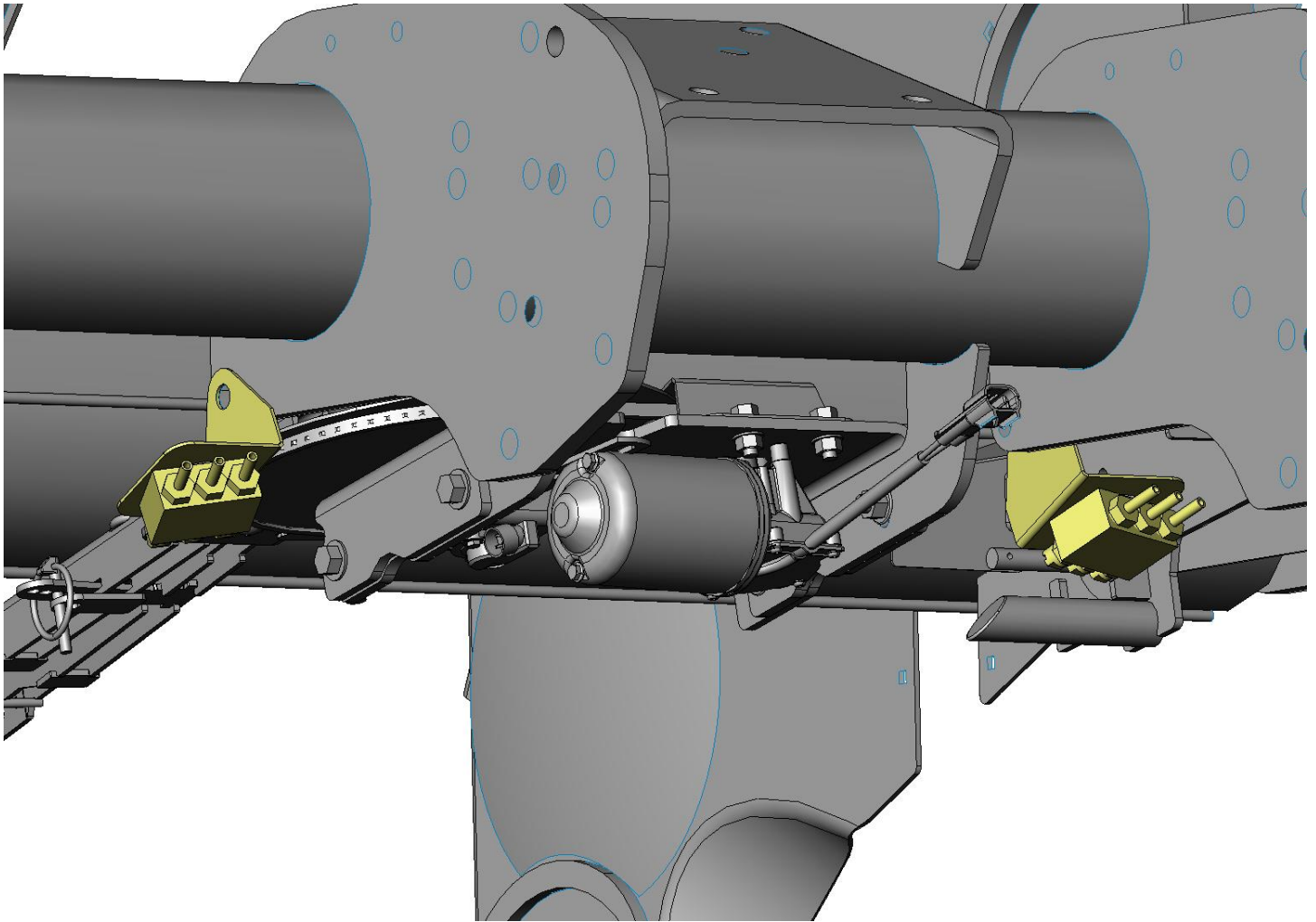






#### 4. Installation of the Spray Nozzles

- a. Locate nozzle block hanger assemblies with tips pre-installed.
- b. The assembly with the check valves will be mounted to the left hitch support plate when standing next to the PTO just in front and under the large round cross support tube. Use  $\frac{1}{2}$ " x  $1\frac{1}{4}$ " Bolt, flat washer, lock washer, and nut to secure to baler. Repeat for the other assembly on the other side.
- c. Loosen Philip screw on nozzle block and turn them slightly in toward each other.
- d. Measure distance between hose barb fittings and cut one each of the three colors of hose to that length. Attach them to the nozzle assemblies with the same color and secure them with hose clamps.

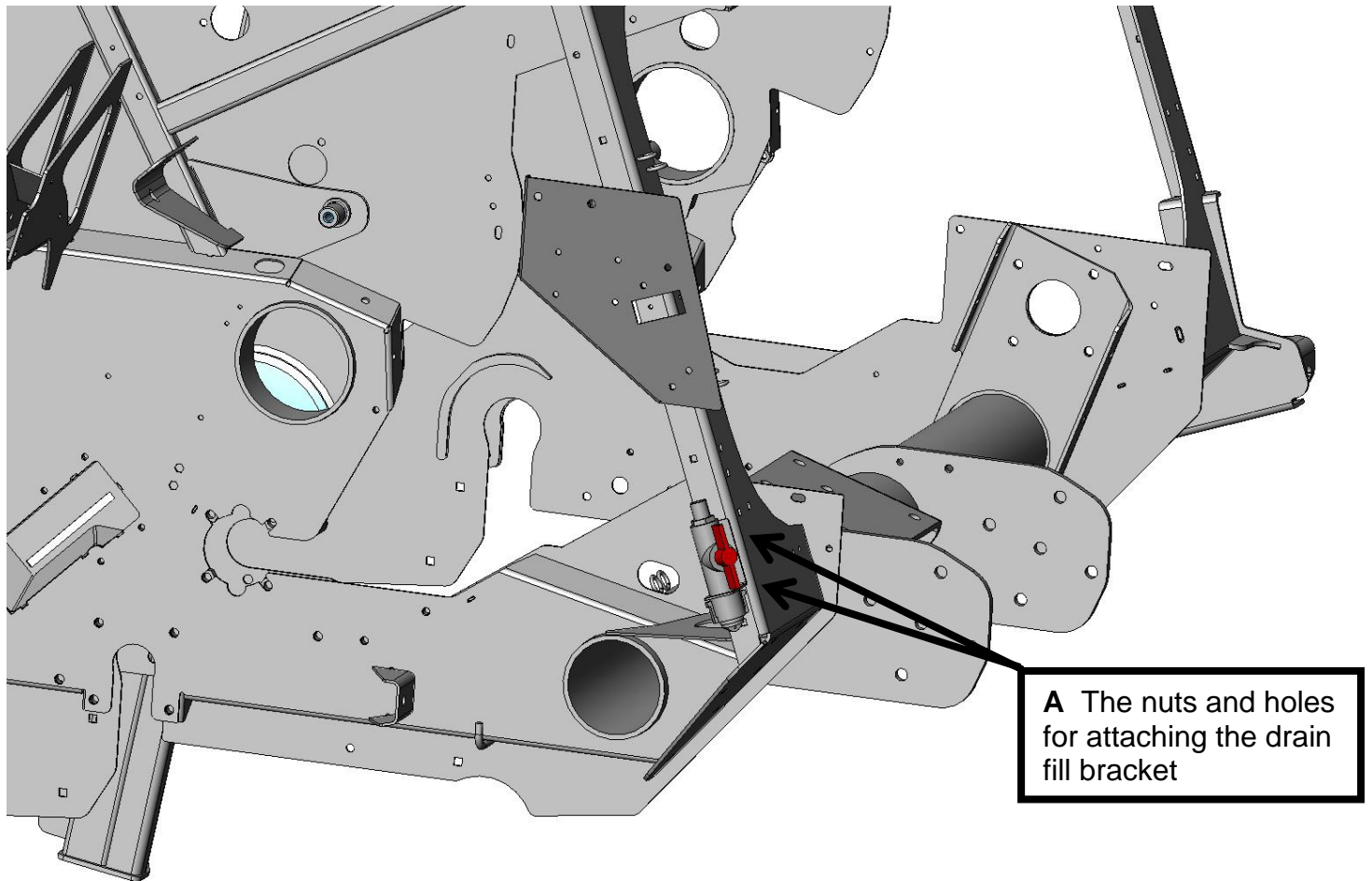


## 5. Installation of Drain Fill Kit

Locate parts bag 1. Thread 3/4" elbow fitting (#003-EL3434) into end of tank. Run 3/4" hose from the elbow down the frame to the bottom of the baler. Locate the two holes on the baler's angled support bracket that line up with the holes in the valve bracket and attach using two 5/16" x1" self-tapping screws and secure with two 5/16" flange nuts. Connect valve assembly to other end of hose. Place hose clamps on both ends. Install supplied safety decals (DCL-8001 & DCL-8005) next to the ball valve assembly.

Locate the two holes near the bottom of the angled support tube that the drain/fill bracket matches up with (A). Remove the existing nuts and install the drain/fill bracket. Reinstall the original nuts to secure the drain/fill bracket to the baler.

\*Secure hose to frame using cable locks.



## **6. Installation of Plumbing**

### **A. Intake**

Use the 003-EL3412 on the bottom of the tank to route 1/2" line (002-9001) to the 003-A1212 fitting on the ball valve already attached to the pump plate. Attach hose clamps (003-9003) on both of the fittings.

### **B. Discharge**

The three – 1/4" hose assembly will be used to attach the pumps to the spray blocks. The pump order starts with the pump closest to the filter bowl numbering 1,2, and 3. Pump one will attach using the clear hose, pump two will use the green striped hose and pump three will use the blue striped hose. Attach each hose to the check valve of the same color coming from the spray blocks.

### **C. High and Low Output Tips**

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

-The low set will cover outputs of 32 to 440 lbs/hr. Install the following tips for low output:

Clear hose to silver tips

Green striped hose to pink tips

Blue striped hose to brown tip.

-The high set will cover outputs of 84 to 632 lbs/hr. Install the following tips for high output:

Clear hose to pink tips.

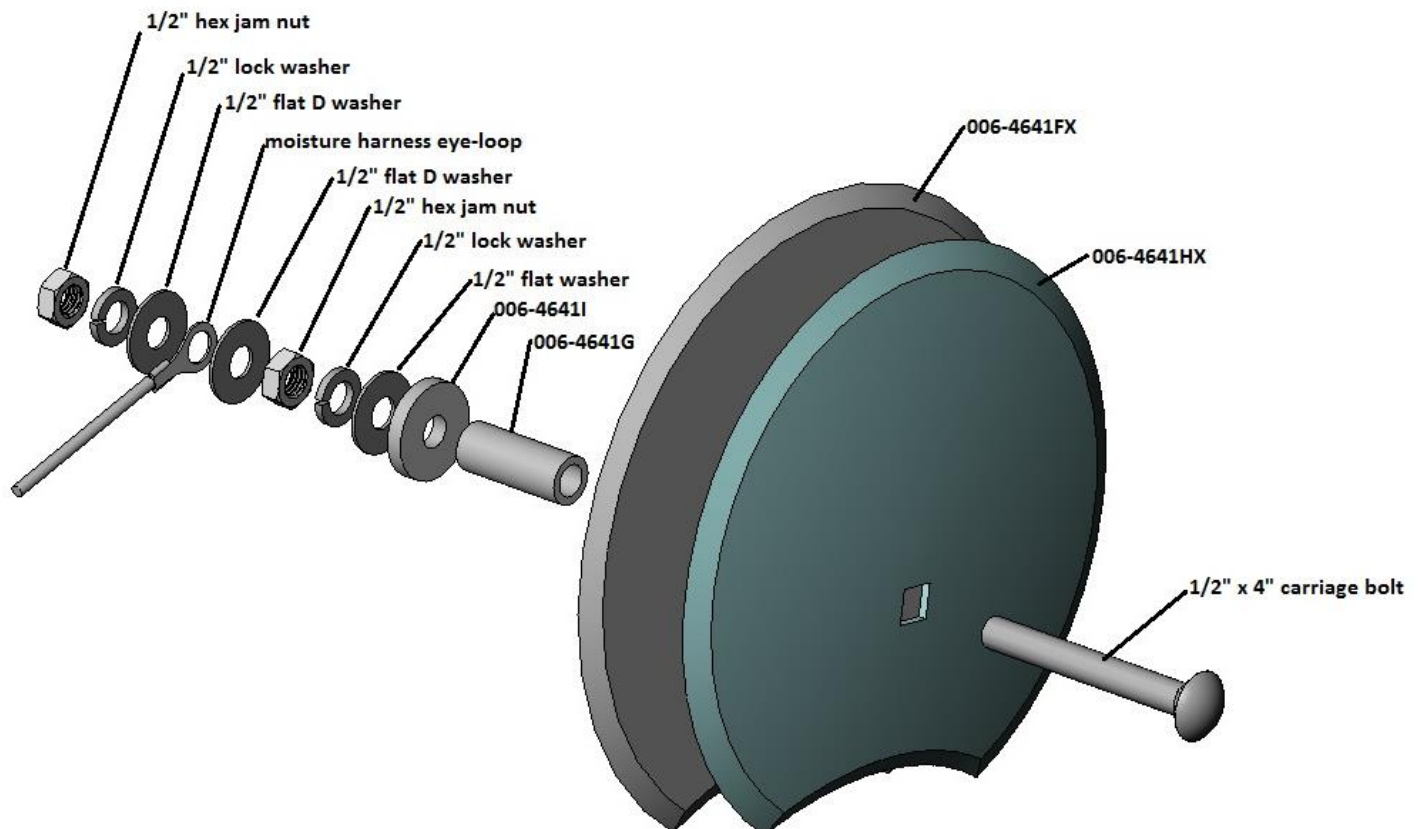
Green striped hose to brown tips.

Blue striped hose to yellow tips.

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

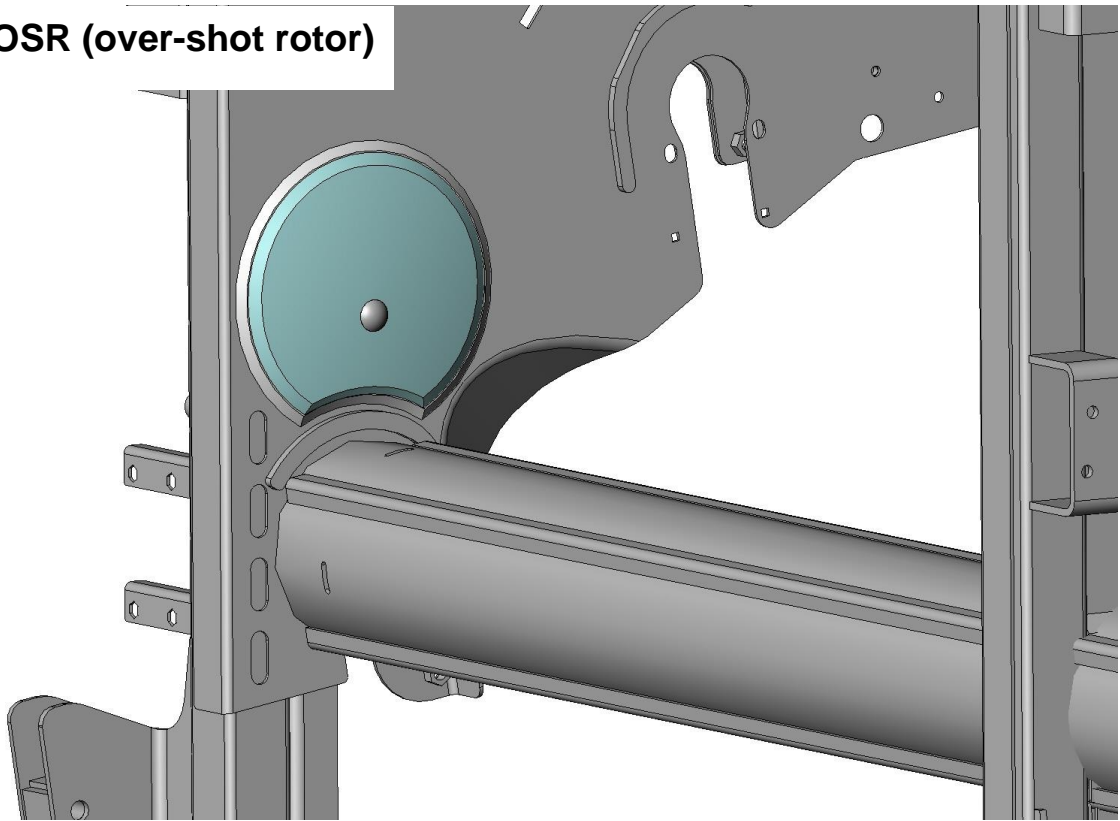
## 7. Installation of Moisture Sensor Pads and Disks

- a. Open rear tail gate of baler and lock in the up position. Refer to baler manual on how to lock door open.
- b. Remove bale shaping discs on each side of chamber by grinding welds. Once removed grind any remaining welds so sides of bale chamber are smooth.
- c. Place plastic isolator (006-4641FX) in the same spot that the shaping disc had. There should be a hole in the baler that matches up with the hole in the plastic isolator. If not, use the isolator as a template and mark the hole. Center punch the hole and drill it to  $\frac{3}{4}$ " (Note: before drilling make sure you are not drilling into sensitive equipment on the outside of the baler). Drill through the complete square tube. About two inches. Repeat for other side of the baler.
- d. Insert plastic bushing (006-4641G) from the outside of baler. Make sure it is flush with the outside of the baler frame. Go to the inside of the baler and mark amount that protrudes into the chamber. Remove and cut off excess material. Repeat for other side.
- e. Using 4" carriage bolt slide the parts on in following order: metal disc (001-4641HX), plastic isolator (006-4641FX) and shortened plastic bushing (006-4641G).
- f. Insert disc assembly into  $\frac{3}{8}$ " hole from inside of bale chamber. Secure to outside of baler by attaching to the protruding carriage bolt in the following order: small isolator (006-4641),  $\frac{1}{2}$ " D shaped washer,  $\frac{1}{2}$ " lock washer,  $\frac{1}{2}$ " jam nut. Tighten down and repeat for the other side. Make sure no part of the bolt or hardware makes contact with the frame of baler-no metal to metal.
- g. Route moisture harness (006-4640G3E) from processor down to the carriage bolt on each side. Make sure it does not come in contact with any moving parts. Secure with cable ties.
- h. Attach moisture cable to moisture carriage bolt by placing items in the following order:  $\frac{1}{2}$ " D shaped washer, Ring terminal of moisture harness (006-4640G3E), second  $\frac{1}{2}$ " D washer,  $\frac{1}{2}$ " lock washer,  $\frac{1}{2}$ " Jam Nut. Tighten down and repeat for other side. Make sure none of the hardware comes in contact with the frame of the baler.

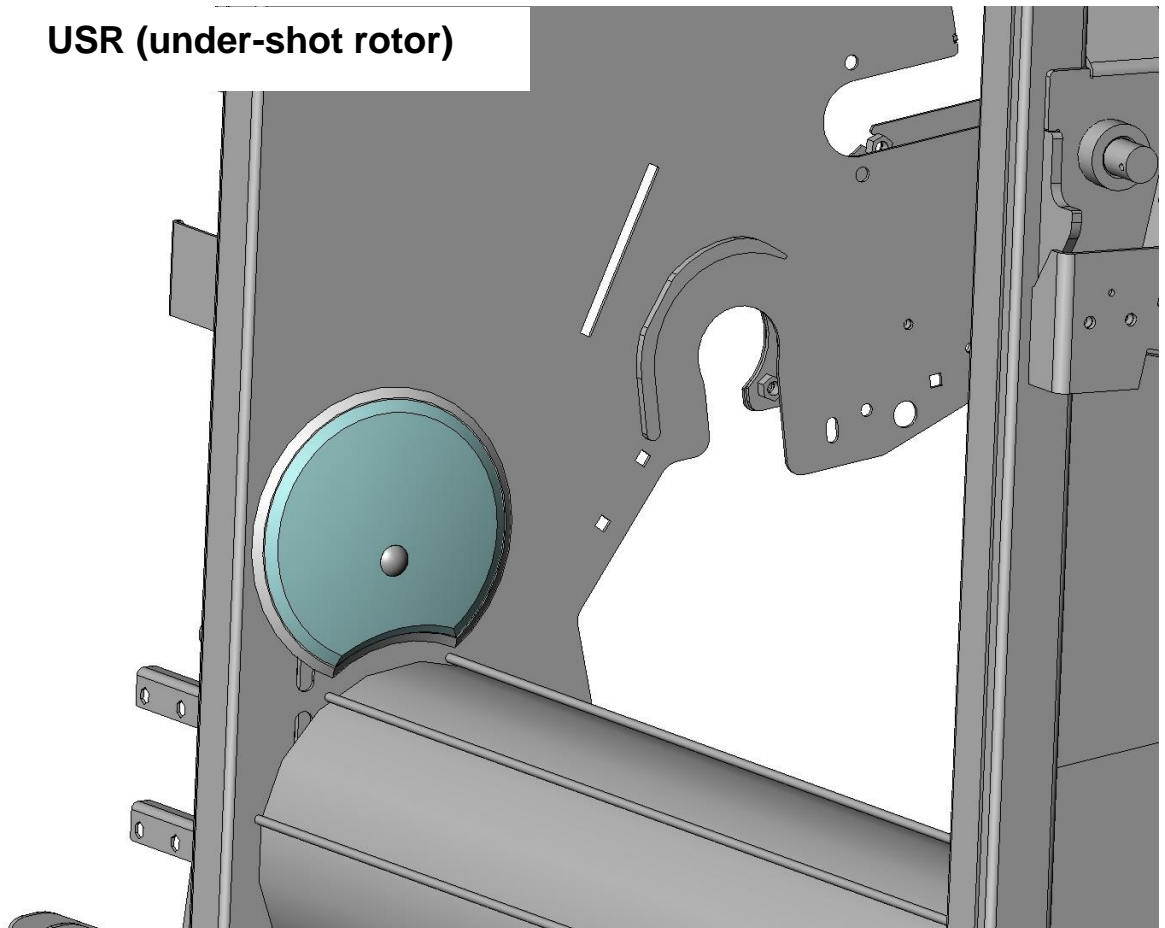




**OSR (over-shot rotor)**



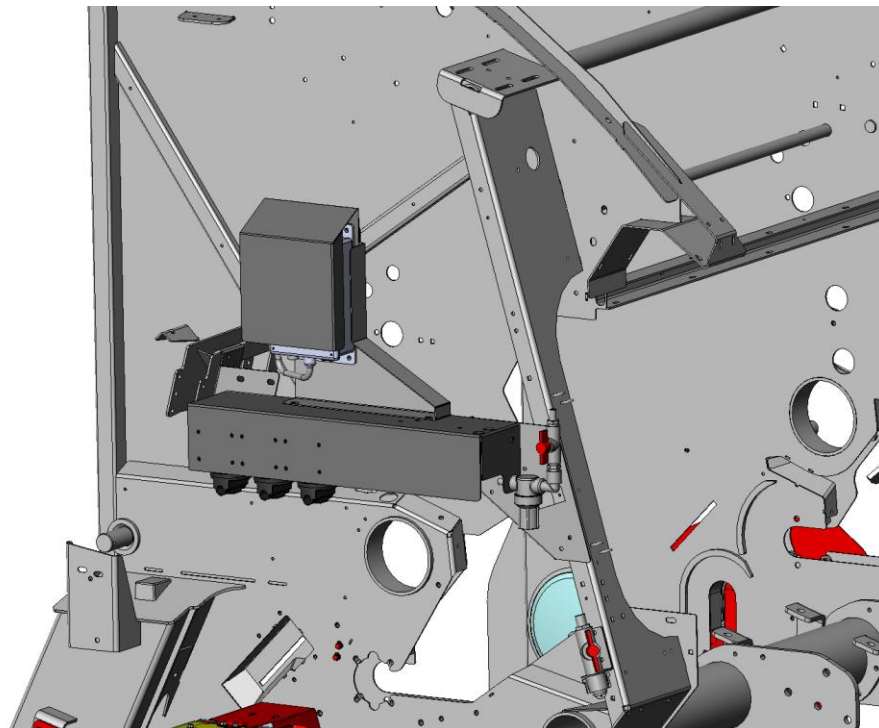
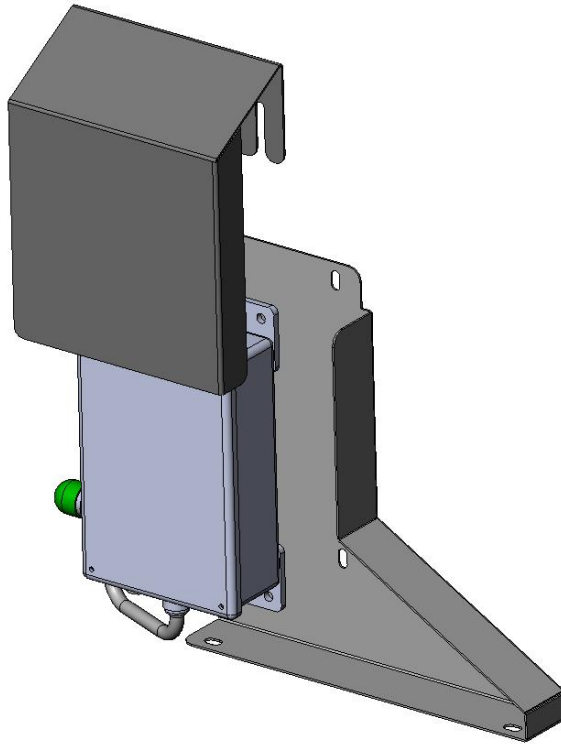
**USR (under-shot rotor)**



## 8. Installation of Control

Use the supplied suction cup mount to position the monitor in the cab. Make sure the glass is clean before installing the suction cup mount. If a non-cabbed tractor is used, use the supplied #10 screws for installation on the fender. If unit is mounted on fender it will need to be removed at night and stored in a clean, dry area. Use the Ram mount swivel-positioning nut to tighten the entire assembly. Adjust it so that you can view the entire screen and be able to use the touch screen without interfering with other tractor functions.

Connect communication wire (006-5650T) to the bottom of the terminal.



## 9. Installation of Bale Rate Sensor

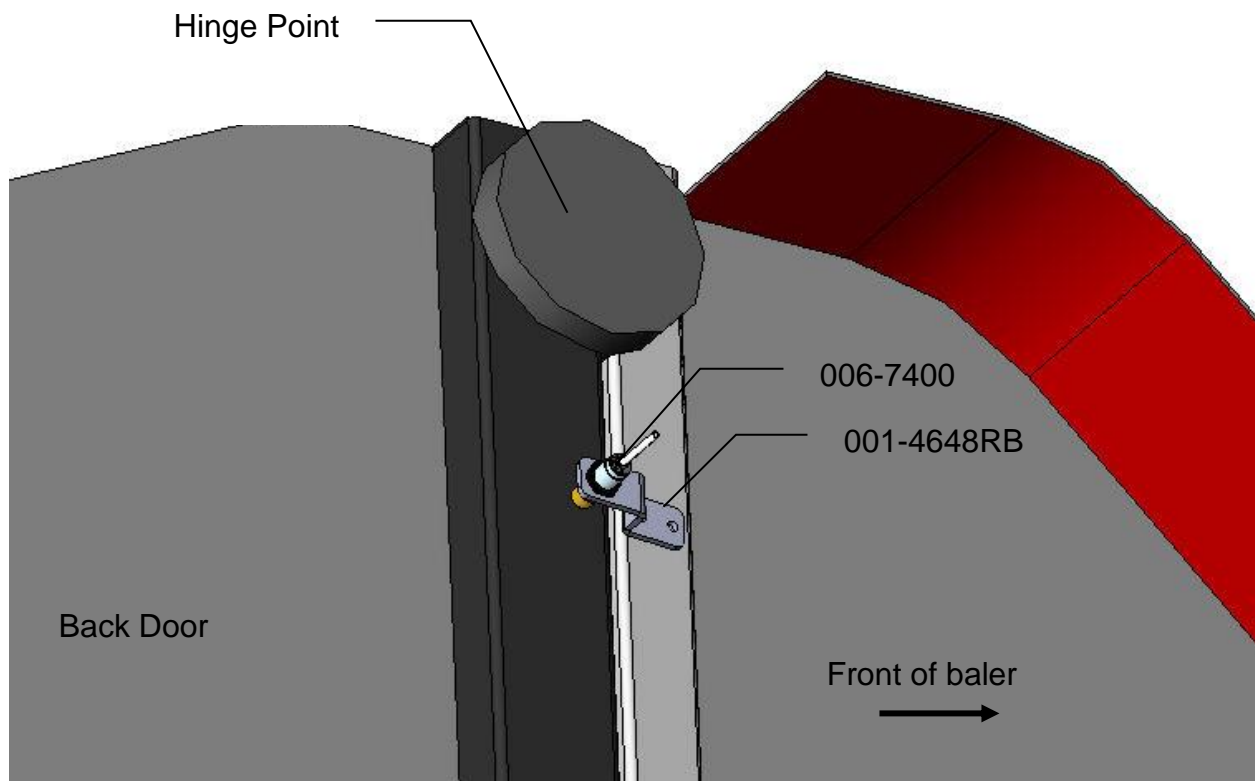
The bale rate timer sensor is used to determine when the baler door is open. With this information the system is able to change the tons/hour automatically (see Operating Instructions, Automatic Mode) and also record information per bale (see Job Records).

Locate the sensor (006-7400) and the sensor bracket (001-4648RB). On the right side of the baler find a location 1 – 6 inches down from the hinge to mount the bracket. Check for clearance with hydraulic cylinders before mounting the bracket. The bracket should be mounted to the front side of the hinge point, with the sensor aligned over the back door.

Mark and drill two 1/4" holes and install the bracket using two 5/16" x 1-1/4" self-tapping bolts.

Install the sensor into the bracket and leave 1/4" of clearance between the end of the sensor and the door.

The harness will need to be routed towards the PIP. Secure with cable ties and take care to avoid pinch points. The harness extension (006-7400EXT) may need to be used.



View of the right side of baler

## 10. Installation of the Power Cable and Main Wiring Harness

1. Locate the power harness.
2. Connect the power harness (006-5650T) to the battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.



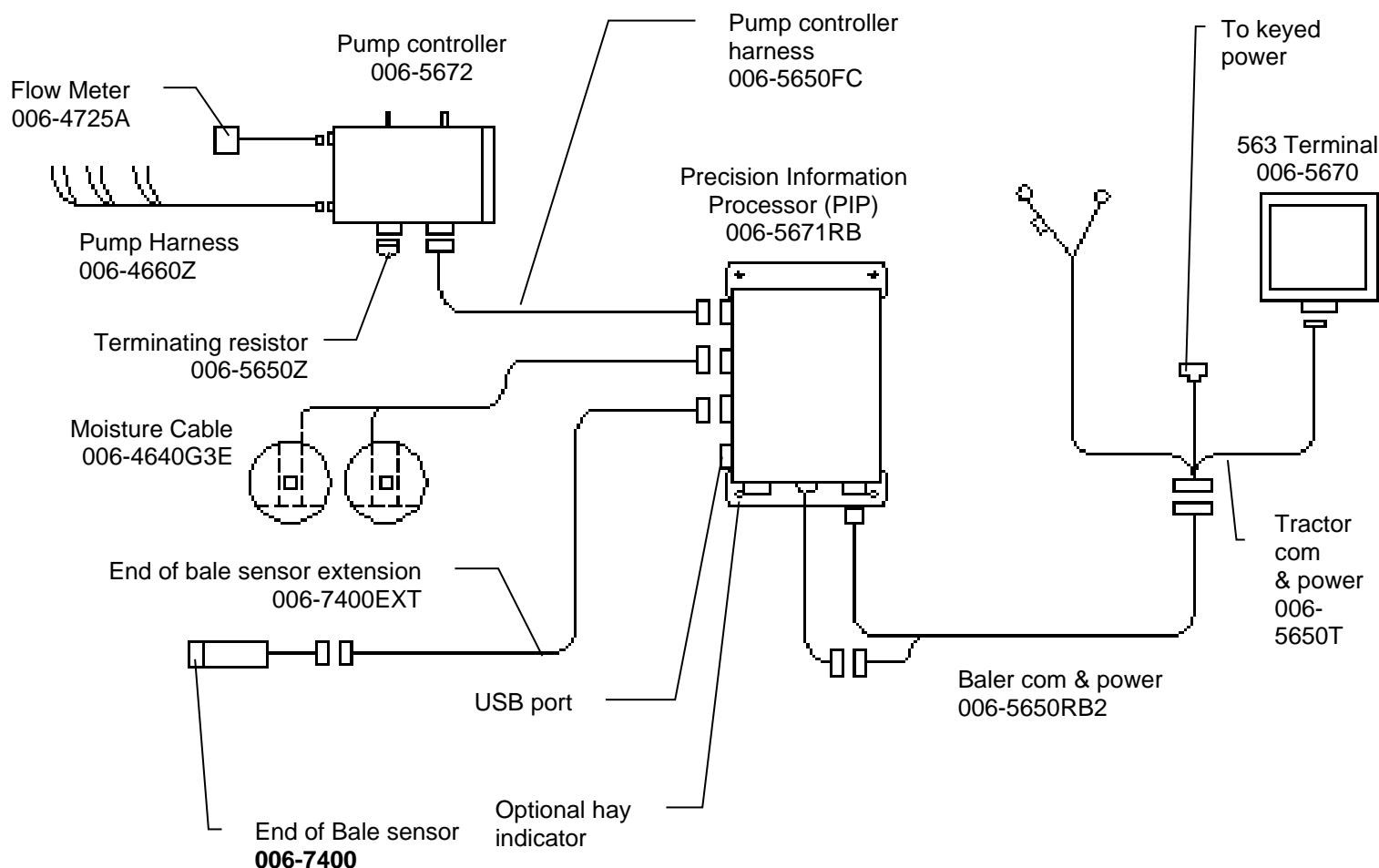
**a. The power harness must be connected to the battery!** The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty. **CONTACT HARVEST TEC IF MODIFICATION IS REQUIRED!**

**b. This unit will not function on positive ground tractors.**

**c. If the unit loses power while operating it will not keep track of accumulated pounds of product used.**

3. Connect the tractor communication & power harness (006-5650T) amp connector to the bottom of the 563 terminal and connect the keyed power harness to a keyed power source.
4. Connect the baler power and communication harness (006-5650RB) to the power port on the PIP and to the display port on the PIP.
5. Connect Flow Meter (006-4725A) and pump harness (006-4660Z) to the Pump Controller.
6. Connect Pump Harness (006-4660Z) the Baler Mounted Processor.
7. Install one terminating resistor to the pump controller (006-5650Z).
8. If you have the optional Hay Indicator, connect it to the PIP.
9. Attach moisture cable (006-4640G3E) to the PIP.
10. Install Pump Controller in pump plate using 5/16" lock, nut, and flat washers.

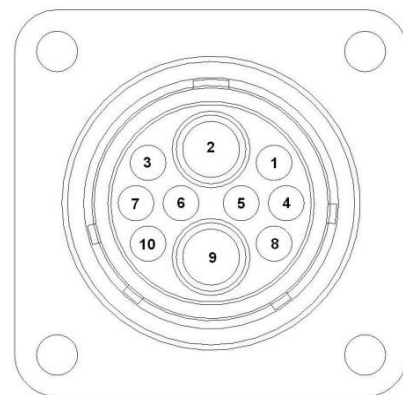
### System Wiring Diagram



## Wiring Diagrams Pin Outs

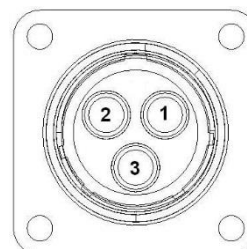
### A. Communication and power harness

|        |          |                 |
|--------|----------|-----------------|
| Pin 1  | Red      | Can 12 volt     |
| Pin 2  | Red      | Battery 12 volt |
| Pin 3  | Orange   | Keyed power     |
| Pin 4  | Not Used |                 |
| Pin 5  | Yellow   | Comm channel OL |
| Pin 6  | Green    | Comm channel OH |
| Pin 7  | Not used |                 |
| Pin 8  | Black    | Can ground      |
| Pin 9  | Black    | Battery ground  |
| Pin 10 | Not used |                 |



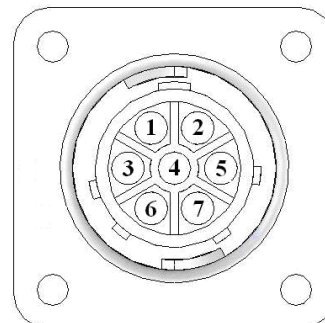
### B. Main power connector mounted on PIP

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



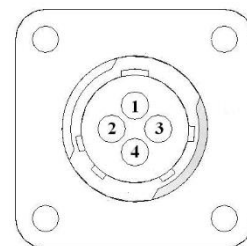
### C. Pump connection colors

|       |                            |                 |
|-------|----------------------------|-----------------|
| Pin 1 | Black with orange markings | Pump 1 ground   |
| Pin 2 | Black with green markings  | Pump 2 ground   |
| Pin 3 | Black with yellow markings | Pump 3 ground   |
| Pin 4 | Not used                   |                 |
| Pin 5 | Orange with black markings | Pump 1 positive |
| Pin 6 | Green with black markings  | Pump 2 positive |
| Pin 7 | Yellow with black markings | Pump 3 positive |



### D. Flow meter connection on Pump Controller

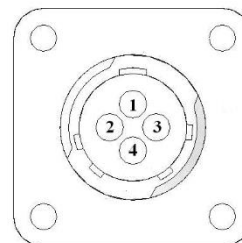
|       |       |                     |
|-------|-------|---------------------|
| Pin 1 | White | 5 - 12 V (+) supply |
| Pin 2 | Green | Ground              |
| Pin 3 | Brown | Signal              |
| Pin 4 | Black | Shield              |



### E. Connector for Hay Indicator option on PIP

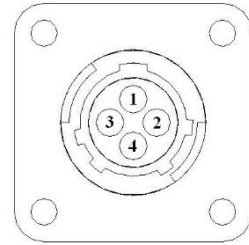
**Note: Hay indicators are an option accessory that will turn the system ON/OFF hands free when hay enters the pickup of the baler.**

|       |          |             |
|-------|----------|-------------|
| Pin 1 | Red      | +12V        |
| Pin 2 | Black    | Ground      |
| Pin 3 | White    | Signal wire |
| Pin 4 | Not used |             |



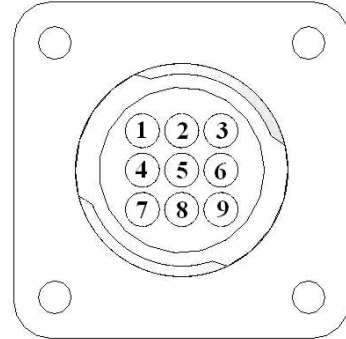
#### F. End of bale sensor on PIP

|      |          |                     |
|------|----------|---------------------|
| Pin1 | Brown    | <u>Sensor power</u> |
| Pin2 | Blue     | Sensor ground       |
| Pin3 | Not used |                     |
| Pin4 | Black    | Signal from sensor  |



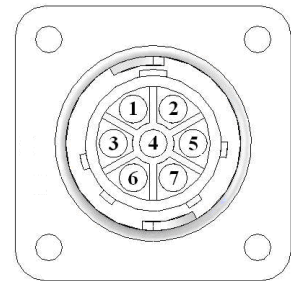
#### G. Moisture and Bale rate sensor connector on PIP

|       |          |                  |
|-------|----------|------------------|
| Pin 1 | Not used |                  |
| Pin 2 | Not used |                  |
| Pin 3 | Not used |                  |
| Pin 4 | Not used |                  |
| Pin 5 | Silver   | Shield           |
| Pin 6 | Silver   | Shield           |
| Pin 7 | Not used |                  |
| Pin 8 | Violet   | Moisture input 1 |
| Pin 9 | Brown    | Moisture input 2 |



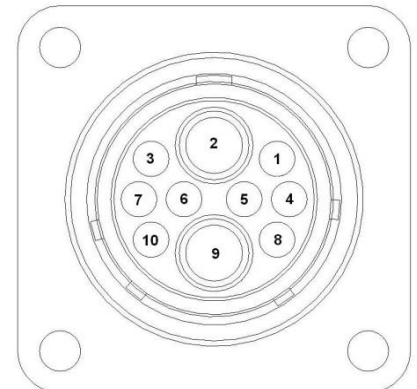
#### H. Display communication harness on PIP

|       |          |                   |
|-------|----------|-------------------|
| Pin 1 | Orange   | Power to display  |
| Pin 2 | Blue     | Ground to display |
| Pin 3 | Green    | Comm channel OH   |
| Pin 4 | Not used |                   |
| Pin 5 | Yellow   | Comm channel OL   |
| Pin 6 | Not used |                   |
| Pin 7 | Not used |                   |



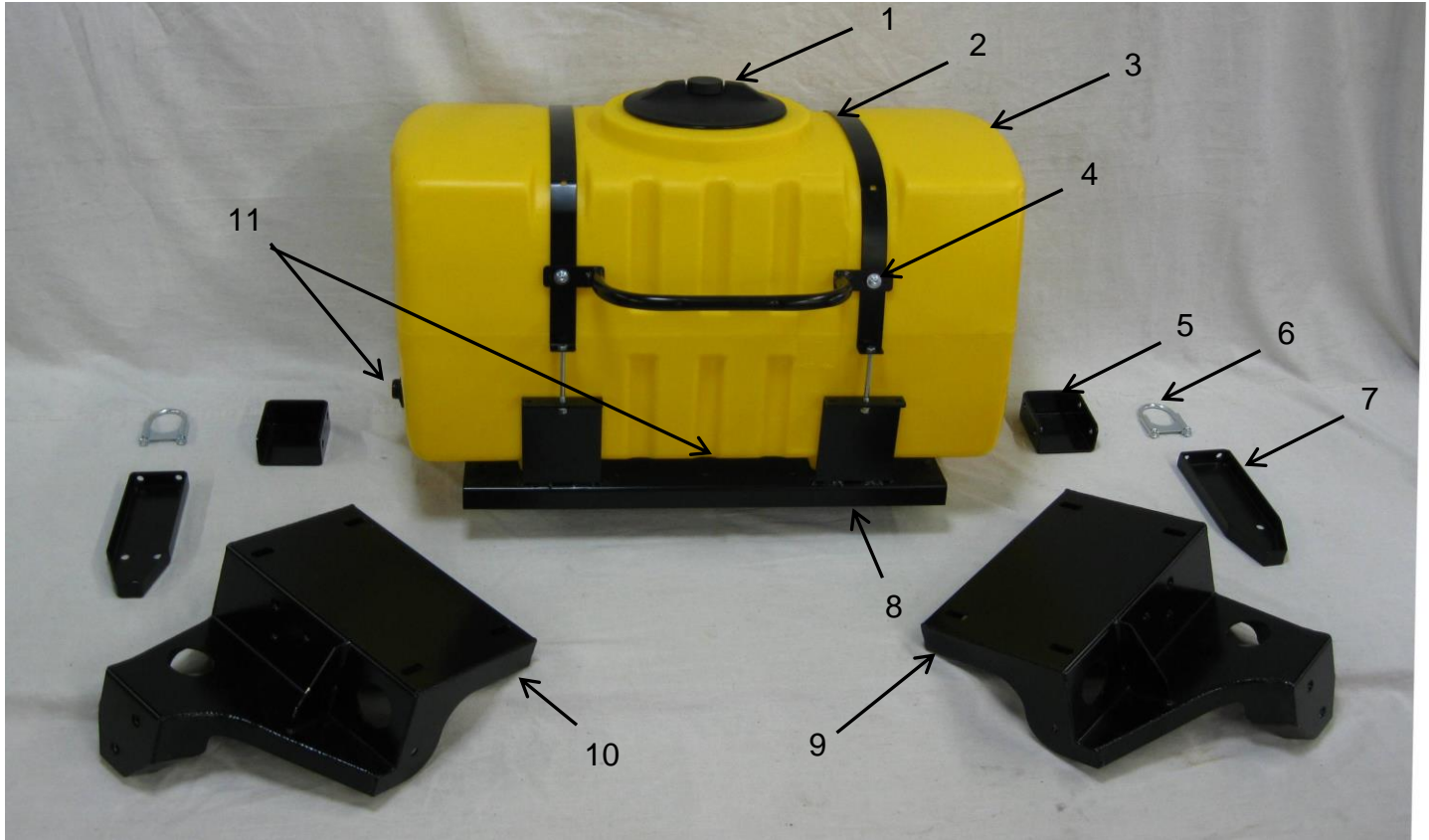
#### I. Communication harness on PIP and Pump Controller

|        |          |                 |
|--------|----------|-----------------|
| Pin 1  | Red      | Can 12 volt     |
| Pin 2  | Red      | Battery 12 volt |
| Pin 3  | Grey     | 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    | Battery ground  |
| Pin 10 | Not used |                 |



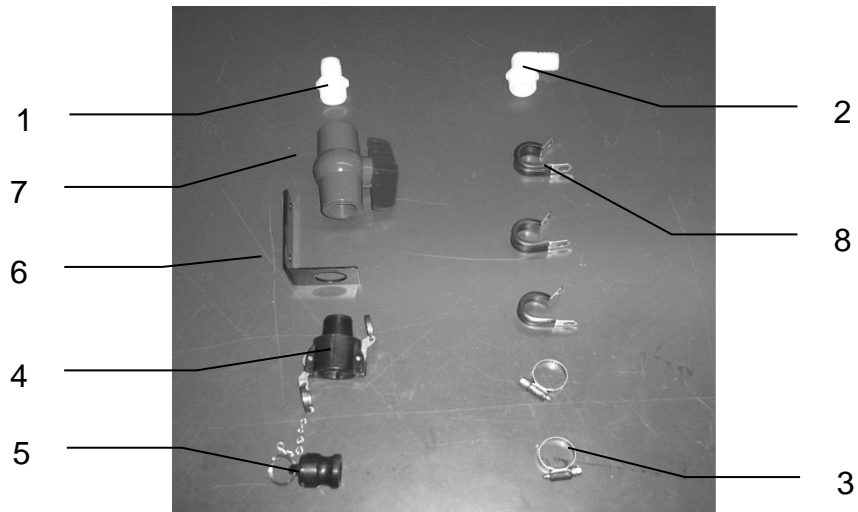


## Parts Breakdown for the Tank and Saddle Harvest Tec Model 547C Base Kit



| <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            | 55 Gallon tank lid | 005-9022H     | 1          | 7            | Anchor Bracket     | 001-4703XA    | 2          |
| 2            | Strap              | 001-4402      | 2          | 8            | Saddle             | 001-4703X     | 1          |
| 3            | Tank               | 005-9203SQ    | 1          | 9            | Left Leg           | 001-4703XL    | 1          |
| 4            | Handle             | 001-6707HRS   | 1          | 10           | Right Leg          | 001-4703XR    | 1          |
| 5            | Anchor Bracket Ext | 001-4703XAX   | 2          | 11           | Tank fitting       | 005-9100      | 2          |
| 6            | U Clamp            | 001-4703XAB   | 2          |              |                    |               |            |

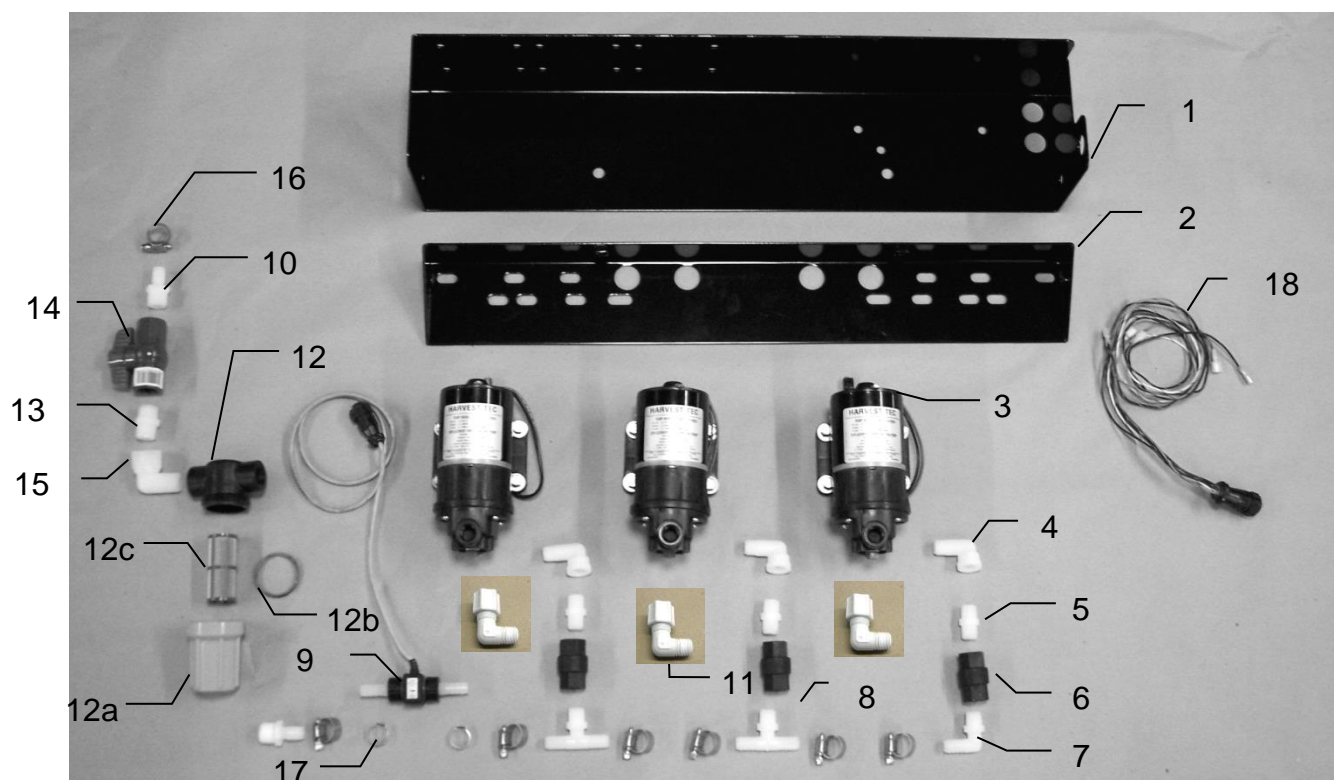
## Parts Breakdown for Drain Fill Kit



| <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            | Straight Fitting   | 003-A3434     | 1          | 5            | Male Coupler       | 002-2205G     | 1          |
| 2            | Elbow              | 003-EL3434    | 1          | 6            | Valve Holder       | 001-6702H     | 1          |
| 3            | Hose Clamps        | 003-9004      | 2          | 7            | Ball valve         | 002-2200      | 1          |
| 4            | Female Coupler     | 002-2204A     | 1          | 8            | Jiffy Clip         | 008-9010      | 3          |
|              |                    |               |            | NP           | 3/4" Hose          | 002-9002      | 8ft        |

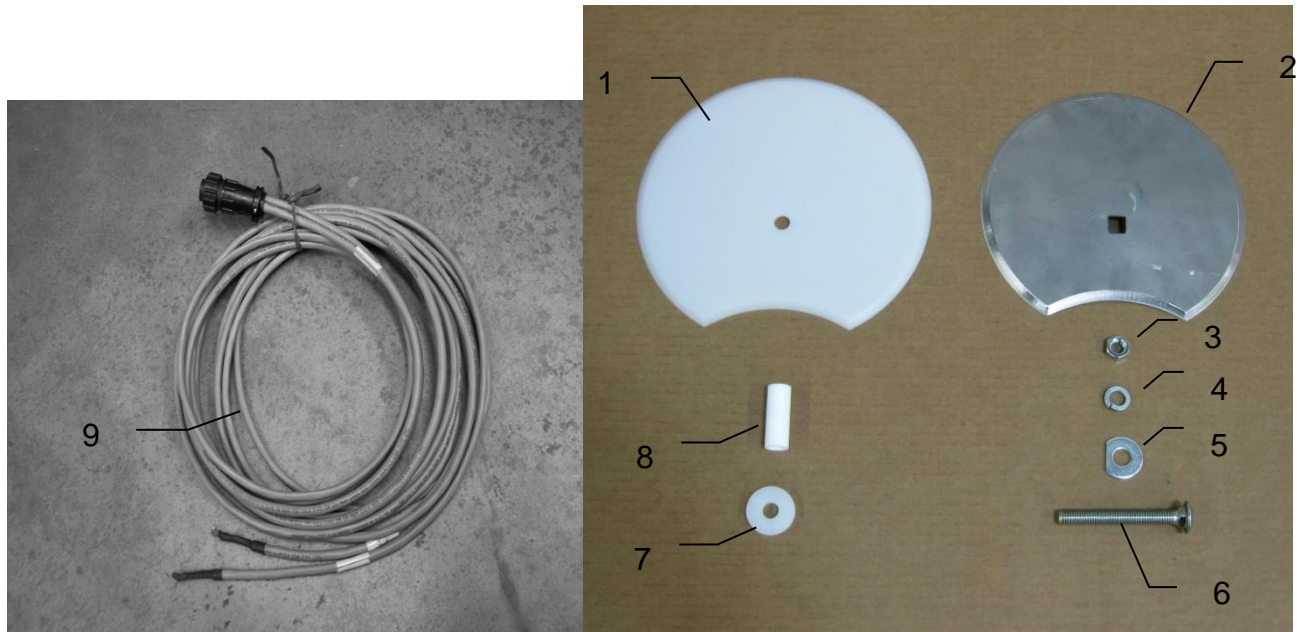


## Parts Breakdown for Pump Manifold

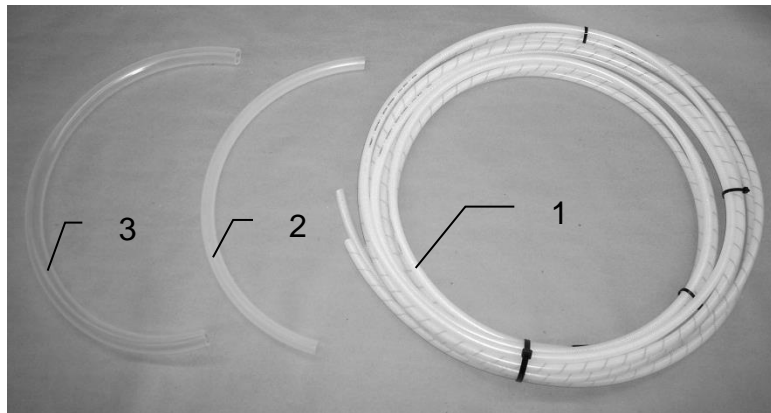


| <u>Ref#</u> | <u>Description</u>      | <u>Part#</u> | <u>Qty</u> |
|-------------|-------------------------|--------------|------------|
| 1           | Pump plate              | 001-4646D    | 1          |
| 2           | Mounting Bracket        | 001-4646C    | 1          |
| 3           | Pump                    | 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          | Elbow fitting           | 003-JEL1238  | 3          |
| 12          | Filter bowl assembly    | 002-4315     | 1          |
| 12a         | Filter bowl only        | 002-4315F    | 1          |
| 12b         | Filter bowl gasket      | 002-4315D    | 1          |
| 12c         | Filter bowl screen      | 002-4315B    | 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          | Pump rebuild kit        | 007-4581     | 1          |
|             | (1 per pump)            |              |            |
| NP          | Elbow                   | 003-EL1212   | 1          |
| NP          | Not Pictured            |              |            |

## Parts Breakdown for Moisture Sensor Discs And Hoses



| <u>Ref#</u> | <u>Description</u>       | <u>Part #</u> | <u>Qty</u> |
|-------------|--------------------------|---------------|------------|
| 1           | CNH RB Moisture Isolator | 006-4641FX    | 2          |
| 2           | CNH RB Moisture Disk     | 006-4641HX    | 2          |
| 3           | 1/2" JAN Nut             |               | 4          |
| 4           | 1/2" Lock                |               | 4          |
| 5           | 1/2" D Washer            |               | 6          |
| 6           | 1/2" x 4" Carriage Bolt  |               | 2          |
| 7           | Sensor Bushing           | 006-4641G     | 2          |
| 8           | Sensor Isolator          | 006-4641I     | 2          |
| 9           | Moisture Cable           | 006-4640G3E   | 1          |



| <u>Ref #</u> | <u>Description</u>          | <u>Part #</u> | <u>Qty</u> |
|--------------|-----------------------------|---------------|------------|
| 1            | Triple Weld (pumps to tips) | 002-9016      | 15ft       |
|              |                             | 002-9016B     | 15ft       |
|              |                             | 002-9016G     | 15ft       |
|              | Hose assembly               | 030-9016RB    | 1          |
| 2            | 1/2 Hose (tank to filter)   | 002-9001      | 6ft        |
| 3            | 3/4 Hose Drain Fill Line    | 002-9002      | 10ft       |

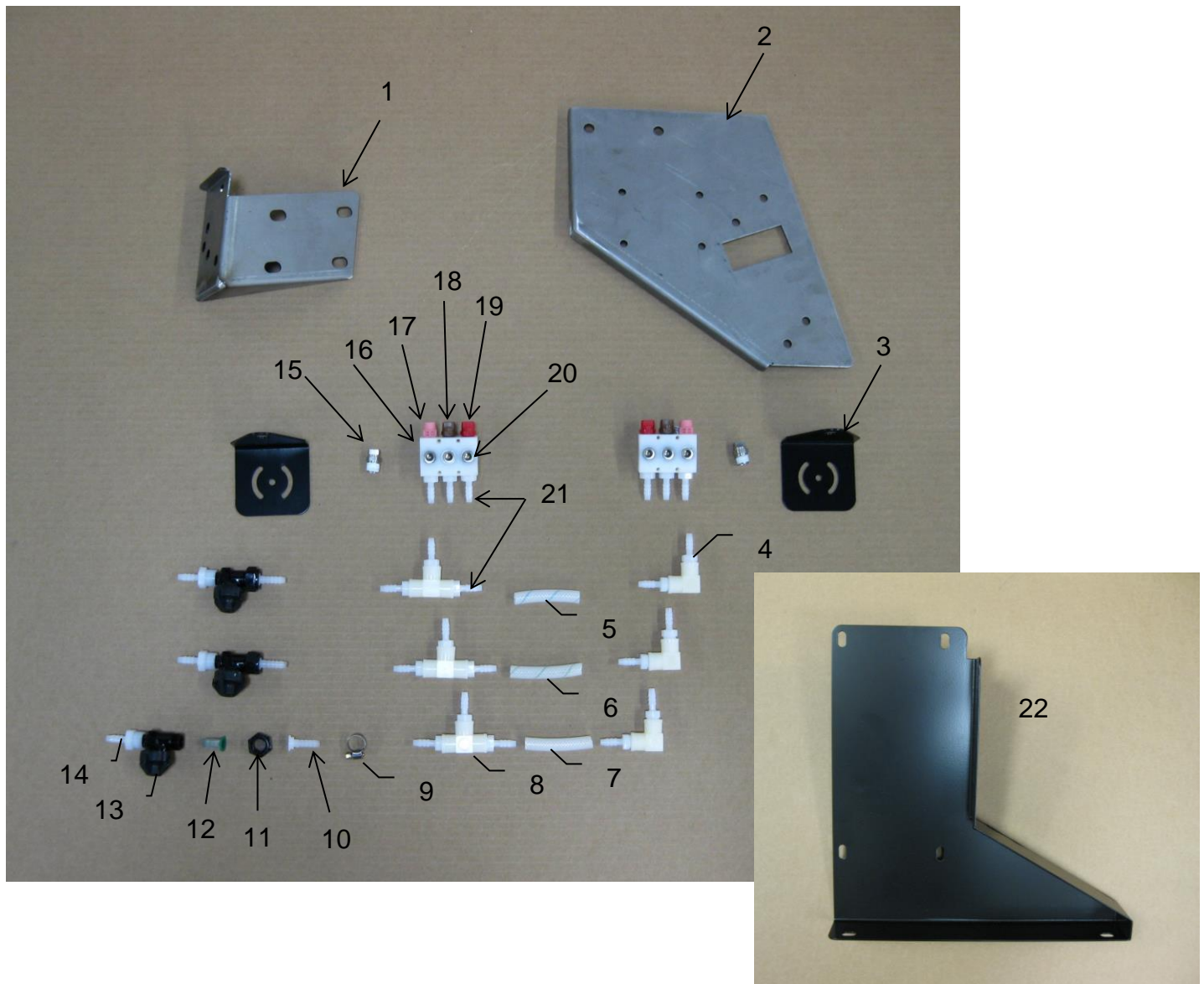
## Parts Breakdown for Control Box and Wiring Harnesses



| <b>Ref</b> | <b>Description</b>                    | <b>Part#</b>  | <b>Qty</b> |
|------------|---------------------------------------|---------------|------------|
| 1          | Power & communication tractor         | 006-5650T     | 1          |
| 2          | Pump controller harness               | 006-5650FC    | 1          |
| 3          | Power & communication baler           | 006-5650RB2   | 1          |
| 4          | Pump controller                       | 006-5672      | 1          |
| 5          | Precision Information Processor (PIP) | 006-5671RB    | 1          |
| 6          | Terminating resistor                  | 006-5660Z     | 1          |
| 7          | Ram mount                             | 001-2012H     | 1          |
| 8          | Display                               | 006-5670      | 1          |
| 9          | Bale rate timer                       | 006-7400      | 1          |
| 10         | Bale rate timer bracket               | 001-4648RB    | 1          |
| 11         | Bale rate timer sensor extension      | 006-7400EXT   | 1          |
| NP         | Key switch wire                       | 006-5650K     | 1          |
| NP         | Dust plug kit                         | 006-5651PLUGS | 1          |
| NP         | Suction cup mount                     | 001-2012SCM   | 1          |
| NP         | Not pictured                          |               |            |



## Harvest Tec Model 547C 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          | Pump Plate Bracket | 001-4703XF    | 1          | 15         | Tip –Stainless                | 004-T800067-SS | 2          |
| 2          | Pump/Valve Mount   | 001-4703XE    | 1          | 16         | Spray Shield Manifold         | 001-4435NSB    | 2          |
| 3          | Spray Block Holder | 001-4703XD    | 2          | 17         | Tip –pink                     | 004-T8001-PT   | 2          |
| 4          | Elbow              | 003-SE14F     | 3          | 18         | Tip –brown                    | 004-T80015-PT  | 2          |
| 5          | Hose-clear         | 002-9016      | 15 ft      | 19         | Tip –red                      | 004-T8003-PT   | 2          |
| 6          | Hose-green striped | 002-9016G     | 15 ft      | 20         | Plug Allen SS                 | 003-F14A       | 6          |
| 7          | Hose-blue striped  | 002-9016B     | 15 ft      | 21         | Fitting                       | 003-A1414      | 21         |
| 8          | Tee                | 003-TT14SQ    | 3          |            |                               |                |            |
| 9          | Hose Clamp         | 003-9002      | 27         | 22         | Comm RB Bracket<br>500 Series | 001-4703XG     | 1          |
| 10         | Fitting            | 003-A1414VB   | 3          |            |                               |                |            |
| 11         | Nozzle cap         | 004-4723      | 3          |            |                               |                |            |
| 12         | Tip Strainer       | 004-1203-100  | 3          |            |                               |                |            |
| 13         | Check Valve        | 004-1207VB    | 3          |            |                               |                |            |
| 14         | Fitting            | 003-A1414F    | 3          |            |                               |                |            |

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

Harvest Tec, LLC. 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, LLC. 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, LLC.

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, LLC. within 30 days of the failure. Parts must be returned through the selling dealer and distributor, transportation charges prepaid.

This warranty shall not be interpreted to render Harvest Tec, LLC. 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, LLC. 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, LLC. will not affect our ability to obtain materials or manufacture necessary replacement parts.

Harvest Tec, LLC. 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.

Revised 5/22

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