Installation Manual

Model 695

100 Gallon Preservative Applicator for Claas 5300

HARVEST TEC

Equipment and Products for Quality Hay.™

P.O. Box 63 ○ 2821 Harvey Street ○ Hudson, WI 54016
800-635-7468 ○ www.harvesttec.com

DECLARATION OF INCORPORATION

$$C \in$$

MANUFACTURER: Harvest Tec LLC.
                                                                                2821 Harvey St.
                                                                                P.O. Box 63
                                                                                Hudson, WI 54016, U.S.A.

REPRESENTATIVE ESTABLISHED IN COMMUNITY: Profitable Farming Company
                                                                                Middle Barlington, Roborough
                                                                                Winkleigh, Devon, EX19 8AG
                                                                                ENGLAND

The person above certifies and declares that:

VIRTUAL MACHINE: Equipment mounted on a farm press and for the application of innoculants onto forage crops.
MODEL: 695-19-INST-Imp&Metric
BRAND: Harvest Tec
SERIAL NUMBER:

This application preservatives for hay Harvest Tec system meets the Directive 2006/42/EC of the European Parliment and the Council of 17 May 2006 and other applicable European Directives including Directive 2004/108/EC on the Electromagnetic compatability.

The application of preservatives for hay Harvest Tec system will be turned on after being installed on a farm press has been declard in conformity with the Machinery Directive.

Person in the community authorized to provide information on the partly completed machinery and making this statement:

                                        Richard Snell, President, Profitable Farming Company
                                        Signed on May 21, 2011: Middle Barlington, Roborough
                                                                Winkleigh, Devon, EX19 8AG
                                                                ENGLAND

Harvest Tec Model 695 Installation Table of Contents

Introduction

Thank you for purchasing a Harvest Tec Model 695 Hay Preservative Applicator. This 695 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 695 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. Wireless connection in cab
4. Can be used for multiple other uses than just the applicator display
5. Option to tie-into the tractor ISOBUS system

The 695 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 695 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.

*Requirement to run iPad running the current iOS operating system or one version previous.

Tools Needed:

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

Installation of Applicator

Tank Saddle & Pump Plate

Tank Saddle
001-6706A

Saddle Legs
001-6706Q

Pump Plate Mount
001-4646C

Pump Plate
001-4646D

Pump controller
006-5672
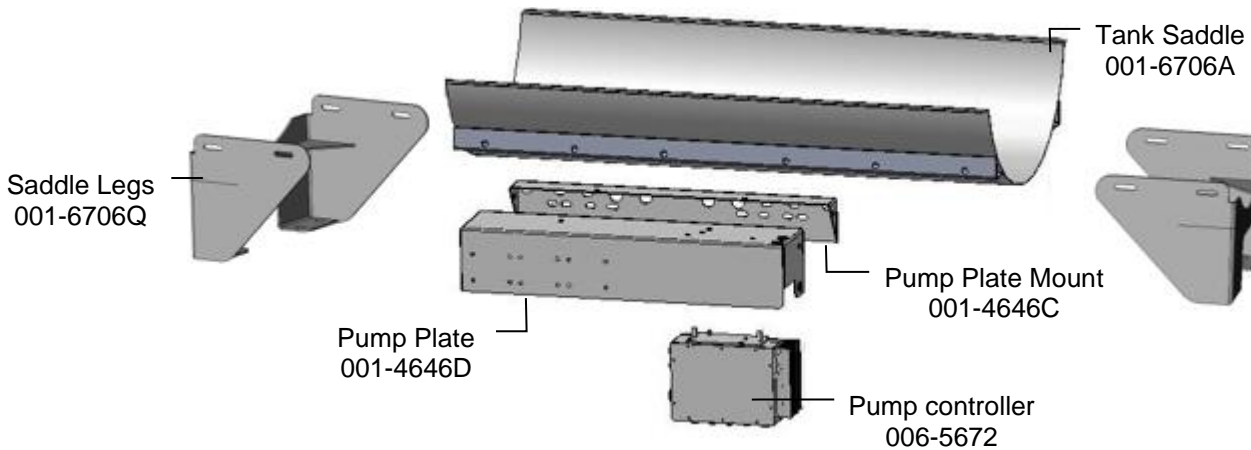
Locate parts bag 3. Install both saddle legs (001-6706Q) onto the saddle (001-6706A) with six 3/8" x 1-1/4" bolts, locks and flat washers. The mounting slots in the legs will attach to the second and third weld nuts in from each end, of the saddle, on both sides.

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. <u>Do not fully tighten down bolts until unit is mounted on the baler.</u>
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.
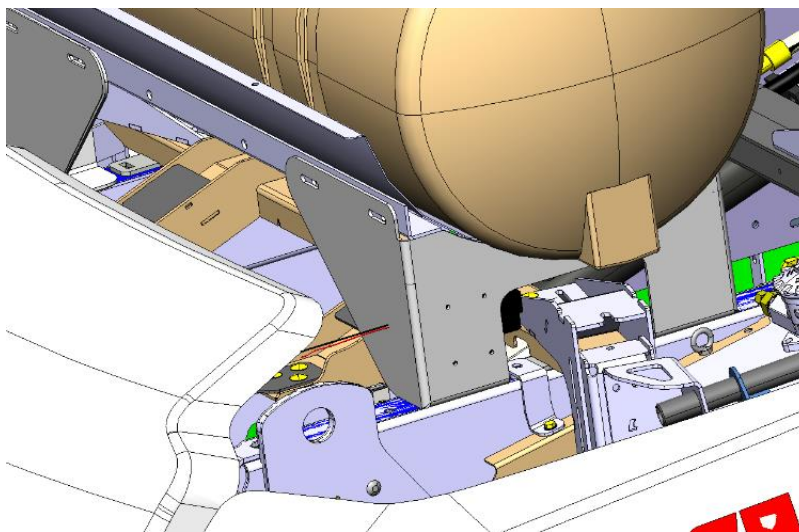
Installation of Dual Channel Processor (DCP)

Locate the Dual Channel Processor (006-6671) and the four predrilled holes on the left side of the baler near the flywheel as shown below. Use four 5/16" x3" hex bolts with four flat washers (positioning bolt heads on the inside of the baler frame) and secure to the baler with four 1 1/8" threaded standoffs that will be on the outside of the baler frame. Position four fender washers between the DCP and standoffs.

Mount the DCP with the display cable down toward the baler. Attach lock washers and hex nuts to mount the DCP (do not tighten). Before tightening hardware install the DCP shield (001-5650X) over the top two 5/16" bolts between the fender washers and the mounting plate of the DCP. Tighten All Hardware
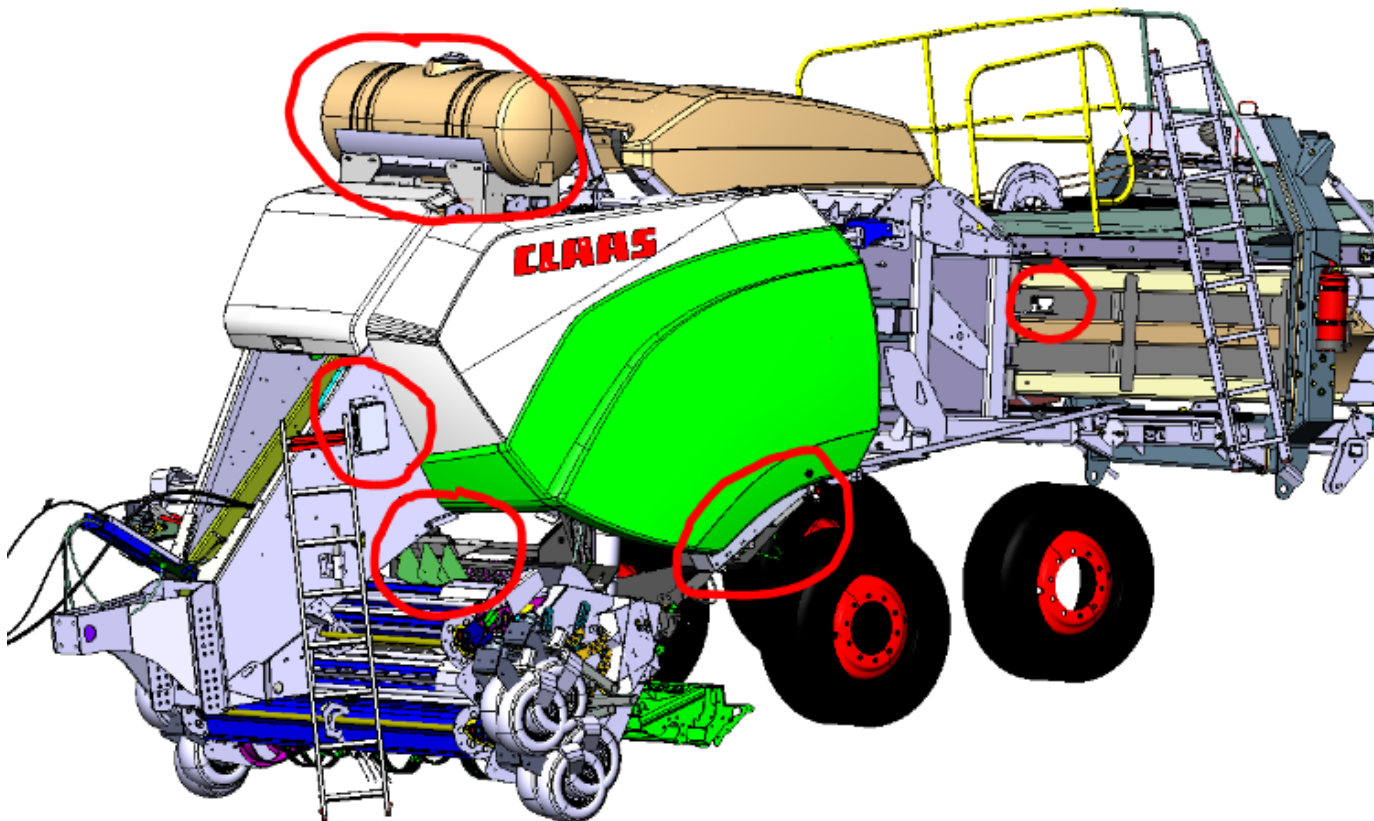
Installation of Tank and Star Wheel Moisture Sensors

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.
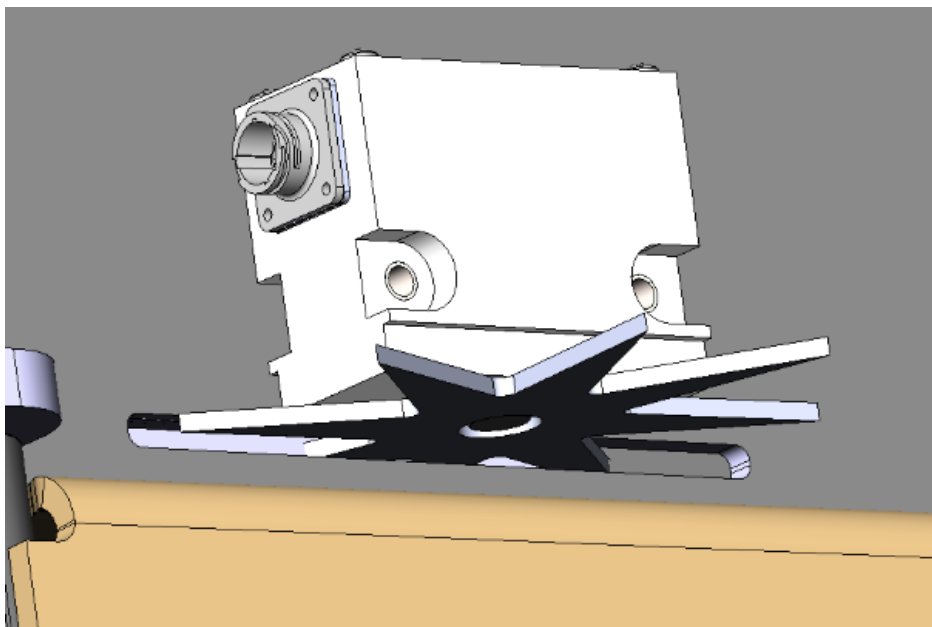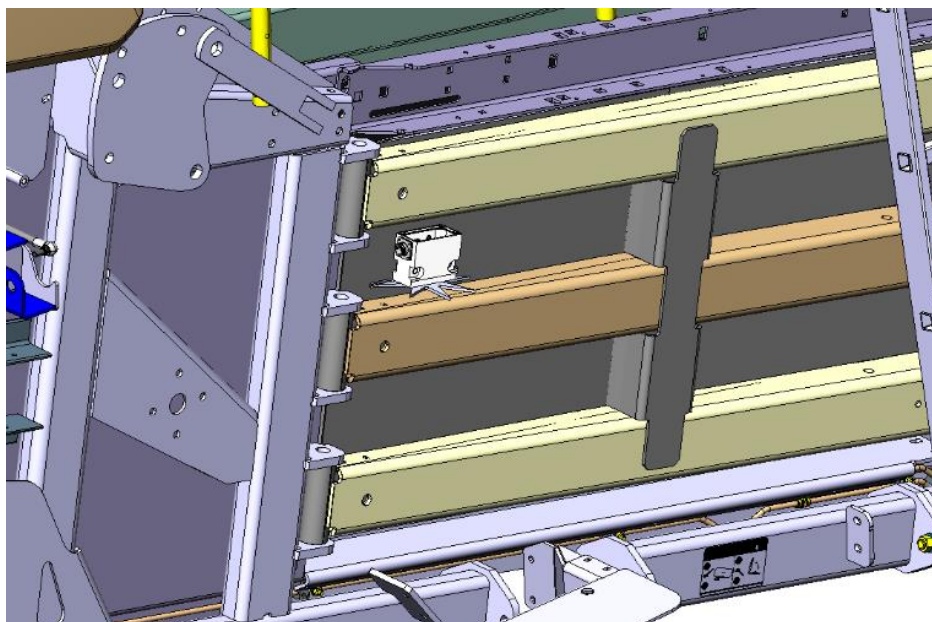
Installation of End of Bale Sensor

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.

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

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

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.
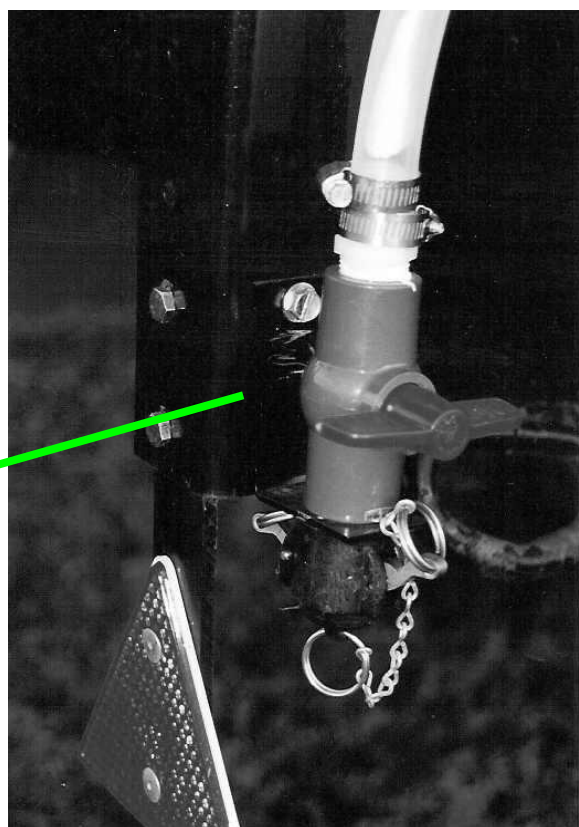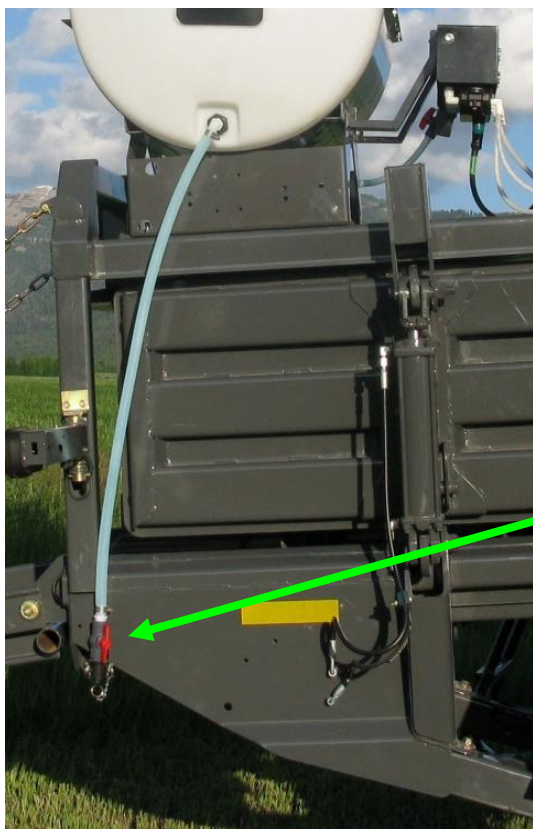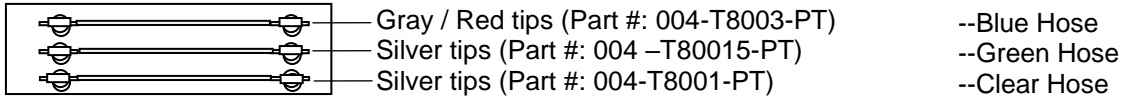
Installation of Spray Shield

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

Gray / Red tips (Part #: 004-T8003-PT)   --Blue Hose
Silver tips (Part #: 004 –T80015-PT)   --Green Hose
Silver tips (Part #: 004-T8001-PT)   --Clear Hose

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

Install Kits 4537B

Silver / Brown tips (Part #: 004-T80015-PT)   --Blue Hose
Silver tips (Part #: 004-T8001-PT)   --Green Hose
Silver tips (Part #: 004-800067-SS)   --Clear Hose
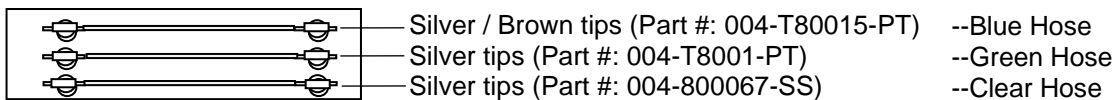
Installation Kit 4537B

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.

Rotor

Auger

L-shaped bracket
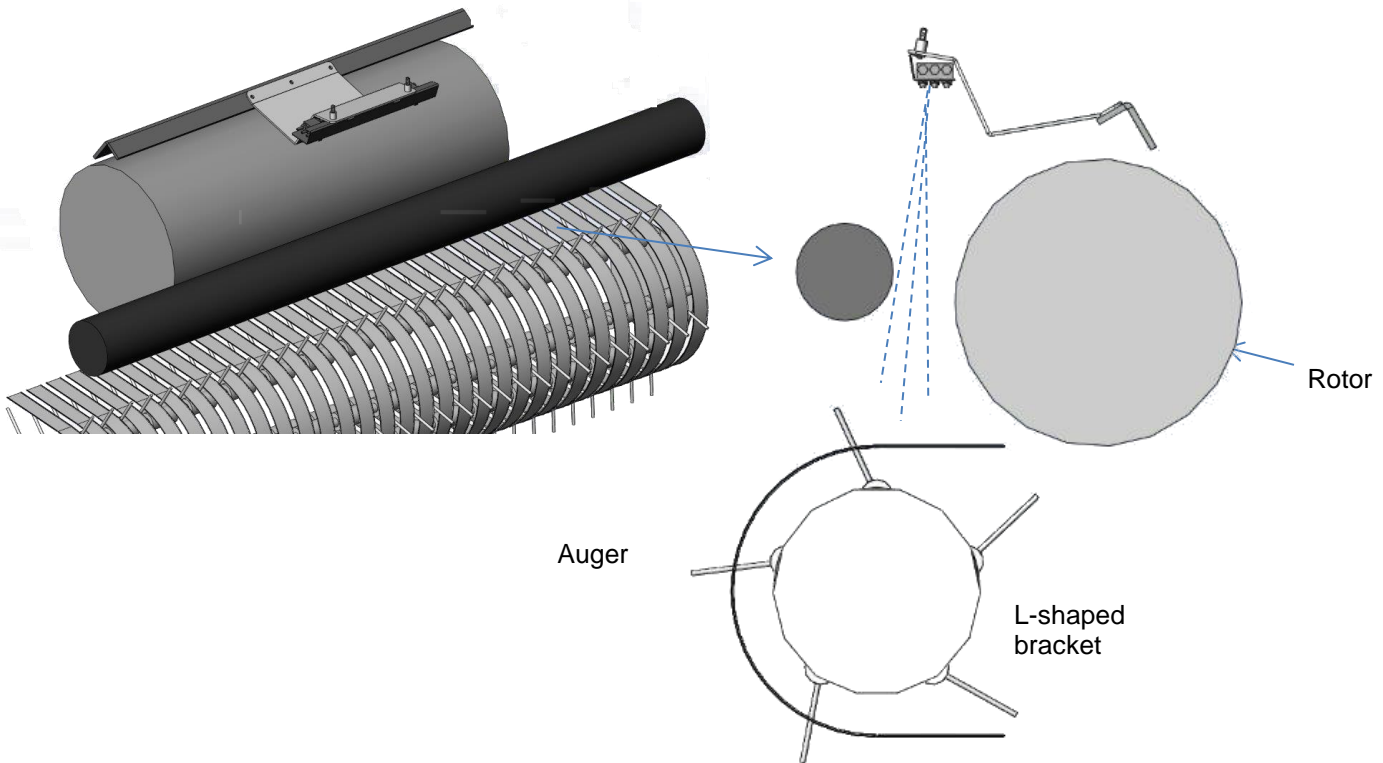
Plumbing

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 ºF AND UNDER.**
D. Tie the hose down at secure locations on the baler using the enclosed tie straps and cable clamps.

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:
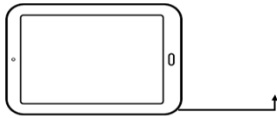
iPad Integration Control Light Signals

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)

600 Series Applicators with serial number before DCP26000 will require the DCP to be sent to Harvest Tec for a required update in order to use the iPad Integration Module (030-6670C).

Bluetooth Receiver Lights

Pre-2020 applcaitors 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.

Connecting the optional ISOBUS plug to the tractor

Attach the optional ISOBUS connector 006-6670A (not included) to the end of the communication harness 006-6650TM.

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

Then connect the ISOBUS connector to the ISOBUS plug on the tractor.
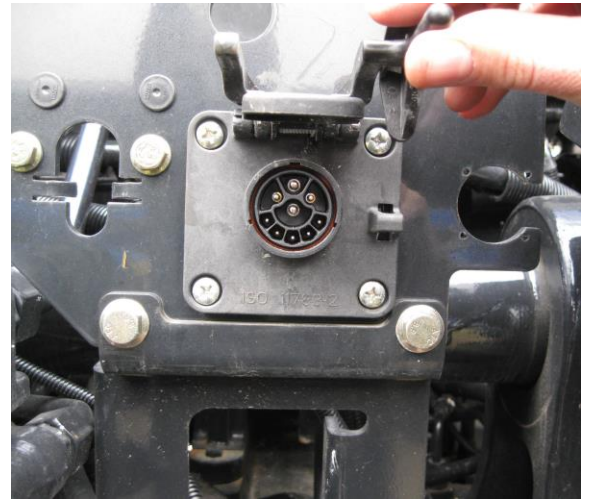
Wiring Diagram

1. The **Baler Power/Communication Harness** (006-6650LS(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 (006-5650F2M(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 shown below (030-6672C).
7. Connect the orange keyed power wires (006-5650K) and attach the plug to the tractor's ISOBUS port.

13
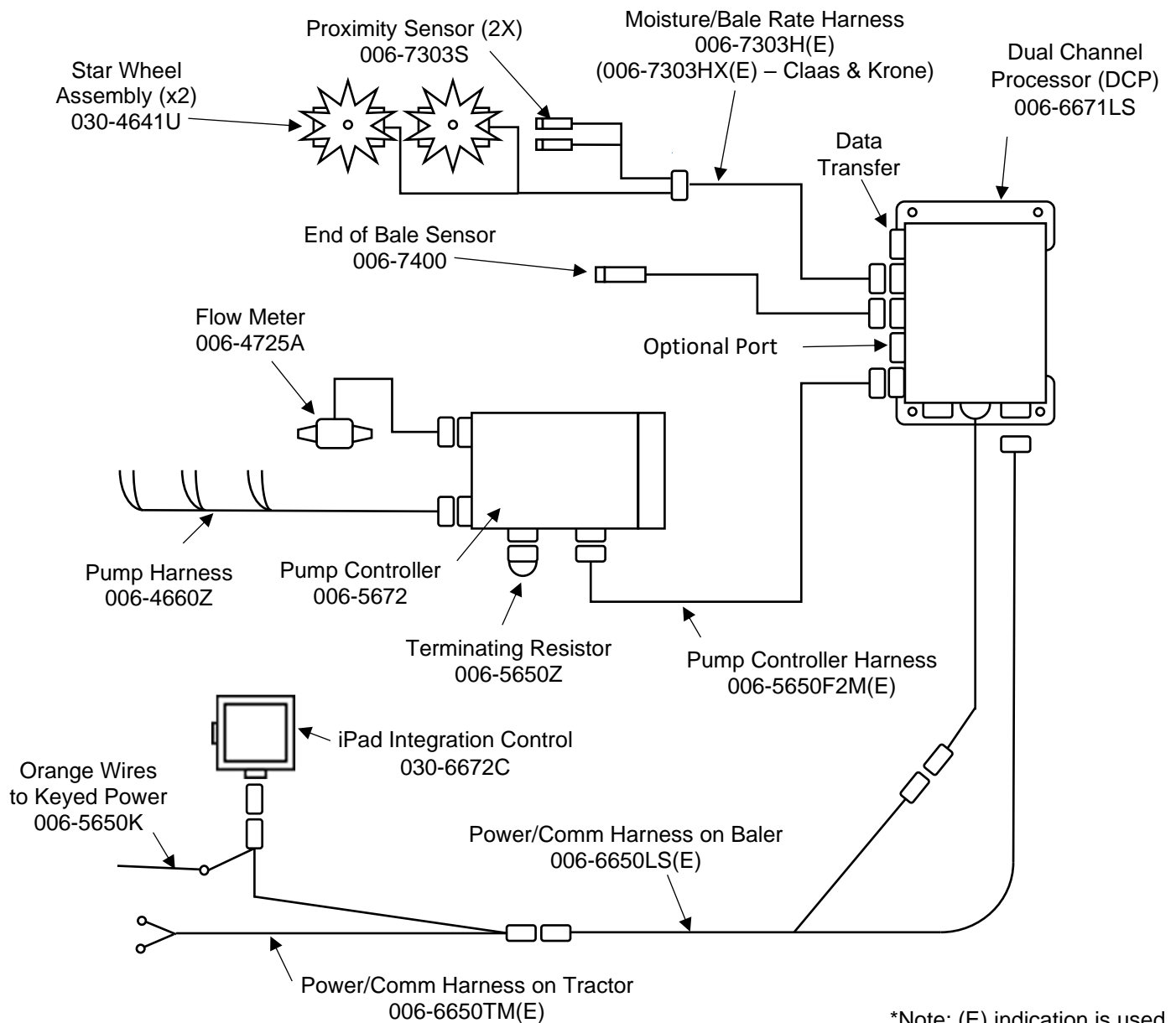
Pin Outs

Power/Comm Harness 006-6650TM(E) 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(E) 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

Bluetooth Receiver on Harness 006-6650TM(E)
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
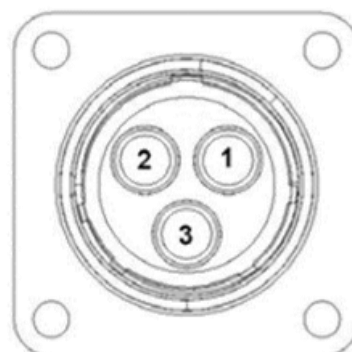Pin 2   N/A
Pin 3   +12V Keyed Tractor Power
Pin 4   N/A
Pin 5
Pin 6   N/A
Pin 7   N/A
Pin 8 Orange   Can1 Hi
Pin 9 Blue   Can1 Low
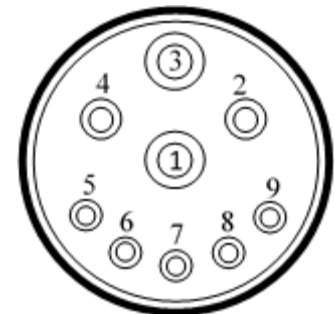
Pin Outs (continued)

Main Power Connector on DCP
Pin 1   Red   +12V Power from tractor
Pin 2   Black   Ground from tractor
Pin 3   Orange   Keyed power
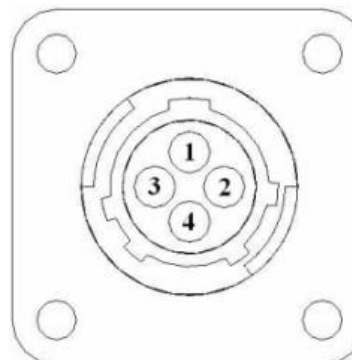
Star Wheel and Bale Rate Sensor connector on DCP
Pin 1   Blue   +12V Power
Pin 2   Orange   Ground
Pin 3   Black   Signal for sensor 1
Pin 4   White   Signal for sensor 2
Pin 5   N/A
Pin 6   N/A
Pin 7   N/A
Pin 8   Violet   Star wheel input 1
Pin 9   Brown   Star wheel input 2

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
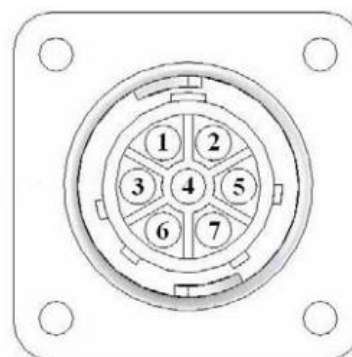
006-6650VAJ Harness to Baler Plug (John Deere Integration)
Pin A   N/A
Pin B   Red   TBC Power
Pin C   N/A
Pin D   Gray   TBC Ground
Pin E   Orange   Can1 Hi
Pin F   Blue   Can1 Low
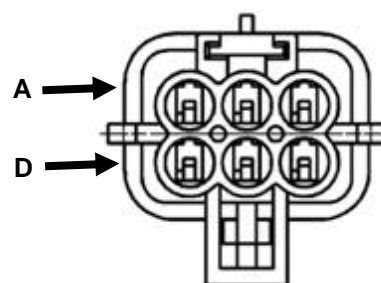
Pin Outs (continued)

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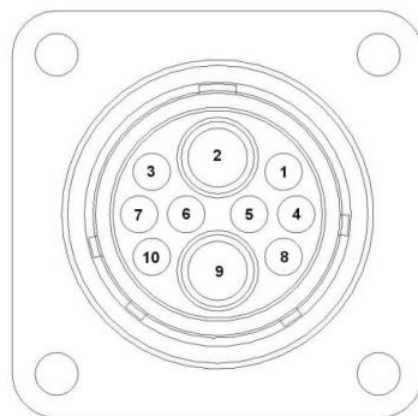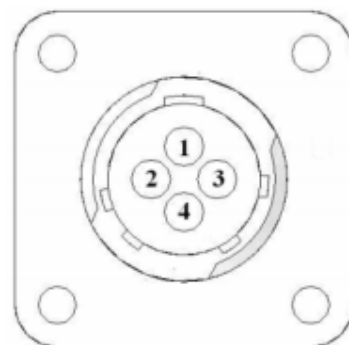| Pin 1 | Red | +12V Can |
Pin 2	Red	+12V Power
Pin 3	Gray	Shield
Pin 4	Green	Comm Channel OH
Pin 5	Yellow	Comm Channel OL
Pin 6	Blue	Comm Channel IH
Pin 7	Orange	Comm Channel IL
Pin 8	Black	Can Ground
Pin 9	Black	Power Ground
Pin 10	N/A	

Flow Meter Connection on Pump Controller
Pin 1	White	5 – 12V (+) Supply
Pin 2	Green	Ground
Pin 3	Brown	Signal
Pin 4	Black	Shield

Connector for Crop Eyes on DCP
Pin 1	Red	+12V Power
Pin 2	Black	Ground
Pin 3	White	Signal
Pin 4	N/A	
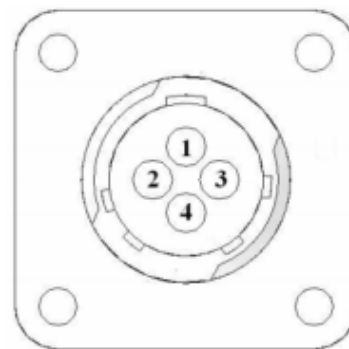
006-6650VAK Harness to Baler (Krone Integration)
Pin 1	Red	Power
Pin 2	Orange	CAN1_H
Pin 3	Black	RTN
Pin 4	Blue	CAN1_L
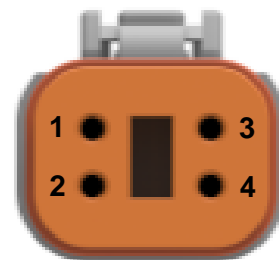
Pump Communication Plug on DCP
Pin 1	Red	+12V Can
Pin 2	Black	+12V Power
Pin 3	Yellow	Shield
Pin 4	Gray	Comm Channel OH
Pin 5	Green	Comm Channel OL
Pin 6	Orange	Comm Channel IH
Pin 7	Blue	Comm Channel IL
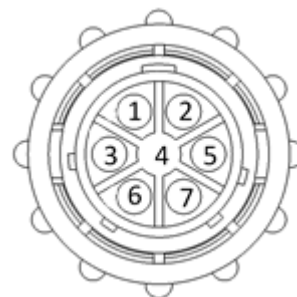
Parts Breakdown
Tank, Saddle & Legs 100 Gallon

Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Tank Lid 6"	005-9022C	1	5	3/4" Tank Fitting	005-9100	1
2	Tank – 100 Gal	005-9206	1	NP	3/4"x1/2" Elbow	003-EL3412	1
3	Tank Straps	001-4402	2	NP	Cap Gasket	005-9022CG	1
4	Tank Saddle	001-6706A	1				

Claas 5300 Saddle Legs (x2)

Part: 001-6706Q
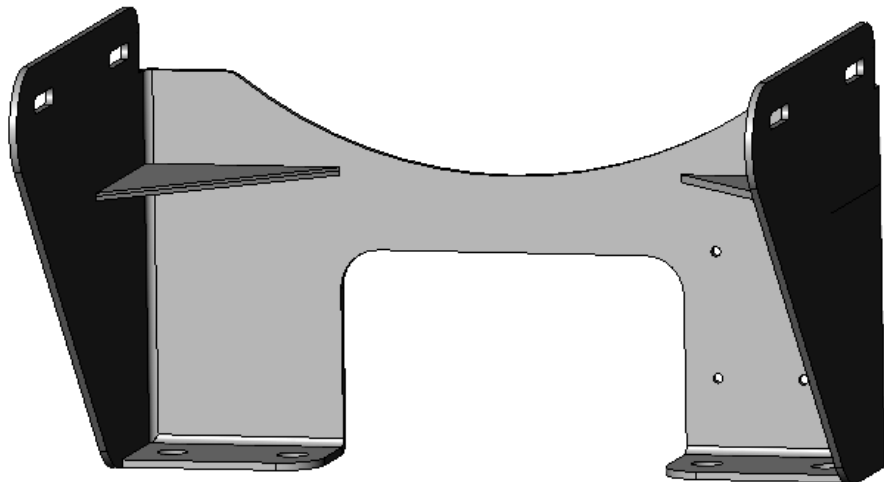
Parts Breakdown for Pump Manifold
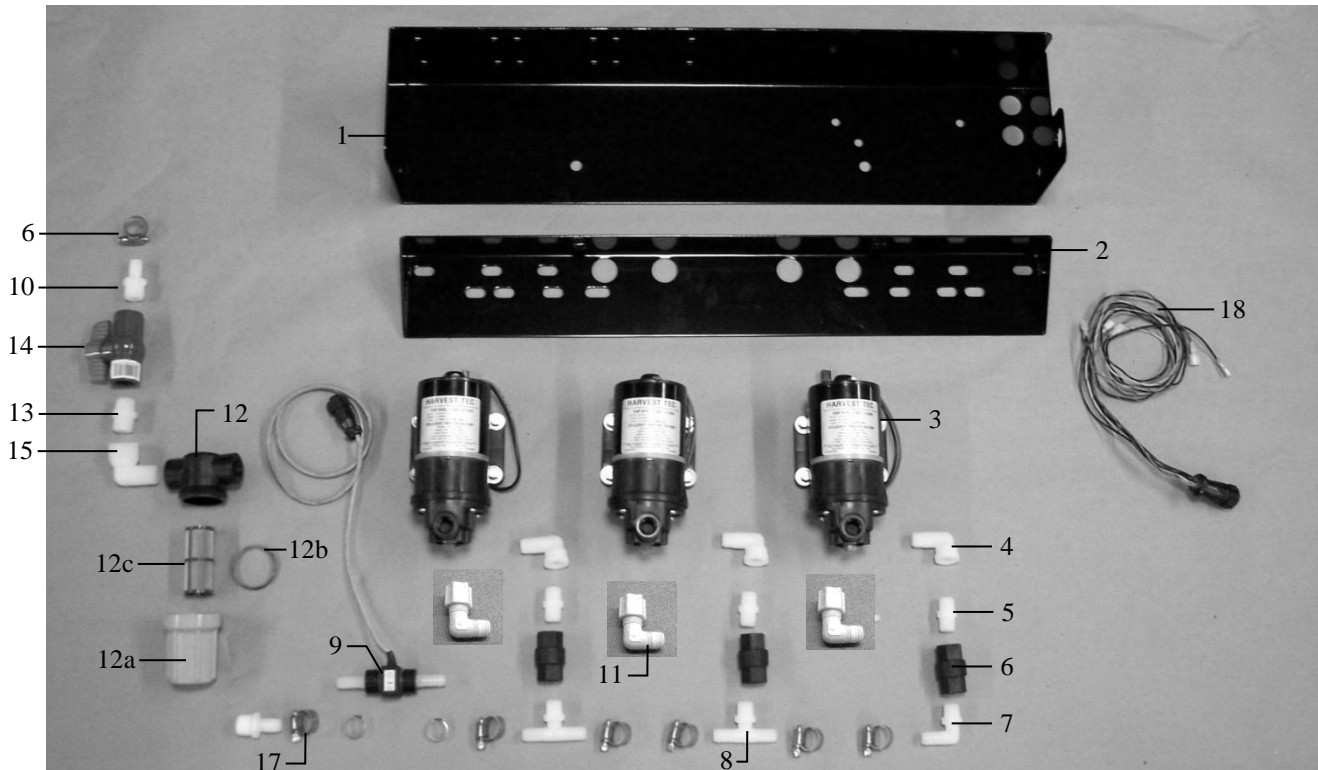
Ref#	Description	Part#	Qty
1	Pump plate	001-4646D	1
2	Mounting Bracket	001-4646C	1
3	Pump	007-4120H	3
4	Street elbow fitting	003-SE38	3
5	Nipple fitting	003-M3838	3
6	Check valve	002-4566F	3
7	Elbow fitting	003-EL3812	1
8	Tee fitting	003-T3812HB	2
9	Flow meter assembly	006-4725A	1
10	Straight fitting	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	

Star Wheel Moisture Sensors
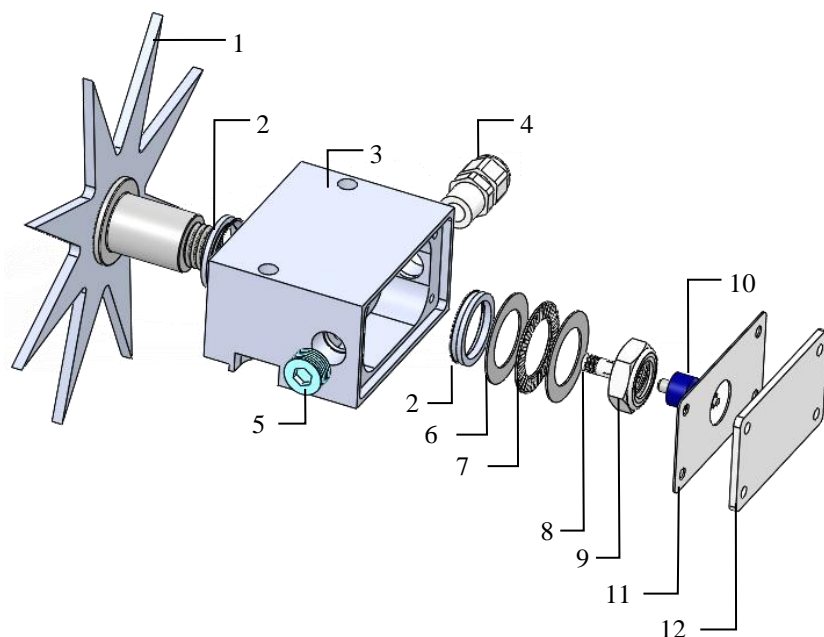
Ref	Description	Part#	Qty
1	Univ Star Wheel	006-4641S	1
2	Dust Seal	006-4641DSL	2
3	Univ Star Block	006-4641Q	1
4	3/8" NPT Cable Grip	008-0821A	1
5	3/8" NPT Plug	003-F38	1
6	Thrust Washer	006-4641TA	2
7	Thrust Bearing	006-4641TB	1
8	Swivel Insert	006-4642B	1
9	3/4" Short Nut	006-4641U	1
10	Rotary Swivel	006-4642A	1
11	Cover Gasket	006-4641RG	1
12	Univ Block Cover	006-4641R	1
NP	Twine Diverter (right)	001-4644	1
NP	Twine Diverter (left)	001-4645	1
	Complete Assembly	030-4641U	2
	(Ref 1-12)		

Bale Rate Sensors & Harness
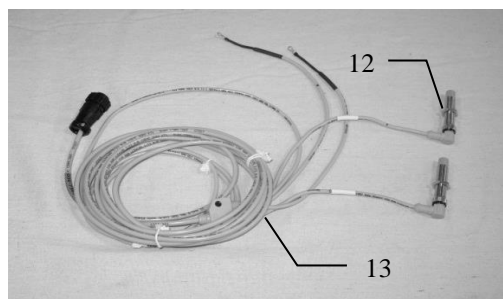
Ref	Description	Part#	Qty
12	Bale rate sensor	006-7303S	2
13	Moisture and bale rate harness	006-7303HX(E)	1

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

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Parts Breakdown for 695 Series Control and Harnesses
Dual Channel Processor (DCP)
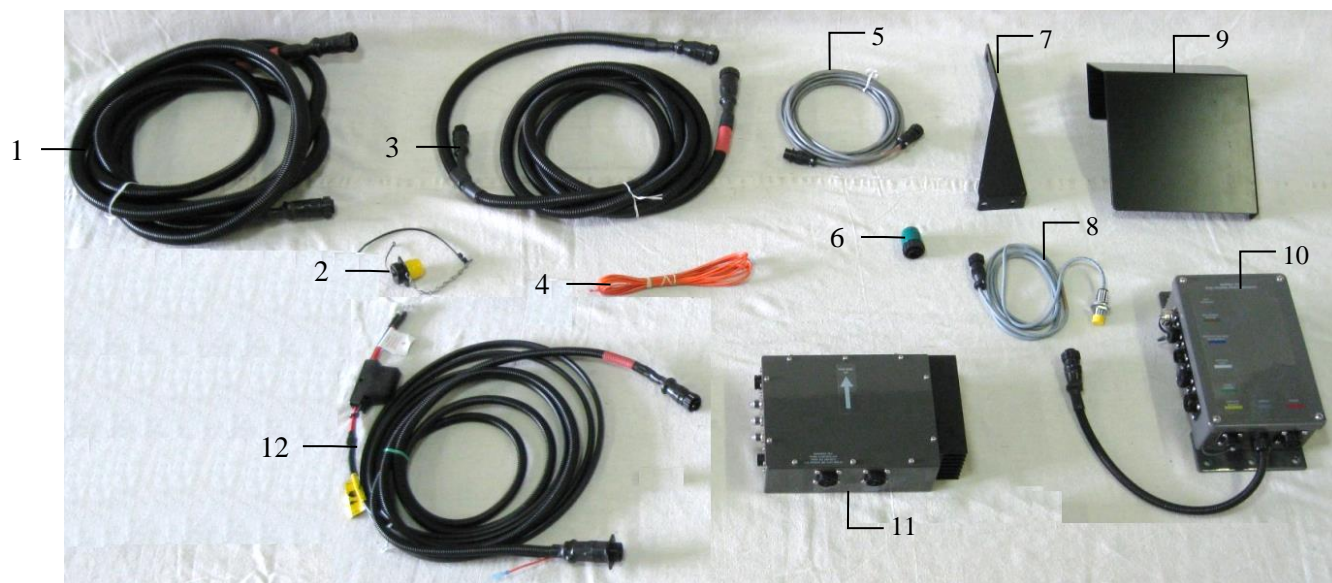
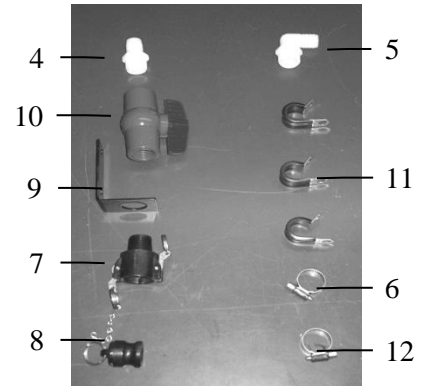| Ref	Description	Part Number	Qty
1	Modular Power/Comm 15 FT Harness	006-5650F2M(E)	1
2	Dust Plugs	006-5651PLUGS	1
3	DCP Baler Harness 15 FT	006-6650LS	1
4	Key Switch Wire	006-5650K	1
5	EOB Extension for CNH BB Series	006-7400BBEXT	1
6	Terminating Connector 600 Series	006-5650Z	1
7	End of Bale Sensor Bracket	001-4648	1
8	End of Bale Sensor 600 Series	006-7400	1
9	DCP Shield/Cover	001-5650X	1
10	DCP Main Control LS 600 AUTO	006-6671LS	1
11	Pump Controller	006-5672	1
12	DCP Tractor Harness	006-6650TM(E)	1

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

iPad Integration Control

Part #: 030-6672C

Parts Breakdown for Hose and Drain Fill Line
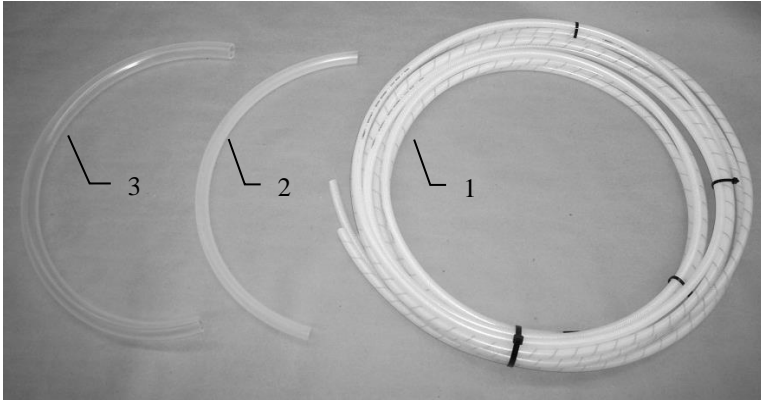
Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Triple weld hose (pumps to tips)	002-9016	15ft	7	Female Coupler	002-2204A	1
		002-9016B	15ft	8	Male Coupler	002-2205G	1
		002-9016G	15ft	9	Valve Holder	001-6702H	1
	Three hose assembly	030-9016RB	1	10	Ball valve	002-2200	1
2	1/2" Hose (tank to filter)	002-9001	20ft	11	Jiffy Clip	008-9009	7
3	3/4" Hose (tank to drain/fill valve)	002-9002	10ft	12	Hose Clamp #6	003-9003	2
4	Straight Fitting	003-A3434	1				
5	Elbow	003-EL3434	1				
6	Hose Clamps #10	003-9004	2				

Optional iPad Mini Mounting Kit (030-2014MK)
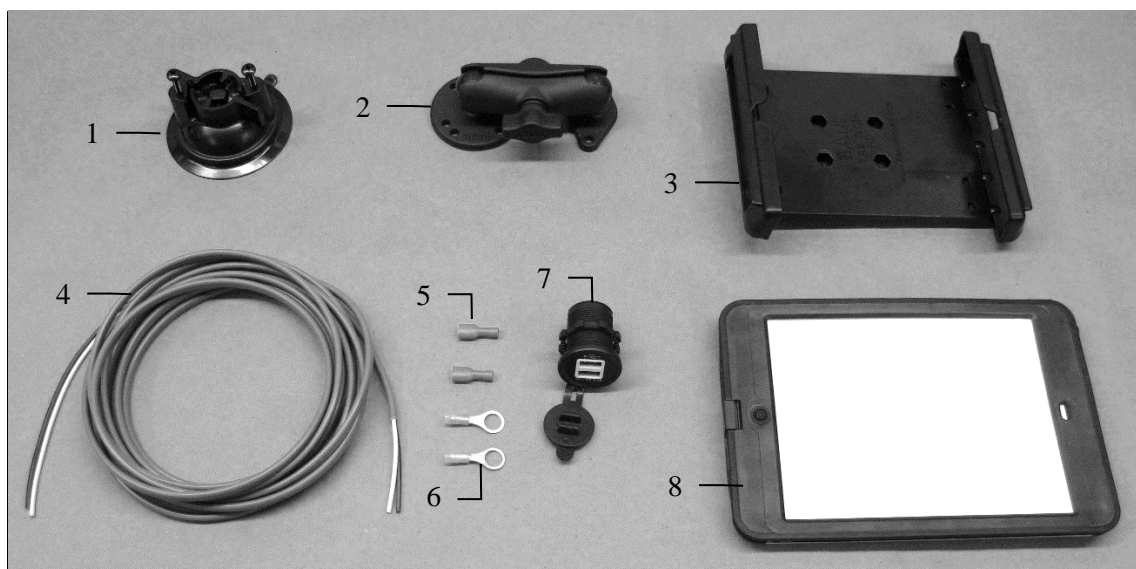
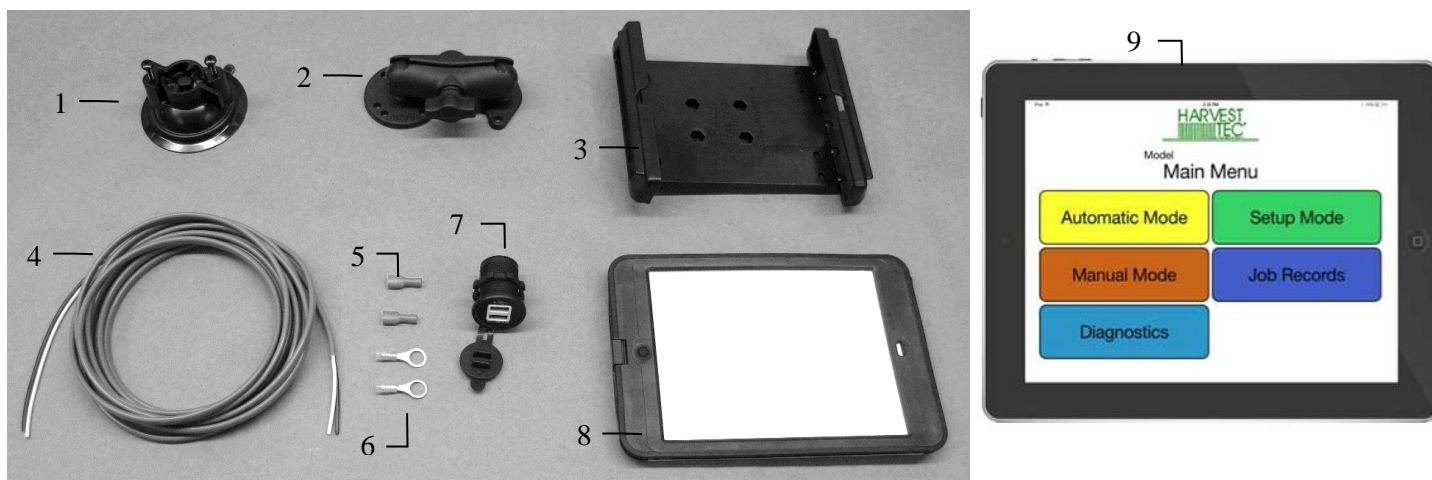| Ref	Description	Part #	Qty
1	Suction cup mount	001-2012SCM	1
2	Ram mount	001-2012H	1
3	iPad Mini spring load cradle (Mini 4)	001-2012SLC	1
4	16 gauge power wire	006-4723P	1
5	Female spade connector	Hardware	2
6	Eye loop connector	Hardware	2
7	iPad Mini Charger 12V	001-2012P	1
8	iPad Mini 4 case	001-2012C4	1
NP	4 amp fuse	Hardware	1
	Mounting Kit Assembly	030-2014MK (Includes All Parts)	

Installation Instructions

1. Identify 12V power source for wires to connect.
    a. Eye loops included if wiring directly to the battery is desired.
    b. Test for key power source if preferred to have power to the USB shut off with the key.
2. Once power source is identified, cut wires to desired length.
3. Crimp the two supplied quick connectors onto each the white and black wire.
4. Remove the round locking plastic nut from USB plug before connecting the wires. Black (+) White (-).
5. The wires will then be hooked to the designated terminals on the bottom of the USB plug
6. Drill a 1 1/8" hole in the preferred mounting location. Be sure to clean any sharp edges after drilling.
7. Feed the wires through the mounting hole.
8. 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.
9. Connect the wires to the identified power source if easier to do so before tightening the plug into place.
10. Tighten plug using either the round plastic nut or mounting plate and two screws, both options supplied.
11. 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.

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 (Includes All Parts)	

Installation Instructions

1. Identify 12V power source for wires to connect.
   a. Eye loops included if wiring directly to the battery is desired.
   b. Test for key power source if preferred to have power to the USB shut off with the key.
2. Once power source is identified, cut wires to desired length.
3. Crimp the two supplied quick connectors onto the white and black wire.
4. Remove the round locking plastic nut from USB plug before connecting the wires. Black (+) White (-).
5. The wires will then be hooked to the designated terminals on the bottom of the USB plug
6. Drill a 1 1/8" hole in the preferred mounting location. Be sure to clean any sharp edges after drilling.
7. Feed the wires through the mounting hole.
8. 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.
9. Connect the wires to the identified power source if easier to do so before tightening the plug into place.
10. Tighten plug using either the round plastic nut or mounting plate and two screws, both options supplied.
11. 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.

4537B Installation Kit
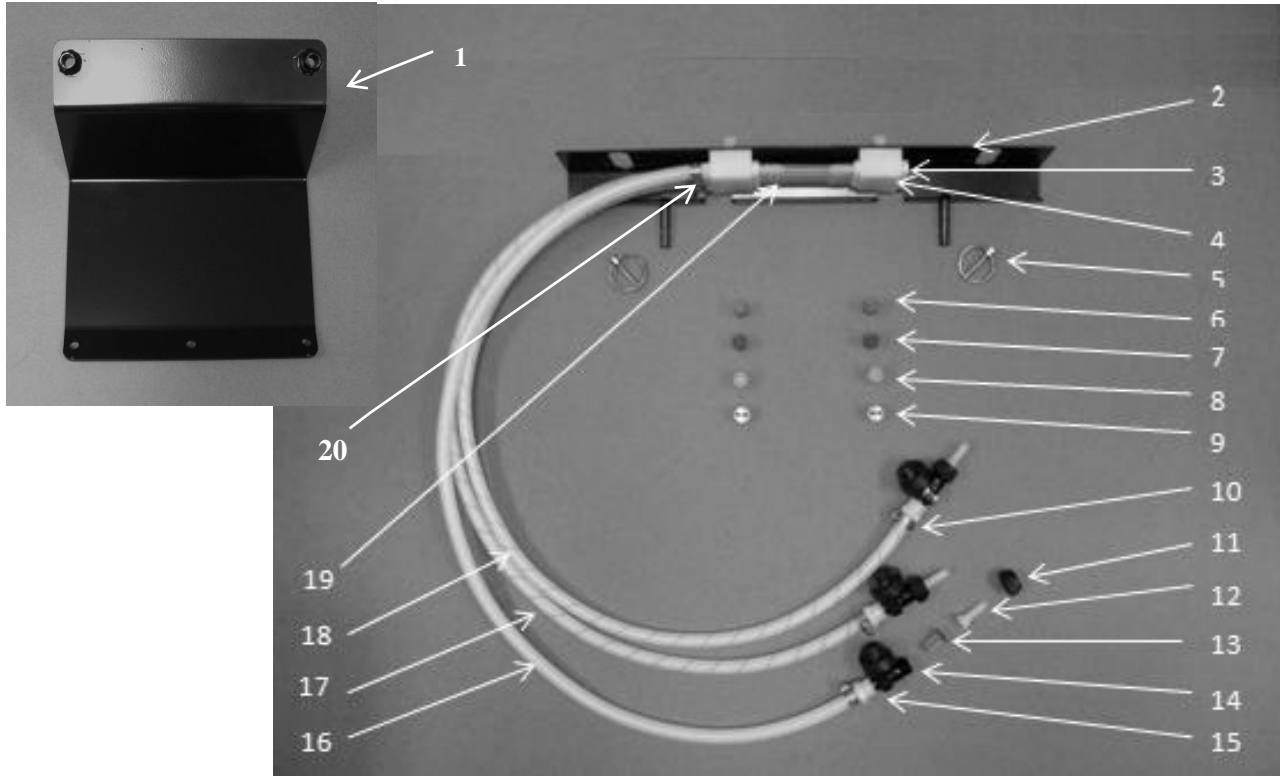
Ref	Description	Part Number	Qty	Ref	Description	Part Number	Qty
1	Holder	001-4435L	1	11	Cap	004-4723	3
2	Shield	001-4435NSX	1	12	Fitting	003-A1414VB	3
3	Fitting	003-F14	3	13	Strainer	004-1203-100	3
4	Manifold Block	001-4435NSB	2	14	Check Valve	004-1207VB	3
5	Lynch Pin	008-4576	2	15	Fitting	003-A1414F	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

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. 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, 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 4/17

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