

Installation Manual

Model 696BB ***115 Gallon Preservative Applicator*** ***For New Holland BigBaler and Case IH LB 4***



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Introduction

Thank you for purchasing the 696BB Hay Preservative Applicator System. This applicator system has been designed to plug directly into the baler's ISOBUS and display on the New Holland Intelliview 3 or Intelliview 4, Case Pro 300 or Pro 700. The 696BB Preservative Applicator System offers these advantages:

1. Operation coordinated with baler operation
2. Less cab clutter providing better visibility
3. Ease of use with all information on one screen
4. Records kept together
5. The system is ready for future updates

The 696BB Hay Preservative Applicator System is designed to apply buffered propionic acid to the forage crop as it is baled. The 696BB Applicator will adjust the rate of application based on moisture and tonnage of the crop being harvested. This manual will take you through the steps of installing the applicator. Please read this manual carefully to learn how to install the equipment correctly. Failure to do this can result in personal injury or equipment malfunction. If you are unsure about installing the system after consulting this manual, contact your local authorized dealership for additional assistance or look for the contact information on the back cover of this manual. If you are in need of parts for the system please view the Parts Breakdowns toward the back of this manual and contact your local authorized dealer to order the parts. This applicator is designed to apply Crop Saver and Thirty Plus buffered propionic acid.

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

Installation Kit Reference Chart

BALER MAKE	MODEL	INSTALL KIT
Case IH	LB 234 Standard or Packer	030-4532B
	LB 334 Standard or Packer	030-4533B
	LB 334 Roto Cut	030-4535B
	LB 434 Standard or Packer	030-4534B
	LB 434 Roto Cut	030-4536B
New Holland	BB 230 Standard or Packer	030-4532B
	BB 330 Standard or Packer	030-4533B
	BB 330 Roto Cut	030-4535B
	BB 340 Standard or Packer	030-4534B
	BB 340 Roto Cut	030-4536B

Tools Needed

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

Installation of Applicator

1. Removal of Tank Straps and Tank

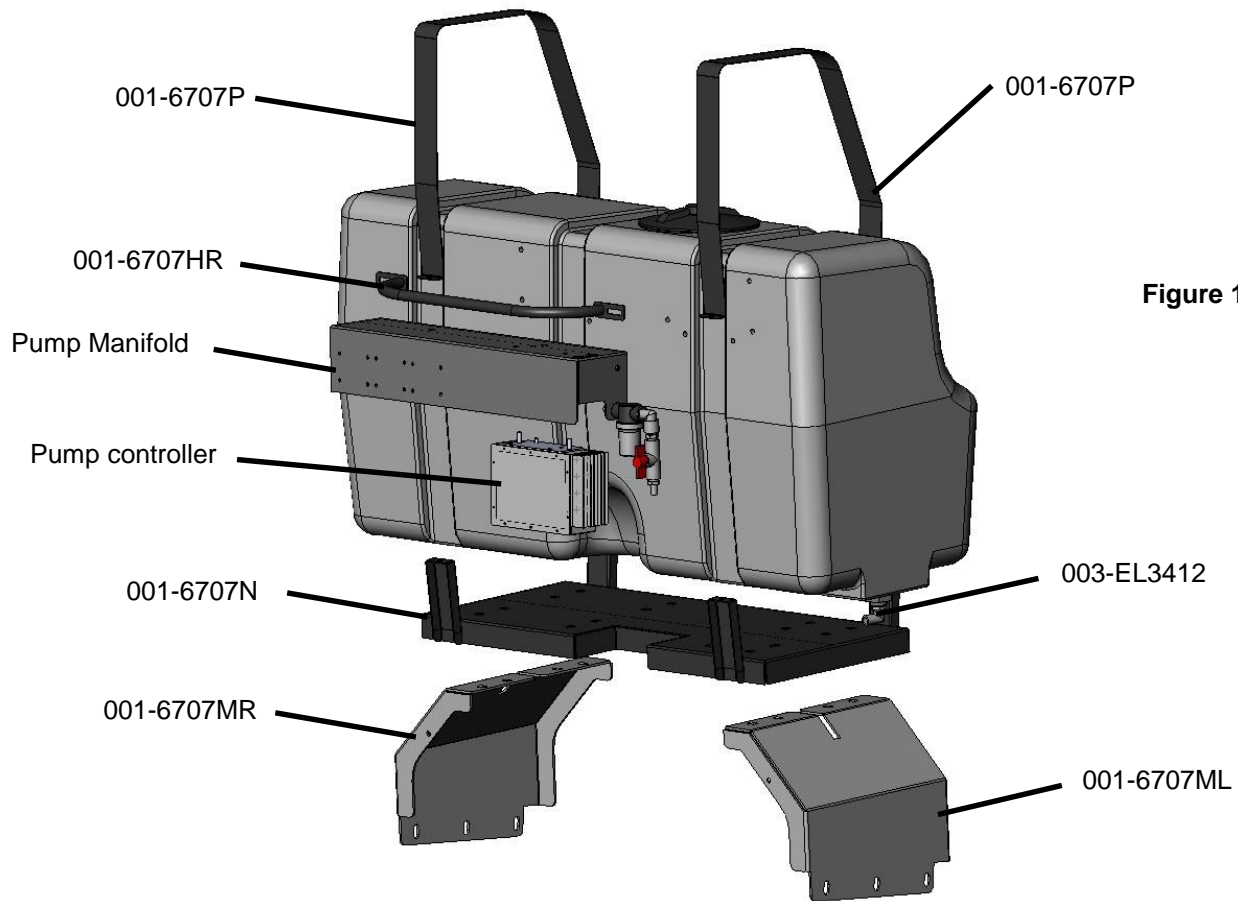


Figure 1

1. Remove the two tank straps (001-6707P) by removing all eight 3/8" hex nuts. Figure 1
2. Lift the tank (005-9218) away from the saddle (001-6707N) and place the tank on a smooth flat surface.
3. Install the pump supply elbow (003-EL3412) on the bottom of the tank. Figure 1
4. Install the drain/fill elbow (003-EL3434) on the side of the tank below the sight gauge.

2. Installation of Saddle Legs and Saddle

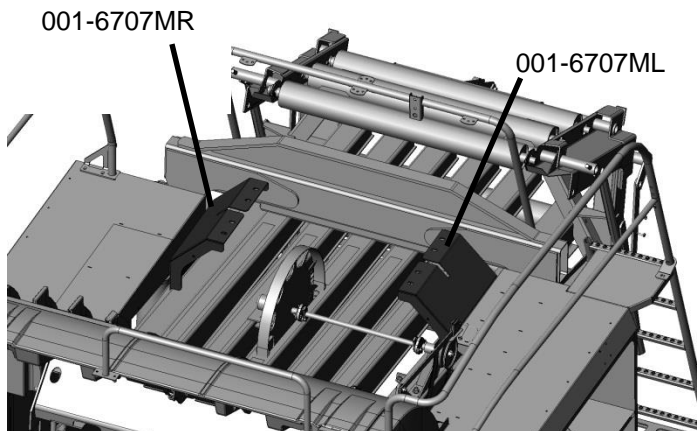


Figure 2

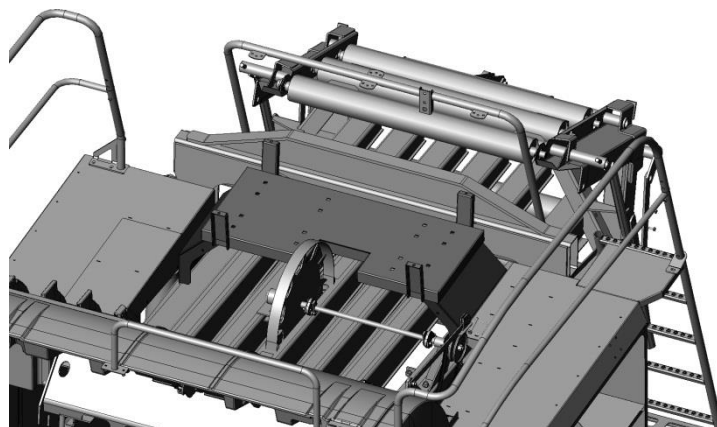
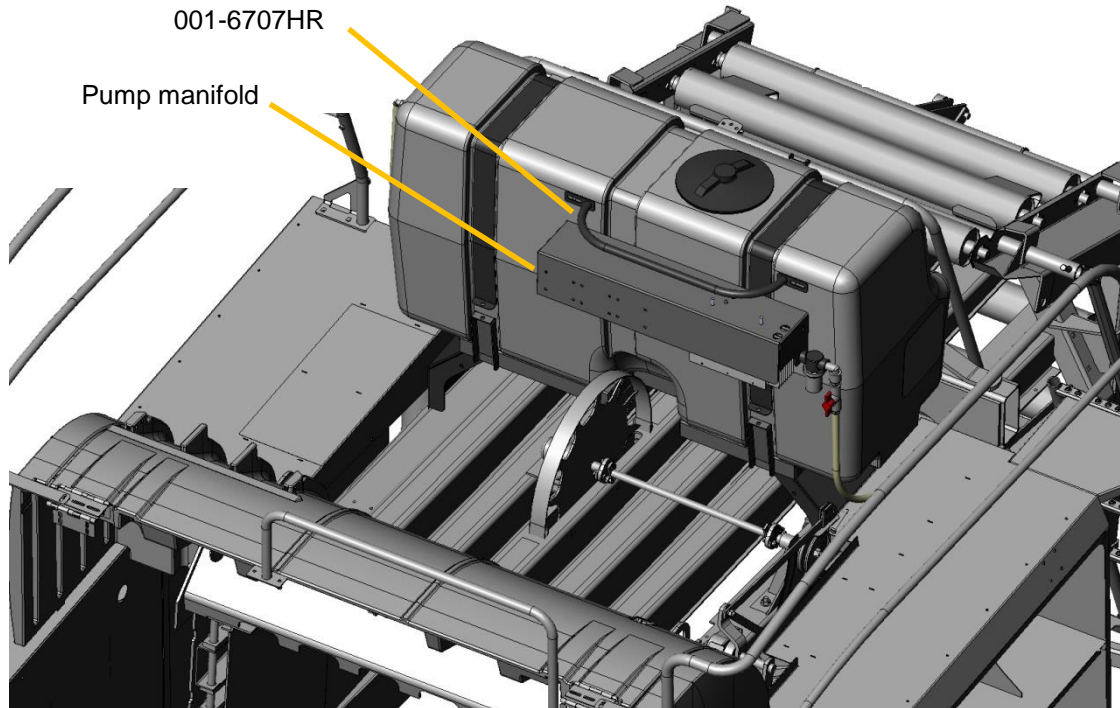


Figure 3

1. Install the two saddle legs (001-6707MR & 001-6707ML) on to the top of the baler chute as shown. Figure 2
2. Secure the two legs with six (three per side) 1/2" x 1-3/4" carriage bolts, flats washers, locks washers, and hex nuts. The six holes will be already punched out of the baler frame and will line up with the saddle legs. Make sure the bolt head is in the chamber.
3. Install the tank saddle (001-6707N) on top of the saddle legs. Figure 3
4. Secure the tank saddle to the saddle legs using eight (four per side) 1/2" x 1-3/4" carriage bolts, flat washers, lock washers, and hex nuts. Use the outside set of holes for four foot wide balers and the inside set of holes for three foot wide balers. Figure 3
5. Make sure the carriage bolt heads are on top of the saddle and the bolt points towards the bale chamber.
6. Install the tank and secure with the straps and hardware removed from before. The tank straps will need to be secured with a double nut.

3. Installation of Pump Manifold and Hand Rail

Figure 4



1. Locate and attach the filter bowl assembly to the outside of the pump manifold. Remove the four flange bolts that connect the two parts of the pump manifold together. Figure 4
2. Connect the pump manifold mounting bracket to the tank and secure with six 3/8" x 3/4" flange bolts. Reinstall the other half of the pump manifold and secure with four 3/8" x 3/4" flange bolts. Figure 4
3. Install the handrail (001-6707HR) above the pump manifold using two 3/8" x 3/4" flange bolts. Figure 4
4. Install the Pump Controller (006-5672) on to the pump manifold. Secure using two 5/16" lock washers, flat washers and hex nuts. Figure 1
5. Locate the 1/2" hose and connect the filter bowl assembly to the sump tank fitting using the supplied two hose clamps. Figure 4

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 Dual Channel Processor (DCP)

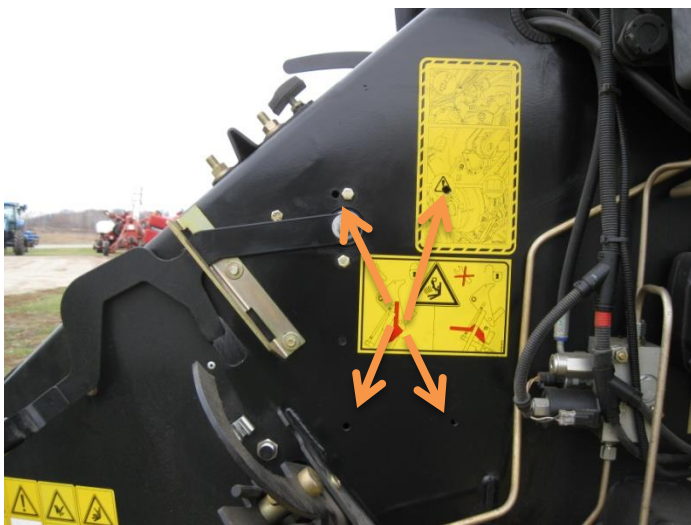


Figure 5

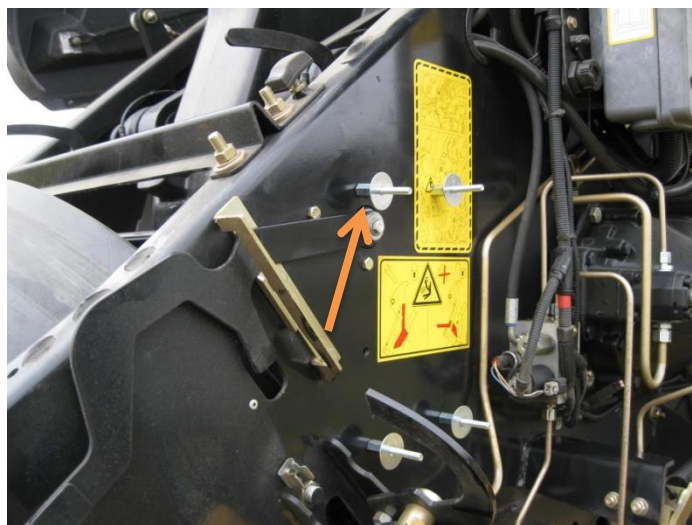


Figure 6

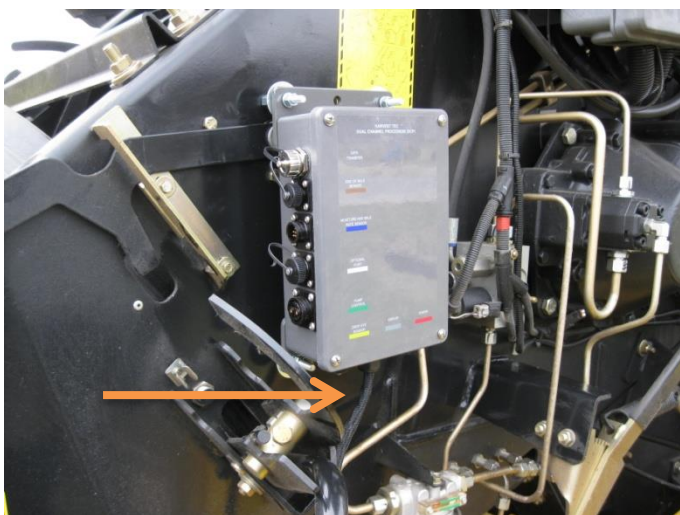


Figure 7

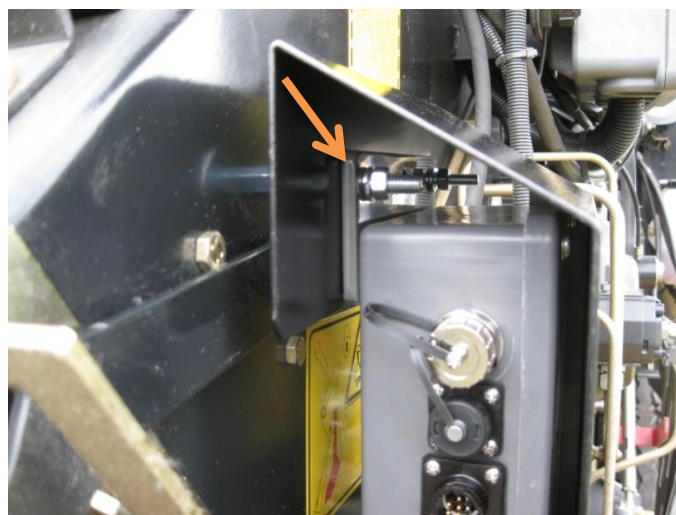


Figure 8

1. Locate the Dual Channel Processor (DCP) 006-6671LS.
2. Lock the baler flywheel brake and lift open the front hood.
3. Locate the four holes by the fly wheel brake. (Figure 5)
4. Use four 5/16" x 3" 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 (Figure 6.)
5. Mount the DCP with the display cable pointed down to the baler. (Figure 7)
6. Attach lock washers and hex nuts to mount the DCP to the baler. Do not tighten down yet (Figure 7)
7. 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. And finally tighten all hex nuts. (Figure 8)

5. Installation of Star Wheel Moisture Sensors

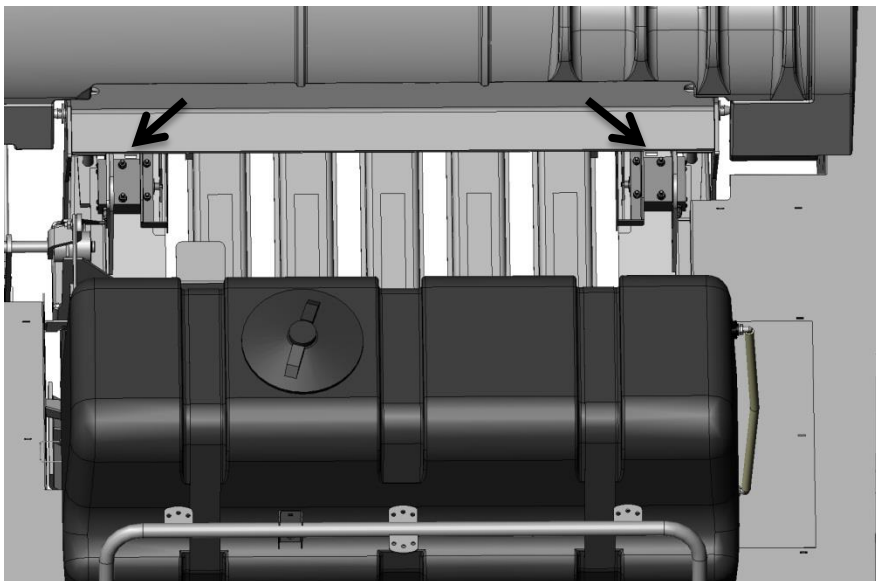


Figure 9

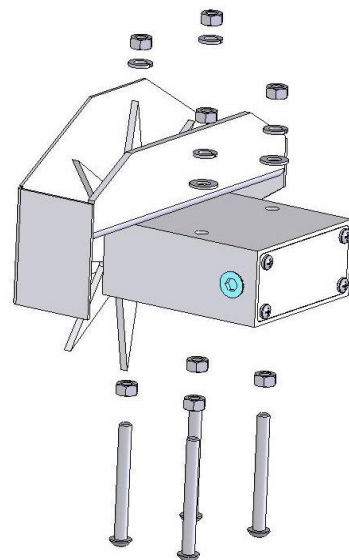


Figure 10

1. Locate the two star wheel moisture sensors (030-4641) and twine diverters (001-4644 & 001-4645)
2. Directly behind the knotters, locate the four predrilled holes per side shown at the arrows. This location is also beneath the lift points on top of the baler. Figure 9
3. Install the eight (four per side) 5/16" x 3" Allen head cap screws. Make sure the Allen heads are in the bale chamber. Secure using eight 5/16" hex nuts. Figure 10
4. Install the star wheels below the lift points on the baler.
5. Install the twine diverters over the star wheel sensor. The twine diverter with two extra sensors will be installed on the right star wheel.
6. Secure the star wheels and twine diverters with four 5/16" hex nuts, lock washers, and two flat washers. Figure 10

6. 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. This information is used for job records and will be used by the optional Bale Identification system.

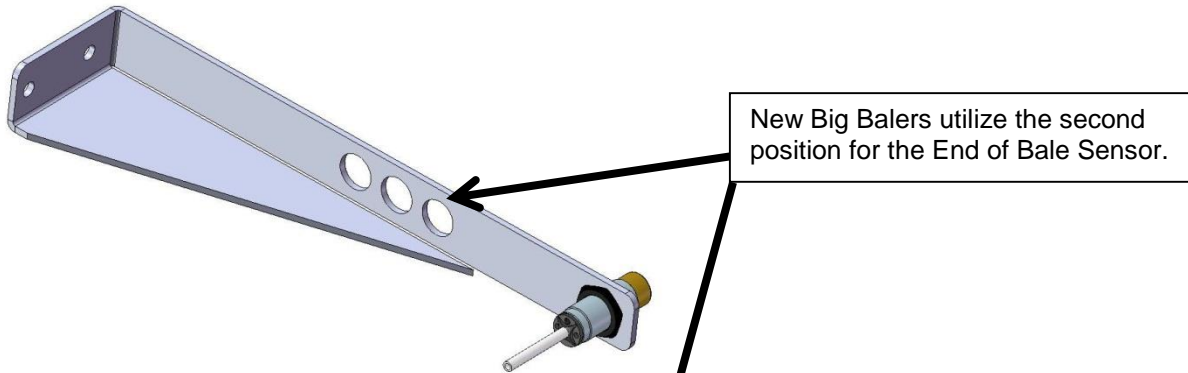
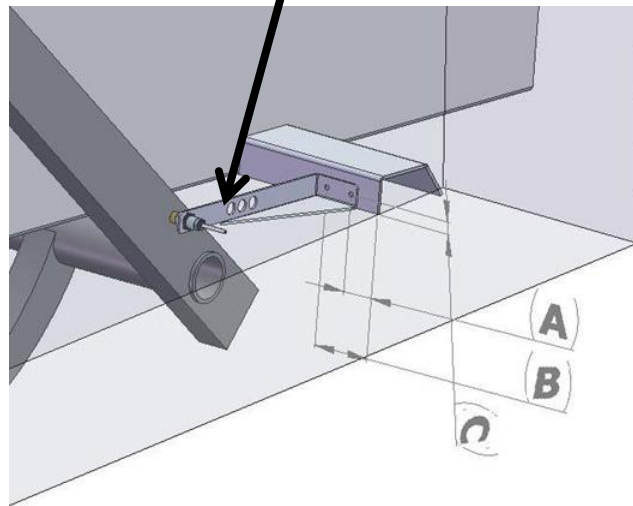


Figure 11



A	B	C
2-7/9"	4-3/8"	5/8"

Figure 12

Mount the end of bale sensor bracket (001-4648) as shown (figure 11-12) on the ladder side of the baler (and same side as the main controller). 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. Keep the sensor 1/4" from the needle and tighten both nuts. New BB Balers have been installing the End of Bale Sensor in the second position and trimming off the excess steel. Run the sensor cable (006-7400) and extension (006-7400BBEXT) up to the Dual Channel Processor (DCP) down the ladder side of the baler and secure it properly out of the way of any moving parts and hydraulics.

7. Installation of the Drain Fill Line

1. Thread 3/4" elbow fitting into end of tank.
2. Run hose from the elbow down the frame to the bottom of the baler (figure 13).
3. Drill 1/4" holes to accept the valve holder bracket and use 5/16" x 1" self-tapping screws (figure 14).
4. Connect valve assembly to other end of hose. Place hose clamps on both ends.
5. Secure hose to frame using cable locks.



Figure 13

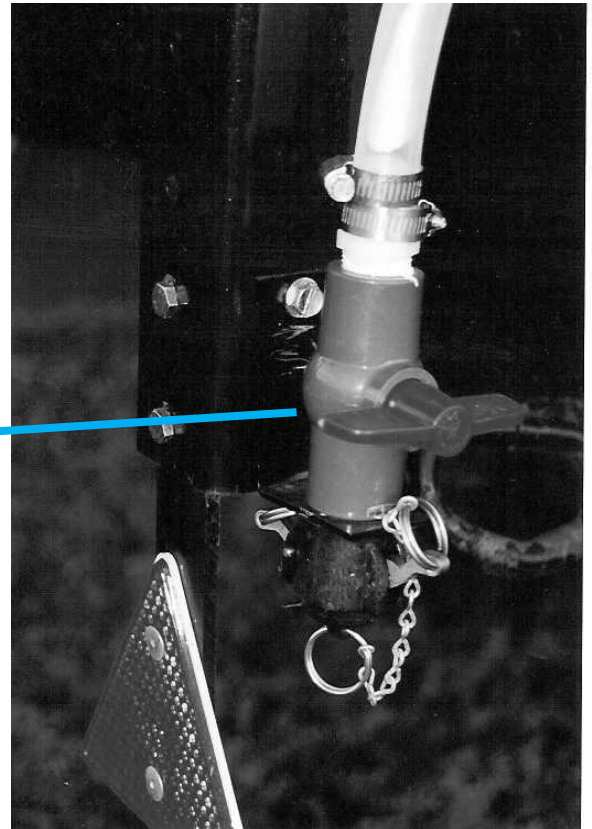


Figure 14

8. Installation of the 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.

**For BigBaler Standard and Packer Models
Installation Kit 4532B, 4533B & 4534B**

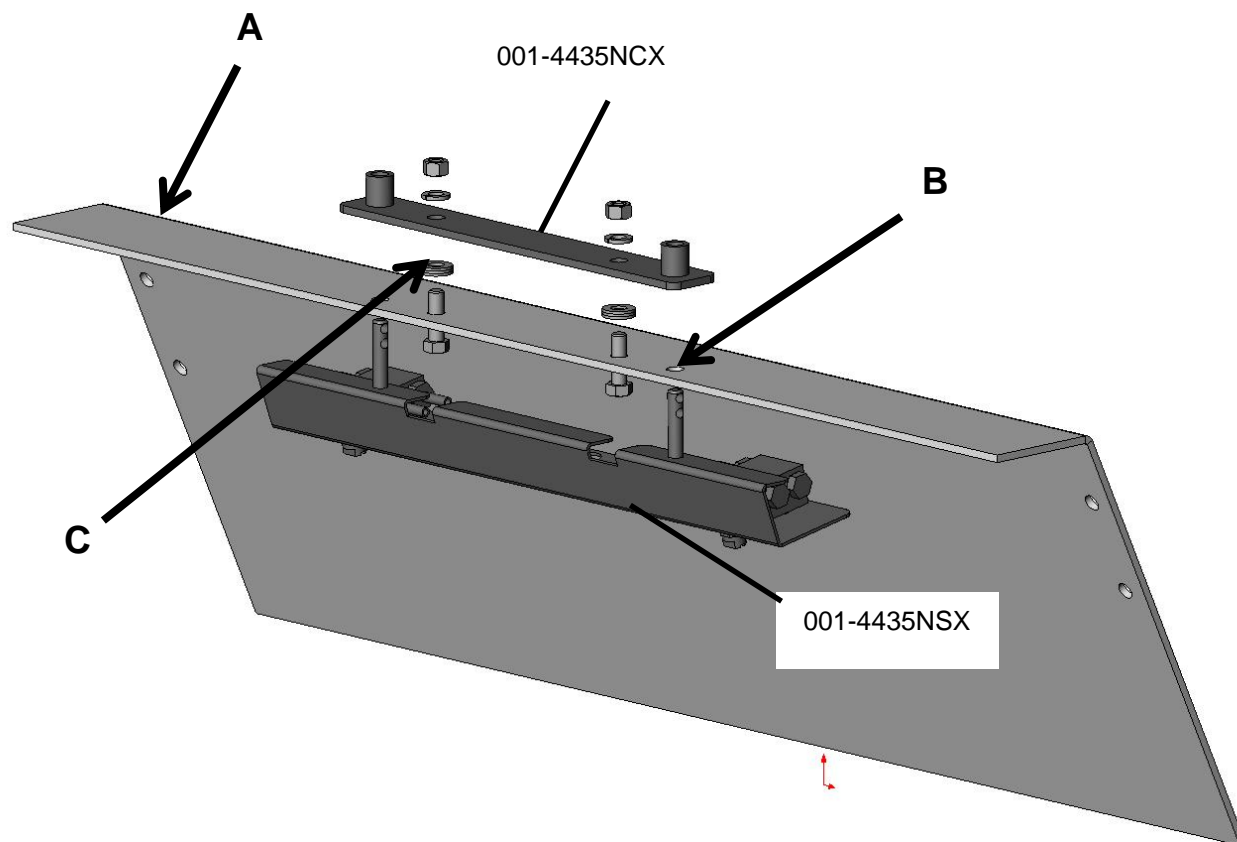


Figure 15

1. Locate the flat steel directly above the stuffer forks. Figure 15, Point A
2. Align the spray shield holder (001-4435NCX) to the center of the flat steel.
3. Using the shield holder (001-4435NCX) as a template clamp the holder to the baler, mark the four holes and drill them to 7/16" diameter (figure 15 point B).
4. Attach the shield holder (001-4435NCX) to the baler through the two center holes using the two 3/8" x 1-1/4" hex bolts, six flat washers, two lock washers, and two hex nuts. **Six** washers (three per side) may need to go between the baler and the spray shield holder (figure 15 point C).
5. Install the spray shield (001-4435NSX) to the holder and secure by using two lynch pins. Remove washers if necessary (Point C), but allow for a tight fit.

**For BigBaler Roto-Cut Models
Installation Kit 4535B & 4536B**

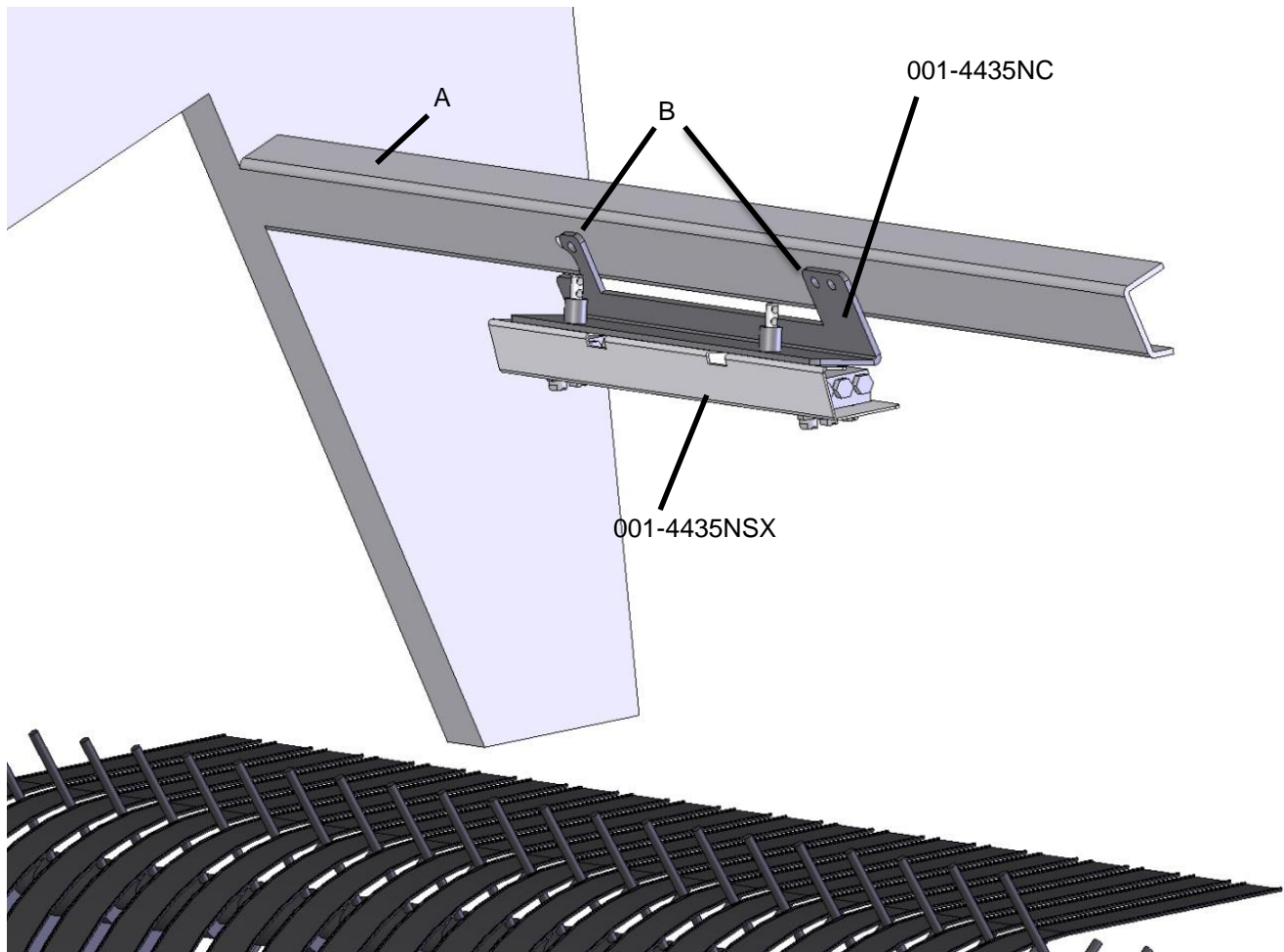


Figure 16

1. Locate the baler cross member directly above the rotor (figure 16 point A).
2. Locate the four pre-drilled holes on the cross member (figure 16 point B).
3. Install spray shield holder (001-4435NC) to baler using three 5/16" x 1" bolts, lock washers, hex nuts.
4. Install the spray shield (001-4435NSX) to the the shield holder (001-4435NC) and secure with supplied lynch pins.

9. Plumbing

- A. Locate the three ¼” hoses colored clear, blue, and green. The pumps will need to be connected to specific tips (figure 17 and 18) 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 of the pump and tighten the jaco nut. Because all nozzles on the spray shield are different the operator will need to match the correct pump position with the correct nozzles and tip positions.
- 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 Output Tips for Rates Requiring 84-632 lbs/hr. (Approximately 21-63 tons/hr)

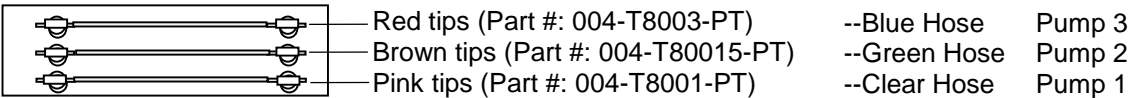


Figure 17

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

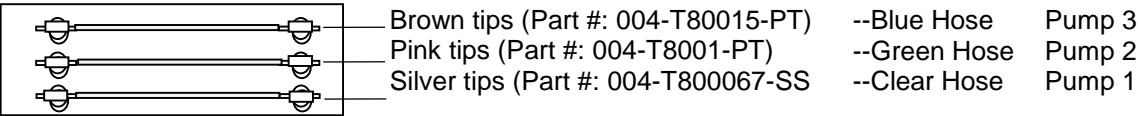


Figure 18

10. Installation of Star Wheel and Bale Rate Harnesses

First, remove the cover from the star wheel block and use a ¼" 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. Next, 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 closer to the front of the baler. The sensor with the shorter wire should say "BACK." The tip of the sensor should be placed no more than ¼" away from the star wheel teeth and no less than 1/8" 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 left side baler frame to the Dual Channel Processor (DCP). The Dual Channel Processor is located next to the flywheel brake.

11. Installation and Routing Wire Harnesses and Baler Interface Harness



Figure 19

Route harnesses along inside of the baler (figure 19). Keep harnesses away from moving parts and hydraulic hoses. Secure with existing cable clamps or use cable ties. When all connections are made to the DCP secure wires as shown above to allow for water to be shed away from the DCP.



Figure 20

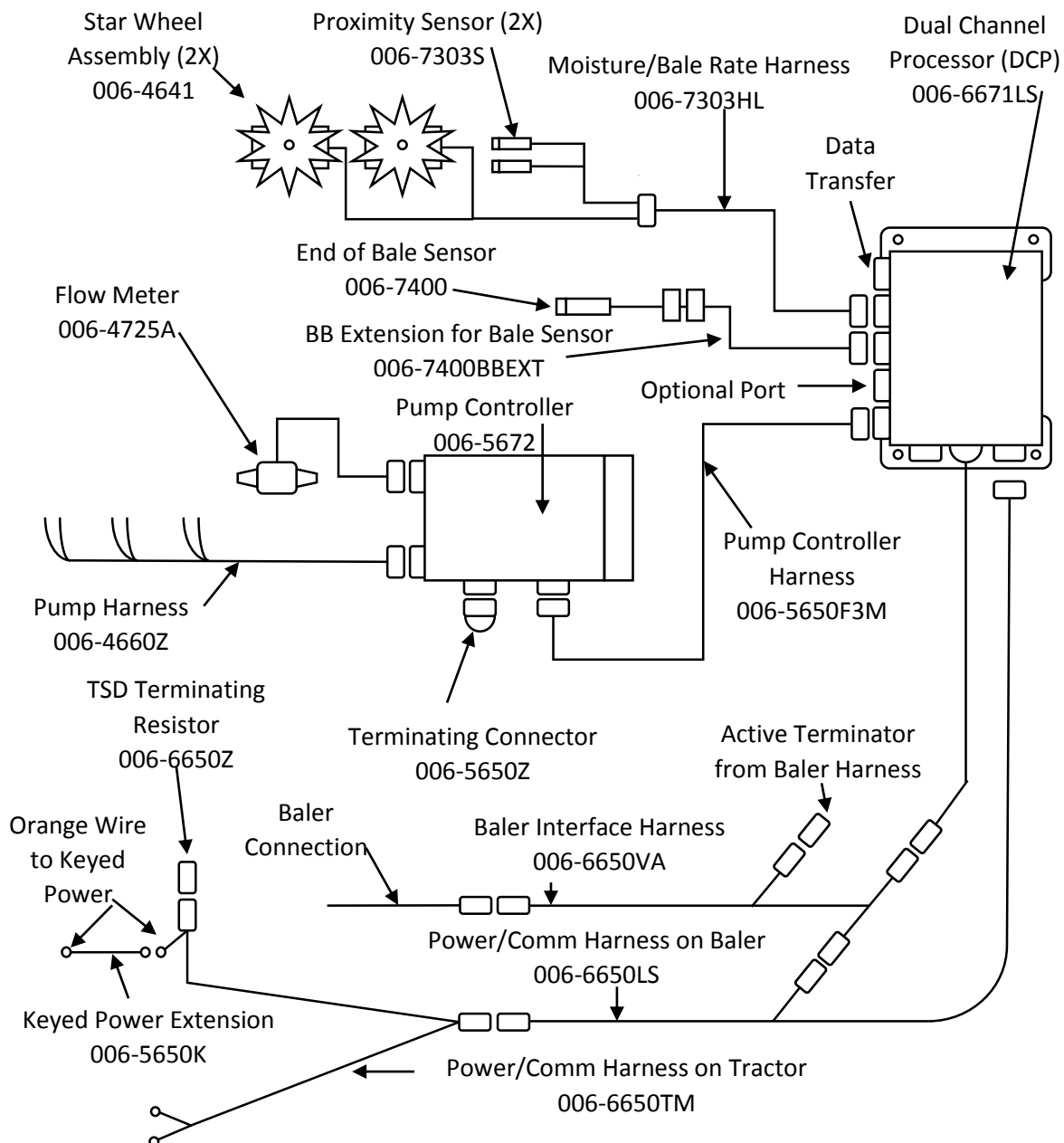
Locate and remove the Active Terminator of baler (figure 20 and 21). Attach Baler Interface Harness (006-6650VA) to that location. Reconnect Active Terminator to open port of that same harness (006-6650VA)



Figure 21

Baler Harness/Wiring Diagram with Baler Interface

- A. The **Baler Power/Communication Harness** (006-6650LS) will attach to the open port of the **Tractor Harness** (006-6650TM) and run back to the **Dual Channel Processor** (DCP-006-6671LS). Connect the large plug of the Baler Power/Communication Harness (006-6650LS) to the bottom (shorter side) of the DCP. Attach the **Baler Interface Harness** (006-6650VA) in between the short whip cable hardwired to the DCP and the main Power/Communication Harness (006-6650LS). Make sure Active Terminator removed from the top of the baler processor is attached to Baler Interface Harness (006-6650VA).
- B. Install green terminator (006-5650Z) to the port labeled **Modular Port** on the Pump Controller (006-5672).
- C. Attach moisture and bale rate harness (006-7303HL) and also end of bale harness (006-7400BBEXT) to the DCP (006-6671LS).
- D. Attach the Pump Control Harness (006-5650F3M) between the Pump Controller (006-5672) and the DCP (006-6671LS).
- E. Connect Keyed Power Extension harness (006-5650K) to a keyed power source.
 - a. When using Bluetooth Receiver (030-6672A) or optional Touch Screen Display (030-5670A). Connect either option to Communication Harness (006-6650TM) in place of the TSD Terminator (shown below) and connect the keyed power wire to a keyed power source on tractor.
- F. Note: the Optional Port and the Data Transfer Port are not used in this application.



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



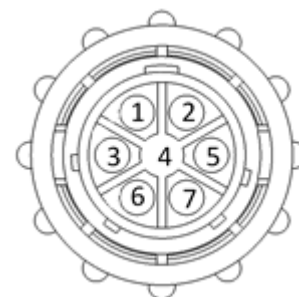
Power/Comm Harness 006-6650LS at Hitch

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



Display Plug or Bluetooth Receiver 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



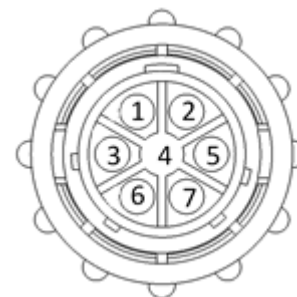
006-6650VA to DCP Whip

Pin 1	Red	Can Power
Pin 2	Black	Can Ground
Pin 3	Yellow	HT Can Hi
Pin 4	Gray	Shield
Pin 5	Green	HT Can Low
Pin 6	Orange	Can1 Hi
Pin 7	Blue	Can1 Low



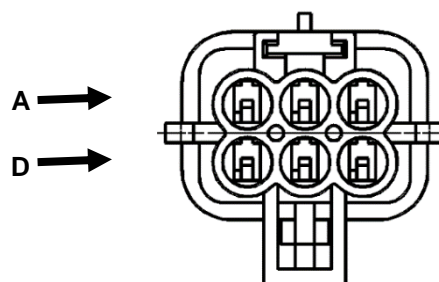
006-6650VA to 006-6650 LS

Pin 1	Red	Can Power
Pin 2	Black	Can Ground
Pin 3	Yellow	HT Can Hi
Pin 4	Gray	Shield
Pin 5	Green	HT Can Low
Pin 6	N/A	
Pin 7	N/A	



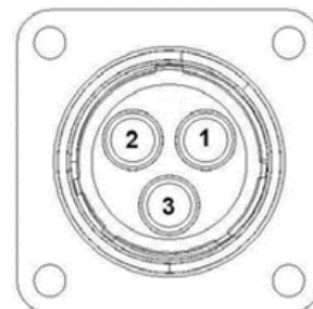
006-6650VA Harness to Baler Plug

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



Main Power Connector on DCP

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



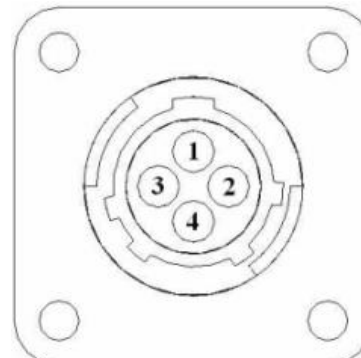
Star Wheel and Bale Rate Sensor Connector on DCP

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



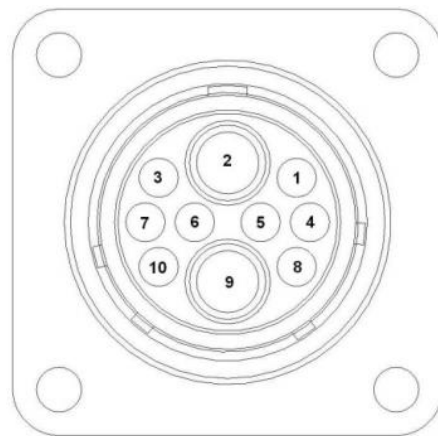
End of Bale Sensor on DCP

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



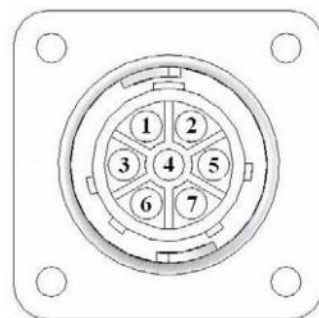
Pump Communication Plug on DCP

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	



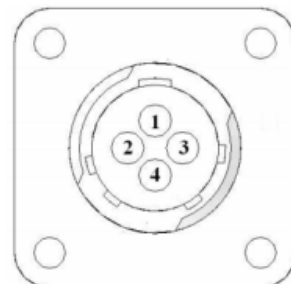
Pump Connection Colors

Pin 1	Black with Orange Stripe	Pump 1 Ground
Pin 2	Black with Green Stripe	Pump 2 Ground
Pin 3	Black with Yellow Stripe	Pump3 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



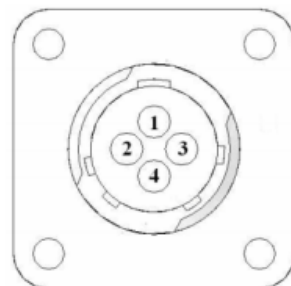
Flow Meter Connection on Pump Controller

Pin 1	White	+5-12V Power
Pin 2	Green	Ground
Pin 3	Brown	Signal
Pin 4	Black	Shield



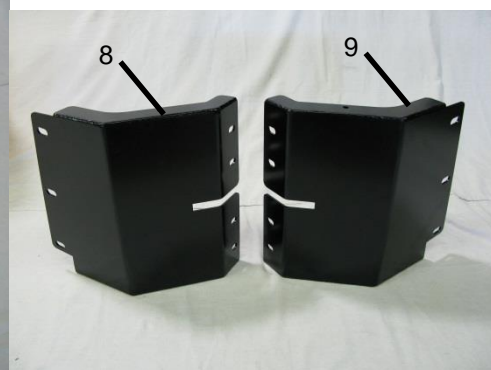
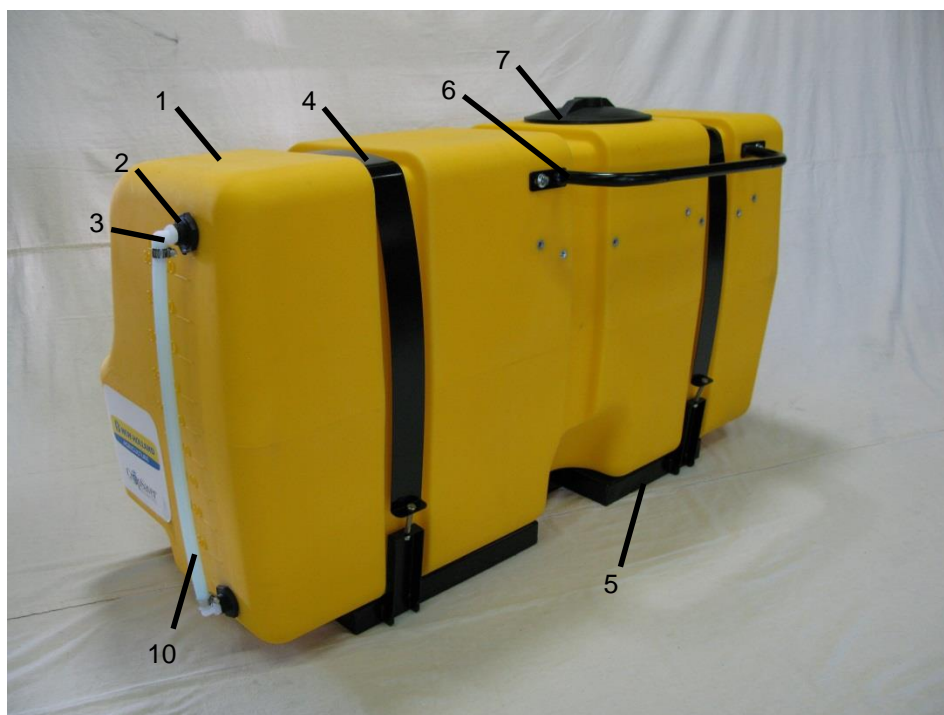
Connector for Crop Eyes on DCP

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



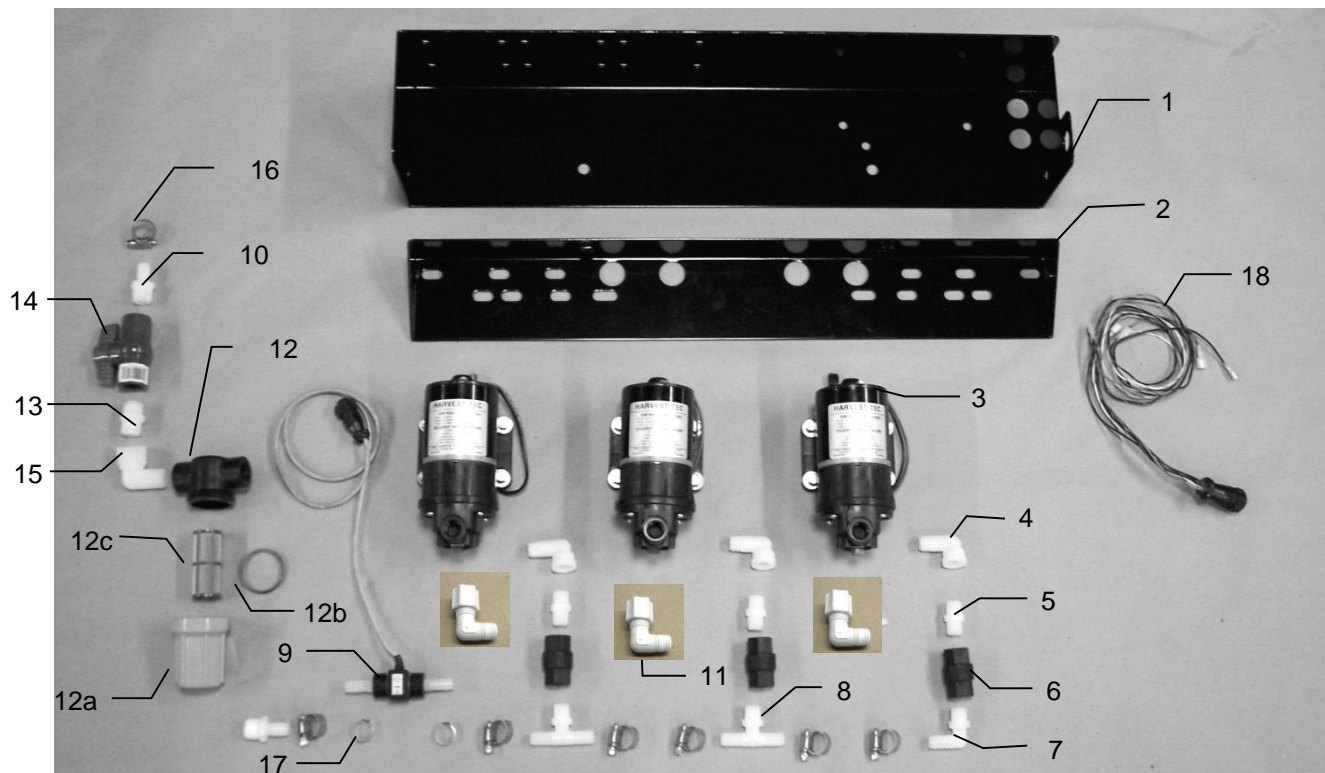
Parts Breakdown

Parts Breakdown for Tank, Saddle and Saddle Legs



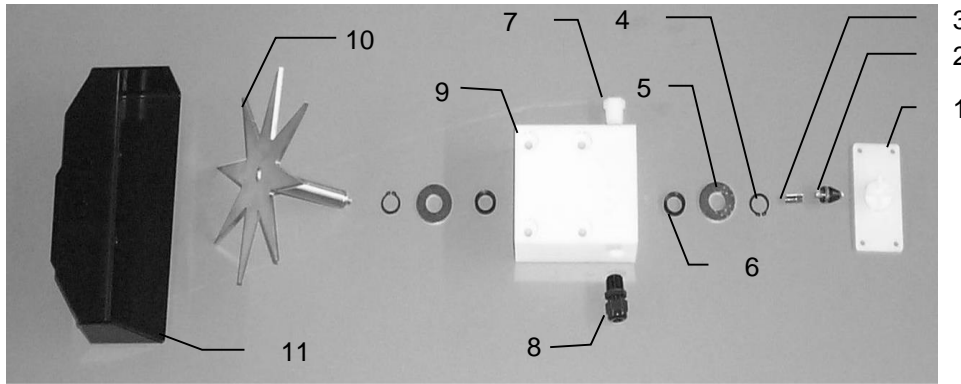
<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>
1	Tank	005-9218	1	9	Right saddle leg	001-6707MR	1
2	1/2" tank fitting	005-9104	2	10	1/2" hose	002-9001	2
3	Elbow	003-EL1212	2	NP	Not Pictured:		
4	Tank straps	001-6707P	2	NP	Elbow	003-EL3434	1
5	Tank saddle	001-6707N	1	NP	Elbow	003-EL3412	1
6	Handrail	001-6707HR	1	NP	3/4" tank fitting	005-9100	2
7	Tank lid	005-9022H	1	O	Optional:		
8	Left saddle leg	001-6707ML	1	O	Tank lid strainer	005-9022HBS	1

Parts Breakdown for Pump Manifold

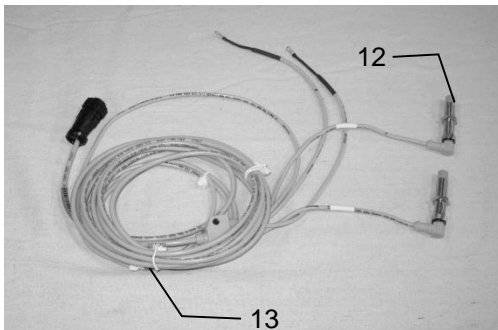


<u>Ref#</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>
1	Pump plate	001-4646D	1
2	Mounting Bracket	001-4646C	1
3	Pump	007-4120H	3
4	Street elbow fitting	003-SE38	3
5	Nipple fitting	003-M3838	3
6	Check valve	002-4566F	3
7	Elbow fitting	003-EL3812	1
8	Tee fitting	003-T3812HB	2
9	Flow meter assembly	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
NP	Not Pictured		

Parts Breakdown for Star Wheel Moisture Sensor And Bale Rate Sensor

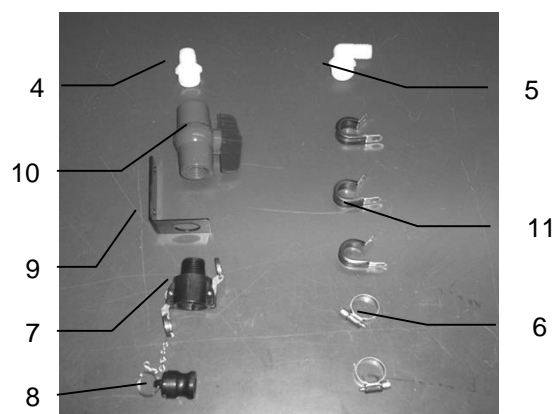
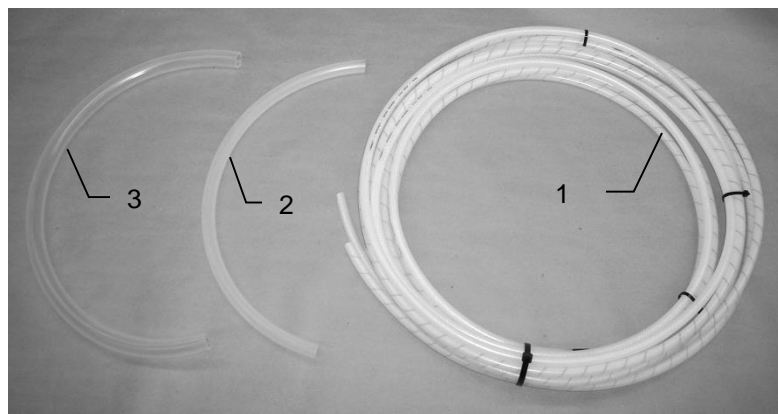


<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>
1	Block cover	006-4641B	2	9	Star wheel block	006-4641A	2
2	Electronic swivel	006-4642A	2	10	Star wheel sensor	030-4641C	2
3	Swivel insert	w/ Ref # 10	2	11	Twine guard-left	001-4645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



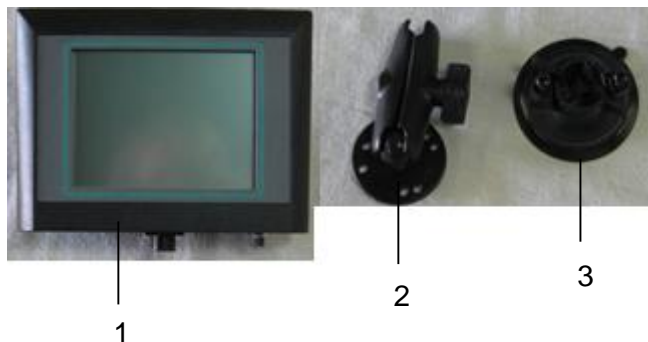
<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>
12	Bale rate sensor	006-7303S	2
13	Moisture and bale rate harness	006-7303HL	1

Parts Breakdown for Hose and Drain Fill Line



<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	Triple weld hose (from pumps to tips)	002-9016	25ft	7	Female Coupler	002-2204A	1
		002-9016B	25ft				
		002-9016G	25ft				
	Three hose assembly	030-9016LS	1				
2	1/2" Hose (tank to filter)	002-9001	6ft	8	Male Coupler	002-2205G	1
3	3/4" Hose (tank to drain/fill valve)	002-9002	10ft	9	Valve Holder	001-6702H	1
4	Straight Fitting	003-A3434	1	10	Ball valve	002-2200	1
5	Elbow	003-EL3434	1	11	Jiffy Clip	008-9010	3
6	Hose Clamps	003-9004	2				

Optional Touch Screen Display (TSD)



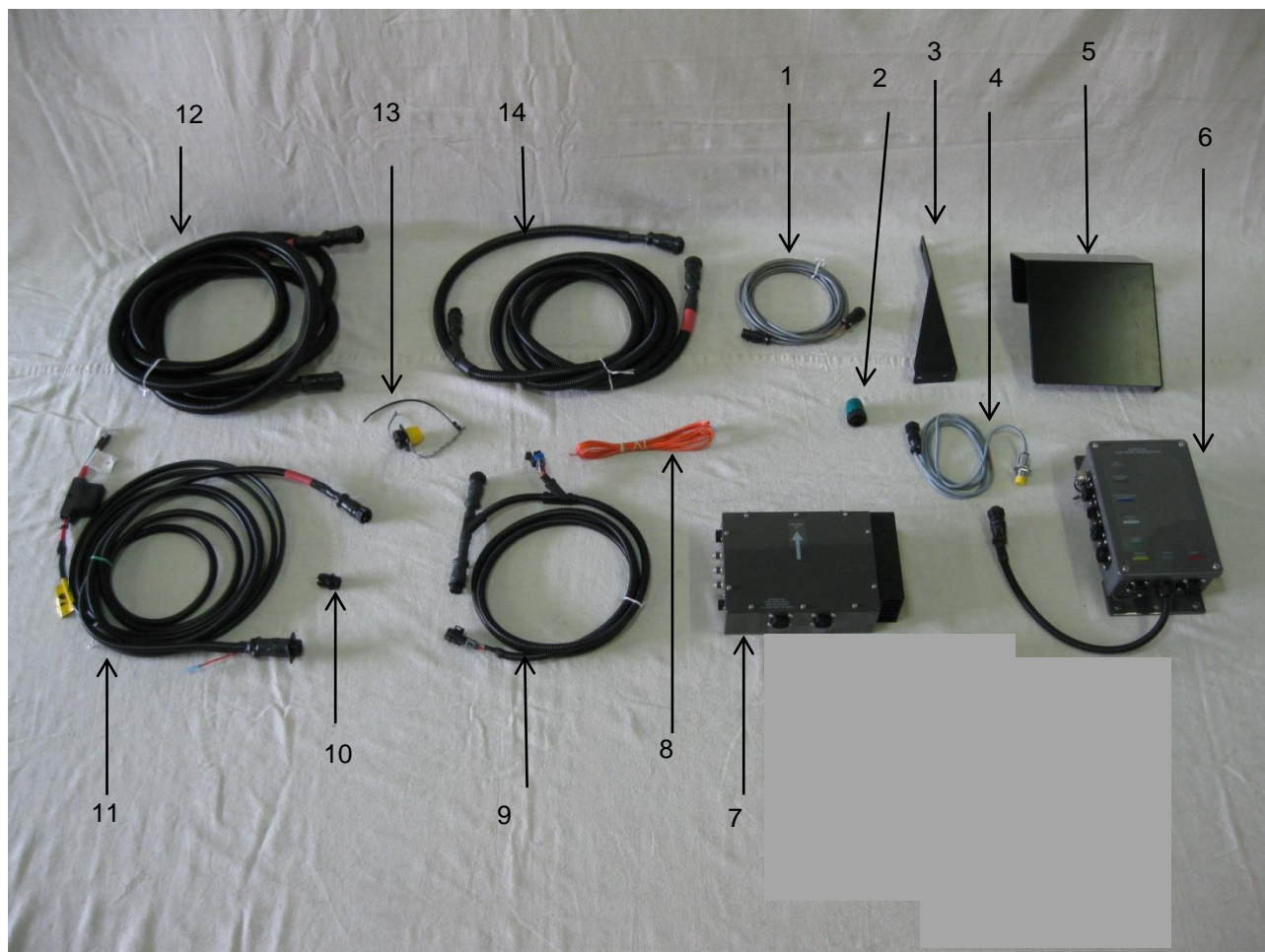
<u>Ref</u>	<u>Description</u>	<u>Part #</u>
1	Touch Screen Display	006-6670
2	Ram Mount	001-2012H
3	Suction Cup Mount	001-2012SCM
	Complete Kit	030-5670A

Optional Bluetooth Receiver



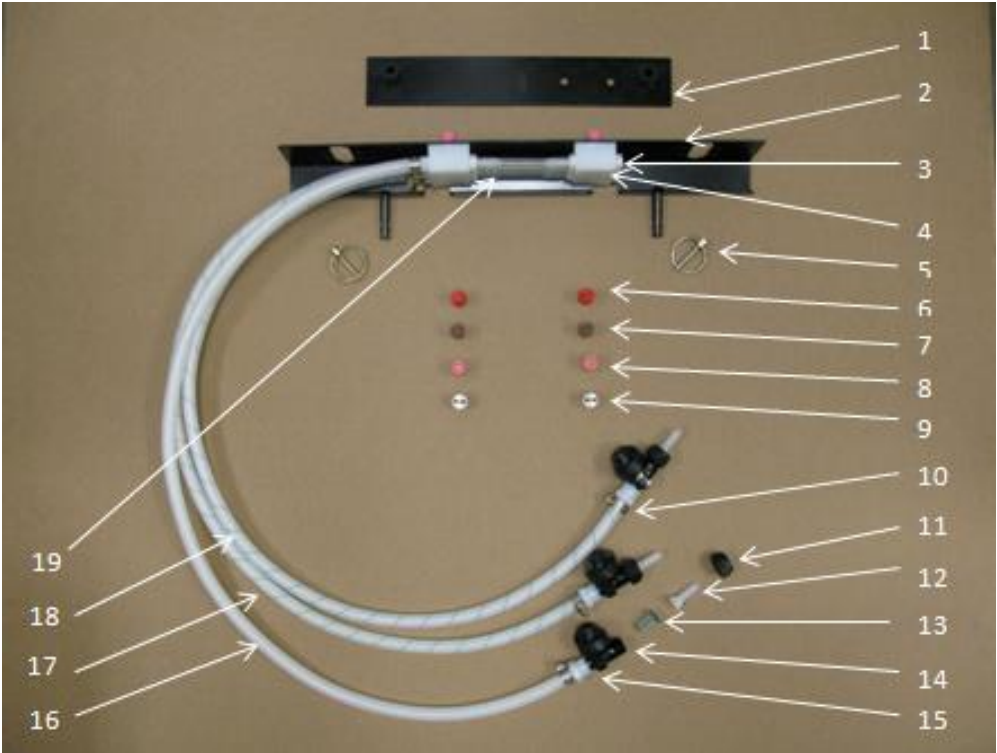
Part #: 030-4672A

Parts Breakdown for 696BB Series Controls and Harnesses Dual Channel Processor (DCP)

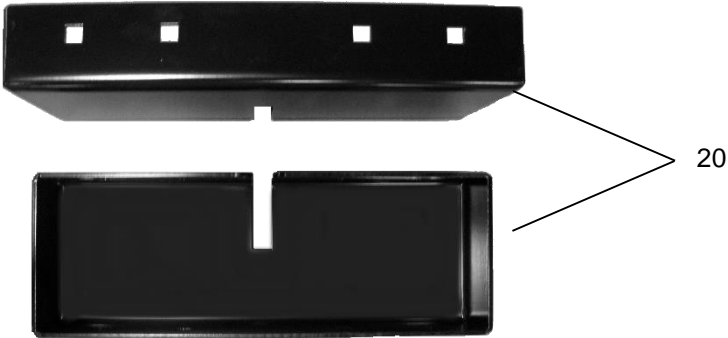


<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>
1	EOB Extension for CNH BB Series	006-7400BBEXT	1
2	Terminating Connector 600 Series	006-5650Z	1
3	End of Bale Sensor Bracket	001-4648	1
4	End of Bale Sensor 600 Series	006-7400	1
5	DCP Shield/Cover	001-5650X	1
6	DCP Main Control LS 600 AUTO	006-6671LS	1
7	Pump Controller	006-5672	1
8	Key Switch Wire	006-5650K	1
9	DCP Baler ISO/VT Harness	006-6650VA	1
10	DCP TSD Terminating Resistor	006-6650Z	1
11	DCP Tractor Harness	006-6650TM	1
12	Modular Power/Comm 20 FT Harness	006-5650F3M	1
13	Dust Plugs	006-5651PLUGS	1
14	DCP Baler Harness 15 FT	006-6650LS	1

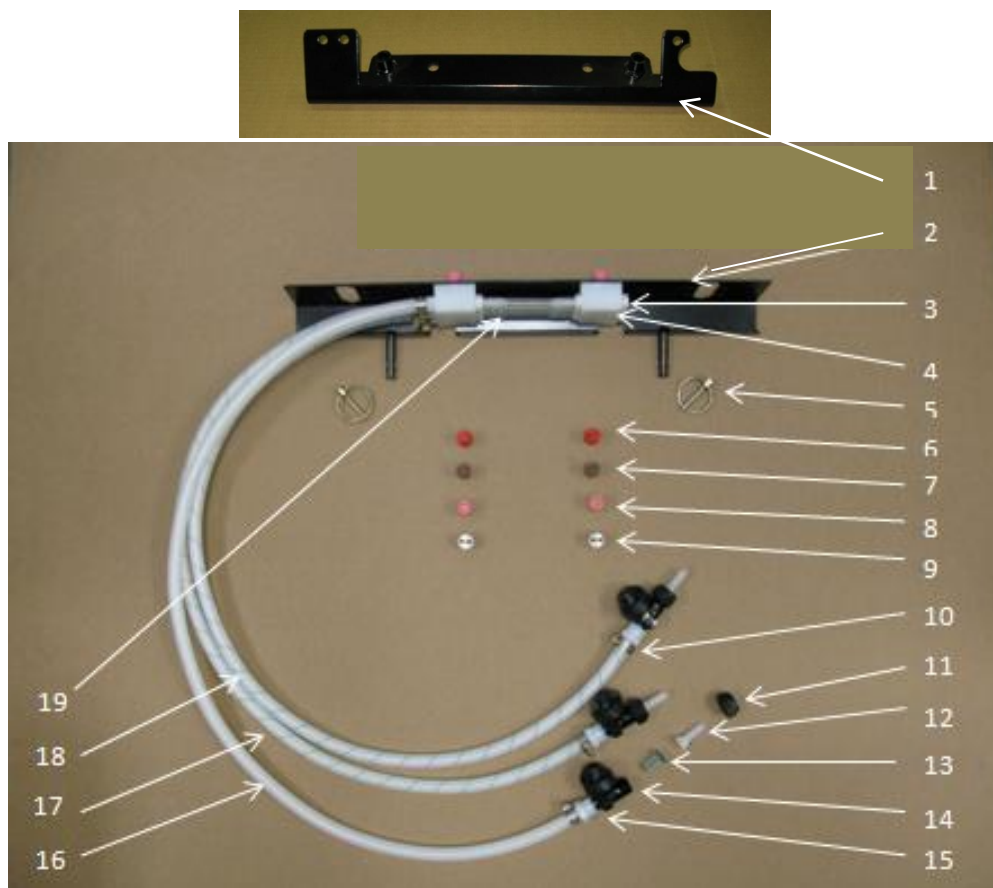
Harvest Tec Model 4532B, 4533B and 4534B Installation Kits **(4534B has longer EVA tubes between Manifold Blocks)**



Ref	Description	Part Number	Qty	Ref	Description	Part Number	Qty
1	Holder	001-4435NCX	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	3 ft
7	Tip-Brown	004-T80015-PT	2	17	Blue Stripe Tubing	002-9016B	3 ft
8	Tip-Pink	004-T8001-PT	2	18	Green Stripe Tubing	002-9016G	3 ft
9	Tip-Stainless	004-T800067-SS	2	19	EVA-1/4"	002-9006	* ft
10	Hose Clamp	003-9002	15		(*330 & LB334 use 1 ft, *340 & LB434 use 3 ft)		
				20	Leg Ext-Short Chamber	001-6707MX	2
					(Included in 4532B Kits Only)		



Harvest Tec Model 4535B and 4536B Installation Kit (4536B has longer EVA tubes between Manifold Blocks)



<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	001-4435NC	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	3 ft
7	Tip-Brown	004-T80015-PT	2	17	Blue Stripe Tubing	002-9016B	3 ft
8	Tip-Pink	004-T8001-PT	2	18	Green Stripe Tubing	002-9016G	3 ft
9	Tip-Stainless	004-T800067-SS	2	19	EVA-1/4"	002-9006	* ft
10	Hose Clamp	003-9002	15				

*330 & LB334 use 1 ft

*340 & LB434 use 3 ft

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. 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.

Revised 01/03/06

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