

Installation Manual

Model 795BBHD

***115 Gallon Preservative Applicator
New Holland & Case IH BB High Density Baler***



*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



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 inoculants onto forage crops.
MODEL: 795BBHD-21-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 Parliament and the Council of 17 May 2006 and other applicable European Directives including Directive 2004/108/EC on the Electromagnetic compatibility.

The application of preservatives for hay Harvest Tec system will be turned on after being installed on a farm press has been declared 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

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Introduction

Thank you for purchasing the 795BBHD 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. As well as the option of operation through an Apple iPad or Android Tablet (not included) using the Precision Baling App. Found in iTunes store or Google Play Stores for free. The 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 795BBHD Hay Preservative Applicator System is designed to apply buffered propionic acid to the forage crop as it is baled. The 795BBHD 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 Breakdown 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.

***Made for iPad® running the current iOS operating system**

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

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

System Requirements



CNH Baler Monitor must have version 4.2.0 or higher



Made for Harvest Tec Display, Baler Integration, or Tablet

For best performance ensure all displays are running the latest operating system.

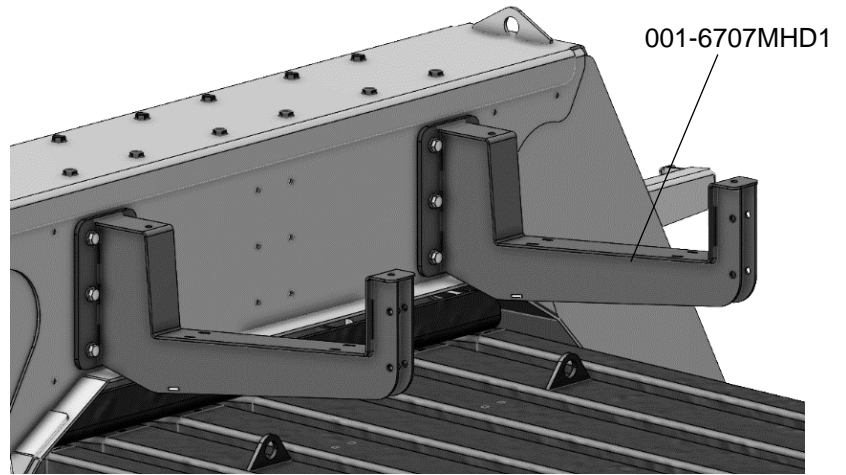
Tools Needed:

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

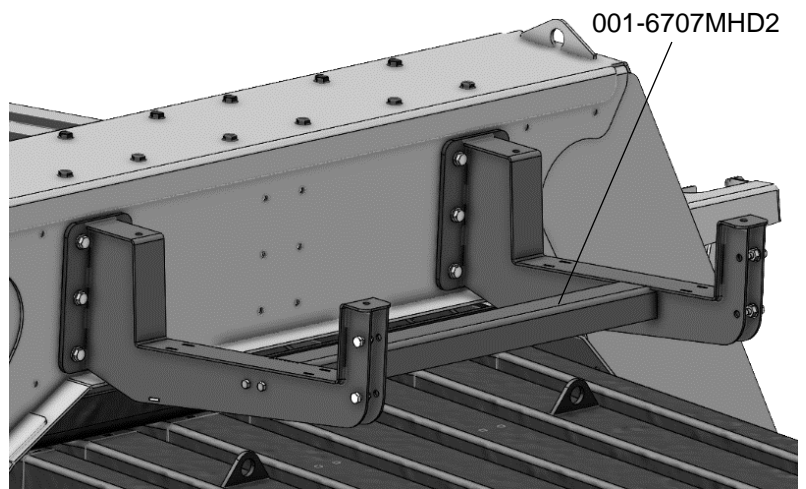
Installation of Applicator

Installation of Tank

1. Install the two saddle legs (001-6707MHD1) on to the rear of the bale support bracket. Locate the pre-drilled holes and hardware from parts bag 20 to mount the legs as shown (right). Do not fully tighten until cross beam is installed in next step.

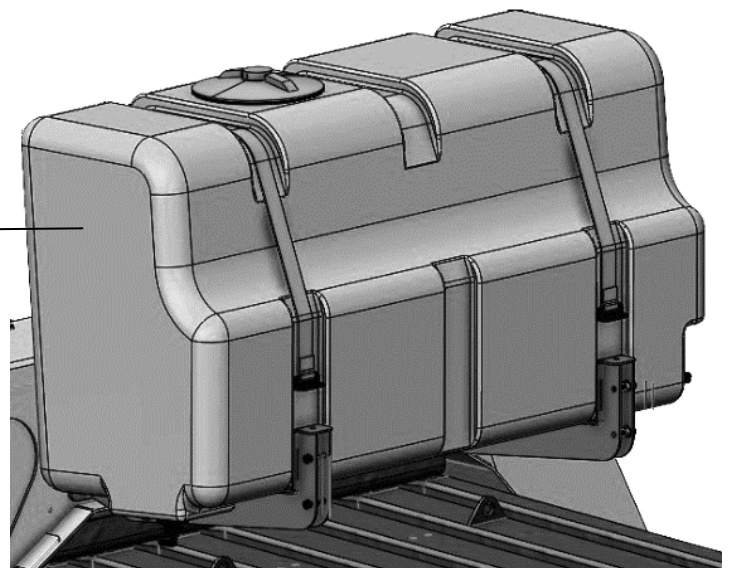


2. Locate the cross beam (001-6707HD2) and mount between the two tank legs (001-6707HD1) using the pre-drilled holes on each leg. Using the hardware in parts bag 20 secure the beam. The tank legs can now be fully tightened.



3. Position the tank assembly (030-9218) and tank straps (001-6707P). *Do not tighten tank straps prior to installing the Rear Light Camera Bracket in the next step.

001-6707PMZ



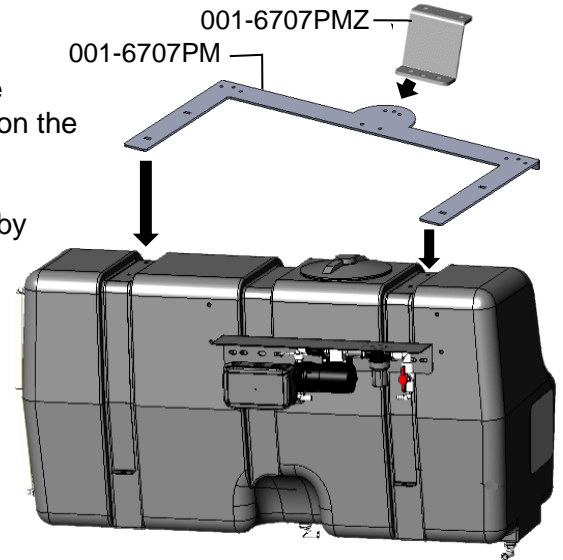
Installation of Tank (continued)

4. Rear Light Camera Brackets Installation

There is now an optional rear light extension bracket available for the NH330+ & NH340+ and LB334XL & 434XL baler models. To reposition the lights, camera, and beacon light to the back of the preservative tank.

Install the camera/light bracket (001-6707PM) as shown on the right by lining up two holes in the arms of the bracket with the holes on the tank straps. Using the supplied elevator bolts install the bolt with the head on the tank side with threads pointing upward.

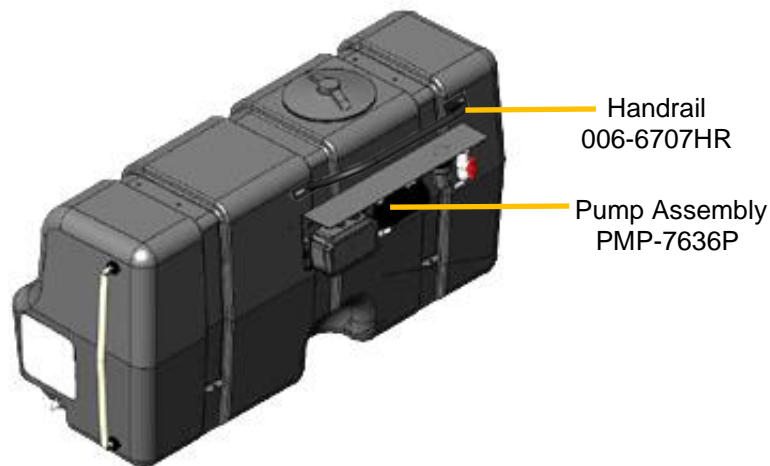
Install the camera mounting brackets (001-6707PMZ) to the camera light bracket as shown on right. Move the lights and camera as needed using the light extension harness (006-7303LTX).



Note:

The straps will need to be loosened to allow room for placement of the bolts. Retighten after bolts are installed.

Installation of Pump Plate and Hand Rail

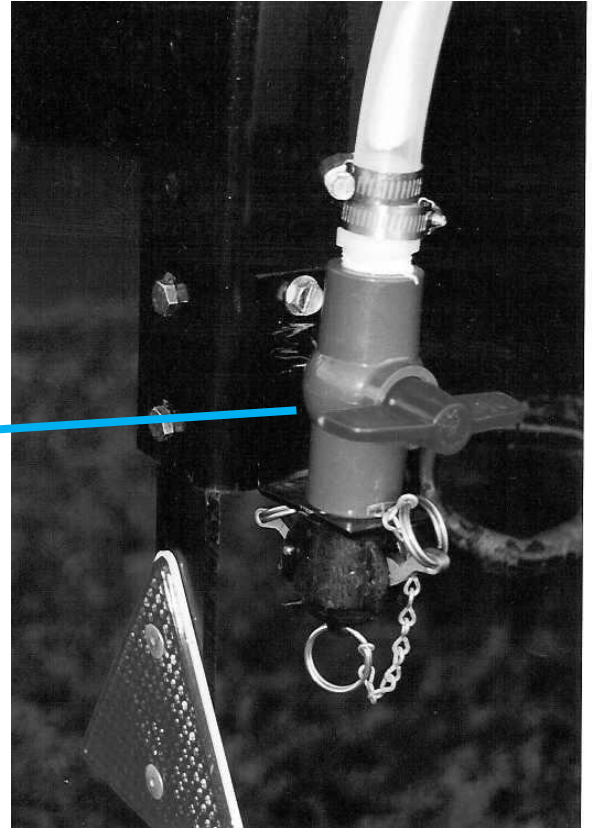


1. Attach handrail (001-6707HR) to tank with two 3/8" x 3/4" flange bolts.
2. Locate pump control (006-7671LS) and attached to pump plate with #10 x 3/4" flat head machine screws. Choose fittings and install them into valve and pump discharge.
3. Attach pump plate holder (001-4648XB) to tank and just below handrail with two 3/8" x 3/4" flange bolts.
4. Attach pump plate to the pump holder with 3/8" hardware.
5. Connect 1/2" hose between elbow fitting on bottom of tank and valve on pump plate. Secure with supplied hose clamps.

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

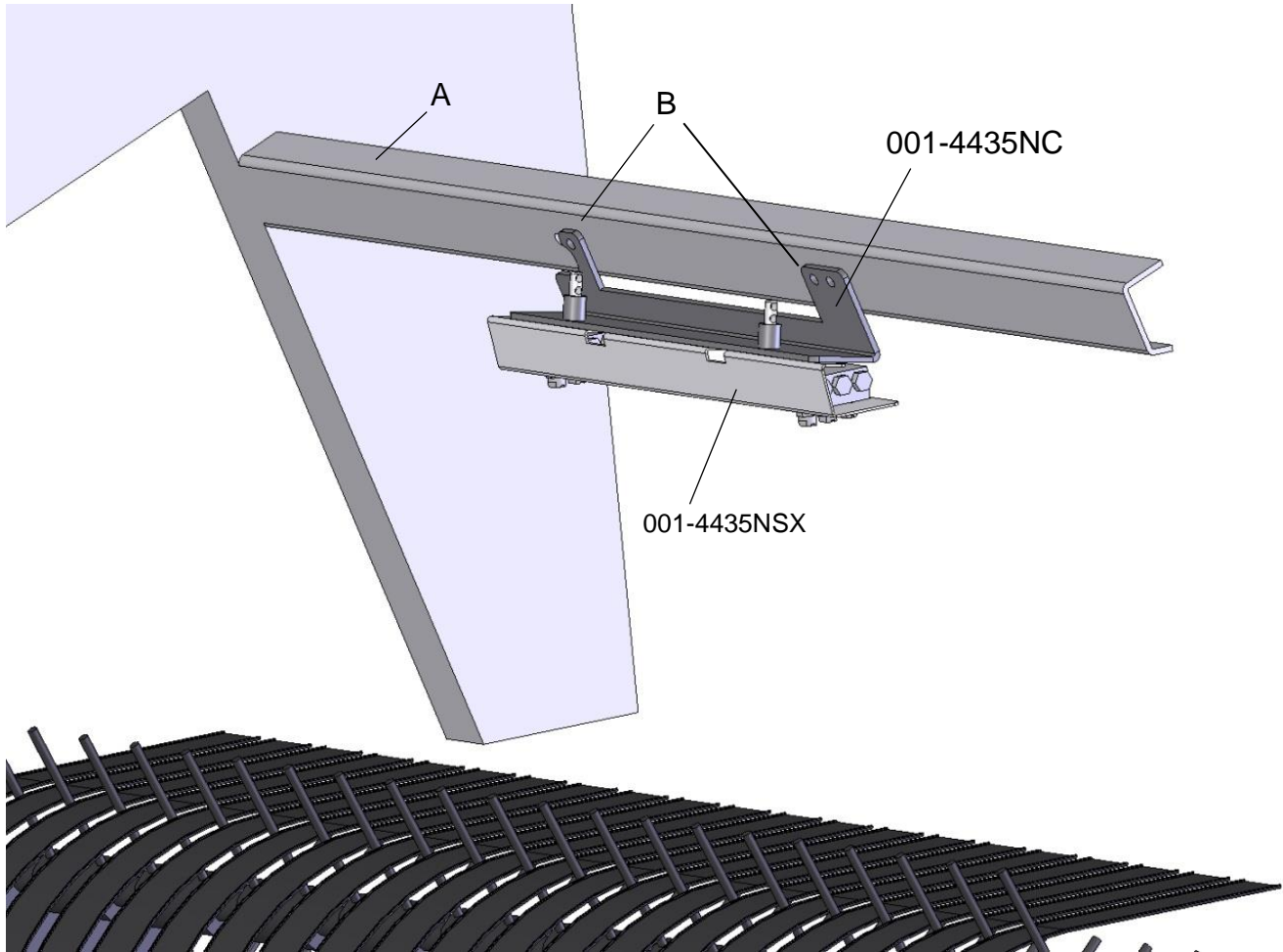
Installation of the Drain & Fill Line

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.
3. Drill 1/4" (7mm) holes to accept the valve holder bracket and use 5/16" x 1" self-tapping screws.
4. Connect valve assembly to other end of hose. Place hose clamps on both ends.
5. Secure hose to frame using cable locks.



Installation of Install Kit 4636C

1. Locate the baler cross member directly above the rotor (below point A).
2. Locate the four pre-drilled holes on the cross member (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.



Wind Guard Installation

3x4 Baler

Step 1: Locate the ledge near the spray shield (1) and with 001-6707MA in hand, mark out drill locations for the two slots of the 6707MA bracket. Bracket should be as centered about the spray shield. If you're confident with drill locations, drill the two holes and move to step 2. Also note the factory drilled holes on the tongue of the baler (2), locate part 001-6707MC and ensure holes align on both sides.

Step 2: Assemble the wind guard (030-6707WG4). Start by locating all the materials listed above. Using the 1"x 1/4" bolts and washers place the guard material (001-6707GM4) on the top bracket. Guard material should now be held in place with only the bolts. Locate part (001-6707MB) and place over protruding bolts, secure with flat washers and nuts. Note: Ensure the rubber guard material is placed on the top side of the of the 6707MA bracket.

Step 3: Again, using the same hardware from step 2 fasten the guard material to the bottom bracket (001-6707MC) utilizing the remaining 001-6707MB backing bracket to clamp down the material.

Step 4: Bring assembled wind guard to the baler, it is recommended that you get another person to assist here. Start by securing the top bracket to the ledge where holes were previously drilled. Secure with 5/16 x 1" hardware. Now locate the 5/16 x 1.5" bolts. Use the bolts, flat washers, and nuts to secure the bottom bracket to the baler factory drilled holes. Refer to finished install side view shown on the right.

Note: If installed correctly, the wind guard should not make contact with the fly wheel or center feed roll when the pick-up head is fully lifted.



Mounting Solenoids and Hose Routing to Spray Shield



- A. Once spray shield is mounted, ensure solenoids 002-2203F are mounted using the solenoid mount plate 001-4648DSH as closely as possible (max distance 3ft) to the spray shield. This will ensure the most precise application of the preservative.



Solenoids
002-2203F



Solenoid Mount
001-4648DSH



Solenoid Harness
006-3650-S1

- B. Once solenoids are mounted, streamline solenoid harness 006-3650-S1 along baler back to connection on main baler harness 006-765B2. Solenoid with white dot attaches to SOL 1 and Solenoid with blue dot attaches to SOL 2. Connect harnesses and ensure they are secure.
- C. Route hoses along the path or similar inside of the baler, as shown in picture above. Keep hoses away from moving parts and hydraulic hoses. When all connections are made to the tank, solenoids, and spray shield secure with existing cable clamps or use cable ties.
- D. Connect hoses from spray shield to solenoids. Note: Make sure solenoid with white dot attaches to spray shield with white dot. Follow same procedure for blue dots.

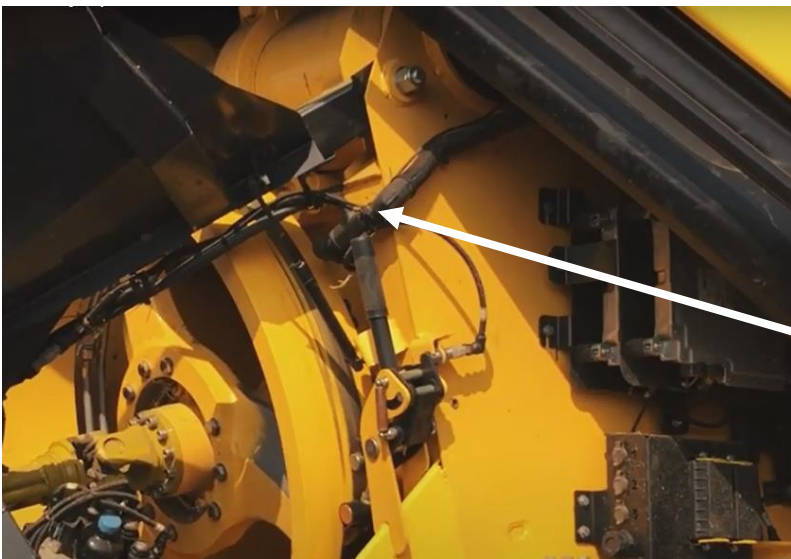
Tip Connections

Dot color	Tip	Hose color	Position on 765B2 wire
White Dot	8004 or 11004	White	Sol 1
Blue Dot	8008 or 11008	Blue tracer	Sol 2

Installation and Routing Wire Harnesses and Baler Interface Harness



Route harnesses along inside of the baler (left). 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.



Locate and remove the Active Terminator of baler (below). Attach Baler Interface Harness (006-6650VA) to that location on baler.

Reconnect Active Terminator to open port of that same harness (006-6650VA)



Installation of Star Wheel Moisture Sensors – 700BBHD

001-4644BBHD

1. Locate the two star wheel moisture sensors (030-4642U and 030-4642UE) and star wheel reinforcement brackets (001-4644BBHD) show on the right and parts bag (E)
2. The two pre-drilled mounting holes for the star wheels are located past the knotters on the side of the top support bar running the length of the bale chute (Figure 1).
3. Position the star wheel mounting holes and mark the width of the star wheel 4" (112mm). As well as the depth of the star wheel of 2" (50mm). This piece will need to be removed from the baler bracket in order for star wheel to fit flush with baler bracket (Figure 2). After cutting touch up with paint to prevent rusting.
4. Mount star wheel with two position plug on right side of baler when looking at the back. Mount star wheel with six position plug to left side or ladder side of baler. Use hardware from parts bag (E) to mount
5. Position reinforcement brackets (001-4644BHD) around the star wheel. Shown mounted in Figure 3. Repeat mounting the star wheel and installation of the reinforcement bracket on the right side of baler. Used supplied 3/8" x 3/4" Carriage bolts and flange nuts to secure
6. Attach harness (006-7307EM2) wires to star wheels and route to (IPM) module and connect to the square plug on it.

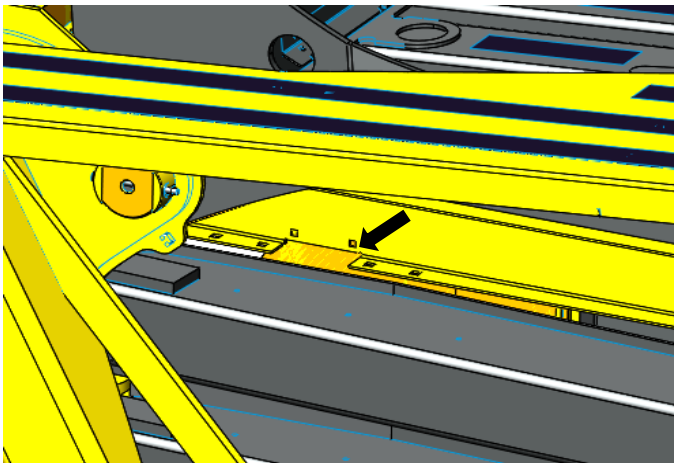
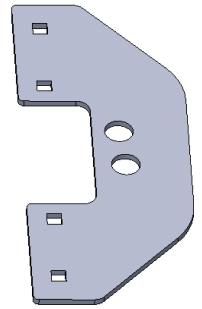


Figure 1

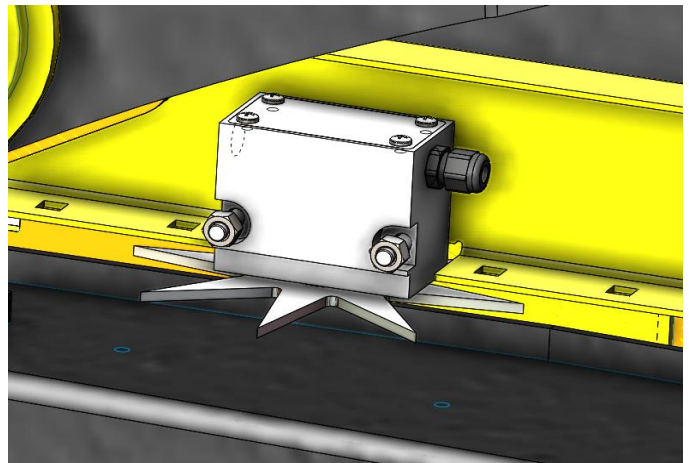


Figure 2

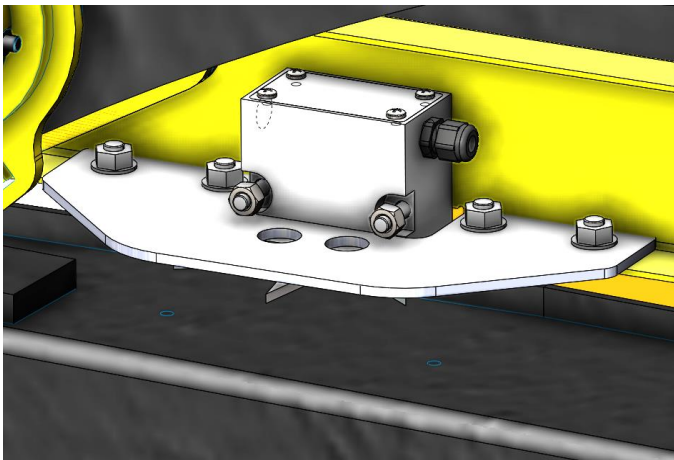
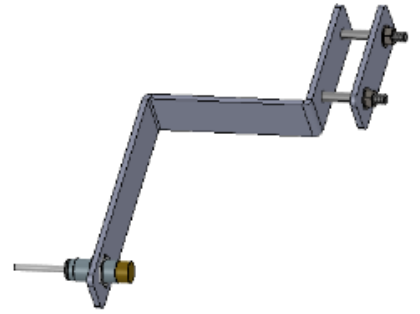


Figure 3

Installation of End of Bale Sensor

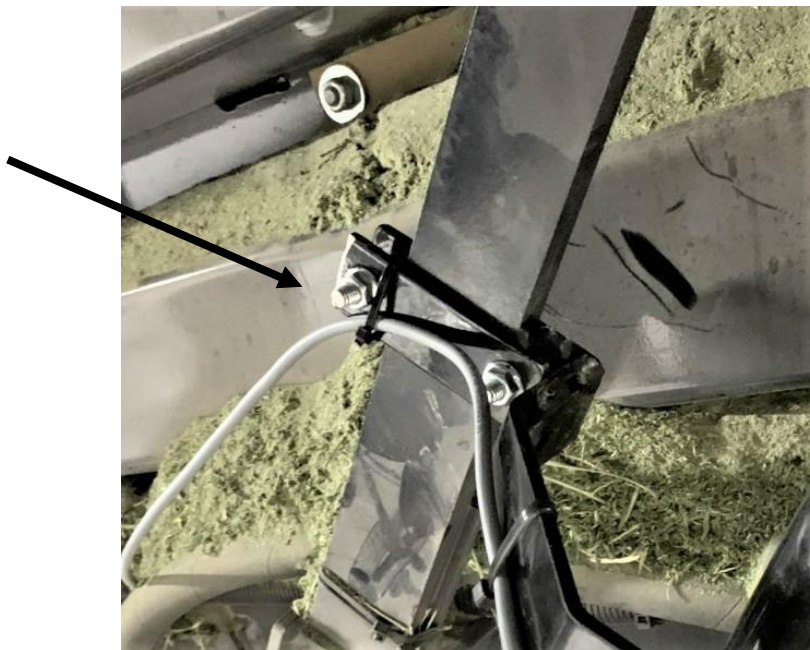
The end of bale sensor determines the position of the needles on the baler. When the needles cycle the sensor communicates this information to the ISO Communication Module (ICM). This information is used for job records and will be used by the optional Bale Identification system.



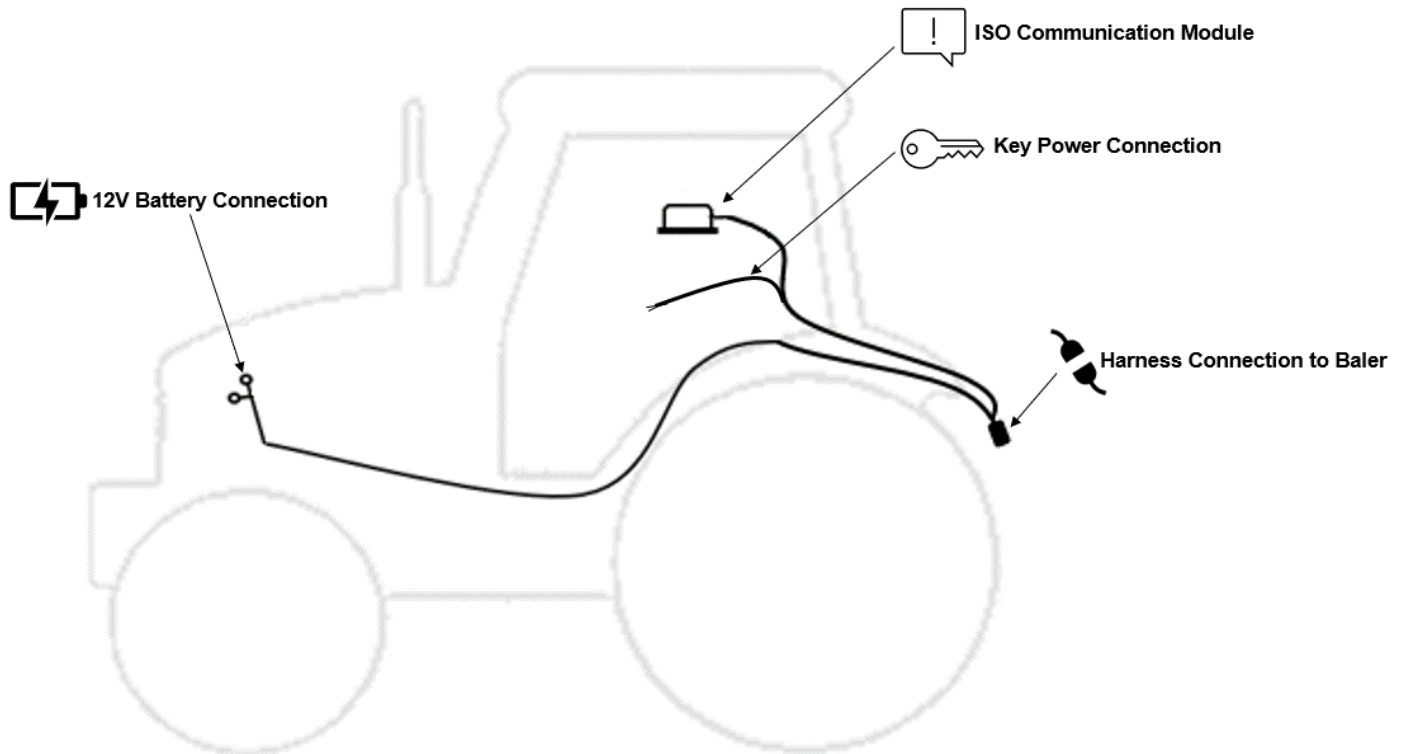
Mount the end of bale sensor bracket (001-4648NA and 001-4648NB) as shown on the back right of the baler (opposite of the ladder). This bracket will clamp to the diagonal support using the backing plate and supplied hardware (5/16" x 1 1/2" hex bolt with flat washer, lock washer, and nut). There is no exact placement, the sensor just needs to see the needle arm when in the home position. Adjust sensor in or out so that it is about 1/4" away from the needle arm and tighten both nuts. Be sure it is not making contact, causing damage, or not too far away from the needle arm, preventing it from reading.



Run the sensor cable (006-7401) and extension (006-7401BBEXT) up to main harness (006-765B2) and attach to EOB plug.



Tractor Setup



The general tractor setup of the 700 Series applicator can be seen above. The main harness of interest is the tractor power/communication harness (006-7651C). This harness will connect at the tractor battery, to the ISO Communication Module (ICM) mounted in the cab, a keyed power connection point, and connect at the hitch area to the baler power/communication harness (006-765B2). View below to see highlighted installation instruction:



12V Battery Connection

The 12V battery connection must be at the tractor battery. Connection to alternative locations such as an accessory port can cause problems with applicator system.

MUST BE CONNECTED DIRECT TO TRACTOR BATTERY TERMINALS



ISO Communication Module

The ISO communication module is to be mounted inside the cab. Other mounting locations can lead to issues with weathering and operation. Once installed and the system is powered, a green light will turn on with the ICM module.



Key Power Connection

Ensure a solid keyed connection is found inside the cab and wired into. Poor keyed power connection can result in applicator system issues.



Harness Connection to Baler

The tractor harness connects at the hitch to baler power/communication harness (006-765B2). This will allow the system components to communicate with one another. Ensure connections are debris and corrosion free.

Display Options

Optional Harvest Tec Display



The 700 series Harvest Tec Display will allow you to set your real time baling parameters to ensure the most precise application to every bale. This is done by utilizing the improved touch technology to select objects, enter data, and swipe through operational screens.

The Harvest Tec Display offers easy integration by connecting to the additional CAN plug on the 006-765IC harness. Once, connected the Harvest Tec display will power up with applicator system.

Note: The Harvest Tec Display must be used as a standalone display, the baler cannot run both integrated and on the Harvest Tec Display. Must be one or the other. Removal of the 006-765VA or integration harness is required when equipped.

Optional Tablet Display



The iOS or Android Tablet displays offer the ability to communicate with the 700 series applicator system via hard-wired connection to the ISO Communication Module (ICM). Through the free Precision Baling App, the operator can set real time baling parameters to ensure the most precise application to every bale. This provides a multi-use option while utilizing the improved app to select objects, enter data, and easily switch through operational screens. The Tablet Display offers easy integration by connecting a charging cable to the USB port on the ICM module. Once connected the Harvest Tec applicator will display upon opening the app and powering up the applicator system. Tablets can be used in addition to integrated baler VT display.

***Made for iPad®**

Required to be running the most current operating system or one version previous.

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

Optional Baler VT Integration



The 700 series integration to the Baler VT allows for the ability to set your real time baling through the baler VT and monitor both baler settings and Harvest Tec system parameters on one screen to ensure the most precise application to every bale.

The 700 series offers easy integration by connecting to the additional CAN plug on the 006-765B2 harness. Once connected the Harvest Tec system will display with power up of the baler and applicator system.

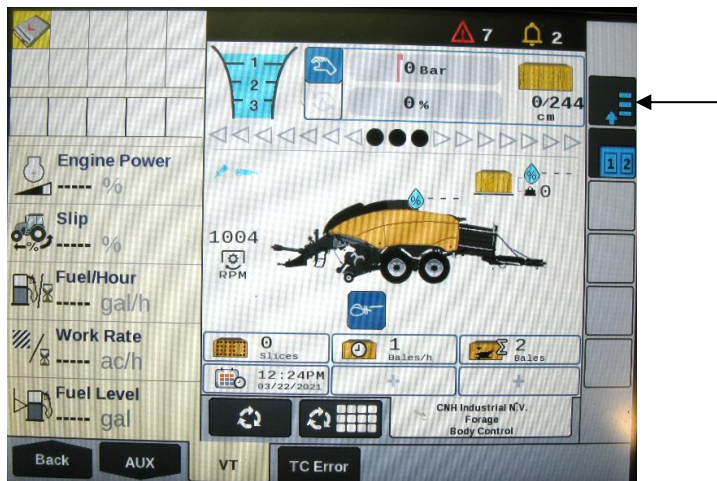
Baler Display Integration

The ISOBUS Monitor utilizes touch screen options to make selections. Selections are made by finding the desired selection and pressing the touch screen icon. All buttons are labeled and color coded.

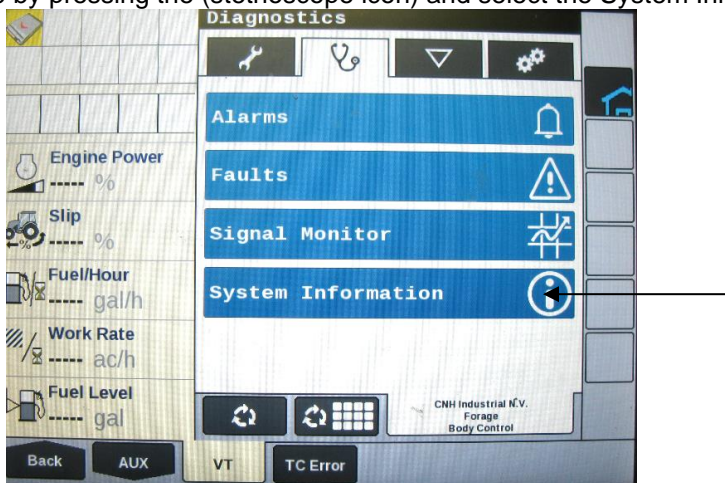


Follow the steps below to setup the integration of the 700 Series into the Pro 1200 Series Monitor.

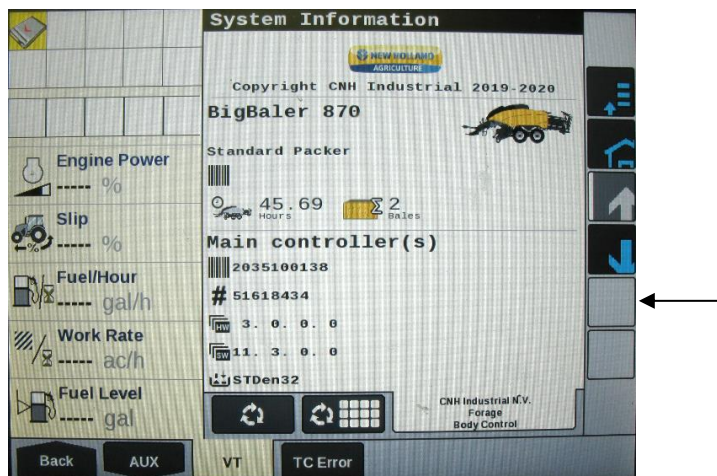
1. Select the baler Setup tab in the top right corner of the baler run screen.



2. Open the Diagnostics tab by pressing the (stethoscope icon) and select the System Information tab.

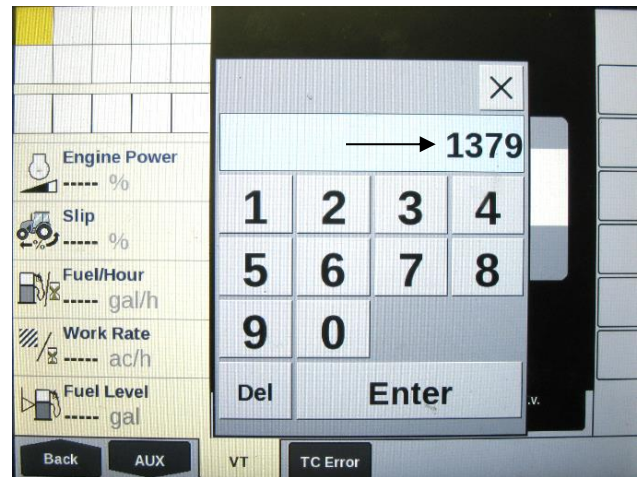
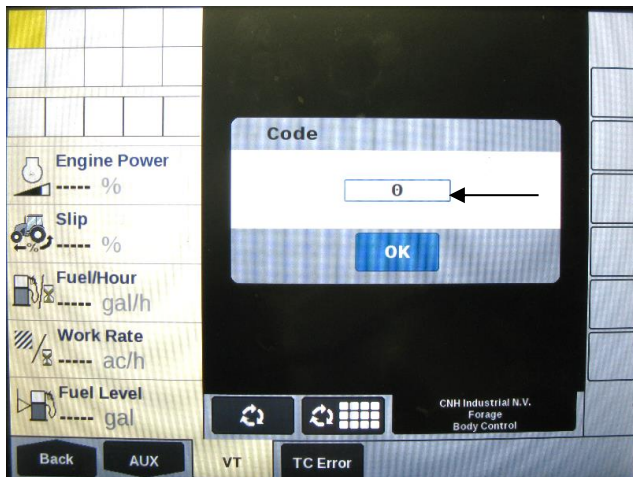


3. On the System Information page press and hold the first blank square box under the down arrow on the right side of the screen for 10 Seconds.

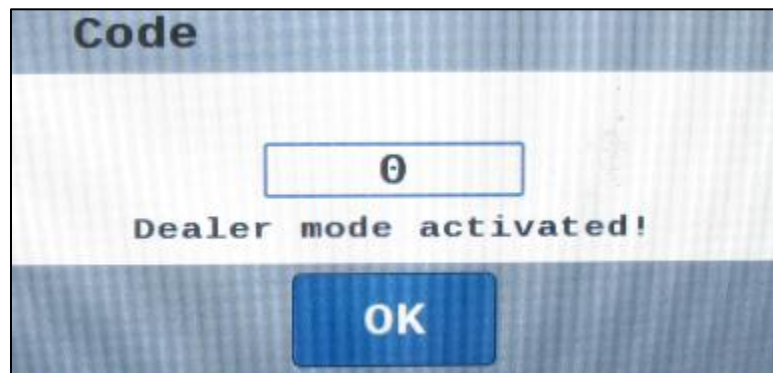


700BBHD Integration Instructions (continued)

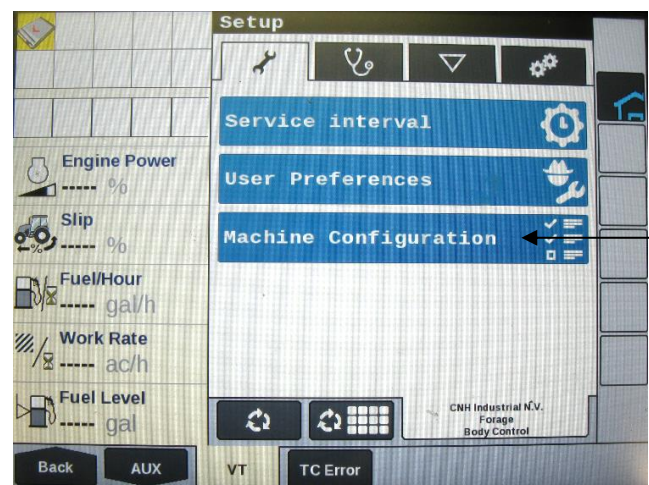
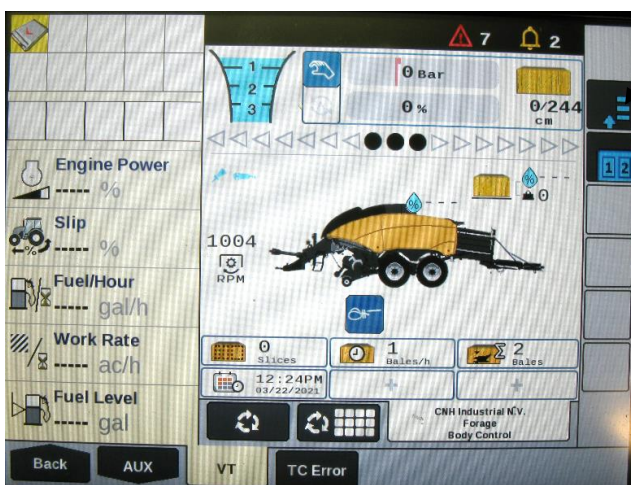
- After 10 seconds the first screen below will appear prompting you for a code. Press the '0' and enter the Code 1379 when the numbers appear.



The screen below will appear alerting you 'Dealer Mode Activated'. Press OK and go back to the balers home screen.

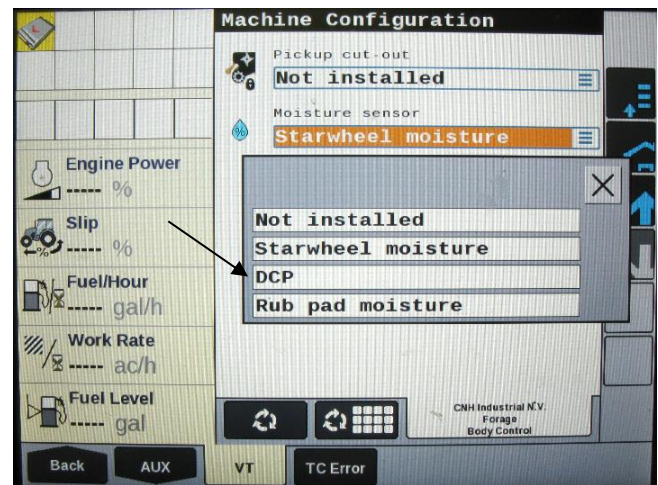
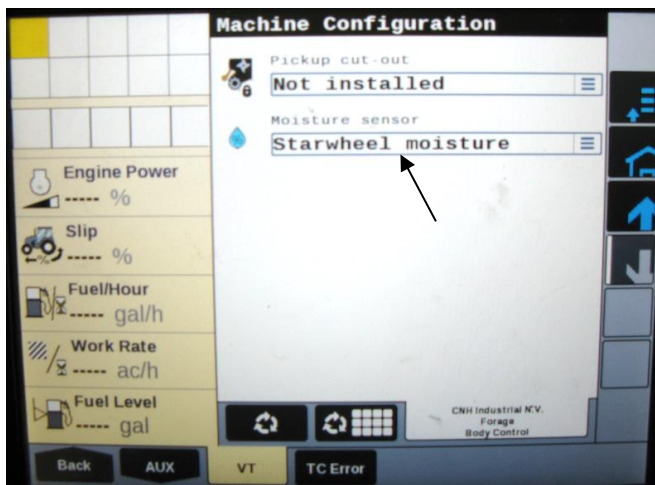


- Select the baler Setup tab in the top right corner of the baler run screen. Then press Machine Configuration from the baler setup page (wrench icon at top).

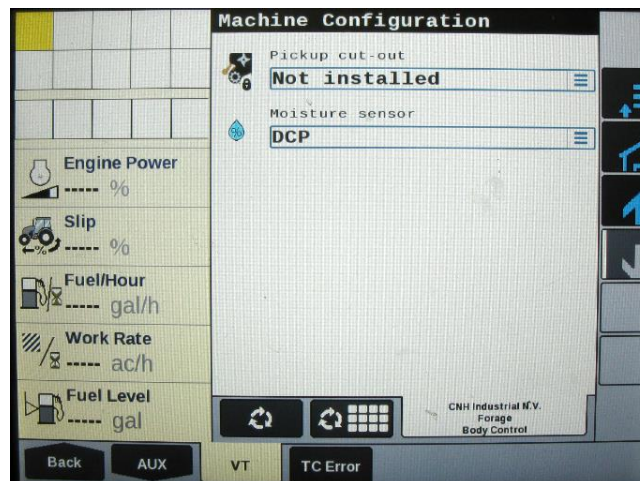


700BBHD Integration Instructions (continued)

- Select the Moisture Sensor line on the Machine Configuration screen. On the next screen that appears select DCP from the drop down



The moisture sensor selection will now read DCP on the Machine Configuration page.



The current bale moisture content will now display above the baler next to the water droplet and the previous bale moisture will display next to the bale in above the are above the bale chute (below).

Previous Bale Moisture

Current Bale Moisture

Use the (+) signs to add any other Harvest Tec Options that you would like to have show on your baler run screen.

Refer to the operation manual for the 700 Series Large Square Baler Models to view the operation details.

Wiring Diagram – 700 Series

1. Connect the power harness (006-7651C) to the tractor 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!

CONTACT HARVEST TEC BEFORE MODIFICATIONS.

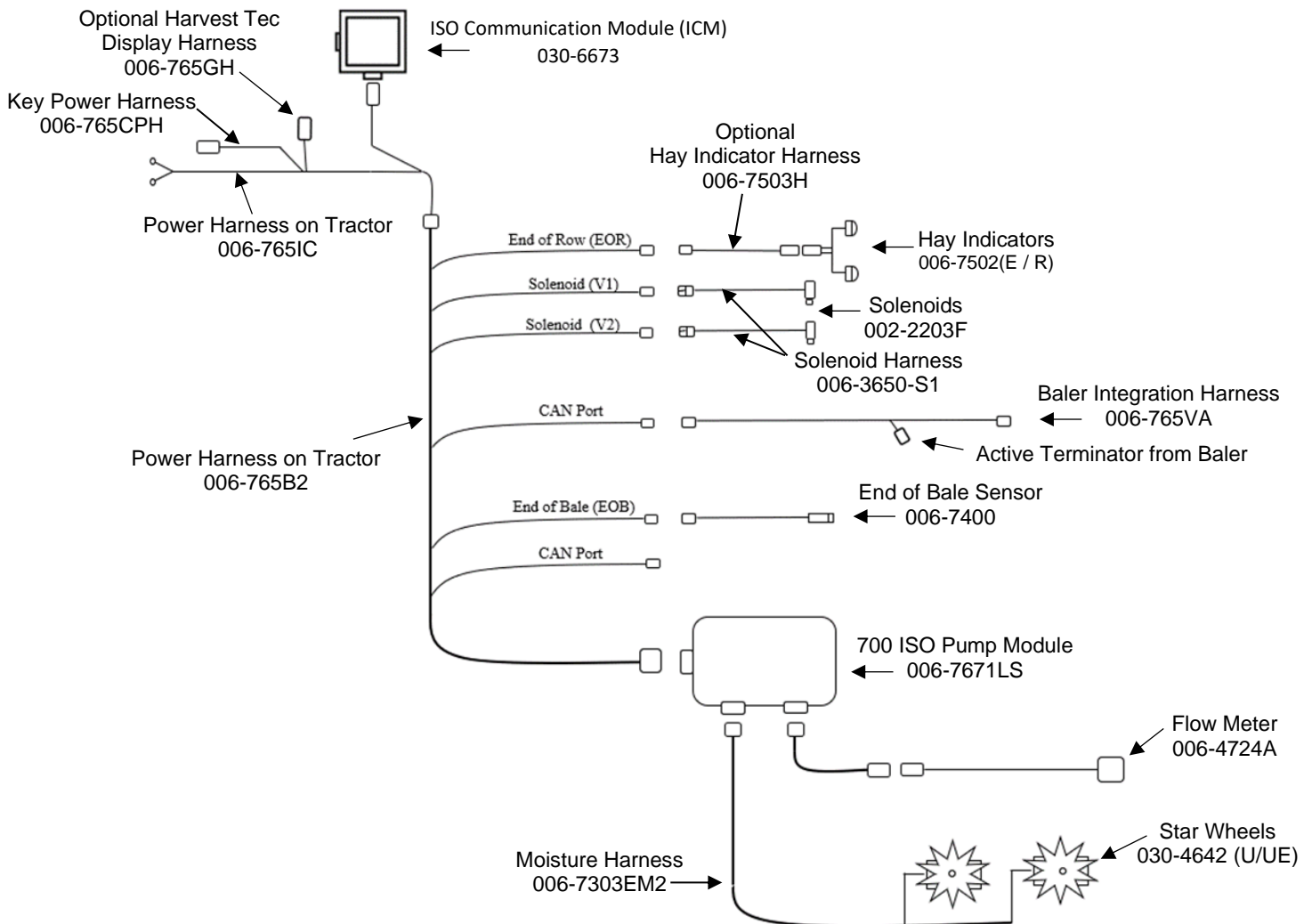
The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty

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.

2. The power harness on the tractor (006-7651C) will run from the tractor battery to the hitch. The power harness on the baler (006-765B2) will connect to the tractor power harness (006-7651C) at the hitch.
3. Connect the keyed power wire (006-765CPH) to a keyed power source on the tractor.
The keyed power wire must connect to a keyed source or the unit will not power up correctly.
4. Attached the ISO Communication Module (006-7671) to the tractor power harness (006-7651C).
5. Attach the End of Bale (EOB) connection on baler harness (006-765B2) to the EOB Sensor (006-7400).
6. Attach the Flowmeter (006-4724A) to ISO Pump Module connection on pump plate assembly.
7. Attach the rubber molded connector on pump plate to the Pump (007-4120DE).
8. Attach star wheel (030-4642 U/UE) connection to ISO Pump Module on pump plate assembly.

System Wiring Diagram

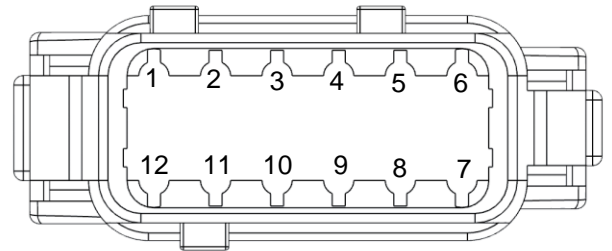


Pin Outs

Integrated Control Module (ICM) on harness 006-765IC

(Deutsch Plug Number: DTM06-12SA)

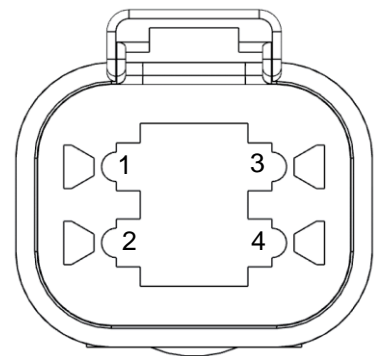
Pin 1	Red	+12V from ECU
Pin 2	Purple	Signal Wire
Pin 3	Red/White	+12V CAN X
Pin 4	Black/White	Ground CAN X
Pin 5	Orange	CAN X Hi
Pin 6	Blue	CAN X Lo
Pin 7	Green	ISO CAN Lo
Pin 8	Yellow	ISO CAN Hi
Pin 9	White	GPS Extension 1
Pin 10	Gray	GPS Extension 2
Pin 11	Brown	GPS Extension 3
Pin 12	Black	Ground from ECU



ISOBUS Plug on harness 006-765IC

(Deutsch Plug Number: DT04-4P)

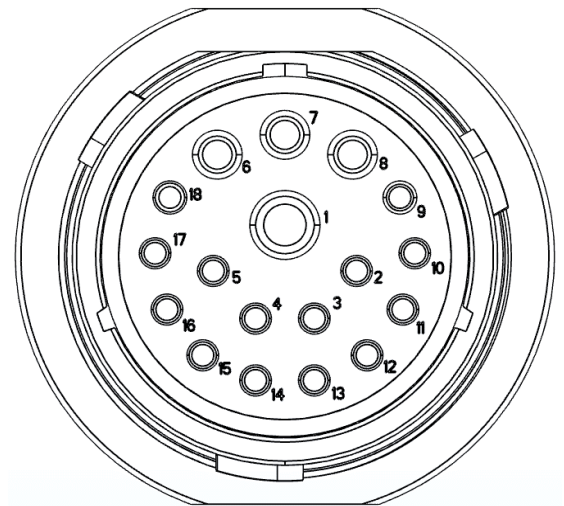
Pin 1	Red	+12V from ECU
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Black	Ground from ECU



Power / Communication Harness 006-765IC at Baler Hitch

(Deutsch Plug Number: HDP24-24-18PN)

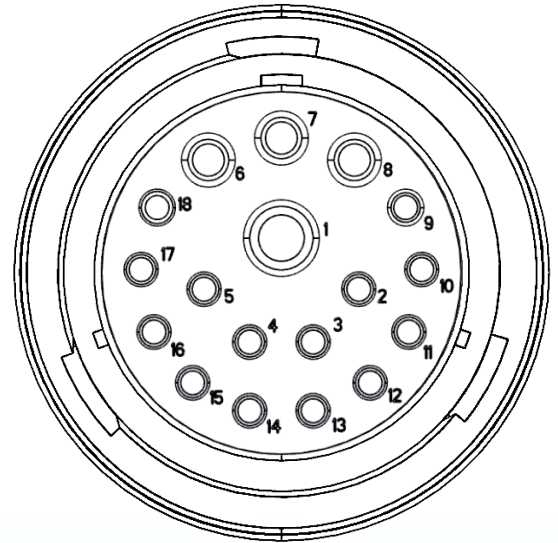
Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Purple	Signal Wire
Pin 11	Red/White	+12V CAN X
Pin 12	Black/White	Ground CAN X
Pin 13	Orange	CAN X Hi
Pin 14	Blue	CAN X Lo
Pin 15	White	GPS Extension 1
Pin 16	Gray	GPS Extension 2
Pin 17	Brown	GPS Extension 3
Pin 18	Not Used	----



Power / Communication Harness 006-765B2 at Baler Hitch IPM

(Deutsch Plug Number: HDP26-24-18SN)

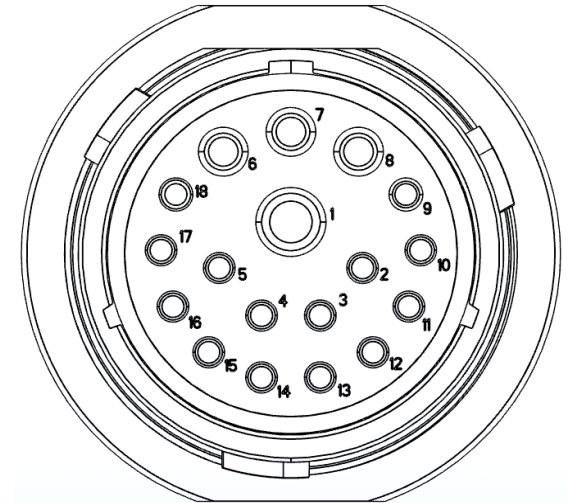
Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Not Used	----
Pin 11	Not Used	----
Pin 12	Not Used	----
Pin 13	Not Used	----
Pin 14	Not Used	----
Pin 15	Not Used	----
Pin 16	Not Used	----
Pin 17	Not Used	----
Pin 18	Not Used	----



Power / Communication Harness 006-765B2 at IPM Module

(Deutsch Plug Number: HDP24-24-18SN)

Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Orange/White	+12V Power to EOR
Pin 11	Orange/Black	Ground to EOR
Pin 12	Purple/Green	EOR Signal
Pin 13	Blue/White	EOB Signal
Pin 14	Gray/Red	+12V Power to Solenoid 1
Pin 15	White/Black	Ground to Solenoid 1
Pin 16	Orange/Red	+12V Power to Solenoid 2
Pin 17	White/Black	Ground to Solenoid 2
Pin 18	Not Used	----



Solenoid 1 Plug on Baler Harness 006-765B2

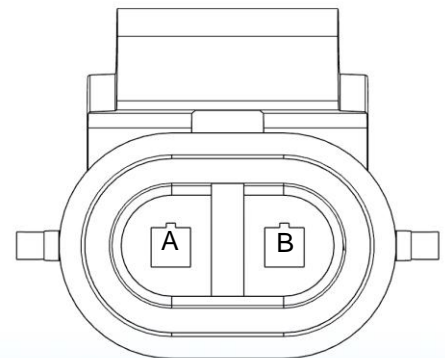
(Deutsch Plug Number: APTIV 12052641)

Pin B	Gray/Red	+12V to Solenoid 1
Pin A	White/Black	Ground to Solenoid 1

Solenoid 2 Plug on Baler Harness 006-765B2

(Deutsch Plug Number: APTIV 12052641)

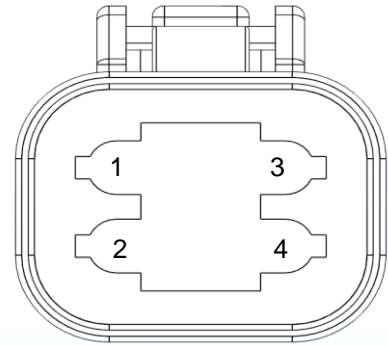
Pin B	Orange/Red	+12V to Solenoid 2
Pin A	White/Black	Ground to Solenoid 2



CAN / IDM on Baler Harness 006-765B2

(Deutsch Plug Number: DT06-4S)

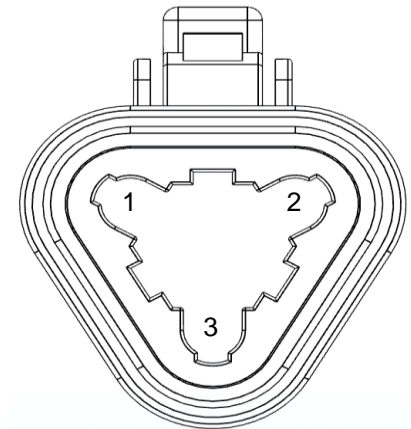
Pin 1	Red	+12V to ECU
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Black	Ground to ECU



End of Bale Sensor Plug on Baler Harness 006-765B2

(Deutsch Plug Number: DT06-3S)

Pin 1	Orange/White	+12V to End of Bale Sensors
Pin 2	Orange/Black	Ground to End of Bale Sensors
Pin 3	Blue/White	Signal



End of Row Sensors Plug on Baler Harness 006-765B2

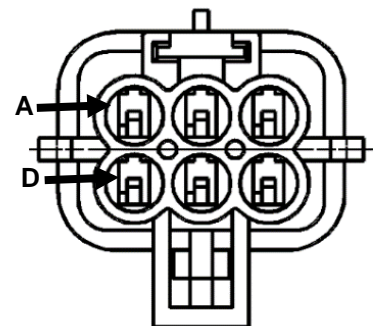
(Deutsch Plug Number: DT06-3S)

Pin 1	Orange/White	+12V to End of Bale Sensors
Pin 2	Orange/Black	Ground to End of Bale Sensors
Pin 3	Blue/White	Signal

Integration Harness Plug on Baler Harness 006-765VA

(Plug: APTIV 12052848)

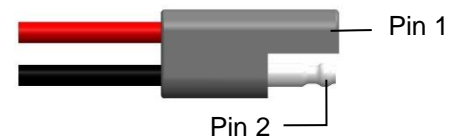
Pin A	Not Used	----
Pin B	Red	TBC Power
Pin C	Not Used	----
Pin D	Gray	TBC Ground
Pin E	Orange	CAN Hi
Pin F	Blue	CAN Lo



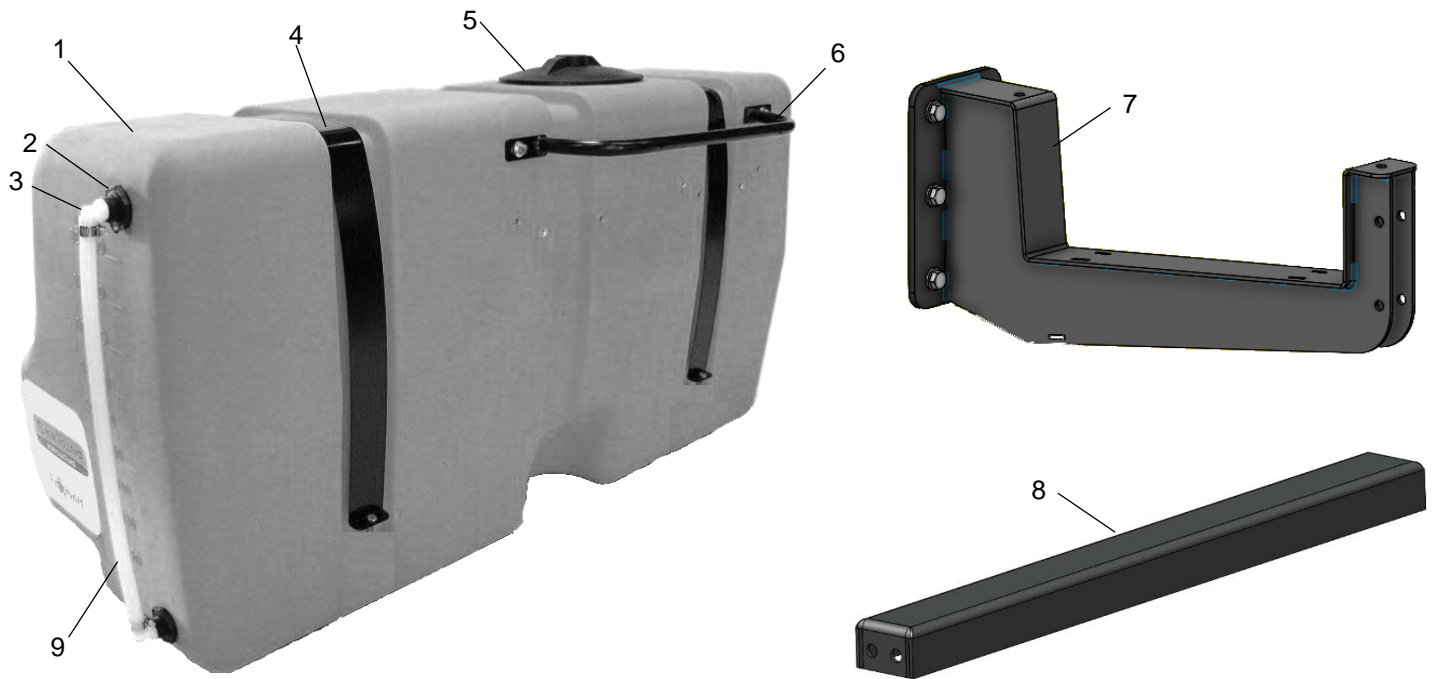
Pump Connection on 700 Controller Harness

(16 AWG Two-Wire Plug)

Pin 1	Red	Power to Pump
Pin 2	Black	Ground to Pump

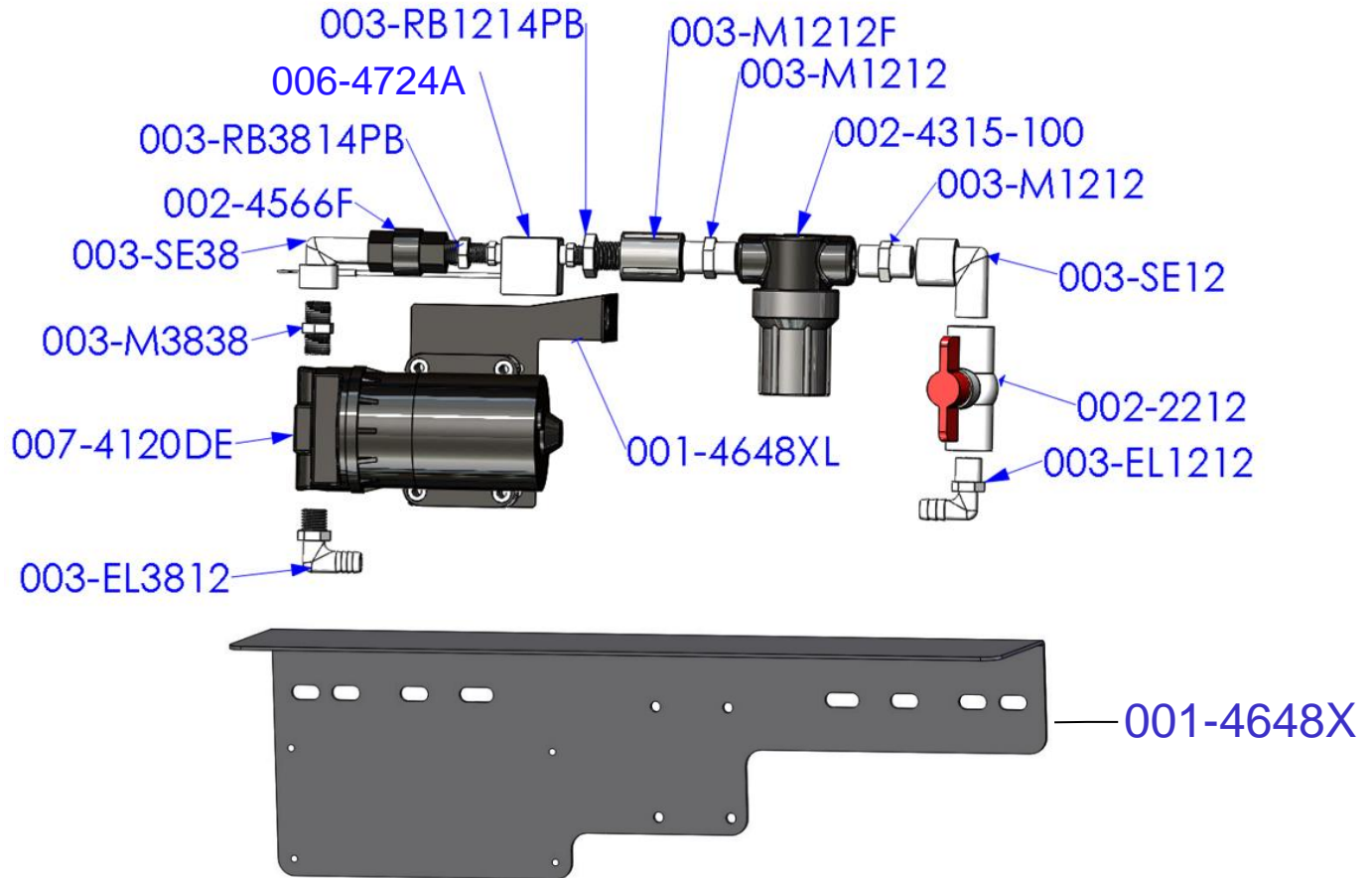


Parts Breakdown Tank and Saddle Legs



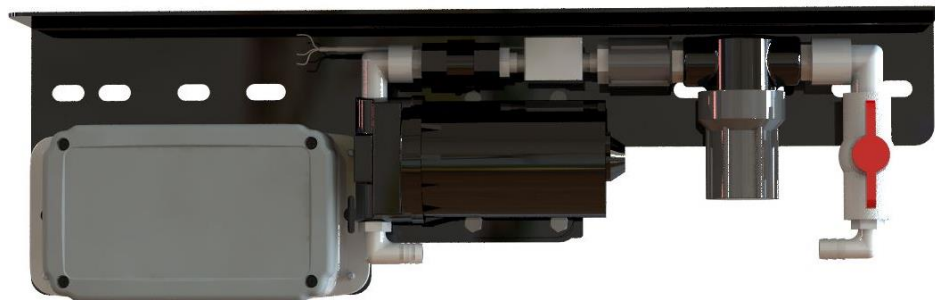
<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>
1	Tank	005-9218	1	7	Tank Leg Mount	001-6707MHD1	2
2	1/2" tank fitting	005-9104	2	8	Cross Beam	001-6707MHD2	1
3	Elbow	003-EL1212	2	9	1/2" hose	002-9001	2
4	Tank straps	001-6707P	2	NP	Elbow	003-EL3434	1
5	Tank lid	005-9022H	1	NP	Elbow	003-EL3412	1
6	Handrail	001-6707HR	1	NP	3/4" tank fitting	005-9100	2

Parts Breakdown for Pump Assembly



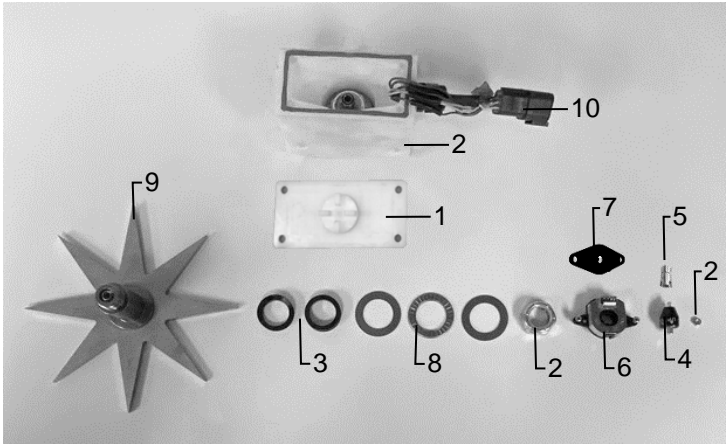
<u>Part#</u>	<u>Description</u>	<u>Qty</u>	<u>Part#</u>	<u>Description</u>	<u>Qty</u>
003-EL3812	3/8" MPT X 1/2"HB Elbow	1	003-M1212	1/2" Union	2
007-4120DE	300 Series Pump	1	002-4315-100	1/2" Line Strainer-100 Mesh	1
003-M3838	3/8" x 3/8" Union	1	003-SE12	1/2" Street Elbow	1
003-SE38	3/8" Street Elbow	1	002-2212	1/2" Ball Valve	1
002-4566F	3/8" Check Valve	1	003-EL1212	1/2" MPT x 1/2"HB	1
003-RB3814PB	RB 3/8" x 1/4" Reducer	1	001-4648XL	300 Pump Support	1
006-4728R	Flow Meter – Block Style	1	001-4648X	Pump Plate Mount	1
003-RB1214PB	RB 1/2" x 1/4" Reducer	1	003-A1212	Not Pictured	1
003-M1212F	1/2" Coupler	1	003-A3812	Not Pictured	1

Completed Assembly



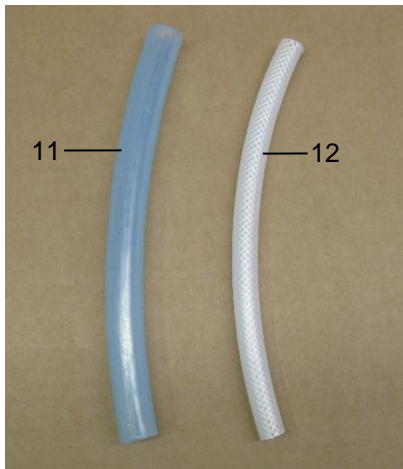
*Note: Due to alternative baler designs, elbow 003-EL3812 can be replaced by straight fitting 003-A3812. As well as elbow 003-EL1212 can be replaced by straight fitting 003-A1212. Both straight fittings are included.

Star Wheel Sensors



<u>Ref</u>	<u>Description</u>	<u>Part#</u>	<u>Qty</u>
1	Block Cover	006-4642UC	1
2	Star Wheel Block	006-4642UB	1
3	Star Wheel Gasket	006-4642UG	1
4	Electric Swivel	006-4642A	1
5	Swivel Insert	006-4642B	1
6	Encoder	006-4512E	1
7	Encoder Mount	006-4512P	1
8	Washers	006-4642K	1
9	Star Wheel	006-4641C	1
10	Encoder Harness (6 pin)	006-7307EM	1
NP	Moisture Harness (2 pin)	006-7307M	1
NP	Star Wheel Reinforcement	001-4644BB	2
1-10	Star wheel assembly (w/ Encoder)	030-4642UE	1
1-5	Star wheel assembly (w/o Encoder)	030-4642U	1

Hoses



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
11	1/2" Hose (Tank to Solenoid)	002-9001	30ft
12	1/4" Hose (Solenoid to Tips)	002-9016	6ft

Moisture Harness



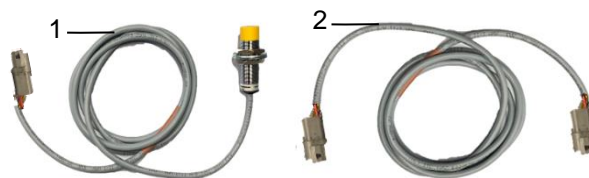
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Moisture Harness	006-7307EM2	1

Control Box and Wiring Harnesses

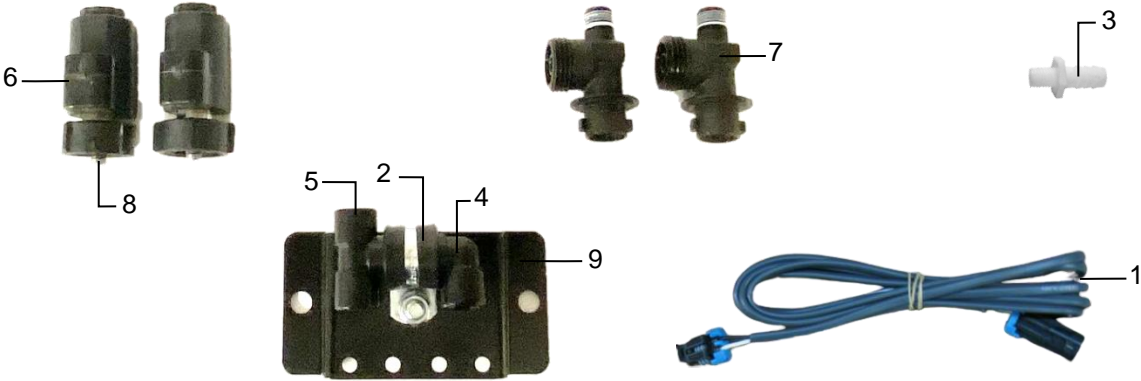


<u>Ref</u>	<u>Description</u>	<u>Part#</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part#</u>	<u>Qty</u>
1	Power Lead Baler 20'	006-765B2	1	NP	Baler Integration Harness	006-765VA	1
2	Power lead tractor	006-765IC	1	NP	Dust Plug Kit	006-765DP	1
3	Key Switch Wire	006-765CPH	1				
4	ISO Pump Module	006-7671LS	1				
5	ISO Communication Module	006-6673	1				

End of Bale Sensor Kit



700 Solenoid Package

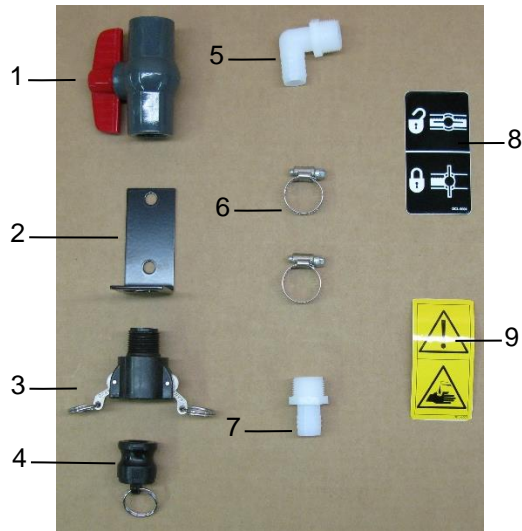


Solenoid Package

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Solenoid Harness (5')	006-3650-S1	2	6	Solenoid	002-2203F	2
2	Hose Clamp #6	003-9003	1	7	Solenoid Check Valve	004-1207VF	2
3	1/4" x 1/2" Straight Fitting	003-A1412	1	8	1/4" Nipple	003-M14	2
4	1/4" Elbow	003-SE14F	1	9	Solenoid Holder	001-4648DSH	1
5	1/4" Tee Fitting	003-TT14SQ	1	NP	O-Ring Kit	002-2203FG	2
Complete Assembly						SOL-3SP-LSB	

Hose and Drain/Fill Line

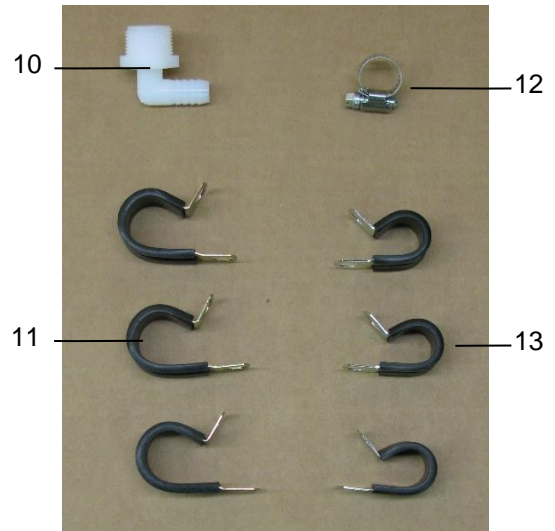
PBA-1



Ref	Description	Part #	Qty
1	3/4" Ball Valve	002-2200	1
2	Valve Holder	001-6702H	1
3	Female Coupler	002-2204A	1
4	Male Shut-Off Plug	002-2205G	1
5	3/4" x 3/4" Elbow	003-EL3434	1
6	#10 Hose Clamp	003-9004	2
7	3/4" x 3/4" Straight Fitting	003-A3434	1

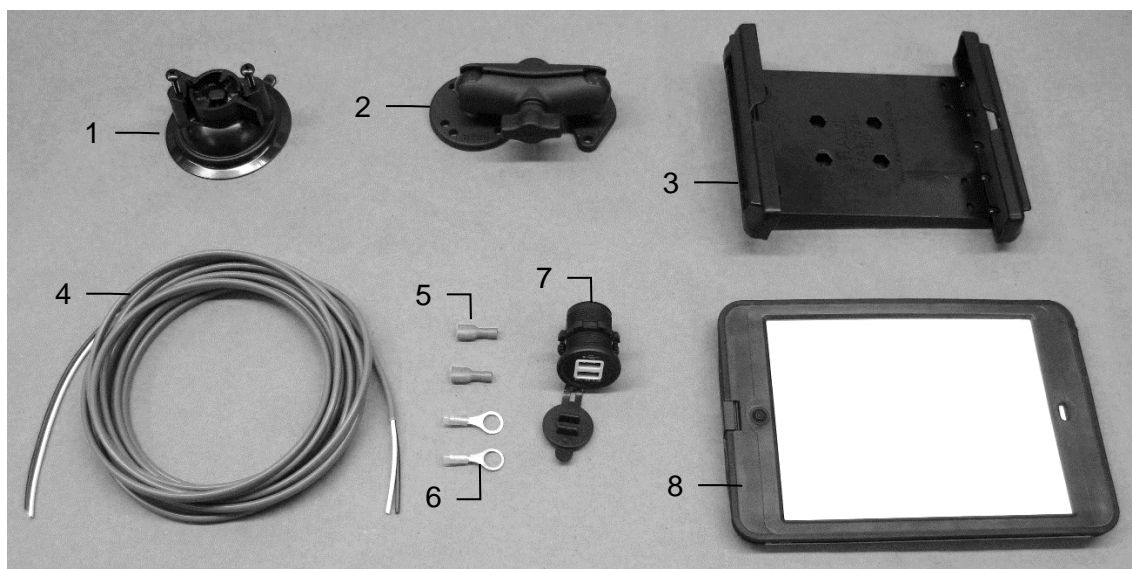
Complete Drain Fill Kit 030-0493DFK

PBP-16



Ref	Description	Part #	Qty
8	Valve Decal	DCL-8004	1
9	Hazard Decal	DCL-8001	1
10	3/4" x 1/2" Elbow	003-EL3412	1
11	3/4" Jiffy Clip	008-9010	3
12	#6 Hose Clamp	003-9003	1
13	Small Jiffy Clip	008-9009	3
10	3/4" x 1/2" Elbow	003-EL3412	1

Optional iPad Mini Mounting Kit (030-2014MK)



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

Mounting Kit Assembly

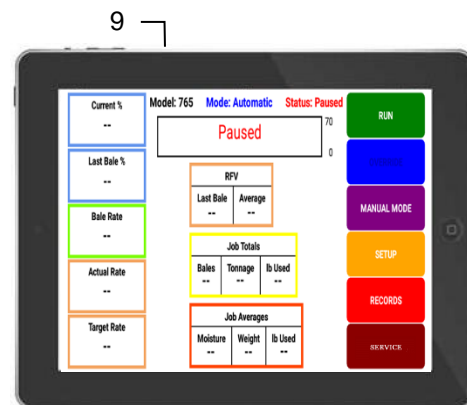
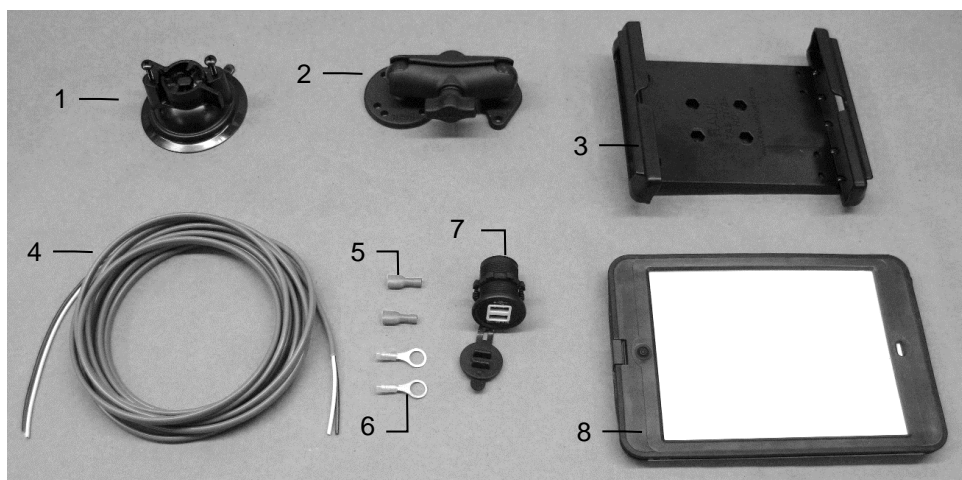
030-2014MK
(Includes All Parts)

Installation Instructions

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

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

Optional iPad Display Kit (030-4670DK)



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	iPad Mini® Spring Load Cradle (Mini 2)	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
9	iPad Mini 4	006-2670IP	1
NP	4 Amp Fuse	Hardware	1

Mounting Kit Assembly

030-2014MK
(Includes All Parts)

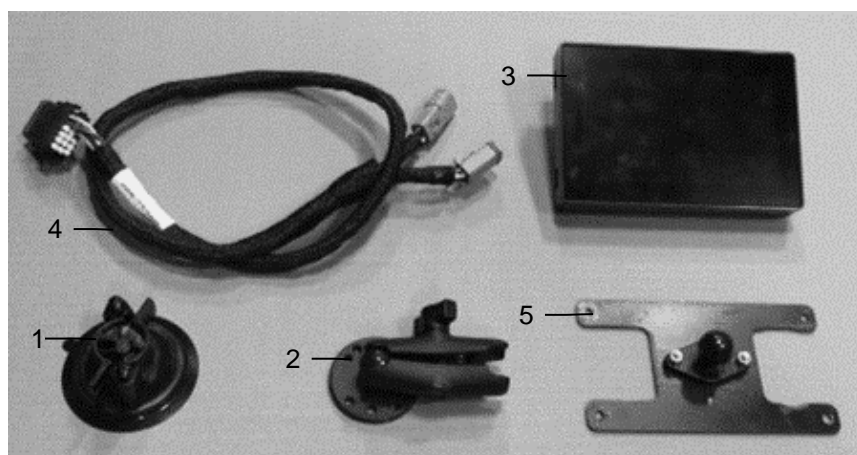
Installation Instructions

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

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

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

Optional Harvest Tec Display Kit (030-7670DK)



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Harvest Tec Display	006-765GVT	1
4	Display Harness	006-765GH	1
5	Mounting Plate	001-700GH	1

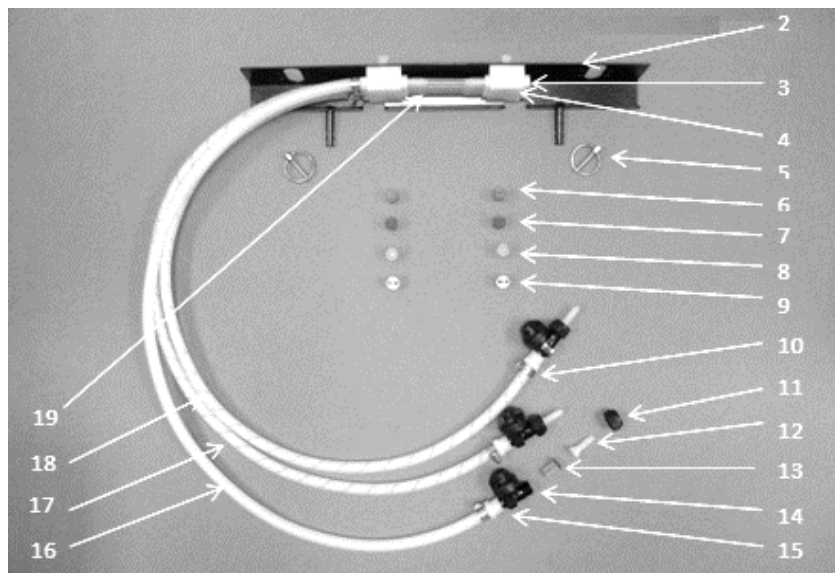
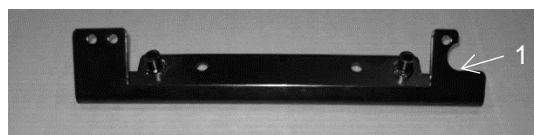
Installation Instructions

1. Identify 006-765GH harness connection to 006-765IC tractor harness.
2. Connect harness to the Harvest Tec Display before tightening into place.
3. Tighten the mounting and display. Streamline harness, as necessary.
4. Once connected, power cycle system and ensure display is working properly.

NOTE: CANNOT OPERATE WITH BOTH HARVEST TEC DISPLAY AND BALER VT CONNECTED AT THE SAME TIME

Harvest Tec Model 4636C Installation Kit

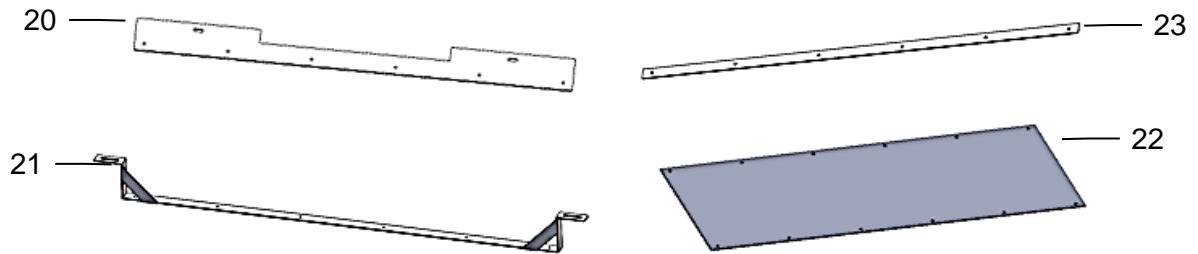
(Includes 4536B & 6707WG4 Kits)



<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 Blk	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	3 ft
10	Hose Clamp	003-9002	15		Shield Assembly (Ref 1-19)	030-4636B	

* Tip color subject to change

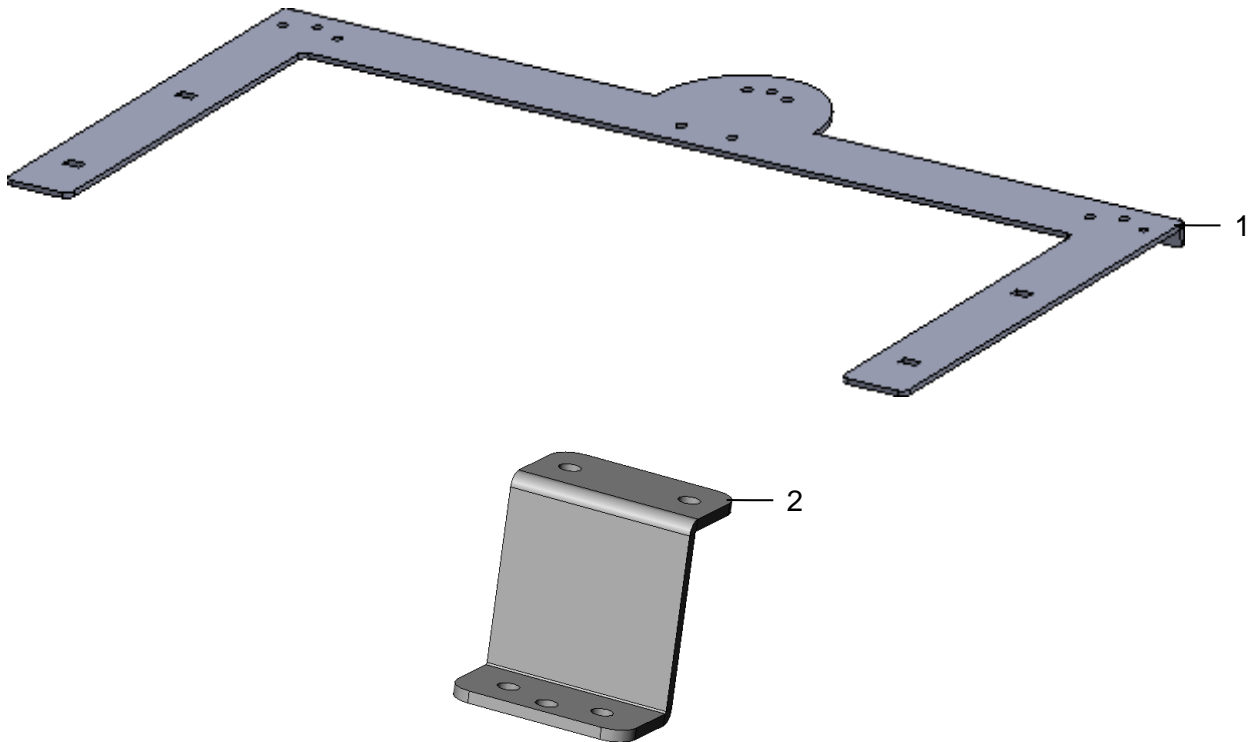
Wind Guard Assembly (4ft Baler)



<u>Ref</u>	<u>Description</u>	<u>Part Number</u>	<u>Qty</u>
20	Wind Guard Top Bkt	001-6707MA	1
21	Wind Guard Bottom Bkt	001-6707MC	1
22	4' Wind Guard Flap	001-6707GM4	1
23	Backing Plate	001-6707MB	2

<u>Ref</u>	<u>Description</u>	<u>Part Number</u>
	Wind Guard Kit (Ref 20-23)	030-6707WG4
	Complete 4636B Assembly (Ref 1-23)	030-4636B

Rear Light / Camera Brackets



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Rear Mounting Handrail	001-6707PM	1
2	Camera Mount Bracket	001-6707PMZ	1
NP	Light Extension Harness	006-7303LTX	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 5/22

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