Installation Manual

Model 347U
25 Gallon Automatic Preservative Applicator

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: 347U-17-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 347U Table of Contents

Introduction

Congratulations and thank you for purchasing a Harvest Tec Model 347U applicator. Please read this manual carefully to ensure correct steps are taken to attach the applicator to the baler. This applicator is designed to apply Harvest Tec buffered propionic acid. Use of alternative products may cause complications. Including inaccurate readings from the flow meter and damage to all parts. Resulting in the warranty being void. A parts break down for the applicator is located in the back of the manual.

*Made for iPad® running the current iOS operating system

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

300 Series Applicators with serial number before THS07000 will require the THS to be sent to Harvest Tec for a required update in order to use the iPad Integration Module (030-6670C).

Hay App version must be **at least 2.7.1 (or higher)** to operate with the iPad Integration Module (030-6672C)

Tools Needed

- Standard socket set
- Standard screw driver or 5/16" nut driver
- Side cutter
- Hose cutter
- Crescent wrench
- Hammer
- Metal drilling and cutting tools
- Center Punch

Installation of Applicator
Installation of Tank, Mounting Brackets, and Drain / Fill Line

Locate the tank base bracket (001-4442U). This bracket will mount on the front of the baler is show below. Depending on the year of the baler only two of the required three holes may be premade on the baler. Mark and drill two 1/2" (13mm) holes (one per side) if necessary.

Be sure to check behind the area before drilling to ensure there is nothing that will be damaged. The bracket will be secured on each side with three 1/2" x 1 1/4" hex bolts, six flat washers, three lock washers, and three hex nuts. Secure the left side of the baler first. Slide the supplied shims (001-4442US), if necessary, between the tank base bracket and the baler side wall if necessary. The shims need to be installed to prevent the balers side wall from moving in once the tank base bracket hardware is tightened. Tighten all hardware.

Front of Baler

A
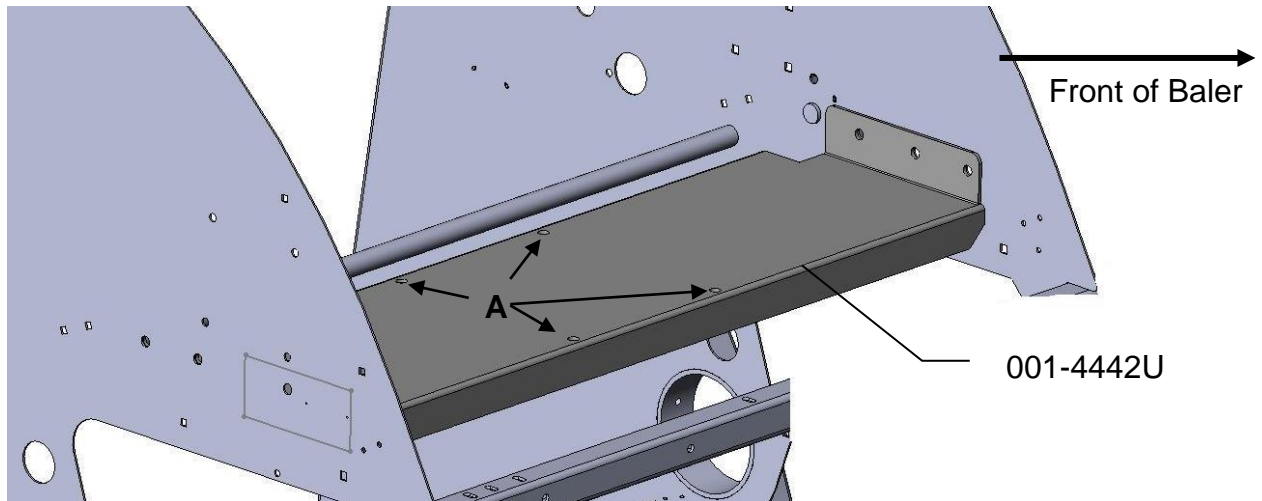
001-4442U

Installation of Tank, Mounting Brackets, & Drain / Fill Line (continued)

Mount the tank on the tank base bracket (001-4442U) as shown below and on the previous page. The position the tank and saddle so that the additional side hole on the tank will be facing the front of the baler. The tank saddle will have four holes that will line up with point A. Use four 1/2" x 1 1/4" hex bolts, four flat washers, and four lock washers to secure the tank to points A.

Locate parts bag 1 (PBA-1). The drain/fill line will connect to the tank at point C. Thread 3/4" elbow fitting (003-EL3434) into end of tank. Run 3/4" hose from the elbow down the frame to the bottom of the baler. Drill 1/4" (7mm) holes to accept the valve holder bracket and use 5/16" x 1 1/4" self-tapping screws. Connect valve assembly to other end of hose. Place hose clamps on both ends. The drain/fill line needs to be used for all filling or draining of the tank. Fill or drain from ground level only.

B

C

A
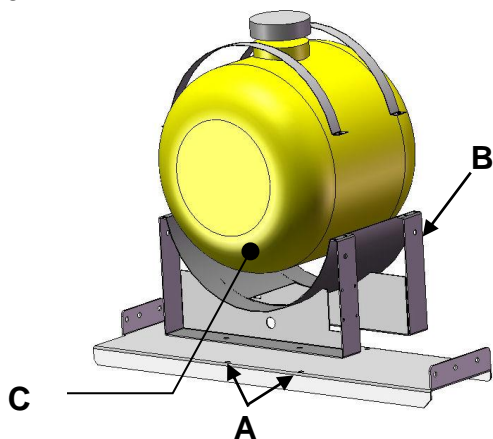
Valve bracket and quick coupler

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Mounting Control Box

Locate the controls package. Position the control box (006-3671RB) as shown on right. If the mounting holes are not pre-drilled on the tank saddle (001-4442), drill four 1/4" (7mm) holes. Using the supplied 10/32 x 3/4" Phillips flathead machine screws, nylock washers and nuts to mount the control box.


Placement of Nozzle Holders

Install Kit 347U

The cross bar on the wind guard above the pick-up head provides a mounting point for the nozzle holders (001-4714J). Mount the nozzle holders on the wind guard, using the supplied U bolts (001-4714UBS). Measuring from the center of the baler, the nozzle holders will need to be 6" (15cm) apart on a 4' (1.2M).

Position the nozzle holders so that the tips spray in a horizontal direction over the top of the baler's pickup. The tips should be located so that they will be between 14" and 18" (35 - 45 cm) from the normal path of hay. Make sure the tubes do not interfere with the tying system. *It is recommended to test the system with water prior to field operation. This will ensure the fan pattern from the tips reaches the outside edges of the pickup while having a slight overlap in the center.
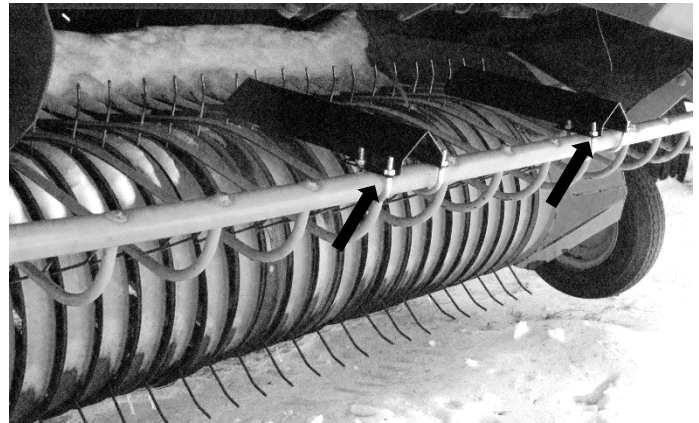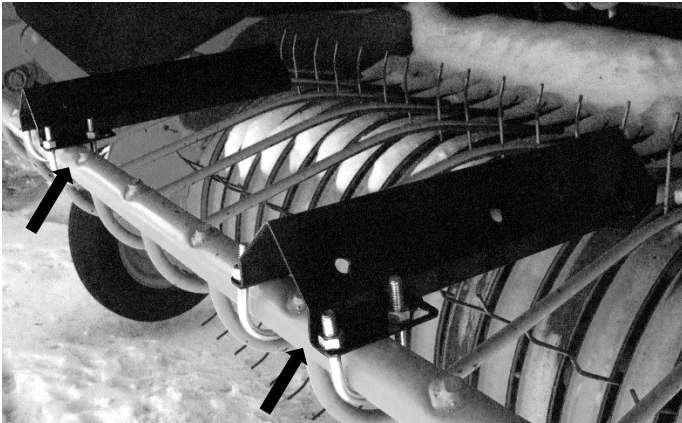
Installation of Plumbing

A. Intake
Locate parts bag 16. Use the 003-EL3412 on the bottom of the tank to route 1/2" line (002-9001) to the 003-A1212 or 003-EL1212 fitting used on the ball valve attached to the pump plate. Attach hose clamps (003-9003) on both of the fittings.

B. Discharge
Route the 1/2" hose from the pump output toward the front of the baler and connect to the solenoid assembly (SOL-3SP-A). Secure the solenoid assembly and hose along baler, positioning the solenoid as close to the spray tips as possible. Connect the 1/4" hose to the outgoing side of the solenoid to tip assembly.

C. Low, Standard and High Output Tips
Your baler comes with two sets of tips: a low set and a high set.

-Low set will cover outputs of 60 - 300 lbs/hr (27-300 L/hr).
-Standard set will cover outputs of 48- 448 lbs/hr (21-203 L/hr).
-High (optional) set will cover outputs of 80-800 lbs/hr (36L-363L).

Installation of Moisture Sensor Pads

Figure 1

2" from back of chamber (51mm)

1" from top of roll (25mm)

1. If your baler is equipped with bale shaping pads, remove disc and use existing hole (may need to be drilled larger, 3/4" (19mm) to install new moisture sensing discs.
2. If your baler is not equipped with bale shaping pads you will need to drill a hole in the chamber directly behind and above the starting roll (Figure 1).
3. The mounting hole will be 3/4" (19mm) in diameter. Use a plastic pad (006-4641F) and place it into the baler to use as a template. The bottom edge of the pad will be placed 1" (25mm) up from starting roll and 2" (51mm) from the back of the bale chamber (Figure 1).

006-4641G (b)

006-4641G (a)

006-4641I

006-4640G2
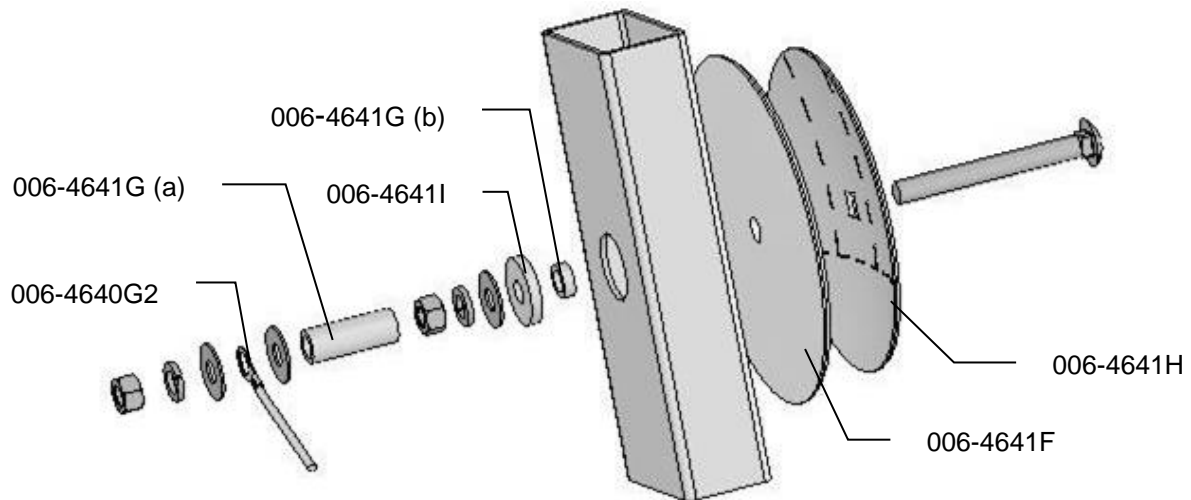
006-4641H

006-4641F

4. Locate the 006-4641G (a) piece, this will need to be cut down to size. Use the already machined line in the bushing to cut off the small piece shown above 006-4641G (b). Part 006-4641I may also need to be trimmed to fit.
5. Depending on the baler the bolt may need to be trimmed for proper fit.
6. Tighten all of the hardware to 50 ft/lbs (68 N/m).
7. Make sure that the plastic pad is protecting all metal surfaces of the disc from touching baler.
8. Run the moisture wire harness (006-4640G2) from pump plate area to each disc securing with cable ties.
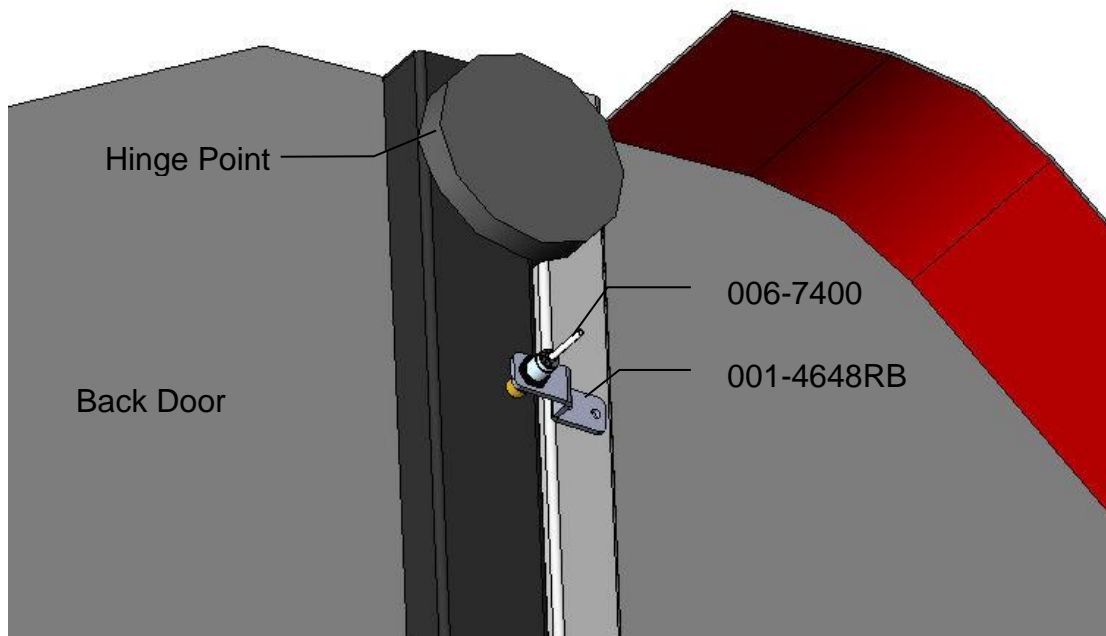
Installation of Bale Sensor

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

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

Mark and drill two 1/4" (7mm) holes and install the bracket using two 5/16" x1/4" self-tapping bolts.

Install the sensor into the bracket and leave 1/4" (7mm) of clearance between the end of the sensor and the door.

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

View of the right side of

Front of baler

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:

Made for
 iPad
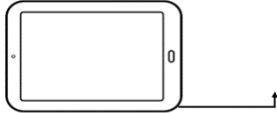
iPad Integration Control Light Signals

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

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

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

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

Bluetooth Receiver Lights

Pre-2020 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.

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Hay App version must be **at least 2.7.1 (or higher)** to operate with the iPad Integration Module (030-6672C)

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

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

Wiring Diagram

1. Connect the power harness (006-3650T) 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!** The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty. **CONTACT HARVEST TEC BEFORE MODIFICATIONS.**
   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 (006-3650T) will run from the tractor battery to the hitch. The power harness on the baler (006-3650B1) will connect to the tractor power harness (006-3650T) at the hitch.
3. Connect the keyed power wire (006-5650K) 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 iPad Integration Control (030-6672C) to the tractor power harness (006-3650T).
5. Attach the End of Bale (EOB) connection on the controller to the End of Baler Sensor (006-7400).
6. Attach the Solenoid (V1) (Delphi connector) connection on the controller to the wire from the solenoid (002-2203F). Note: If solenoid is connected to V2-DSM (not used) connection, solenoid will not work.
7. Attach the Flowmeter (FLOW) connection on the controller to the flowmeter (006-4729A).
   a. Attach the spade connectors on the FLOW harness to the Pump (007-4120DE).

System wiring diagram

*Note: (E) indication is used for International Dealers
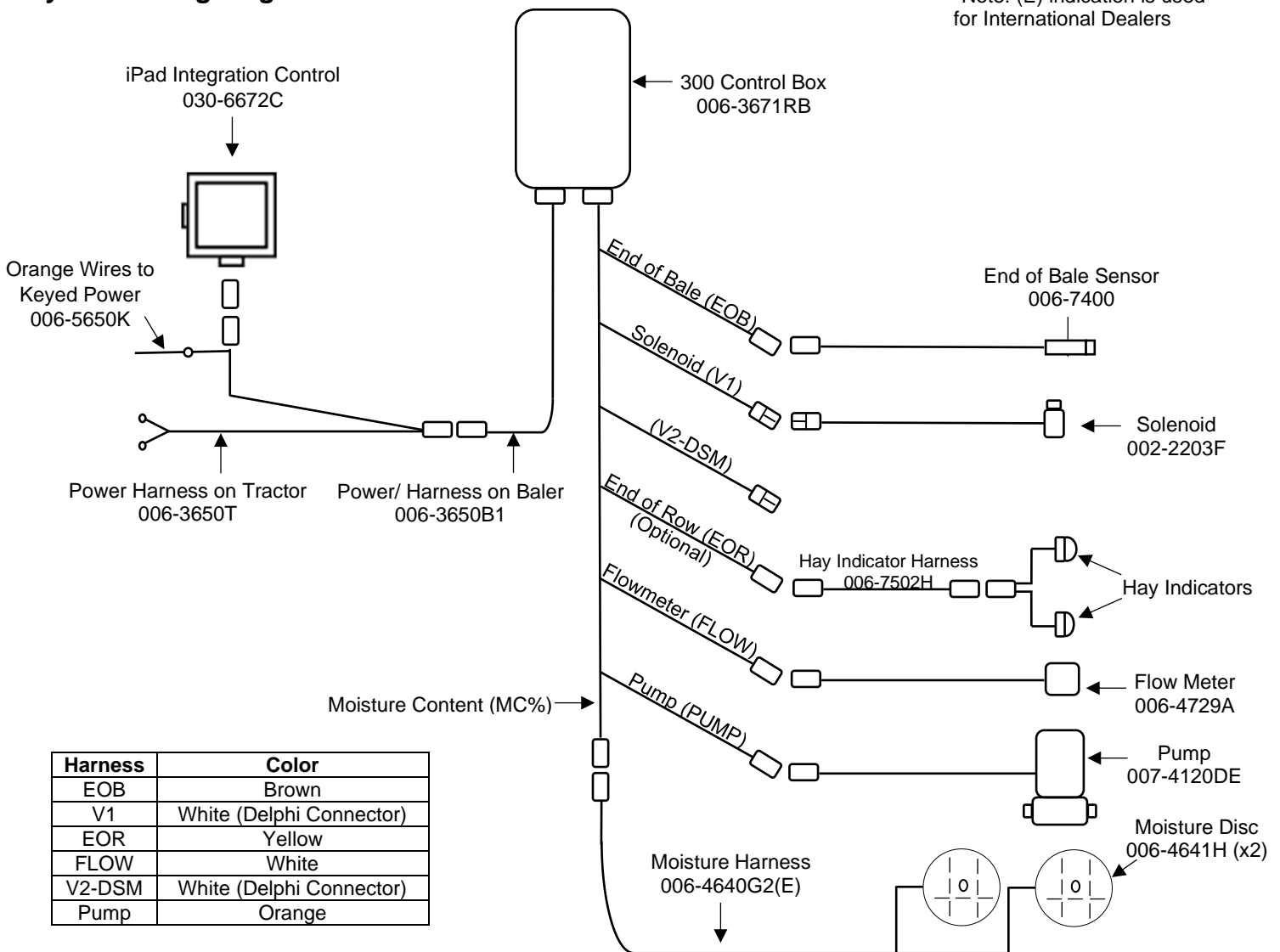
Harness	Color
EOB	Brown
V1	White (Delphi Connector)
EOR	Yellow
FLOW	White
V2-DSM	White (Delphi Connector)
Pump	Orange

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Pin Outs

Power Harness 006-3650T at Tractor Hitch
Pin 1   Red   +12V Power to BLE
Pin 2   Red   +12V Power to THS
Pin 3   Orange   Keyed Power
Pin 4   Not Used
Pin 5   Green   HT Can Low
Pin 6   Yellow   HT Can Hi
Pin 7   Not Used
Pin 8   Black   Ground from BLE
Pin 9   Black   Ground from THS
Pin 10 Not Used

Power Harness 006-3650B1 at Baler Hitch
Pin 1   Red   +12V Power to BLE
Pin 2   Red   +12V Power to THS
Pin 3   Orange   Keyed Power
Pin 4   Not Used
Pin 5   Green   HT Can Low
Pin 6   Yellow   HT Can Hi
Pin 7   Not Used
Pin 8   Black   Ground from BLE
Pin 9   Black   Ground from THS
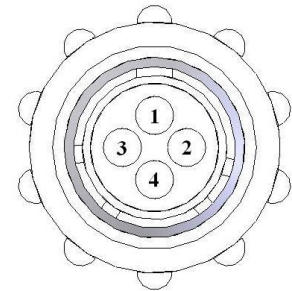Pin 10 Not Used

iPad Integration Control / BLE on Harness 006-3650T
Pin 1   Red   +12V Power for BLE
Pin 2   Black   Ground for BLE
Pin 3   Yellow   HT Can Low
Pin 4   Not Used
Pin 5   Green   HT Can Hi
Pin 6   Not Used
Pin 7   Not Used
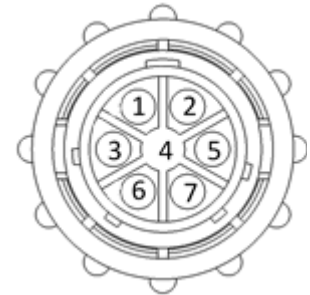
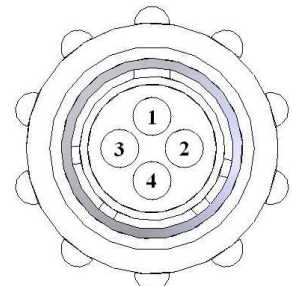End of Bale Sensor at 300 Controller Harness
Pin 1   Brown   Sensor Power
Pin 2   Blue   Sensor Ground
Pin 3   N/A
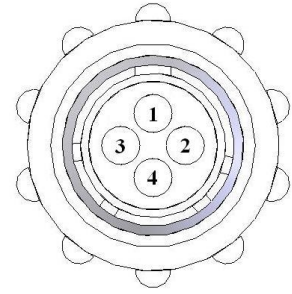Pin 4   Black   Signal from Sensor

Flow Meter at 300 Controller Harness
Pin 1   White   +5-12V Power
Pin 2   Brown   Ground
Pin 3   Green   Signal
Pin 4   Not Used

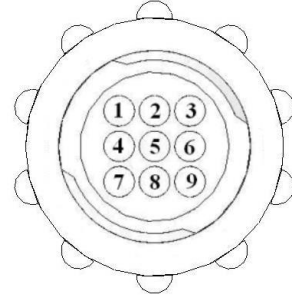## Pin Outs (continued)

End of Row Sensor at 300 Controller Harness
Pin 1   Red/White   +12V Power
Pin 2   Black/White   Ground
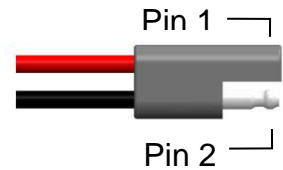Pin 3   Yellow   Signal
Pin 4   N/A

Moisture Sensor connection at 300 Controller Harness
Pin 1   Not Used
Pin 2   Not Used
Pin 3   Not Used
Pin 4   Not Used
Pin 5   Not Used
Pin 6   Not Used
Pin 7   Not Used
Pin 8   Blue   Signal for Sensor 1
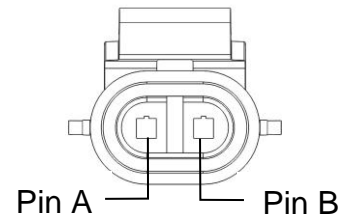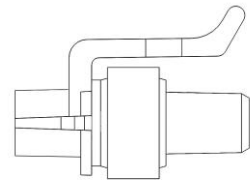Pin 9   Blue   Signal for Sensor 2

Pump connection at 300 Controller Harness
Pin 1   Red   Power to Pump
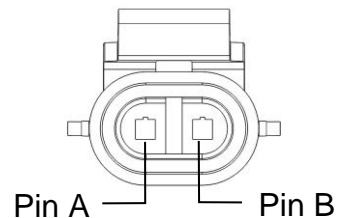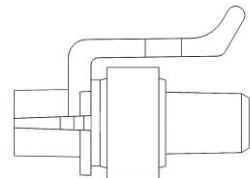Pin 2   Black   Ground to Pump

Solenoid Connection at 300 Controller Harness
Pin A   Black   Solenoid Pause
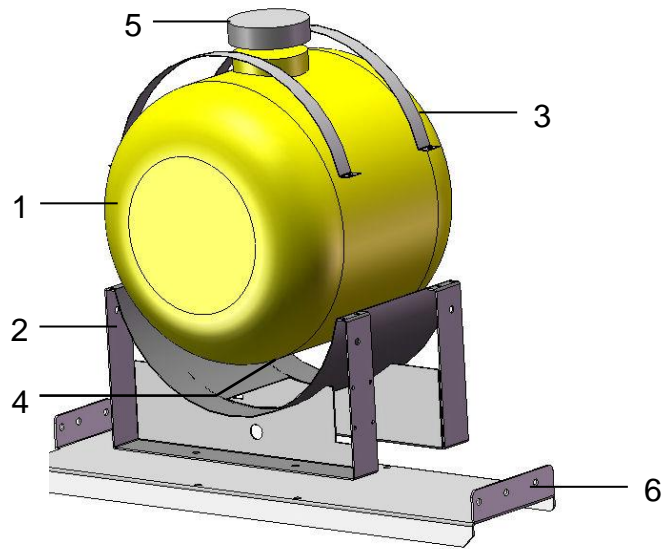Pin B   White   Solenoid Ground

V2-DSM Connection at 300 Controller Harness
Pin A   Black   Solenoid Pause
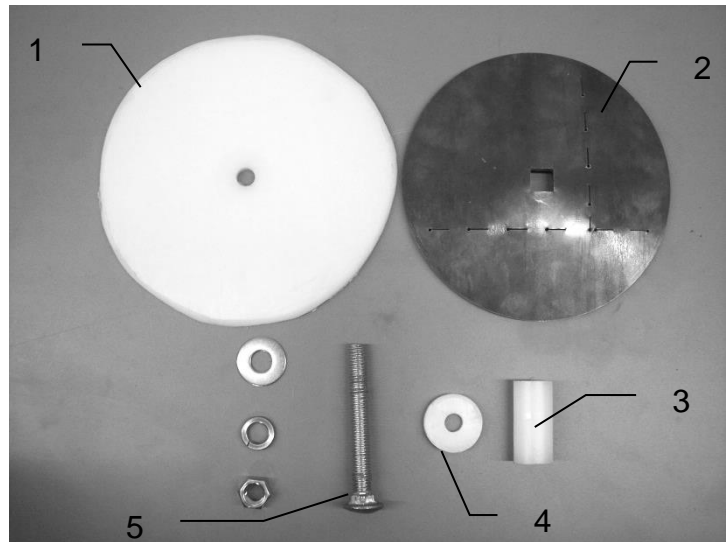Pin B   White   Solenoid Ground

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Model 347U Base Kit

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	25 Gallon tank	005-9022	1	5	Tank lid	005-9022C	1
2	25 Gallon saddle	001-4442	1		Tank lid gasket	005-9022CG	1
3	Strap	001-4402	2	6	Tank mounting bracket	001-4442U	1
4	Tank fitting	005-9100	2				
					Tank Saddle Kit	030-044225-TK (1-5)	

Moisture Sensors
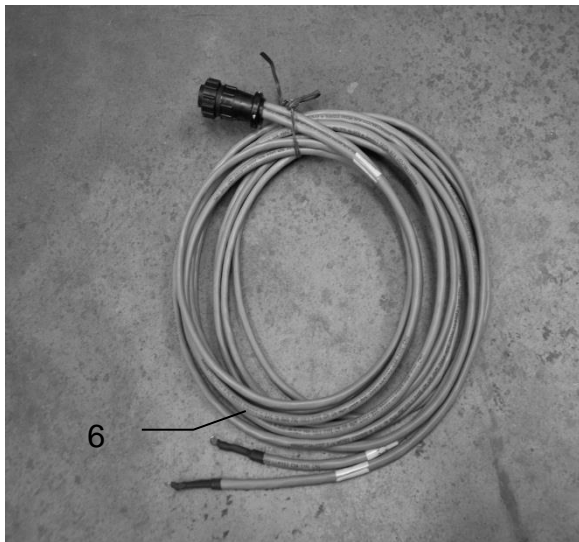
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Plastic Pad	006-4641F	2	4	Plastic Isolator	006-4641I	2
2	Moisture Disc	006-4641H	2	5	1/2X4 1/2" Carriage Bolt		2
3	Plastic Bushing	006-4641G	2	6	Moisture Cable	006-4640G2	1
					Moisture Pad Assembly (Ref 1-5)	030-4643	2
					Complete Assembly (Ref 1-6)	MSH-RB-A	

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Parts Breakdown for Pump Assembly

003-RB1214PB
006-4729A
003-M1212F
003-M1212
003-RB3814PB
002-4315-100
002-4566F
003-M1212
003-SE38
003-SE12
003-M3838
002-2212
007-4120DE
001-4648XL
003-EL1212
003-EL3812
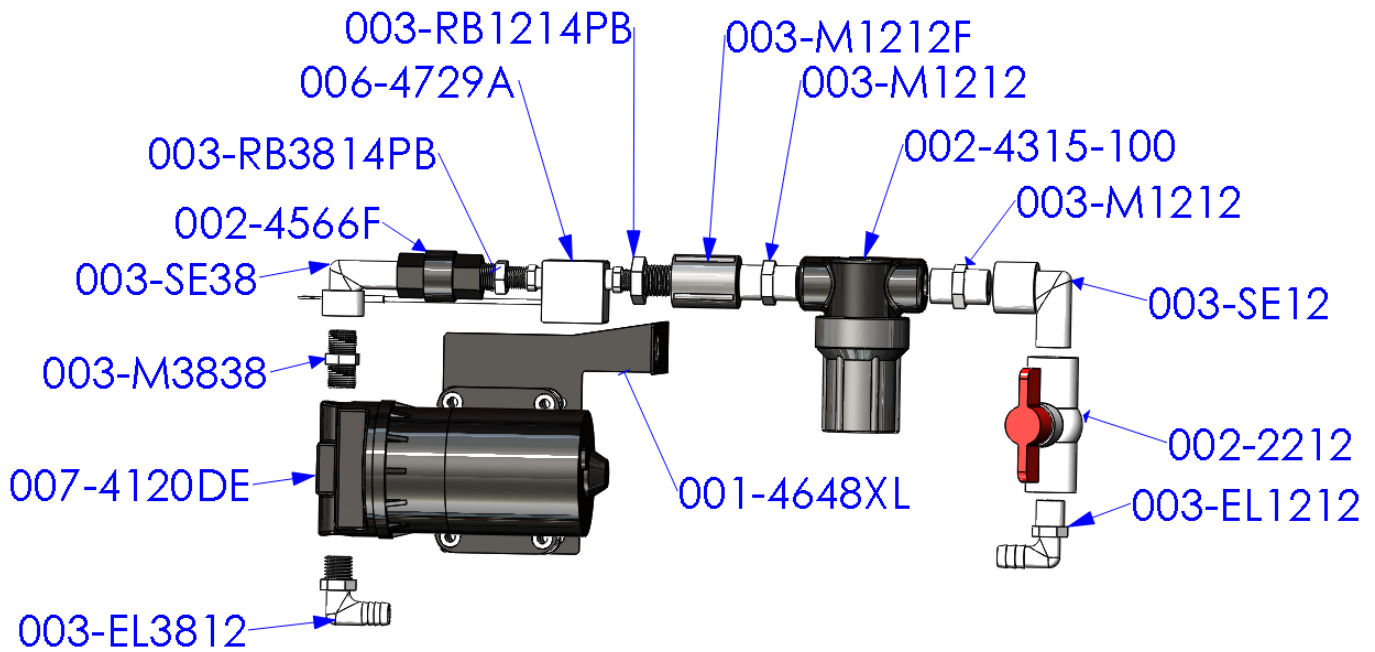
Part#	Description	Qty	Part#	Description	Qty
003-EL3812	3/8"MPT X 1/2"HB Elbow	1	003-M1212	1/2" Union	2
007-4120DE	300 Series Pump	1	002-4315-100	1/2" Line Strainer-100 Mesh	1
003-M3838	3/8" x 3/8" Union	1	003-SE12	1/2" Street Elbow	1
003-SE38	3/8" Street Elbow	1	002-2212	1/2" Ball Valve	1
002-4566F	3/8" 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
006-4729A	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	
003-M1212F	1/2" Coupler	1	003-A3812	Not Pictured	

Pump Assembly PMP-3636P (001-4648X Not Included)

*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.

Control Box and Wiring Harnesses
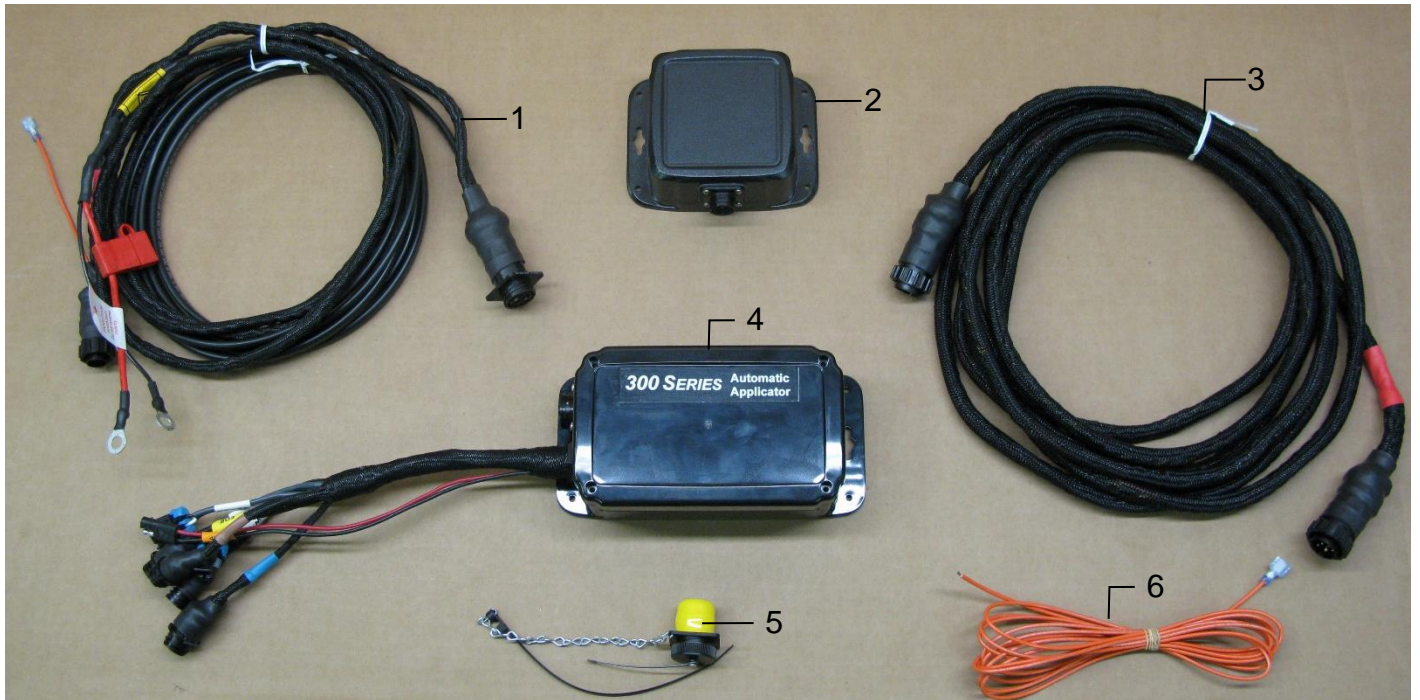
Ref	Description	Part #	Qty
1	Tractor Power Harness	006-3650T	1
2	iPad Integration Control	030-6672C	1
3	Baler Power Harness (20')	006-3650B1	1
4	Control Box	006-3671RB	1
5	Dust Plug Kit	006-5651Plug	1
6	Key Switch Harness	006-5650K	1
NP	USB Cable	006-6672USBC	1
	Complete Assembly	030-363CPA	

End of Bale Sensor Kit A
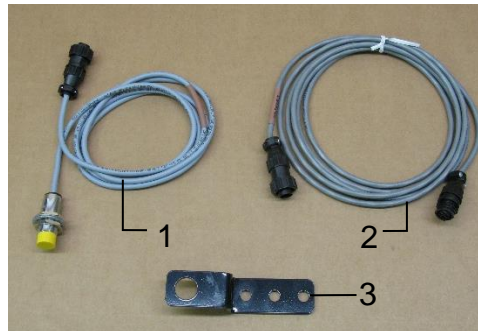
Ref	Description	Part #	Qty
1	End of Bale Sensor	006-7400	1
2	EOB Extension	006-7400EXT	1
3	End of Bale Bracket	001-4648RB	1
	Complete Assembly	EOB-RB-A	

300 Solenoid Package
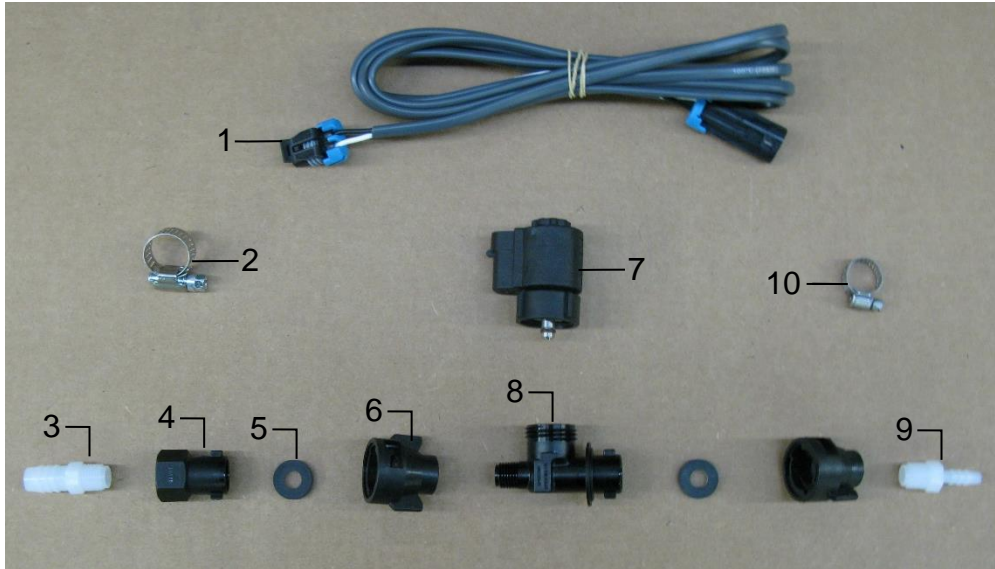
Solenoid Package A
(Applicator Kit: 351)

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Solenoid Harness (5')	006-3650-S1	1	6	1/4" Female Disconnect	004-1207H	2
2	#6 Hose Clamp	003-9003	1	7	Solenoid	002-2203F	1
3	1/4" x 1/2" Straight Fittng	003-A1412	1	8	Solenoid Valve Body	004-1207VF	1
4	1/4" Female Connector	004-1207G	1	9	1/4" x 1/4" Straight Fitting	003-A1414	1
5	Rubber Washer	004-1207W	2	10	Mini Hose Clamp	003-9002	1
					Complete Assembly	SOL-3SP-A	

Hoses
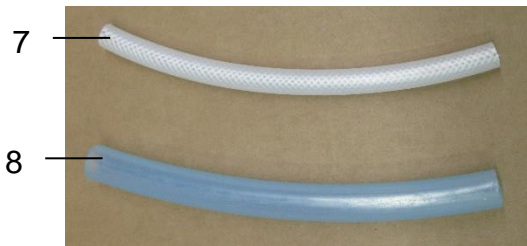
Ref	Description	Part #	Qty
7	1/2" Hose (Tank to Solenoid)	002-9001	15ft
8	1/4" Hose (Solenoid to Tips)	002-9016	6ft

Parts Bag Packages

PBA-1
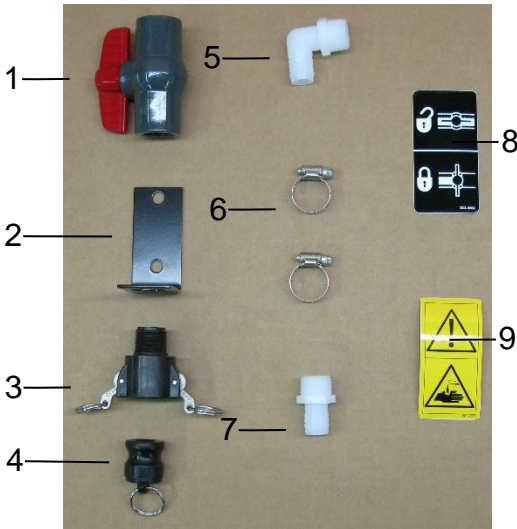
PBP-16
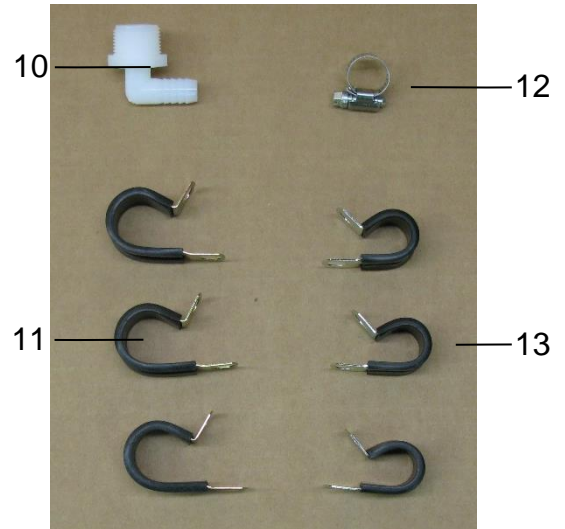
Ref	Description	Part #	Qty
1	3/4" Ball Valve	002-2200	1
2	Valve Holder	001-6702H	1
3	Female Coupler	002-2204A	1
4	Male Shut-Off Plug	002-2205G	1
5	3/4" x 3/4" Elbow	003-EL3434	1
6	#10 Hose Clamp	003-9004	2
7	3/4" x 3/4" Straight Fitting	003-A3434	1
8	Valve Decal	DCL-8004	1
9	Chemical Hazard Decal	DCL-8001	1
	Complete Drain Fill Kit	030-0493DFK	

Ref	Description	Part #	Qty
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

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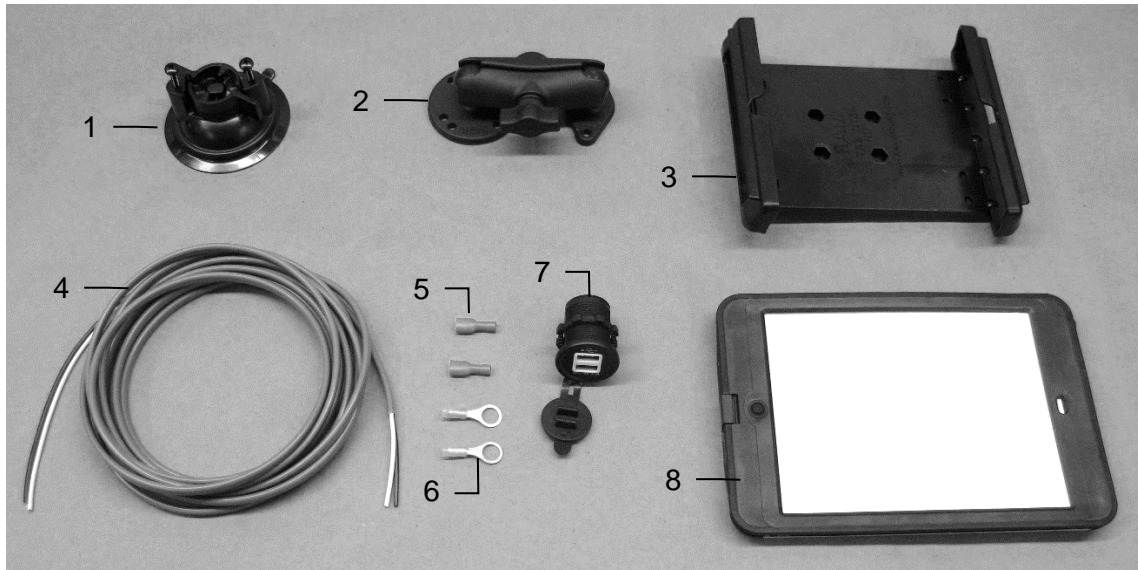
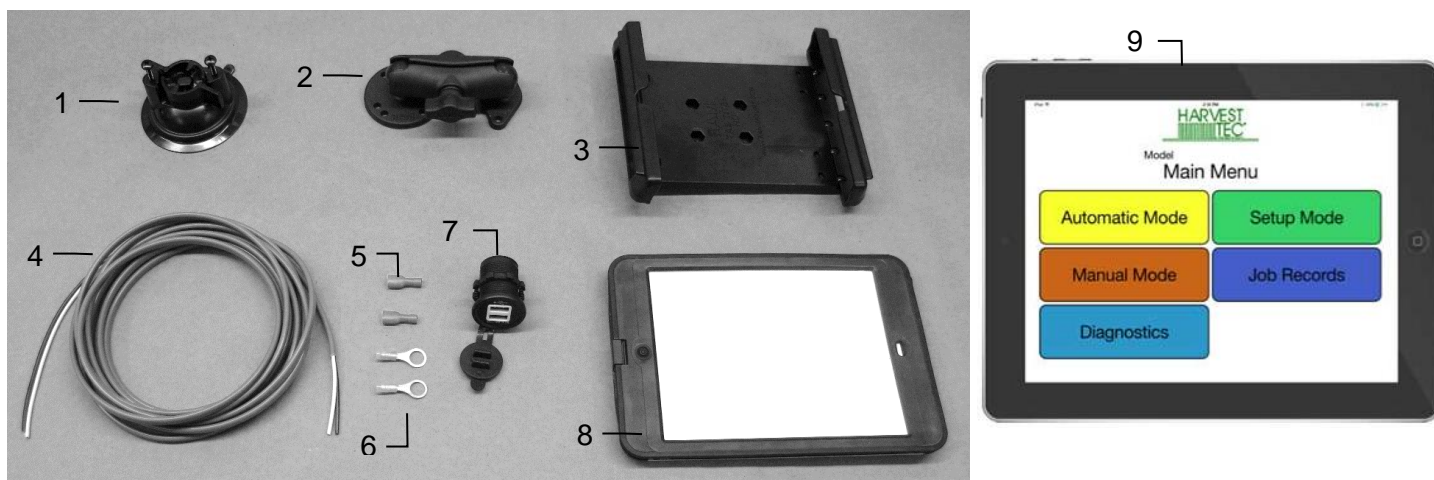| Ref	Description	Part #	Qty
1	Suction cup mount	001-2012SCM	1
2	Ram mount	001-2012H	1
3	iPad Mini® spring load cradle (Mini 4)	001-2012SLC	1
4	16 gauge power wire	006-4723P	1
5	Female spade connector	Hardware	2
6	Eye loop connector	Hardware	2
7	iPad Mini Charger 12V	001-2012P	1
8	iPad Mini 4 case	001-2012C4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

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

Optional iPad Display Kit (030-4670DK)

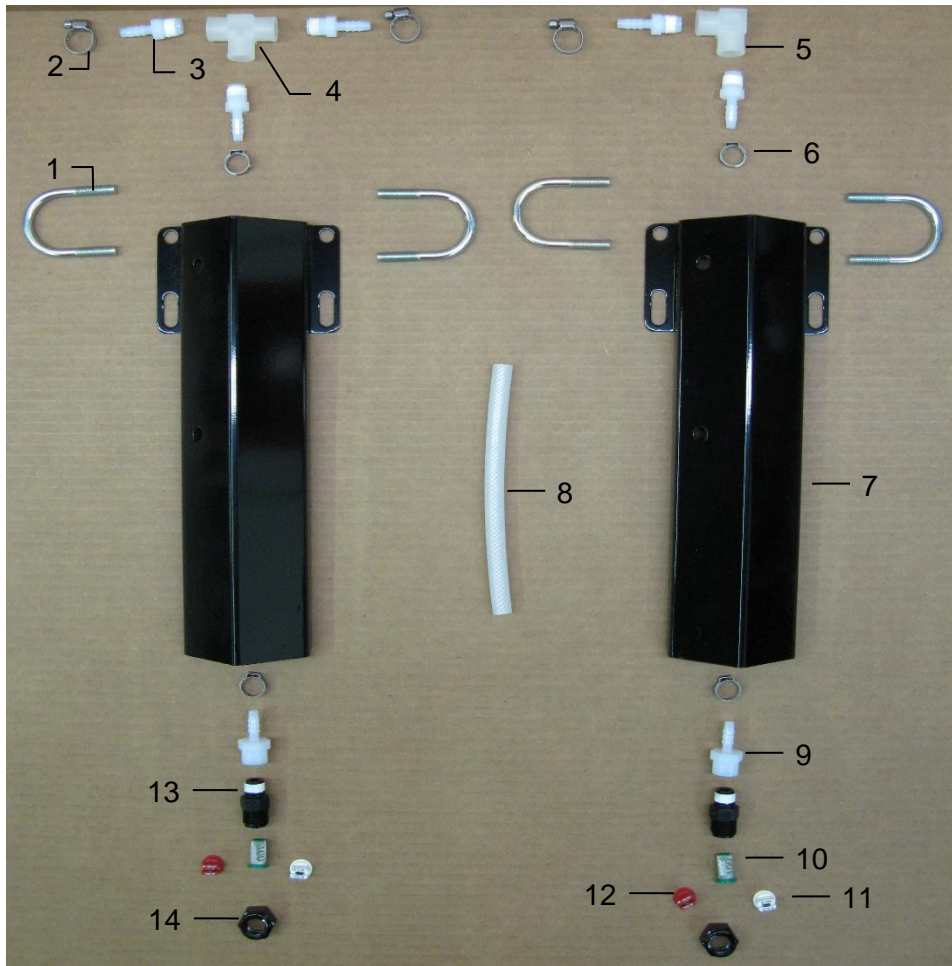| Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Suction cup mount	001-2012SCM	1	7	iPad Mini Charger 12V	001-2012P	1
2	Ram mount	001-2012H	1	8	iPad Mini 4 case	001-2012C4	1
3	iPad Mini spring load cradle (Mini 4)	001-2012SLC	1	9	iPad Mini 4	006-4670IP	1
4	16 gauge power wire	006-4723P	1	NP	4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

Installation Instructions

1. Identify 12V power source for wires to connect.
2. Eye loops included if wiring directly to the battery is desired.
3. Test for key power source if preferred to have power to the USB shut off with the key.
4. Once power source is identified, cut wires to desired length.
5. Crimp the two supplied quick connectors onto the white and black wire.
6. Remove the round locking plastic nut from USB plug before connecting the wires. Black (+) White (-).
7. The wires will then be hooked to the designated terminals on the bottom of the USB plug
8. Drill a 1 1/8" hole in the preferred mounting location. Be sure to clean any sharp edges after drilling.
9. Feed the wires through the mounting hole.
10. 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.
11. Connect the wires to the identified power source if easier to do so before tightening the plug into place.
12. Tighten plug using either the round plastic nut or mounting plate and two screws, both options supplied.
13. 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.

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347U Installation Kit (Shield Only)

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	11	Tip – White	004-XR11008VS	2
2	Hose clamp	003-9002	4	12	Tip – Red	004-XR11004VS	2
3	1/4"MPT x 1/4" HB	003-A1414	5	13	Nozzle Body	004-4723	2
4	1/4" SqTee	003-TT14SQ	1	14	Nozzle Cap	004-4722	2
5	1/4" Female St Elbow	003-SE14F	1	NP	477 Jiffy Clip	008-9014	2
6	Oetiker Clamp	003-9008	4				
7	Nozzle Holder	001-4714J	2		* Tip color subject to change		
8	Hose	002-9016	3 ft				
9	1/4" x 1/4" Fitting	003-A1414F	2		Complete Assembly	030-4714J-SO	
10	Tip Strainer	004-1203-100	2				

Notes

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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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