DECLARATION OF INCORPORATION

MANUFACTURER: Harvest Tec Inc.
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:


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
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® (3rd through Pro 2nd generation), running the current iOS operating system or one version previous required for iPad option
*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 2.5.18 (or higher) to operate with the iPad Integration Module (030-6672C)

Tools Needed
- Standard socket set
- Side cutter
- Crescent wrench
- Metal drilling and cutting tools
- Standard screw driver or 5/16” nut driver
- Hose cutter
- Hammer
- 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 as shown 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.

![Diagram showing the installation of the tank base bracket](image)

**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.

![Diagram showing the installation of the tank, mounting brackets, and drain/fill line](image)
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, nylon 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

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).

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.
Installation of iPad Integration Control

Locate a safe location in the cab of the tractor to place the iPad Integration Control (030-6672C). Recommended location is securely fastened out of the operators way in a location that is close enough to reach with the iPad cord.

Connect the Power / Communication harness (006-6650TM(E)) to the bottom of the receiver.

To operate the applicator, plug the iPad cord into the communication port indicated by:

iPad Integration Control Light Signals

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

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

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

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

Bluetooth Receiver Lights

Pre-2020 applicators 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.

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 2.5.18 (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. Attach 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*
**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
## Model 347U Base Kit

<table>
<thead>
<tr>
<th>Ref</th>
<th>Description</th>
<th>Part #</th>
<th>Qty</th>
<th>Ref</th>
<th>Description</th>
<th>Part #</th>
<th>Qty</th>
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<tbody>
<tr>
<td>1</td>
<td>25 Gallon tank</td>
<td>005-9022</td>
<td>1</td>
<td>5</td>
<td>Tank lid</td>
<td>005-9022C</td>
<td>1</td>
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<tr>
<td>2</td>
<td>25 Gallon saddle</td>
<td>001-4442</td>
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<td>Tank lid gasket</td>
<td>005-9022CG</td>
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<tr>
<td>3</td>
<td>Strap</td>
<td>001-4402</td>
<td>2</td>
<td>6</td>
<td>Tank mounting bracket</td>
<td>001-4442U</td>
<td>1</td>
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<tr>
<td>4</td>
<td>Tank fitting</td>
<td>005-9100</td>
<td>2</td>
<td></td>
<td>Tank Saddle Kit</td>
<td>030-044225-TK (1-5)</td>
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## Moisture Sensors

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<tbody>
<tr>
<td>1</td>
<td>Plastic Pad</td>
<td>006-4641F</td>
<td>2</td>
<td>4</td>
<td>Plastic Isolator</td>
<td>006-4641I</td>
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<td>2</td>
<td>Moisture Disc</td>
<td>006-4641H</td>
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<td>5</td>
<td>1/2X4 1/2&quot; Carriage Bolt</td>
<td>006-4640G2</td>
<td>1</td>
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<tr>
<td>3</td>
<td>Plastic Bushing</td>
<td>006-4641G</td>
<td>2</td>
<td>6</td>
<td>Moisture Cable</td>
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</table>

Moisture Pad Assembly (Ref 1-5) 030-4643 2
Complete Assembly (Ref 1-6) MSH-RB-A
**Parts Breakdown for Pump Assembly**

<table>
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<tr>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
<th>Part#</th>
<th>Description</th>
<th>Qty</th>
</tr>
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<tbody>
<tr>
<td>003-EL3812</td>
<td>3/8&quot;MPT X 1/2&quot;HB Elbow</td>
<td>1</td>
<td>003-M1212</td>
<td>1/2&quot; Union</td>
<td>2</td>
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<tr>
<td>007-4120DE</td>
<td>300 Series Pump</td>
<td>1</td>
<td>002-4315-100</td>
<td>1/2&quot; Line Strainer-100 Mesh</td>
<td>1</td>
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<tr>
<td>003-M3838</td>
<td>3/8&quot; x 3/8&quot; Union</td>
<td>1</td>
<td>003-SE12</td>
<td>1/2&quot; Street Elbow</td>
<td>1</td>
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<tr>
<td>003-SE38</td>
<td>3/8&quot; Street Elbow</td>
<td>1</td>
<td>002-2212</td>
<td>1/2&quot; Ball Valve</td>
<td>1</td>
</tr>
<tr>
<td>002-4566F</td>
<td>3/8&quot; Check Valve</td>
<td>1</td>
<td>003-EL1212</td>
<td>1/2&quot;MPT x 1/2&quot;HB</td>
<td>1</td>
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<tr>
<td>003-RB3814PB</td>
<td>RB 3/8&quot; x 1/4&quot; Reducer</td>
<td>1</td>
<td>001-4648XL</td>
<td>300 Pump Support</td>
<td>1</td>
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<tr>
<td>006-4729A</td>
<td>Flow Meter – Block Style</td>
<td>1</td>
<td>001-4648X</td>
<td>Pump Plate Mount</td>
<td></td>
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<tr>
<td>003-RB1214PB</td>
<td>RB 1/2&quot; x 1/4&quot; Reducer</td>
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<td>003-A1212</td>
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<tr>
<td>003-M1212F</td>
<td>1/2&quot; Coupler</td>
<td>1</td>
<td>003-A3812</td>
<td>Not Pictured</td>
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*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

### Tractor Power Harness
- **Ref:** 1
- **Description:** Tractor Power Harness
- **Part:** 006-3650T
- **Qty:** 1

### iPad Integration Control
- **Ref:** 2
- **Description:** iPad Integration Control
- **Part:** 030-6672C
- **Qty:** 1

### Baler Power Harness (20')
- **Ref:** 3
- **Description:** Baler Power Harness (20')
- **Part:** 006-3650B1
- **Qty:** 1

### Control Box
- **Ref:** 4
- **Description:** Control Box
- **Part:** 006-3671RB
- **Qty:** 1

### Dust Plug Kit
- **Ref:** 5
- **Description:** Dust Plug Kit
- **Part:** 006-5651Plug
- **Qty:** 1

### Key Switch Harness
- **Ref:** 6
- **Description:** Key Switch Harness
- **Part:** 006-5650K
- **Qty:** 1

### NP USB Cable
- **Ref:** NP
- **Description:** USB Cable
- **Part:** 006-6672USBC
- **Qty:** 1

**Complete Assembly:** 030-363CPA

---

## End of Bale Sensor Kit A

### End of Bale Sensor
- **Ref:** 1
- **Description:** End of Bale Sensor
- **Part:** 006-7400
- **Qty:** 1

### EOB Extension
- **Ref:** 2
- **Description:** EOB Extension
- **Part:** 006-7400EXT
- **Qty:** 1

### End of Bale Bracket
- **Ref:** 3
- **Description:** End of Bale Bracket
- **Part:** 001-4648RB
- **Qty:** 1

**Complete Assembly:** EOB-RB-A

---
300 Solenoid Package

Solenoid Package A
(Applicator Kit: 351)

<table>
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<tr>
<th>Ref</th>
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<tr>
<td>1</td>
<td>Solenoid Harness (5')</td>
<td>006-3650-S1</td>
<td>1</td>
<td>6</td>
<td>1/4&quot; Female Disconnect</td>
<td>004-1207H</td>
<td>2</td>
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<tr>
<td>2</td>
<td>#6 Hose Clamp</td>
<td>003-9003</td>
<td>1</td>
<td>7</td>
<td>Solenoid</td>
<td>002-2203F</td>
<td>1</td>
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<td>3</td>
<td>1/4&quot; x 1/2&quot; Straight Fitting</td>
<td>003-A1412</td>
<td>1</td>
<td>8</td>
<td>Solenoid Valve Body</td>
<td>004-1207VF</td>
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<td>4</td>
<td>1/4&quot; Female Connector</td>
<td>004-1207G</td>
<td>1</td>
<td>9</td>
<td>1/4&quot; x 1/4&quot; Straight Fitting</td>
<td>003-A1414</td>
<td>1</td>
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<tr>
<td>5</td>
<td>Rubber Washer</td>
<td>004-1207W</td>
<td>2</td>
<td>10</td>
<td>Mini Hose Clamp</td>
<td>003-9002</td>
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Complete Assembly   SOL-3SP-A

Hoses

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<tr>
<td>7</td>
<td>1/2&quot; Hose (Tank to Solenoid)</td>
<td>002-9001</td>
<td>15ft</td>
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<tr>
<td>8</td>
<td>1/4&quot; Hose (Solenoid to Tips)</td>
<td>002-9016</td>
<td>6ft</td>
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# Parts Bag Packages

## PBA-1

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<tr>
<td>1</td>
<td>3/4&quot; Ball Valve</td>
<td>002-2200</td>
<td>1</td>
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<tr>
<td>2</td>
<td>Valve Holder</td>
<td>001-6702H</td>
<td>1</td>
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<tr>
<td>3</td>
<td>Female Coupler</td>
<td>002-2204A</td>
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<tr>
<td>4</td>
<td>Male Shut-Off Plug</td>
<td>002-2205G</td>
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<tr>
<td>5</td>
<td>3/4&quot; x 3/4&quot; Elbow</td>
<td>003-EL3434</td>
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<tr>
<td>6</td>
<td>#10 Hose Clamp</td>
<td>003-9004</td>
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<td>7</td>
<td>3/4&quot; x 3/4&quot; Straight Fitting</td>
<td>003-A3434</td>
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<td>8</td>
<td>Valve Decal</td>
<td>DCL-8004</td>
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<td>9</td>
<td>Chemical Hazard Decal</td>
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## PBP-16

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<td>3/4&quot; x 1/2&quot; Elbow</td>
<td>003-EL3412</td>
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<tr>
<td>11</td>
<td>3/4&quot; Jiffy Clip</td>
<td>008-9010</td>
<td>3</td>
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<td>12</td>
<td>#6 Hose Clamp</td>
<td>003-9003</td>
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<tr>
<td>13</td>
<td>Small Jiffy Clip</td>
<td>008-9009</td>
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Complete Drain Fill Kit: 030-0493DFK
### Optional iPad Mini Mounting Kit (030-2014MK)

<table>
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<th>Description</th>
<th>Part #</th>
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<td>1</td>
<td>Suction cup mount</td>
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<td>Eye loop connector</td>
<td>Hardware</td>
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<td>NP</td>
<td>4 amp fuse</td>
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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**

*(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.

*iPad mini is a trademark of Apple Inc., registered in the U.S. and other countries.*
# 347U Installation Kit (Shield Only)

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Notes
Harvest Tec Inc. 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. 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, 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 4/17