

# Installation Manual

## **Model 337** **25 Gallon Automatic Preservative Applicator**



*Equipment and Products  
for Quality Hay.™*

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P.O. Box 63 • 2821 Harvey Street • Hudson, WI 54016  
800-635-7468 • [www.harvesttec.com](http://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:** 337-17-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 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

# Harvest Tec 337 Table of Contents

	<u>PAGE</u>
<b>Installation Kit Reference</b>	<b>3</b>
<b>Tools Needed</b>	<b>3</b>
<b>Installation of Applicator</b>	<b>4-7</b>
Installation of Mounting Brackets, Tank, and Drain / Fill line.	4-5
Mount Pump Plate Assembly	5
Placement of Spray Nozzle Assembly	6
Installation of Plumbing	6
Installation of Moisture Sensing Pads	7
End of Bale Sensor	8
Installation of iPad Integration Control	9
iPad Integration Control Light Signal	9
Bluetooth Receiver Lights	9
<b>Wiring Diagram</b>	<b>10</b>
<b>Pin Outs</b>	<b>11-12</b>
<b>Parts Breakdown</b>	<b>13-22</b>
337 Base kit	13
Pump Assembly	14
300 Solenoid Package	15
Moisture Sensor	16
Control Box and Wiring Harnesses	17
End of Bale Sensor Kit	17
Parts Bag Packages & Hoses	18
Installation Kit	19
Optional High Output Kit (300RBHTK)	20
Optional iPad Mounting Kit	21
Optional iPad Display Kit	22
<b>Warranty Statement</b>	<b>23</b>

## Introduction

Congratulations and thank you for purchasing a Harvest Tec Model 337 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 Mounting Brackets, Tank, and Drain / Fill Line

Locate tank saddle legs (001-4442K & 001-4442D) as shown in figure 1. Fasten leg 001-4442D to 001-4442K with two 3/8" x 1 1/4" bolts, locks, flats, and nuts at point A.

Secure 001-4442K to the baler using a 3/8" x 1 1/4" bolt, flat, and nut through the existing hole shown at point B on figure 2. Allow the gusset flange lip to rest on top of the baler tongue. Clamp both legs to secure bracket to baler and drill six 9/16" (14mm) on 001-4442K and two 9/16" (14mm) holes on 001-4442D, using the bracket as a guide. Secure the legs to the baler frame with eight 1/2 X 1 1/4" bolts, locks, flats, and nuts. Tighten all hardware.

Locate the legs support bracket (001-4442E). Fasten the support to the baler, in the existing holes, as shown at point C in figure 3. Use two 5/16" x 1" bolts, flats, locks and nuts. Tighten all hardware.

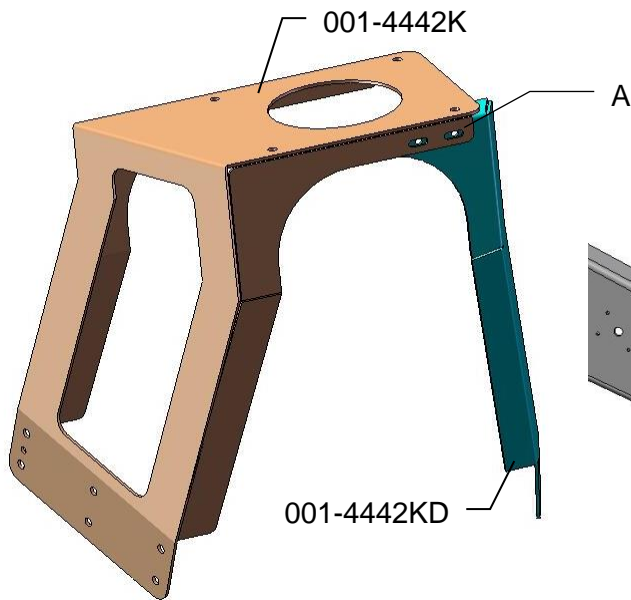


Figure 1

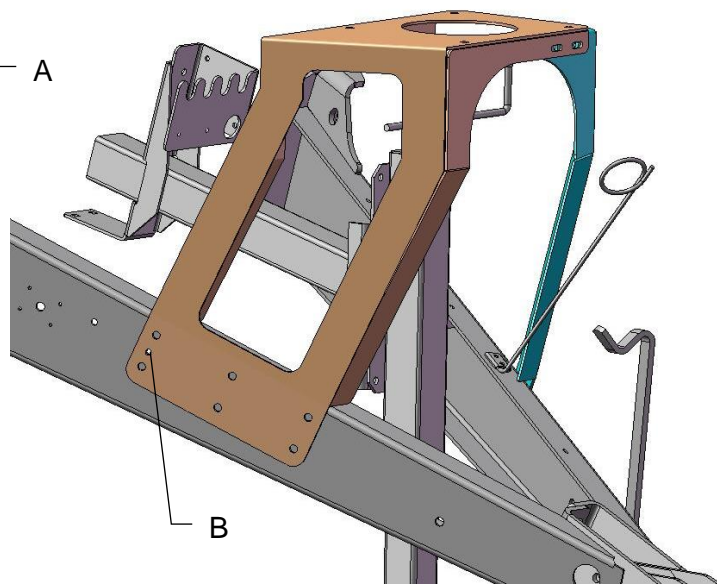


Figure 2

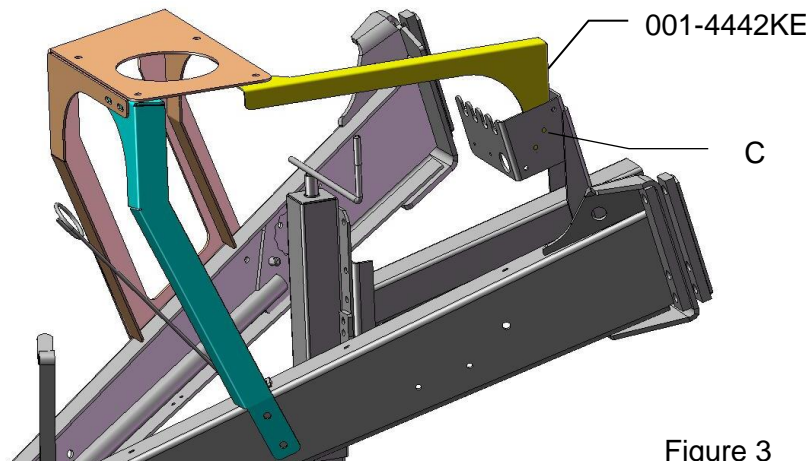


Figure 3

## Installation of Mounting Brackets, Tank, and Drain / Fill Line (continued) - Update

Locate the tank and saddle assembly. Position the tank and saddle so that the side tank fitting is towards the right side of the baler. The additional two weld-nuts on the saddle will then be facing forward as shown in point E on figure 4. Fasten the tank saddle to the frame using four 1/2" x 1 1/4" bolts, locks, flats, and nuts. Tighten all hardware.

Locate the drain/fill 3/4" hose, 3/4" elbow, 3/4" straight fitting, valve, quick coupler and mounting bracket. Thread 3/4" elbow fitting (003-EL3434) into side tank fitting. 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.

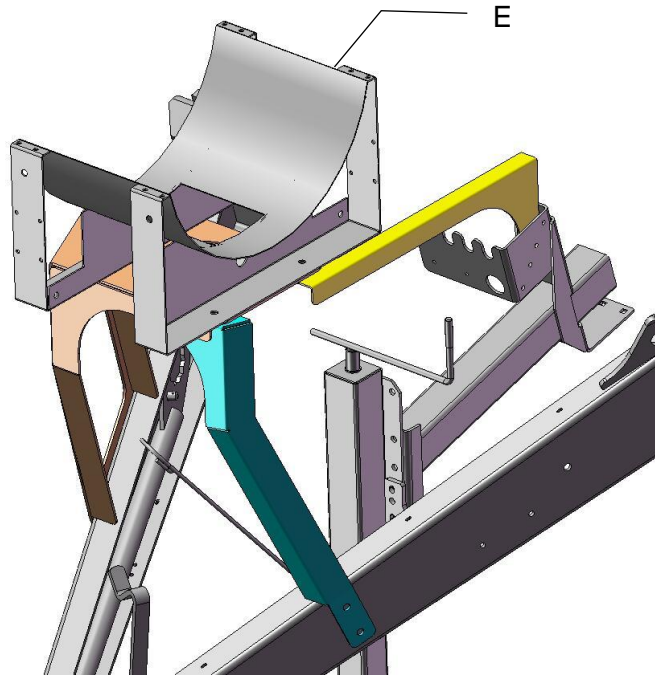


Figure 4

## Mount Pump Plate Assembly

Locate parts bag 8, pump assembly (PMP-3636P) and mounting bracket (001-4648X). Assemble as shown in figure 6. Use two 3/8" x 1-1/4" bolts, locks, and flat washers to the saddle, mount the pump assembly to the tank saddle (001-4442) as shown in figure 7.

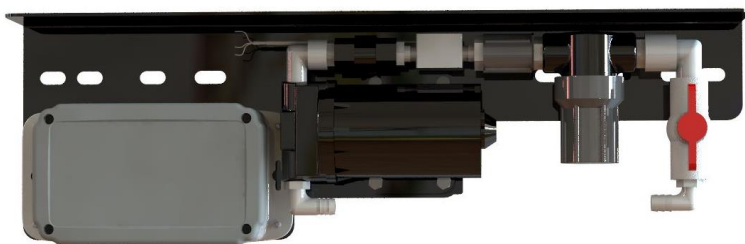


Figure 6



Figure 7

## Placement of Spray Nozzle Assembly

Locate the spray shield holder (001-4704E2) and spray shield (001-4703GK). Center the spray shield holder over the rotor. Clamp the bracket and drill two 7/16" (14mm) holes point F on figure 8. Secure the bracket using two 3/8" x 1 1/4 bolts, locks, flats, and nuts. Tighten all hardware. Install the shield and secure using the two lynch pins (008-4576).

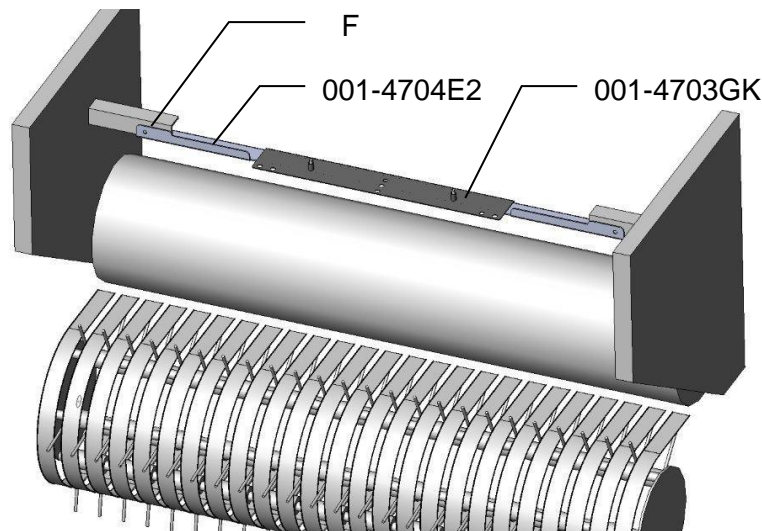


Figure 8

## 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).

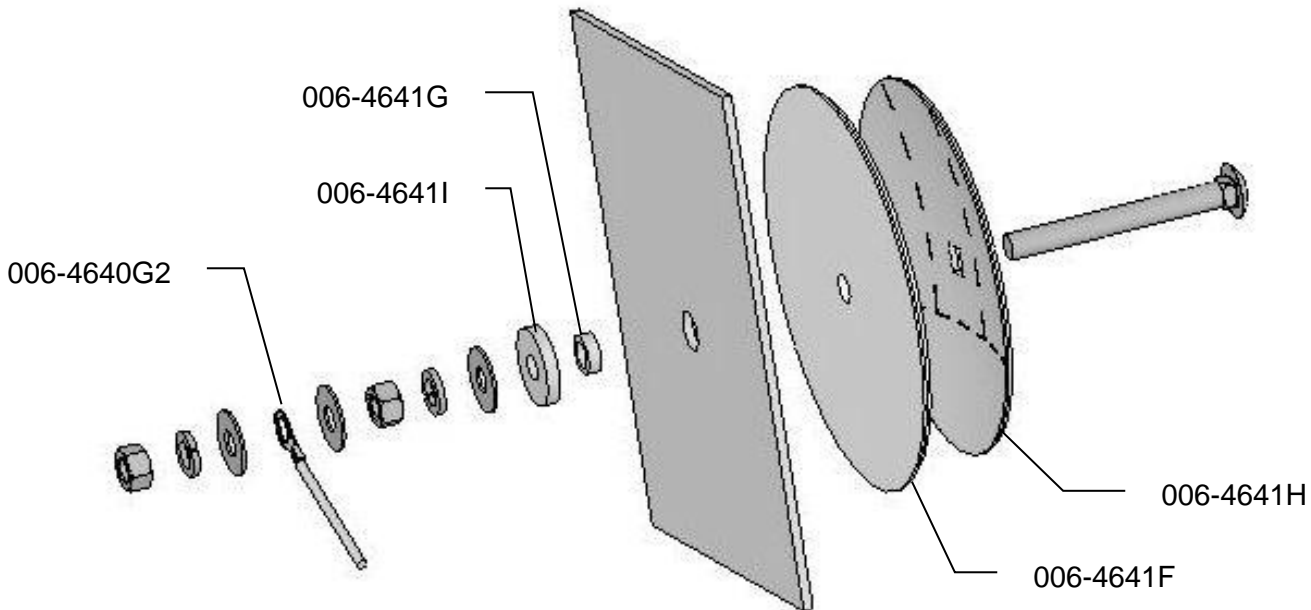
- High (optional) set will cover outputs of 80-800 lbs/hr (36L-363L).

## Installation of Moisture Sensing Pads



Figure 9

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 9).
3. The mounting hole will be 3/4" (3/4") 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 9)



4. Locate the 006-4641G. The piece will need to be cut down to size. Use the already machined line in the bushing to cut off the small piece shown above.
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 harness (006-4640G2) from pump plate area to each disc securing with cable ties.
9. Apply silicone over nuts and washers.

## Installation of Bale Sensor

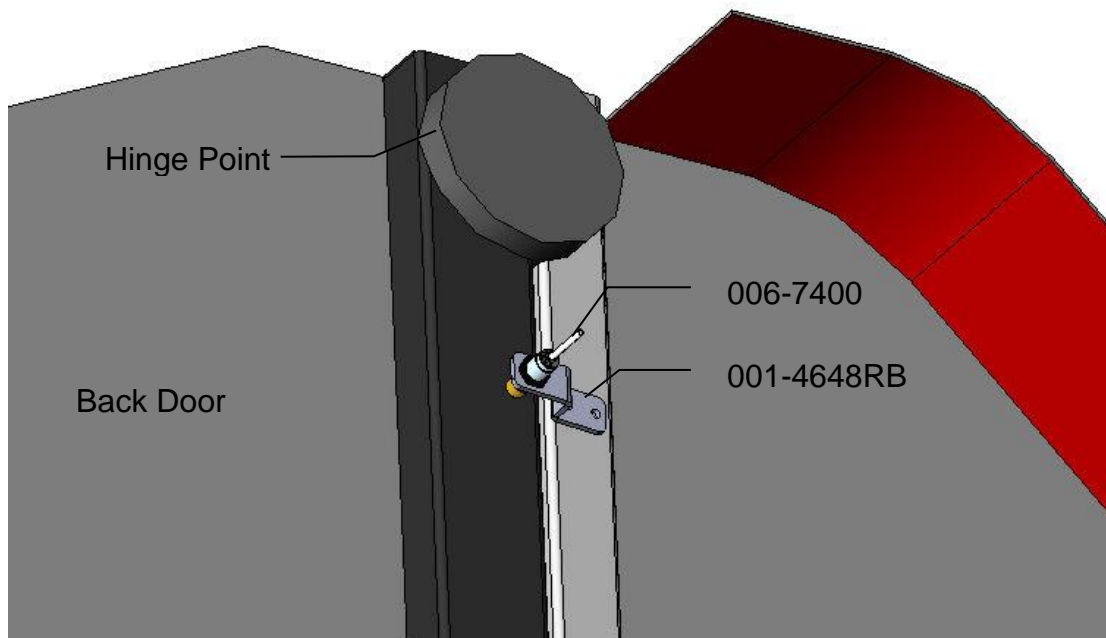
The bale rate timer sensor is used to determine when the baler door is open. With this information the system is able to change the tons/hour automatically (see Operating Instructions, Automatic Mode).

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 →

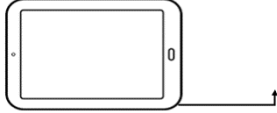


## Installation of iPad Integration Control

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:



## 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 2.7.1 (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.

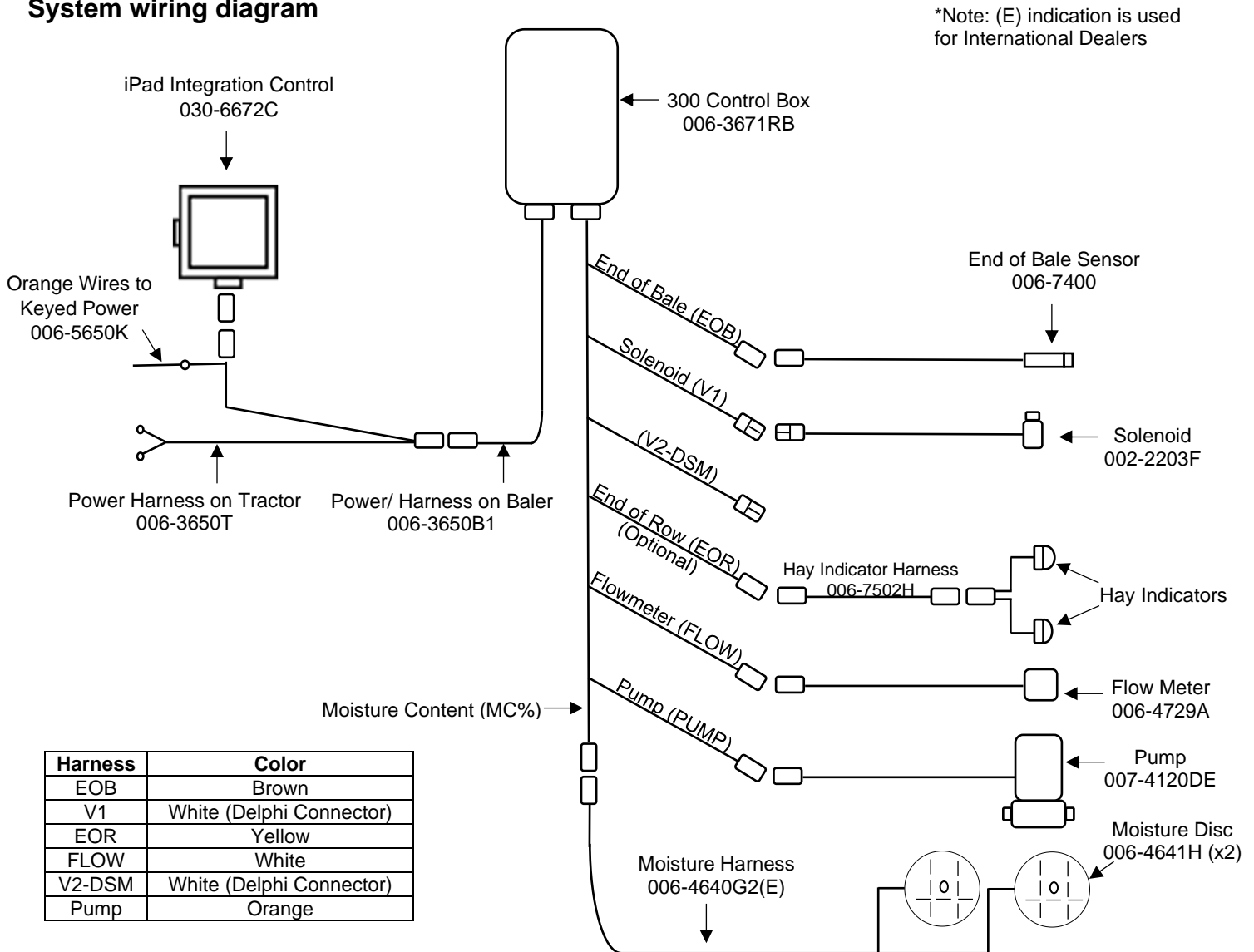
Please note that the use of this accessory with an Apple product may affect wireless performance.

## 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 Bale 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



## 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	



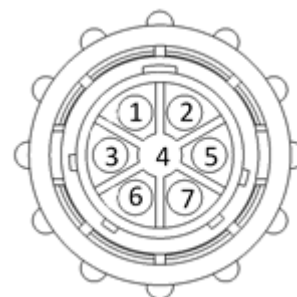
### Power Harness 006-3650B1 at Baler Hitch

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	



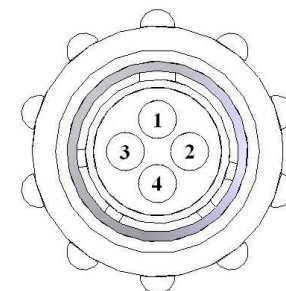
### iPad Integration Control / BLE Receiver on Harness 006-3650T

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	



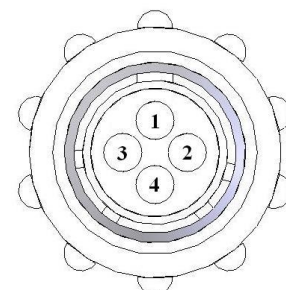
### End of Bale Sensor at 300 Controller Harness

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

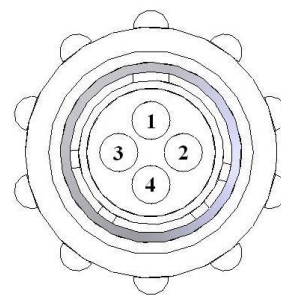
Pin 1	White	+5-12V Power
Pin 2	Brown	Ground
Pin 3	Green	Signal
Pin 4	Not Used	



## Pin Outs (continued)

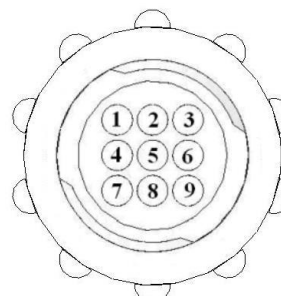
### End of Row Sensor at 300 Controller Harness

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



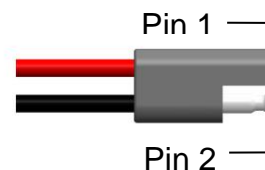
### Moisture Sensor connection at 300 Controller Harness

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



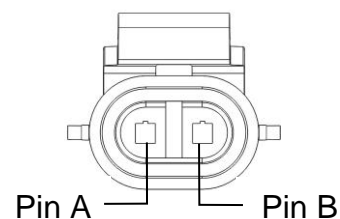
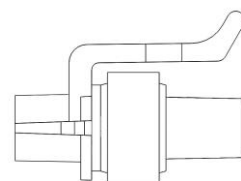
### Pump connection at 300 Controller Harness

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



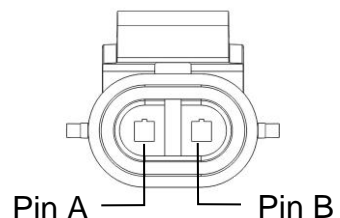
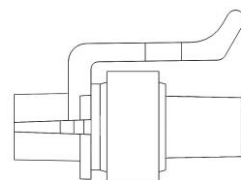
### Solenoid Connection at 300 Controller Harness

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

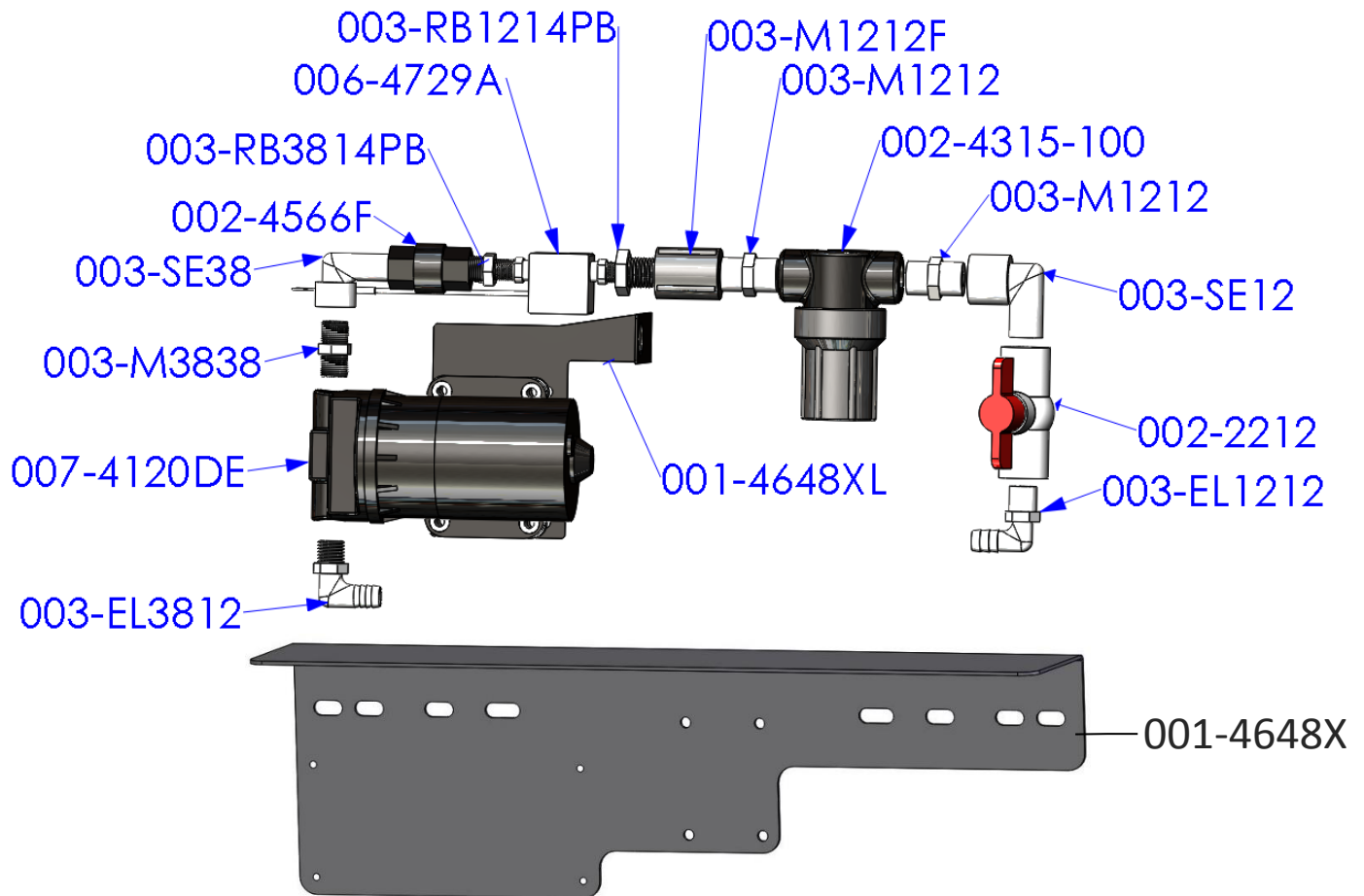


## Model 337 Base Kit



<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	Tank Cap	005-9022C	1	6	Tank mount bracket	001-4442K	1
	Tank Cap Gasket	005-9022CG	1	7	Tank support	001-4442KD	1
2	Tank Strap	001-4402	2	8	Mounting support	001-4442KE	1
3	Tank	005-9022	1				
4	Saddle	001-4442	1		Tank Saddle Kit (1-5)	030-044225-TK	
5	Tank Fitting	005-9100	1		Mounting Kit (6-8)	TMK-337	

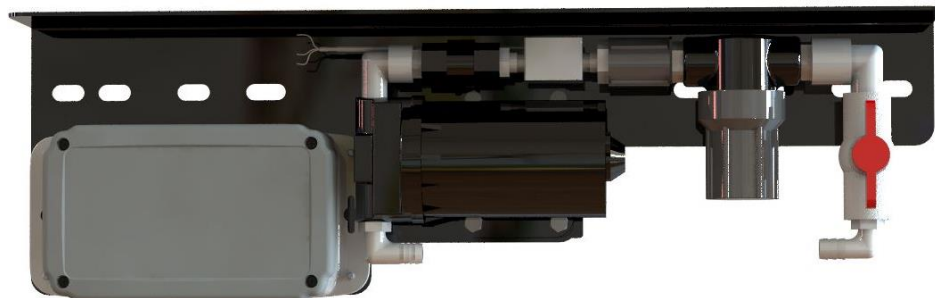
## Parts Breakdown for Pump Assembly



<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
006-4729A	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	

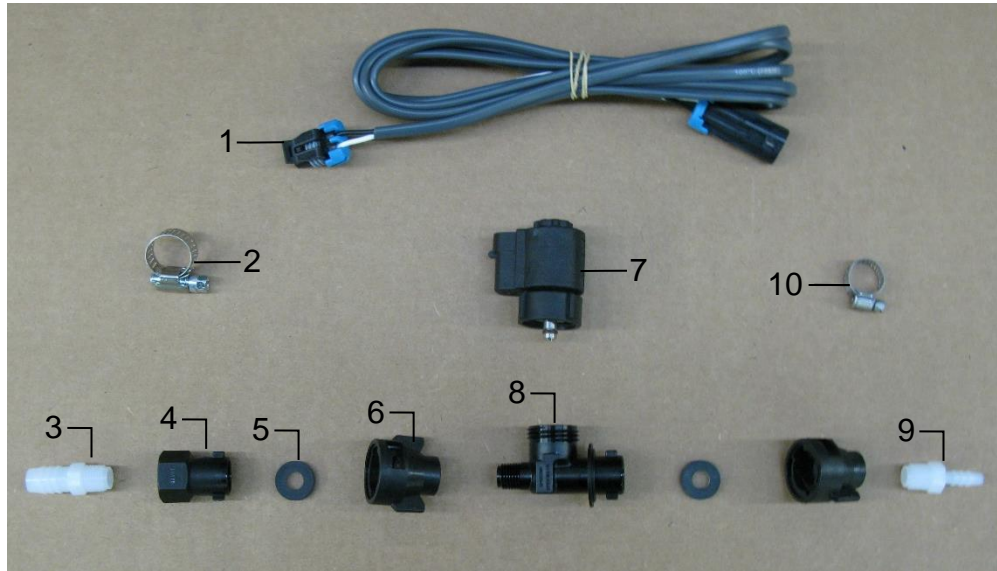
Pump Assembly PMP-3636P (001-4648X Not Included)

## 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.

## 300 Solenoid Packages

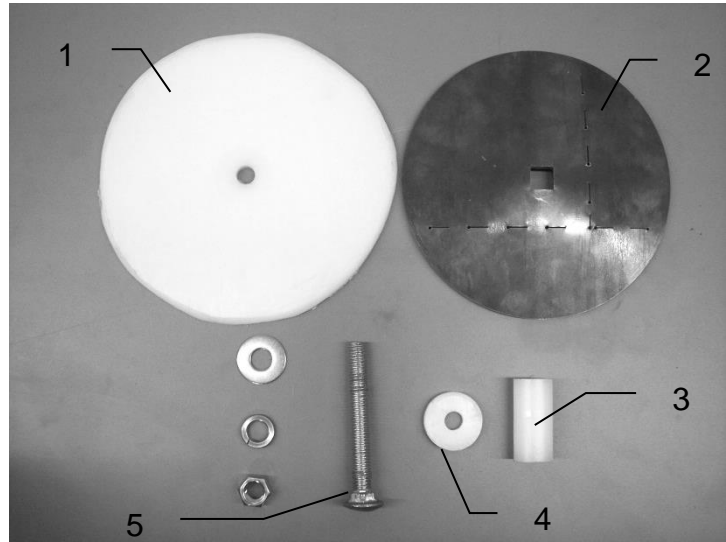
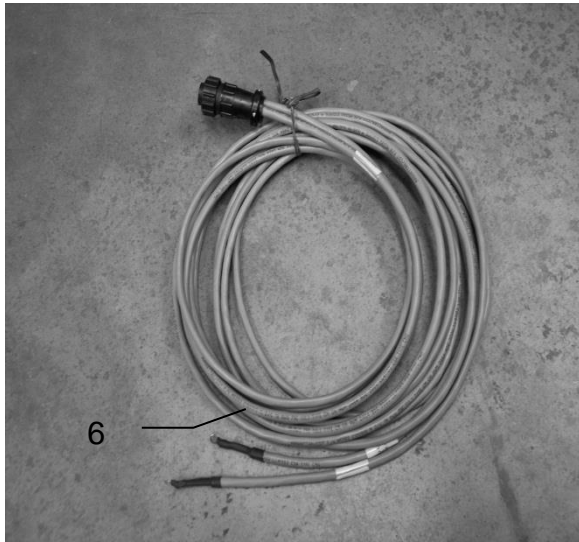


### Solenoid Package A

<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	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 Fitting	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	



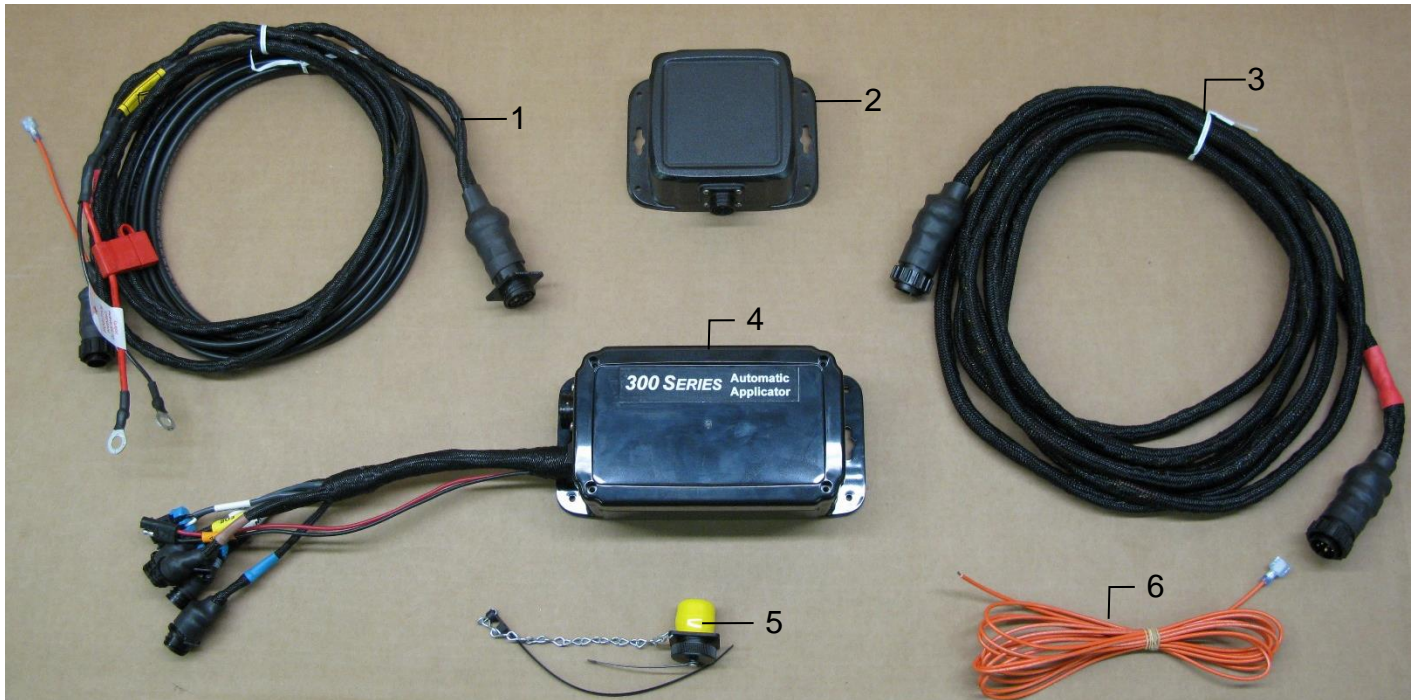
## Moisture Sensors



<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	Plastic Pad	006-4641F	2	4	Plastic Isolator	006-4641I	2
2	Moisture Disc	006-4641H	2	5	1/2X4 1/2" Carriage Bolt	Hardware	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	

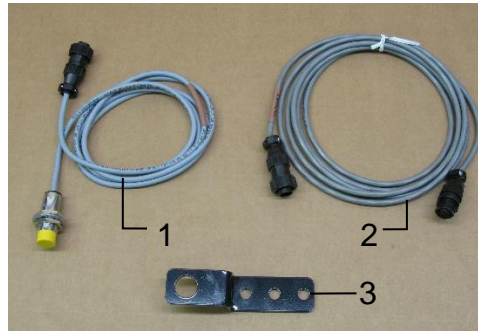


## Control Box and Wiring Harnesses



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
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	

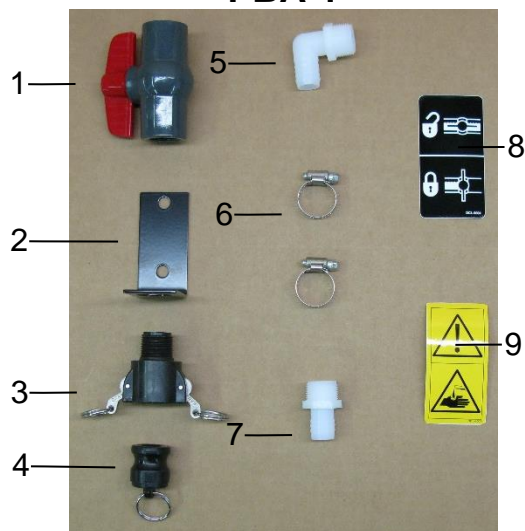
## End of Bale Sensor Kit A



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
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	

## Parts Bag Packages

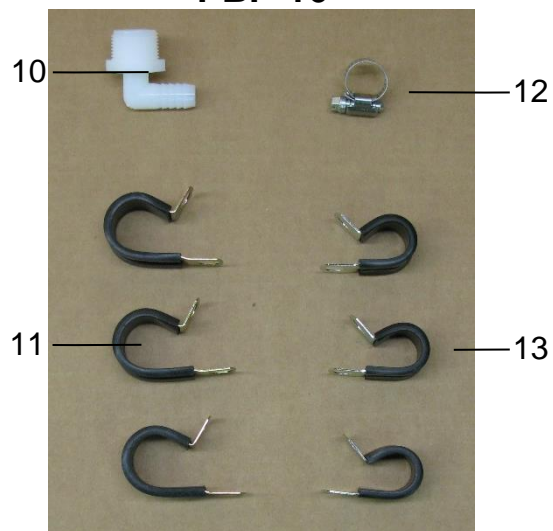
### PBA-1



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
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

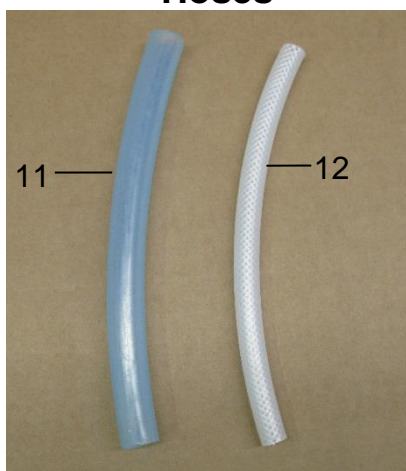
Complete Drain Fill Kit      030-0493DFK

### PBP-16



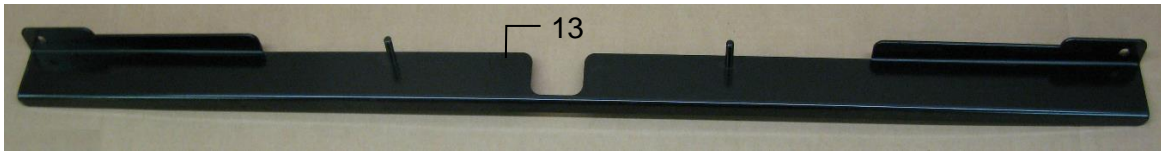
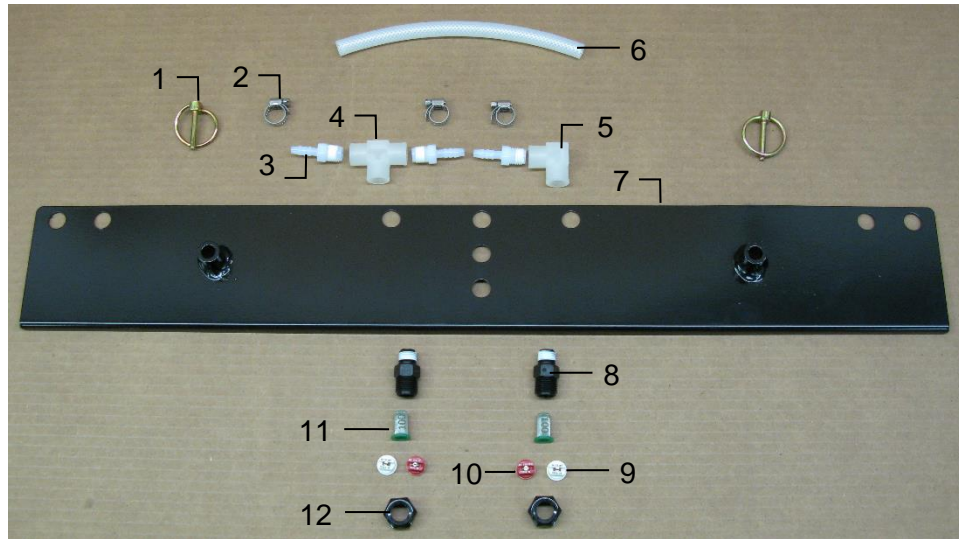
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
10	3/4" x 1/2" Elbow	003-EL3412	1
11	3/4" Jiffy Clip	008-9010	3
12	#6 Hose Clamp	003-9003	1
13	Small Jiffy Clip	008-9009	3

### Hoses



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
11	1/2" Hose (Tank to Solenoid)	002-9001	15ft
12	1/4" Hose (Solenoid to Tips)	002-9016	6ft

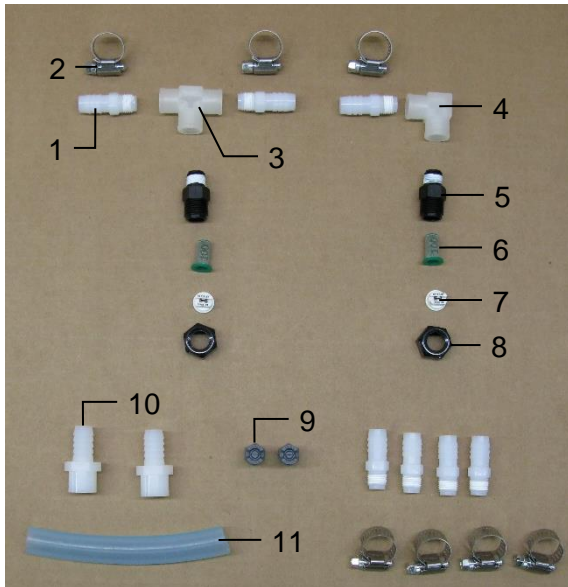
## 337-SO Installation Kit



<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	Lynch Pin	008-4576	2	9	Tip – White	004-XR11004VS	2
2	Mini Hose Clamp	003-9002	3	10	Tip – Red	004-XR11008VS	2
3	1/4" x 1/4" Fitting	003-A1414	3	11	100 Mesh Strainer	004-1203-100	2
4	1/4" Tee Sq	003-TT14SQ	1	12	Nozzle Cap	004-4723	2
5	1/4" Female St Elbow	003-SE14F	1	13	Spray Shield Holder	001-4704E2	1
6	1/4" Braided Hose	002-9016	2ft		Complete Assembly	030-0337-SO	
7	Spray Shield	001-4703GK	1		* Tip color subject to change		
8	Nozzle Body	004-4722	2				



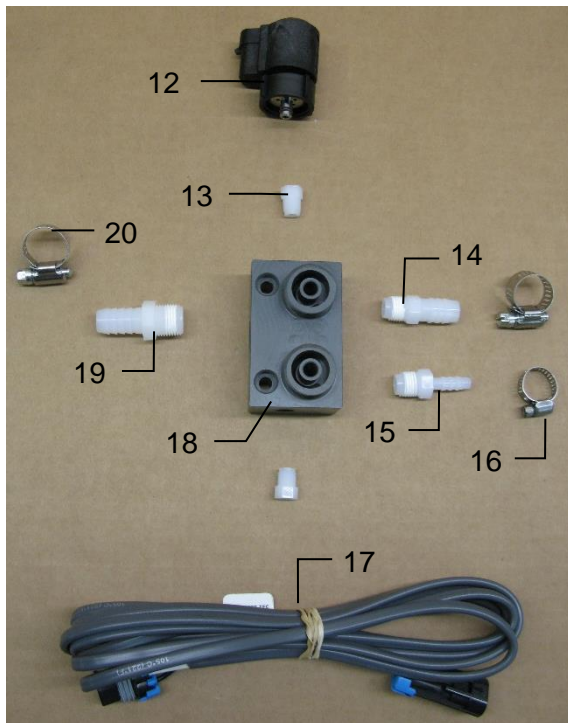
## Optional High Output Kit (300RBHTK)



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	1/4" x 1/2" Straight Fitting	003-A1412	7
2	#6 Hose Clamp	003-9003	7
3	1/4" Tee	003-TT14SQ	1
4	1/4" Sq Elbow	003-SE14F	1
5	Nozzle Body	004-4722	2
6	Tip Screens	004-1203-100	2
7	High Output Tip – White	004-XR11008VS	2
8	Nozzle Body Cap	004-4723	2
9	High Output Tip – Grey	004-T8008-PT	2
10	1/4" x 1/2" Sq Fitting	003-A1412F	2
11	1/2" Hose	002-9001	6ft

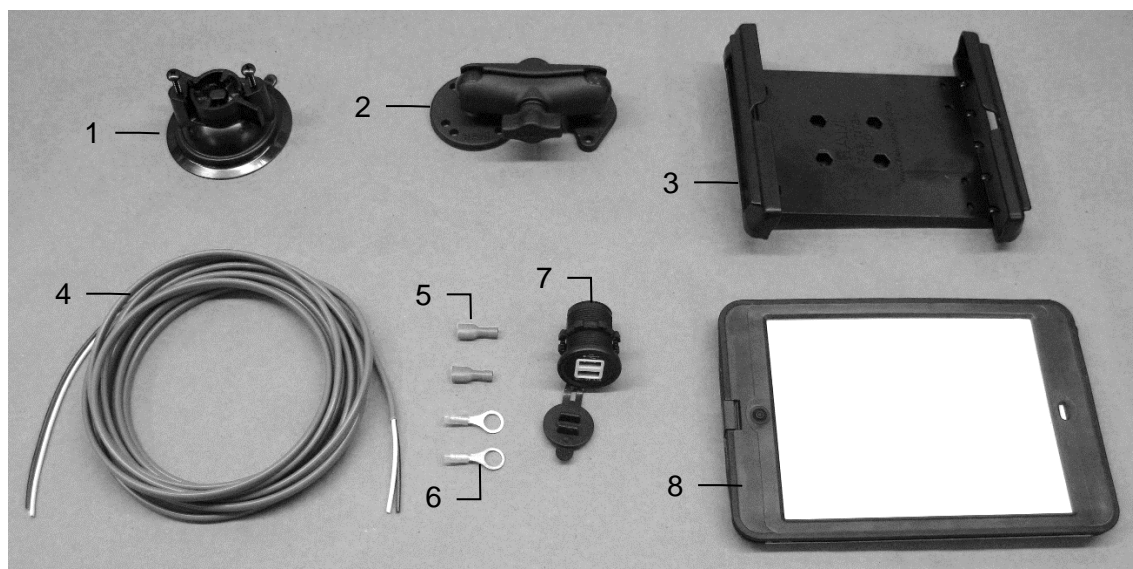
\* Tip color subject to change

## High Output Solenoid (Included with 300RBHTK Kit)



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
12	Solenoid	002-2203F	1
13	1/8" Plug	003-F18	2
14	1/4" x 1/2" Straight Fitting	003-A1412	1
15	1/4" x 1/4" Straight Fitting	003-A1414	1
16	#4 Hose Clamp	003-9002	1
17	Solenoid Harness	006-3650-S2	1
18	Solenoid Block	004-1207VFB	1
19	3/8" x 1/2" Straight Fitting	003-A3812	1
20	#6 Hose Clamp	003-9003	2

## 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)	

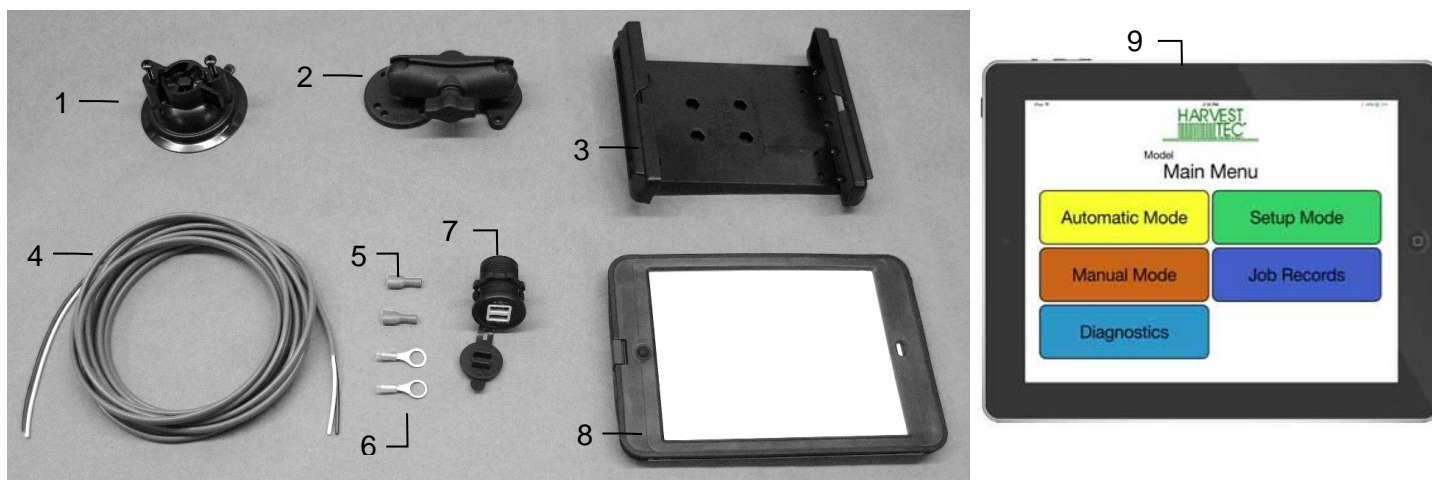
### Installation Instructions

- 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).

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.

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

## **Harvest Tec LLC. Warranty and Liability Agreement**

Harvest Tec, LLC. will repair or replace components that are found to be defective within 12 months from the date of manufacture. Under no circumstances does this warranty cover any components which in the opinion of Harvest Tec, LLC. have been subjected to negligent use, misuse, alteration, accident, or if repairs have been made with parts other than those manufactured and obtainable from Harvest Tec, LLC.

Our obligation under this warranty is limited to repairing or replacing free of charge to the original purchaser any part that in our judgment shows evidence of defective or improper workmanship, provided the part is returned to Harvest Tec, LLC. within 30 days of the failure. If it is determined that a non-Harvest Tec branded hay preservative has been used inside the Harvest Tec applicator system where the failure occurred, then Harvest Tec reserves the right to deny the warranty request at their discretion. Parts must be returned through the selling dealer and distributor, transportation charges prepaid.

This warranty shall not be interpreted to render Harvest Tec, LLC. liable for injury or damages of any kind, direct, consequential, or contingent, to persons or property. Furthermore, this warranty does not extend to loss of crop, losses caused by delays or any expense prospective profits or for any other reason. Harvest Tec, LLC. shall not be liable for any recovery greater in amount than the cost or repair of defects in workmanship.

There are no warranties, either expressed or implied, of merchantability or fitness for particular purpose intended or fitness for any other reason.

This warranty cannot guarantee that existing conditions beyond the control of Harvest Tec, LLC. will not affect our ability to obtain materials or manufacture necessary replacement parts.

Harvest Tec, LLC. reserves the right to make design changes, improve design, or change specifications, at any time without any contingent obligation to purchasers of machines and parts previously sold.

Revised 4/17

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