Installation Manual

Model 747C
55 gallon Preservative Applicators

HARVEST TEC
Equipment and Products for Quality Hay.™

P.O. Box 63 • 2821 Harvey Street • Hudson, WI 54016
800-635-7468 • www.harvesttec.com

747C-23-INST-Imp&Metric
10/23

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 innoculants onto forage crops.
MODEL: 747C-23-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 747C Installation Table of Contents

Introduction

Congratulations and thank you for purchasing a Harvest Tec Model 747C 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

Tools Needed

- Standard socket set
- Standard screw drivers
- Side cutter
- Hose cutter
- Crescent wrench
- Hammer
- Metal drilling and cutting tools
- Center Punch

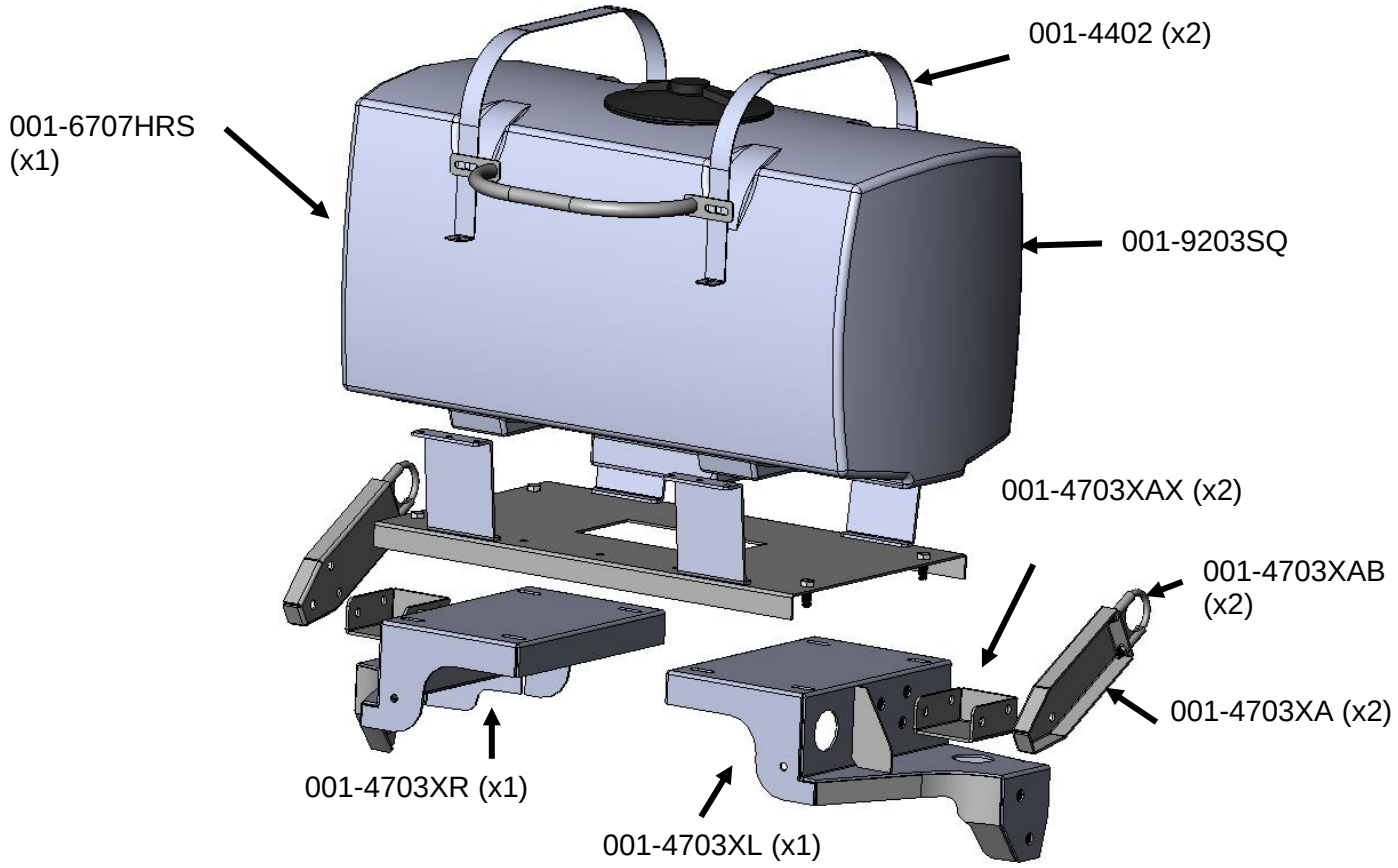
Installation of Applicator

Tank and Saddle Installation

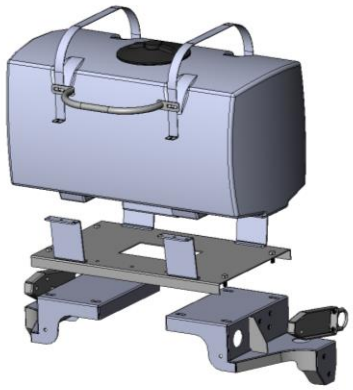
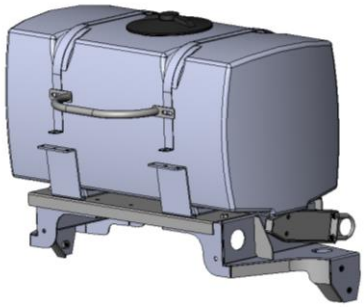
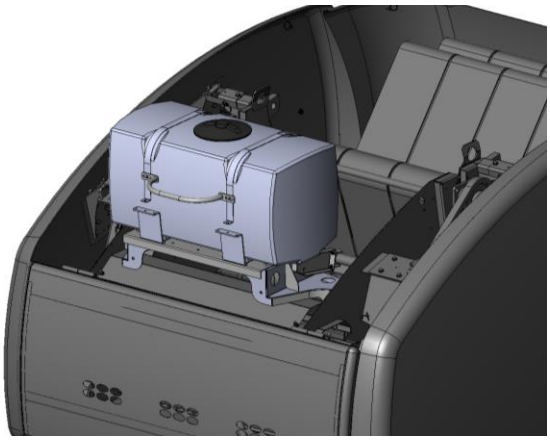
1. Locate the left saddle leg, 001-4703XL, and mount to left side sheet of baler using two 1/2" x 1-1/2” hex bolts, 1/2" lock washers, and 1/2" flat washers. Do not fully tighten.
2. Locate the right saddle leg, 001-4703XR, and mount to right side sheet of baler using two 1/2" x 1-1/2” hex bolts, 1/2" lock washers, and 1/2" flat washers. Do not fully tighten.
3. ***Roll Belt 460 / 560 and RB465 Installation only!*** Locate the two anchor extension brackets, 001-4703XAX, and attach one extension bracket to the outside of each leg with two 1/2"x 1-1/2” hex bolts, 1/2" lock washers, and 1/2" flat washers.
4. Locate the anchor bracket, 001-4703XA, and attach to the side of the extension bracket, 001-4703XAX for 4 X 6 balers (or 001-4703XR and 001-4703XL for other balers) using two 1/2" x 1-1/2” hex bolts, 1/2" flat washers, 1/2" lock washers, and 1/2" hex nuts. Do not fully tighten. Note that 001-4703XA should be positioned so it is angled toward the round pipe that runs across the width of the baler behind the legs. Repeat procedure for the opposite side.
5. Locate the u-bolts, 001-4703XAB, and attach the 001-4703XA brackets to the round pipe running across the baler. Tighten the u-bolts evenly. ***Due to minimal clearance between the anchor bracket and the side sheet, use a deep socket and long extension on a ratchet to tighten u-bolts.*
6. With the u-bolts, 001-4703XAB, securely tightened around the round pipe, tighten the bolts connecting the anchor brackets, 001-4703XA, to the saddle legs, 001-4703XL & 001-4703XR.
7. Tighten the hardware attaching the saddle legs, 001-4703XL & 001-4703XR, to side sheets of the baler.
8. Install the tank assembly (tanks, straps, handrail, and saddle pan) on the legs. Secure the saddle pan, 001-4703X, to the saddle legs with 1/2" flat washer, 1/2" lock washer, and 1/2" hex nut from the bottom side in four locations. Tighten hardware.

*****001-4703XAX (x2) are <u>ONLY</u> used on 4x6 models***

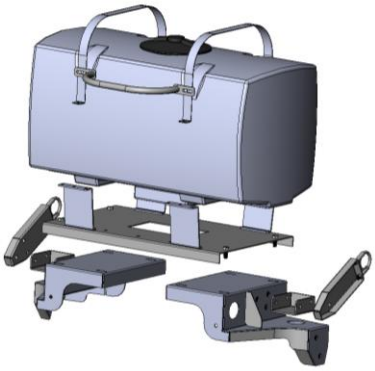
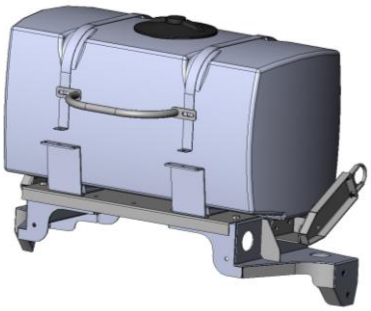
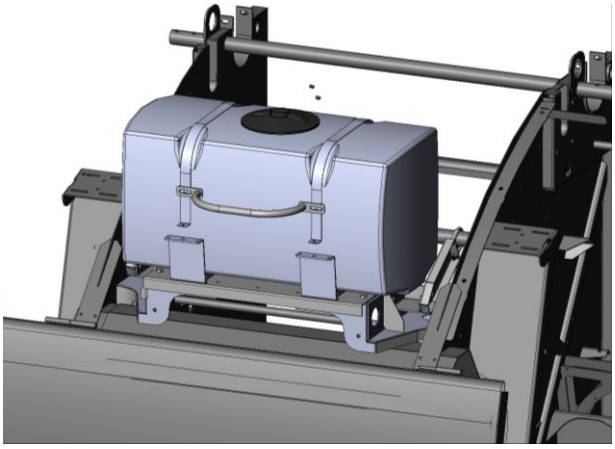
Figure 1



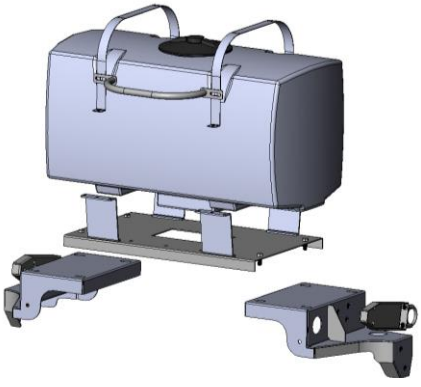
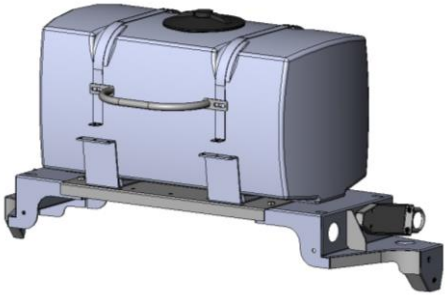
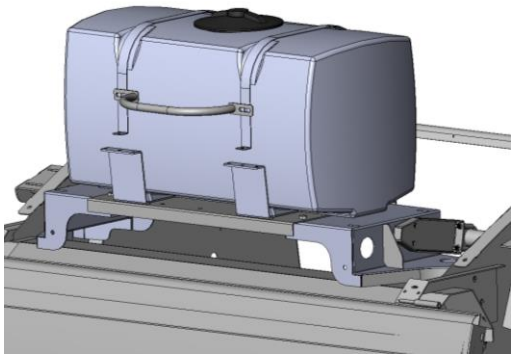
4x5 Baler Expanded

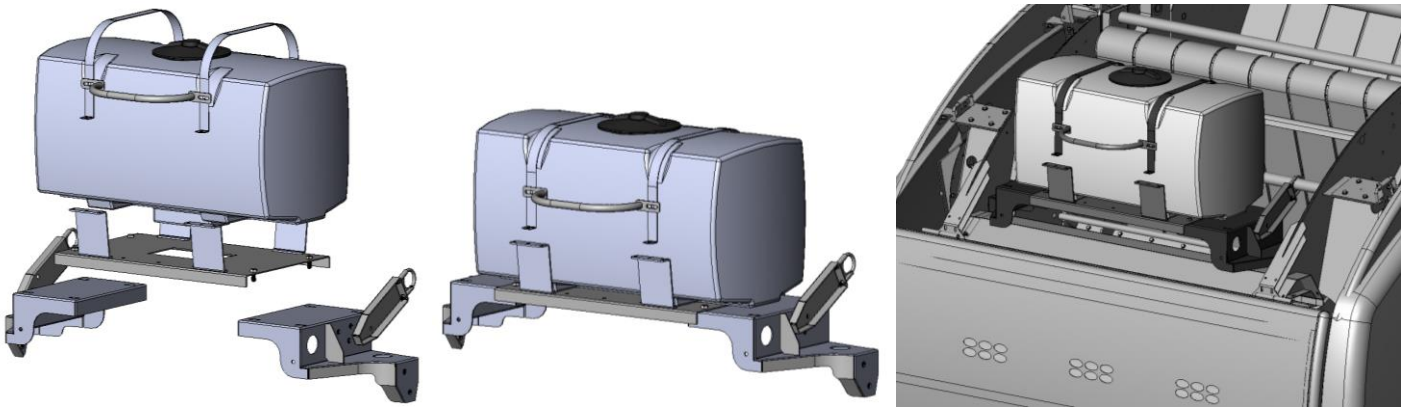
4x6 Baler Expanded

5x5 Baler Expanded

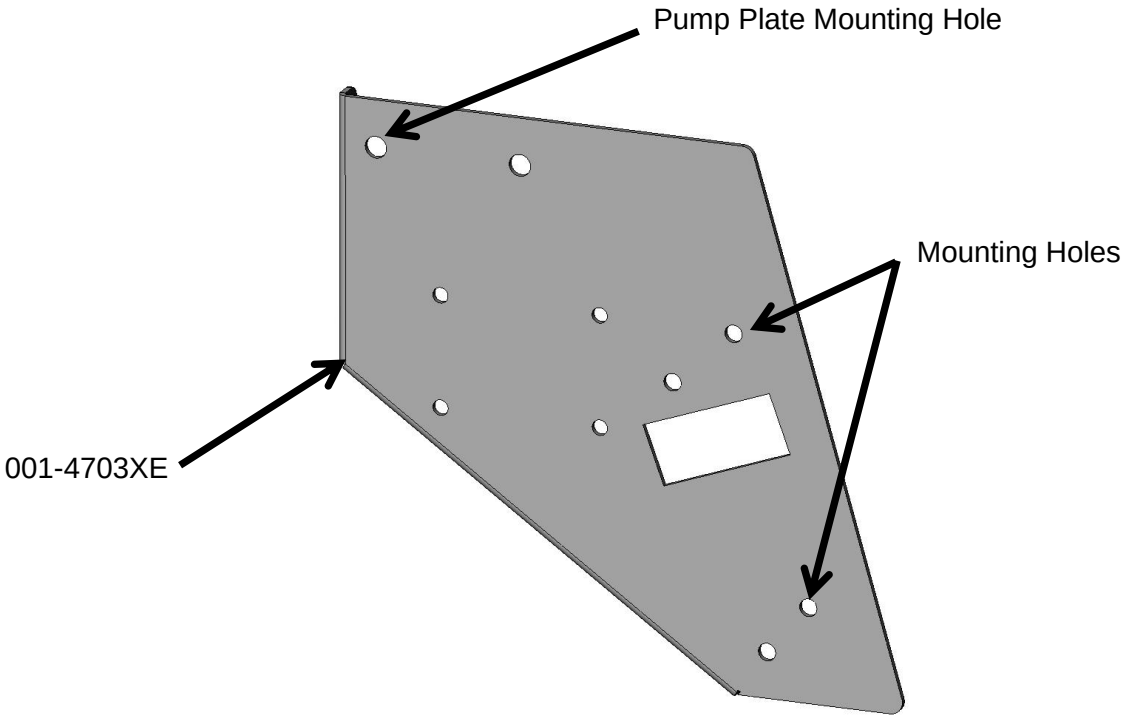




5x6 Baler Expanded



Installation of Pump Manifold
Mounting Front Pump Plate Support

Figure 2

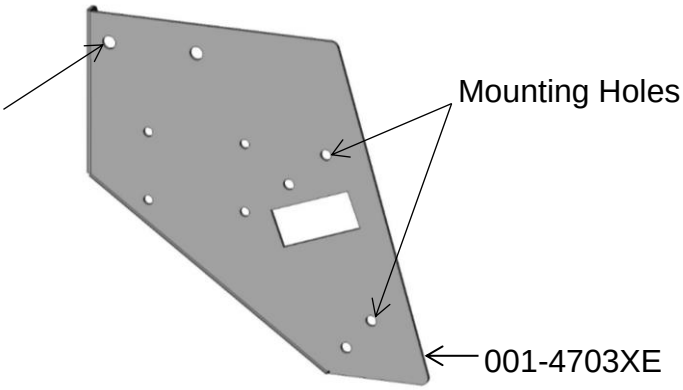


1. Open right side door of baler.

2. Locate mounting holes for your size baler in bracket (001-4703XE). Mount bracket to pre-stamped square holes on diagonal support structure of baler. Note pictures on following pages will help in locating the pre-stamped holes on your baler. Secure with two M8 x 25mm carriage bolts and flanged nuts.

Installation of Control Manifold

Pump Plate
Mounting Hole



2. Use 3/8” x 3/4” hex bolt, flat washers, lock washers, and nuts to secure Pump Plate Bracket (001-4703XF) to back side of Pump Mounting Bracket (001-4648X). Use holes 1 or 3 as designated in Figure 3 on the Pump Plate Bracket (001-4703XF). Slide the Pump Plate Bracket (001-4703XF) so it touches the door support bracket.

Mounting Rear Pump Plate Support

Mounting bracket 001-4703XF (right) will be used to mount the pump mounting bracket to the door support bracket. However each size baler uses a different set of holes in the rear mounting bracket. Use this guide for proper mount holes with your baler: Secure with two M8 x 25mm carriage bolts and flanged nuts (Figure 1).

Baler	Pump Plate	Door Bracket
4 x 5	1	D & E
5 x 5	1	C & E
4 x 6	3	A & B
5 x 6	3	A & E

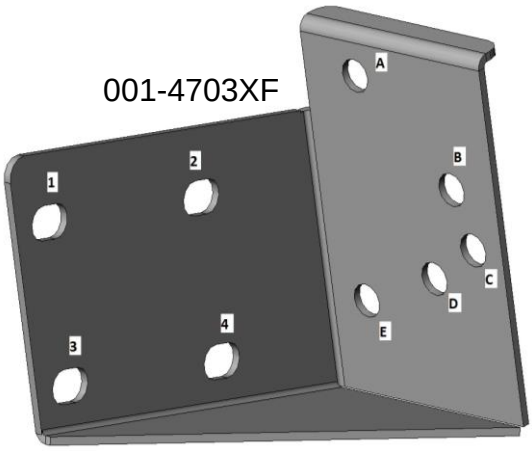


Figure 3

3. Place a level on top of the Mounting Plate (001-4648X) to make sure it is level. Using the Pump Plate Bracket (001-4703XF) as a guide mark holes (D and E) on the door support bracket. Remove brackets (001-4703XF and 001-4648X) for drilling. Center punch holes and drill with a 7/16” drill bit.

4. Once holes are drilled secure (001-4703XF) to door support bracket with two 3/8” x 3/4” hex bolts, flat washers, lock washers, and nuts figure 4.

5. Attach pump plate back onto brackets (001-4703XF and 001-4703XE) with 3/8” hardware.

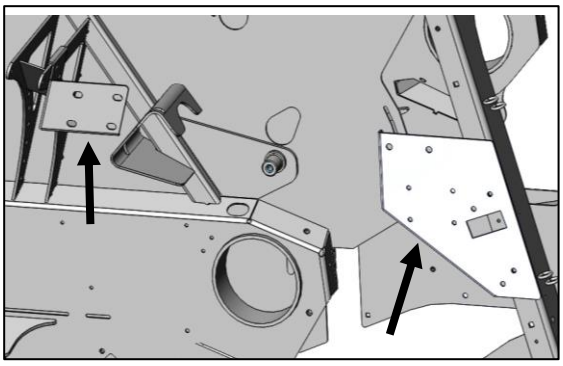


Figure 4

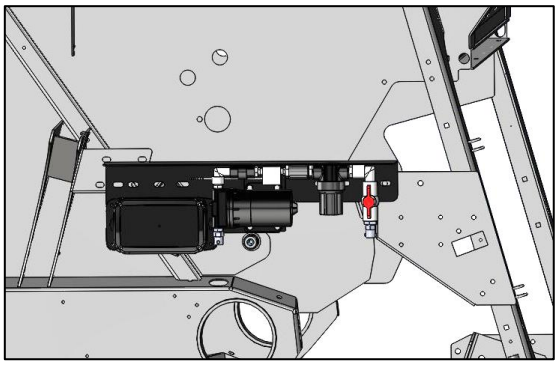


Figure 5

Installation of Moisture Sensor Pads and Disks

1. Open rear tail gate of baler and lock in the up position. Refer to baler manual to lock door open.
2. Remove bale shaping discs on each side of chamber by grinding welds. Once removed grind any remaining welds so sides of bale chamber are smooth.
3. Place plastic isolator (006-4641FX) in the same spot that the shaping disc had been. There should be a hole in the baler that matches up with the hole in the plastic isolator. If not, use the isolator as a template and mark the hole. Center punch the hole and drill it to 3/4" (19mm). Note: before drilling make sure you are not drilling into sensitive equipment on the outside of the baler. Drill through the complete square tube, 2” (51mm) in size. Repeat for other side of the baler.
4. Insert plastic bushing (006-4641G) from the outside of baler. Make sure it is flush with the outside of the baler frame. Go to the inside of the baler and mark amount that protrudes into the chamber. Remove and cut off excess material. Repeat for other side.
5. Using 4” (102mm) carriage bolt slide the parts on in following order: metal disc (001-4641HX), plastic isolator (006-4641FX) and shortened plastic bushing (006-4641G).
6. Insert disc assembly into 3/8” (10mm) hole from inside of bale chamber. Secure to outside of baler by attaching to the protruding carriage bolt in the following order: small isolator (006-4641), 1/2” D shaped washer, 1/2” lock washer, 1/2” jam nut. Tighten down and repeat for the other side. Make sure no part of the bolt or hardware makes contact with the frame of baler-no metal to metal.
7. Route moisture harness (006-7307RB2) from processor down to the carriage bolt on each side. Make sure it does not come in contact with any moving parts. Secure with cable ties.
8. Attach moisture cable to moisture carriage bolt by placing items in the following order: 1/2” D shaped washer, Ring terminal of moisture harness (006-73307RB2), second 1/2” D washer, 1/2” lock washer, 1/2” Jam Nut. Tighten down and repeat for other side. Make sure none of the hardware comes in contact with the frame of the baler.

*If there are Rotor Transition Kit (CNH part# 48093991) transition plates installed, they will need to be removed in order to install the moisture discs.

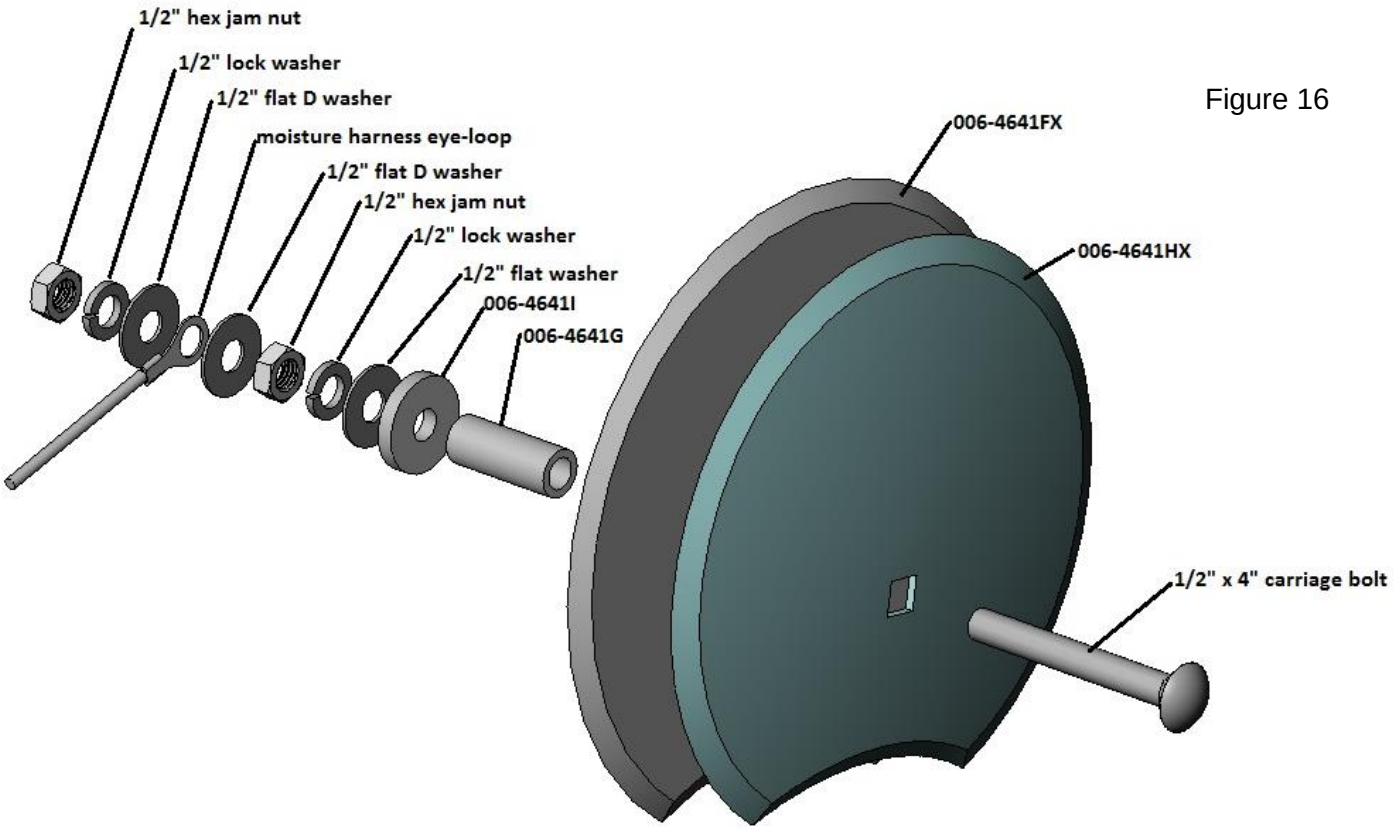


Figure 16

Installation of Moisture Sensor Pads and Disks (continued)

OSR (over-shot)

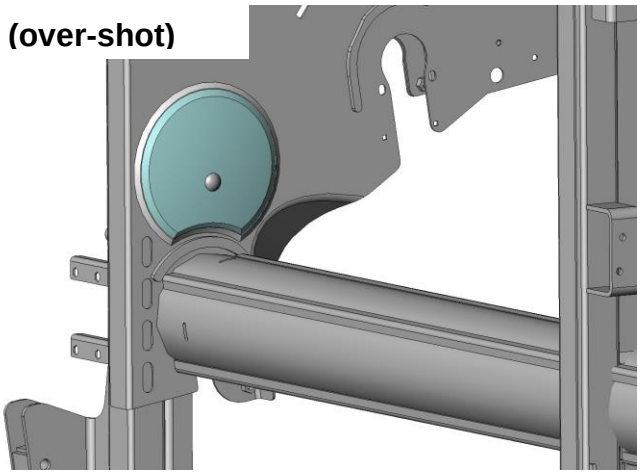


Figure 17

USR (under-shot rotor)

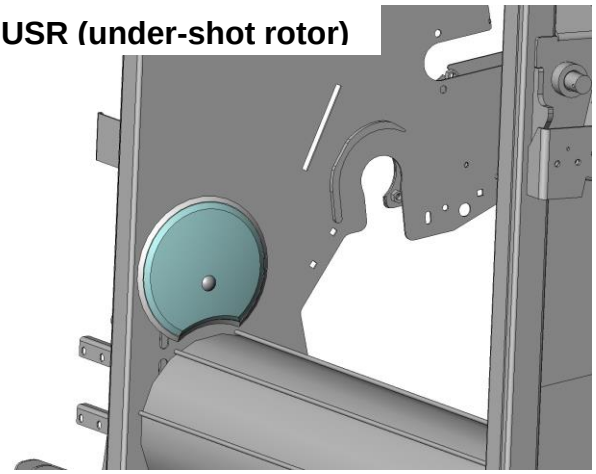


Figure 18

Installation of Drain / Fill Kit

Locate parts bag 1. 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. Locate the two holes on the baler's angled support bracket that line up with the holes in the valve bracket and attach using two 5/16" x 1" self-tapping screws and secure with two 5/16" flange nuts. Connect valve assembly to other end of hose. Place hose clamps on both ends. Install supplied safety decals (DCL-8001 & DCL-8005) next to the ball valve assembly.

*Secure hose to frame using cable locks**.**

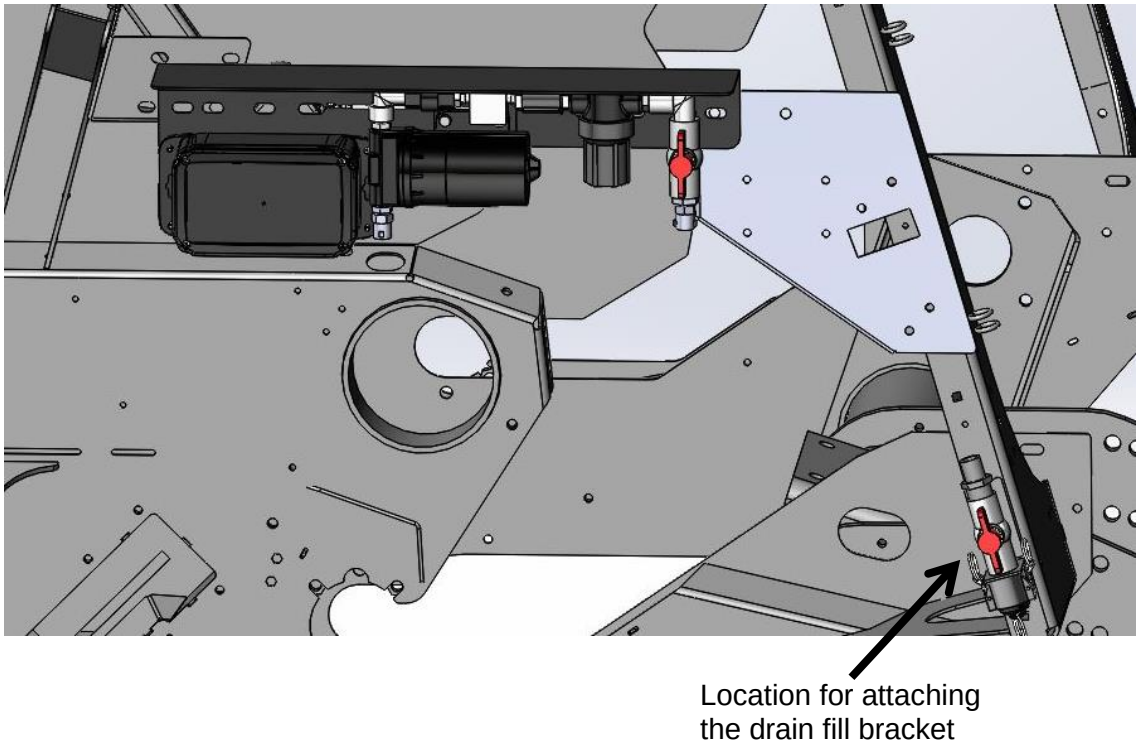


Figure 19

Installation of End of Bale Sensor

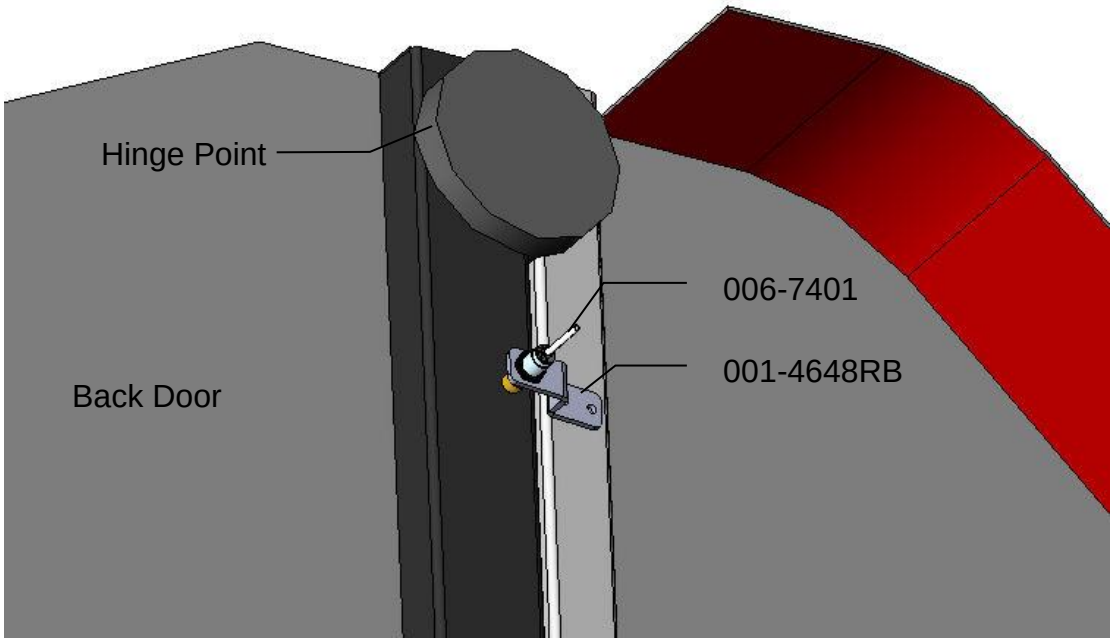
The bale rate timer sensor is used to determine when the baler door is open. With this information the system is able to change the tons/hour automatically (see Operating Instructions, Automatic Mode).

Locate the sensor (006-7401) 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 (006-7401EXT) may need to be used.



View of the right side of baler

Front of baler

Installation of the Spray Nozzles

a. Locate nozzle block hanger assemblies with tips pre-installed.
b. The assembly with the tee fittings will be mounted to the right hitch support plate when standing next to the PTO just in front and under the large round cross support tube. Use 1/2” x 1 1/4” Bolt, flat washer, lock washer, and nut to secure to baler. Repeat for assembly on the other side.
c. Loosen Philip screw on nozzle block and turn them slightly in toward each other.
d. Measure distance between hose barb fitting and cut the hose to that length. Attach to the nozzle assembly and secure them with hose clamp. For roto-cutter models with hydraulic lines- hosing may need to be routed either above or below the hydraulic lines to allow for proper nozzle placement. Hydraulic lines, secured by factory plastic zip ties, may need to be adjusted to accommodate hose routing for proper nozzle angle placement.

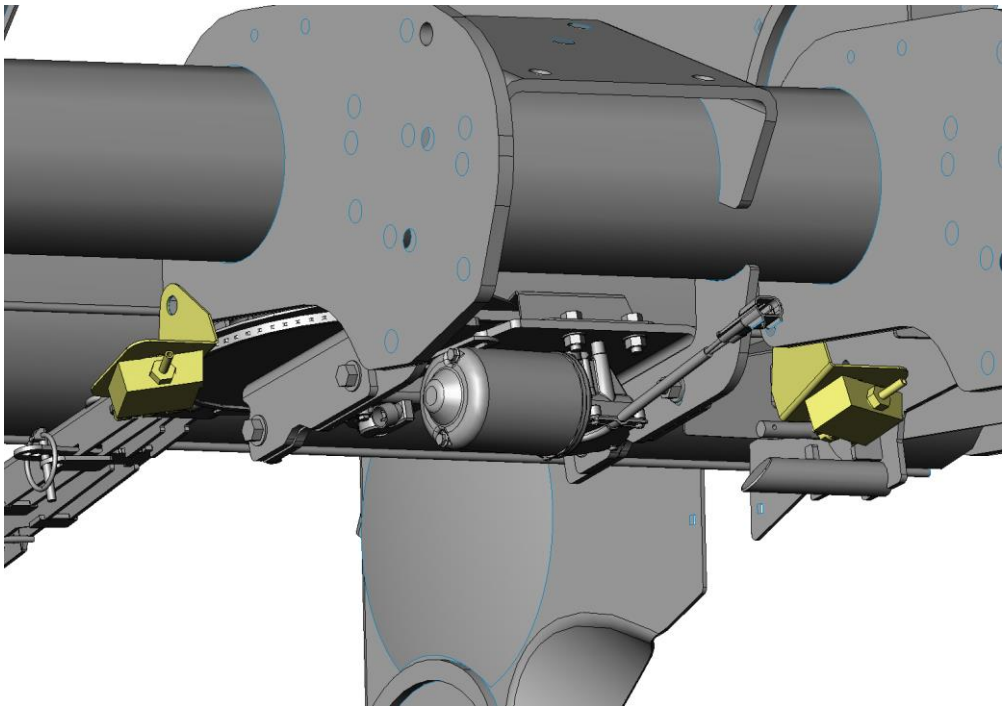


Figure 20

****Refer to Tip Output under APPLICATION RATE of the control unit to calibrate system.**

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-B). 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. Standard and High Output Tips
The applicator comes with one set of tips standard (low tips). Optional High Output Tip Kit 700RBHTK can be added to the applicator to increase output capacity.

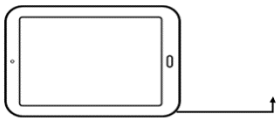
-The Standard (low) tip set will cover outputs of 16- 460 lbs/hr (7-198 L/hr).
-The High Output tip set will cover outputs of 24- 700 lbs/hr (10-300 L/hr).

Installation of ISO Communication Module (ICM)

Locate a safe location in the cab of the tractor to place the ISO Communication Module (ICM) (006-6673). Recommended location is securely fastened out of the operator's way in a location that is close enough to reach with a iPad/Tablet communication cord if needed.

Connect the Tractor Power Harness (006-765IC) to the receiver.

To operate the applicator with an iPad or Android Tablet, plug a compatible communication cable for your device into the communication USB port indicated by the symbol below:



ICM Module Light Signals

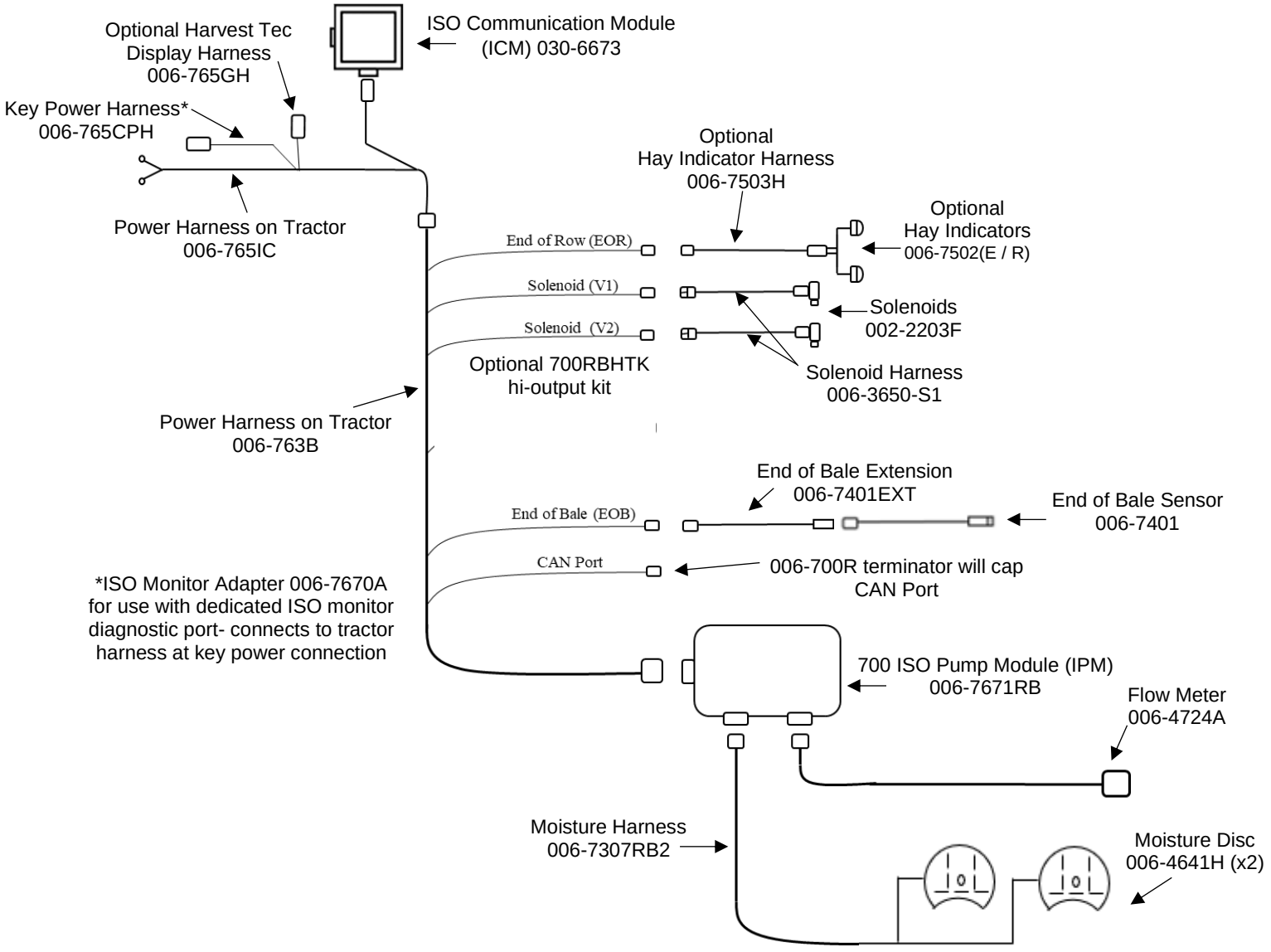
Green Double Blink – Indicating the module has power and is initiating startup.

Green Slow Blink – Power supplied to the unit and is communicating with IPM control on baler. This also shows that the ICM is communicating with an iPad, if used.

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

Wiring Diagram – 736K, 739K, 747C, & 747P Models

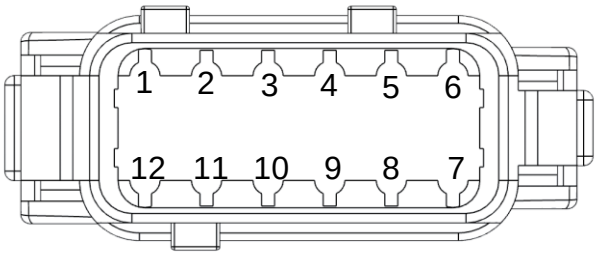
1. Connect the power harness (006-765IC) to the tractor battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.
    a. **The power harness must be connected to the battery!**
        i. **CONTACT HARVEST TEC BEFORE MODIFICATIONS.**
        ii. **The unit 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 (006-765IC) will run from the tractor battery to the hitch. The power harness on the baler (006-763B) will connect to the tractor power harness (006-765IC) at the hitch.
3. Connect the keyed power wire (006-765CPH) to a keyed power source on the tractor.
    a. **The keyed power wire must connect to a keyed source or the unit will not power up correctly.**
4. Attached the ISO Communication Module (006-6673) to the tractor power harness (006-765IC).
5. Attach the End of Bale (EOB) connection on baler harness (006-763B) to the EOB Sensor (006-7401).
6. Attach the Solenoid (SOL 1) connections on the baler harness (006-763B) and to the solenoids (002-2203F).
7. Attach the Flowmeter (006-4724A) to the Pump Module connection on pump plate assembly.
8. Attach the rubber molded connector on pump plate to the Pump (007-4120DE).
9. Attach moisture disc harness (006-7307RB2) connection to the IPM and connect to Moisture Discs
10. Ensure 006-700R terminator is connected to CAN/IDM port on 006-763B harness



Pin Outs

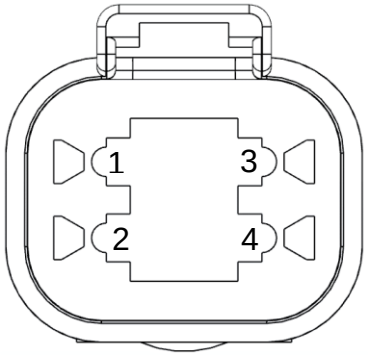
Integrated Control Module (ICM) on Tractor Harness 006-765IC
(Deutsch Plug Number: DTM06-12SA)

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 Expansion 1
Pin 10	Gray	GPS Expansion 2
Pin 11	Brown	GPS Expansion 3
Pin 12	Black	Ground from ECU



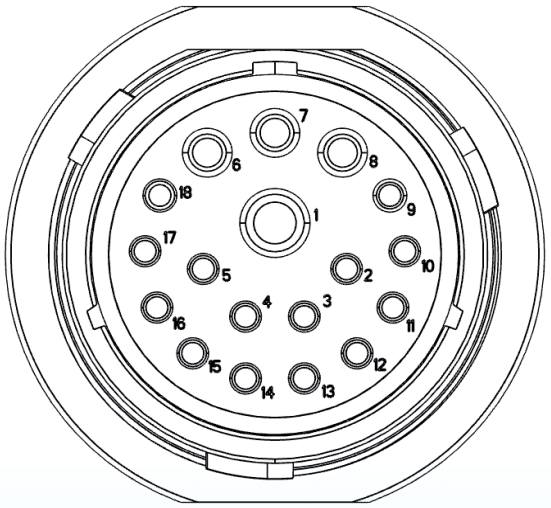
ISOBUS Plug on Tractor Harness 006-765IC
(Deutsch Plug Number: DT04-4P)

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



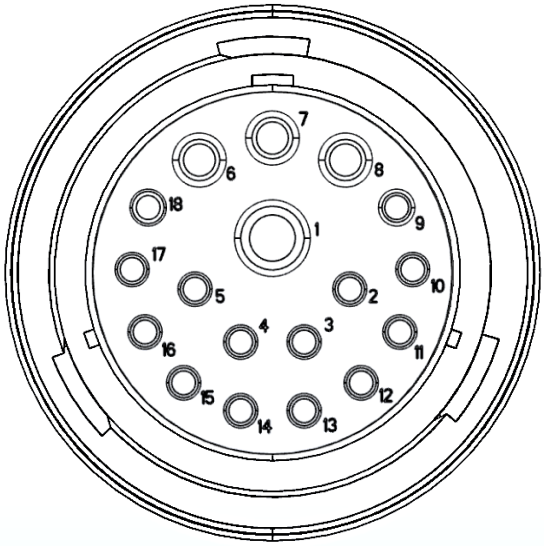
Power / Communication on Tractor Harness 006-765IC at Baler Hitch
(Deutsch Plug Number: HDP24-24-18PN)

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 Expansion 1
Pin 16	Gray	GPS Expansion 2
Pin 17	Brown	GPS Expansion 3
Pin 18	Not Used	----



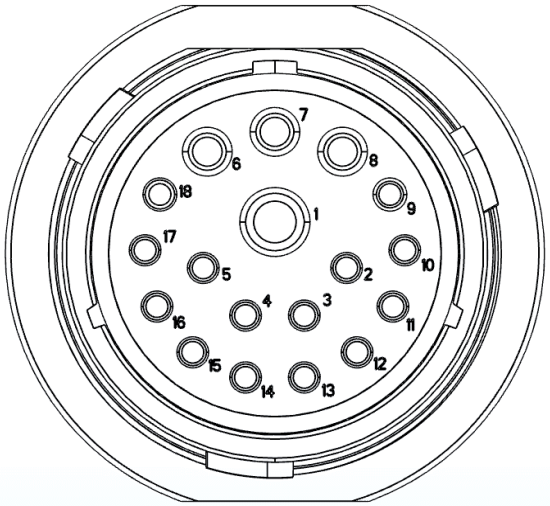
Pin Outs (continued)

Power / Communication on Baler Harness 006-763B 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	----

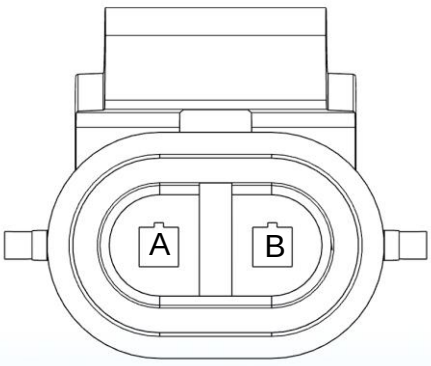
Power / Communication on Baler Harness 006-763B at IPM Module
(Deutsch Plug Number: HDP24-24-18PN)



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	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	----

*IPM Module Whip Plug- Pin # 5 Not Used

Solenoid 1 Plug on Baler Harness 006-763B
(Deutsch Plug Number: APTIV 12052641)



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

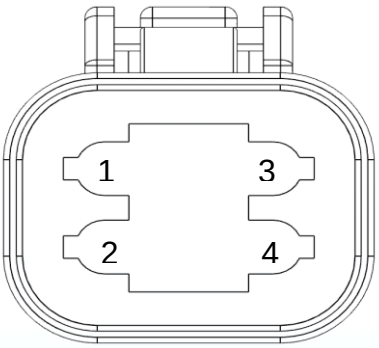
Solenoid 2 Plug on Baler Harness 006-763B
(Deutsch Plug Number: APTIV 12052641)

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

Pin Outs (continued)

CAN / IDM on Baler Harness 006-763B
(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

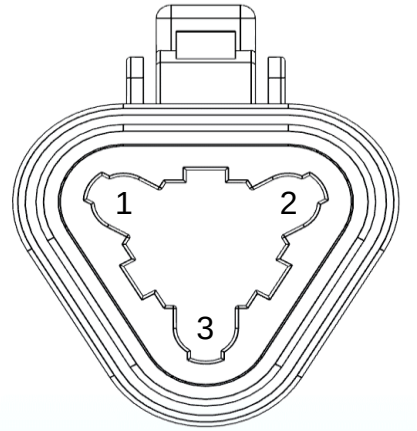


End of Bale Sensor Plug on Baler Harness 006-763B
(Deutsch Plug Number: DT06-3S)

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

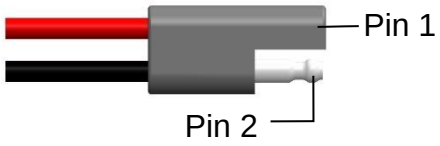
End of Row Sensors Plug on Baler Harness 006-763B
(Deutsch Plug Number: DT06-3S)

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

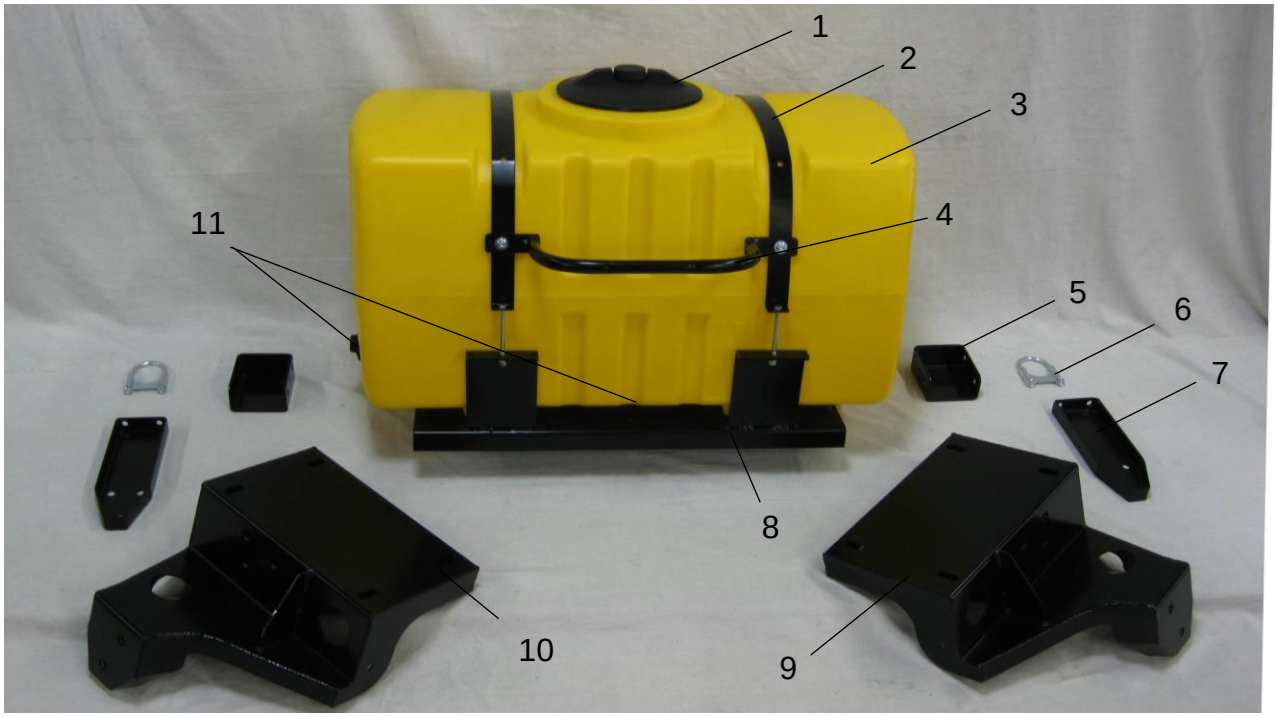


Pump Connection on 700 Controller Harness
(16 AWG Two-Wire Plug)

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



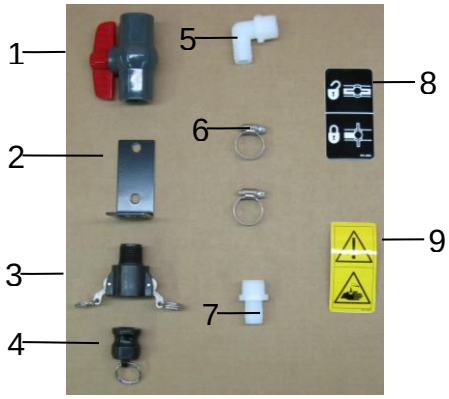
Model 747C Base Kit



Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	55 Gallon tank lid	005-9022H	1	7	Anchor Bracket	001-4703XA	2
2	Strap	001-4402	2	8	Saddle	001-4703X	1
3	Tank	005-9203SQ	1	9	Left Leg	001-4703XL	1
4	Handle	001-6707HRS	1	10	Right Leg	001-4703XR	1
5	Anchor Bracket Ext	001-4703XAX	2	11	Tank fitting	005-9100	2
6	U Clamp	001-4703XAB	2				
					Tank Kit Assembly	030-0447C-TK (1-11)	

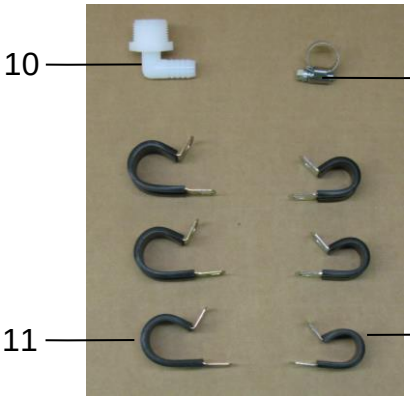
Parts Bag Packages

PBA-1



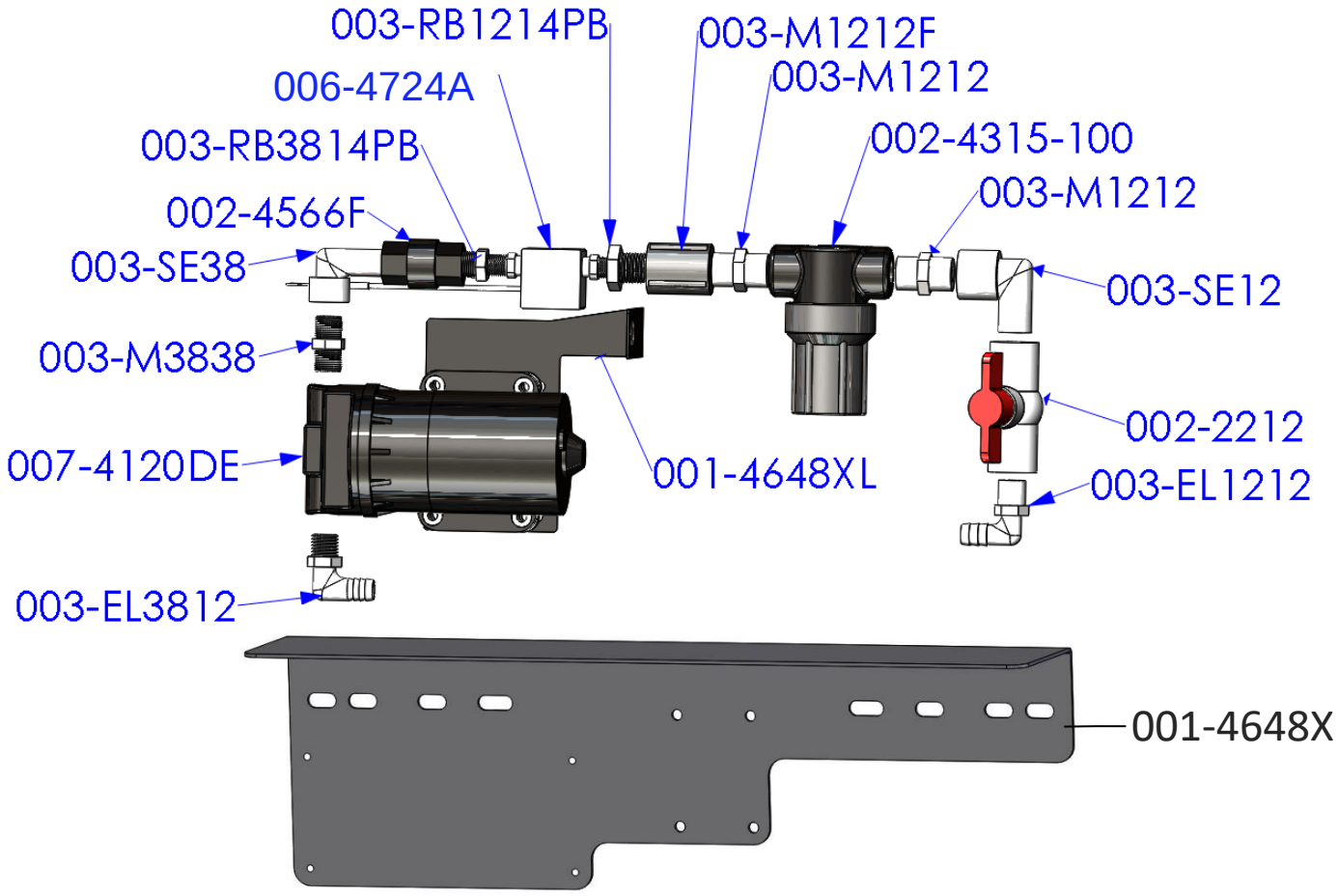
Ref	Description	Part #	Qty
1	3/4" Ball Valve	002-2200	1
2	Valve Holder	001-6702H	1
3	Female Coupler	002-2204A	1
4	Male Shut-Off Plug	002-2205G	1
5	3/4” x 3/4" Elbow	003-EL3434	1
6	#10 Hose Clamp	003-9004	2
7	3/4" x 3/4" Straight Fitting	003-A3434	1
8	Valve Decal	DCL-8004	1
9	Chemical Hazard Decal	DCL-8001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

PBP-16



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

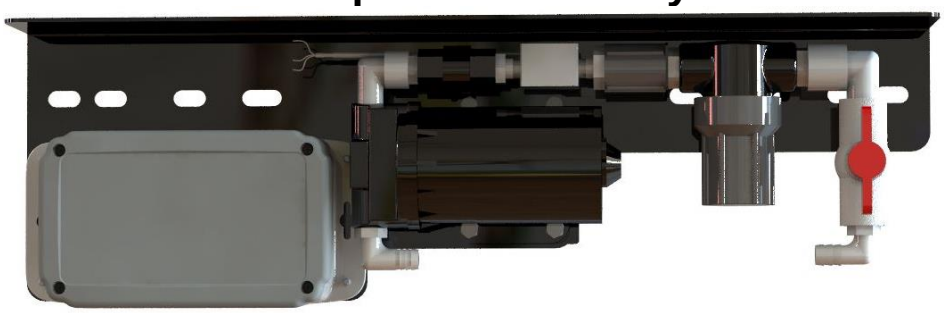
Parts Breakdown for Pump Assembly



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
006-4724A	Flow Meter-Deutsch Plug	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	

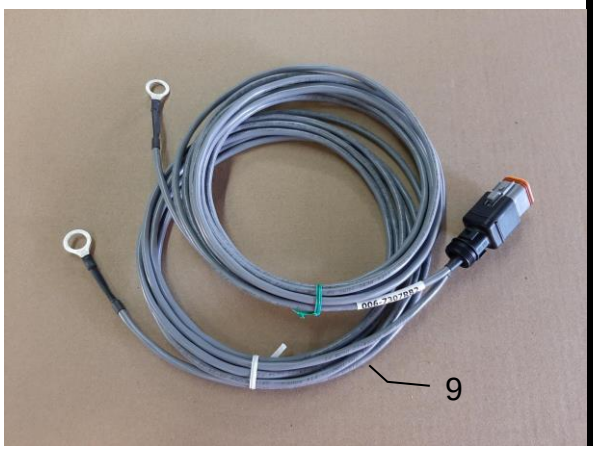
Pump Assembly PMP-3636P (001-4648X Not Included)

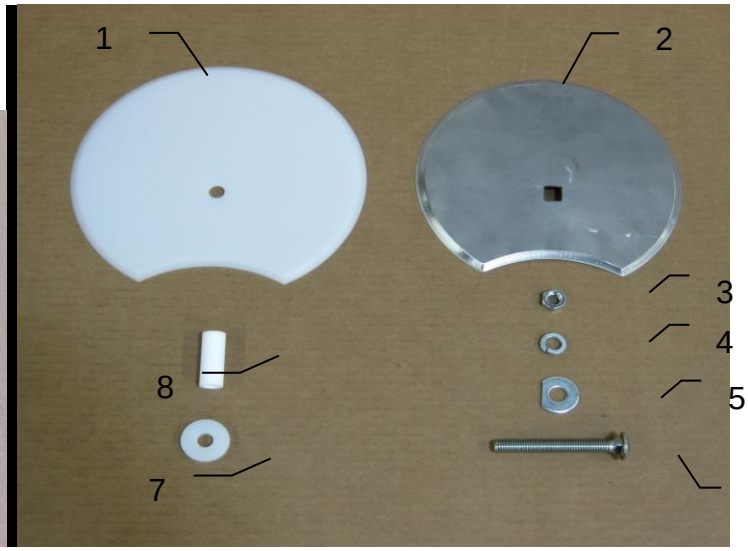
Completed Assembly



*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.

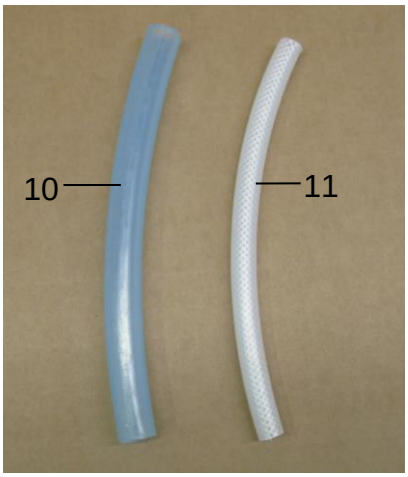
Moisture Sensor Parts Breakdown (736K, 738K, 747C, 747P only)





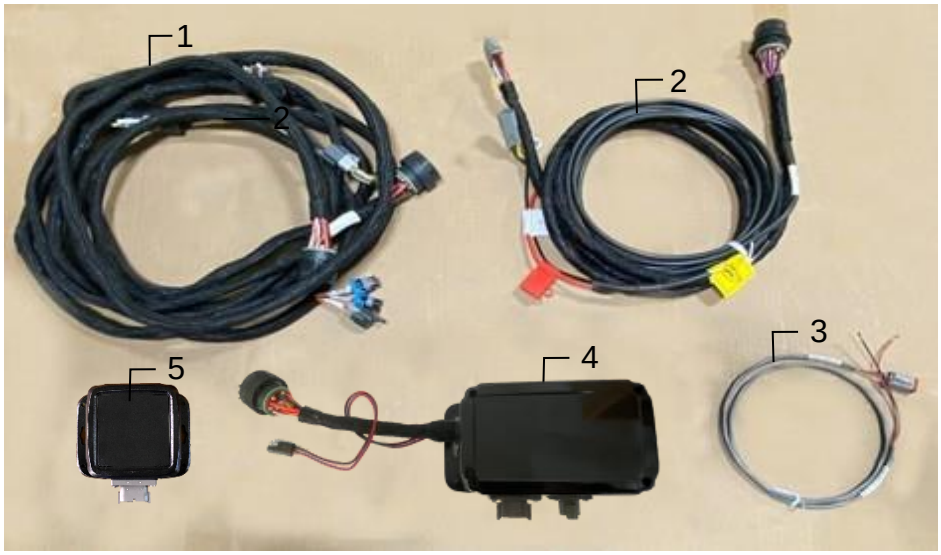
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	RB Isolator	006-4641FX	2	6	1/2" x 4 1/2” Carriage Bolt	Hardware	2
2	RB Moisture Pad	006-4641HX	2	7	Sensor Bushing	006-4641G	2
3	1/2” Nut	Hardware	4	8	Plastic Isolator	006-4641I	2
4	1/2" Lock	Hardware	4	9	Moisture Cable- (13’&16’)	006-7307RB2	1
5	1/2" D Washer	Hardware	6				
					Moisture Assembly (Ref 1-8)	030-4643C	2
					Complete Assembly (Ref 1-9)	MSH-7RB-B	

Hoses



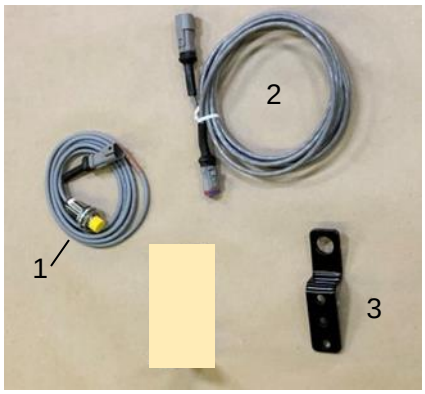
Ref	Description	Part #	Qty
10	1/2” Hose (Tank to Solenoid)	002-9001	15ft
11	1/4" Hose (Solenoid to Tips)	002-9016	6ft
NP	3/4” Hose (Drain / Fill Line)	002-9002	10ft

Control Box and Wiring Harnesses



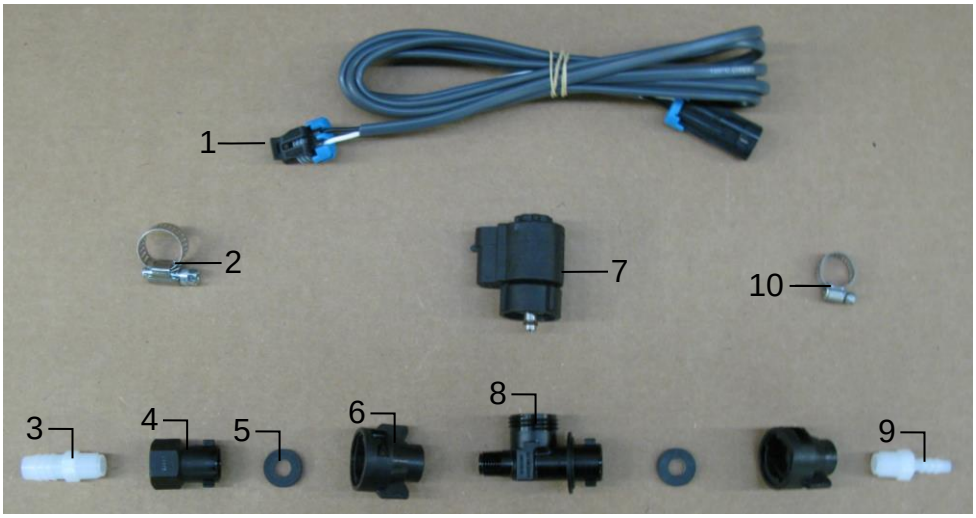
Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Power Lead Baler 20’	006-763B	1				
2	Power Lead Tractor	006-765IC	1	NP	120 Ohm Resistor	006-700R*	1
3	Key Switch Wire	006-765CPH	1	NP	Dust Plug Kit	006-765DP	1
4	ISO Pump Module	006-7671RB	1				
5	ISO Communication Module	006-6673	1		*006-700R terminator installation on 006-763B harness required at all times when operating Round Baler 700 series		

End of Bale Sensor Kit A



Ref	Description	Part #	Qty
1	End of Bale Sensor	006-7401	1
2	EOB Extension	006-7401EXT	1
3	End of Bale Bracket	001-4648RB	1
	Complete Assembly	EOB-7RB-A	

700 Solenoid Packages

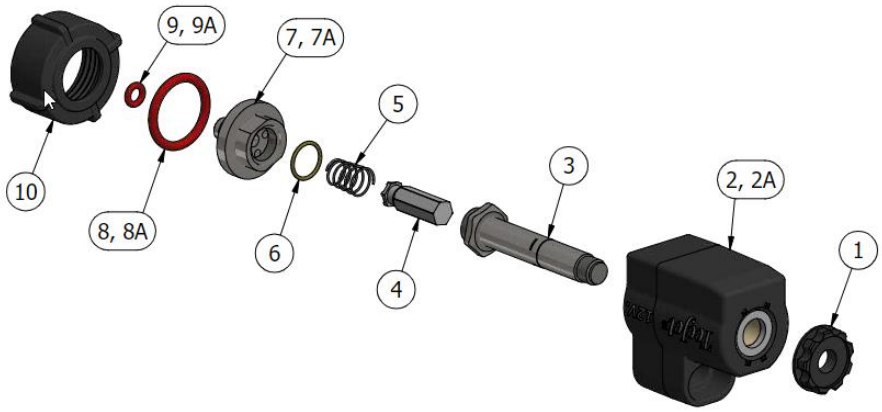


Solenoid Package B

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Solenoid Harness (10')	006-3650-S2	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 Fiting	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-B	

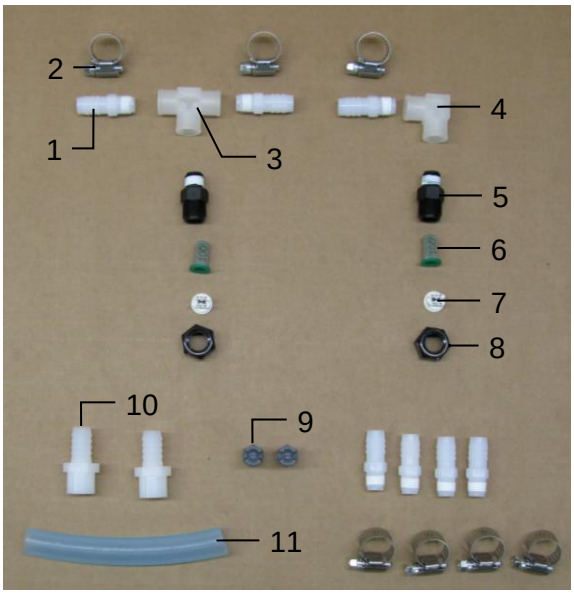
Expanded View of Pulsing Solenoid (002-2203F)

Replacement Pulsing Solenoid O-Ring Kit available (002-2203FG)
(Includes EPDM O-Rings 6, 8, 9 shown below)



To clean solenoid valves:
The Center Section can be removed from Housing #2 by loosening #1 from #3. Once removed, use wrenches on components #3 and #7 and gently turn to loosen and separate. Soak parts #3-10 in warm soapy water, clean with a soft bristle brush, rinse with clean water to remove buildup before reassembly.

Optional High Output Kit (700RBHTK)

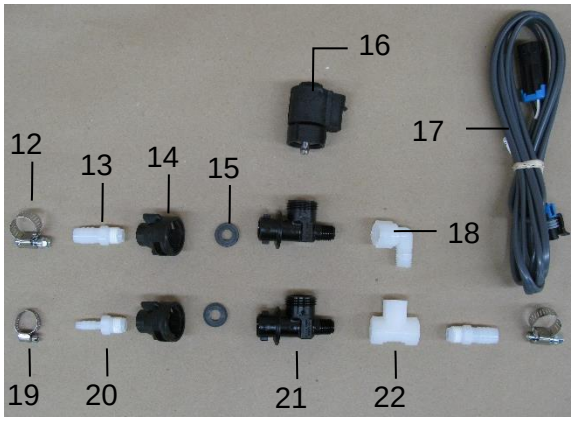


Ref	Description	Part #	Qty
1	1/4" x 1/2" Straight Fitting	003-A1412	7
2	#6 Hose Clamp	003-9003	7
3	1/4” Tee	003-TT14SQ	1
4	1/4" Sq Elbow	003-SE14F	1
5	Nozzle Body	004-4722	2
6	Tip Screens	004-1203-100	2
7	Tip – White*	004-XR11008VS	2
8	Nozzle Body Cap	004-4723	2
9	Tip – 1/4 NPT Gray*	004-T8008-PT	2
10	1/4" x 1/2" Sq Fitting	003-A1412F	2
11	1/2" Hose	002-9001	6ft
NP	Tip – Red*	004-XR11004VS	2
NP	Tip – 1/4 NPT Gray*	004-T8004-PT	2

* Tip color subject to change

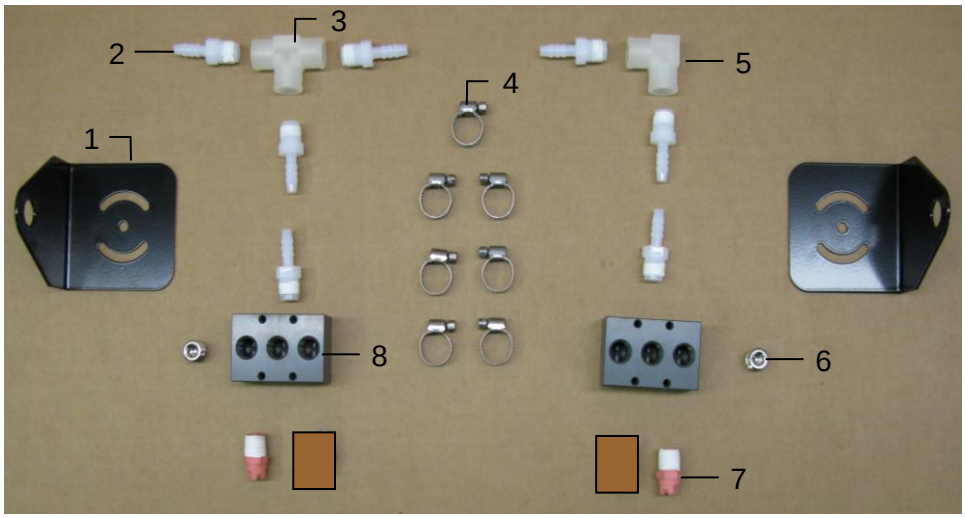
Complete High Output Tip Kit 700RBHTK
(All parts 1-22, Includes Solenoid shown below)

OPTIONAL High Output Tip Kit Solenoid
(Included with 700RBHTK Kit)



Ref	Description	Part #	Qty
12	#6 Hose Clamp	003-9003	2
13	1/4" x 1/2" Straight Fitting	003-A1412	2
14	Female Quick Coupler	004-1207H	2
15	Rubber Washer	004-1207W	1
16	Solenoid	002-2203F	1
17	Solenoid Harness (10’)	006-3650-S2	1
18	1/4" Street Elbow	003-SE14	1
19	Mini Hose Clamp	003-9002	1
20	1/4" x 1/4" Straight Fitting	003-A1414	1
21	Solenoid Check Valve	004-1207VF	2
22	1/4" Tee	003-TT14	1

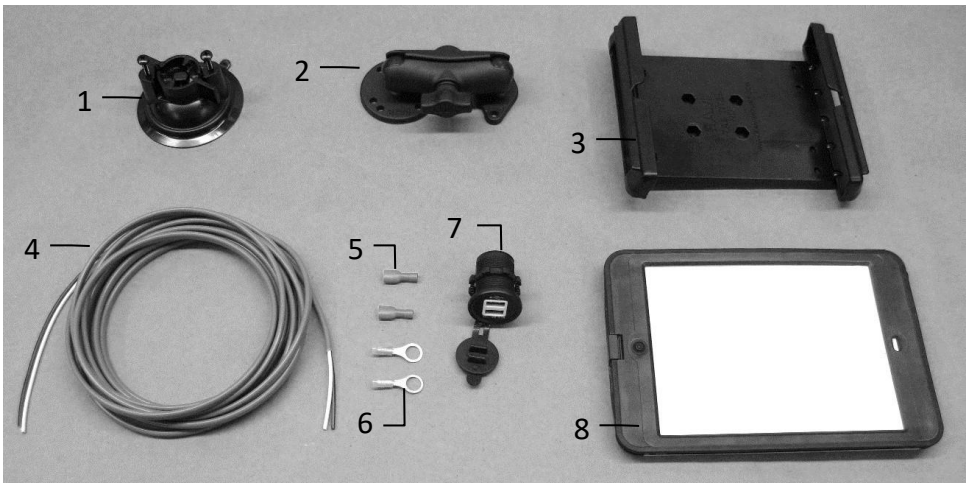
747C-SO Installation Kit

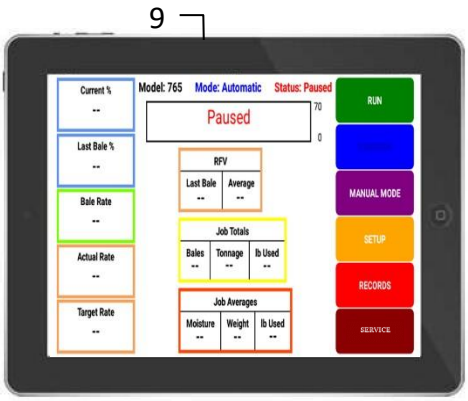


Ref	Description	Part #	Qty	Ref	Description	Part#	Qty
1	Spray Block Holder	001-4703XD	2	6	Plug Allen SS	003-F14A	2
2	1/4" x 1/4" Straight Fitting	003-A1414	5	7	Tip*	004-T86006-PT	2
3	1/4" Sq Tee	003-TT14SQ	1	8	Spray Shield Manifold	001-4435NSB	1
4	Mini Hose Clamp	003-9002	6				
5	1/4" Female Street Elbow	003-SE14F	1		* Tip color subject to change		

Complete Spray Assembly 030-0747C-SO

Optional iPad Display Kit (030-4670DK)





Ref	Description	Part #	Qty
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	Power Harness	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
	Complete iPad Display Kit Assembly	030-4670DK	(1-9)
	Mounting Kit Only	030-2014MK	(1-8)

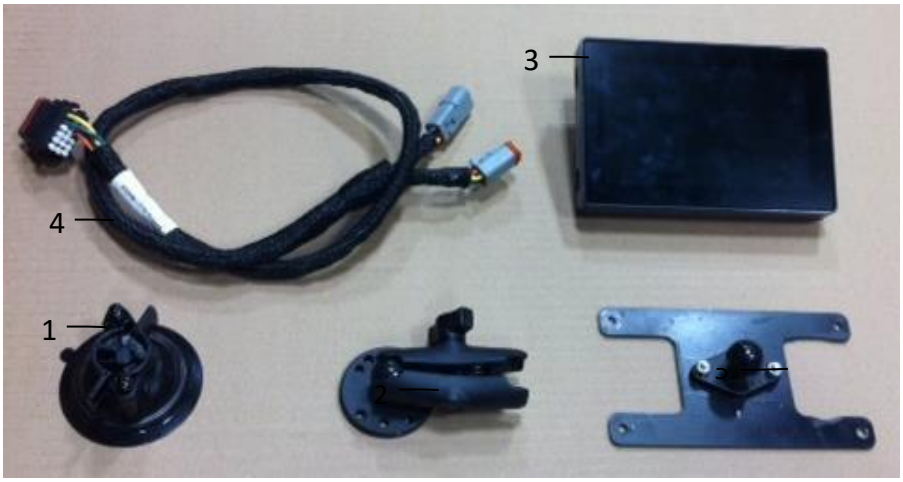
Installation Instructions

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.

Optional Harvest Tec Display Kit (030-7670DK)



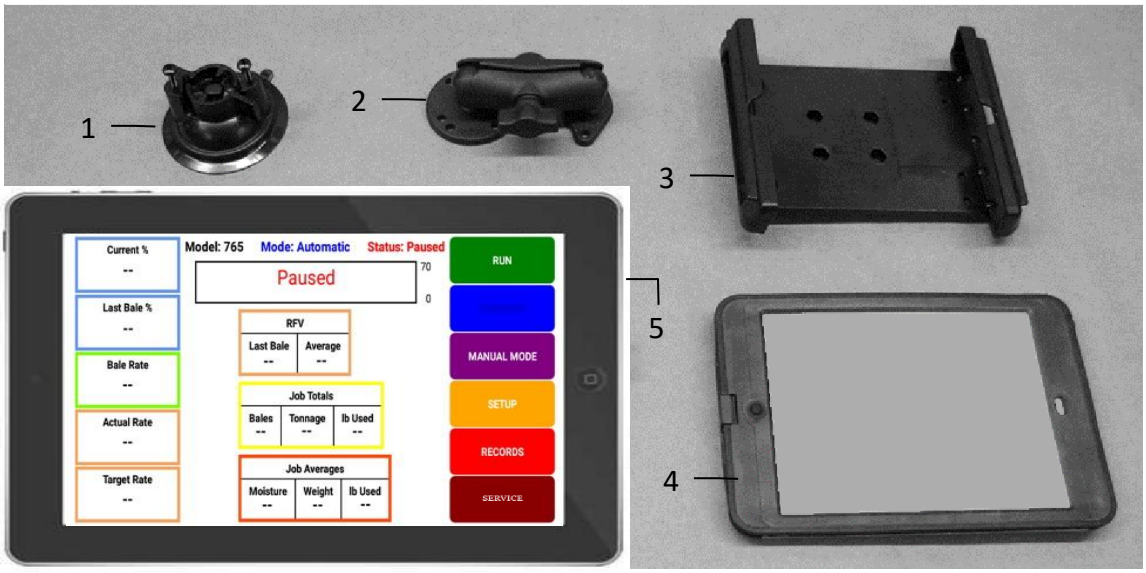
Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Harvest Tec Display	006-765GVT	1
4	Display Harness	006-765GH	1
5	Mounting Plate	001-700GH	1

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.

Optional Android Display Kit (030-1670DK)



Ref	Description	Part #	Qty
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	Android Case	001-2012A1	1
5	Android Tablet	006-1670AT	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 4/17

HARVEST TEC, LLC.
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