Installation Manual

Model 7324554C

55 gallon Automatic Preservative Applicator
For Kubota High-Capacity Double Balers

HarvestTec®

EST. 1976

732-26-INST
1/26

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Introduction

Congratulations and thank you for purchasing a Harvest Tec model 700 Series Automatic Preservative Applicator system. Read this manual carefully to ensure correct steps are followed 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 and voids warranty. Complications may include inaccurate readings from the flow meter and damage to system components.

Harvest Tec applicators can be installed on many baler models when using the proper tank model number and installation kit. Before installing on your baler, make sure you have the proper model & installation kit. Please contact your local authorized dealer or Harvest Tec directly for specifications if you are unsure about the correct installation kit for your baler model.

Left and Right sides are determined by facing in the direction of forward travel.

Model Kit Reference – for High-Capacity / Double Small Square Balers

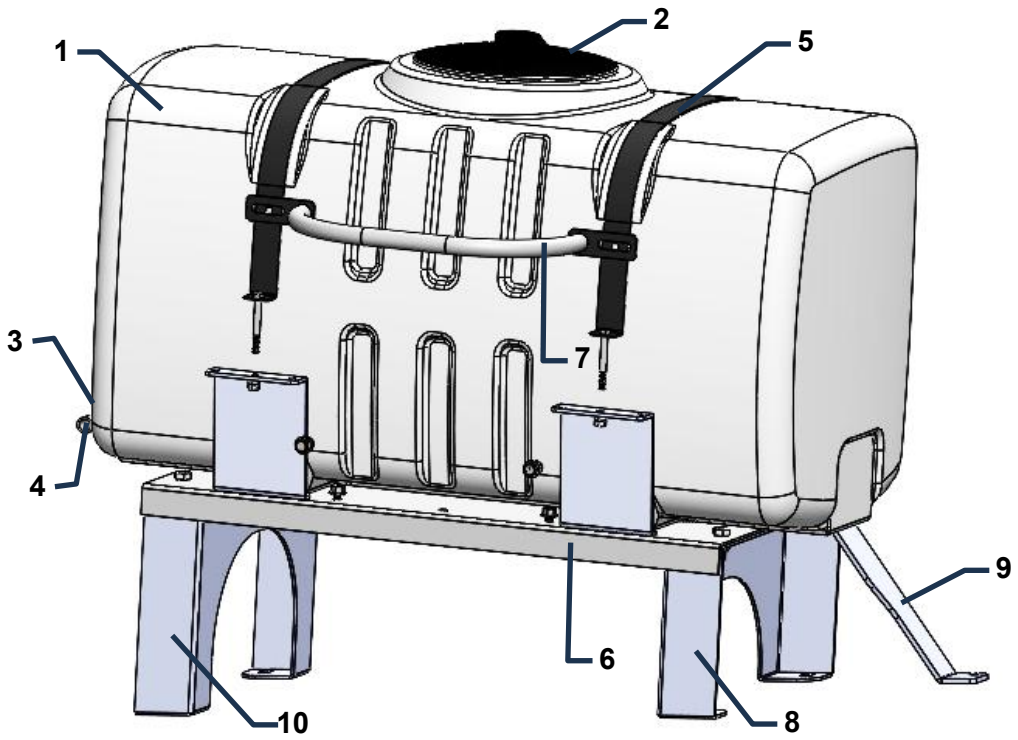
Automatic Applicator Systems

Baler Make	Baler Model	Model Number	Installation Kit	Tank Size
Grady TwinPak	SB2XR	767	4552C	55 Gallon
Kubota	SSB2014, SSB2012	732	4554C	55 Gallon
Marcrest	210 Baler	767	4553C	75 Gallon
Massey Ferguson	1436 Double Baler	770	4556C	75 Gallon

Tools Needed

Standard wrench and socket set
Hose cutter
Metal drilling and cutting tools
Straight edge
Standard screwdriver set
Crescent wrench
Tape measure
Side cutter
Hammer
Center punch

Parts Breakdown - Model 732, 432 Base Kits
Tank Saddle Kit 030-0432-TK and Tank Legs

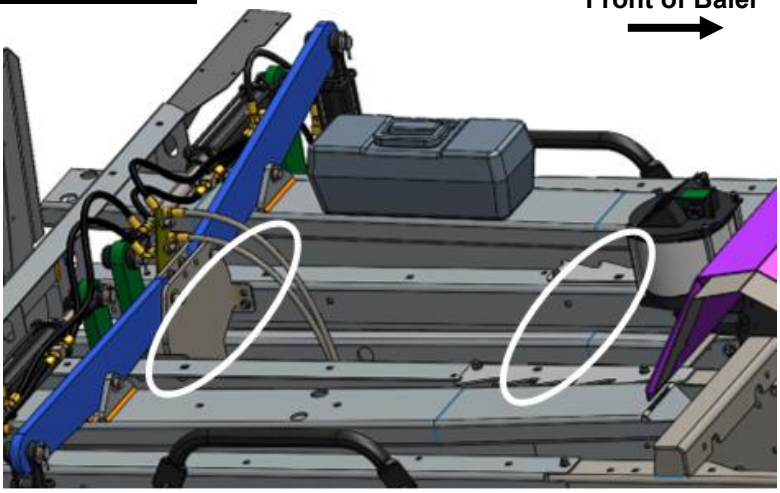


Ref#	Description	Part #	Qty
1	Tank Asm. - 55 gal.	030-9203SQ	1
2	Tank Lid	005-9022C	1
NP	Lid Breather (replacement)	005-9022B5	1
NP	Lid Gasket (replacement)	005-9022CG	1
3	Tank Fitting (replacement)	005-9100	1
4	Elbow 3/4MPTx1/2HB (replacement)	003-EL3412	1
5	Tank Strap	001-4402C	2
6	Tank Saddle	001-4703X	1

Ref#	Description	Part #	Qty
7	Handrail	001-6707HRS	2
8	Tank Leg -Front	001-4703XGL	1
9	Tank Leg Strap	001-4703XGS	1
10	Tank Leg -Rear	001-4703XGR	1
NP	Pump Plate Mount (for auto system only)	001-4445DX	1
NP	Pump Mount Asm. (for electronic system)	001-4647E	1

Complete Replacement Tank 030-9203SQ
Tank Saddle Kit (parts 1-6) 030-0432-TK

Tank Saddle Kit – Kubota Double Balers



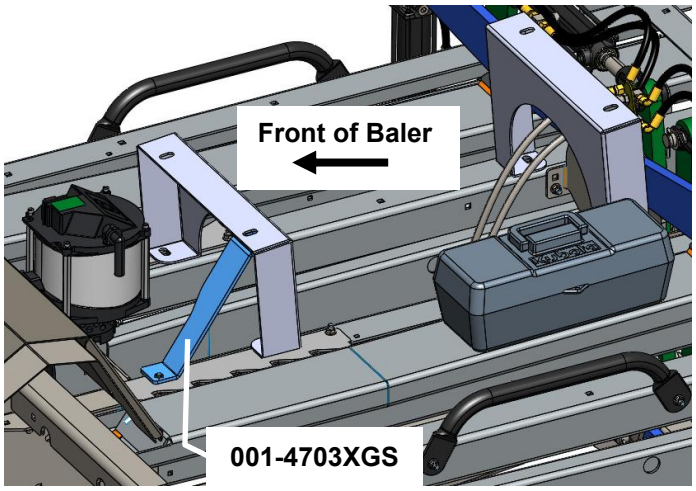
Installation – Tank Mounting

Locate factory mounting holes for the front and rear tank saddle legs, which are located on the inside rail of each bale chamber.

Install the Rear Tank Leg (001-4703XGR) at the rear set of factory mounting holes on the bale chamber using supplied 2x 1/2x1-1/2" carriage bolt, lock washer, and nuts; Leave hardware hand-tight.

Install the Front Tank Leg (001-4703XGL) at the forward set of factory mounting holes on the bale chamber using supplied 2x 1/2x1-1/2" carriage bolts, lock washers, and nuts; Leave hardware hand-tight.

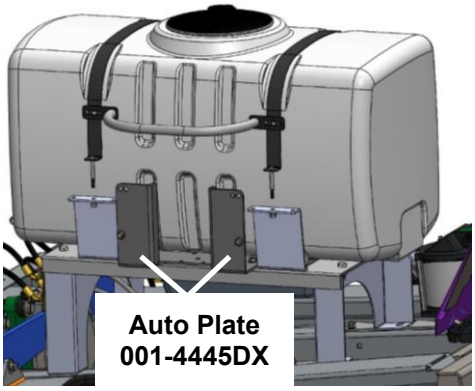
Attach Tank Leg Strap (001-4703XGS) to the baler using factory hardware; Leave hardware hand-tight. Be sure to place tab under the 001-4703XGL bracket, to support the front bracket stability.



Install the Tank Saddle Assembly (030-0432-TK) on top of the two tank legs with Pump Mounting Bracket (auto or electric) facing the RH side of the baler. The threaded studs on the bottom of the tank saddle go through the top of the tank legs. Center the tank saddle assembly and secure with supplied flat washers, lock washers, and nuts. Tighten all hardware.

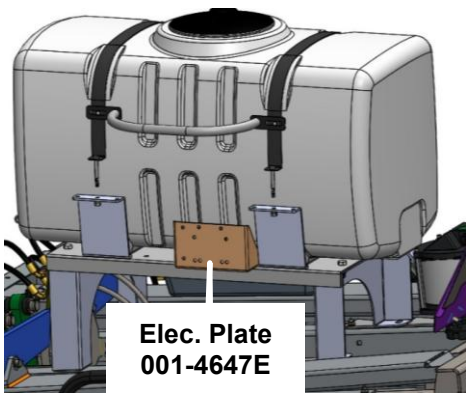
Pump Mounting Bracket – Auto Kits Only (001-4445DX)

Auto Pump Plate Mount Bracket (001-4445DX) comes pre-mounted onto the back side of the tank saddle. This bracket is used to support the pump plate assembly used with the automatic applicator system.



Pump Mounting Bracket – Electronic Kits Only (001-4647E)

Electronic Pump Mount Bracket (001-4647E) comes pre-mounted onto the back side of the tank saddle. This bracket is used to support the pump assembly used with the electronic applicator system.



Drain Fill Kit and Hoses – Kubota Double Balers

Installation - Drain Fill Kit (030-0493DFK)

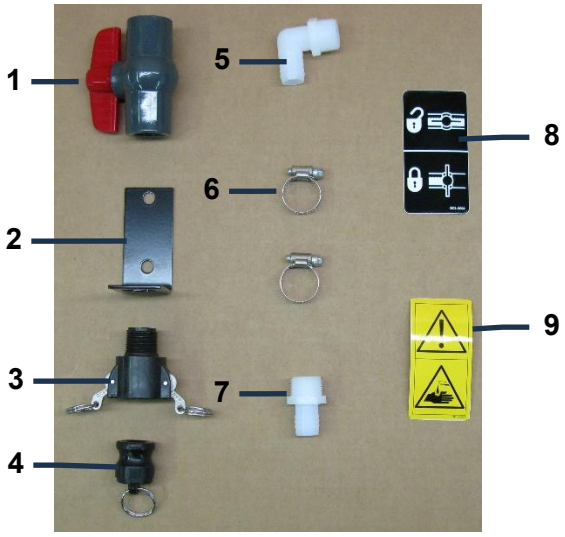
Install 3/4” Elbow Fitting (003-EL3434) into the side tank fitting. Tighten and aim towards the RH side of baler. Locate an area on the RH side of baler where the drain/fill bracket and valve assembly (from Parts Bag 1) can be mounted without the interfering with baler lights or functions. Bolt drain/fill bracket assembly to the back of the baler. Route the ¾” hose from the elbow at the side of the tank to the fitting at the top of the drain/fill assembly, secure with hose clamps on each end.

Tank Plumbing – Tank to Pump

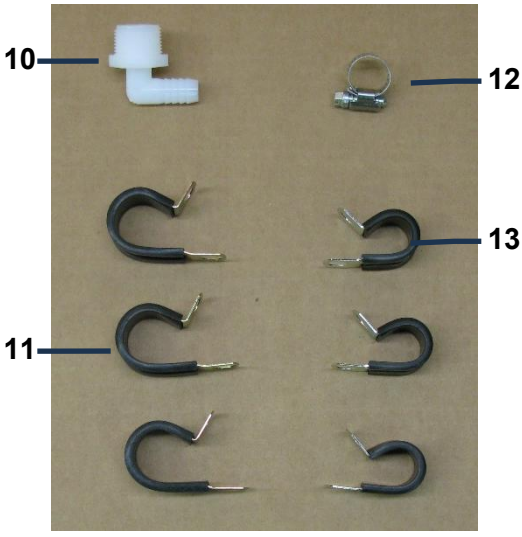
Install 3/4” Elbow Fitting (003-EL3412) into bottom tank fitting on tank. Tighten and aim towards front of baler. The 1/2" hose will attach from the elbow fitting at the bottom of the tank to the inlet side of the ball valve on the pump plate/filter assembly and be secured with hose clamps on each end.
Route hose so it will not interfere with moving parts, avoiding points where the hose may pinch or rub.

Drain Fill Line, Parts Bag Packages and Hosing

PBA-1



PBP-16



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

Complete Drain Fill Kit **030-0493DFK**
(Includes 3/4" Hose Not Pictured)

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

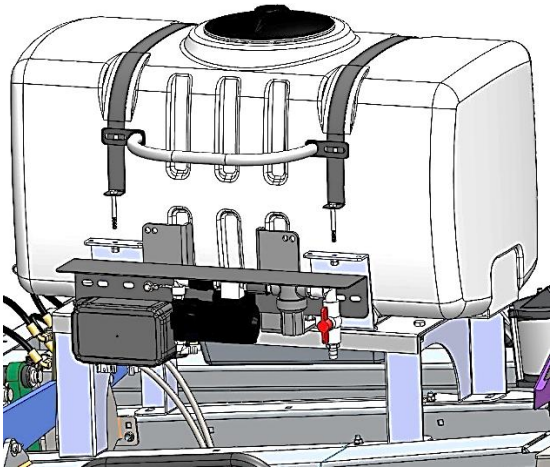
Hoses

NP	1/2" EVA Tubing (Pump to Tips)	002-9001	20 ft
NP	3/4" EVA Tubing (Drain/Fill Line)	002-9002	6 ft

Pump Plate Assembly (PMP-7636P)

Installation

Attach Pump Plate Assembly (PMP-7636P) to Pump Plate Mount (001-4445DX) on the back side of the tank saddle using supplied 3/8-16x1” flange head bolt and 3/18-16” flange nut. Center pump plate on the mount before tightening hardware.

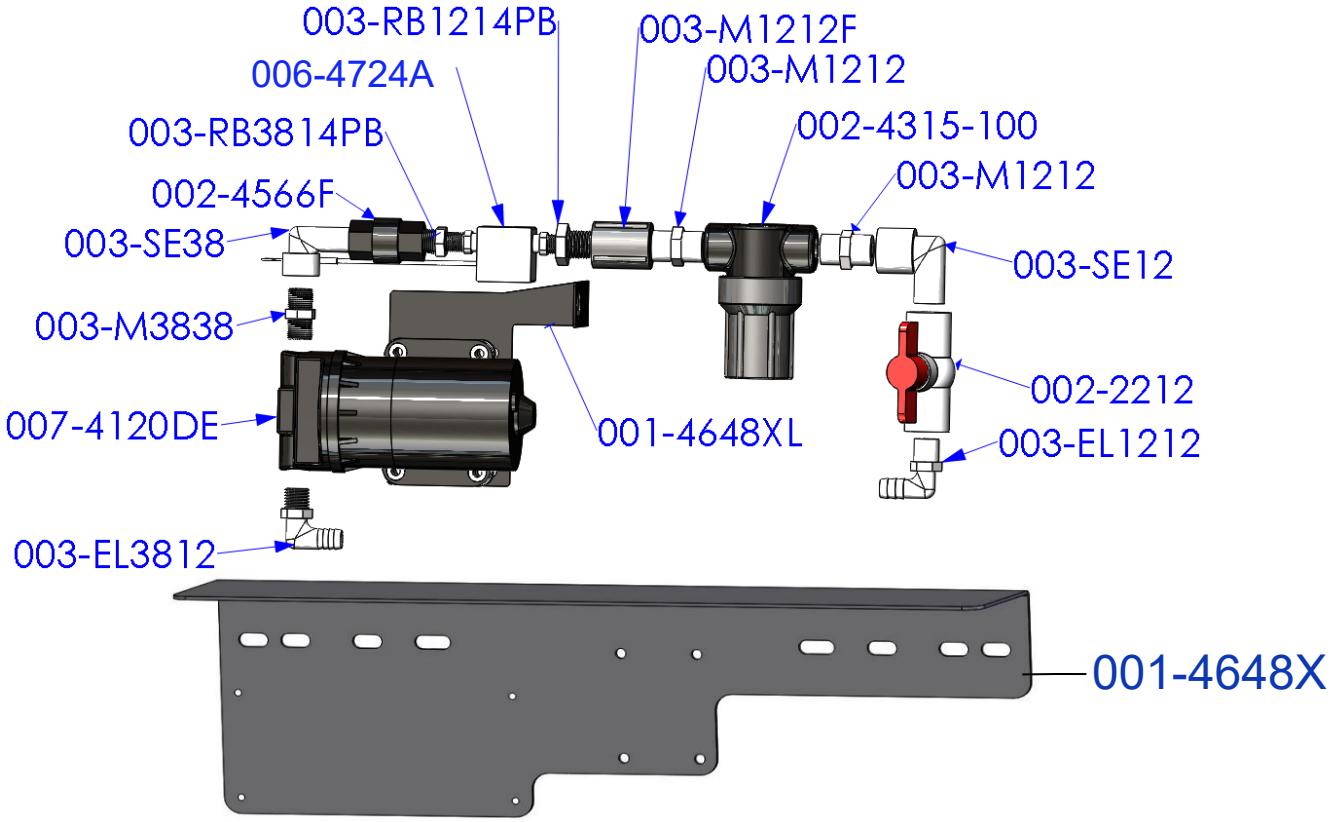


Control Box

Mounting to Pump Plate

Locate the 700 series IPM Control box (006-7671) from the controls package box. Mount the IPM Control to the Pump Plate Shield (001-4648X) using hardware included within the controls package box. The IPM Control box mounts on the pump plate. Pump plate assembly attaches to pump plate mounting bracket with hardware supplied within the pump plate box.
Triangle Flow Meter plug attaches to plug on bottom of IPM.
Moisture Sensor harness also attaches to bottom of IPM module.

Parts Breakdown for Pump Assembly



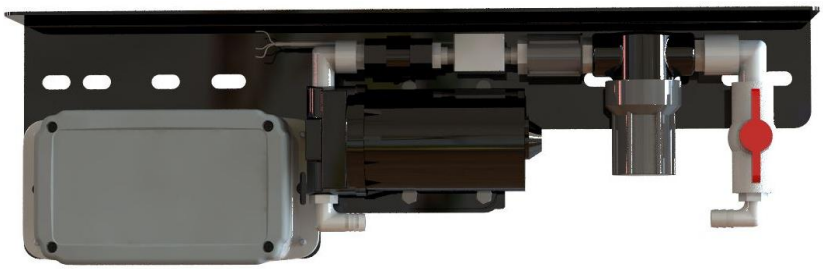
Part#	Description	Qty	Part#	Description	Qty
003-EL3812	3/8”MPT X 1/2"HB Elbow	1	003-M1212	1/2" Union	2
007-4120DE	700/300 Series Pump	1	002-4315-100	1/2" Line Strainer-100 Mesh	1
003-M3838	3/8” x 3/8” Union	1	003-SE12	1/2" Street Elbow	1
003-SE38	3/8” Street Elbow	1	002-2212	1/2" Ball Valve	1
002-4566F	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*	1/2" MPTx1/2”HB(Not Pictured)	1
003-M1212F	1/2" Coupler	1	003-A3812*	3/8" MPTx1/2”HB(Not Pictured)	1

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

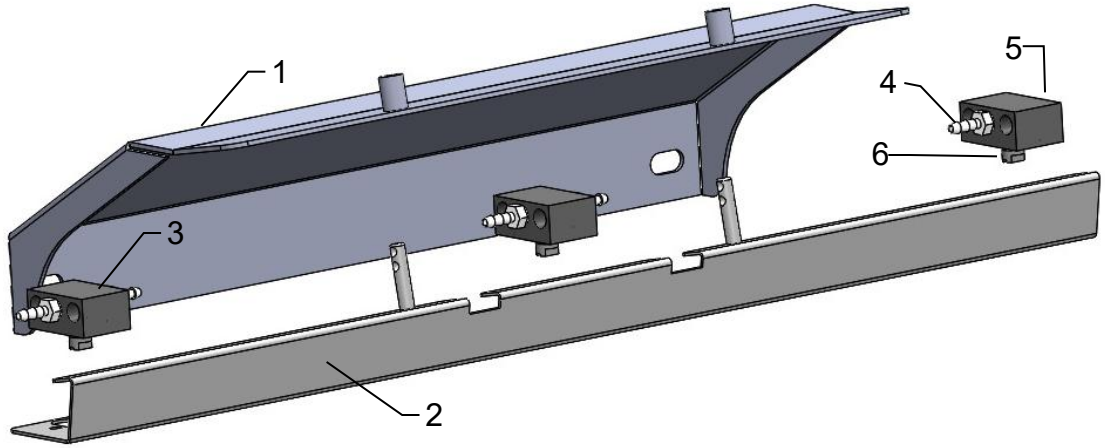
Filter Bowl Replacement Parts

002-4315F	Filter Bowl
002-4315D	Filter Bowl Gasket
002-4315A	Replacement Screen-100 Mesh
002-4315B	Replacement Screen- 80 Mesh

Completed Assembly – PMP-7636P



Spray Shield - Installation Kit 4554C



Ref	Description	Part #	Qty
1	Shield Holder	001-4435GP	1
2	Spray Shield	001-4435GSX	1
NP	Lynch Pin	008-4576	2
3	Spray Manifold	001-4435NSB	3
NP	1/4" Hose	002-9016	2.5ft
NP	Hose Clamp	003-9002	5
4	1/4MPT x 1/4HB	003-A1414	5
5	1/4” Hex Plug	003-F14	1

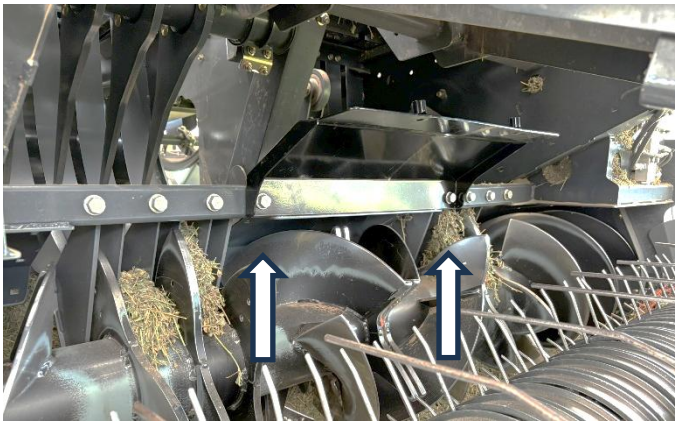
Ref	Description	Part #	Qty
NP	Tip* -Low	004-T8001-PT	3
6	Tip* -Standard	004-T8004-PT	3

*Tip color subject to change

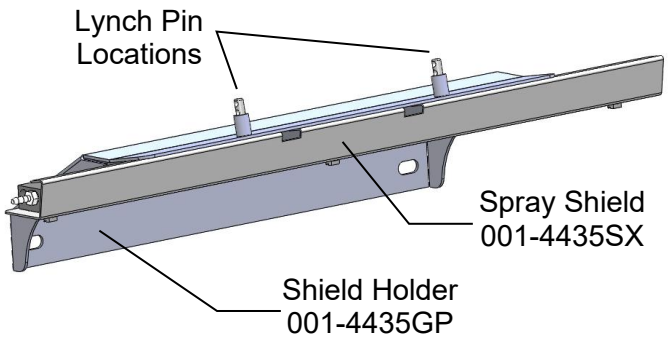
Complete Spray Shield Asm. 030-4554C

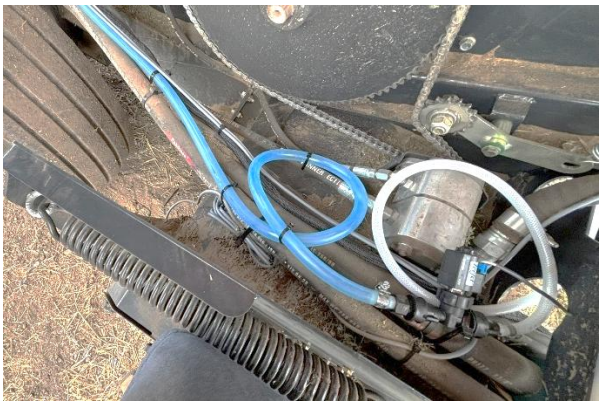
Spray Shield Mounting – Installation Kit 4554C

Remove the two center factory bolts in the front face of the channel above the auger. Place Spray Shield Holder (001-4435GP) at the front of the channel and install using the factory hardware and tighten in place.



Install the assembled Spray Shield (001-4435GSX) to the shield holder by inserting the pins up through the pipes on the holder and secure in place using the two suppled lynch pins. Hose should be routed towards the RH side of the pickup assembly and will attach to the solenoid assembly. Coil excess hose and leave for future adjustment/service of the solenoid and/or spray shield.



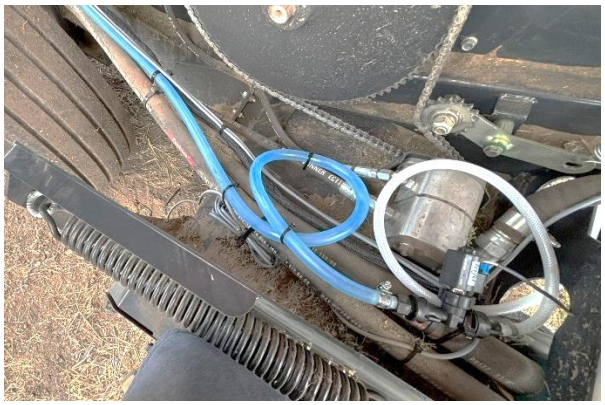


Plumbing and Solenoid - Kubota Double Balers

A. Intake Line

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

B. Discharge Line



Connect 1/2" hose to outlet pump fitting and route following the wire harness forward towards the Righ Hand side of the pickup assembly. Coil some excess hose to leace enough for future adjustmetn/service. Connect to the solenoid assembly (SOL-3SP-A). Secure hose with cable ties.

C. Solenoid Assembly Installation

The Pulsing Solenoid is installed at the transition of the 1/2” hose from the pump discharge line and the 1/4" line to supply the spray nozzles. Coil excess hose to provide slack when servicing spray shield assembly. Transition should be close to the spray tips in an accessible location. The best suited placement for this transition is a location where the solenoid can be placed in a horizontal position in-line with the hoses and clear of the pickup and any moving parts. This location is to be determined at the discretion of the installer. (See example). Be sure to provide ample hose length to allow for full range of motion of the pickup head- too short of hose may cause hose to pull out or break connections when pickup head is lowered.

Attach straight fitting (003-A1412) into end of 1/2" hose from the pump and secure with hose clamp (003-9003). Thread connector (004-1207G) onto fitting and place rubber washer (004-1207W) into quick disconnect (004-1207H). Connect to inlet side to the solenoid valve body (004-1207VF). Attach quick disconnect from spray nozzles/shield to outlet side of solenoid valve body, with rubber washer inside the quick disconnect.

Attach Solenoid Harness to Solenoid and route harness to connect with main baler harness at only one of the plugs marked ‘SOL1’. Secure harness to baler away from any moving parts and pinch points using cable ties.

D. Solenoid Maintenance

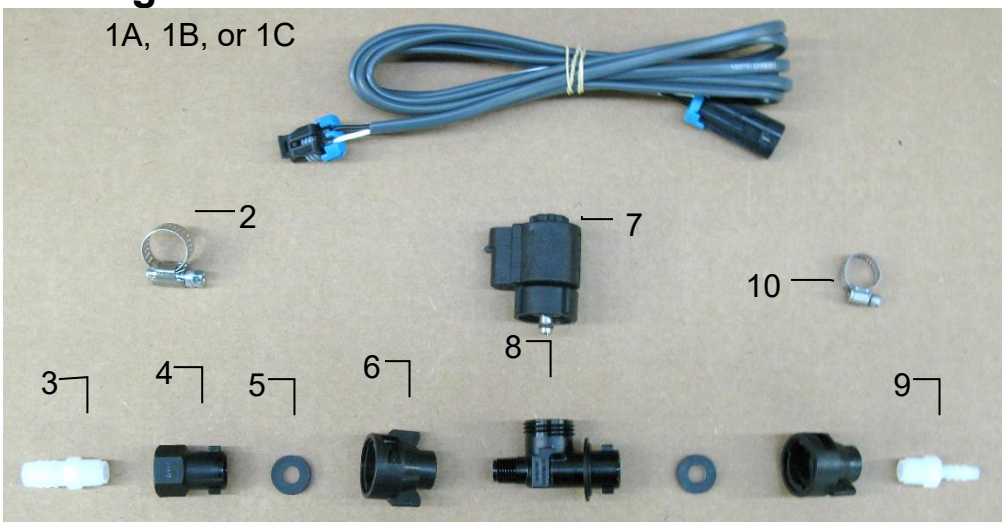
Check before use for any cracks or leaks in fittings- replace as necessary. The center section of valve body may need to be cleaned if solenoid does not pulsate when power is supplied by applicator. See breakdown for cleaning instructions. Components are compatible with Harvest Tec Buffered Propionic Preservative and use of other products may cause an increased need for service or replacement.

E. Standard and Low Output Tips

Your baler comes with the Standard tip set installed.

-Low tip set is recommended for use with low baling rates or light baling conditions.
-Standard set will cover most field baling conditions

700 Pulsing Solenoid Breakdown – Small & Round Balers



Ref	Description	Part #	Qty
1A	Solenoid Harness (5')	006-3650-S1	
1B	Solenoid Harness (10')	006-3650-S2	
1C	Solenoid Harness (15')	006-3650-S3	
2	#6 Hose Clamp	003-9003	1
3	1/4"x1/2" Straight Fitting	003-A1412	1
4	1/4" Female Connector	004-1207G	1
5	Rubber Washer	004-1207W	2

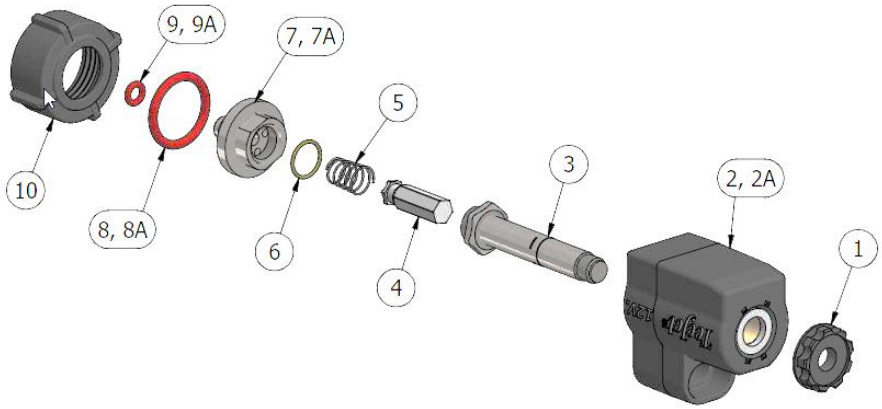
Ref	Description	Part #	Qty
6	1/4" Female Disconnect	004-1207H	2
7	Solenoid	002-2203F	1
8	Solenoid Valve Body	004-1207VF	1
9	1/4" x 1/4" Straight Fitting	003-A1414	1
10	Mini Hose Clamp	003-9002	1

Solenoid Packages

Complete Assembly Pkg. A	SOL-3SP-A
Complete Assembly Pkg. B	SOL-3SP-B
Complete Assembly Pkg. C	SOL-3SP-C

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)

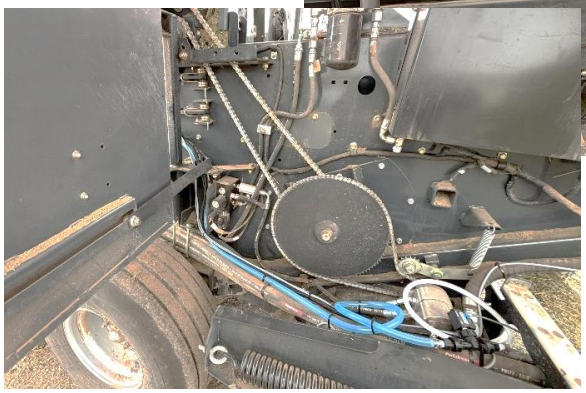


To Clean Solenoid Valves:
The Center Section can be removed from Housing #2 by loosening #1 from #3. Once removed, use wrenches on components #3 and #7 and gently turn to loosen and separate. Soak parts #3-10 in warm soapy water, clean with a soft bristle brush, rinse with clean water to remove buildup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

Main Wire Harness and Connections

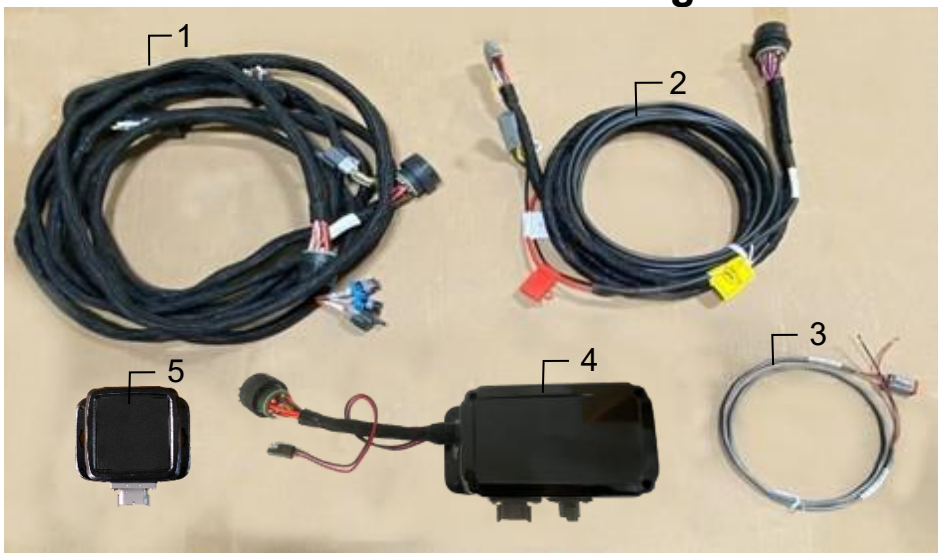
Main baler harness (006-762B) connects to the IPM Control Module mounted on the pump plate on the rear of the tank assembly. Follow existing hydraulic lines to the right side of the baler, forward along the top RH rail. At the front of the RH rail behind the knotter assembly, route harness down and forward along existing lines. Secure with cable ties and p-clips. Follow existing wiring to the front of the baler hitch.

Keep harnesses away from moving parts and hydraulic hoses. Secure with existing cable clamps or use cable ties to secure to factory lines.



Once all sensor connections are made on the harness, connect to the IPM module and secure all harness wires.

Main Control Modules and Wiring Harnesses



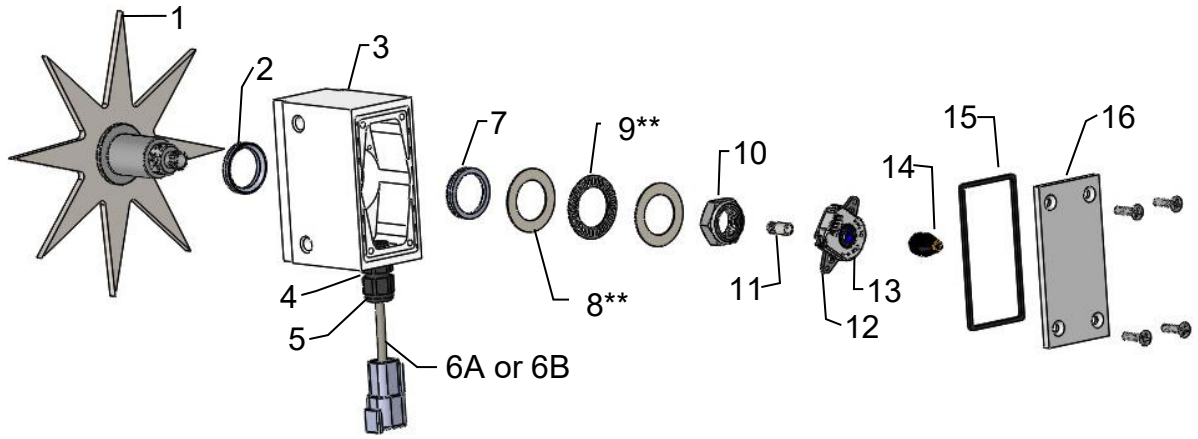
Ref	Description	Part#	Qty
1	Power Lead Baler 20’	006-762B	1
2	Power Lead Tractor	006-765IC	1
3	Key Switch Wire	006-765CPH	1
4	ISO Pump Module	006-7671SS	1
5	ISO Comm. Module	006-6673	1

Ref	Description	Part#	Qty
NP	120 Ohn Resistor	006-700R*	1
NP	Dust Plug Kit	006-765DP	1
NP	Optional Lightning to USB-A Communication Cable	006-6672USBC	1
NP	Optional USB-C to USB-A Communication Cable	006-6672USBX	1

*006-700R installation on 006-762B harness is required at all times when operating the small square 700 series applicator

Star Wheel Sensors- 700 Series

(for All Small Square Balers – Updated Jan 2026)



Ref	Description	Part#	Qty
1	Star Wheel	006-4642US	1
2	Dust Seal Gasket	006-4642UG	1
3	Star Wheel Block (Avail. in 2026 style only)	006-4642UB	1
NP	3/8” Grommet Nut	008-0821B	1
4	3/8” Grommet Seal	008-0821G	1
5	3/8” Comp. Grommet	008-0821A	1
6A	Encoder Harness Plug (6 Pin)	006-7307EM	1
6B	Moisture Harness Plug (2 Pin)	006-7307M	1
7	Spacer (only used in some of the pre-2024 blocks)	006-4642UBS	1
8	Thrust Bearing Washer	006-4642TA	2
9	Thrust Bearing	006-4642TB	1
**	Bearing Washer (Replaces parts 8 & 9)	006-4642W	1
NP	Spacer Plate (use one per star wheel)	001-6707ES	
NP	S.W. Drilling Template	001-4642T	

Ref	Description	Part#	Qty
10	Star Wheel Nut	006-4642U	1
11	Swivel Insert	006-4642B	1
12	Encoder Mount	006-4512P	1
13	Encoder	006-4512E	1
14	Electric Swivel	006-4642A	1
15	Star Wheel Block Gasket (Fits pre-2024 block style)	006-4642UG	1
15	Star Wheel Block Gasket (Fits 2024 and newer blocks)	006-4642UG2	1
16	Block Cover (Fits pre-2024 block style)	006-4642UC	1
16	Block Cover (Fits 2024 and newer block style)	006-4642UC2	1

Bearing Rebuild Kit (parts 2, 7-10) 006-4642UK

Complete Assembly w/Encoder 030-4642UE

Complete Assembly No Encoder 030-4642U

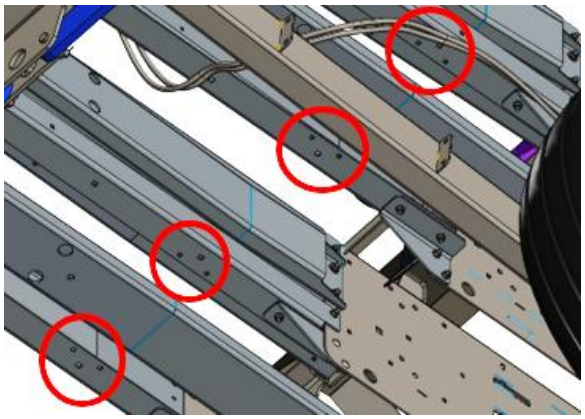
Moisture Harnesses

Ref	Description	Part #	Qty
17	Moisture Wire Harness (12’ & 13’ Length Sections)	006-7307EM2	1
NP	Moisture Wire Harness (16’ & 17.5’ Length Sections)	006-7307EM3	1
NP	MF DB Moisture Harness (for 3 Sensor Connections)	006-7307EMX	1
NP	Kubota DB Moisture Harness (for 4 sensor connections)	006-7307EMK	1

Moisture Sensor Kit – (MSH-7SS-KDB)
Installation – 732 Applicator Kit

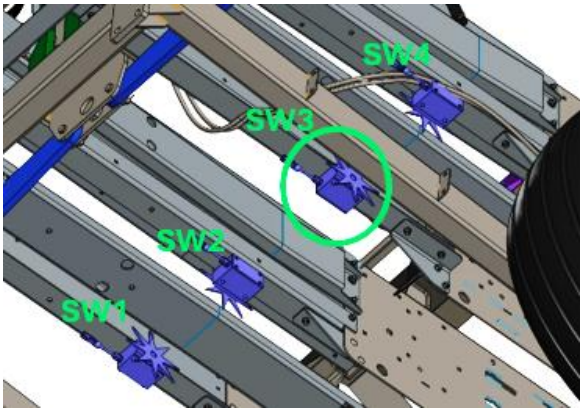
Star Wheel Mounting

Star wheel assemblies will mount to baler using the 4 sets of factory star wheel mounting holes found at front of the bale chambers, on the bottom side of frame.



The Encoder Star Wheel (030-4642UE, with the 6-pin plug connector) will be mounted to the LH side of the RH bale chamber (indicated as SW3 in diagram). Install with plug wire extending towards the rear of the baler. Star must rotate clockwise when bales move through the bale chamber.

The remaining three Star Wheel assemblies (006-4642U) with the 2-pin plug connectors will be mounted in the remaining locations (SW1, SW2, SW4). Also place these star wheel assemblies with the wire extending towards the rear of the baler.



Install each of the star wheel assemblies using a Star Wheel Spacer Plate (001-6707ES) placed between the star wheel block and the baler for each bale chamber. Secure star wheels and spacer plates with supplied hardware 2x 5/16x3" BHCS, 5/16" lock washer, and nut. Hand tighten with wrench or ratchet - not exceed 13 ft-lb torque. **DO NOT USE IMPACT WRENCHES TO TIGHTEN.** Over torquing star wheel mounting hardware can cause pre-mature wear of the star wheel blocks.

Harness Routing (006-7307EMK)

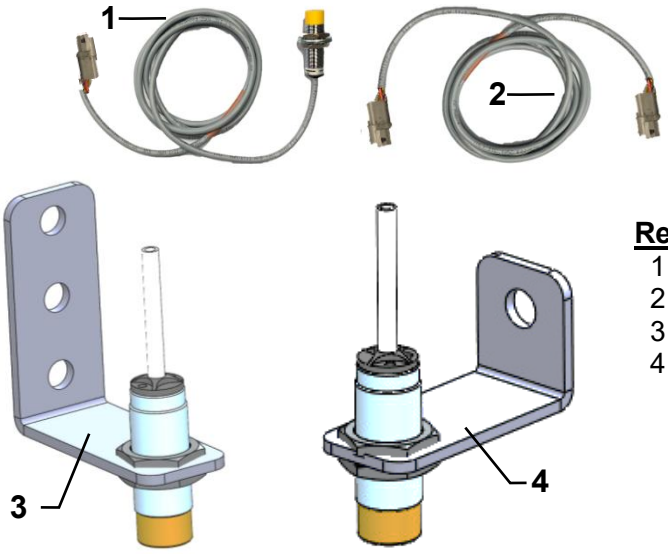
Connect Moisture Harness (006-7307EMK) to the plug on the bottom side of the 700 Series IPM Control box located on the pump plate mounted to the tank assembly. Route harness from the pump plate along existing baler wiring to the bottom RH corner of the bale chamber next to the tensioning cylinder.

From the bottom RH rear bale chamber corner, route moisture wire harness as follows:

1. Route wire with connector labeled 'LH-MC1' across the bottom of both bale chambers to the LH rear corner of the LH chamber. Bring wire forward to connect with plug on SW1.
2. Route wire with connector labeled 'LH-MC2' across the bottom of the RH chamber to the RH rear corner of the LH chamber. Bring wire forward to connect with plug on SW2.
3. Route wire with connector labeled 'RH-MC2' across the bottom of RH chamber to the LH rear corner of the RH chamber. Bring wire forward to connect with plug on SW3.
4. Route wire with connector labeled 'RH-MC1' from the RH rear corner of the RH chamber forward along the bottom of the RH chamber to connect with plug on SW4.

Secure all wires to baler with cable ties and p-clips. Be sure to secure wires away from moving parts to avoid damage to moisture harness.

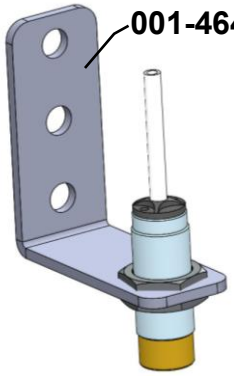
End of Bale (Flake/Stroke) Sensor Kit
EOB-7SS-G

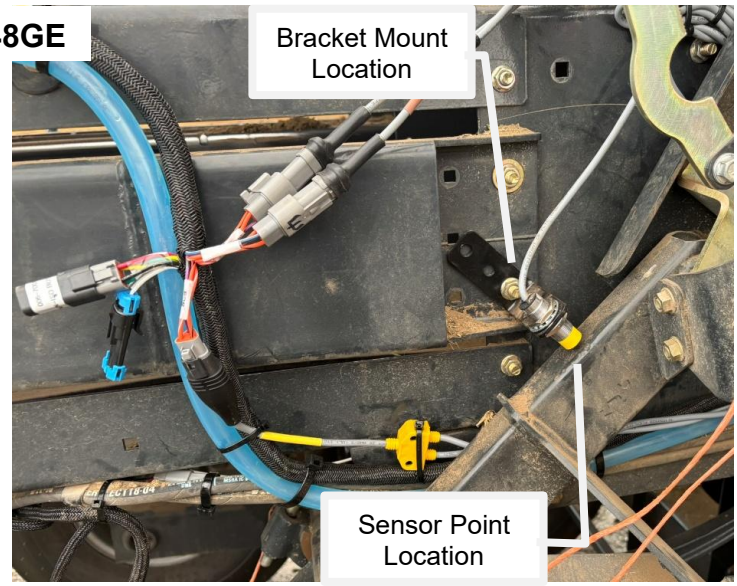


Ref	Description	Part #	Qty
1	End of Bale Sensor	006-7401	2
2	End of Bale Ext.	006-7401EXT	2
3	EOB Bracket	001-4648GE	1
4	Flake Counter Bracket	001-4648GF	1
	Complete Assembly	**EOB-7SS-G**	

End of Bale (EOB) Bracket and Sensor
Installation – 732 Applicator

On the RH side of the RH bale chamber, attach the EOB bracket (001-4648GE) to baler as shown, using existing factory bolt and hardware.





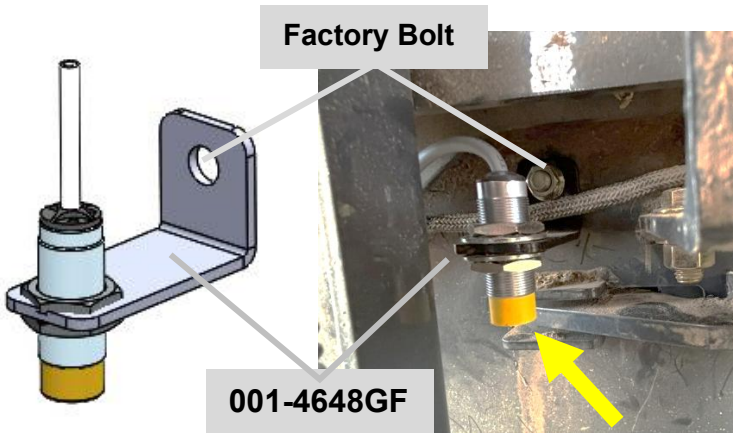
Insert the EOB Sensor (006-7401) into the large single hole on the bracket and aim the yellow sensor end at the top of the needle arm. Final spacing between the yellow end of the sensor and the top of the needle arm must be between 1/8” to 1/4” when located in the home position. Tighten the jam nuts.

Route EOB Sensor wiring along existing lines towards the lower RH rear corner of bale chamber. Secure EOB wiring to the moisture harness using cable ties. EOB Sensor Extension Harness (006-7401EXT) will be used to connect EBO sensor to the main baler wiring harness (006-762B) port labeled ‘EOB’.

Flake/Stroke Count Sensor and Bracket
Installation – 732 Applicator

Sensor will be mounted to the RH side of the bale chamber hay dog. Locate existing factory bolt above this hay dog and remove to attach flake count sensor.

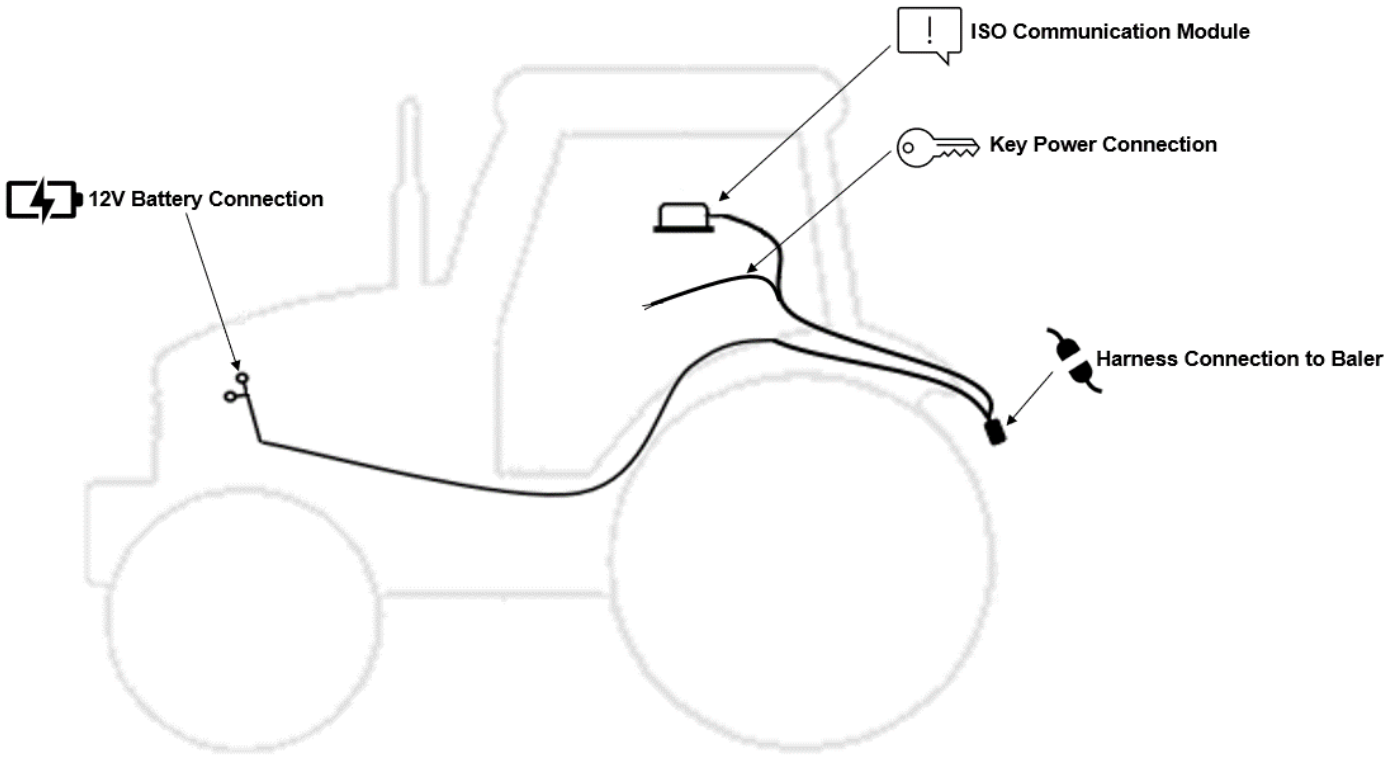
Install the Flake Sensor (006-7401) into the Flake Counter Bracket (001-4648GF) and secure loosly with supplied jam nuts. Install the flake sensor bracket using the factory bolt located on the bale chamber above the hay dog.



Adjust the flake sensor in the bracket so it will be directly over the hay dog as it retracts from the chamber when each flake is made. Allow 1/8” to 1/4” gap between the yellow end of the flake sensor and the top of the haydog. Ajdust sensor and tighten jam nuts to secure.

Sensor Extension Harness (006-7401EXT) will be used to connect flake sensor to the main baler wiring harness (006-762B) port labeled ‘Stroke Counter’. Secure EOB wiring to the moisture harness using cable ties.

Tractor Setup



The general tractor setup of the 700 Series applicator can be seen above. The main harness of interest is the tractor power/communication harness (006-765IC). This harness will connect at the tractor battery, to the ISO Communication Module (ICM) mounted in the cab, a keyed power connection point, and connect at the hitch area to the baler power/communication harness (006-762B). View below to see highlighted installation instruction:

12V Battery Connection

The 12V battery connection must be at the tractor battery. Connection to alternative locations such as an accessory port can cause problems with applicator system.
MUST BE CONNECTED DIRECT TO TRACTOR BATTERY TERMINALS

ISO Communication Module

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

Key Power Connection

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

Harness Connection to Baler

The tractor harness connects at the hitch to baler power/communication harness (006-762B). This will allow the system components to communicate with one another. Ensure connections are debris and corrosion free.

Display Options

Optional Harvest Tec Display

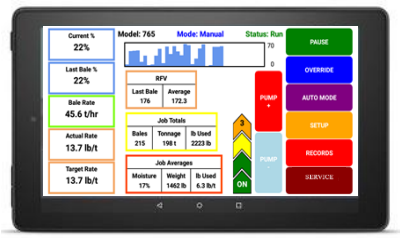
The 700 series Harvest Tec Display will allow you to set your real time baling parameters to ensure the most precise application to every bale. This is done by utilizing the improved touch technology to select objects, enter data, and swipe through operational screens.

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

Note: The Harvest Tec Display must be used as a standalone display, the baler cannot run both ISO integrated (with compatible large square balers only) and also on the Harvest Tec Display. Must be one or the other. Removal of the baler integration harness is required to use the HT Display. Baler ISO integration option is not available for small square and round baler systems.

Optional Tablet Display

Precision Baling App

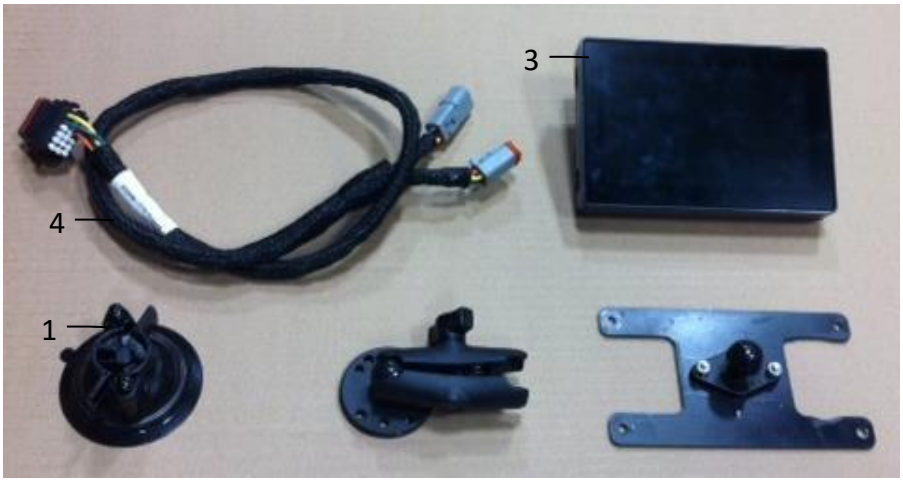


The iOS or Android Tablet displays offer the ability to communicate with the 700 series applicator system via hard-wired connection to the ISO Communication Module (ICM). Through the free Precision Baling App, the operator can set real time baling parameters to ensure the most precise application to every bale. This provides a multi-use option while utilizing the improved app to select objects, enter data, and easily switch through operational screens.

The Tablet Display offers easy integration by connecting a data transfer/charging cable to the USB port on the ICM module (USB port closest to LED light). The Harvest Tec Applicator will display upon opening the app and powering up the applicator system when connected. Tablets can be used in addition to ISO integrated baler VT display (on compatible large square baler systems only).

***Made for iPad® (iOS 15 or higher) or Android Tablet (Does not work with Amazon Fire).**
Required to be running the current operating system or one version previous.
iPads 10+ years are no longer supported by Apple and are unable to download app.
*iPad is a trademark of Apple Inc., registered in the U.S. and other countries.

Optional Harvest Tec Display Kit (030-7670DK)



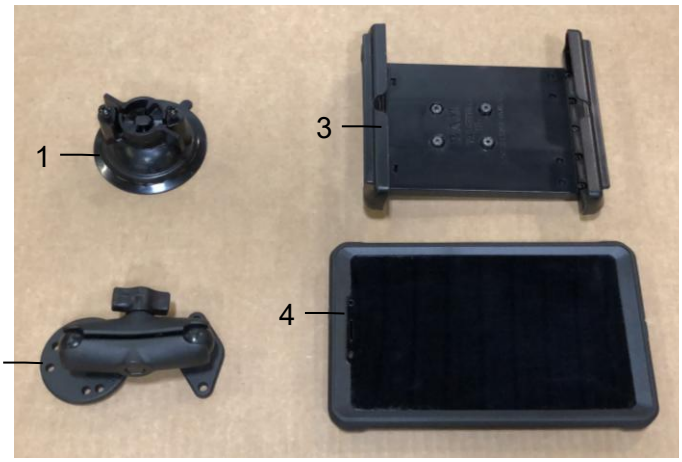
Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Harvest Tec Display	006-765GVT	1
4	Display Harness	006-765GH	1
5	Mounting Plate	001-700GH	1
NP	700 Series Resistor	006-700R	1

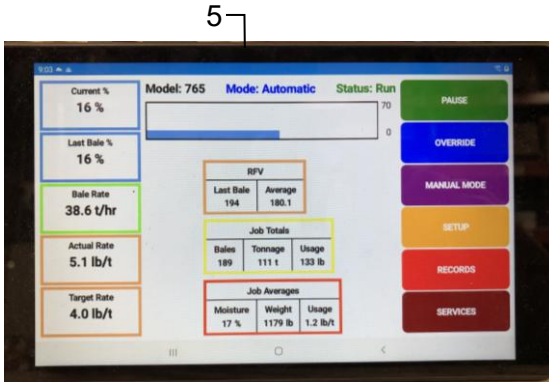
Installation Instructions

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

NOTE: CANNOT OPERATE APPLICATOR SYSTEM WITH HARVEST TEC DISPLAY AND BALER ISO INTEGRATION or TABLET/ iPAD AT THE SAME TIME.

Optional Android Display Kit (030-1670DK)

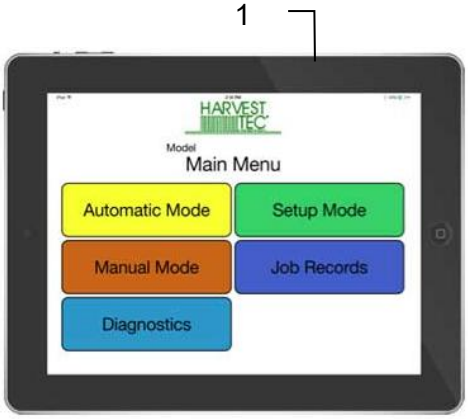


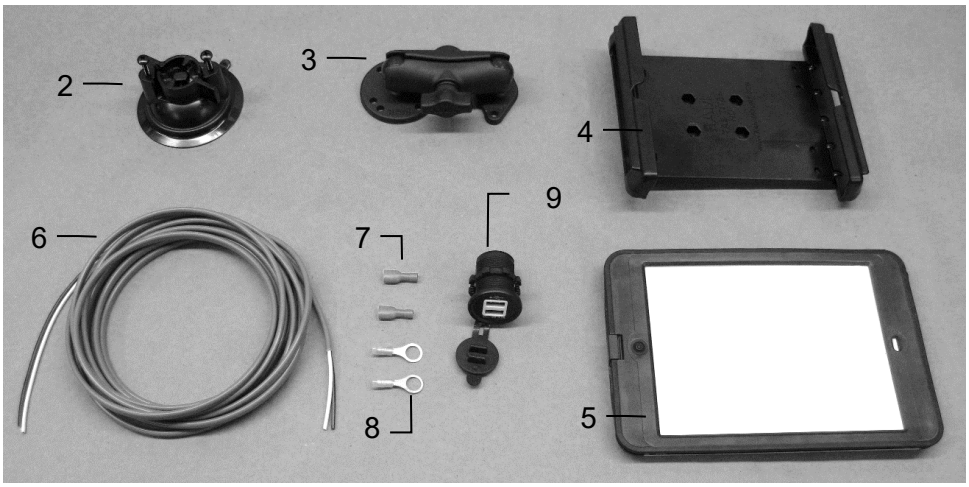


Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Spring Load Cradle	001-2012SLC	1
4	Android Case	001-2012A1	1
5	Android Tablet	006-1670AT	1
NP	USB-C to USB-A Cable	006-6672USBX	1

Note: Use a quality communication cable ending with a USB-A connection to connect tablet to (006-765ICM) control module - plug into the USB port showing a tablet.

Optional iPad Display Kit (030-4670DK)





Ref	Description	Part #	Qty
1	iPad Mini 4 (Refurbished)	006-4670IP	1
2	Suction Cup Mount	001-2012SCM	1
3	Ram Mount	001-2012H	1
4	Spring Load Cradle	001-2012SLC	1
5	iPad Mini 4 Case	001-2012C4	1
NP	Lightning Comm. Cable	006-6672USBC	1
6	Power Harness	006-4723P	1
NP	4 amp Fuse	Hardware	1
7	Female Spade Connector	Hardware	2
8	Eye Loop Connector	Hardware	2
9	iPad Mini Charger 12V	001-2012P	1

Complete iPad Mini Kit 030-4670DK
(Includes 1-5 and Comm. Cable)

Mounting Kit Only 030-2014MK
(Includes all parts except iPad Mini 4)

12V Power Harness Installation Instructions (included with Mounting Kit Only)

1. Identify 12V power source for wires to connect.
2. Eye loops installed on harness 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 if needed for key power connection.
5. Harness comes with quick connectors the white and black wires.
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 ISO Display Adapter (006-7670A)

For use with a dedicated ISO display

The 700 Series Applicator has the option to tie into compatible dedicated ISO monitors by utilizing the diagnostic port. When connected, the Harvest Tec System will populate as its own object pool within the ISO display. When this object pool is selected, the ISO monitor will then function as a dedicated monitor for the Harvest Tec System.

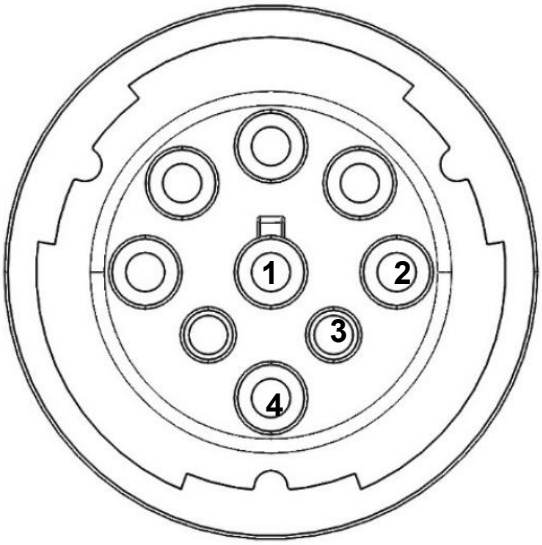
The Harvest Tec System will function as a stand-alone system with the 006-7670A adapter. System will not integrate with the ISO system software using this adapter.

Any tablet connected to the ICM module must be disconnected from the ICM before the Harvest Tec program screen will activate within the ISO display.

To connect adapter 006-7670A, unplug the 4-pin 006-765CPH Key Power Plug connection from the 006-765IC Tractor Harness and replace with the plug from the 006-7670A Adapter. Connect the round plug end of the 006-7670A Adapter to the Tractor ISO Display Diagnostic port.

Scan the QR code to view a short video for the 7670A Adapter Harness for ISO Display:

For additional product and service information:
See our YouTube Channel https://www.youtube.com/@harvesttec



Pin 1	Black	Ground
Pin 2	Yellow	CAN High
Pin 3	Green	CAN Low
Pin 4	Red	12V+ Key Power

Optional Crop Eye Forage Indicators
Installation – Kubota Double Balers

Sensor Placement: Crop eye sensors must be mounted directly across from each other on the baler pickup.

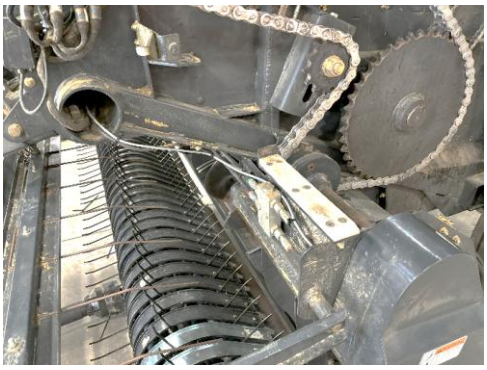
1-1/4” holes will need to be made in each side of the pickup. Reference picture at right to locate where the 1-1/4” hole saw hole will be placed on both sides of the pickup: Measure 2” rearward from the front edge of the flange (white line) and mark a line parallel. Next measure 1-1/2” downward from the top of the flange (red line). Center and cut the 1-1/4” hole at the intersection of these two lines, ensuring that there will be clearance for the plastic sensor nut on the opposite side of the flange where the material is double thickness.

Place the Red Receiver Eye Sensor (006-7502R) on the RH side of the pickup, and the Green Emitter Eye Sensor (006-7502E) to the LH side of the pickup. Secure to baler using the plastic crop eye retaining nut. Position the sensor connectors either downward or angled back towards the base of the mounting bracket of the white roller.

Harness Routing:
Place the yellow junction of the EOR Harness (006-7502H or 006-7503H) in the proximity of the Hose Manifold for Electronic systems or Solenoid for Auto systems.

Route the red leg of the wire harness to the Red Crop Eye Sensor along the RH side of the pickup head. Route wire where it can be protected and secured while also not getting pinched or damaged.

Route the green leg of the wire harness through the center tube at the front of the baler to come out on the LH side of the baler. Follow existing wiring and hydraulic lines around the back side of the pickup head, to the pivot point, and continue to the LH green sensor.

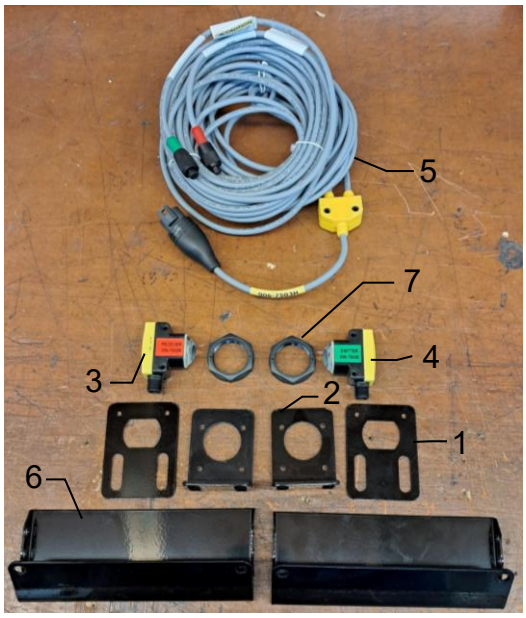


Secure wire to sensors and leave enough slack near pivot point of pickup head so wire will not be strained or broken when head is fully extended or retracted. Working backwards from the crop eye sensors, remove excessive slack from the wiring and secure in place with cable ties and p-clips.

For Electronic Systems Only:
Once excessive slack has been taken out of both the red and green crop eye wires back to the yellow junction, use Extension Wire (001-7500A) to connect the EOR harness (006-7502H) to EOR port on the bottom of the 457 Control Box located at the tractor cab. Route along baler tongue and secure wiring using cable ties.

For Auto Systems Only:
Once slack has been taken out of both the red and green wires back to the yellow junction, move the connector on the EOR harness (006-7503H) to connect with the plug labeled 'EOR' on the 006-762B harness. Secure excess wiring with cable ties.

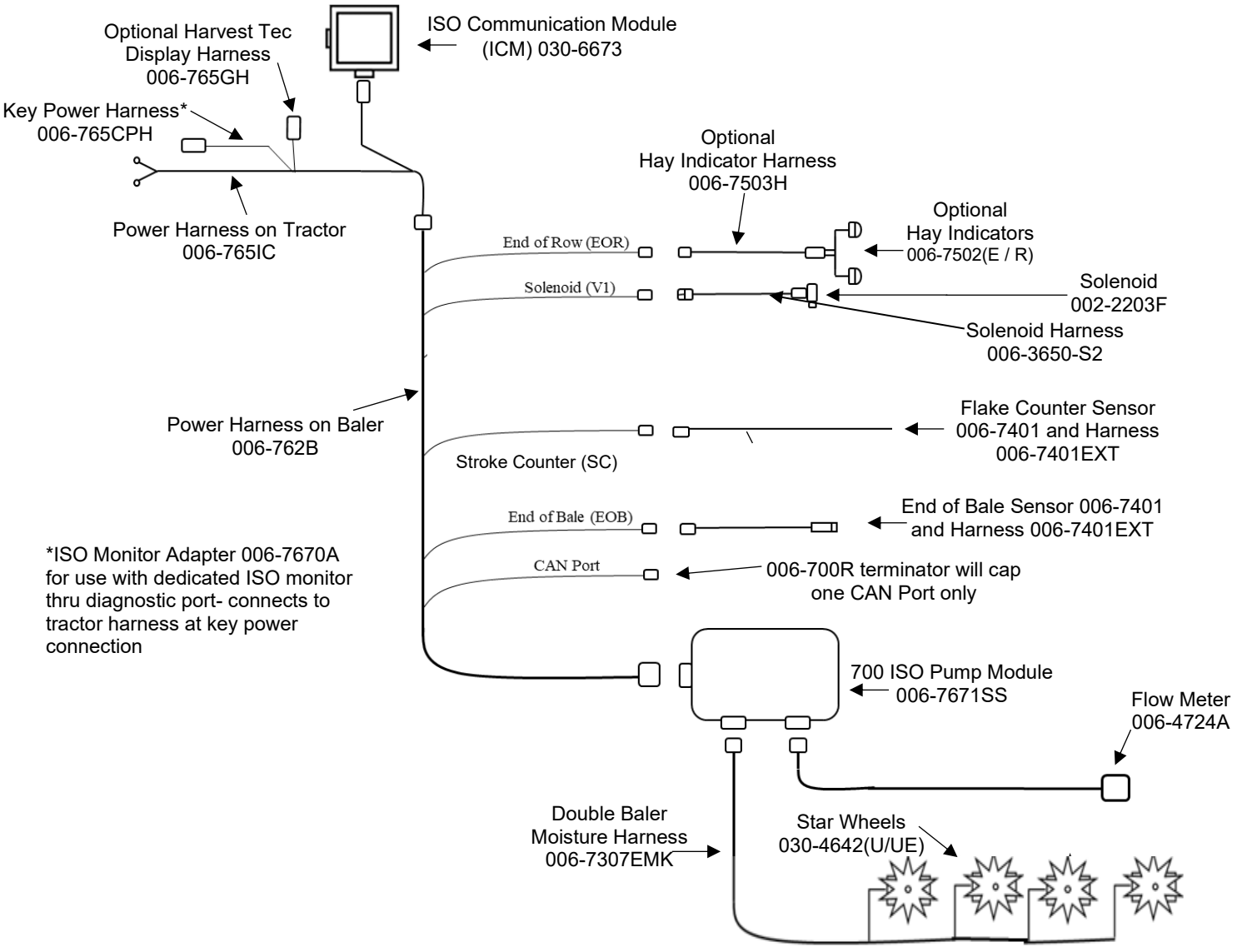
Harvest Tec 474C Parts Breakdown



Ref#	Description	Part #	Qty
1	Trash Plate	001-5105S	2
2	Hay Indicator Bracket	001-5105E	2
3	Sensor -Receiver (Red)	006-7502R	1
4	Sensor -Emitter (Green)	006-7502E	1
5	Hay Indicator Harness-Deutsch Plug	006-7503H	1
6	Hay Diverter (used with NH and Case IH SBX only)	001-5105F	2
7	Hay Indicator Retaining Nut (Replacement, included with crop eye)	006-7502N	2

Wiring Diagram – 732 High Capacity Double Baler

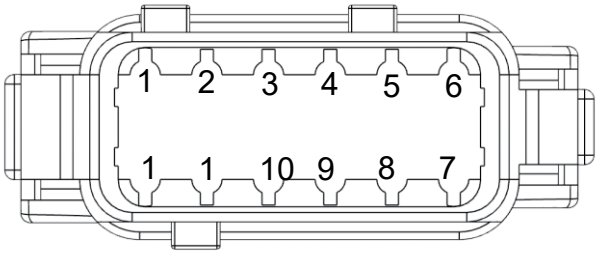
1. Connect the power harness (006-765IC) to the tractor battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.
   - **A. The power harness must be connected to the battery!**
     CONTACT HARVEST TEC BEFORE MODIFICATIONS.
     The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty
   - **B. This unit will not function on positive ground tractors.**
   - **C. If the unit loses power while operating it will not keep track of accumulated pounds of product used.**
2. The power harness on the tractor (006-765IC) will run from the tractor battery to the hitch. The power harness on the baler (006-762B) 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.
   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 (006-762B) to the EOB Sensor (006-7401).
6. Attach the Stroke Counter connection on baler harness (006-762B) to the Flake Count Sensor (006-7401).
7. Attach the Solenoid (SOL 1) connection on the baler harness (006-762B) to the solenoid (002-2203F).
8. Attach the Flowmeter (006-4724A) to the port on ISO Pump Module on pump plate assembly.
9. Attach the rubber Molded Connector from ISO Pump Module to the Pump (007-4120DE).
10. Attach Moisture Harness (006-7307EMK) to the port on the ISO Pump Module.
11. Ensure 006-700R Terminator is connected to CAN/IDM port on 006-762B harness.



Pin Outs – 700 Small Square Balers

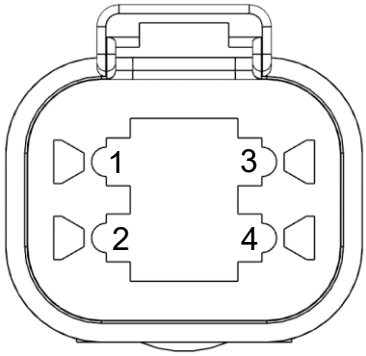
Integrated Control Module (ICM) on Tractor Harness 006-765IC
(Deutsch Plug Number: DTM06-12SA)

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



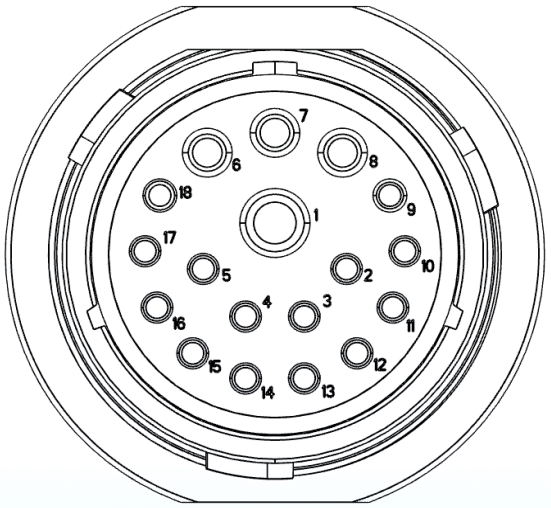
ISOBUS Plug on Tractor Harness 006-765IC
(Deutsch Plug Number: DT04-4P)

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

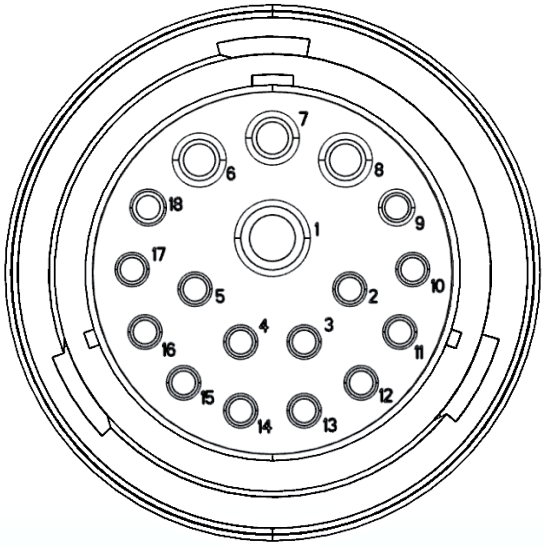
Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Purple	Signal Wire
Pin 11	Red/White	+12V CAN X
Pin 12	Black/White	Ground 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 Expainsion 3
Pin 18	Not Used	----



Pin Outs (continued)

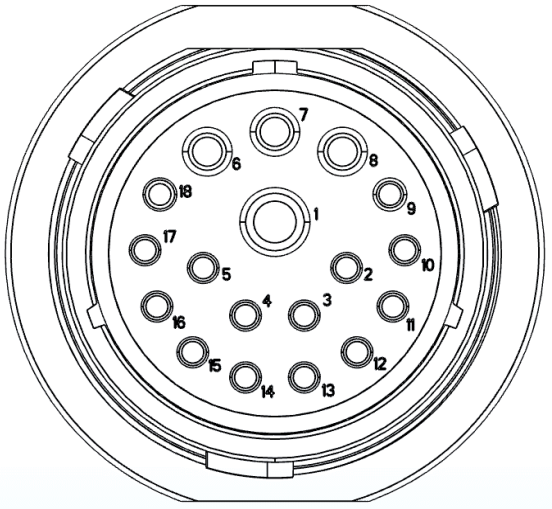
Power / Communication Baler Harness 006-762B at Baler Hitch
(Deutsch Plug Number: HDP26-24-18SN)

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	Orange/White	+12V Power to EOR
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 Baler Harness 006-762B at IPM Module
(Deutsch Plug Number: HDP24-24-18SN)

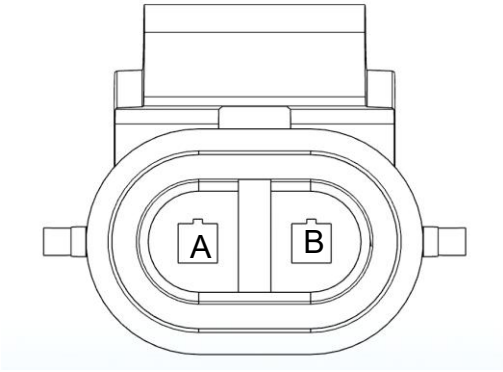
Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Orange/White	+12V Power to EOR
Pin 11	Orange/Black	Ground to EOR
Pin 12	Purple/Green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



*IPM Module Whip Plug- Pin # 5 Not Used

Solenoid 1 Plug on Baler Harness 006-762B
(Deutsch Plug Number: APTIV 12052641)

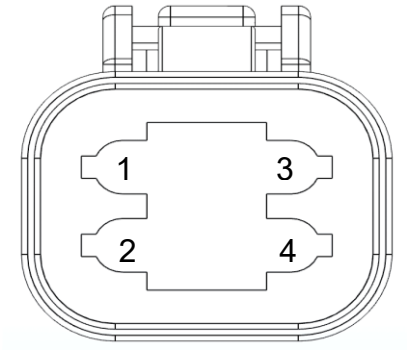
Pin B	Gray/Red	+12V to Solenoid 1
Pin A	White/Black	Ground to Solenoid 1



Pin Outs (continued)

CAN / IDM on Baler Harness 006-762B
(Deutsch Plug Number: DT06-4S)

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

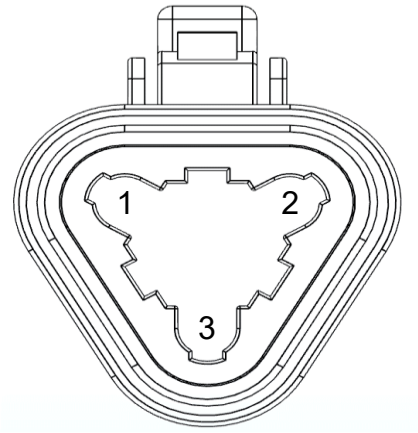


End of Bale (EOB) Sensor Plug on Baler Harness 006-762B
(Deutsch Plug Number: DT06-3S)

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

Flake/Stroke Counter Sensor Plug on Baler Harness 006-762B
(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

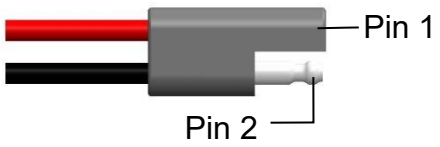


End of Row (EOR) Sensors Plug on Baler Harness 006-762B
(Deutsch Plug Number: DT06-3S)

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

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

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



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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