

Installation Manual

***Model 796A
For Non-ISO CNH/AGCO/MF
Large Square Balers
110 Gallon Preservative Applicator***



HarvestTec®

EST. 1976

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Introduction

Thank you for purchasing the 700 Series Preservative Applicator. This applicator system has been designed to be operated through a number of different displays and tablets using the Precision Baling App. These include the Harvest Tec VT display, the baler's ISOBUS and display on the baler monitor (if compatible/applicable), or iOS/Android Tablet (not included).

The 700 Series Preservative Applicator System is designed to apply Baler's Choice buffered propionic acid (made by Harvest Tec) to the forage crop as it is baled. **Use of alternative products may cause system complications and voids Harvest Tec manufacturer's warranty.** Failure to follow instructions can result in personal injury or equipment malfunction. If you need parts for the system, please view the Parts Breakdown within this manual and contact your local authorized dealer to order replacement parts.

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

System Requirements



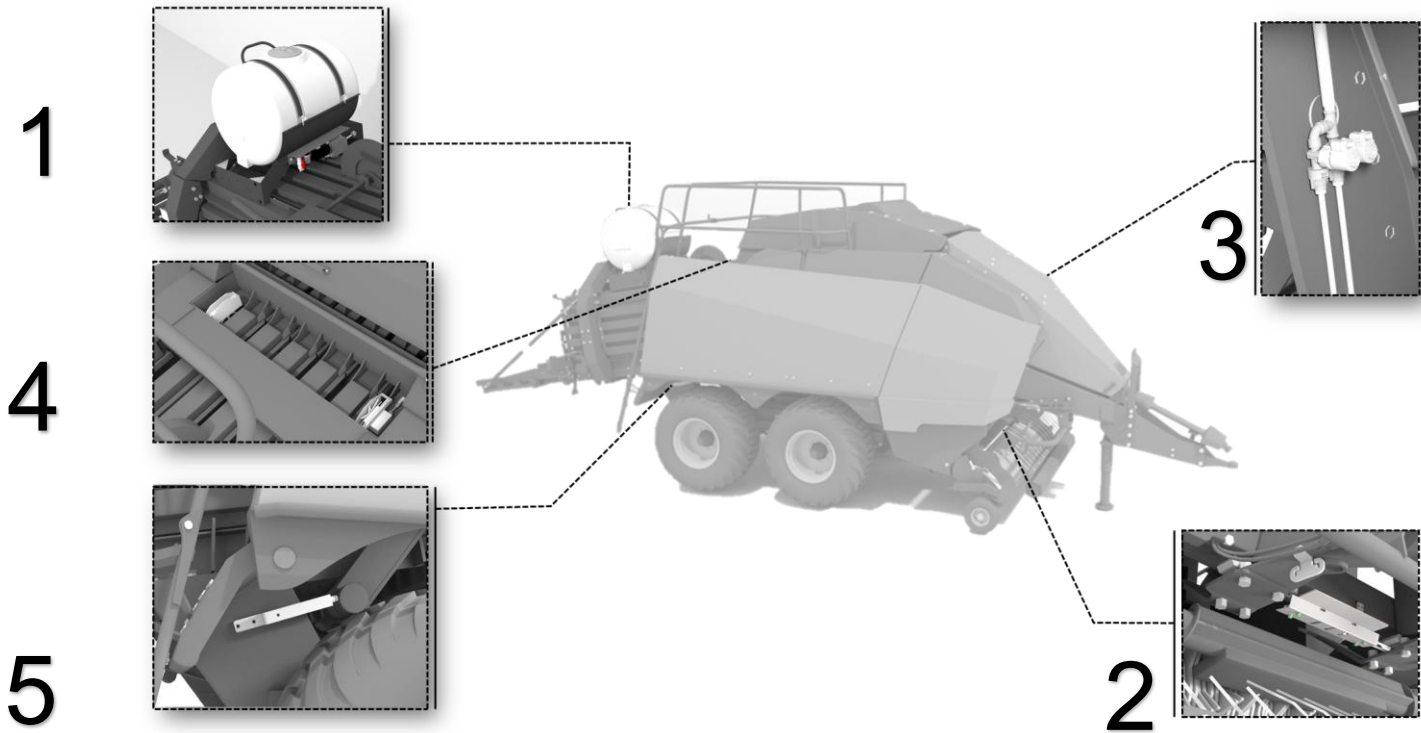
Made for Harvest Tec Display, Baler Integration, or Tablet
For best performance ensure all displays are running the latest operating system.



Tools Needed:

- Standard wrench set
- Electric drill and bits
- Side cutter
- Crescent wrench
- Standard screwdriver
- Center punch
- Standard nut driver set
- Standard socket set
- Hammer
- Metal cutting tools
- Hose cutter

System Overview



The 700 series applicator system consists of five main areas of installation, these include:

- 1) Tank Mounting Installation
- 2) Spray Shield Installation
- 3) Solenoid Installation
- 4) Star Wheel Installation
- 5) End of Bale Installation

Tank, Saddle, and Pump, Installation

This will mount on the bale chute towards the rear of the baler. All mounting and parts should be verified prior to beginning installation. Follow *Installation of Tank, Saddle, and Pump* section for step-by-step instruction.

Spray Shield Installation

The spray shield assembly is designed to spray the hay evenly as the baler picks it up. This holds the tips and is connected to plumbing to apply preservative as precisely as possible. Follow the *Installation of Spray Shield* section for sketches of the spray shield nozzle holders and step-by-step instruction.

Solenoid Installation

The dual solenoid setup is to be mounted as close to the spray shield as possible. This will provide the best result to ensure the proper output of preservative is applied through the nozzles. Follow *Installation of Solenoids and hose routing* section for step-by-step instructions.

Star Wheel Installation

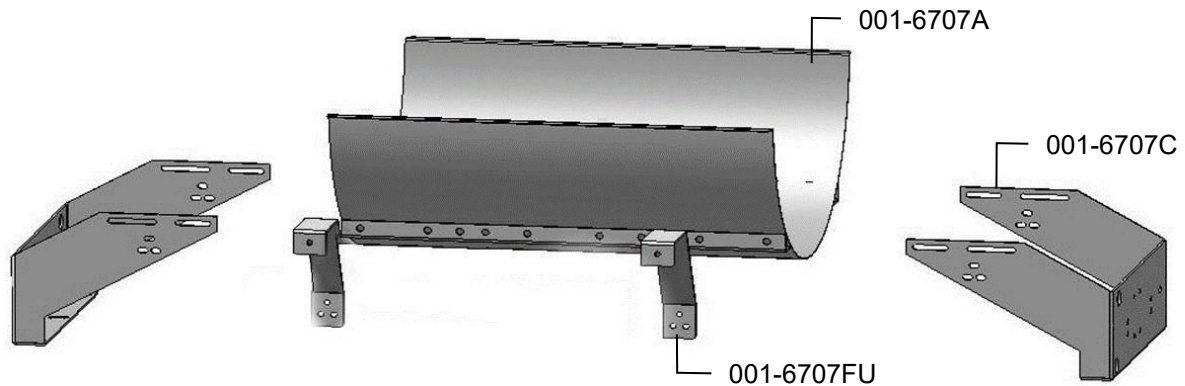
This is the moisture setup for the applicator system, installation will be done on top of the bale chamber so the star wheels can make sufficient contact with the bale. Follow *Installation of Star Wheel Moisture Sensor* sections for step-by-step instruction.

End of Bale Installation

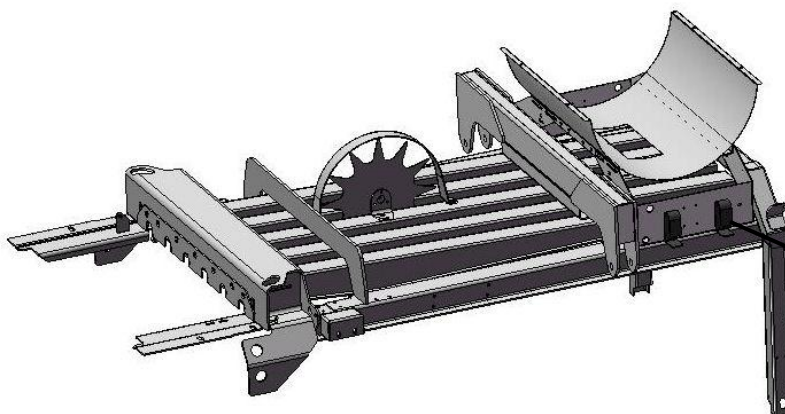
The end of bale sensor determines the position of the needles on the baler. When the needles cycle the sensor communicates this information to the 700 series. Installation of this sensor is required for use with the Harvest Tec Virtual Terminal. Follow *Installation of End of Bale Sensor* section for step-by-step guide.

Tank and Tank Saddle Kit (030-0491A-TK)

Hesston, MF, New Idea, Challenger, and Case 8575-8590 Balers:



1. Locate parts bag 2. Install both saddle legs (001-6707C) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" bolts, locks, and flat washers. Note: For 3 x 3 balers the slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides. For 3 x 4 or 4 x 4 balers the slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides.
2. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the outside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten bolts until mounted on the baler.
3. Locate parts bag 6. Mount the pump plate hangers (001-6707FR) to the saddle legs using six 3/8" x 1" bolts, locks, flats, and nuts. Note: This will be the same side as the handrail on the tank.
4. Mount the tank legs and saddle on the baler just behind the compression arm. If holes are not present, mark holes and drill with a 9/16" drill bit. The tank legs bolt to the baler with six 1/2" x 1 3/4" carriage head bolts, locks, flat washers, and hex nuts. Note: handrail is pointing toward front of baler. Tank cap should be parallel to ground.



For Hesston 4900, 4910 and Case 8590 Attach 001-6707H here.

110 Gallon - Tank, Saddle, & Legs

Massey Ferguson, Hesston and AGCO Balers



Tank Lid:

Part#: 005-9022H

Handrail

Part#: 001-6707HR

Tank-110 gallon

Part#: 005-9208

Tank Straps

Part#: 001-4402B

Tank Saddle

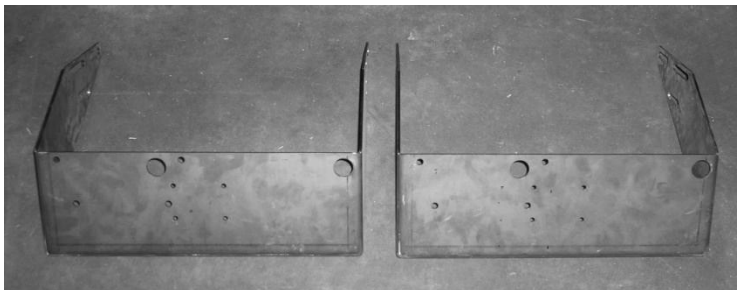
Part#: 001-6707A

Not Pictured: Elbow

Part#:003-EL3412

Tank Fitting

Part#: 005-9100



**AGCO, Hesston, Massey &
Challenger Saddle Legs**

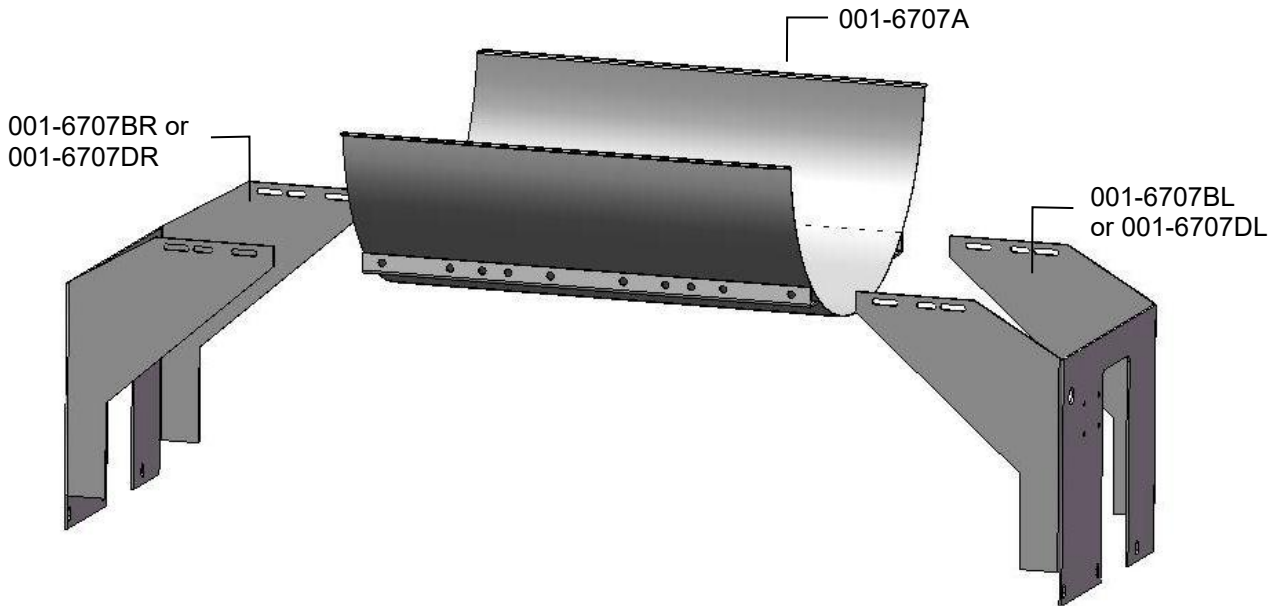
Part#: 001-6707C

Complete Tank Saddle Kit

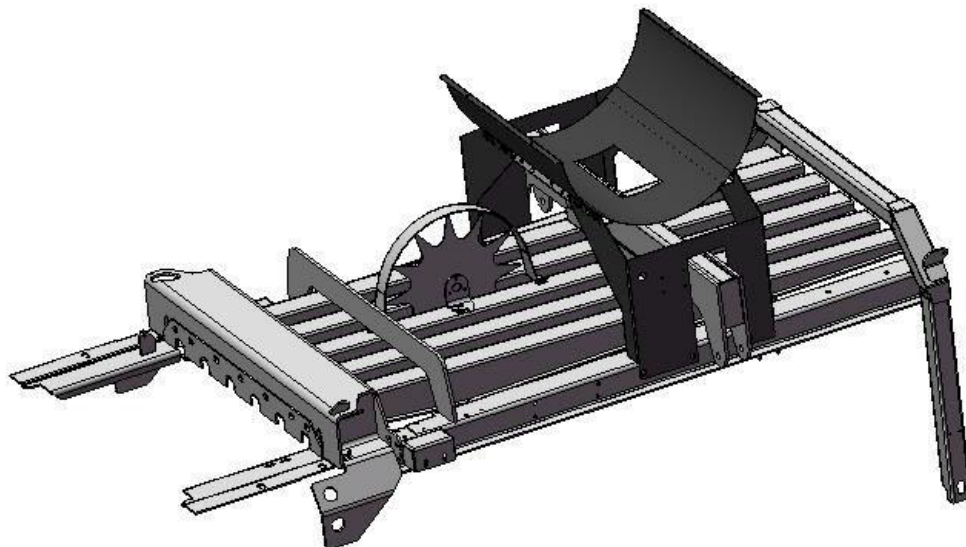
Part# 030-0491A-TK

Tank and Tank Saddle Kit (030-0491NH-TK or 030-0491NHL-TK)

Case IH and New Holland Balers

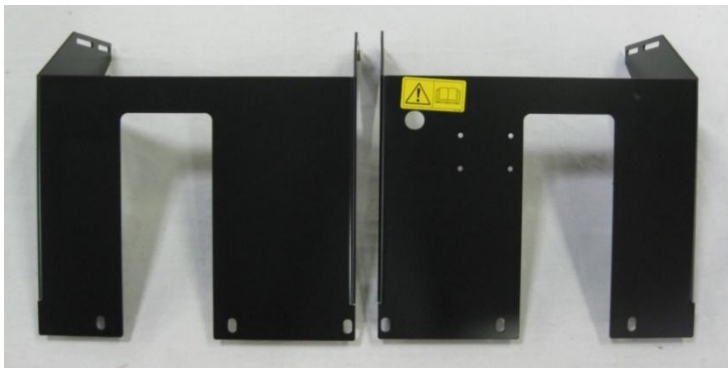
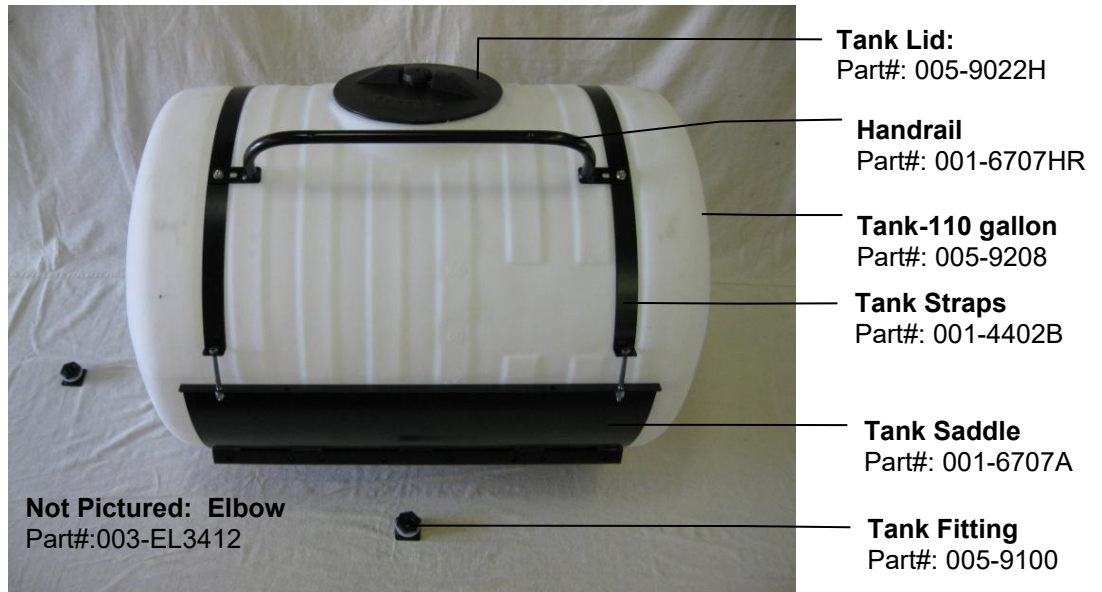


1. Locate parts bag 2. Install both saddle legs (001-6707BL & BR for 3 ft wide or 001-6707DL & DR for 4 ft wide balers) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" Bolts, locks, and flat washers. Note: 3 x 3 balers the mounting slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides. For 3 x 4 balers the mounting slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides. There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.
2. Once legs and saddle are loosely attached, measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler.
3. Mount the tank legs and saddle on the baler over the compression arm. If holes are not present, mark holes and drill with a 9/16" drill bit. The tank legs bolt to the baler with six 1/2" x 1 3/4" carriage head bolts, locks, flat washers, and hex nuts. Note: handrail is pointing toward front of baler. Tank cap should be parallel to the ground



110 Gallon - Tank, Saddle, & Legs

Install kits 4495C, 4497C, 4528C, 4529C - CNH Balers



**New Holland BB940A, BB960A and
Case IH LBX 332, LBX 432 Series**
(2010 and older, 4ft wide balers)

Left Leg part# 001-6707BL
Right Leg part# 001-6767BR

Complete Tank Saddle Kit
Part# 030-0491NH-TK



**New Holland BB940A, BB960A and
Case IH LBX 332, LBX 432 Series**
(2011 and newer, 4ft wide balers)

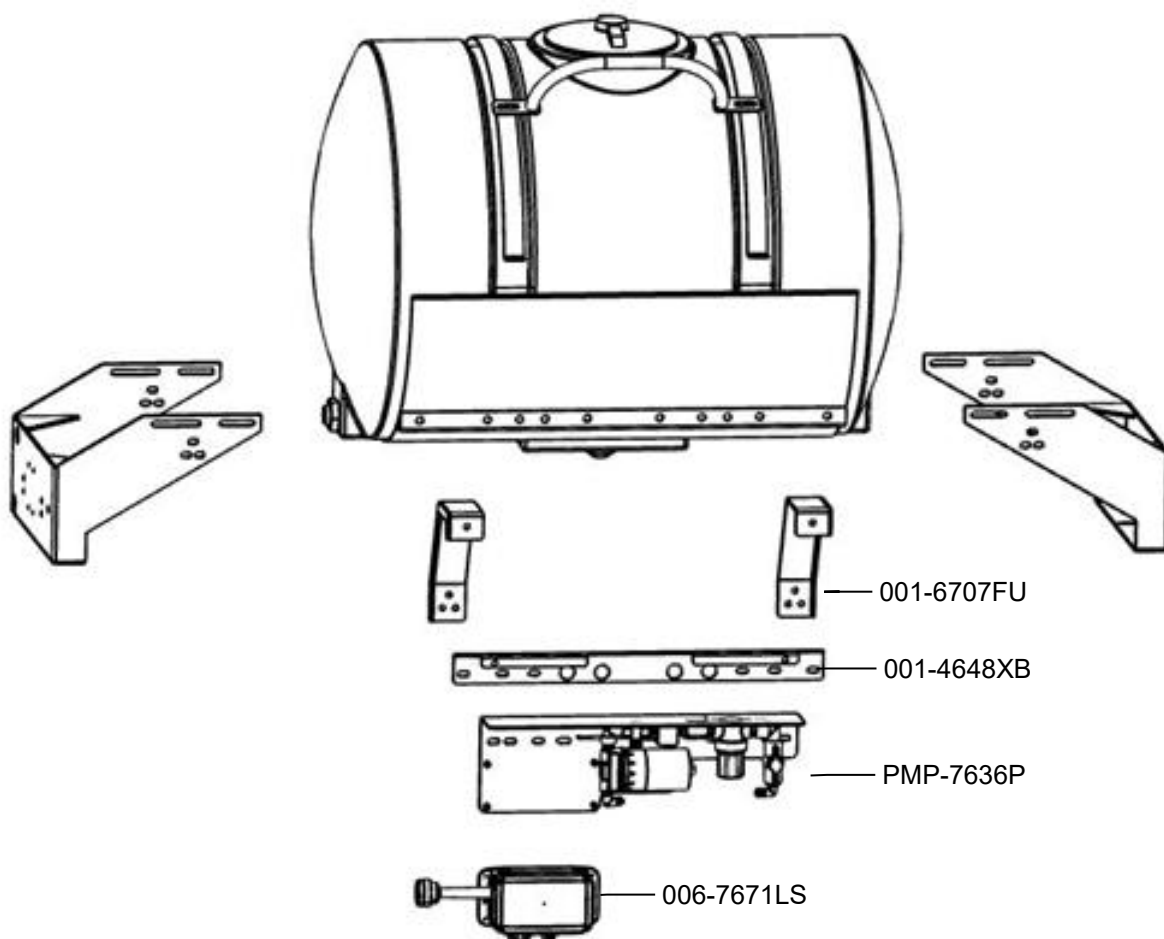
Left Leg part # 001-6707DL
Right Leg part # 001-6707DR

Complete Tank Saddle Kit
Part# 030-0491NHL-TK

Pump Plate Mounting (PMP-7636MMT) ***with pump plate hangers***

1. Attach (001-4648XB) Bracket to pump plate brackets (001-6707FU) with remaining hardware from #6 parts bag.
2. Connect control (006-7671LS) to pump plate (PMP-7636P) with four 10/32" x 5/8" Philips flat head screws and nylock nuts.
3. Attach triangle plug from flow meter to controls and rubber molded plug from pump to mating plug from control.
4. Attach pump plate assembly (PMP-7636P) to bracket (001-4648XB) with two 3/8" x 3/4" flange bolts and nuts.
5. Locate parts bag 16. Locate elbow (003-EL3412) and thread into bottom of tank.
6. Locate parts bag that was with pump plate assembly and choose fitting to place in valve next to filter.
7. Run 1/2" hose from bottom of tank to valve on pump plate and secure with hose clamps.
8. Chose and thread fitting into pump discharge.

Note: Pressure washing the pump plate can lead to water damage internally of the ISO Pump Module (IPM). DO NOT PRESSURE WASH PUMP PLATE

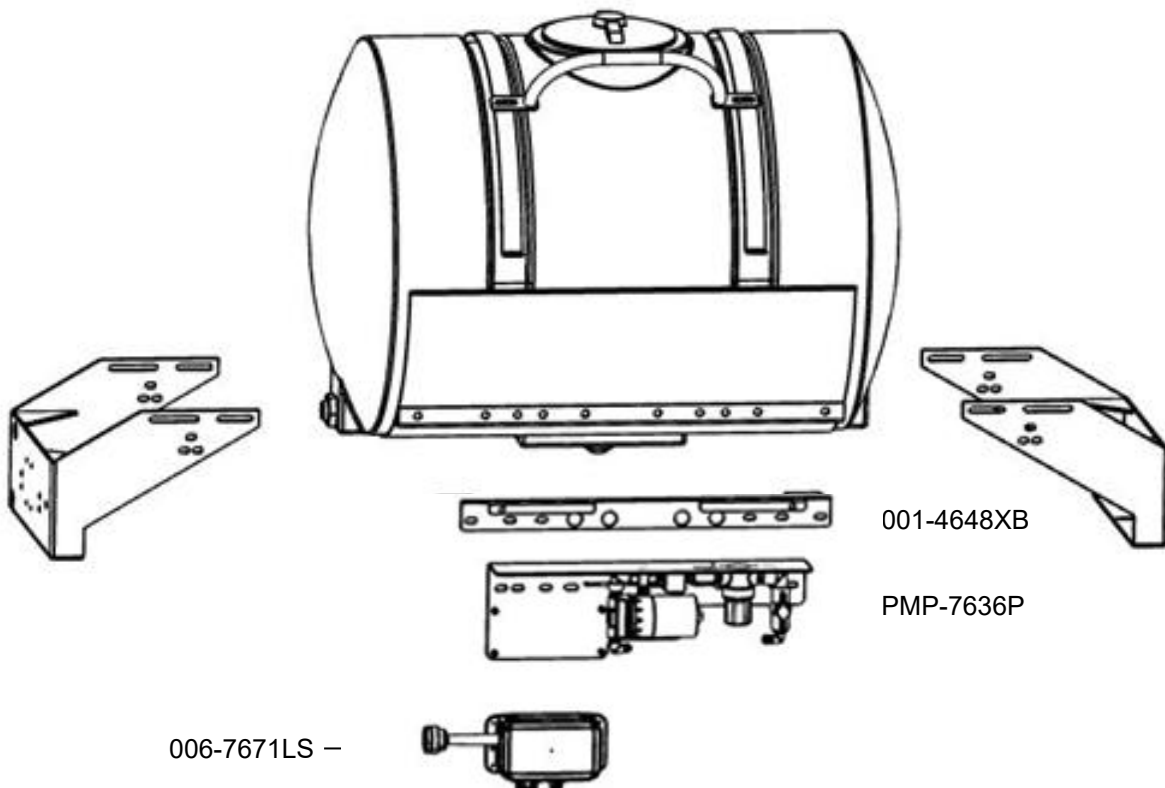


Pump Plate Mounting (PMP-7636SMT)

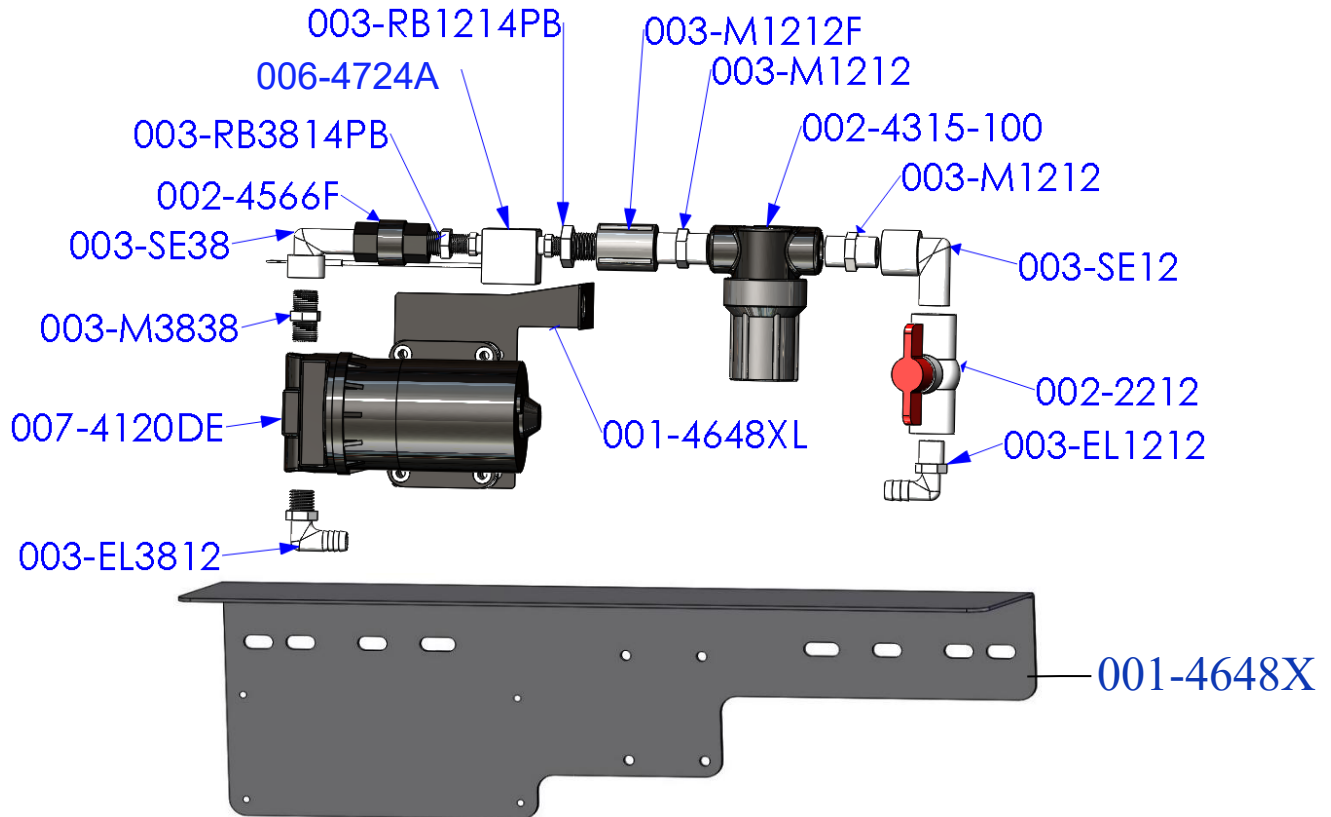
without pump plate hangers

1. Attach (001-4648XB) Bracket to main saddle. Holes in bracket will line up with holes in main saddle. You may need to remove two of the bolts used to attach saddle to legs for bracket to fit. Reuse bolts to secure bracket to saddle and legs. Note some Krone and Claas balers will require you to mount the pump assembly facing the rear of the baler due to interference with balers compression ring. However, most models will be facing the knotters.
2. Connect control (006-7671LS) to pump plate (PMP-7636P) with four 10/32" x 5/8" Philips flat head screws and nylock nuts.
3. Attach triangle plug from flow meter to controls and rubber molded plug from pump to mating plug from control
4. Attach pump plate assembly (PMP-7636P) to bracket (001-4648XB) with two 3/8" x 3/4" flange bolts and nuts.
5. Locate parts bag 16. Locate elbow (003-EL3412) and thread into bottom of tank.
6. Locate parts bag that was with pump plate assembly and choose fitting to place in valve next to filter.
7. Run 1/2" hose from bottom of tank to valve on pump plate and secure with hose clamps.
8. Chose and thread fitting into pump discharge.

Note: Pressure washing the pump plate can lead to water damage internally of the ISO Pump Module (IPM). DO NOT PRESSURE WASH PUMP PLATE



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

Pump Plate Mounting – PMP-7636SMT

001-4648XB Pump Plate Adapter

Pump Plate Mounting – PMP-7636MMT

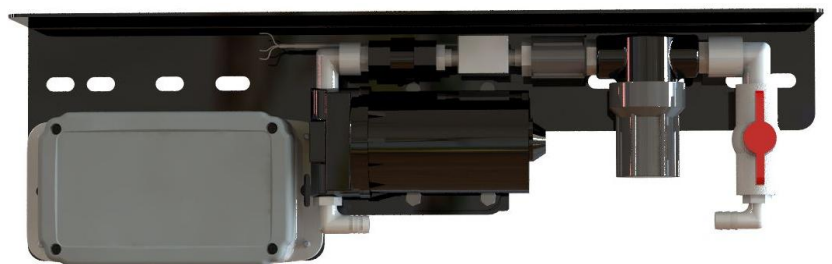
001-4648XB Pump Plate Adapter

001-6707FU Pump Plate Holder (qty 2 needed)

UHD Pump Plate Mounting – PMP-7636UMT

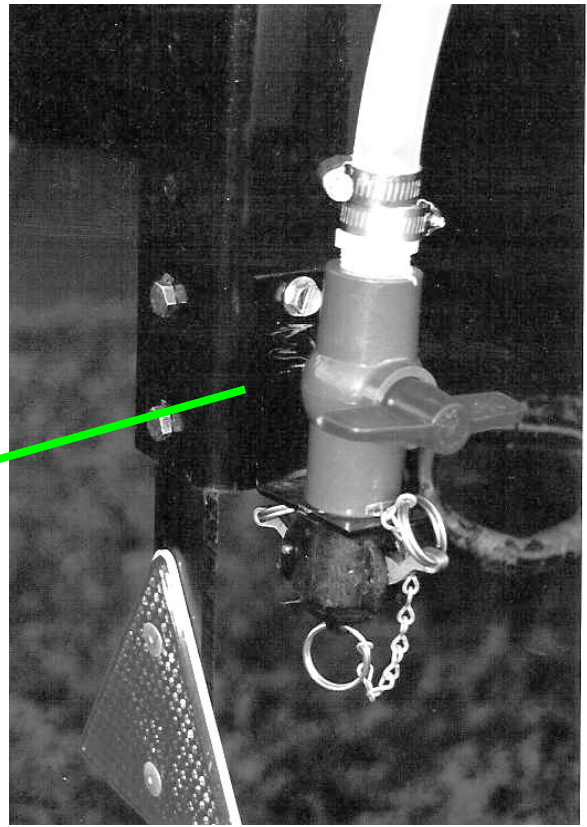
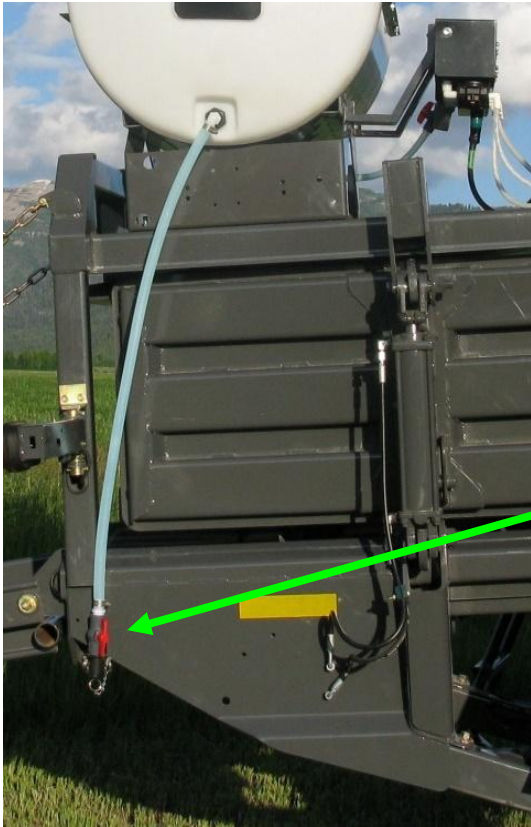
001-4648U Remote Pump Plate Mount (qty 2 needed)

Completed Assembly – PMP-7636P



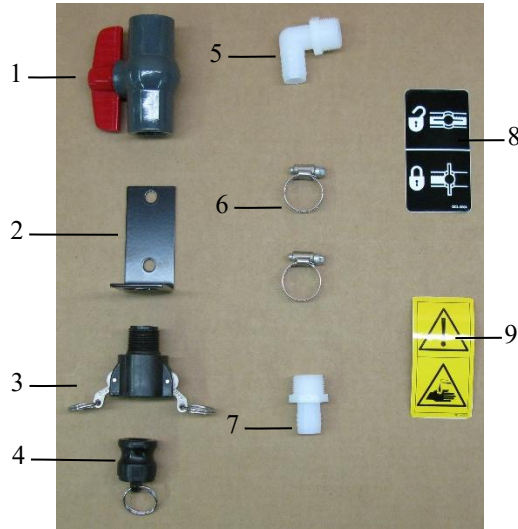
Drain/Fill Line Kit (030-0493DFK)

1. Locate Parts Bag 1.
2. Thread 3/4" elbow fitting into end of tank.
3. Run 3/4" hose from the elbow down the frame to the bottom of the baler.
4. Drill 1/4" (7mm) holes to accept the Valve Holder Bracket and use 5/16" x 1" self-tapping screws.
5. Connect valve assembly to other end of hose. Place hose clamps on both ends.
6. Secure hose to frame using cable locks.
7. Install supplied safety decals (DCL-8001 & DCL-8005) next to the ball valve assembly.



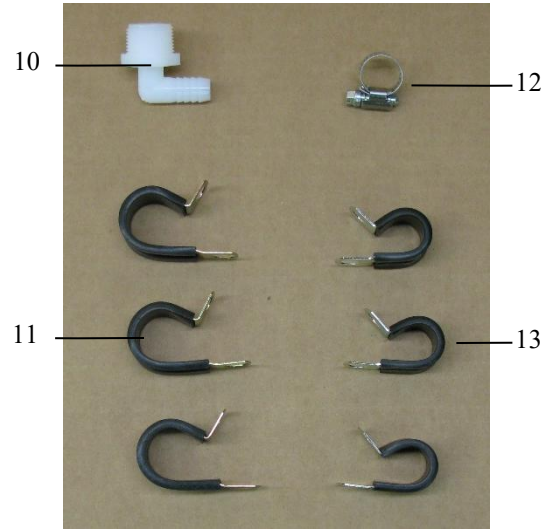
Parts Bags Breakdowns

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

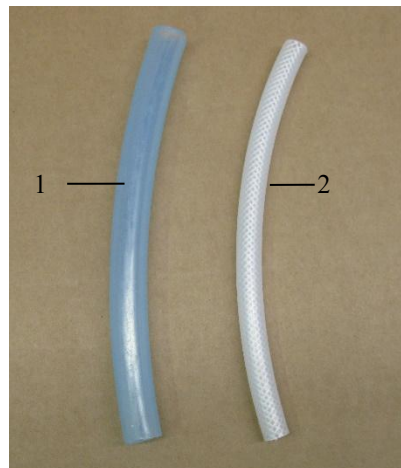
PBP-16



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

Complete Drain Fill Kit 030-0493DFK
(Includes 3/4" tubing below)

Hoses



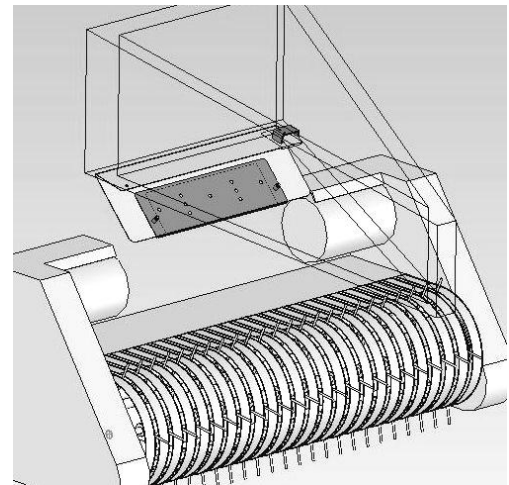
<u>Ref</u>	<u>Description</u>	<u>Part#</u>	<u>Qty</u>
1	1/2" Hose (Tank to Solenoid)	002-9001	30'
2	1/4" Hose (Solenoid to Tips)	002-9016	5'
NP	3/4" Hose (Drain/Fill Line)	002-9002	10'

Spray Shields

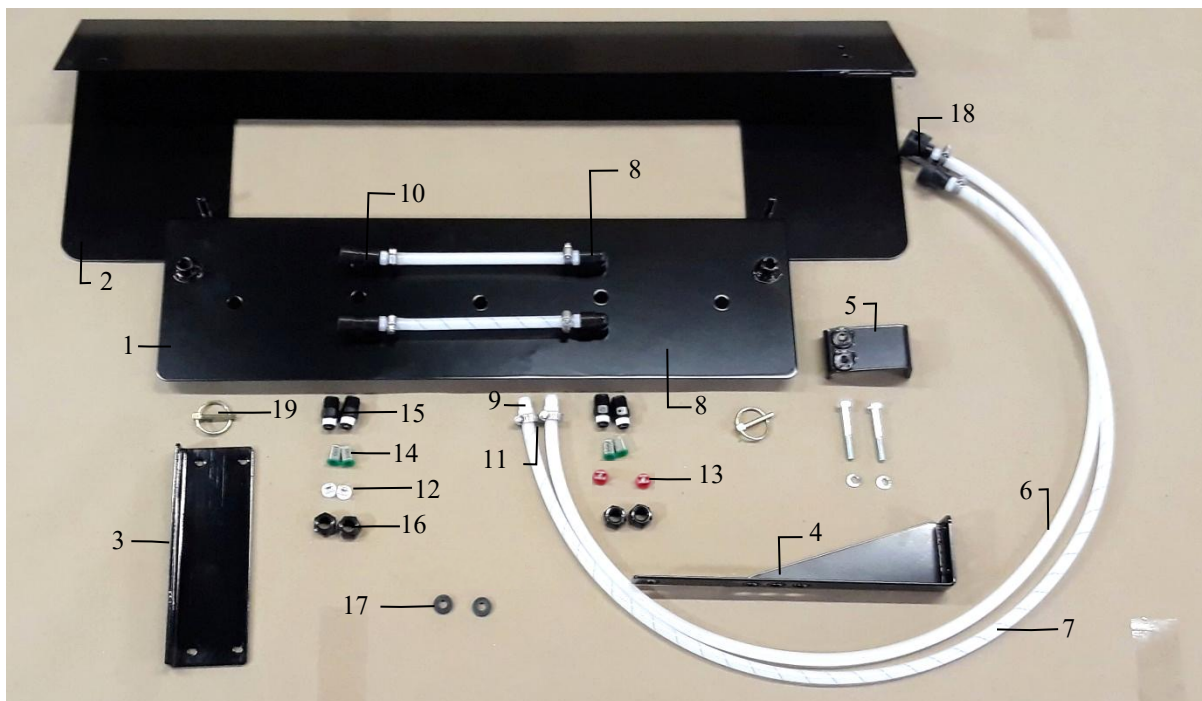
The spray shield assembly is designed to spray the hay evenly as the baler picks it up. A sketch of the spray shield nozzle holder and installation instructions are shown below.

Installation Kit 4490C

The spray shield holder will be installed underneath the baler's tongue. Bolt the right side up using the existing hole on the bottom lip of the baler. Use the clamp on the left-hand side to tighten the shield against the underside of the tongue. Tighten the clamp with the two bolts provided.



4490C Installation Kit Breakdown



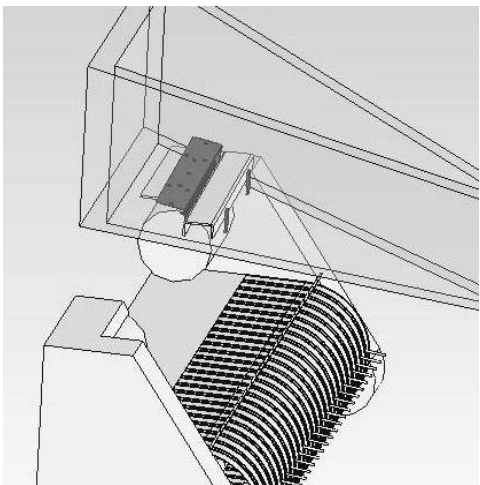
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray Shield	001-4421B	1	11	Mini Hose Clamp	003-9002	8
2	Shield Mounting Bracket	001-4421	1	12	1/4" Tip	004-XR11008VK	2
3	Hesston EOB Bracket	001-4648H	1	13	1/4" Tip	004-XR11004VK	2
4	End of Bale Bracket	001-4648	1	14	Tip Strainer-100 Mesh	004-1203-100	4
5	Backing Plate	001-4421A	1	15	Nozzle Body	004-4722	4
6	1/4" Braided Hose	002-9016	5	16	Nozzle Cap	004-4723	4
7	1/4" Braided Hose-Blue	002-9016B	5	17	Rubber Washer	004-1207W	2
8	1/4" Elbow Fitting	003-SE14F	2	18	Female Quick Connect	004-1207H	2
9	1/4" x 1/4" Straight Ftg.	003-A1414	8	19	3/16" Lynch Pin	008-4576	2
10	1/4" Tee Fitting	003-TT14SQ	2				

Complete Installation Kit

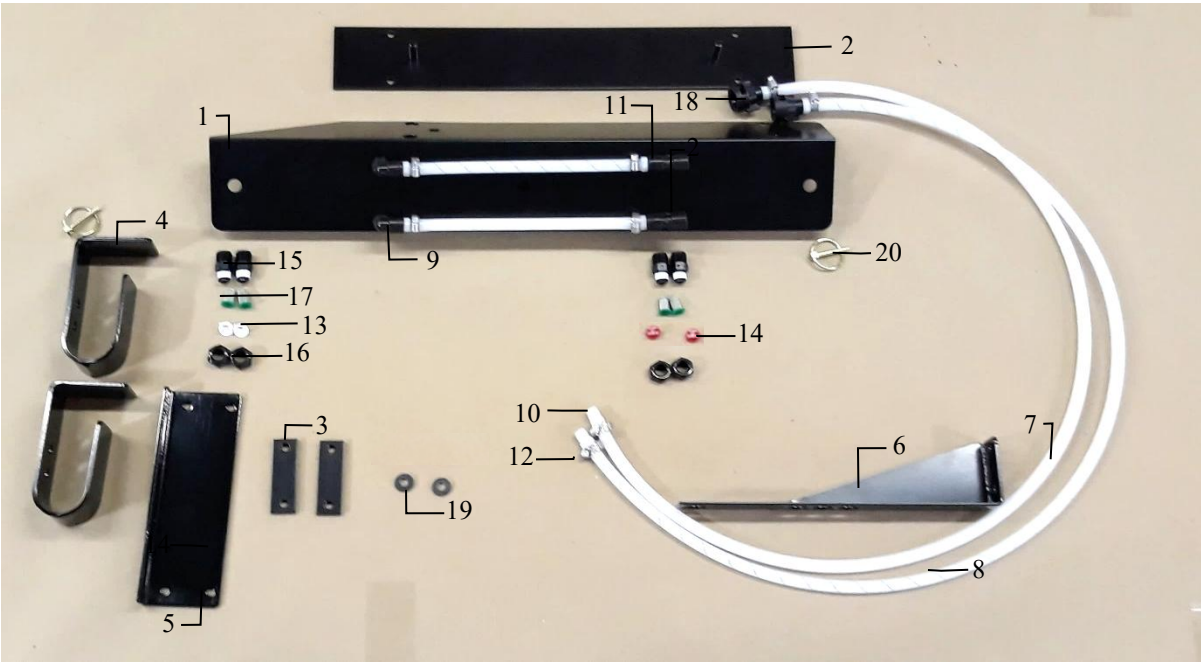
030-4490C

Installation Kit 4491C

Install the spray shield behind the baler's cross channel, which is located on the bottom side of the tongue behind the flywheel. Note the position of the bevel on the spray shield. Clamp the spray shield around the channel using the backing plates and the 1/4" x 7" (7mm x 18cm) bolts provided.



4491C Installation Kit Breakdown

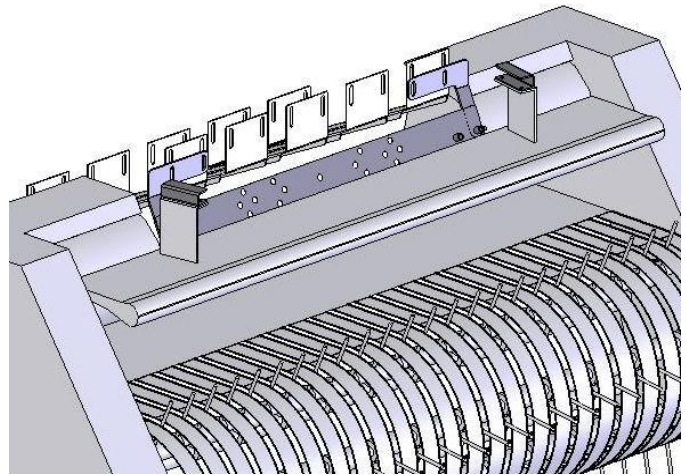


Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Spray Shield	001-4422	1	11	1/4" Tee Fitting	003-TT14SQ	2
2	Shield Mounting Bracket	001-4422B	1	12	Mini Hose Clamp	003-9002	8
3	Backing Plate	001-4422A	2	13	1/4" Tip	004-XR11008VK	2
4	Ladder Holder	001-6707H	2	14	1/4" Tip	004-XR11004VK	2
5	Hesston EOB Bracket	001-4648H	1	15	Nozzle Body	004-4722	4
6	End of Bale Bracket	001-4648	1	16	Nozzle Cap	004-4723	4
7	1/4" Braided Hose	002-9016	5	17	Tip Strainer-100 Mesh	004-1203-100	4
8	1/4" Braided Hose - Blue	002-9016B	5	18	Female Quick Connect	004-1207H	2
9	1/4" Elbow Fitting	003-SE14F	2	19	Rubber Washer	004-1207W	2
10	1/4" x 1/4" Straight Fitting	003-A1414	8	20	3/16" Lynch Pin	008-4576	2

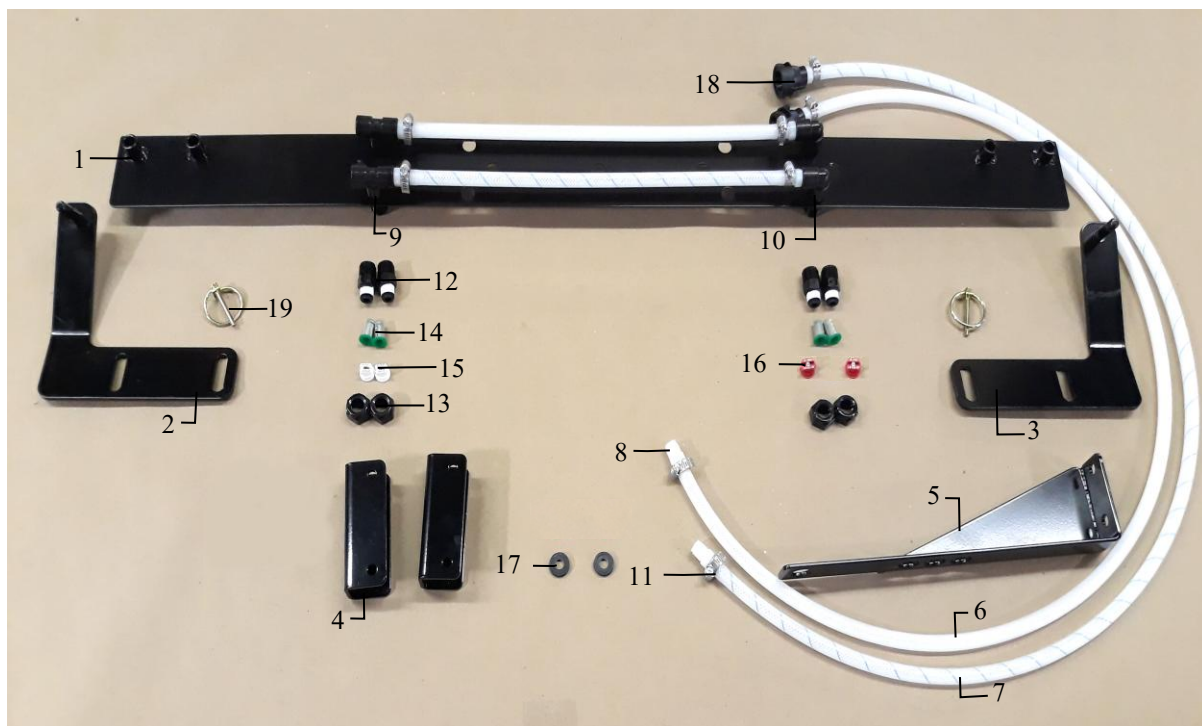
Complete Installation Kit 030-4491C

Installation Kit 4492C

Remove the two 3/8" carriage bolts that connect the wrapper extension to the angle support on each side. Place the brackets 001-4436DL and 001-4436DR between the angle support and the wrapper extension. Replace the bolts with 3/8" x 1-1/4" carriage bolts, nuts, locks, and flat washers. Before tightening pull down on wrapper extensions so when tightened the bolts are in the top of the wrapper extension slot. Install the wind guard stops 001-4436S as shown below. Two holes will need to be drilled per side. Mount using four 1/4" x 1" bolts, locks and nuts.



4492C Installation Kit Breakdown



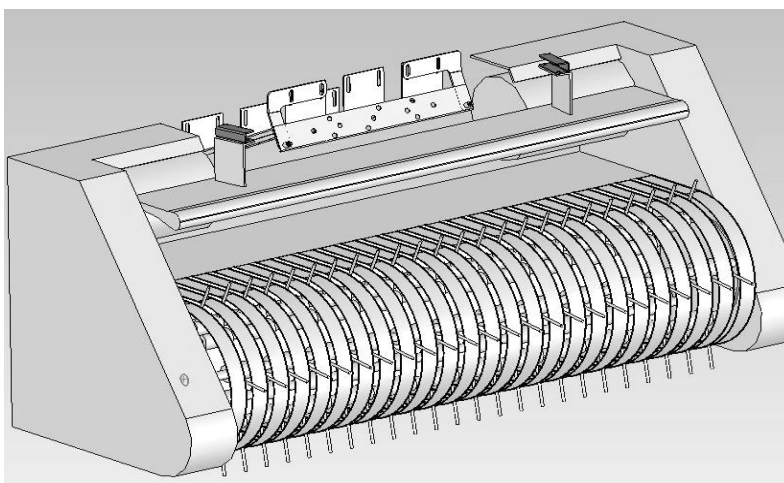
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray Shield	001-4811A	1	11	Mini Hose Clamp	003-9002	8
2	LH Shield Holder	001-4436DL	1	12	Nylon Nozzle Body	004-4722	4
3	RH Shield Holder	001-4436DR	1	13	Nylon Nozzle Cap	004-4723	4
4	Spray Shield Spacer	001-4436S	2	14	Tip Strainer	004-1203-100	4
5	End of Bale Bracket	001-4648	1	15	1/4" Tip	004-XR11008VK	2
6	1/4" Braided Hose	002-9016	5.5	16	1/4" Tip	004-XR11004VK	2
7	1/4" Braided Hose – Blue	002-9016B	5.5	17	Rubber Washer	004-1207W	2
8	1/4" x 1/4" Straight Fitting	003-A1414	8	18	Female Quick Connect	004-1207H	2
9	1/4" Tee Fitting	003-TT14SQ	2	19	3/16" Lynch Pin	008-4576	2
10	1/4" Elbow Fitting	003-SE14F	2				

Complete Installation Kit

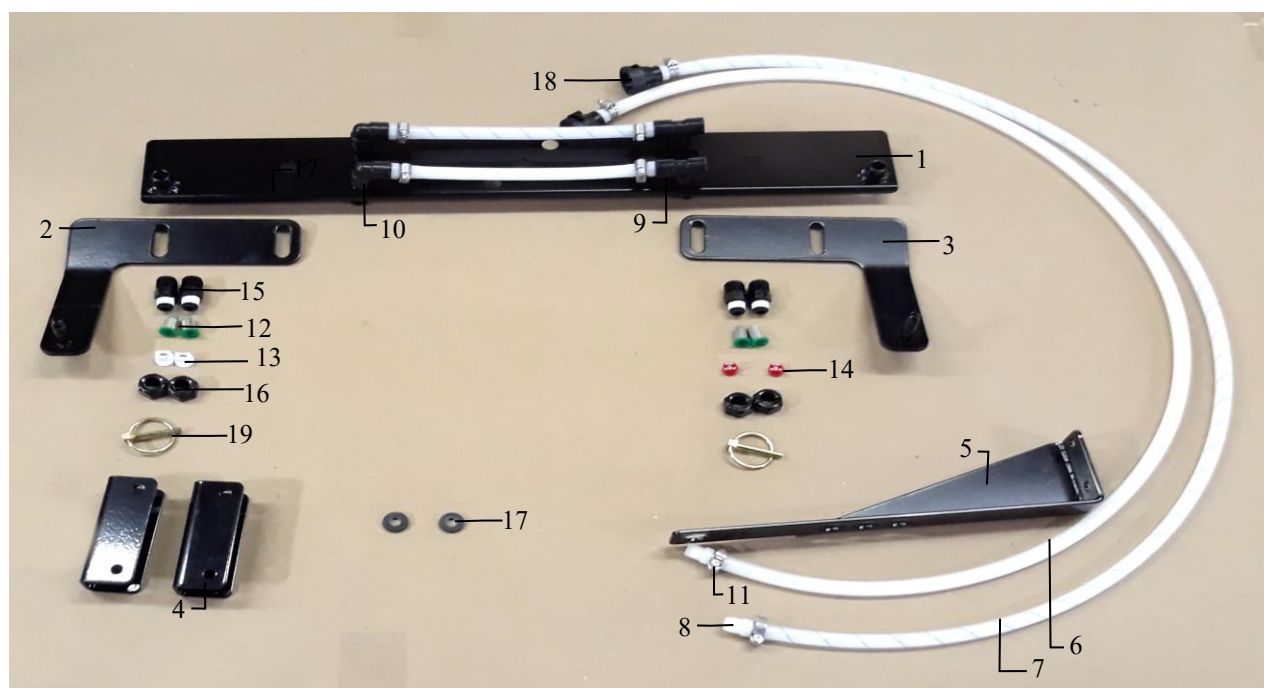
030-4492C

Installation Kit 4494C

Remove the two 3/8" carriage bolts that connect the wrapper extension to the angle support on each side. Place the brackets 001-4436DL and 001-4436DR between the angle support and the wrapper extension. Replace the bolts with 3/8" x 1-1/4" carriage bolts, nuts, locks, and flat washers. Before tightening pull down on wrapper extensions so when tightened the bolts are in the top of the wrapper extension slot. Install the wind guard stops 001-4436S as shown below. Two holes will need to be drilled per side. Mount using four 1/4" x 1" bolts, locks and nuts.



4494C Installation Kit Breakdown



<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	Spray Shield	001-4810	1	11	Mini Hose Clamp	003-9002	8
2	LH Shield Holder	001-4436DL	1	12	Tip Strainer-100 Mesh	004-1203-100	4
3	RH Shield Holder	001-4436DR	1	13	1/4" Tip	004-XR11008VK	2
4	Spray Shield Spacer	001-4436S	2	14	1/4" Tip	004-XR11004VK	2
5	End of Bale Bracket	001-4648	1	15	Nylon Nozzle Body	004-4722	4
6	1/4" Braided Hose	002-9016	5	16	Nylon Nozzle Cap	004-4723	4
7	1/4" Braided Hose – Blue	002-9016B	5	17	Rubber Washer	004-1207W	2
8	1/4" x 1/4" Straight Fitting	003-A1414	8	18	Female Quick Connect	004-1207H	2
9	1/4" Tee Fitting	003-TT14SQ	2	19	3/16" Lynch Pin	008-4576	2
10	1/4" Elbow Fitting	003-SE14F	2				

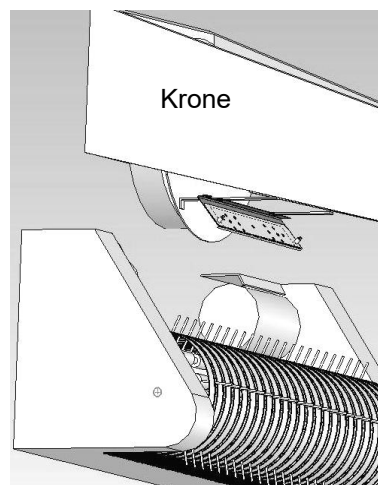
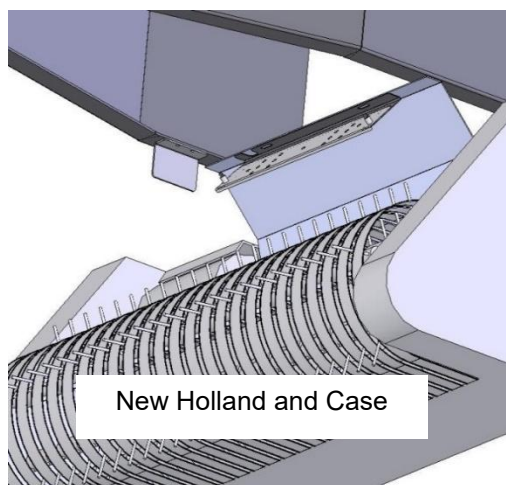
Complete Installation Kit

030-4494C

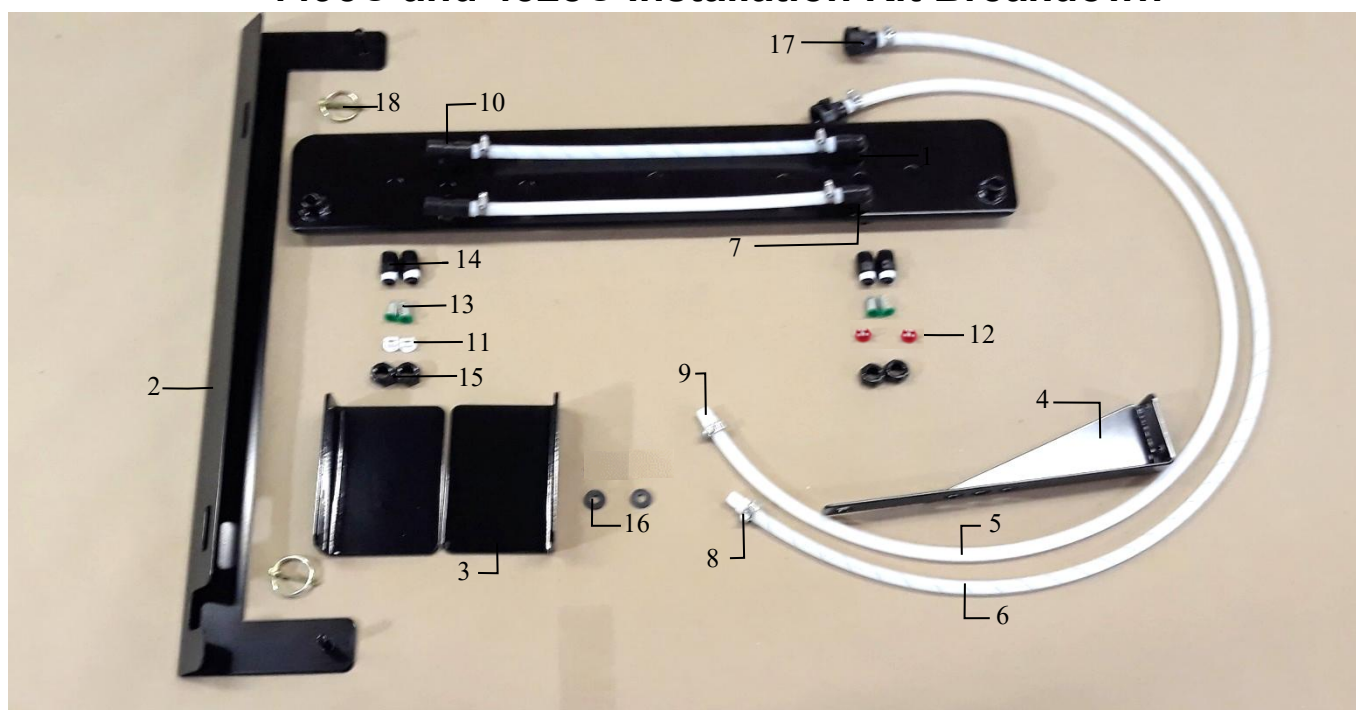
Installation Kit 4495C & 4528C

New Holland and Case: Install the spray shield under the tongue of the baler, behind the flywheel. There are two existing bolt holes 6" - 12" (15cm-30cm) above the gathering fork guards, connect the spray shield using these holes. The tips should be pointing to the throat of the baler chamber. Install the wind guard stop as shown below 2" (51mm) behind the bend in the baler frame.

Krone: Install the spray shield under the tongue of the baler in front of the flywheel. You will need to drill two holes directly in front of the flywheel to secure the shield on the baler. The tips should be pointing to the throat of the baler chamber.



4495C and 4528C Installation Kit Breakdown



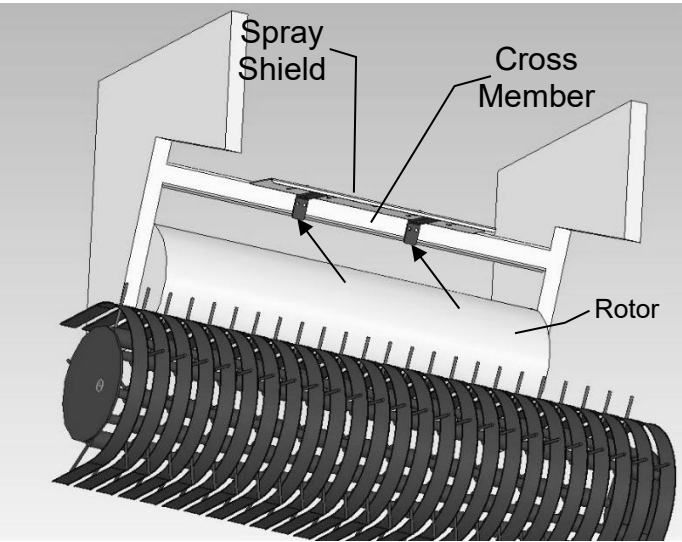
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Spray Shield	001-4431	1	10	1/4" Tee Fitting	003-TT14SQ	2
2	Spray Shield Holder	001-4431B	1	11	1/4" Tip	004-XR11008VK	2
3	Wind Guard Stops	001-4431D	2	12	1/4" Tip	004-XR11004VK	2
4	End of Bale Bracket	001-4648	1	13	Tip Strainer-100 Mesh	004-1203-100	4
5	1/4" Braided Hose	002-9016	5	14	Nylon Nozzle Body	004-4722	4
6	1/4" Braided Hose-Blue	002-9016B	5	15	Nylon Nozzle Cap	004-4723	4
7	1/4" 90 Deg. Elbow	003-SE14F	2	16	Rubber Washer	004-1207W	2
8	Mini Hose Clamp	003-9002	8	17	Female Quick Connect	004-1207H	2
9	1/4" x 1/4" Straight Fitting	003-A1414	8	18	3/16" Lynch Pin	008-4576	2
NP	CNH Windguard Stop (4528C Install Only)	001-4431D	2				

Complete Installation Kit
Complete Installation Kit

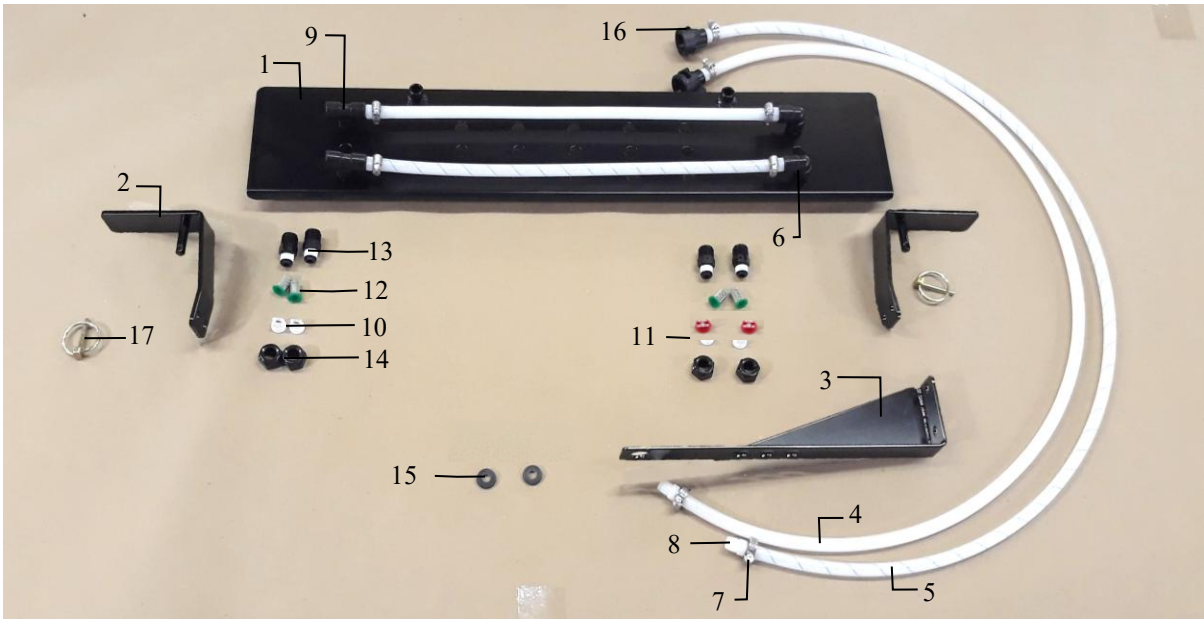
030-4495C
030-4528C

Installation Kit 4497C & 4529C

Attach shield to cross member as shown in picture. Center the shield above the rotor. Four holes will need to be marked and drilled. Use supplied 3/8" x 1-1/4" inch bolts, nuts, and lock washers to attach the shield holders (001-4435E) to the metal cross member directly above the rotor. Attach the spray shield (001-4435ES) to the holders and secure with lynch pins. **The shield is set up for 3X4 balers. Use the inside holes on the shield for 3X3 balers and the outside holes for 3X4 balers.**



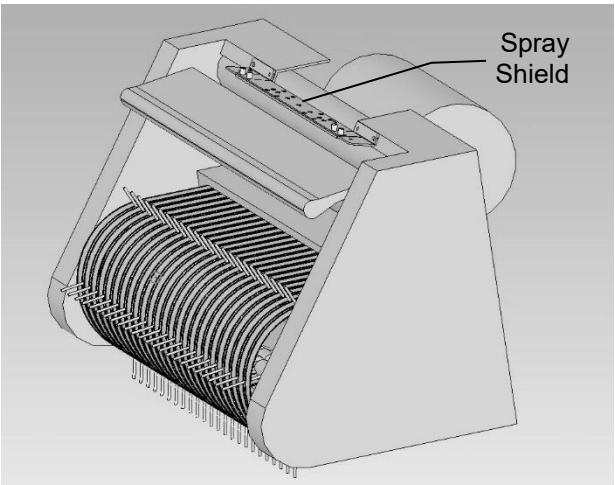
4497C and 4529C Installation Kit Breakdown



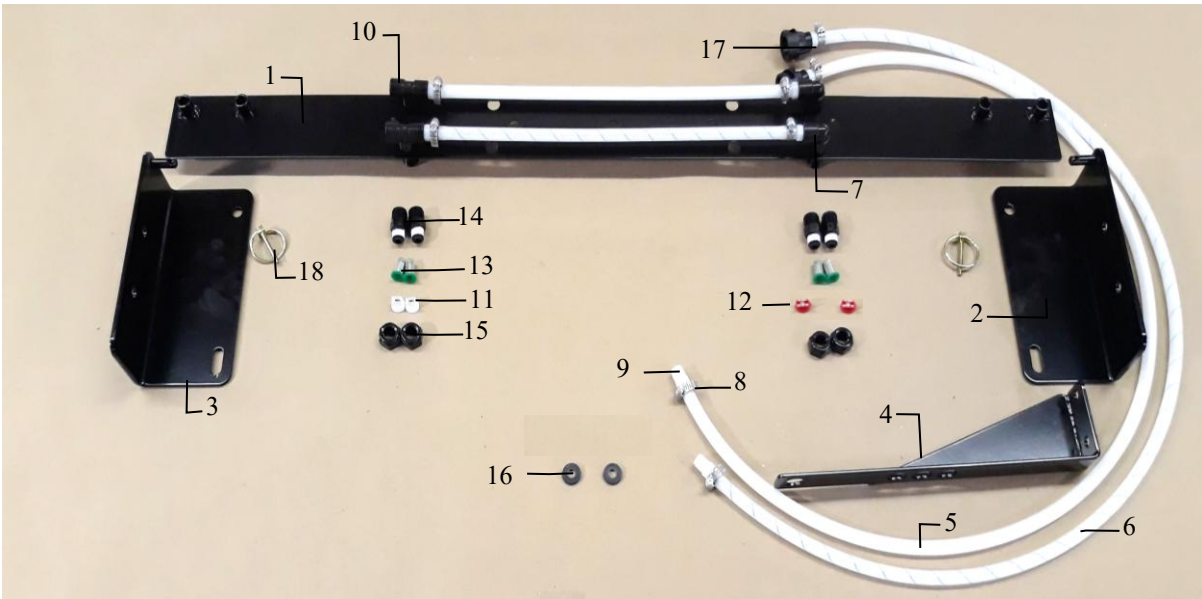
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Spray Shield	001-4435ES	1	10	1/4" Tip	004-XR11008VK	2
2	Spray Shield Holder	001-4435E	2	11	1/4" Tip	004-XR11004VK	2
3	End of Bale Bracket	001-4648	1	12	Tip Strainer-100 Mesh	004-1203-100	4
4	1/4" Braided Hose	002-9016	5.5	13	Nylon Nozzle Body	004-4722	4
5	1/4" Braided Hose-Blue	002-9016B	5.5	14	Nylon Nozzle Cap	004-4723	4
6	1/4" 90 Deg. Elbow	003-SE14F	2	15	Rubber Washer	004-1207W	2
7	Mini Hose Clamp	003-9002	8	16	Female Quick Connect	004-1207H	2
8	1/4" x 1/4" Straight Fitting	003-A1414	8	17	3/16" Lynch Pin	008-4576	2
9	1/4" Tee Fitting	003-TT14SQ	2				
Complete Installation Kit						030-4497C	
Complete Installation Kit						030-4529C	

Installation Kit 4500C

Locate the sheet metal above the top auger. Locate the two holes through the sheet metal nearest the center of the pickup head. Place two 3/8" x 1-1/4" bolts through the sheet metal with the bolt heads on the bottom side. Place 001-4436CR over the bolts and fasten with 3/8" nuts, locks, and flat washers. Repeat for 001-4436CL on left side of machine. Place spray shield between brackets and tighten hardware.



4500C Installation Kit Breakdown



Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Spray Shield	001-4811A	1	10	1/4" Tee Fitting	003-TT14SQ	2
2	RH Mount Bracket	001-4436CR	1	11	1/4" Tip	004-XR11008VK	2
3	LH Mount Bracket	001-4436CL	1	12	1/4" Tip	004-XR11004VK	2
4	End of Bale Bracket	001-4648	1	13	Tip Strainer-100 Mesh	004-1203-100	4
5	1/4" Braided Hose	002-9016	5.5	14	Nylon Nozzle Body	004-4722	4
6	1/4" Braided Hose - Blue	002-9016B	5.5	15	Nylon Nozzle Cap	004-4723	4
7	1/4" 90 Deg. Elbow	003-SE14F	2	16	Rubber Washer	004-1207W	2
8	Mini Hose Clamp	003-9002	6	17	Female Quick Connect	004-1207H	2
9	1/4" x 1/4" Straight Fitting	003-A1414	6	18	3/16" Lynch Pin	008-4576	2

Complete Installation Kit

030-4500C

Installation Kit 4501C

4790 cutter balers with top auger. (Figure 1)

Locate the sheet metal above the top auger. Locate the two holes through the sheet metal nearest the center of the pickup head. Place two 3/8" x 1-1/4" bolts through the sheet metal with the bolt heads on the bottom side. Place 001-4436CR over the bolts and fasten with 3/8" nuts, locks, and flat washers. Repeat for 001-4436CL on left side of machine. Place spray shield between brackets and tighten hardware.

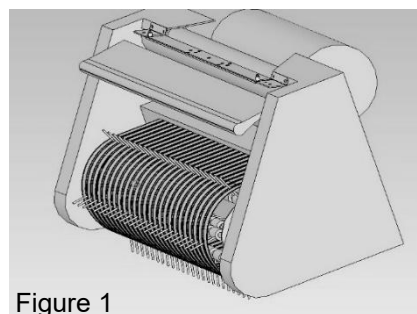


Figure 1

4790 cutter balers without top auger. (Figure 2)

Connect spray shield to 001-4436CR and 001-4436CL brackets. Place the assembly across the top of the pickup head so the spray shield is horizontal. Center the shield over the throat of the baler directly above and centered over the bottom augers. Mark the holes on both sides and drill two 7/16" (12mm) holes on each side. Place two 3/8" x 1-1/4" through the sheet metal bolt heads down. Secure the assembly with 3/8" nut, locks, and flat washers.

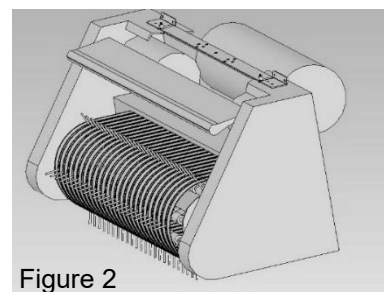
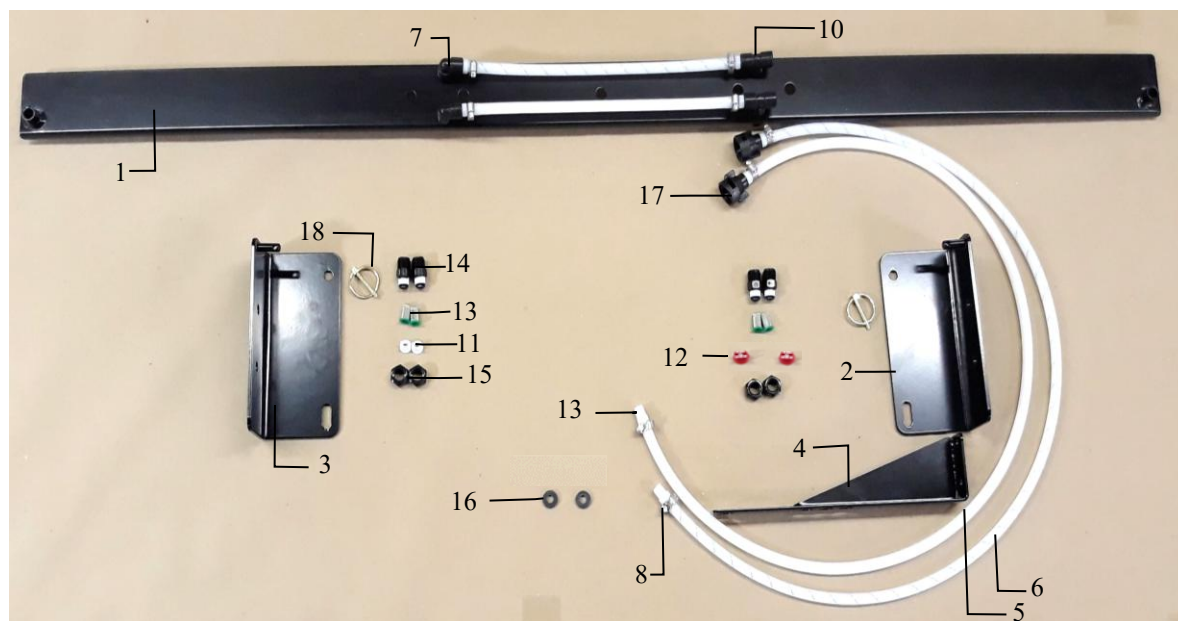


Figure 2

4501C Installation Kit Breakdown



Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Spray Shield	001-4436CS	1	10	1/4" Tee Fitting	003-TT14SQ	2
2	RH Mount Bracket	001-4436CR	1	11	1/4" Tip	004-XR11008VK	2
3	LH Mount Bracket	001-4436CL	1	12	1/4" Tip	004-XR11004VK	2
4	End of Bale Bracket	001-4648	1	13	Tip Strainer-100 Mesh	004-1203-100	4
5	1/4" Braided Hose	002-9016	4	14	Nylon Nozzle Body	004-4722	4
6	1/4" Braided Hose – Blue	002-9016B	4	15	Nylon Nozzle Cap	004-4723	4
7	1/4" 90 Deg. Elbow	003-SE14F	2	16	Rubber Washer	004-1207W	2
8	Mini Hose Clamp	003-9002	8	17	Female Quick Connect	004-1207H	2
	1/4" x 1/4" Straight Fitting	003-A1414	8	18	3/16" Lynch Pin	008-4576	2

Complete Installation Kit

030-4501C

Solenoids and Hose Routing



- A. Once Spray Shield is mounted, locate the Solenoid Kit SOL-3SP-LS. Pulsing Solenoids (002-2203F) come pre-installed on the Solenoid Mount Plate (001-4648DSH). Mount this assembly in an accessible location as close as possible (max distance 3ft) to the Spray Shield. This will ensure the most precise application of the preservative.

Pulsing Solenoids
002-2203F



Solenoid Mount
001-4648DSH



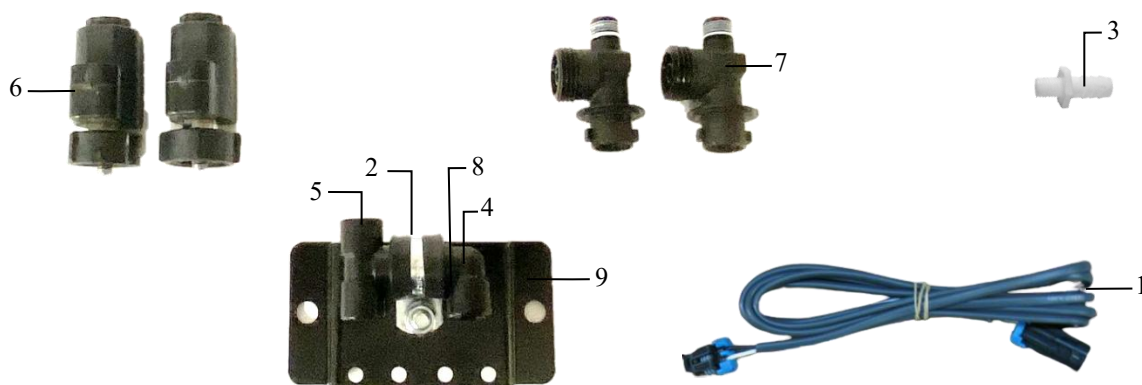
Solenoid Harness
006-3650-S1

- B. Once solenoid bracket mounted, streamline solenoid harness 006-3650-S1 along baler back to connection on main baler harness 006-765B2 once installed. Ensure that the solenoid with white dot attaches to 'SOL 1' and solenoid with blue dot attaches to 'SOL 2' harness connection ports. Ensure wire routing does not interfere with any moving parts or hydraulic lines, securing harness as needed.
- C. Route 1/2" hose along the path or similar, inside of the baler from the pump plate to the solenoid plate, as shown in picture above. Keep hoses away from moving parts and hydraulic hoses. When all hose connections are made to the tank, pump, solenoids, and spray shield secure with existing cable clamps or use cable ties.
- D. Connect 1/4" reinforced hoses from Spray Shield to Solenoids. Note: Ensure solenoid with white dot connects to white hose/white spray shield dot. Hose with blue stripe connects to solenoid with blue dot.

Tip Connections

Dot Color	Tip	Hose Color	Position on 006-765B2
White Dot	8004 or 11004	White	Sol 1
Blue Dot	8008 or 11008	Blue Stripe	Sol 2

700 Solenoid Package for Large Square Balers



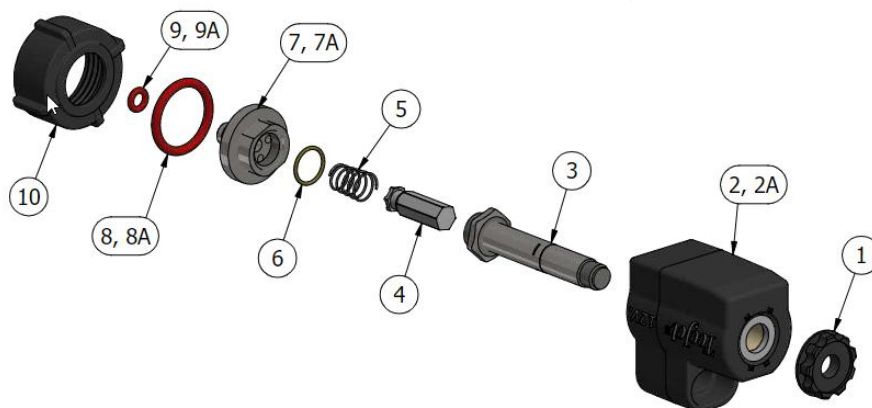
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Solenoid Harness (5')	006-3650-S1	2	6	Solenoid	002-2203F	2
2	Hose Clamp #6	003-9003	1	7	Solenoid Valve Body	004-1207VF	2
3	1/4" x 1/2" Straight Fitting	003-A1412	1	8	1/4" Nipple	003-M14	1
4	1/4" Elbow	003-SE14F	1	9	Solenoid Holder	001-4648DSH	1
5	1/4" Tee Fitting	003-TT14SQ	1	NP	O-Ring Kit (Replacement)	002-2203FG	2

Complete Assembly

SOL-3SP-LS

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 Routing and Connections



Route harness 006-765B2 along path shown above (or similar) either on top of or inside of the baler from the pump plate to the hitch of the baler. Note: the end of the harness that has the large plug with sockets and the white heat shrink label, will be at the hitch of the baler. The other end attaches to plug on pump plate. Keep harnesses away from moving parts and hydraulic hoses. Secure harness in suitable locations as needed.

Identification on plugs of Main Baler Harness 006-765B2

Sol 1 and Sol 2 Plugs attach to the solenoids with two 006-3650-S1 harnesses. Sol 1 attaches to the solenoid with a white dot. Sol 2 attaches to the solenoid with a blue dot.

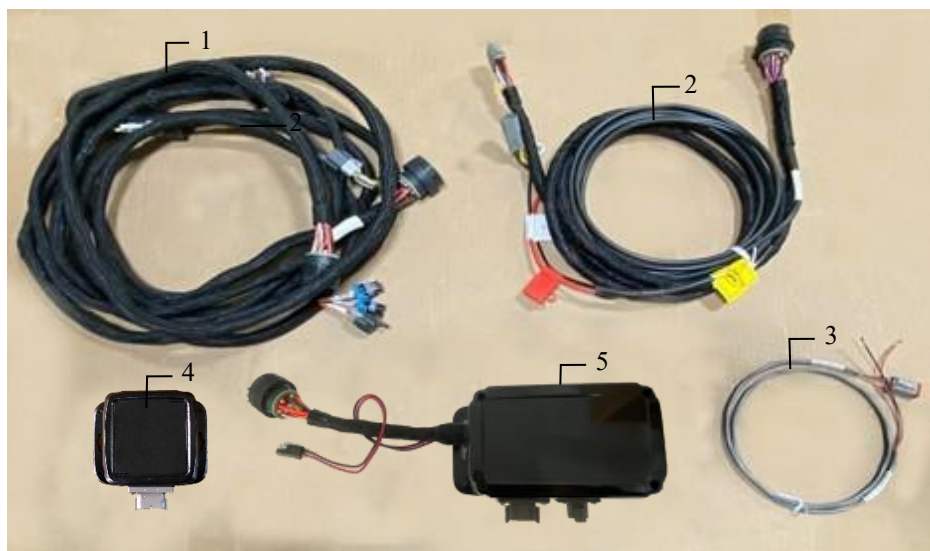
EOR Plug (End of Row) is for the optional Crop Eye Forage Indicator kit. (474C)

CAN/IDM Plugs are for use with optional Moisture Dye Marking kit. (740DM), ISOBUS integration with compatible balers, future expansion, or CAN termination. Only one CAN/IDM port requires a connection for termination. Dye Marker or baler ISO integration harness has a port for terminator connection on them.

EOB Plug is for the (End of Bale) sensor that is attached by the needle arm.

Secure with existing cable clamps or use cable ties when all connections are made.

Control Modules and Wiring Harnesses

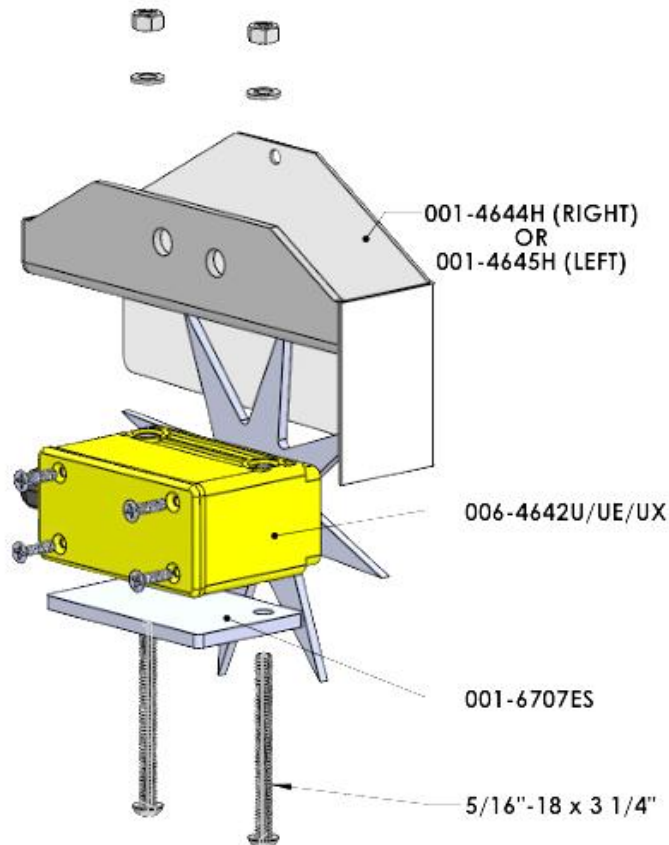


Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Power Lead Baler 35'	006-765B2	1	NP	Baler Integration Harness	006-765VA	1
2	Power Lead Tractor	006-765IC	1				
3	Key Switch Wire	006-765CPH	1	NP	Baler Integration Extension (Required only for pre-2012 Agco Balers)	006-6650VAX	1
4	ISO Pump Module (IPM)	006-7671LS	1	NP	Baler Integration Harness (Krone Balers Only)	006-765VAK	1
5	ISO Communication Module (ICM)	006-6673	1	NP	Baler Integration Harness (Krone Gen. 5 Balers Only)	006-765VAK2	1
NP	Dust Plug Kit	006-765DP	1				
NP	120 Ohm Resistor (For use as non-ISO integrated units)	006-700R		NP	USB-C to USB-A Comm.Cable (Optional use for tablet connection)	006-6672USBX	

Star Wheel Moisture Sensor Kit – (MSH-LS-EXT)

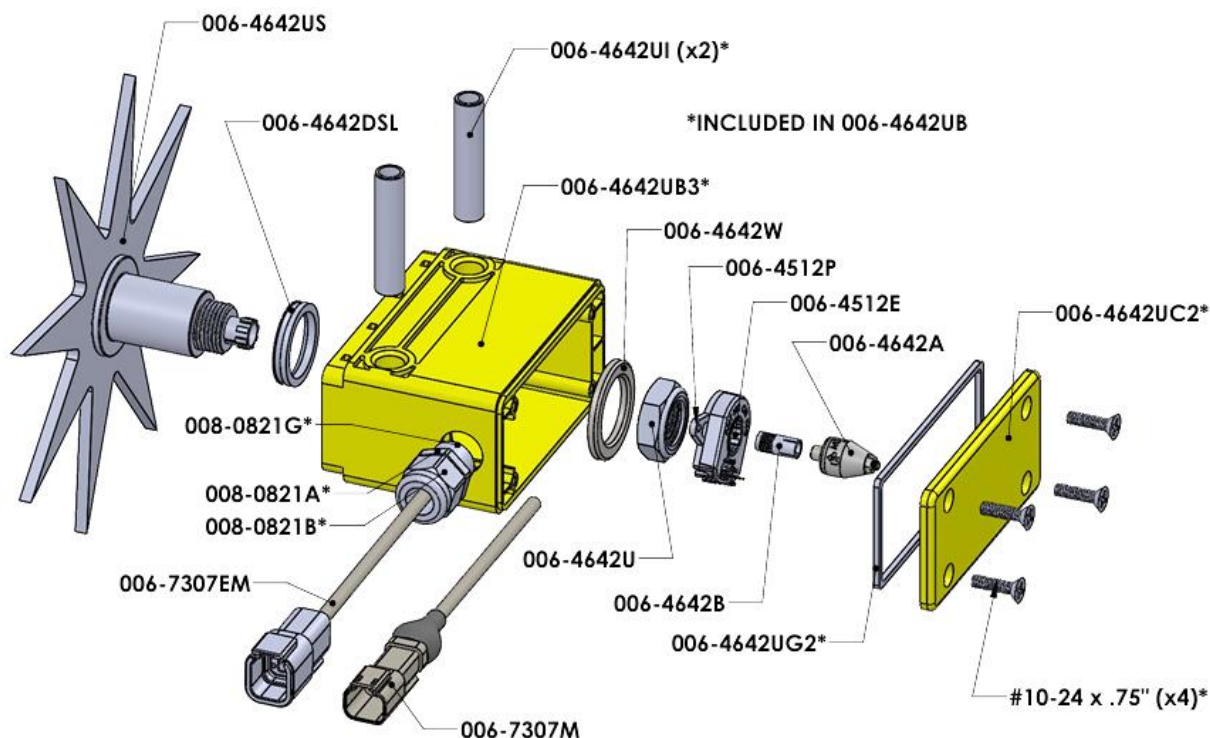
1. Locate both two-star wheel moisture sensors (030-4642U / UE), twine diverters (001-4644H / 4645H), spacer plates (001-6707ES) and hardware parts bag.
2. The star wheels will be placed as close to the knotter as possible. Follow installation instructions for your specific baler model.
3. Install with four (two per side) 5/16" x 3-1/4" Allen buttonhead cap screws. Make sure the Allen heads are in the bale chamber side of the star wheel.
4. The star wheel with the 6-position plug will need to be placed on the right side of the baler along with the twine diverter with two extra holes. 030-4642UE Star Wheel must rotate in the indicated clockwise direction as the bale moves thru the bale chamber. Reference the rotation indicator sticker on star wheel block.
5. The star wheel with the 2-position plug will need to be placed on the left, or ladder side of the baler.
6. Place a spacer plate between each star wheel block and the bale chamber with twine diverter on top.
7. Secure spacer plates, star wheels and twine diverters to baler with 5/16" hex nuts and lock washers. Hand tighten with wrench or ratchet- not to exceed 13 ft-lb torque. **DO NOT USE AN IMPACT TO TIGHTEN.** Over torquing star wheel mounting hardware can cause pre-mature wear of the star wheel blocks.
8. Connect moisture harness (006-7307EM2 or 006-7307EM3) to both star wheels.
9. Route other end of (006-7303EM2 or 006-7307EM3) along top of baler to the pump module located at the back of the baler on the tank saddle.
10. Attach rectangle plug of moisture harness to bottom of ISO pump module (IPM).

The following pages contain detailed instructions for specific baler make and models:

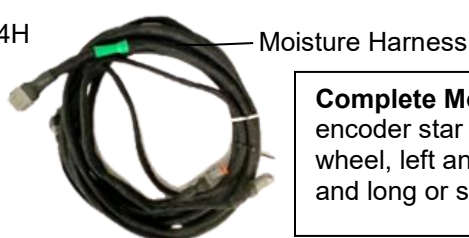
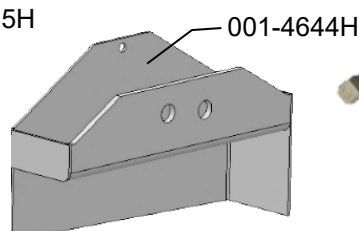
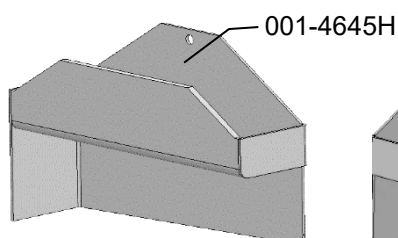


Star Wheel Sensors- 700 Series

For Large Square Balers – Reinforced Yellow Block 2026



Description	Part#	Qty	Description	Part#	Qty
Star Wheel (includes swivel insert)	006-4642US	1	Star Wheel Spacer Plate (not pictured)	001-6707ES	1
Dust Seal Gasket	006-4642UG	1	Star Wheel Mounting Hardware (5/16" x 3-1/4" Allen Head Screws, nuts, locks and washers)		2
Star Wheel Block Only	006-4642UB3	1	Twine Guard -Left	001-4645H	
Star Wheel Block End Cap	006-4642UEC	1	Twine Guard -Right	001-4644H	
Block Inserts	006-4642UI	2	Star Wheel Drilling Template (optional)	001-4642T	
Wire Compression Grommet	008-0821A	1	Replacement Star Wheel Block*	001-4642UB	
Grommet Locking Nut (internal)	008-0821B	1	Complete Non-Encoder Star Wheel	030-4642U	
Washer for Wire Grommet	008-0821G	1	Complete Encoder Star Wheel	030-4642UE	
Bearing Washer	006-4642W	1	Moisture Harness- Standard (12' and 13' Section lengths)	006-7307EM2	
Star Wheel Nut	006-4642U	1	Moisture Harness- Long (16' and 18' section lengths)	006-7307EM3	
Encoder Mount (030-4642UE only)	006-4512P	1	Complete Moisture Kit* -Standard	MSH-LS-STD	
Encoder (030-4642UE only)	006-4512E	1	Complete Moisture Kit* - Long	MSH-LS-EXT	
Swivel Insert	006-4642B	1			
Swivel Insert	006-4642B	1			
Electric Swivel	006-4642A	1			
Electric Swivel	006-4642A	1			
Star Wheel Block Gasket	006-4642UG2	1			
Star Wheel Block Cover	006-4542UC2	1			
Encoder Harness Plug (6 Pin) (030-4642UE only)	006-7307EM	1			
Moisture Harness Plug (2 Pin) (030-4642U only)	006-7307M	1			



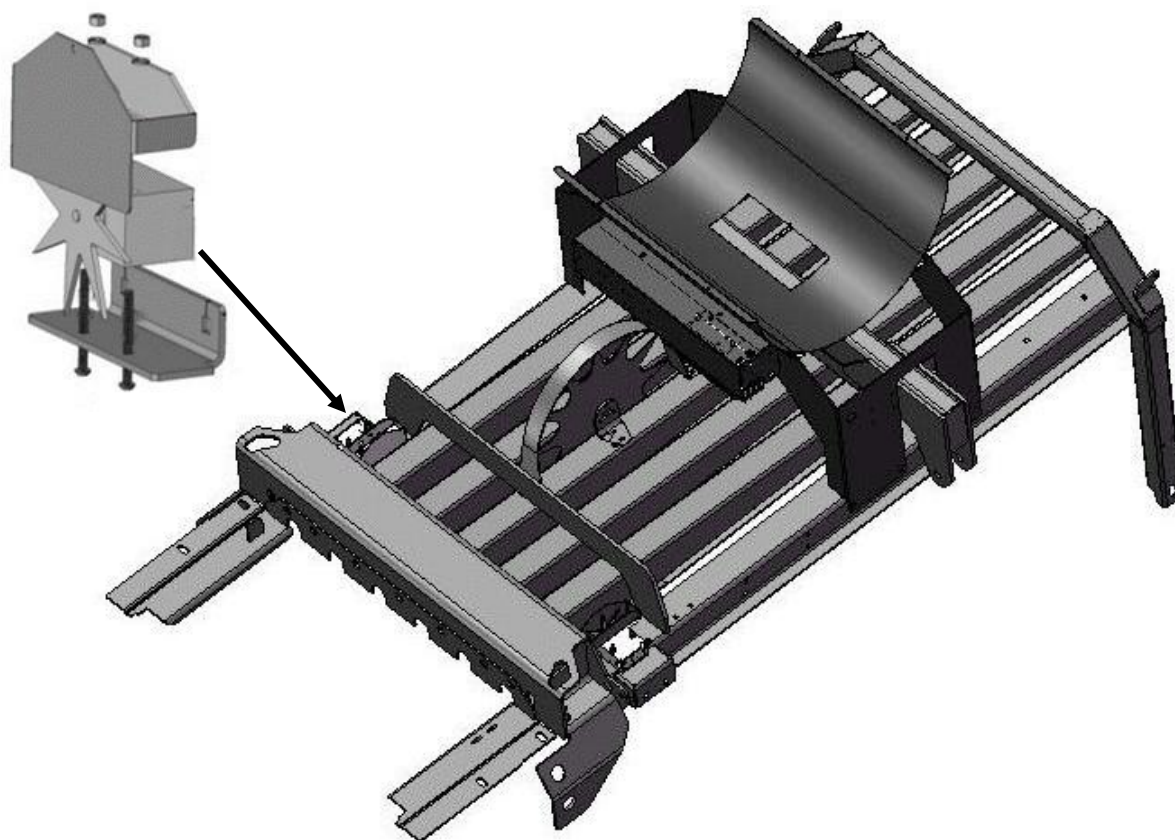
Complete Moisture Kits include encoder star wheel, non-encoder star wheel, left and right twine diverters and long or std. moisture harness.

New Holland 590 through BB9080 and Case IH LBX331 through LB433 Balers

Star Wheel Mounting - The star wheels are to be mounted on top of the baler, just behind the knotters and under the walkway on both sides. Remove the bale from the chute, tip the walkway up and locate the wheels on the top outside corner angles of the bale chute, one on each side. Some balers may already have the notch cut and square holes.

If so, the holes will need to be drilled round with a 5/16" drill bit, if not use the template located in the back of the manual as a guide for cutting the notch and mounting holes for the star wheels. Mark the location of the notch 5/8" wide and 9" long (16mm x 23cm) and the location of the two 5/16" (8mm) holes for the star wheel base. After cutting the notch and drilling the holes, insert the 5/16" x 3-1/4" x black allen head bolts up through the chute.

Place a spacer plate then star wheel block over the bolts and install the twine guards. Secure with 5/16" lock washers and nuts. The twine guard containing the extra two holes will be placed on the right side.

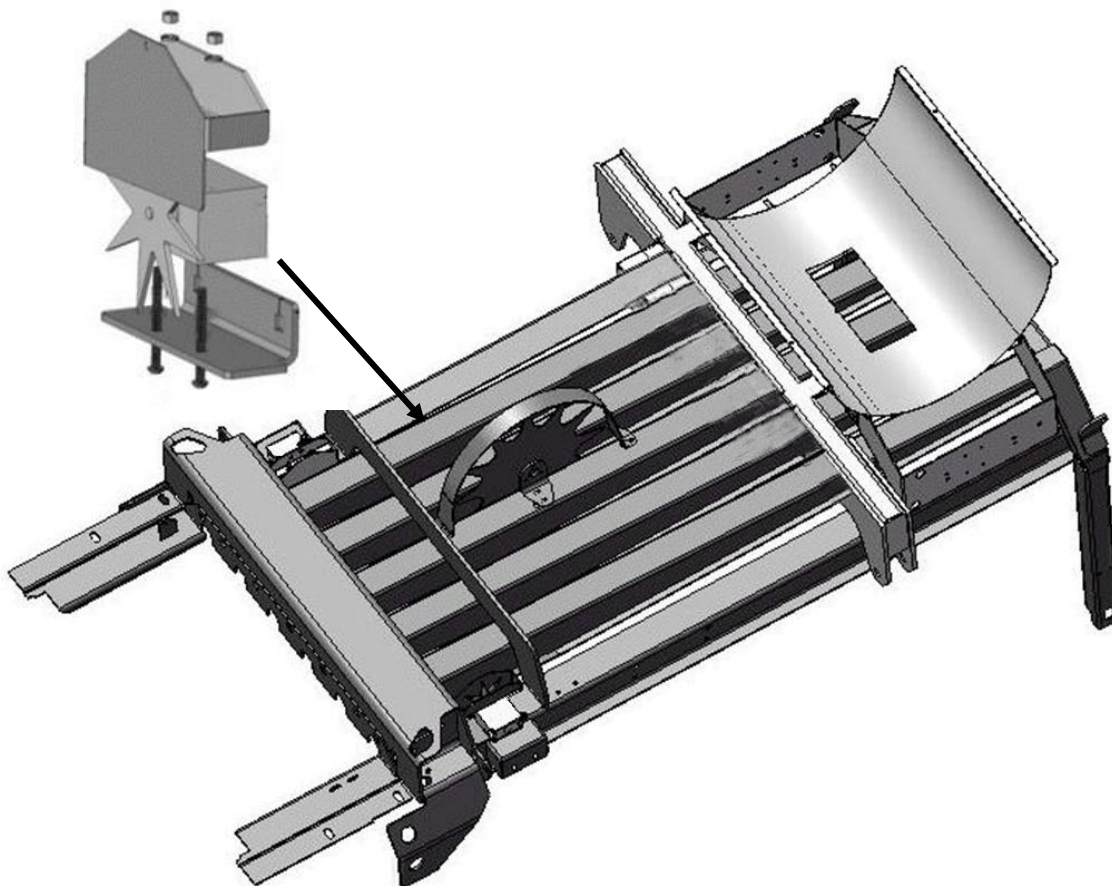


Challenger LB33, LB34, Hesston 7430, 4750, 4755, 4760, 4790, Massey Ferguson 2050, New Idea 7233, 7333, 7234

Star Wheel Mounting – The star wheels are mounted under the walkway on top of the baler behind the knotters. Remove the bale from the chute and tip the walkway up. Locate the outside corner angles of the bale chute on the left and right side of the baler. The center of the wheel shaft will be approximately 5-1/2" (13cm) in front of the walkway support or about halfway between the walkway support and the cross frame almost directly in front of it. The notch will start just in front of the walkway support.

Two parts of the baler frame will have to be trimmed off on both sides to mount each star wheel. The first is the outside corner angles of the chute. Use the template to mark the location of the star wheel notch as well as the location of the two holes for the star wheel base. The notch will be 5/8" by 9" (16mm x 23cm) long and will help keep the wheel away from the twine. Spray the ground off areas with touch up paint to prevent rusting. The second portion of the baler to trim off is the end of the gusset that may interfere with the star wheel's plastic base support. Center the star wheel in the slots that was just notched and check for interference with the gusset.

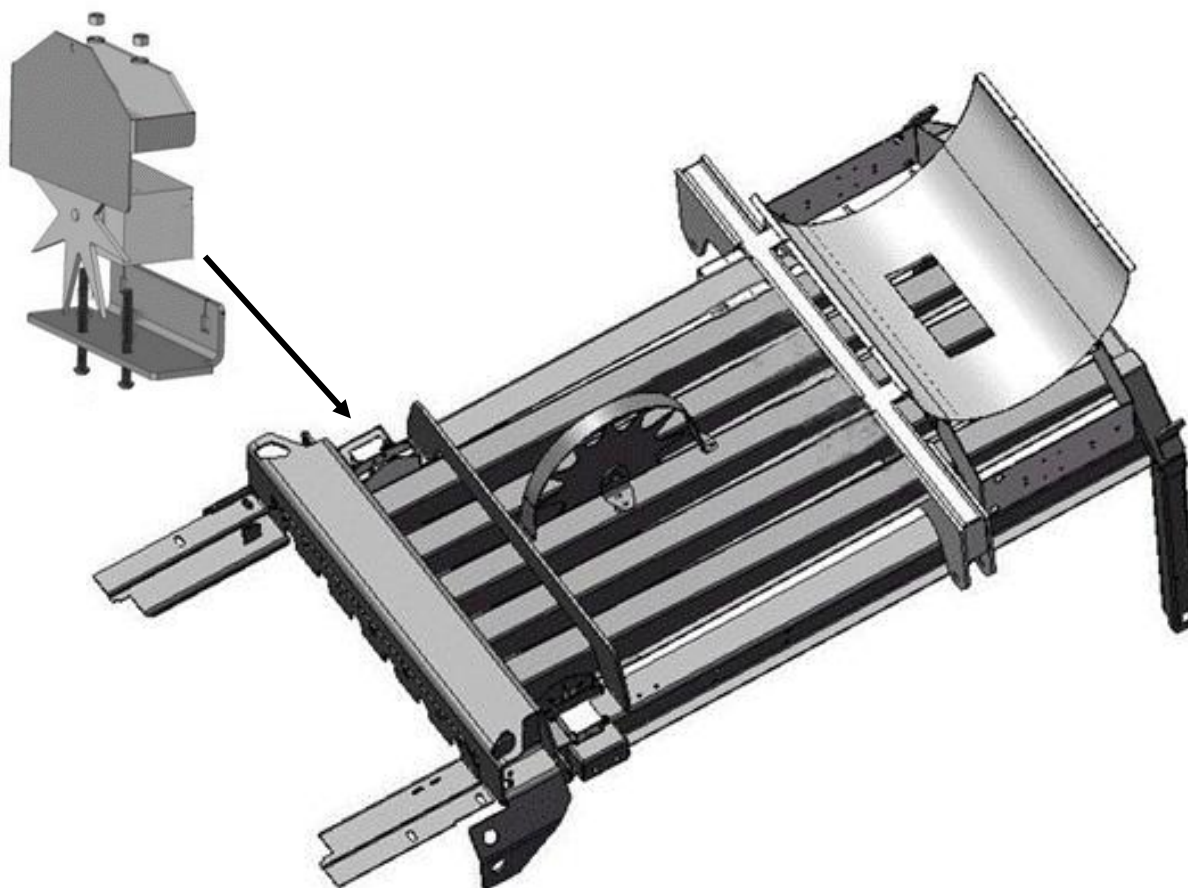
Drill 5/16" (8mm) holes for the star wheel block. Insert the 5/16" x 3-1/4" bolts up through the chute. Place spacer plate then star wheel block over the bolts and install the twine guards. Secure with 5/16" Lock washers and nuts. **The twine guard containing the two extra holes will be placed on the right side of the baler.**



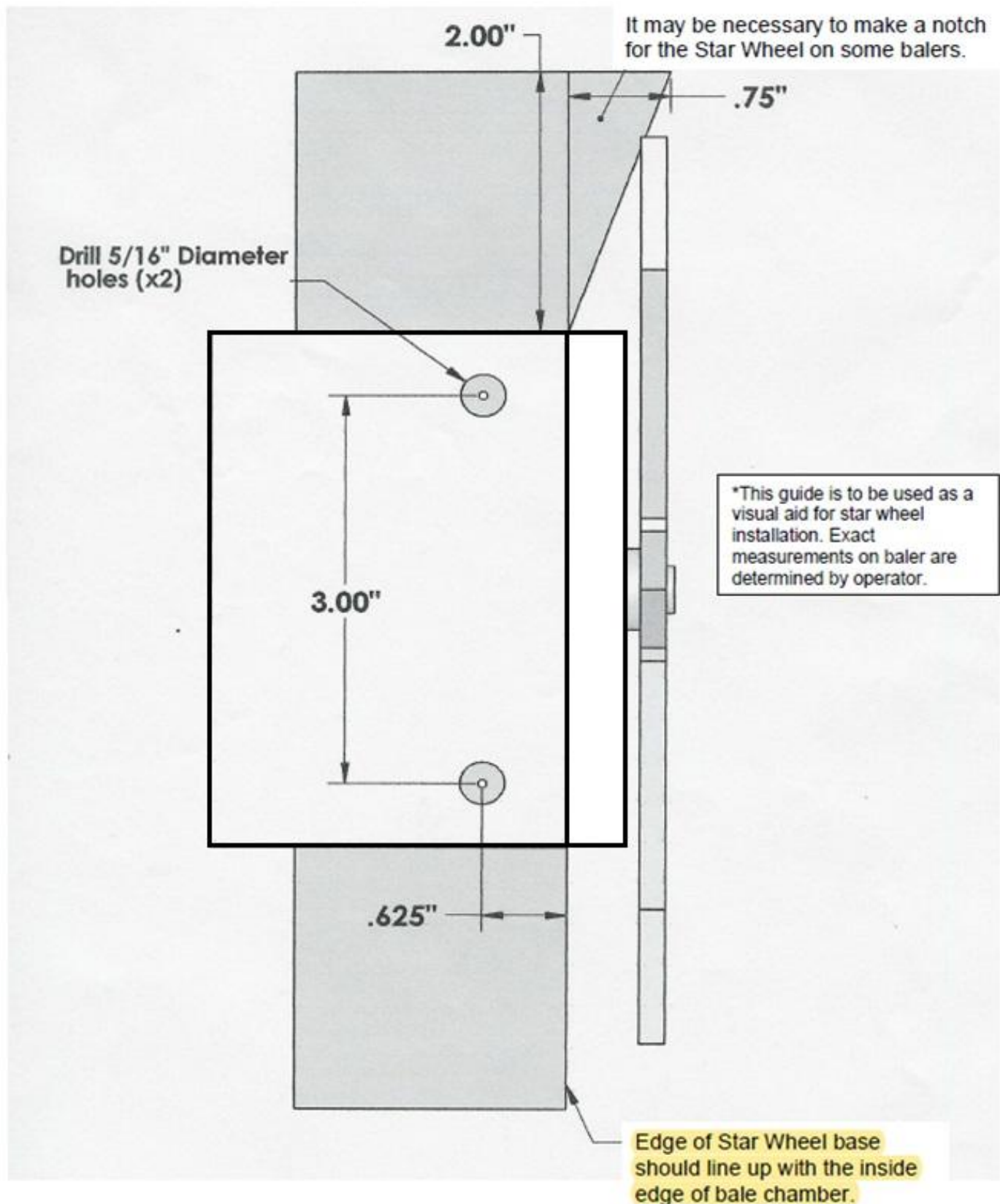
Hesston 4900, 4910, Challenger LB44, and New Idea 7244

Star Wheel Mounting –The star wheels are mounted on top of the baler, just behind the knotters under the walkway on both sides. Use the template at the back of the manual to mark the location and dimension of the notch and holes. Remove the bale from the chute. Tip the walkway up and locate the wheels on the top outside corner angles of the bale chute, one on each side. The star wheel block is located just in front of the horizontal channels holding the twine boxes. Using the template, mark the location of the notch (5/8" wide and 9" long) and the location of the two 5/16" (8mm) holes for the star wheelbase using a center punch. Any bare metal edge of the angle should be sprayed with touch up paint to prevent corrosion.

Once the above modification to the baler is made on both sides of the chute, the wheels can be mounted. Insert the 5/16" x 3-1/4" bolts up through the chute and use nuts to hold the bolts in place. Place spacer plate and star wheel block over bolts and install the twine guards on the star wheel block. **The twine guard containing the two extra holes will be on the right side of the baler.**



Star Wheel Installation Guide

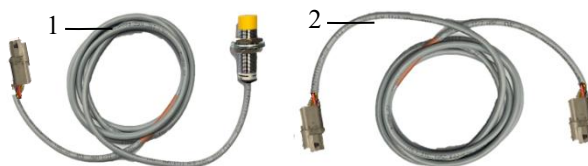


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End of Bale Sensor (EOB) Installation

The End of Bale Sensor determines the position of the needles on the baler. When the needles cycle the sensor communicates this information to the controls. Installation of this sensor is required for use with the Harvest Tec job records. Reference "Sensor Settings" in Operation Manual. Follow the steps below for your baler to mount the sensor.

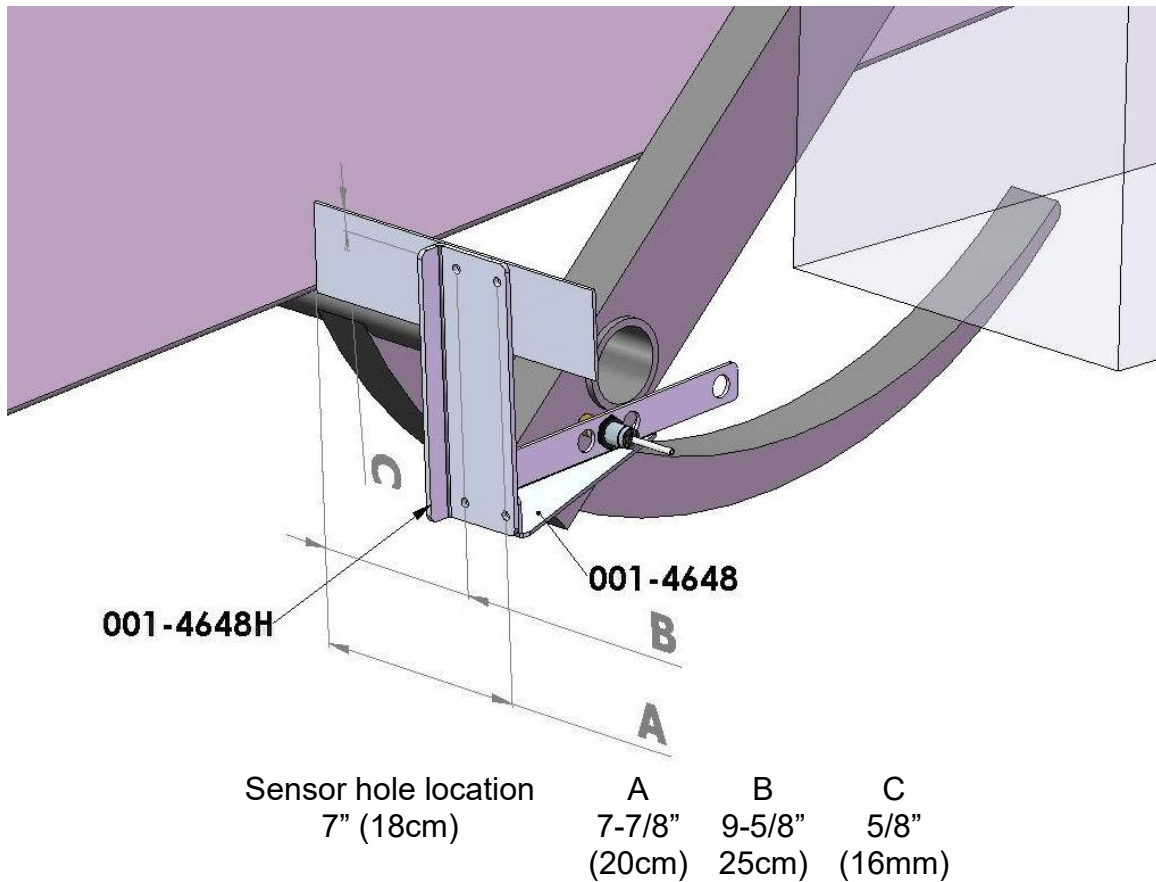
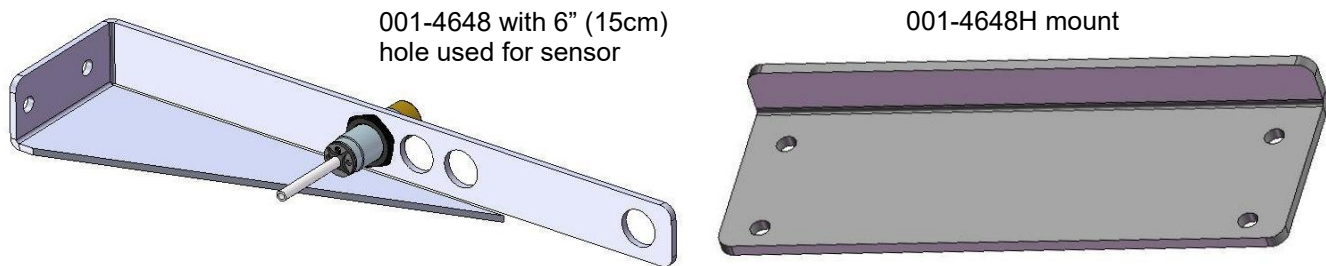
End of Bale Sensor



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	End of Bale Sensor	006-7401	1
2	End of Bale Ext.	006-7401EXT	1

Hesston 4750-4755 and 4900-4910 (and Equivalent) Balers

End of bale sensor bracket (001-4648) and Hesston end of bale mount (001-4648H) will be used. The Hesston end of bale mount will be found in the installation kit box. Cutoff excess metal not used during installation.

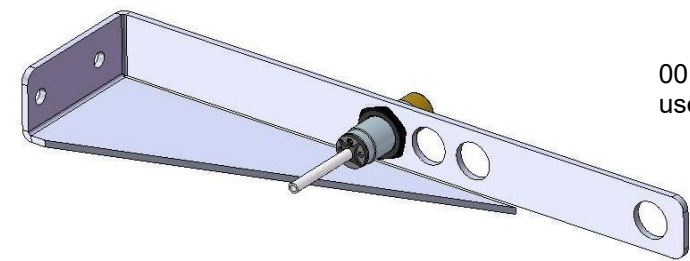


Attach the Hesston end of bale mount (001-4648H) as shown. Attach the end of bale sensor bracket (001-4648) to the Hesston end of bale mount (001-4648H) using two 1/4" x 1" bolts, locks & flat washers, and hex nuts. Align the brackets and mark the two 3/8" (10mm) holes to be drilled. Attach the brackets to the baler using two 5/16" x 1 self-tapping screws, and flange nuts.

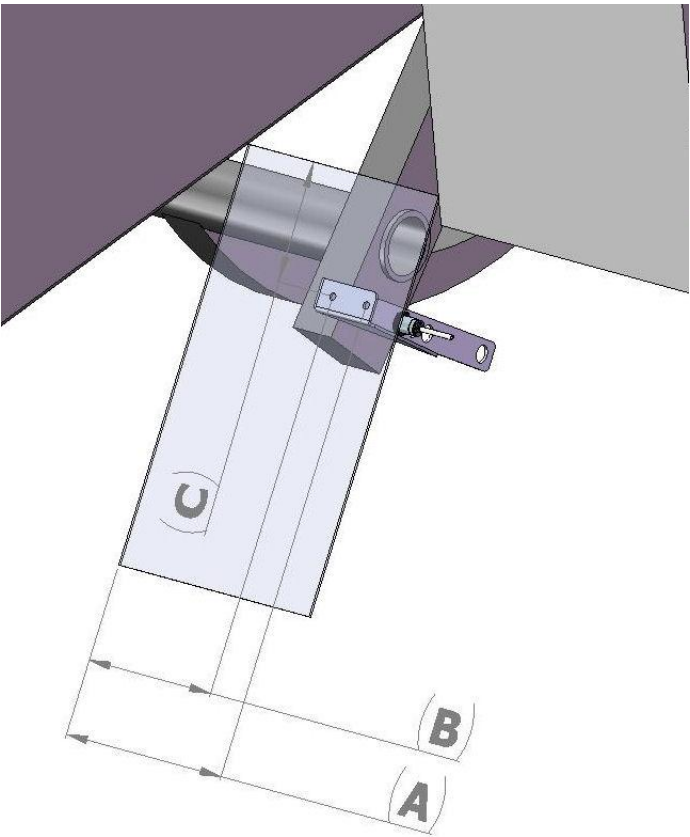
Mount the sensor in the 7" (18cm) hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Cut off excess metal past the sensor. Run the sensor cable up to the main harness (006-765B2) and attach to port labeled EOB.

Hesston 4760 and 4790 (and Equivalent) Balers

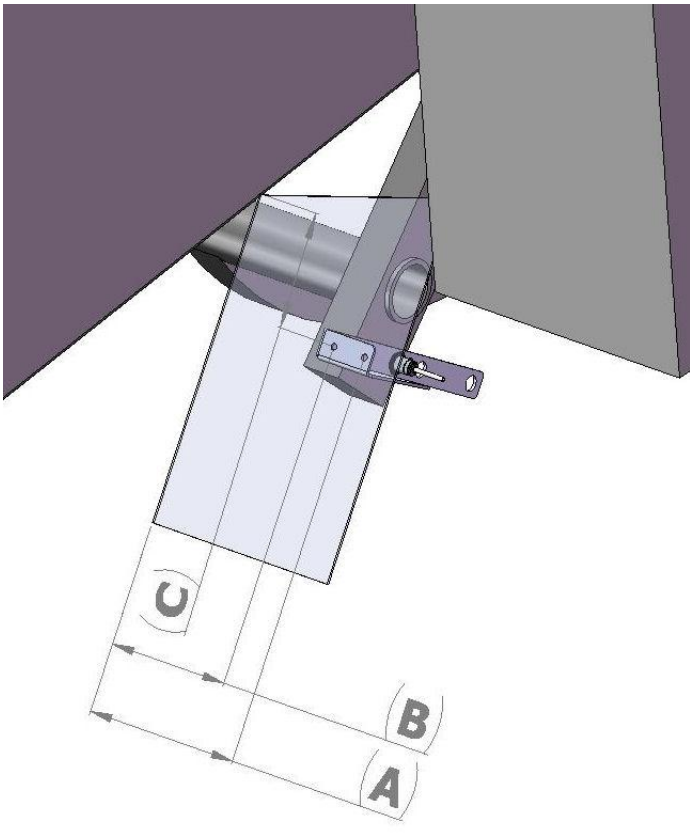
End of bale sensor bracket (001-4648) will be used. Cutoff excess metal not used during installation.



001-4648 with 6" (15cm) hole used for sensor



Hesston 4760

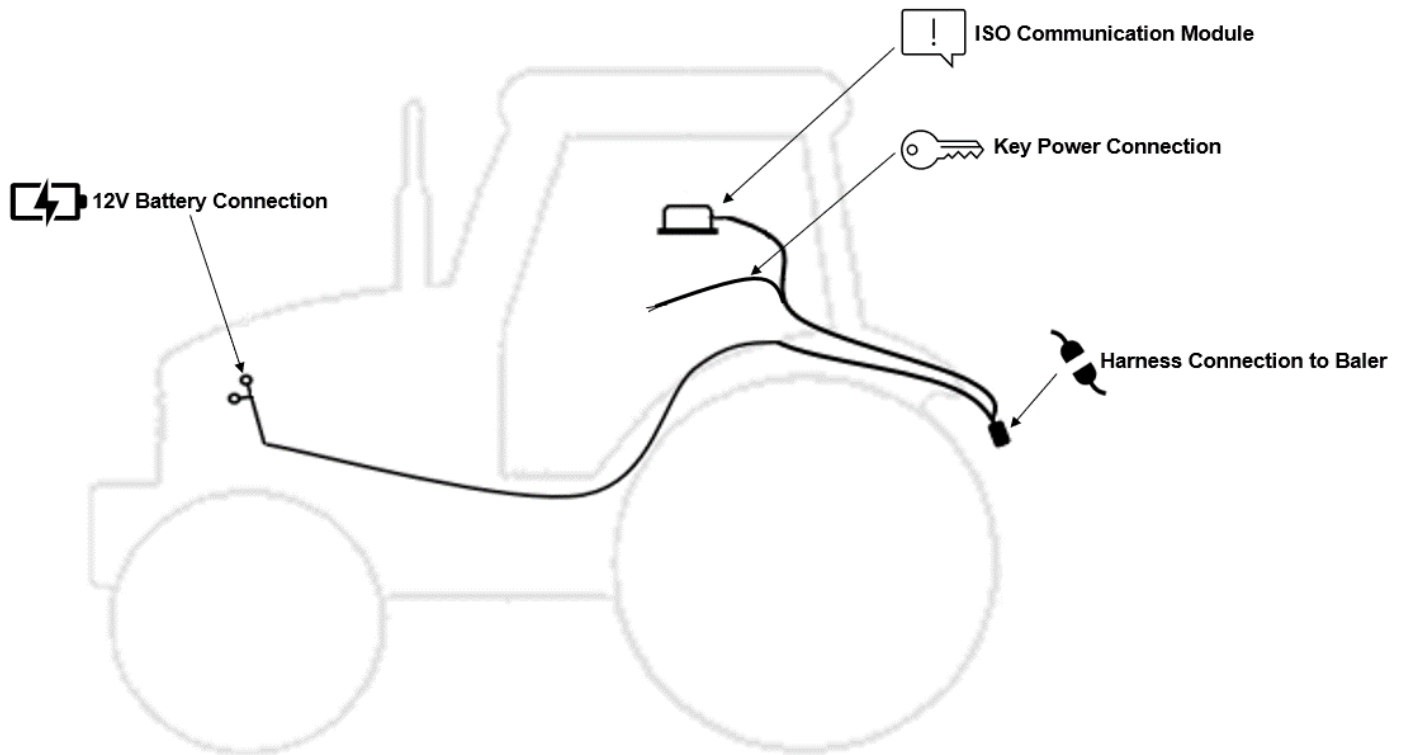


Hesston 4790

Baler	Sensor hole location	A	B	C
4760	6"	6-5/8"	4-7/8"	4"
4790	6"	4-5/8"	2-7/8"	3"

Mount the end of bale sensor bracket (001-4648) as shown. Mark and drill two 3/8" holes and attach the bracket using two 5/16" x 1" self-tapping screws, and 5/16" flange nuts. Mount the sensor in the 6" (15cm) hole location, keep the sensor 1/4" (7mm) from the needle and tighten both nuts. Cut off excess metal past the sensor. Run the sensor cable up to the main harness (006-765B2) and attach to port labeled EOB.

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 (006-7651C). 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 (006-765B2). 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 (006-765B2). 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 integrated and on the Harvest Tec Display. Must be one or the other. Removal of the 006-765VA or integration harness is required when equipped.

Optional Tablet Display



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 charging cable to the USB port on the ICM module. Once connected the Harvest Tec applicator will display upon opening the app and powering up the applicator system. Tablets can be used in addition to integrated baler VT display.

***Made for iPad®**

Required to be running the most current operating system or one version previous.

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

Optional Harvest Tec Display Kit (030-7670DK)



<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	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

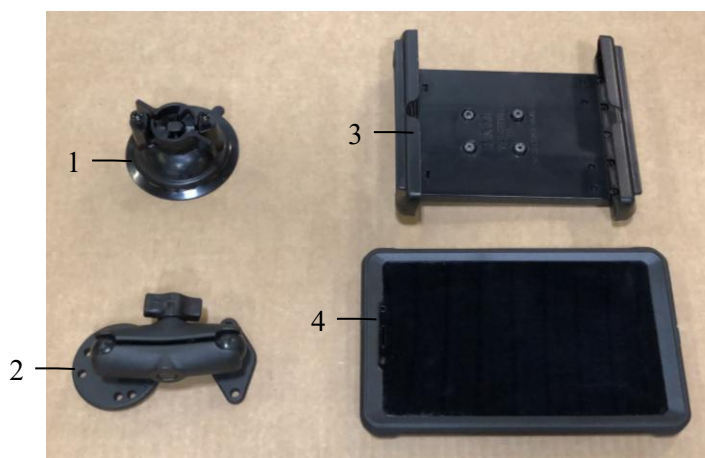
Complete HT Display Kit 030-7670DK

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)

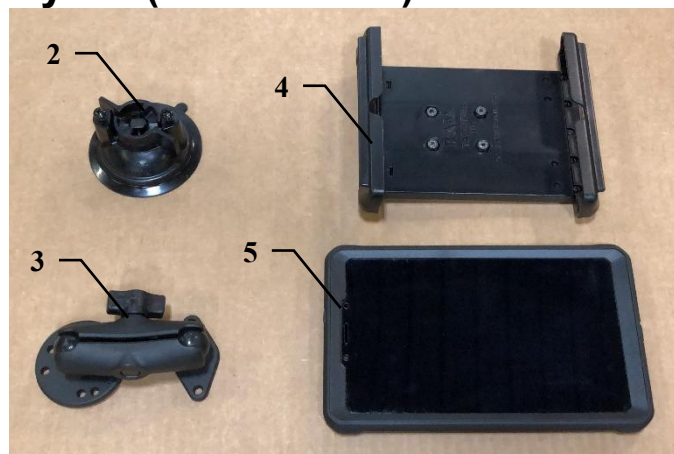
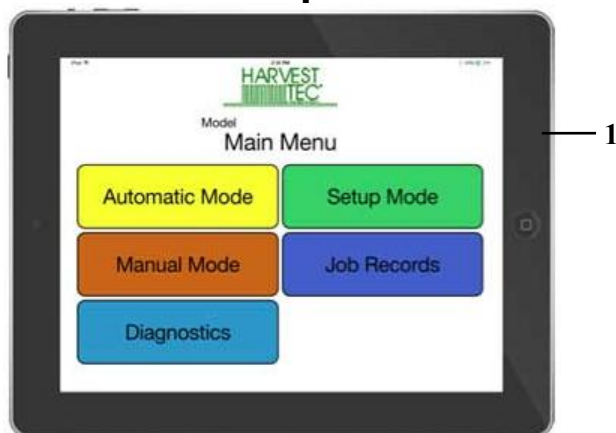


Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Spring Load Cradle	001-2012SLC	1
4	Android Case	001-2012A1	1
5	Android Tablet	006-1670AT	1
NP	USB-C to USB-A Cable	006-6672USBX	1

Complete Android Tablet Display Kit 030-1670DK

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 (030-6670DK)



Ref	Description	Part #	Qty
1	iPad Mini 6	006-6670IP	1
2	Suction Cup Mount	001-2012SCM	1
3	Ram Mount	001-2012H	1
4	Spring Load Cradle	001-2012SLC	1
5	iPad Mini 6 Case	001-2012C6	1
NP	Power/Comm. Cable	006-6672USBX	1

Complete iPad Mini Display Kit 030-6670DK

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

Optional ISO Display Adapter Harness (006-7670A or 006-7670F)

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 when using this adapter.
System will not integrate with the baler ISO system software when using this adapter.**

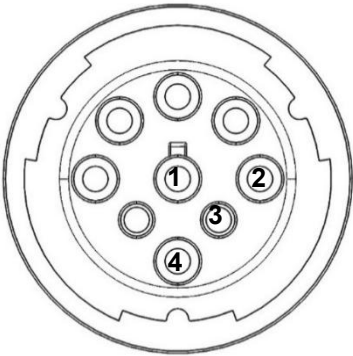
Any tablet connected to the ICM module must be disconnected from the ICM before the Harvest Tec Object Pool screen will activate within the ISO display.
To connect Adapter Harness (006-7670A or 006-7670F), unplug the 4-pin Key Power Plug (006-765CPH) connection from the Tractor Harness (006-765IC) and replace with the plug from the Adapter Harness. Connect the round plug end of the Adapter Harness to the Tractor ISO Display Diagnostic port.

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

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



ISO Diagnostic Port Adapter (006-7670A)

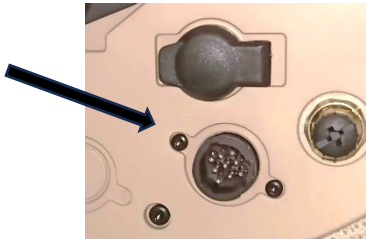
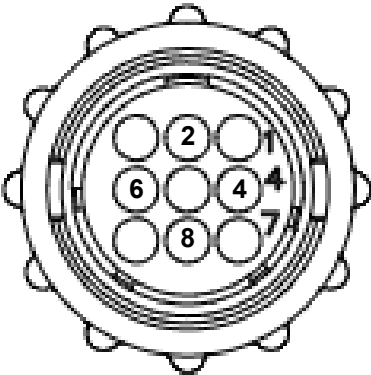


006-7670A connecting plug and pin out

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

ISO Diagnostic Port Adapter (006-7670F)

For Newer Fendt and MF Tractors with plug location in the cab ceiling



006-7670F connecting plug and pin out

Pin 8	Black	Ground
Pin 4	Yellow	CAN High
Pin 2	Green	CAN Low
Pin 6	Red	12V+ Key Power

Wiring Diagram – 700 Series

1. Connect the power harness (006-7651C) 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

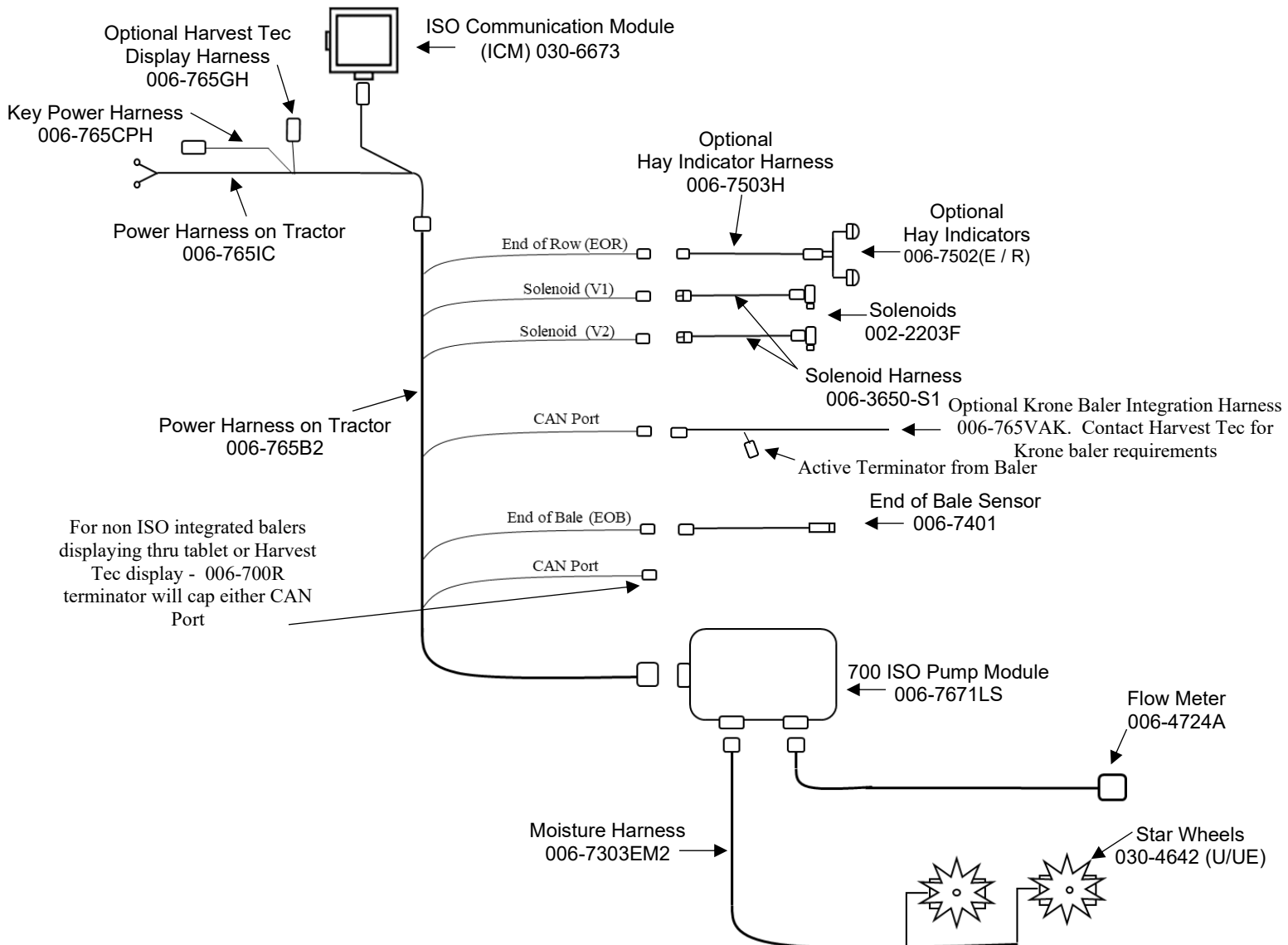
B. This unit will not function on positive ground tractors.

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 (006-7651C) will run from the tractor battery to the hitch. The power harness on the baler (006-765B2) will connect to the tractor power harness (006-7651C) 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 (006-7651C).
5. Attach the End of Bale (EOB) connection on baler harness (006-765B2) to the EOB Sensor (006-7401).
6. Attach the Solenoids (SOL 1 & 2) connections on the baler harness (006-765B2) 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 star wheel (030-442U/UE) connection to the pump module
10. Connect either 006-700R terminator OR 006-765VAK integration harness (specific Krone balers only)

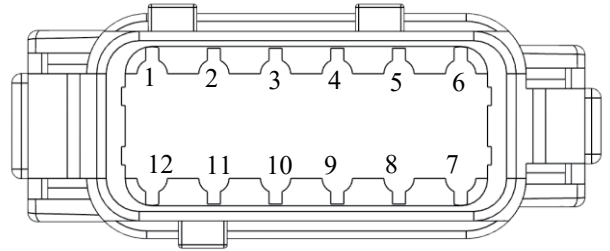


Pin Outs

Integrated Control Module (ICM) on Tractor Harness 006-765IC

(Deutsch Plug Number: DTM06-12SA)

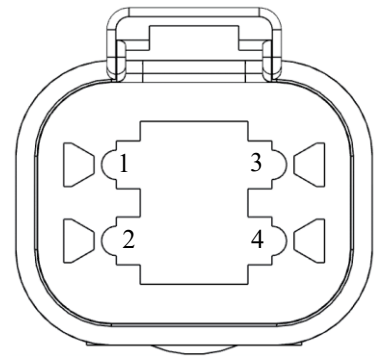
Pin 1	Red	+12V from ECU
Pin 2	Purple	Signal Wire
Pin 3	Red/White	+12V CAN X
Pin 4	Black/White	Ground CAN X
Pin 5	Orange	CAN X Hi
Pin 6	Blue	CAN X Lo
Pin 7	Green	ISO CAN Lo
Pin 8	Yellow	ISO CAN Hi
Pin 9	White	GPS Expansion 1
Pin 10	Gray	GPS Expansion 2
Pin 11	Brown	GPS Expansion 3
Pin 12	Black	Ground from ECU



ISOBUS Plug on Tractor Harness 006-765IC

(Deutsch Plug Number: DT04-4P)

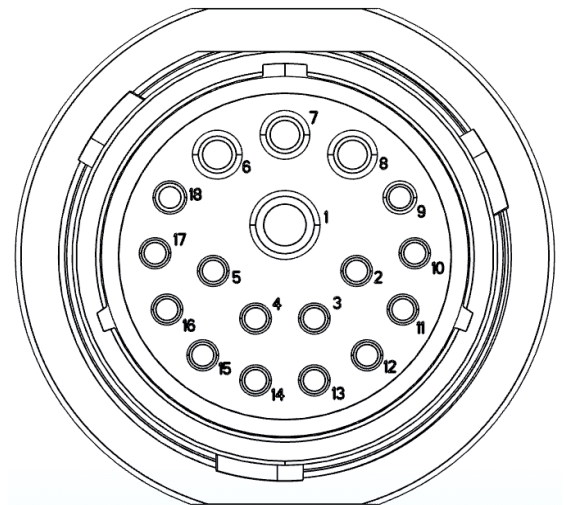
Pin 1	Red	+12V from ECU
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Black	Ground from ECU



Power / Communication 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	----

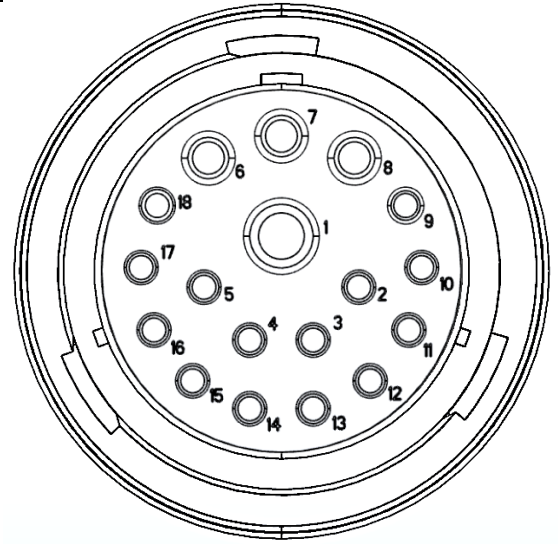


Pin Outs (continued)

Power / Communication Baler Harness 006-765B2 at Baler Hitch IPM

(Deutsch Plug Number: HDP26-24-18SN)

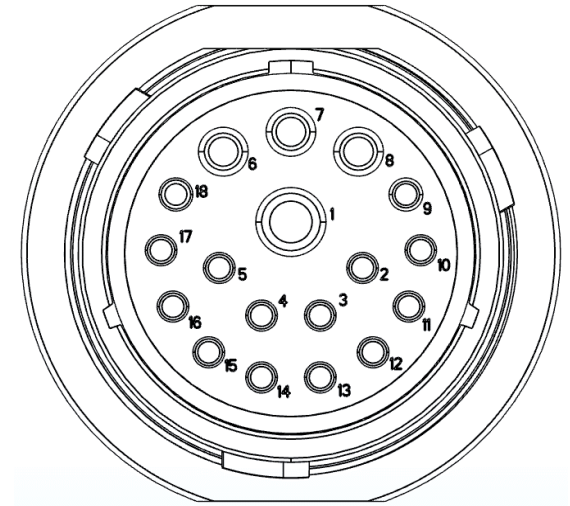
Pin 1	Not Used	----
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Red	+12V Power to ECU
Pin 5	Black	Ground to ECU
Pin 6	Red	+12V From Battery
Pin 7	Not Used	----
Pin 8	Black	Ground From Battery
Pin 9	Not Used	----
Pin 10	Not Used	----
Pin 11	Not Used	----
Pin 12	Not Used	----
Pin 13	Not Used	----
Pin 14	Not Used	----
Pin 15	Not Used	----
Pin 16	Not Used	----
Pin 17	Not Used	----
Pin 18	Not Used	----



Power / Communication Baler Harness 006-765B2 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 006-765B2

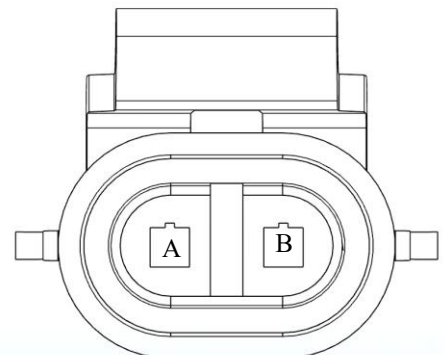
(Deutsch Plug Number: APTIV 12052641)

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

Solenoid 2 Plug on Baler Harness 006-765B2

(Deutsch Plug Number: APTIV 12052641)

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

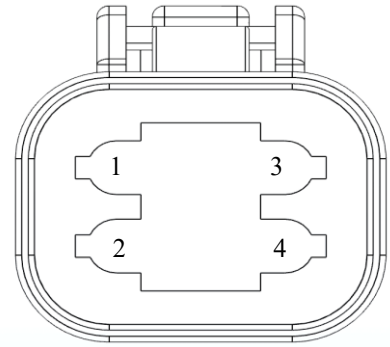


Pin Outs (continued)

CAN / IDM on Baler Harness 006-765B2

(Deutsch Plug Number: DT06-4S)

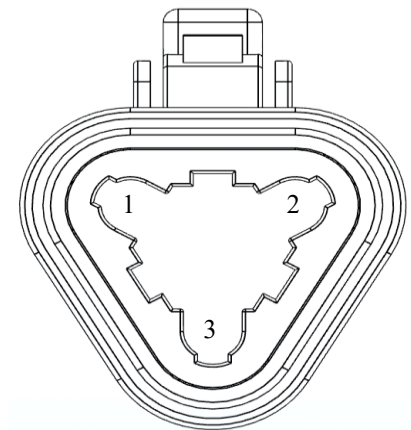
Pin 1	Red	+12V to Solenoid 2
Pin 2	Yellow	ISO CAN Hi
Pin 3	Green	ISO CAN Lo
Pin 4	Black	Ground to Solenoid 2



End of Bale Sensor Plug on Baler Harness 006-765B2

(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 006-765B2

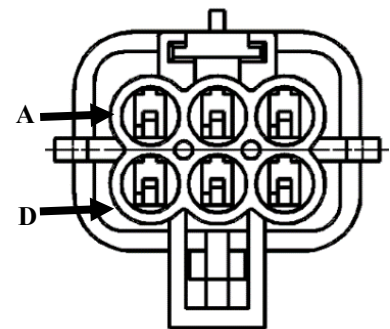
(Deutsch Plug Number: DT06-3S)

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

Integration Harness Plug on Baler Harness 006-765B2

(Plug: APTIV 12052848)

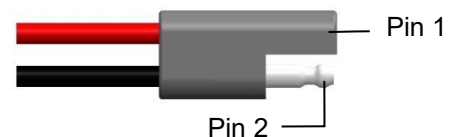
Pin A	Not Used	----
Pin B	Red	+12V Power
Pin C	Not Used	----
Pin D	Gray	Ground
Pin E	Orange	CAN Hi
Pin F	Blue	CAN Lo



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 manufactured product 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 1/24

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