Operation Manual

700 Series Round Baler Models

25 & 55 Gallon Preservative Applicators

HarvestTec™

EST. 1976

731-737-74725&55-747C-747P-749-24-OPR
9/24

700 Series Round Baler Models Operation
Table of Contents

Table of Contents (continued)

Introduction

Read this manual carefully to ensure correct steps are done to operate the applicator. This applicator is designed to apply Harvest Tec buffered propionic acid. Use of alternative products may cause complications. Including inaccurate readings from the flow meter and damage to all parts. Resulting in the warranty being void. The applicator can be installed on many round balers with the proper installation kit. Before installing the unit on the baler, make sure you have the proper installation kit (See the chart below).

Model reference

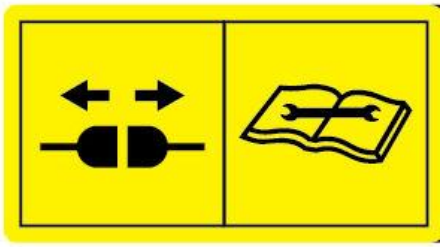
Baler make	Baler Model	Model	Installation kit	Tank size
Case IH	All RBX & RB series 4 & 5 wide	747-25,55	74725-SO	25 Gallon
Case IH	RB 455, 465, 560, 565	747C	747C-SO	55 Gallon
Challenger	453, 463 & 563	749	4524X	55 Gallon
New Holland	All BR series 4 & 5 foot wide	747-25,55	74725-SO	25 Gallon
New Holland	All Rollbelt four and five foot wide	747C	747C-SO	55 Gallon
New Holland	Probelt	747P	747P-SO	55 Gallon
John Deere	8, 9 ,& 0 series Megawide Pickups	749	4517X	55 Gallon
John Deere	960, 990	749	4538X	55 Gallon
John Deere	0 Series with HC2 Pickup	749	4547X	55 Gallon
John Deere	1 Series	749	4517X	55 Gallon
John Deere	1 Series with Rotocut	749	4547X	55 Gallon
Kuhn	VB 2160 & 2190	737	737-SO	25 Gallon
Kuhn	VB3100 Series	738K	737-SO	25 Gallon
Kuhn	VB7100 Series	739K	737-SO	20 Gallon
Kuhn	VB560	736K	736K-SO	20 Gallon
Massey Ferguson	2846-2856A	749	4524X	55 Gallon
Massey Ferguson	4100 V Series	731	4523X	20 Gallon
Massey Ferguson	1 Series	749	4531X	55 Gallon
McHale	V660	749	4526X	55 Gallon
Vermeer	404, 504 & 604 Pro	731	4523X	20 Gallon
Vermeer	604M & 605M	749	4505X	55 Gallon
Vermeer	604R	749	4549X	55 Gallon
Vermeer	604 PRO SERIES 3	749	4543X	55 Gallon
Vermeer	ZR5	735Z	7714J-SO	55 Gallon

Safety

Carefully read all the safety signs in this manual and on the applicator before use. Keep signs clean and in good working order. Replace missing or damaged safety signs. Replacement signs are available from your local authorized dealer. See your installation manual or under the replacement parts section for the correct part numbers.

Keep your applicator in proper working condition. Unauthorized modifications to the applicator may impair the function and/or safety of the machine. Carefully read and understand all of the baler safety signs before installing or servicing the baler. Always use the supplied safety equipment on the baler to service the applicator.

Safety Decal Definitions

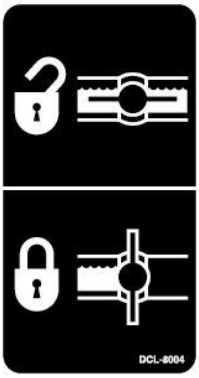


Number 1
Spraying hazard. Disconnect power before servicing the applicator
Part no. DCL-8003

Number 2
Falling hazard. Do not step in this area.
Part no. DCL-8002

Number 3
Use caution when working around chemicals. **Wear all protective equipment according to the label of the product.**
Part no. DCL-8001

Number 4
Read and understand the operator's manual before using or working around the equipment.
Part no. DCL-8000



Number 5
Open (unlocked) and closed (locked) position of the ball valve.
Part no. DCL-8004

Preparing the applicator for operation

After the Applicator has been installed on the baler, follow the below steps to prepare for operating the applicator both safely and correctly.

Filling the tank through the Drain / Fill Line

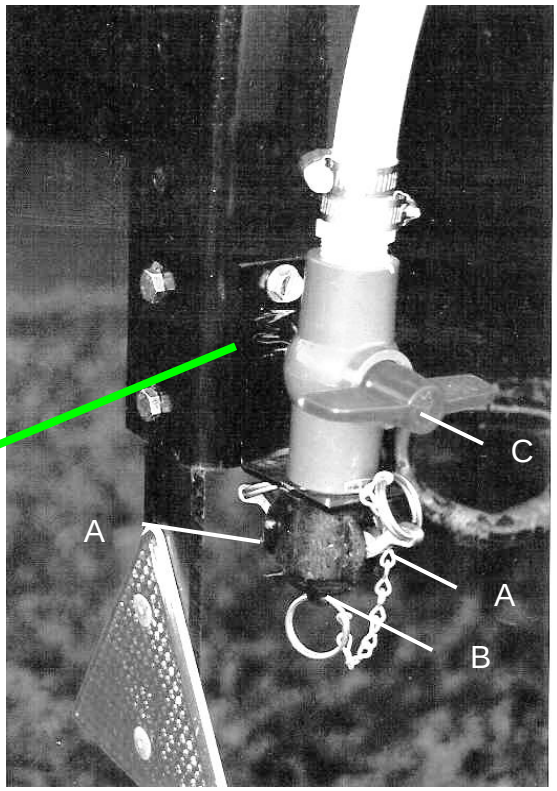
Read the label of the product being filled into the tank to determine what individual protective measures need to be taken. Locate the drain/fill line on the baler. Open the cam-couplers (A) and remove the protective plug (B). Insert the male coupler (found on transfer pump) into the female cam and close the cams (A).

To open the ball valve (C) turn the handle so it is vertical. After the ball valve has been turned on switch the pump to the On position. Monitor the level on the tank visually and shut off the pump before over filling. Once the pump is turned off, close the ball valve and remove the male coupler.

The handle of the ball valve (C) will be horizontal when closed. Reinstall the protective plug and close the cams. The Harvest Tec model 9212 transfer pump is recommended for this process.

Water is recommended for first time and annual start up procedures.

Example drain/Fill line on the baler



Enlarged view of the drain/fill line valve and cam-coupler assembly.

Filling the tank through the tank lid opening

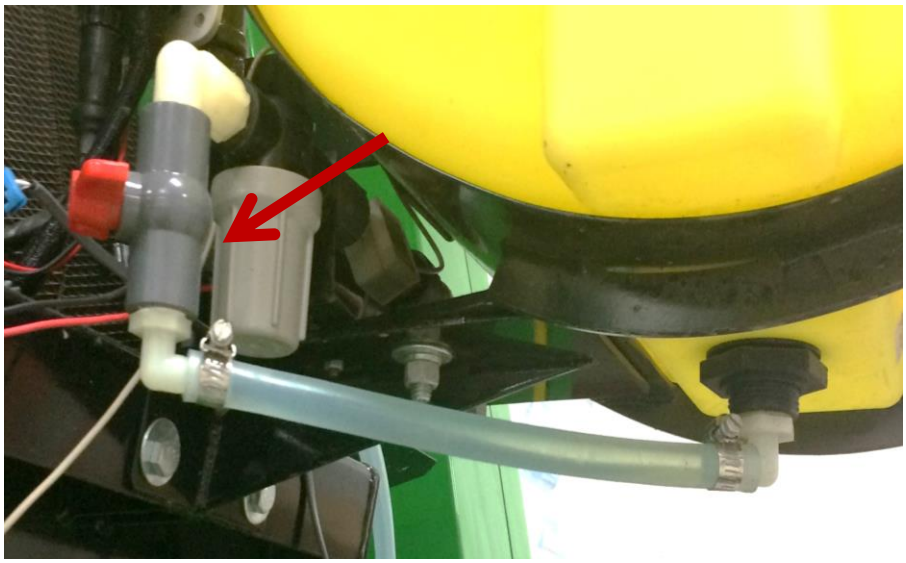
Read the label of the product being filled into the tank to determine what individual protective measures need to be taken. Clean the tank lid area and unscrew the lid. Transfer product from the container into the tank.

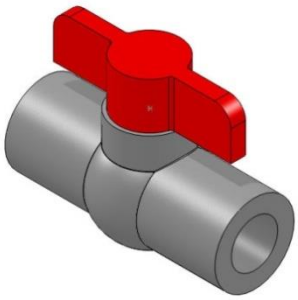
Water is recommended for first time and annual start up procedures.

Operation of the main ball valve

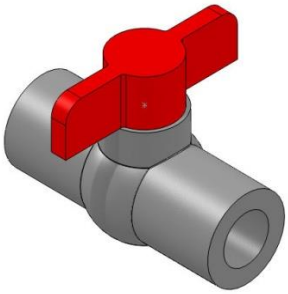
The ball valve should be closed at all times when the applicator is not being used. The valve should also be closed when any service work is being done to the baler or applicator.

The valve is located next to the pump and by the applicator tank. The arrow below points at the valve.





Valve open



Valve closed

Connecting the power harness

The power harness that supplies power from the tractor battery to the applicator pump has a disconnect at the hitch. Connect the two together for operation. Always disconnect before servicing the applicator or baler.

WARNING: Stop tractor engine and shift to park, set brakes and remove key before leaving the tractor.

Display Options

Optional STAND ALONE ISO DISPLAY

For those operators who have a dedicated ISO display with in cab harness diagnostic port connection, the 700 series can populate as its own object pool. Adapter/integration harness 006-7670A (sold separately) is required for connection. This adapter/integration harness supplies key power and communication thru ISO diagnostic plug found in cab.

Follow SCREEN MENUS section to set and operate the applicator system.

NOTE: Tablet display must be disconnected when utilizing stand alone ISO display

Optional Harvest Tec Display

The 700 series Harvest Tec Display (item 030-7670DK) will allow users to see 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.

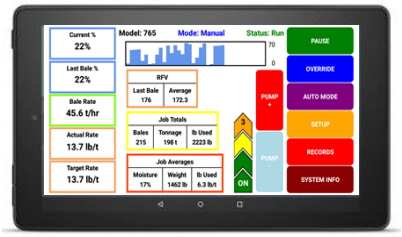
The Harvest Tec Display offers easy integration by connecting to the additional CAN plug on the 006-765IC tractor harness. Once connected the Harvest Tec display will power up with applicator system.

Follow SCREEN MENUS section to set and operate the applicator system.

NOTE: Tablet display must be disconnected when utilizing HARVEST TEC display

Recommended Tablet Display (tablet not included)

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 charging cable to the additional USB port on the ICM module. Once connected, the Harvest Tec applicator will display upon opening the app and powering up the applicator system.

Operation of Tablets

Turn On/Off Tablet using the Sleep/Wake button

iPad

Turn iPad ON: Hold down the Sleep/Wake button until Apple logo appears. iPad will take a moment to load.

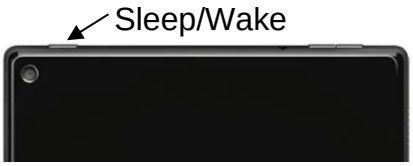
You can lock iPad and put it to sleep when you are not using it. Locking iPad puts the display to sleep, saves the battery, and prevents anything from happening if you touch the screen.

Turn iPad OFF: Hold down the Sleep/Wake button for a few seconds until the slider appears onscreen, then drag the slider to the right.

Android

Turn Tablet ON: Hold down the Sleep/Wake button until logo appears. Tablet will take a moment to load.

You can lock tablet and put it to sleep when you are not using it. Locking the android tablet puts the display to sleep, saves the battery, and prevents anything from happening if you touch the screen.



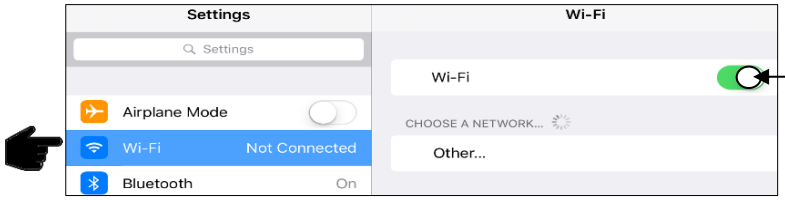
Turn Tablet OFF: Hold down the Sleep/Wake button for a few seconds until the onscreen appears, then drag the slider to the right.

Amazon Fire Tablet Does Not Work for Applicator

Downloading Harvest Tec Precision Baling App

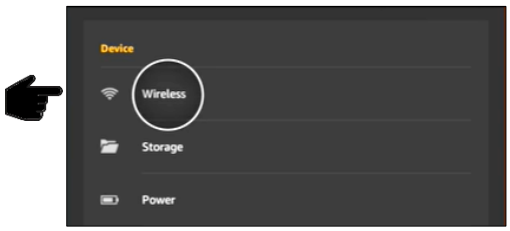
1. If tablet does not have Wi-Fi turned ON, select the Settings tab then select the Wi-Fi tab (below).

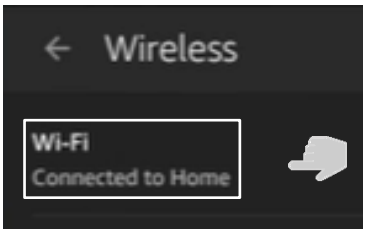
iPad



2. Turn Wi-Fi on by sliding button to the right.
*Green bar indicates ON

Android





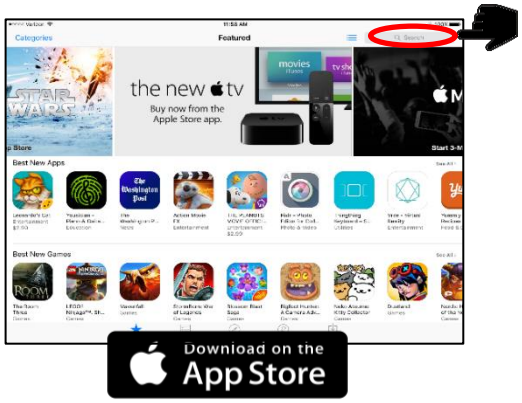
2. Connect Wi-Fi by clicking on network, should show 'connected'

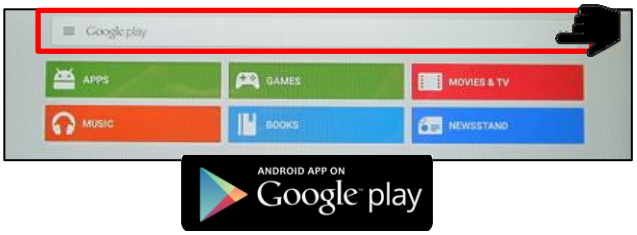
4. Select an available network when detected.
5. Select app store icon (below) and open. *You will need a Wi-Fi connection available to download app*

iPad

Android

Download the Precision Baling App in the app stores by searching for 'Harvest Tec' in the search bar:
The advertisements displayed on the screens will change.





The app will have the icon as shown:

Precision Baling App

ISO Communication Module

With Precision Baling App installed, connect the tablet to the ICM Module to the properly marked USB port.

Recommended to use a quality USB-A communication cable to connect ICM to iPad/Android Tablet- adapters are not supported

ISO Communication Module (ICM)

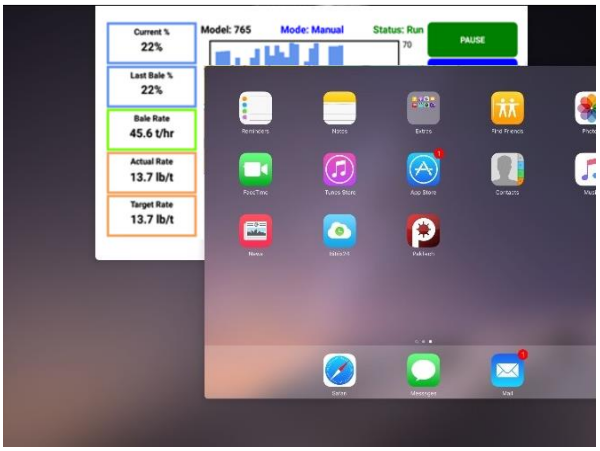
Solid or Blinking Green Light – Module is powered and ready to operate.

Shutting Down the Precision Baling App iPad

1. To shut down the Precision Baling App double click the home button. This will show the open apps that are running on your iPad.

*Note: By pressing the home button one time to return to the home screen, the Precision Baling App **does not** shut down. The system will, however, stop applying preservative after 10 seconds.

1. Slide the app you want to shut down toward the top of the iPad, until the app is no longer visible.



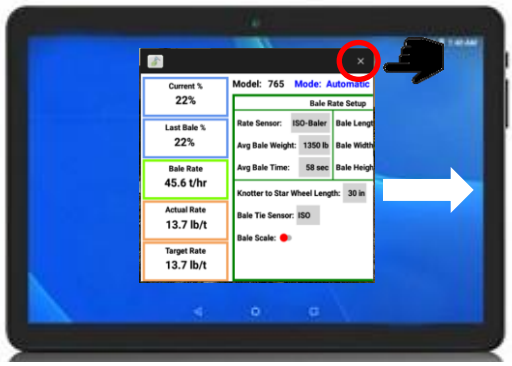
<u>Pressing the Home Button on the iPad WILL NOT stop application of the Harvest Tec System</u>

Android

1. To shut down the Precision Baling App click the recent button. This will show the open apps that are running on your tablet.

   *Note: By pressing the home button to return to the home screen, the Precision Baling App **does not** shut down. The system will, however, stop applying preservative after 10 seconds.

2. Slide the app you want to shut down toward the right of the tablet screen or click on the ‘ x ‘, until the app is no longer visible.

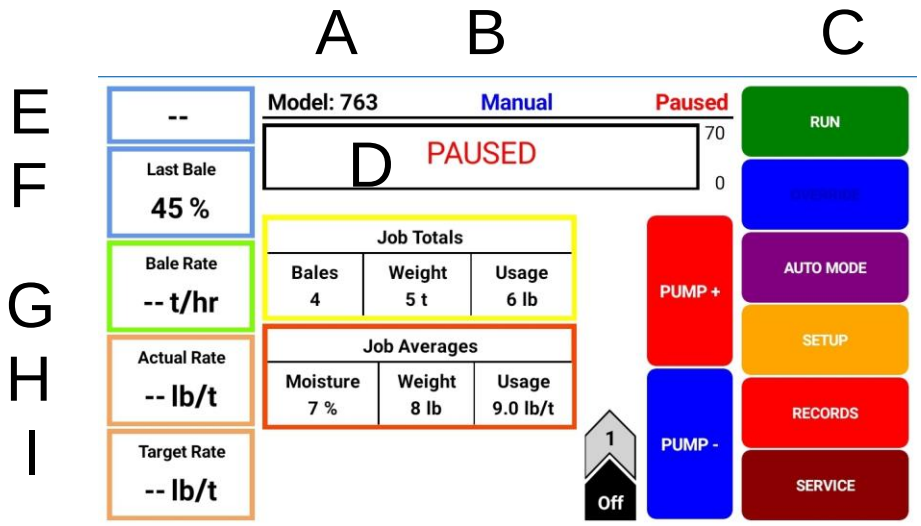


<u>Pressing the Home Button on the tablet, WILL NOT stop application of the Harvest Tec System</u>

Operating the Harvest Tec 700 Series Applicator

The 700 series display is broken down into four main categories:

- **Top**: Status Messages
- **Bottom Center**: Current Job Summary Information
- **Left Side**: Real Time Information
- **Right Side**: Operational Keys



Status Message Descriptions

A) Model: Indicates what model system.

B) Mode: Confirms which mode has been selected.

C) Status: Confirms if system is running or paused. **Note: Upon startup the system is PAUSED.**

D) Histogram: Moisture graph of the last 90 seconds or shows if system is paused.

Real Time Information Boxes

E) Current %: This displays instantaneous moisture reading of hay coming into baler.

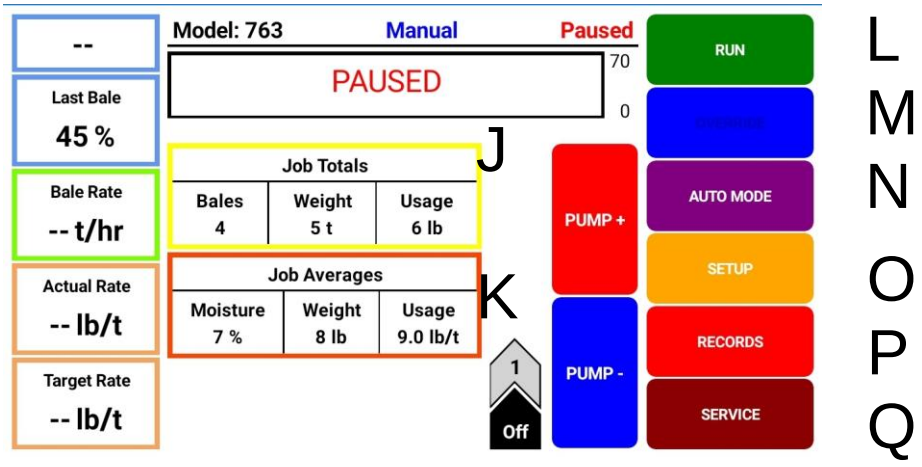
F) Last Bale %: This displays average of all moisture readings taken from last bale made

G) Bale Rate: This displays the tons per hour going through baler. Based on weight and time to make a bale.

H) Actual Rate: Actual amount of preservative being applied.

I) Target Rate: Rate of preservative that the system is set to apply.

Operating the Harvest Tec 700 Series Applicator (continued)



Current Job Summary Boxes

J) Job Totals
- **Bales:** Displays the total number of bales made for the current job.
- **Tonnage:** Displays total tonnage baled in job. Based on number of bales made multiplied by weight.
- **Lbs. Used:** Displays the total amount of preservative applied for job.

K) Job Averages
- **Moisture:** Displays average moisture of all bales made in job.
- **Weight:** Displays the average weight of all bales in job.
- **Lbs. Used:** Displays average amount of preservative applied to each bale in job.

Operational Keys

L) Run / Pause: Toggles between run mode to apply and pause mode to stop applying.

M) Override: Only displays when in run mode while the applicator is applying preservative. Once in override, the applicator will apply at full rate.

N) Manual Mode / Auto Mode: Toggles between auto mode and manual mode preservative application.
- **Auto Mode**: Self-adjusts preservative based on user input values, moisture, and baling rate.
- **Manual Mode**: Allows the ability to manually adjust pump rate based on five fixed rates.

O) Setup: Allows for user inputs for values regarding moisture, baling rate, application rate, ability to change between Variable chamber and Fixed chamber round balers

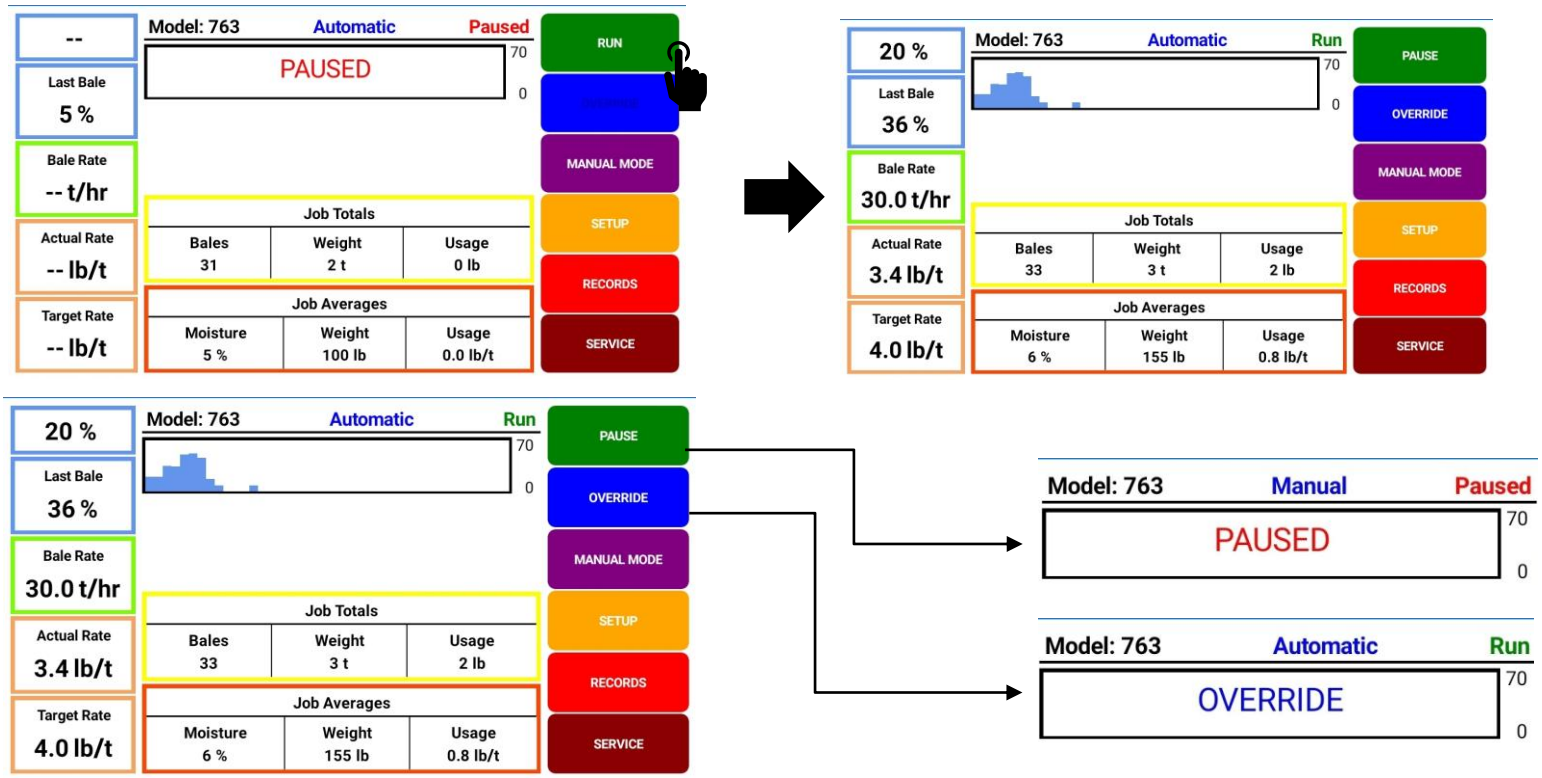
P) Records: Access to view current job, view job list, view a selected job, create a new job, or reopen and add to existing job.

Q) Service: Displays software versions, sensor assignment, annual start-up pump test

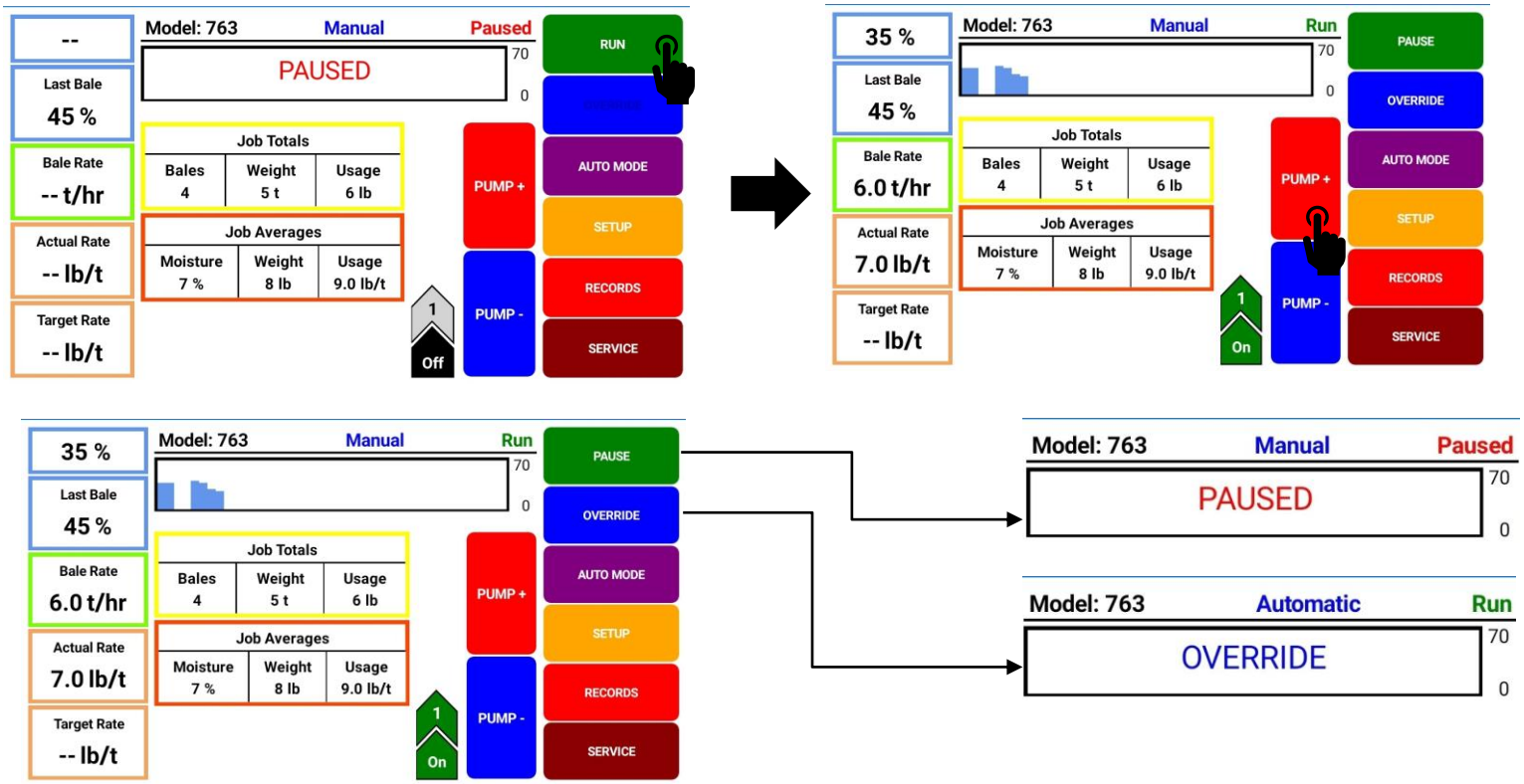
Screen Menus

Use the screen shots below to navigate through the operation screens.

Automatic Mode

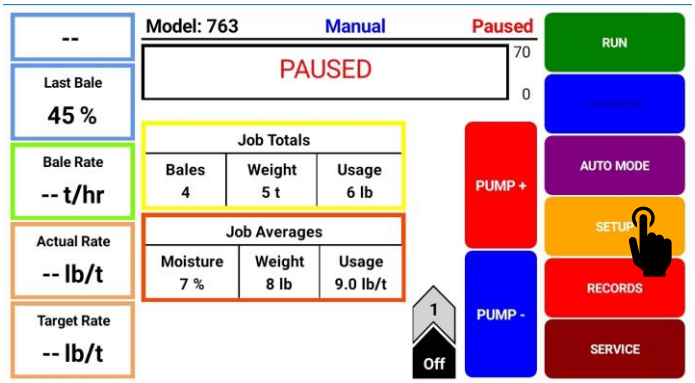


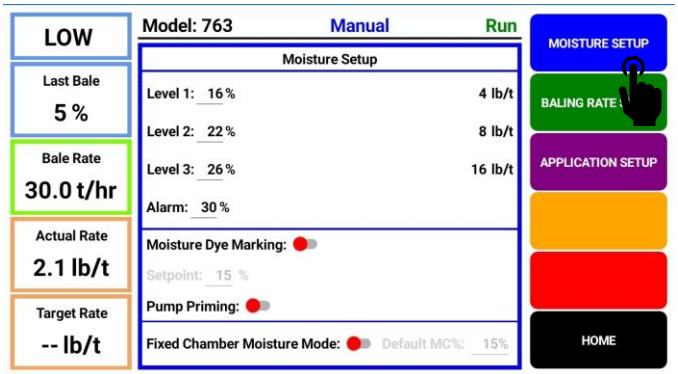
Manual Mode



Setup Mode

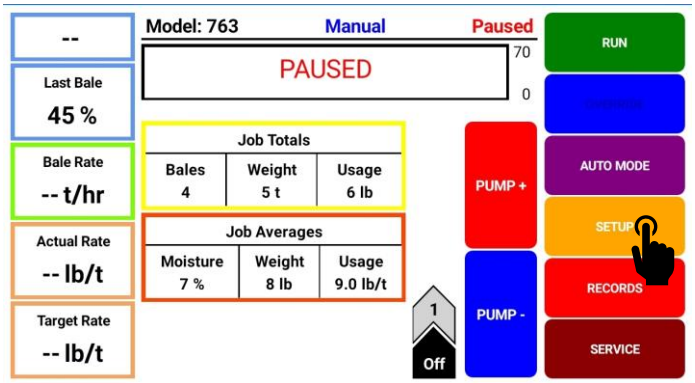
Adjusting Moisture Levels

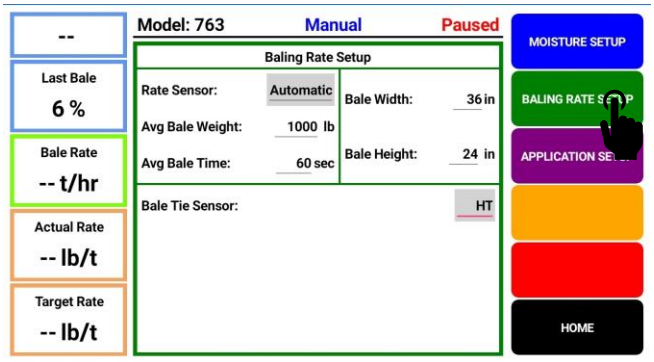




Select and change input boxes / sliders as needed

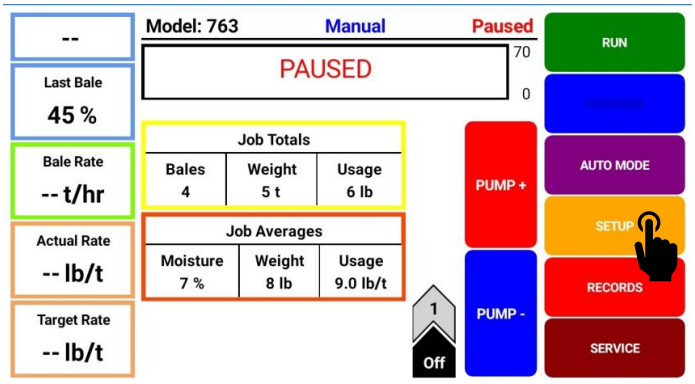
Adjusting Baling Rate

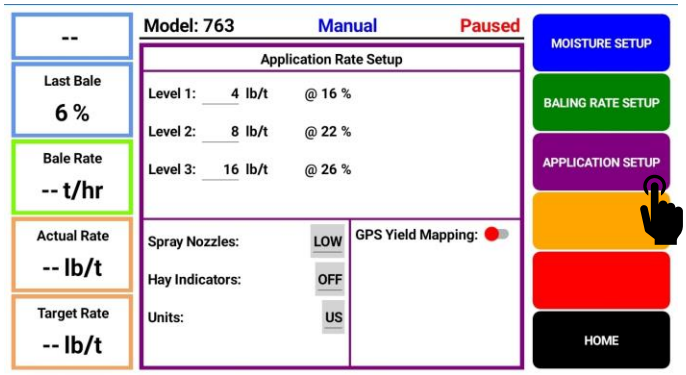




Select and change input boxes / sliders as needed

Adjusting Application Rate



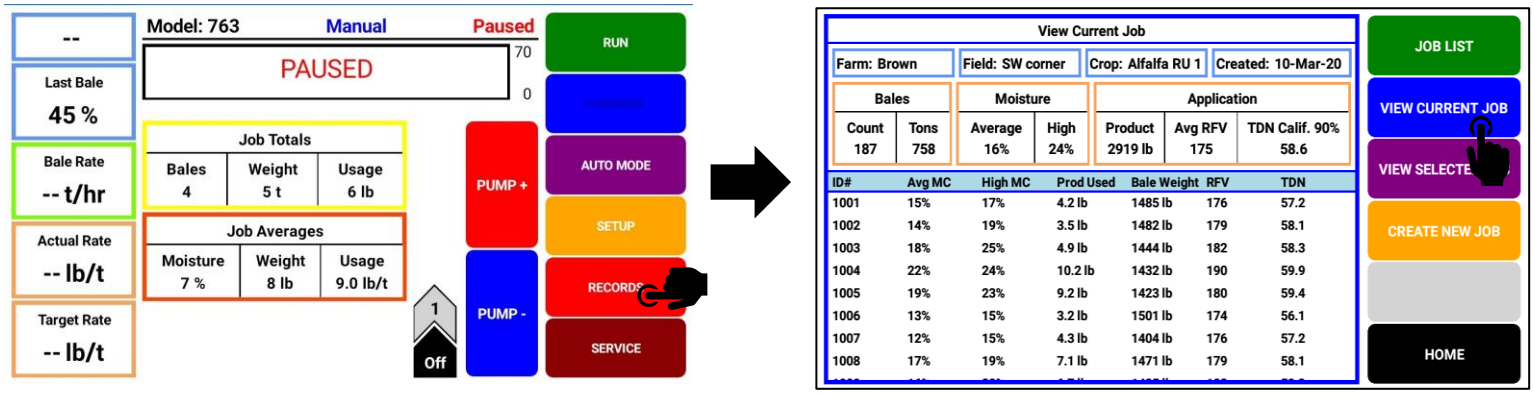


Select and change input boxes / sliders as needed

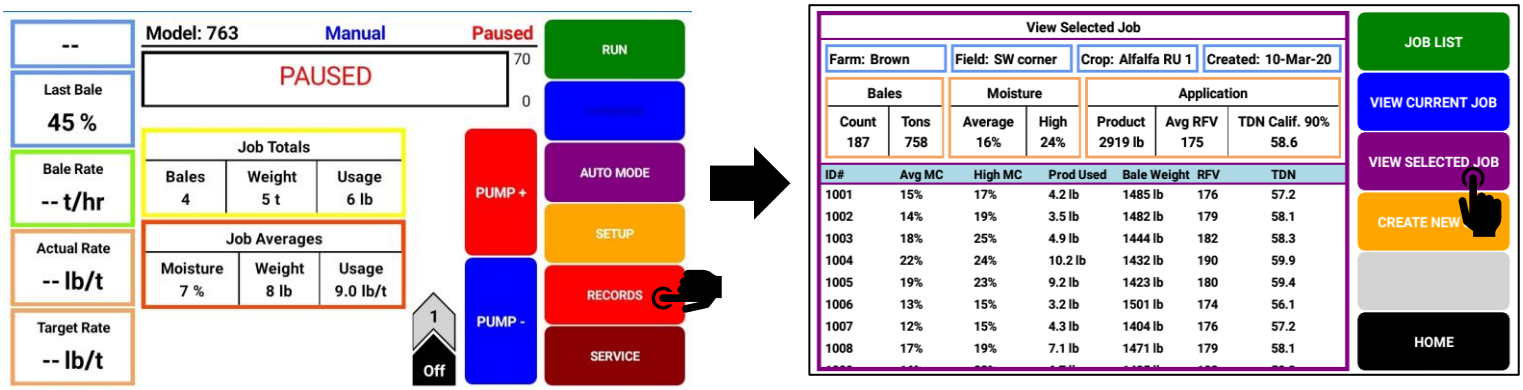
Job Records

View Job List

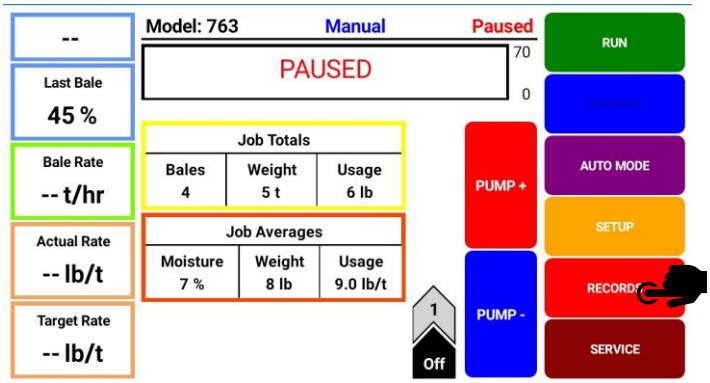
View Current Job List



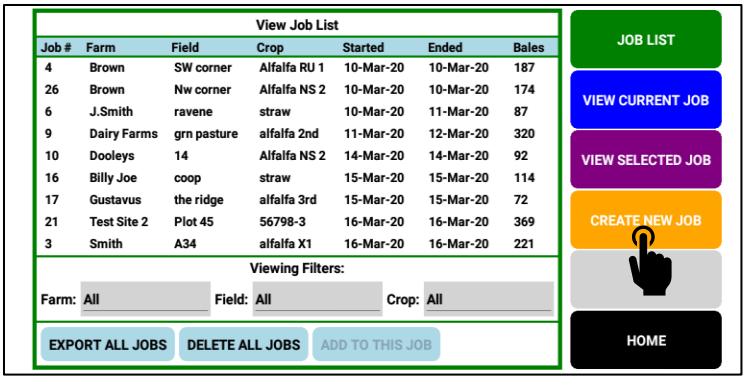
View Selected Job List



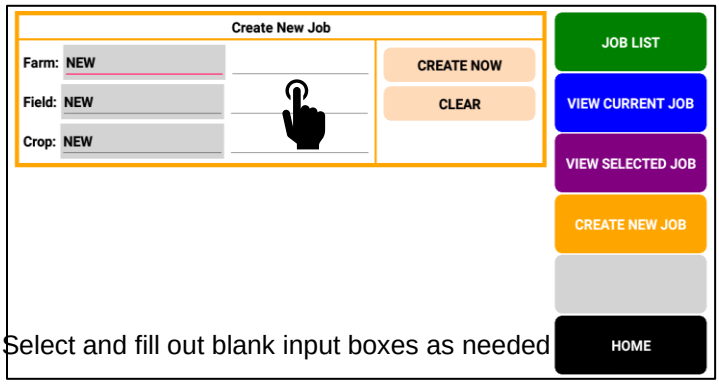
Create a New Job



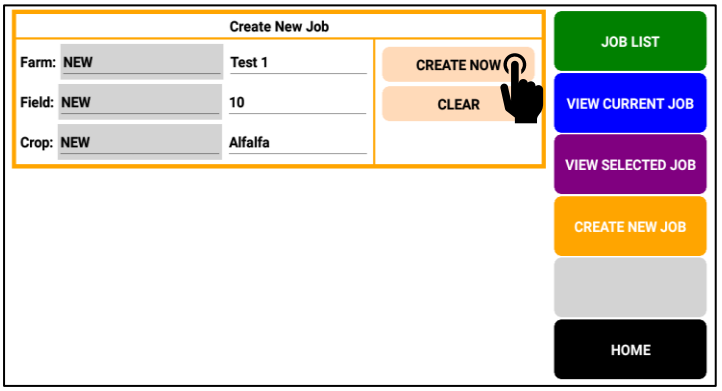
Select Job Details to view job records



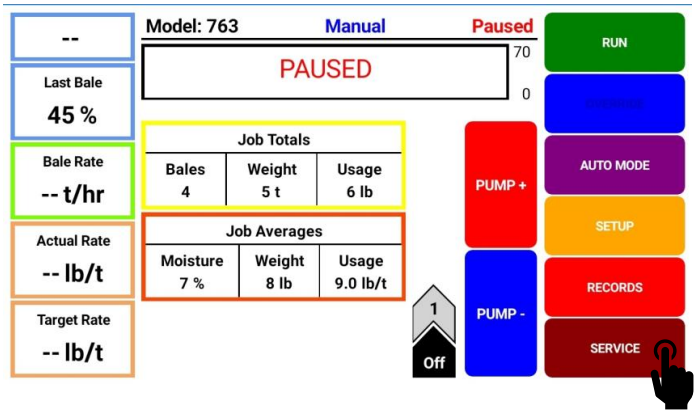
Press Create Job

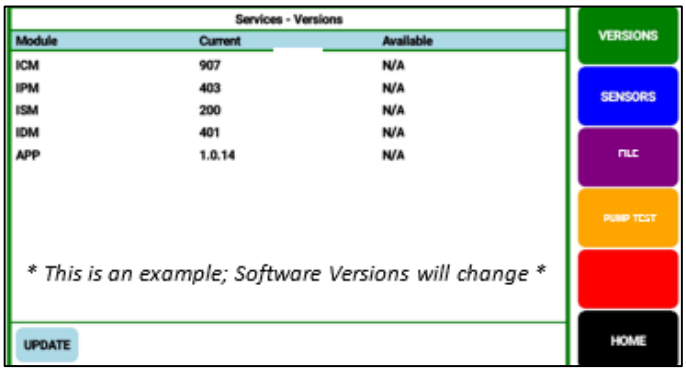


Select and fill out blank input boxes as needed



Software Versions





First Time and Annual Startup Instructions

Check and Prime the Pumps - THE UNIT MUST BE CHECKED OUT BEFORE FIELD OPERATION!

1. Put 10 gal (5L) of water or preservative in tank and turn main ball valve on.
2. Inspect for any leaks or drips currently. If any are found tighten or replace area or fitting.
3. Turn system on.
4. Press the SETUP key, then press BALING RATE SETUP key. Make the following adjustments:
   - Change Rate Sensor to **Manual**
   - Change Avg Bale Weight to match with either HIGH (1500lbs/680kg) nozzles or LOW (1000lbs/450kg) nozzles found in charts below – confirm nozzles installed in spray shield.
     - NOTE – HIGH Output requires addition of 700RBHTK kit (2nd solenoid package) and adjusting "Spray Nozzles" from **Low** to **High** within Application Setup page. Reference **Adjusting Spray Nozzles** section in this manual
   - Change Avg Bale Time to 60 sec (both nozzle sizes)
   - Press the HOME key to return to run screen once changes have all been made.
5. Press MANUAL MODE and the RUN key and the screen shown below will appear.

6. Turn the pump on (Level 1). To turn the pump on, press the red PUMP+ key. This will add a chevron indicating level 1, turning the pump on.
7. Verify the pump output is set on level 1.
8. Move the pump output settings to 2, 3, 4, and 5. With the Bale Rate set as shown in chart t/hr (T/hr), the application rate actual reading should be:

763 Round Baler **LOW** Nozzles (2x 11006 OR T8006)

Bale Weight	**1000 lbs (450 kg)**
Bale Time (sec)	**60**
Bale Rate	**30 t/hr (27 T/hr)**

Preservative #/ton (L/T)			*Water #/ton (L/T)*		
LEVEL	**MIN**	**MAX**	**LEVEL**	**MIN**	**MAX**
1	1.7 (0.8)	2.5 (1.2)	***1***	2.5 (1.3)	3.8 (1.9)
2	2.9 (1.4)	4.3 (2.1)	***2***	3.8 (1.9)	5.8 (2.9)
3	5.1 (2.4)	8.0 (3.8)	***3***	6.7 (3.4)	10 (5)
4	8.0 (3.8)	10 (4.8)	***4***	8.3 (4.2)	12.5 (6.3)
5	9.3 (4.4)	13.8 (6.6)	***5***	10.7 (5.4)	15 (7.6)

763 Round Baler **HIGH** Nozzles (2x 11004 OR T800R, 2x 11008 OR TT8008)

Bale Weight	**1500 lbs (680 kg)**
Bale Time (sec)	**60**
Bale Rate	**45 t/hr (40.8 T/hr)**

Preservative #/ton (L/T)			*Water #/ton (L/T)*		
LEVEL	**MIN**	**MAX**	**LEVEL**	**MIN**	**MAX**
1	1.4 (0.7)	2.0 (1.0)	***1***	1.9 (0.9)	2.8 (1.4)
2	2.9 (1.4)	4.3 (2.0)	***2***	3.9 (1.9)	5.8 (2.9)
3	5.4 (2.6)	8.4 (4.0)	***3***	6.3 (3.2)	9.1 (4.6)
4	7.2 (3.4)	11.2 (5.3)	***4***	9.6 (4.8)	13.8 (6.9)
5	11.7 (5.5)	16.1 (7.6)	***5***	12.4 (6.2)	16.7 (8.3)

9. This process will also be used to prime the pump whenever needed.
10. While running pump check for a good spray pattern out of the respective tips and verify that no parts of the system are leaking.
11. While doing these tests the Volume (Lbs. Used) in Job Totals/Averages on the screen will be increasing, this verifies that the flow meter is functioning.
12. When test is completed, change settings back to original.

Setting Up System for Initial Use

When setting up your system for initial use, you will need to setup three main categories: These consist of Moisture Setup, Baling Rate Setup, and Application Setup. The setup screens can be adjusted during operation of the system and will accept new values after any key is pressed. Be sure to reference the barrel or tote of preservative during setup to know what is needed for different moisture levels. Also, the average weight of bale should be known.

Moisture Setup

This screen allows for the adjustment of three moisture set points. As well as gives additional features such as Moisture Dye Marking (optional) and utilizing the Fixed Chamber round baler feature..

Adjusting Moisture Set Points

- Push the SETUP key on the main run screen, as shown in top left picture.
- On the Setup Mode screen press the MOISTURE SETUP key. Once selected the MOISTURE SETUP screen will be shown. (Top Right Picture)
- Press any of the grey number values to the right of level 1, 2, and 3 to adjust their figures. Remember level 1 must be lower than level 2, and level 2 must be lower than level 3. Press OK when value has been selected. Harvest Tec products recommend set points of 16, 22, and 26 % MC levels. These are preset from the factory. Press Home to return.
- To set the alarm, press the grey number value and set the level at which you want the alarm to activate. To turn the alarm off, set level above 70.

Moisture Dye Marking (Optional Equipment)

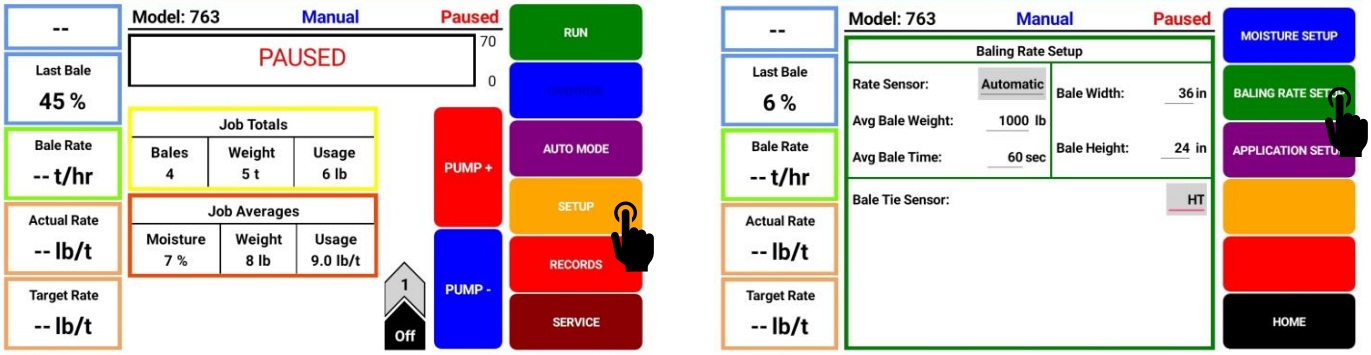
- Turn on and off the moisture dye marker. Reference 740DM manual for more details.
- Set the moisture level for moisture dye marker to spray at.

Fixed Chamber Moisture Mode

- Turn ON when installed on Fixed Chamber baler ONLY. Fixed chamber balers tend to have a softer inner core which does not allow for accurate moisture readings until at least ½ the round bale is making contact with moisture discs. The Default MC% (Moisture Content %) is predetermined by the operator and is an estimate of moisture during baling. Accurate moisture is displayed approximately when ½ the bale is formed inside bale chamber.
    - Note – operator is responsible for manually adjusting Default MC % throughout baling each job
    - Note – keep OFF when running system on Variable Chamber Round Balers

Baling Rate Setup

This screen allows for adjustment in the following: Type of baling rate sensor being used, average bale weight, average bale time, bale width, bale height, & bale tie sensor.



- Push the SETUP key on the main run screen, as shown in top left picture.
- On the setup mode screen press the BALING RATE SETUP key.

Rate Sensor

Option to select between Manual, Automatic, ISOBUS.

- **Manual** uses average bale weight and time to determine tons/hour. Note – manual selection can be used if end of bale sensor fails and will give a fixed baling rate.
- **Automatic** uses average bale weight and 3 bale rolling average end of bale signals to determine tons/hour. Note – if end of bale sensor is damaged, system will maintain the last baling rate calculated
- **ISOBUS** – this feature is currently not used with 763 round baler software (*2023*)

Average Bale Weight

- Set the weight of bale. Bale weight influences Baling Rate.

Average Bale Time

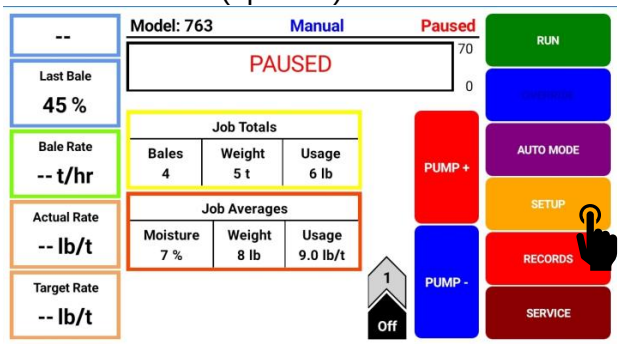
- This is the time hay is coming into the baler. Or it is the total time from bale eject to bale eject Minus the time to tie a bale and time turning on headlands

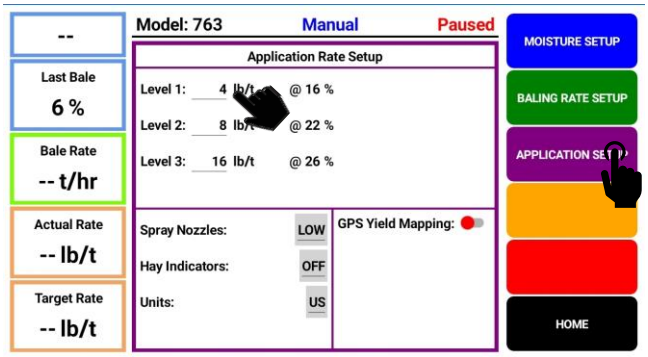
Bale Tie Sensor

- this feature is currently not used with 763 round baler software (*2023*). Set to HT (Harvest Tec) which utilizes the Harvest Tec End of Bale Sensor which sends signal every time bale door is opened.

Application Rate Setup

This screen allows for adjustment of preservative usage: Spray nozzles being used, hay indicator (optional), swath width (optional) needed to use GPS, units (English or Metric), GPS yield mapping (optional), and GPS receiver model (optional).





Adjusting Application Set Points

- Push the SETUP key on the main run screen, as shown in top left picture.
- On the Setup Mode screen press the APPLICATION SETUP key. Once selected the APPLICATION SETUP screen will be shown as seen in top right picture.
- To change rate of chemical application, press any of the grey number values to the right of level 1, 2, or 3. Remember level 1 must be lower than level 2, and level 2 must be lower than level 3. Press OK when value has been selected. Harvest Tec products recommend rates of 4, 8, and 16 lbs./ton (2, 3, 8 L/MT). These rates are preset from the factory. Press HOME to return to main screen.

IT IS THE OPERATOR'S RESPONSIBILITY TO FOLLOW THE RECOMMENDATIONS OF THE PRESERVATIVE. ONLY THE OPERATOR CAN APPLY THE PROPER RATE.

Adjusting Spray Nozzles

Tip Selection - System is set from factory with 004-XR11006 OR 004-T8006 tips. Be sure to change tip output in application setup as needed.

Tip Color	Tip Part Number	Qty	Baling Rate (t/hr)	Tip Output (lb/hr)
Grey/Green	11006 OR T8006	2	1.0 - 28.75	16 - 460

Manual Mode Output Ranges (For Approx. Reference Only)	L1	L2	L3	L4	L5
	48 lb/hr	100 lb/hr	180 lb/hr	260 lb/hr	360 lb/hr

Tip Color	Tip Part Number	Qty	Baling Rate (t/hr)	Tip Output (lb/hr)
Red/Green	11004 OR T8004	2	1.5 - 43.75	24 – 700*
White/Blue	11008 OR T8008	2		

Manual Mode Output Ranges (For Approx. Reference Only)	L1	L2	L3	L4	L5
	80 lb/hr	180 lb/hr	320 lb/hr	460 lb/hr	620 lb/hr

Note: lower baling rates with high output tips may result in poor spray pattern

***Optional High Output Tip Kit 700RBHTK Required**

Turn ON/OFF Hay Indicators

- Turn sliders on for Hay Indicators if system is equipped, otherwise leave off. Mount at baler pickup and automatically pause applicator upon crop flow discontinuing. Crop Eye Kit 474C.

Adjusting Swath Width

- Input average swath width in the field.

Change Units

- Adjust the unit between metric and standard units.

(Application Rate Setup, cont.)

Turn ON/OFF GPS

- Turn on or off GPS if equipped with Harvest Tec GPS module. Optional Kit number: 030-780GPS.

Selecting GPS Receiver

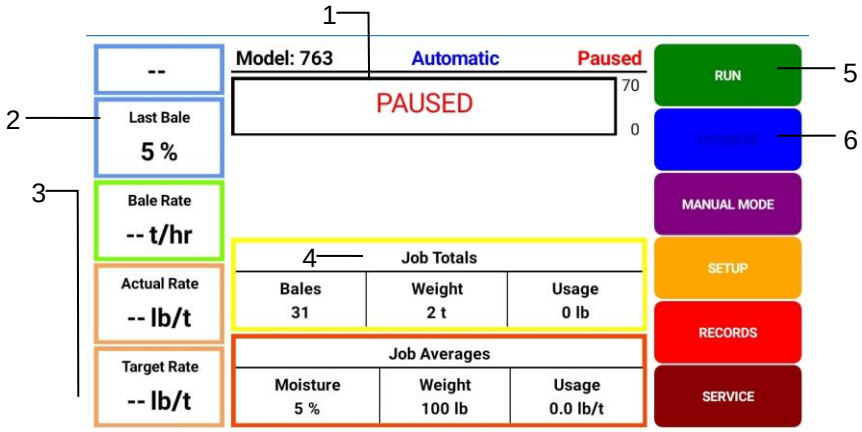
- Select style of GPS device equipped on baler. Reference 030-780GPS Manual for additional details

Operation Instructions

Automatic mode will automatically apply product based on hay moisture content sensed by the moisture sensors and the operator's presets. See SETTING UP SYSTEM FOR INITIAL USE to change any settings.

Automatic Mode

After pushing the AUTOMATIC MODE key in the Main Menu screen, the following screen will appear:



1. The graph shows the moisture trend from the past 90 seconds in 3 second intervals.

2. The moisture content is shown in the upper left corner.

3. Baling Rate and Application Rate are shown on the middle left of the screen. The operator sets the target application rate and baling rate in the setup mode; it is common the actual rate will fluctuate above and below the target rate.

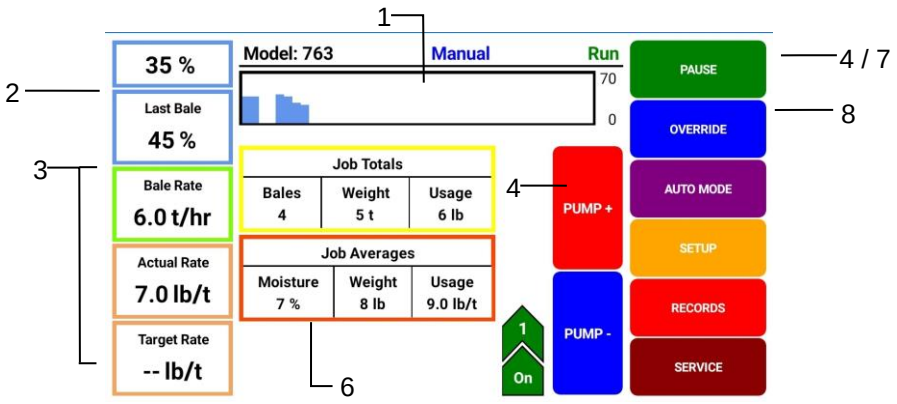
4. Job Totals and Job Averages will show at the bottom center of the screen. These numbers will only reset once a new job record is created. **NOTE: Initial start-up requires pressing the CREATE NEW JOB key in the RECORDS screen for volume used accumulation to be recorded**. **This only needs to be done once on initial start-up of system and not every time.** (See JOB RECORDS screen)

5. To pause the unit while in operation select the PAUSE key, select RUN key to resume operation.

6. Push the OVERRIDE key to turn the pump for full output of the system. Use this mode when going through a short area of wet crop. Select NORMAL key to resume operation.

Manual Mode

After pushing the MANUAL MODE key on the main run screen, the following screen will appear:
When pump is ON, manual mode will apply preservative to the hay at a fixed rate regardless of the moisture or tonnage.



1. This graph shows the moisture trend from the last 90 seconds in 3 second intervals.

2. The moisture content is shown in the upper left-hand corner.

3. Baling rate and Application rate are shown in the bottom left of the screen.

4. To turn the pump on, press the RUN key. Every time PUMP+ is pressed this adds a chevron.

   In Manual Mode (regardless of moisture, baling rate or bale weight) the outputs are fixed rates.

5. Press PUMP+ key from level 1 → 5 to increase the amount of preservative being applied.

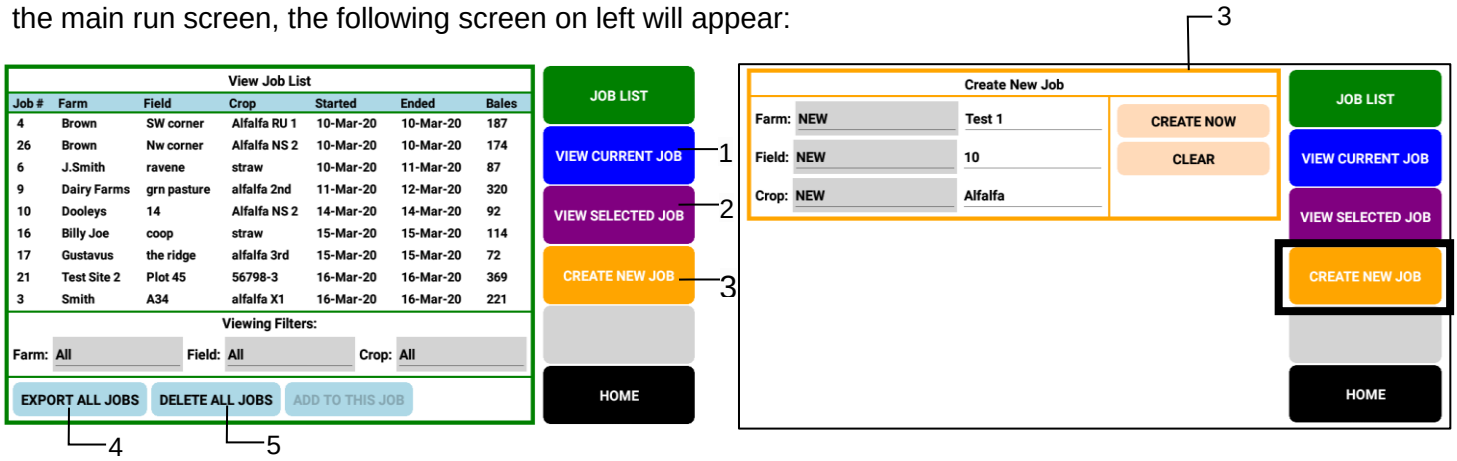
6. Job Totals and Job Averages will show at the bottom center of screen. These numbers will reset once a new job record is created **NOTE: Initial start-up requires pressing the CREATE NEW JOB key in the RECORDS screen for volume used accumulation to be recorded**. **This only needs to be done once on initial start-up of system and not every time.** (See JOB RECORDS instructions)

7. To pause the unit during operation, select the PAUSE key, select RUN key to resume operation.

8. Push the OVERRIDE key to turn on the pump for full output of the system. Use this mode when going through a short area of wet crop. Select NORMAL key to resume operation.

Job Records

This screen allows for adding, editing, and continuation of all job records. After pushing the RECORDS key on the main run screen, the following screen on left will appear:



View Current Job (1)

- This will display current real time job information.

View Selected Job (2)

- Allows the user to select any job in JOB LIST and view, edit, or continue to add to the selection.

Create New Job (3)

- Select the CREATE NEW JOB key to generate a new job record.
- Enter desired farm, field, and crop name and press CREATE NOW.
- The job details screen will appear with name of the job shown under the Job List. Information shown on this screen will include Job Number, Field Name, Crop, Date, and Total Bales.
- Every time the CREATE NEW JOB key is pressed the accumulated pounds on auto and manual modes will be reset to zero.
- To return the operating screen, press the HOME key. *NOTE*: Initial start-up requires pressing the CREATE NEW JOB key in the Records. This only needs to be done once on initial start-up of system and not every time the system is started for operation.

Export Job (4)

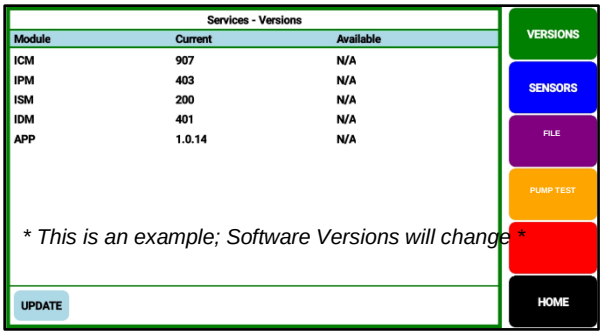
- Insert USB drive to ICM Port located in tractor cab. Select the job(s) wished to export, once selected, press EXPORT key.

Delete Job (5)

- Select the job(s) wished to delete, once selected, press the DELETE key.

Service

After pushing the Service key on the main run screen, the following will appear:

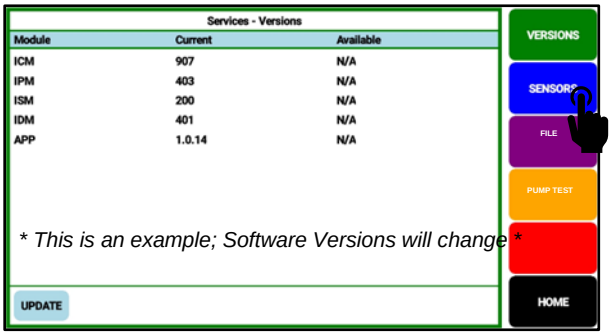


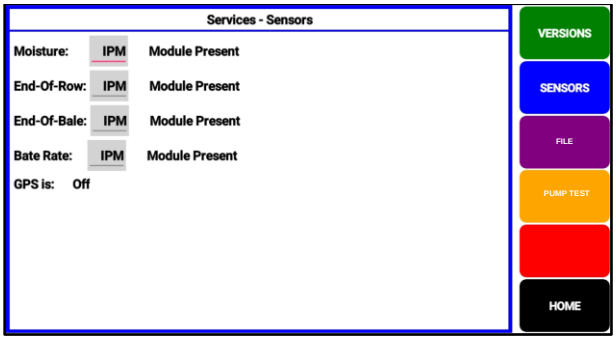
This will show the current version of software being used on the 700 series applicator system.

Note: Any software updates that are available will be shown at: www.harvesttec.com/product-updates/

Sensors

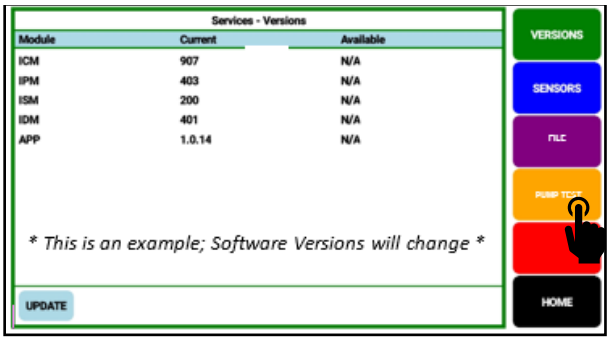
Within the Service menu, select SENSORS key to select sensor setup. NOTE – all sensors should be set to IPM for operation of 763 software (2023)

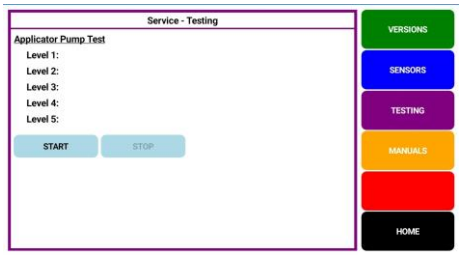


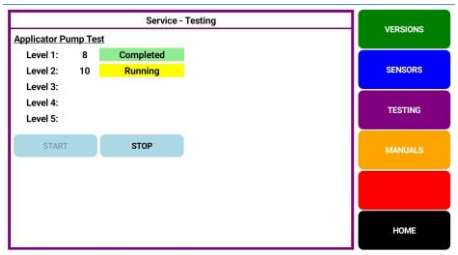


Pump Test

Within the Service menu, select PUMP TEST key. Once in Pump Test screen, select TESTING:







Make sure baler is in an area where spray from the applicator will not cause any unwanted mess. The test will run for one minute and 40 seconds, spraying up to two gallons of fluid. Readings will update every 3 seconds and the last reading will be the completed value. Each level will run for 20 seconds.

Use range tables below to compare Pump Test values:

763 Round Baler **LOW** Nozzles *(2x 11006 OR T8006)*					
Preservative			***Water***		
LEVEL	**MIN**	**MAX**	**LEVEL**	**MIN**	**MAX**
1	52.00	76.00	***1***	60.00	90.00
2	85.00	128.00	***2***	95.00	140.00
3	175.00	260.00	***3***	190.00	280.00
4	240.00	360.00	***4***	245.00	365.00
5	345.00	510.00	***5***	310.00	460.00
763 Round Baler **HIGH*** Nozzles *(2x 11004 OR T8004, PLUS 2x 11008 OR T8008)*					
Preservative			***Water***		
LEVEL	**MIN**	**MAX**	**LEVEL**	**MIN**	**MAX**
1	60.00	90.00	***1***	90.00	135.00
2	128.00	190.00	***2***	180.00	270.00
3	240.00	355.00	***3***	280.00	420.00
4	335.00	500.00	***4***	420.00	620.00
5	510.00	750.00	***5***	550.00	750.00
	*Installation of Optional High Output Tip Kit 700RBHTK Required				

Maintenance

If you are unsure how to perform any of the maintenance steps have your local authorized dealer perform the tasks.

Maintenance Schedule

	Daily	10 hrs	400 hrs	Weekly	Monthly	Season
Diagnostics	X					X
Filter bowl cleaning		X				X
Tips & tip screen cleaning		X				X
Tank lid cleaning		X				X
Dielectric grease connections					X	X
Rebuild pump			X			
Battery connections				X		X
Check valves			X			
Visually inspect hoses				X		X

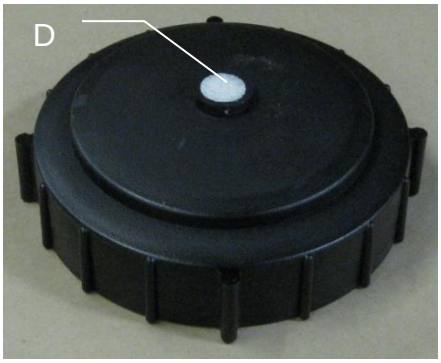
Filter bowl cleaning: The filter bowl is located in front of the applicators tank and is connected to the ball valve. Before cleaning the filter bowl all personal protective equipment must be worn (Face shield or goggles, chemically resistant apron, boots, and gloves).

Verify that the ball valve located next to the pump is turned off. Locate the filter bowl on the side of the pump manifold (A). Unscrew the bottom section of the filter bowl and remove the strainer (B). Clean off any debris and soak in warm water with a mild soap if necessary. Once the screen is clean reinstall by following the directions in reverse.

Tips & tip screen cleaning: Before cleaning the tips and screens all personal protective equipment must be worn (Face shield or goggles, chemically resistant apron, boots, and gloves).

Verify that the ball valve located next to the pump is turned off. Disconnect spray shield from hangers if possible or remove tips in place. Remove the tip, and screen if equipped. Some models may require a wrench to remove. Clean off any debris and soak tip and screen in warm water with a mild soap if necessary. Once the tips and screens are cleaned reinstall by following the directions in reverse.

Tank lid cleaning: Before cleaning the tank lid all personal protective equipment must be worn (Face shield or goggles, chemically resistant apron, boots, and gloves).



The tank lid is located on the top of the tank. Unscrew the tank lid and bring down ground level. Use compressed air clean out the tank screen (D). Once the screen is cleaned reinstall the cover.

Dielectric grease connections: Disconnect all harnesses on the applicator, clean the connections, and repack with dielectric grease.

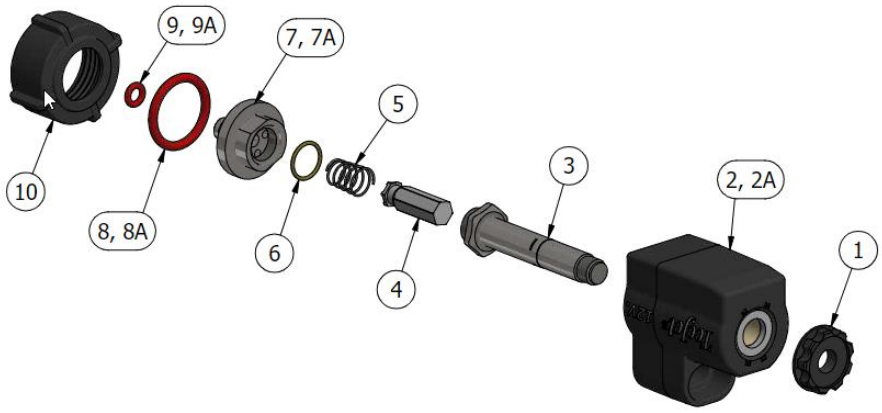
Rebuild pump: If Manual mode shows that the pump is running lower than normal, a pump rebuild may be necessary. To do this rebuild the pump must be removed from the pump manifold. The pump rebuild is part number 007-4581.

Verify that the ball valve is turned off. Before working around the pumps all personal protective equipment must be worn (Face shield or goggles, chemically resistant apron, boots, and gloves). Remove pump from manifold. Follow rebuild instructions supplied with pump rebuild kit. Reinstall after rebuild is complete.

Battery connections: Follow the batteries safety warnings and clean the battery connections. If the connections cannot be cleaned, replace harness.

Solenoid Valves: Before servicing the solenoid(s), all personal protective equipment must be worn (Face shield or goggles, chemically resistant apron, boots, and gloves), inlet side of solenoid could be under pressure Clean the solenoid valve body (004-1207VF).

Verify the ball valve is turned off before service the solenoid. Replace the solenoid if needed (002-2203F). Replacement Pulsing Solenoid EPDM O-Ring kit available (002-2203FG).



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.

Miscellaneous Maintenance:

1. Depending on the product being used, the system may need to be flushed with water at a regular interval (consult with manufacturer of the chemical.) If Harvest Tec product is being used, flushing is not necessary.
2. Although the pump can run dry, extended operation of a dry pump will increase wear. Watch the preservative level in the tank.
3. If you are using bacterial inoculants, flush your system daily after every use.
4. **DO NOT PRESSURE WASH CONTROL BOXES, PLUG CONNECTIONS OR MOISTURE SENSORS.**

Winter Storage: If system is used with the Harvest Tec buffered propionic acid, the system does not need to be drained as long as the tank, tank cap, and system components are in good condition and free of cracks or leaks. Turning off the tank supply line, removing the filter bowl and running the pump for a short duration is sufficient to purge the preservative from the intake lines. Disconnect hose from solenoid, remove spray tips and drain all lines on the outlet side. Store any collected preservative in a sealed container or return to tank. Reinstall filer bowl, solenoid hose and spray tips after draining.

If other products are used, then follow this procedure:

1. Thoroughly flush the system with water.
2. Remove the filter bowl and run dry until the water has cleared out of the intake side.
3. Drain all lines on the outlet side.
4. Never use oils or alcohol based anti-freeze in the system.
5. For spring start-up, if the pump is frozen, turn off the power immediately to avoid burning the motor or damaging the circuit board. The pump head can be disassembled and freed or rebuilt in most cases.
6. Disconnect power from the IPM module.
7. Remove display from tractor and store in a warm, dry place

Common Questions

1. **How do I turn the system on/off?**

   To turn the system ON, turn tractor key on to power up.

   To turn the system OFF, turn off tractor key.

   If operating via Tablet, see SHUTTING DOWN THE PRECISION BALING APP for more details.

2. **How to get in the LBS/TON, MC%, and TONS/HR screens?**

   Press the SETUP key. Select MOISTURE SETUP to change moisture level settings, select APPLICATION SETUP to change your application settings, select BALING RATE SETUP to change tons/hour settings. . See SETTING UP SYSTEM FOR INITIAL USE for a detailed explanation of this process.

3. **The unit is stuck in the Application Setup screen.**

   In the Application Rate screen, level 1 must be less than level 2, and level 2 must be less than level 3. For example, if level 1 is set at 16, level 2 must be set at 17 or higher, and level 3 must be set higher than level 2.

4. **How does OVERRIDE work?**

   Override turns on the pump and opens the solenoid for full output. The pump and solenoid will remain at full output until the operator turns the pump off by pressing the NORMAL key again.

5. **The flow meter reading is more or less than the programmed level set in the box.**

   Some variation in flow meter readings compared to the programmed set point is normal due to factory tolerances on the pump motor as well as varying tractor voltages inputted to the control box. The flow meter reading is an accurate measure of how much product is being applied. The set points then will need to be adjusted if you want to attain a different flow meter reading.

6. **The moisture content displays “LO” or “HI” all the time.**

   When the moisture content display does not change frequently while baling, there is likely a faulty moisture disc connection. Check all moisture harness wires and connectors to see if there is a continuity or grounding problem.

7. **Should the battery connections be removed before jump starting or charging a battery?**

   Yes, anytime the tractor will have voltage going up rapidly the connections should be removed.

Troubleshooting

Problem	Possible cause(s)	Solution(s)
Pump will not run	1. No voltage to IPM.	1. Check for short, low voltage, and replace fuse if necessary.
	2. Pump locked up.	2. Clean or rebuild pump if motor ok
	3. Damaged wire.	3. Repair damaged wire.
	4. Damaged solenoid	4. Replace / Clean
Pump runs but will not prime	1. Air leak in intake.	1. Tighten fittings on intake side. Replace filter bowl O-ring.
	2. Clogged intake.	2. Clean.
	3. Restricted outlet.	3. Check and clean tips.
	4. Check valve stuck closed.	4. Clean or repair check valve.
	5. Dirt inside pump.	5. Replace pump check valve.
Pump does not develop enough output.	1. Air leaks or clogs on inlet.	1. Tighten or clean filter bowl
	2. Pump worn or dirty.	2. Rebuild pump.
Moisture reading errors (reading high or low)	1. Wire disconnected or bad connection between moisture disc and IPM.	1. Reconnect wire. Touch both moisture discs with 2 hands. Human body should have a moisture reading between 20-28% moisture on the screen
	2. Low power supply to IPM	2. Check voltage at IPM box for min of 12V
	3. Build up of hay material inside of bale chamber contacting moisture disc and side wall of chamber	3. Remove build up contacting moisture disc
	4. Short in moisture disc harness.	4. Replace harness
Moisture reading erratic	1. Check all wiring connections for corrosion or poor contact.	1. Apply dielectric grease to all connections.
	2. Check power supply at tractor. Voltage should be 12V-14V	2. Replace battery harness. Install voltage surge protection on tractors alternator.
Product is less than actual product used.	1. Voltage supplied to flow meter is less than 11 volts.	1. Check for a min of 11 volts supplied at IPM module.
	2. Wiring short in signal to IPM.	2. Inspect wire and replace if necessary.
	3. Using product other than Harvest Tec	3. Catch and weigh product for output.
Product shown is 10% different than actual product used.	1. High voltage supplied to the meter.	1. Check voltage at IPM. Max of 18V.
	2. Air leak in intake.	2. Look for air bubbles in line. Replace line or other defective area that is allowing air into the system.
	3. Using product other than Harvest Tec	3. Catch and weigh product for output.
System leaks product out of tips after shutting down.	1. Dirty or defective solenoid	1. Clean or Replace.
System does not pause at the end of a row.	1. Short in harness 2. Damaged sensor 3. Sensor misalignment	1. Replace harness 2. Replace sensor 3. Align sensors – see 474C manual
Solenoid will not pulse	1. Dirty or plugged solenoid 2. Damaged wire from control 3. Wire disconnected	1. Clean or Replace 2. Repair 3. Reattach
ISO Communication Module light will not illuminate	1. ICM Module receiver not connected 2. Harness disconnected 3. Low power	1. Check connections and voltage. Minimum of 12.5 volts required.
	Green Light – When the ISO Communication Module is properly connected, a blinking green light will indicate connection.	

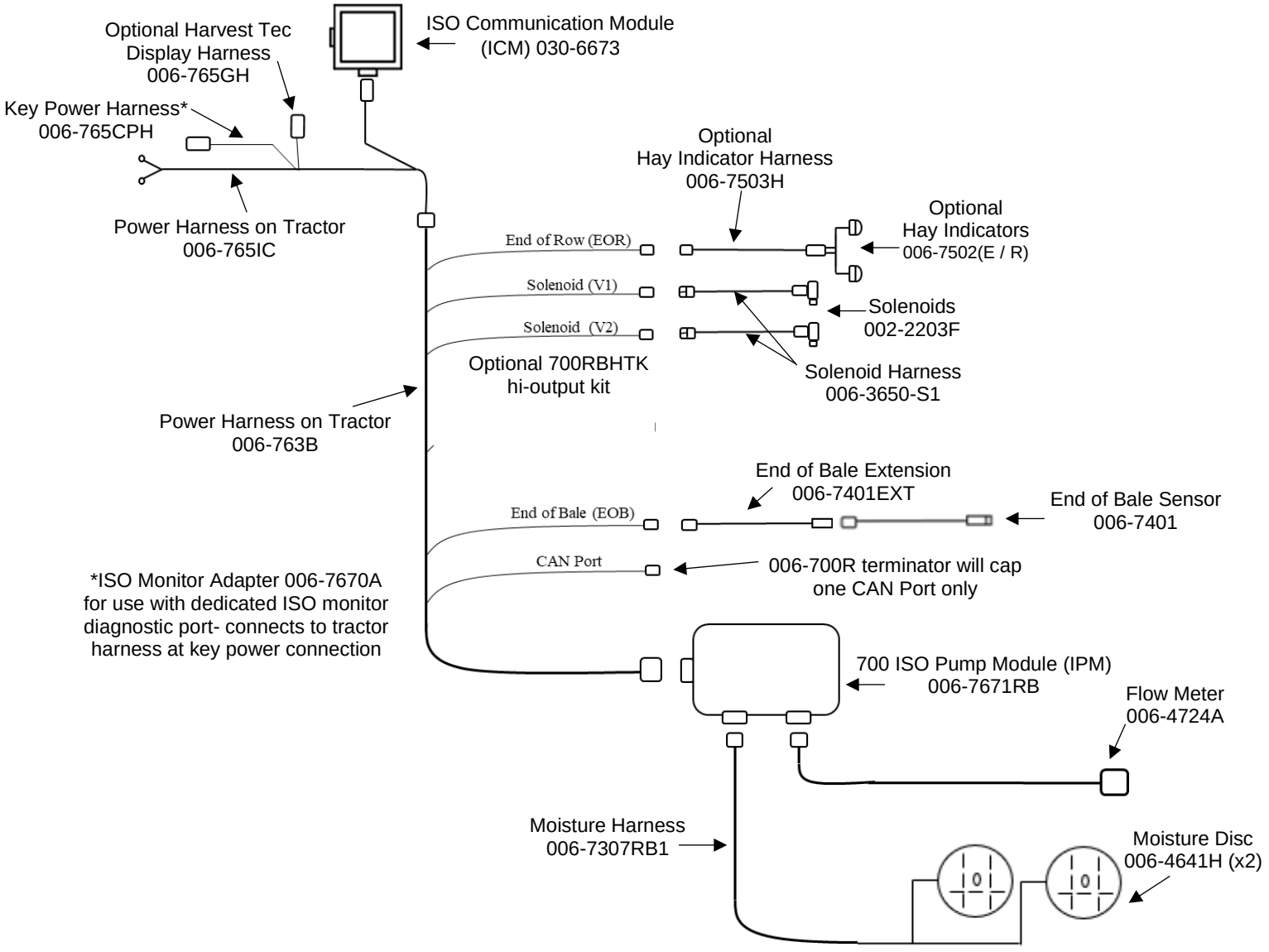
Tablet Troubleshooting

Tablet Symptom	Troubleshooting
Tablet will not turn on	- Turn tablet off and on. Press and hold the Sleep/Wake button for a few seconds until powered completely off. Press and hold the Sleep/Wake button to turn on again.
	- Battery may be drained. Plug tablet into computer or AC adapter and see if anything happens. The tablet will recognize it has been connected to a power source and charge its battery. If it will no longer charge, the battery must be swapped with a replacement battery.
Tablet touchscreen is slow or does not respond	- Screen may be dirty. Clean screen. Unplug everything, turn off tablet and with soft, lint-free, slightly damp cloth gently wipe screen. DO NOT use window cleaner and paper towels. - If screen protector sheet installed, try removing it.
Tablet is not charging or is slow to charge	- To charge tablet, you can try either connecting to a power outlet or connecting to a USB 2.0 port on a computer.
How can I unlock my tablet if I forgot the passcode	- If cannot remember passcode, will need to restore device using the computer with which was last synced. This allows for ability to reset your passcode and resync the data from the device (or restore from a backup).
How do I send in my tablet for service?	- Refer to tablet owner's manual. DO NOT SEND TABLET TO HARVEST TEC
For other issues refer to tablet's Owner's Manual or contact Apple Directly	

Harvest Tec Does Not Service Tablets

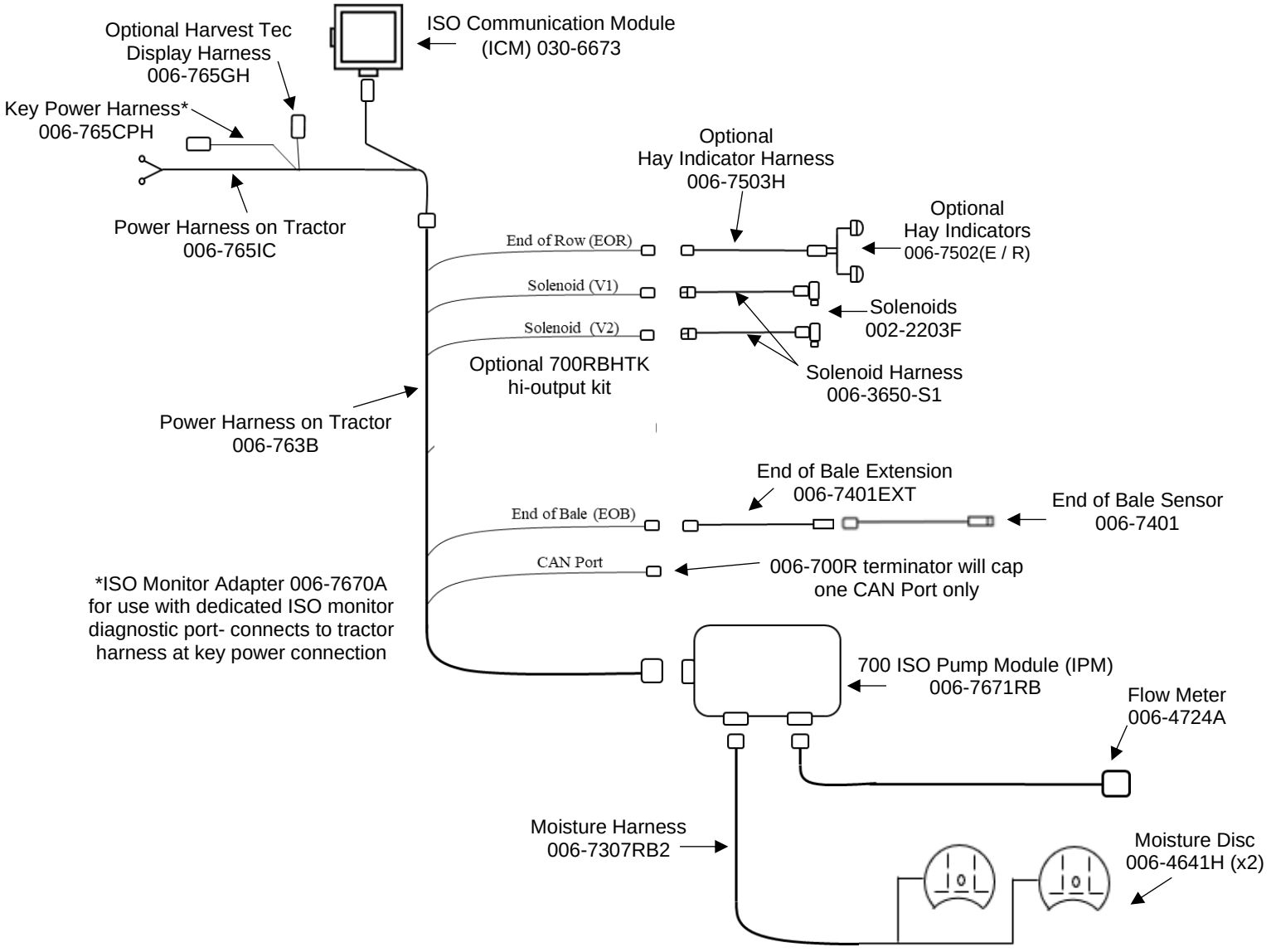
Wiring Diagram – 731, 735Z, 737, 738K, 747, & 749 Models

1. Connect the power harness (006-765IC) to the tractor battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.
   - **A. The power harness must be connected to the battery!**
     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 (006-763B) will connect to the tractor power harness (006-765IC) at the hitch.
3. Connect the keyed power wire (006-765CPH) to a keyed power source on the tractor.
   The keyed power wire must connect to a keyed source or the unit will not power up correctly.
4. Attached the ISO Communication Module (006-6673) to the tractor power harness (006-765IC).
5. Attach the End of Bale (EOB) connection on baler harness (006-763B) to the EOB Sensor (006-7401).
6. Attach the Solenoid (SOL 1) connections on the baler harness (006-763B) and to the solenoids (002-2203F).
7. Attach the Flowmeter (006-4724A) to the Pump Module connection on pump plate assembly.
8. Attach the rubber molded connector on pump plate to the Pump (007-4120DE).
9. Attach moisture disc harness (006-7307RB1) connection to the IPM and connect to Moisture Discs
10. Ensure 006-700R terminator is connected to CAN/IDM port on 006-763B harness



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

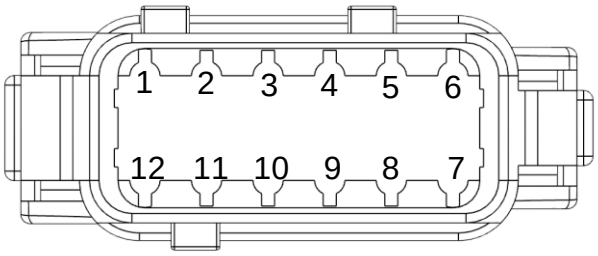
1. Connect the power harness (006-765IC) to the tractor battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.
    a. **The power harness must be connected to the battery!**
        i. **CONTACT HARVEST TEC BEFORE MODIFICATIONS.**
        ii. **The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty**
    b. **This unit will not function on positive ground tractors.**
    c. **If the unit loses power while operating it will not keep track of accumulated pounds of product used.**
2. The power harness on the tractor (006-765IC) will run from the tractor battery to the hitch. The power harness on the baler (006-763B) will connect to the tractor power harness (006-765IC) at the hitch.
3. Connect the keyed power wire (006-765CPH) to a keyed power source on the tractor.
    a. **The keyed power wire must connect to a keyed source or the unit will not power up correctly.**
4. Attached the ISO Communication Module (006-6673) to the tractor power harness (006-765IC).
5. Attach the End of Bale (EOB) connection on baler harness (006-763B) to the EOB Sensor (006-7401).
6. Attach the Solenoid (SOL 1) connections on the baler harness (006-763B) and to the solenoids (002-2203F).
7. Attach the Flowmeter (006-4724A) to the Pump Module connection on pump plate assembly.
8. Attach the rubber molded connector on pump plate to the Pump (007-4120DE).
9. Attach moisture disc harness (006-7307RB2) connection to the IPM and connect to Moisture Discs
10. Ensure 006-700R terminator is connected to CAN/IDM port on 006-763B harness



Pin Outs

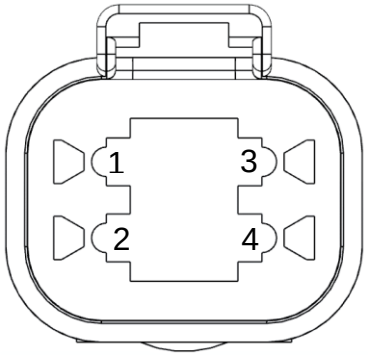
Integrated Control Module (ICM) on Tractor Harness 006-765IC
(Deutsch Plug Number: DTM06-12SA)

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



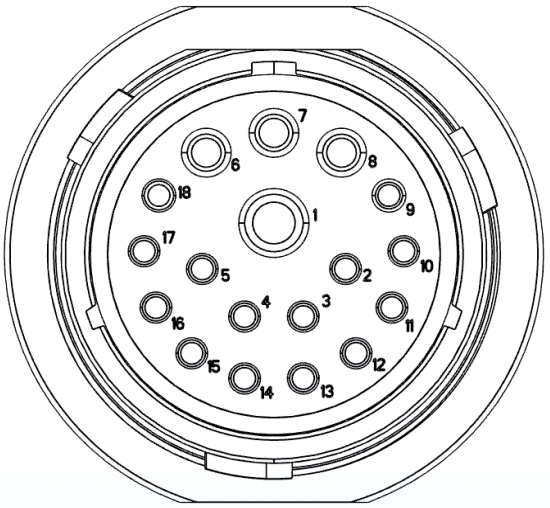
ISOBUS Plug on Tractor Harness 006-765IC
(Deutsch Plug Number: DT04-4P)

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



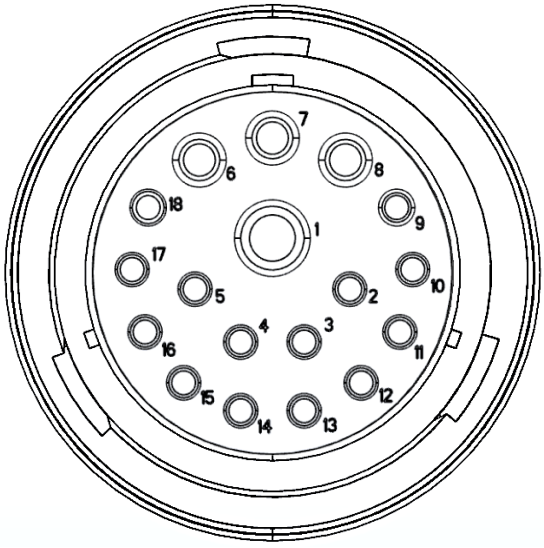
Power / Communication on Tractor Harness 006-765IC at Hitch
(Deutsch Plug Number: HDP24-24-18PN)

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



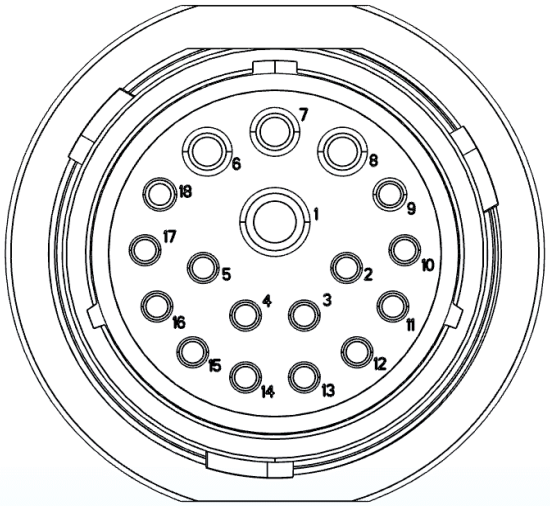
Pin Outs (continued)

Power / Communication on Baler Harness 006-763B at 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	Not Used	----
Pin 11	Not Used	----
Pin 12	Not Used	----
Pin 13	Not Used	----
Pin 14	Not Used	----
Pin 15	Not Used	----
Pin 16	Not Used	----
Pin 17	Not Used	----
Pin 18	Not Used	----

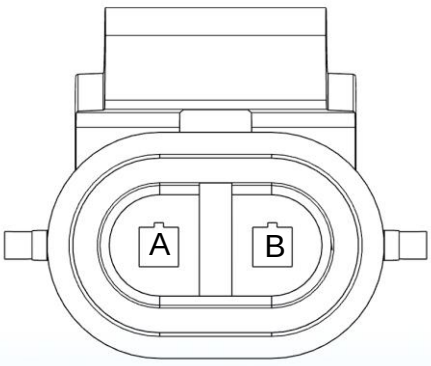
Power / Communication on Baler Harness 006-763B at IPM Module
(Deutsch Plug Number: HDP24-24-18PN)



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

*IPM Module Whip Plug- Pin # 5 Not Used

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



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

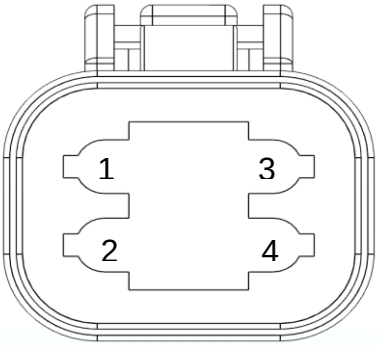
Solenoid 2 Plug on Baler Harness 006-763B
(Deutsch Plug Number: APTIV 12052641)

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

Pin Outs (continued)

CAN / IDM on Baler Harness 006-763B
(Deutsch Plug Number: DT06-4S)

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

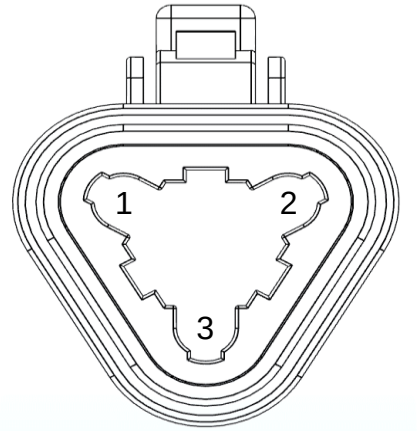


End of Bale Sensor Plug on Baler Harness 006-763B
(Deutsch Plug Number: DT06-3S)

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

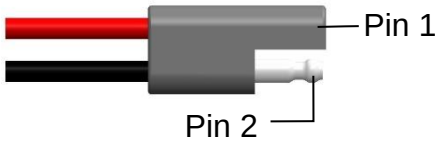
End of Row Sensors Plug on Baler Harness 006-763B
(Deutsch Plug Number: DT06-3S)

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



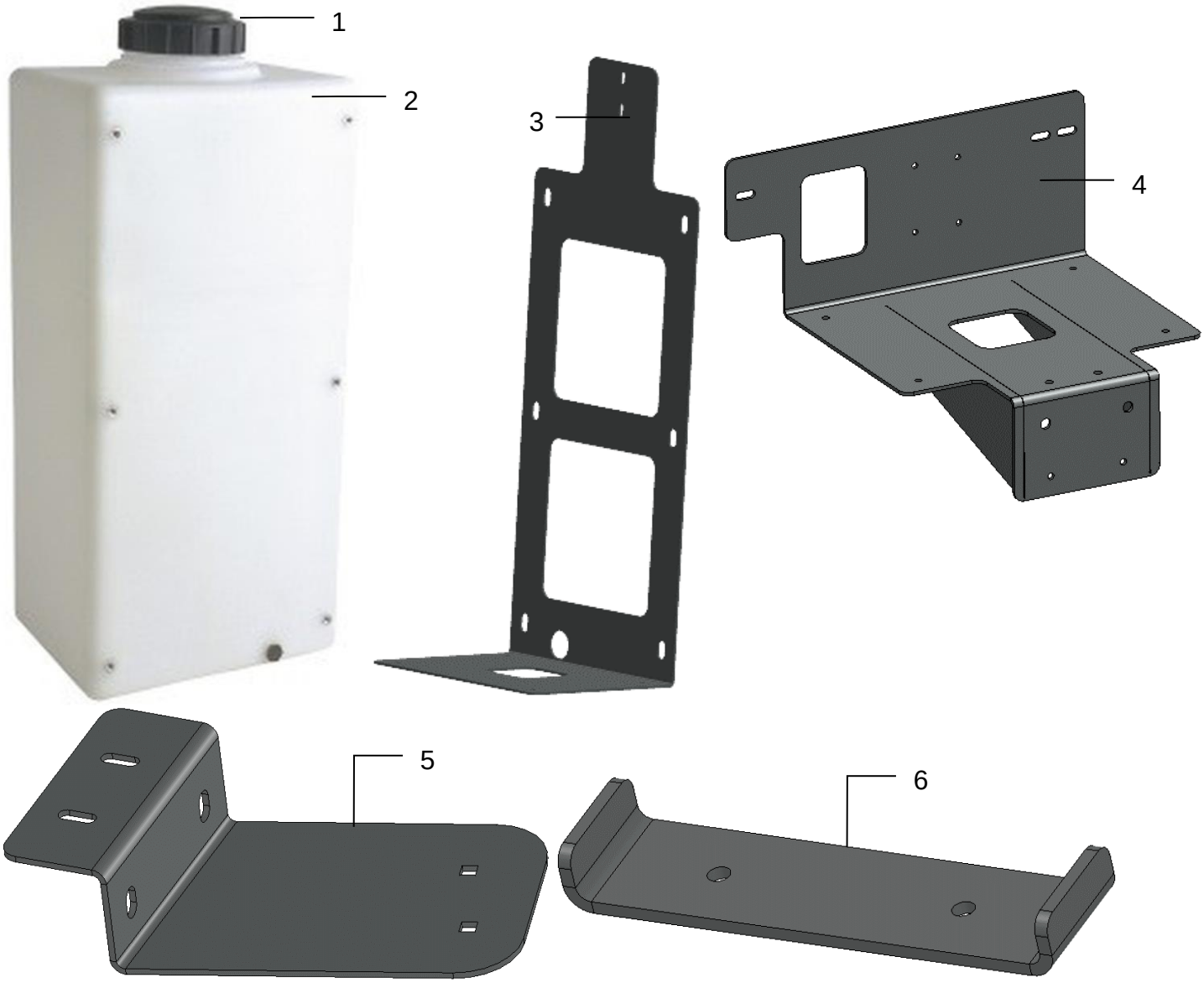
Pump Connection on 700 Controller Harness
(16 AWG Two-Wire Plug)

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

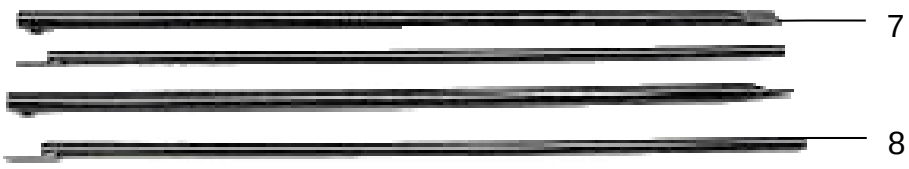


Parts Breakdown

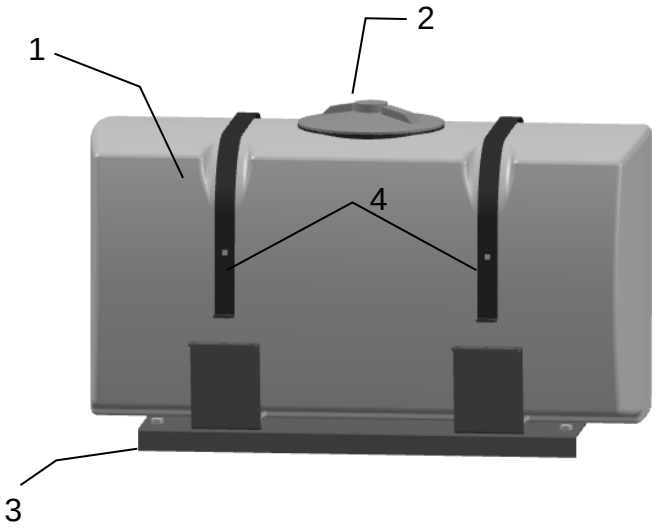
Model 731 Base Kit

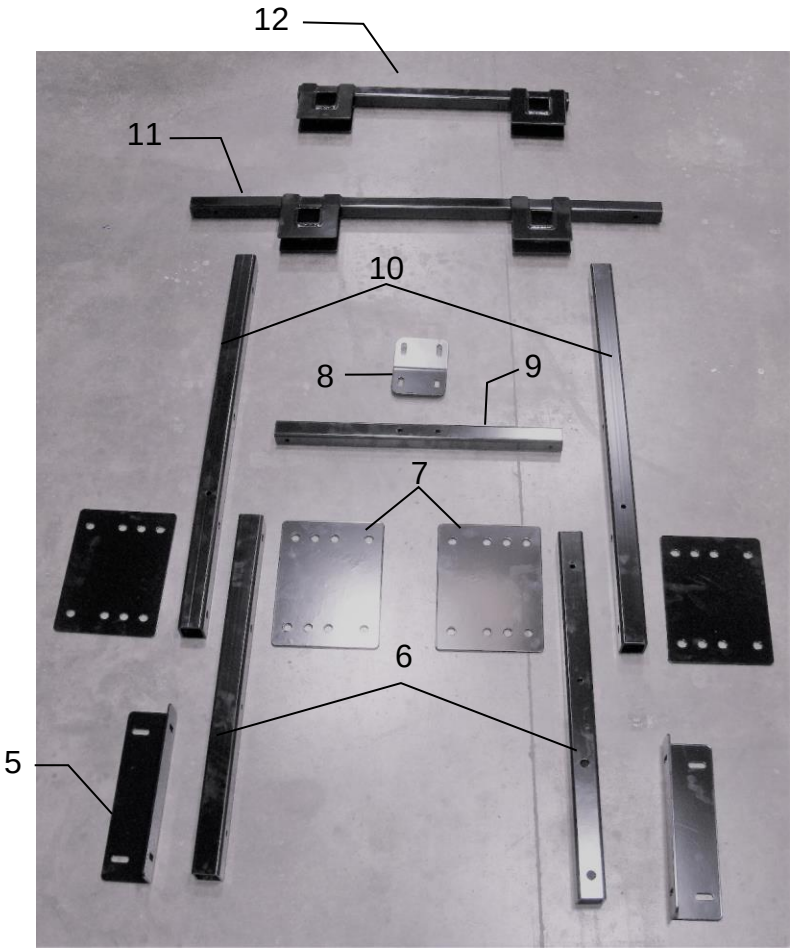


Ref	Description	Part #	Qty
1	Tank Cap	005-9022C	1
2	20 Gallon Tank	005-4705T	1
3	20 Gal Tank Bracket	001-4705A	1
4	20 Gal Tank Frame	001-4705B	1
5	20 Gal Platform Bracket	001-4705C	1
6	20 Gal Platform Standoff	001-4705D	1
7	Outside Reach Rod	001-4404	2
8	Inside Reach Rod	001-4405	2
NP	3/4" Tank Fitting	005-9100	2
NP	3/4" Street Fitting	003-SE34	1
NP	3/4" x 3/4" Elbow	003-EL3434	1
NP	Cap Gasket (included)	005-9022CG	1
NP	U-Bolt - Small	001-4714UBS	1
	Complete Kit	030-0431-TK	



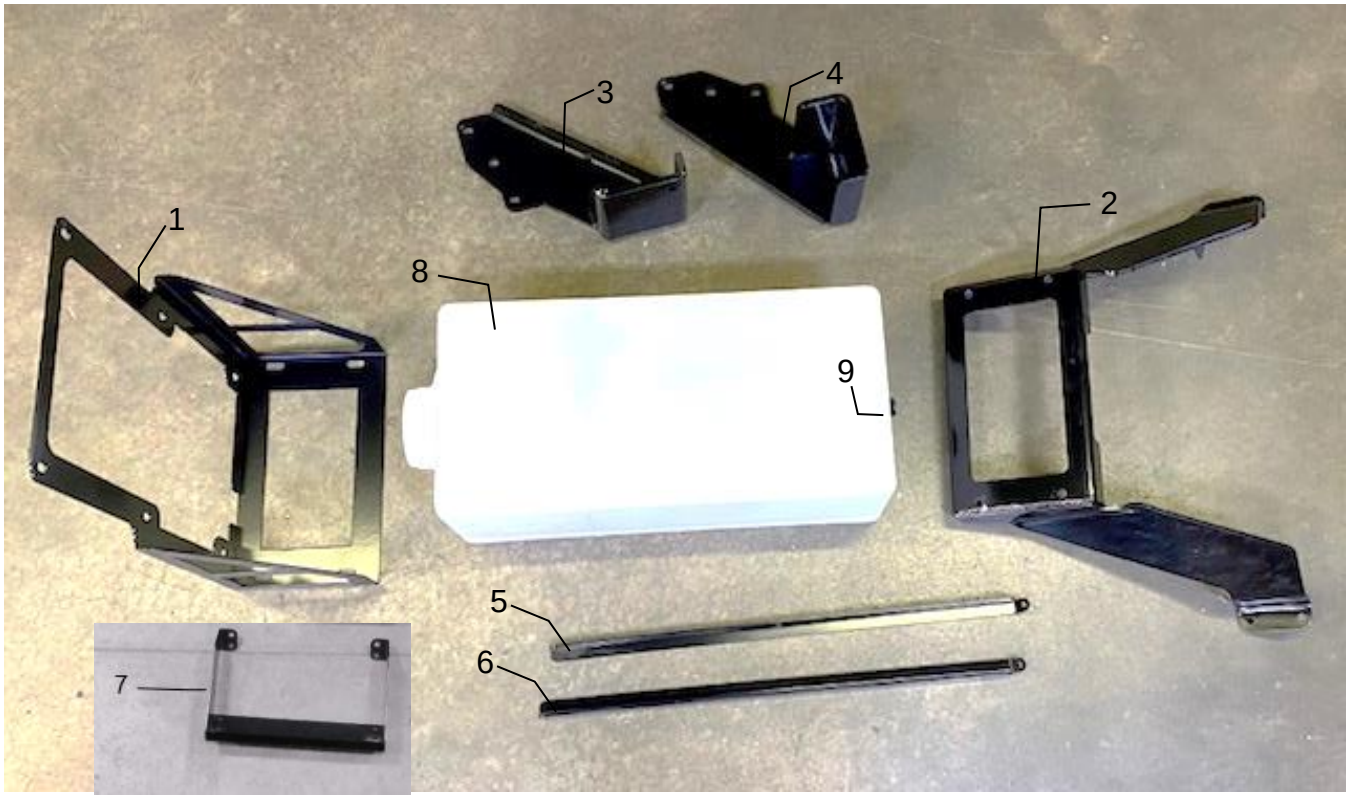
Model 735Z Base Kit





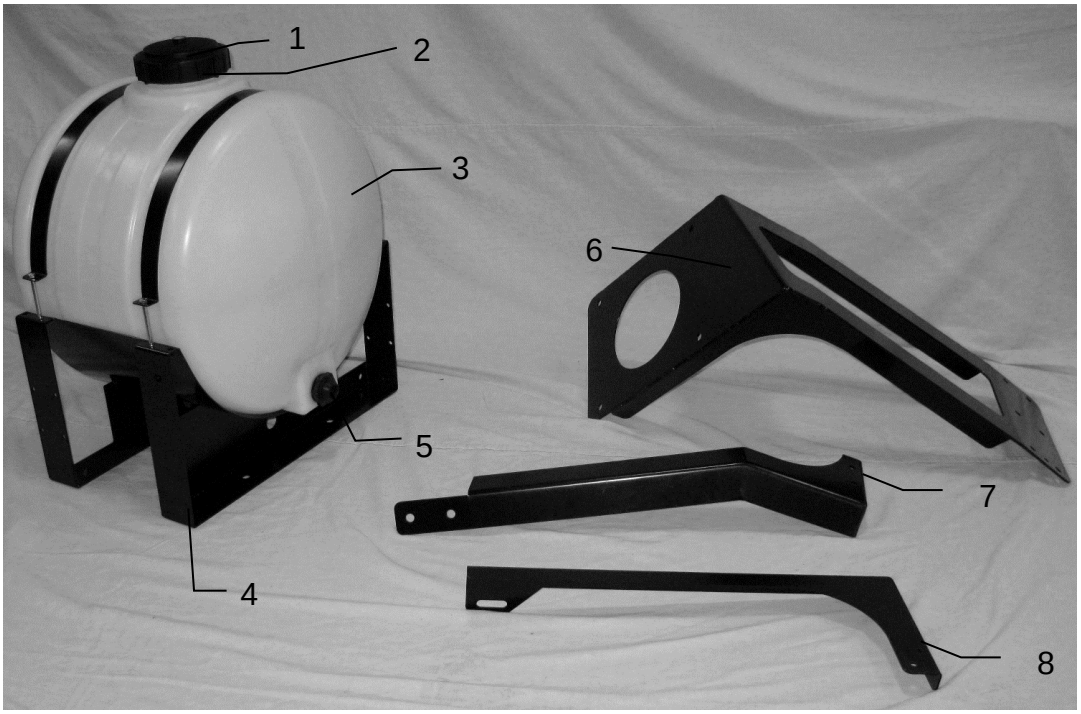
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	50 Gallon Tank	005-9203SQ	1	7	Side Rail Plate	001-4703ZR-E	4
2	Tank Cap, Gasket, & Breather	P05-9022HBG	1	8	Front Mount Support	001-4703ZR-D2	1
3	Tank Saddle	001-4703X	1	9	Front Mount Crossmember	001-4703ZR-D1	1
4	Tank Strap	001-4402	2	10	Long Side Rail	001-4703ZR-C	2
5	Tank Saddle Support	001-4703ZE-G	2	11	Mid Mount	001-4703ZR-B	1
6	Short Side Rail	001-4703ZR-F	2	12	Rear Mount	001-4703ZR-A	1
				NP	Hex Plug	003-F34	1
					Complete Kit	030-0445Z-TK	

Model 736K Base Kit



Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Tank Bracket	001-4704KA	1	8	20 Gallon Tank	005-4705T	1
2	U-Bracket	001-4704KB	1	9	Tank Fitting	005-9100	2
3	Mounting Bracket LH	001-4704KC	1	NP	Tank Cap	005-9022C	1
4	Mounting Bracket RH	001-4704KD	1	NP	Elbow	003-EL3434	1
5	Support Bracket LH	001-4704KH	1	NP	Street Elbow	003-SE34	1
6	Support Bracket RH	001-4704KI					
7	Toolbox Bracket	001-4704KJ					
					Complete Kit	030-0436K-TK	

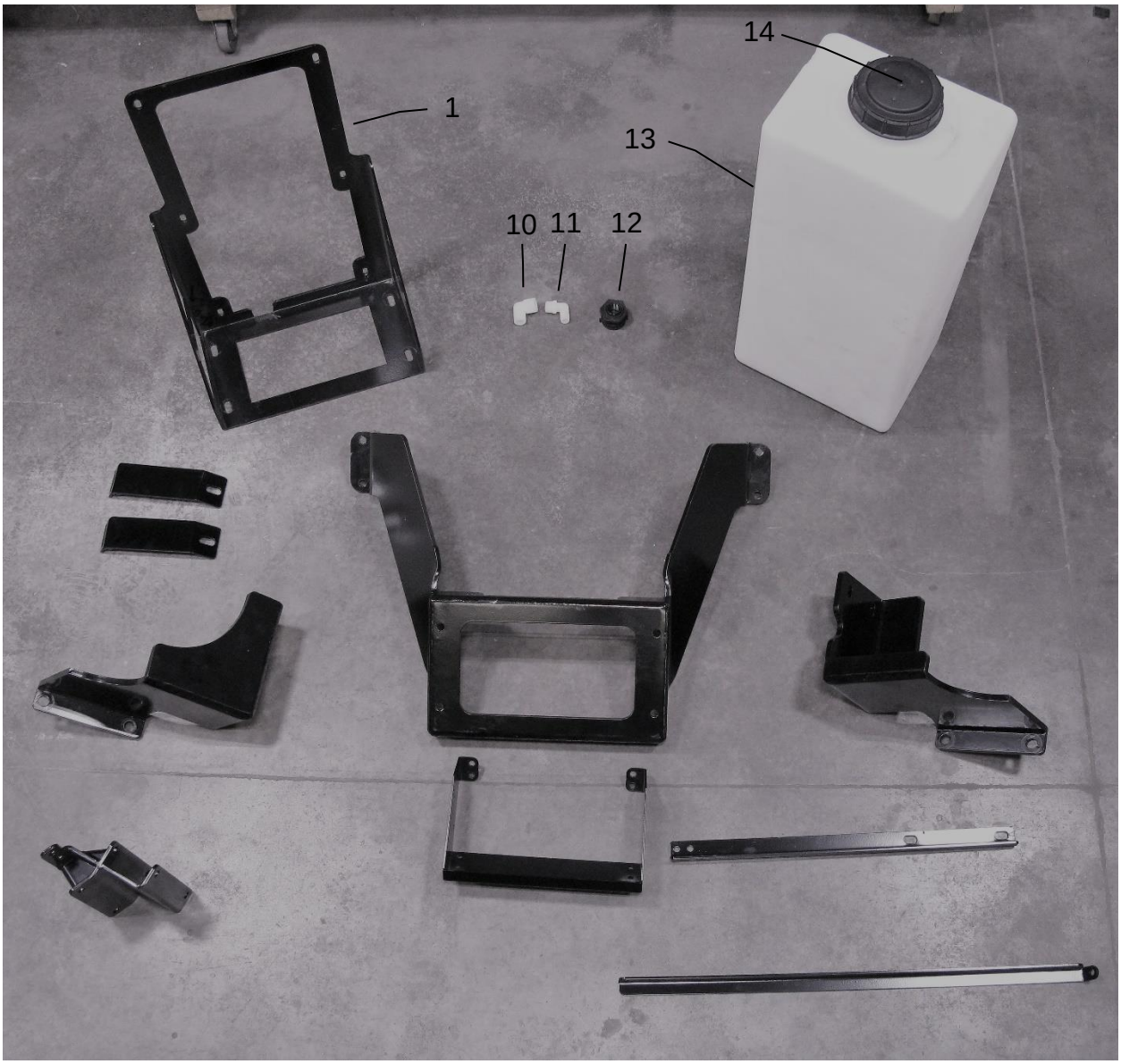
Model 737 Base Kit



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

Model 738K Base Kit

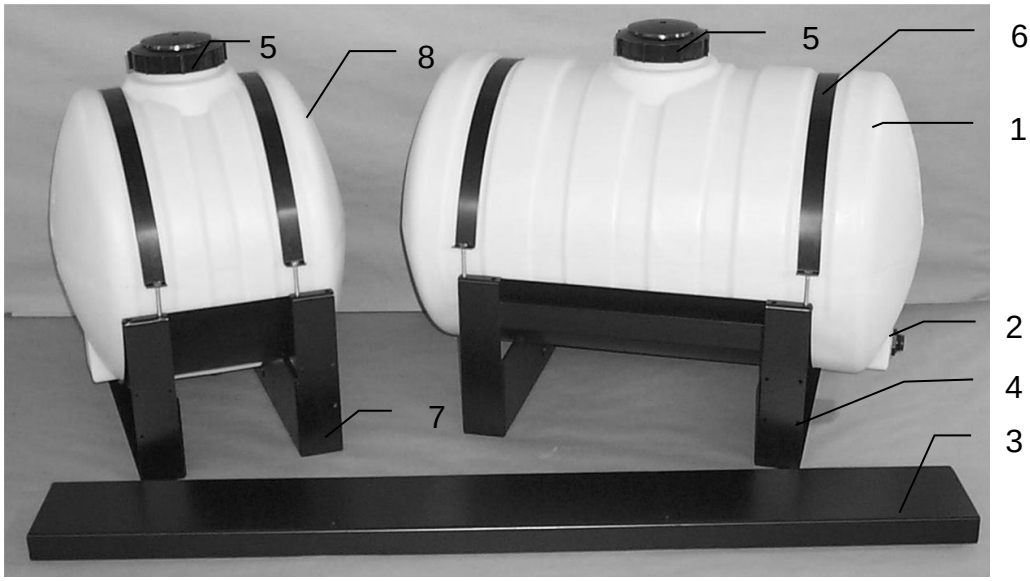
47



Kit

Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Tank Bracket (V2)	001-4704KA	1	10	Elbow	003-EL3434	1
2	U-Bracket (V2)	001-4704KB	1	11	Street Elbow	003-SE34	1
3	Frame Mount Stiffener Bracket (V1)	001-4704KS	2	12	Tank Fitting	005-9100	2
4	Mounting Bracket LH (V2)	001-4704KE	1	13	20 Gallon Tank	005-4705T	1
5	Mounting Bracket RH (V2)	001-4704KF	1	14	Tank Cap	005-9022C	1
6	Jack Bracket Assembly (V1)	001-4704KM	1				
7	Toolbox Bracket (V2)	001-4704KJ	1				
8	Support Bracket (V1)	001-4704KG	1				
9	Tank Mount Stiffener Bracket (V1)	001-4704KR	1		Complete Kit	030-0438K-TK	

Model 74725 & 55 Base Kit



Ref	Description	Part #	Qty
1	55 Gallon tank	005-9203	1
2	Tank fitting	005-9100	1
3	Cross support bracket	001-4445B	1
4	55 Gallon saddle	001-4445A	1

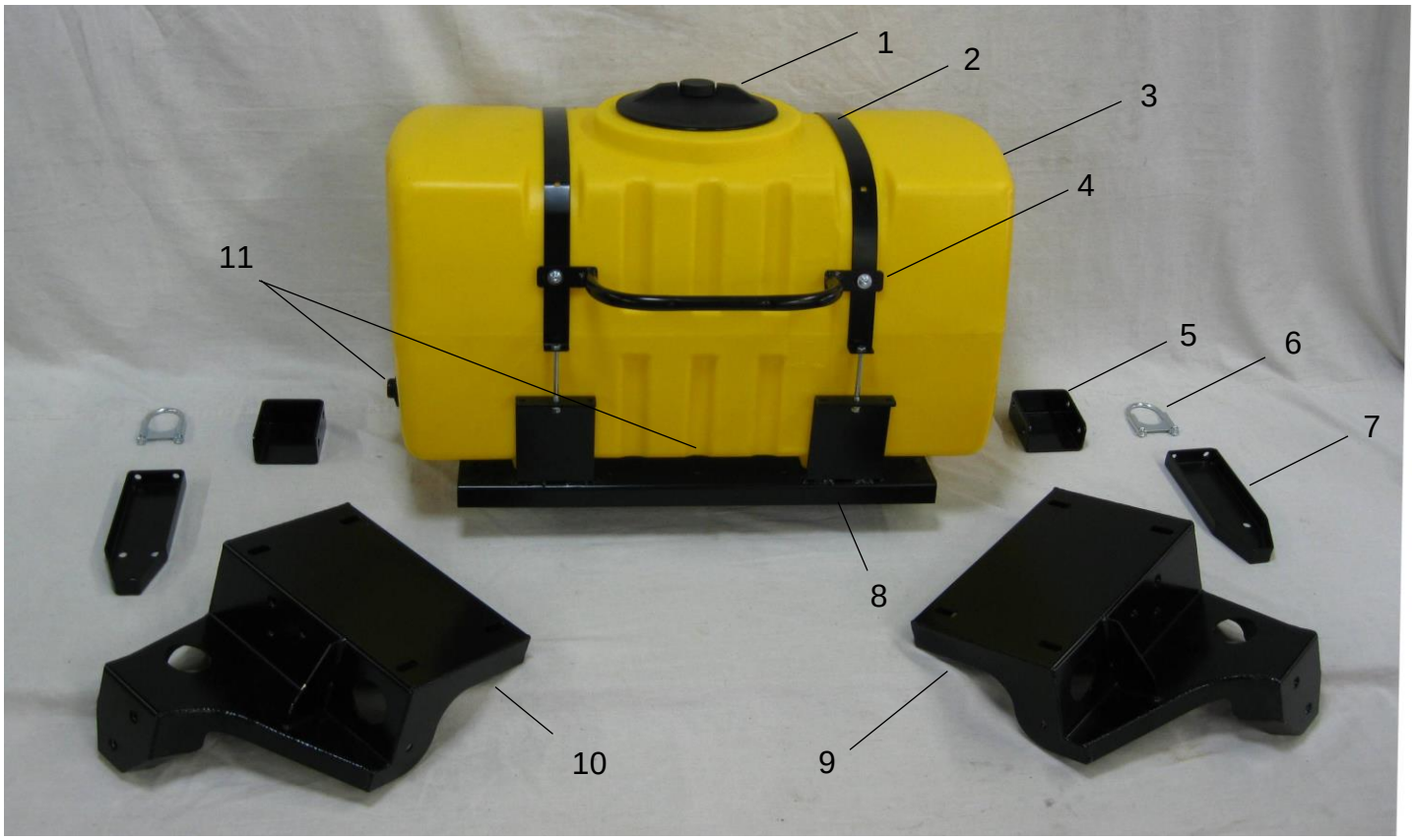
Ref	Description	Part #	Qty
5	Tank lid	005-9022C	1
	Tank lid gasket	005-9022CG	1
6	Tank strap	001-4402	1
7	25 Gallon saddle	001-4442	1
8	25 Gallon tank	005-9022	1

25 Gal Tank Saddle Kit	030-044225-TK (5-8)
55 Gal Tank Saddle Kit	030-044255-TK (1-6)

Model 747P Base Kit

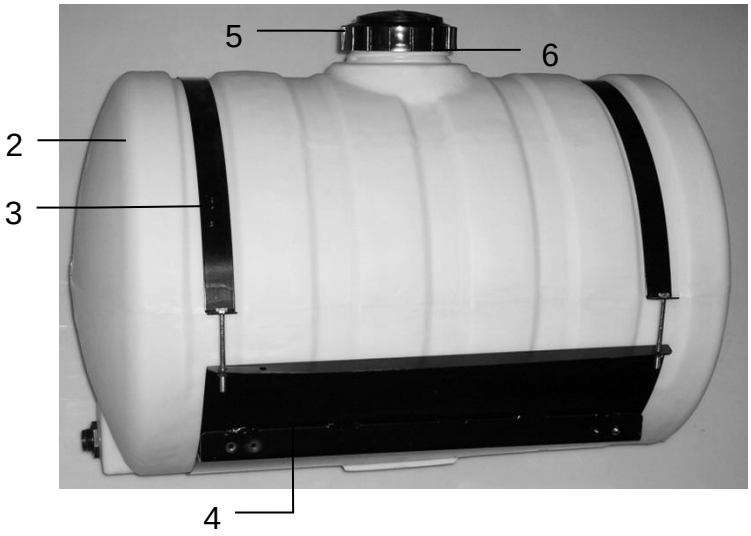
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	50 Gallon tank	030-9203SQ	1	7	Tank Support	001-4703XPG	1
2	Tank Strap	001-4402	2	8	Leg Shim	001-4703XS	2
3	Hand Rail	001-6707HRS	1	9	Beacon Bracket	001-4703XBM	1
4	Saddle	001-4703X	1	10	Tank Cap and Gasket	005-9022H	1
5	Left Tank Leg	001-4703XPL	1				
6	Right Tank Leg	001-4703XPR	1		Tank Kit Assembly	030-0447P-TK (1-10)	

Model 747C Base Kit



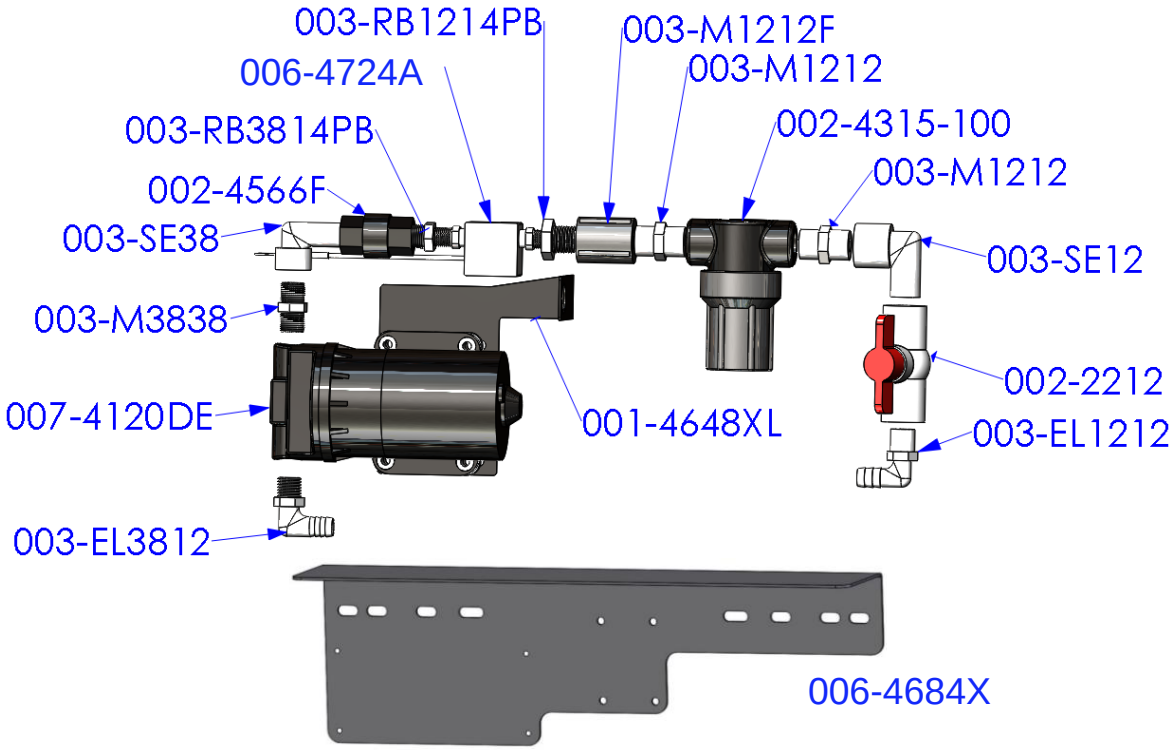
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	55 Gallon tank lid	005-9022H	1	7	Anchor Bracket	001-4703XA	2
2	Strap	001-4402	2	8	Saddle	001-4703X	1
3	Tank	005-9203SQ	1	9	Left Leg	001-4703XL	1
4	Handle	001-6707HRS	1	10	Right Leg	001-4703XR	1
5	Anchor Bracket Ext	001-4703XAX	2	11	Tank fitting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

Model 749 Base Kit



Ref#	Description	Part #	Qty
1	Tank	005-9203	1
2	Straps	001-4402	2
3	Tank Fitting	005-9100	2
4	Saddle	001-4703	1
5	Tank Cap	005-9022C	1
6	Tank Gasket	005-9022CG	1
Tank Saddle Kit		030-0448-TK (1-6)	

Parts Breakdown for Pump Assembly -Round Balers



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.

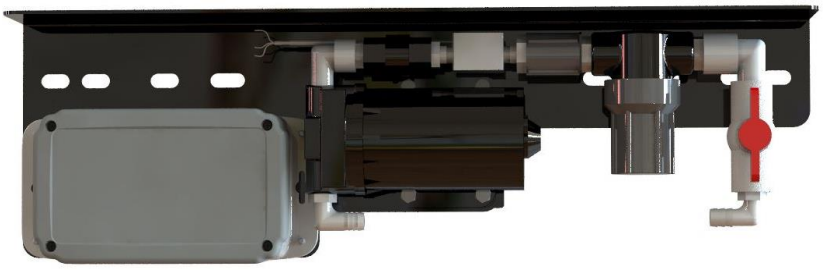
Filter Bowl Replacement Parts

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

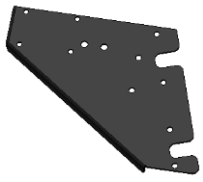
Pump Replacement Parts

007-4582	Full Pump Rebuild Kit- 4120DE
007-4121L	Replacement Center Section only
007-4212G	Replacement Top Section only

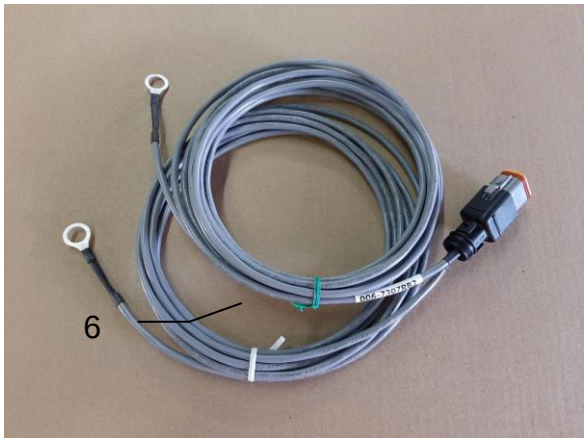
Completed Assembly – PMP-7636P

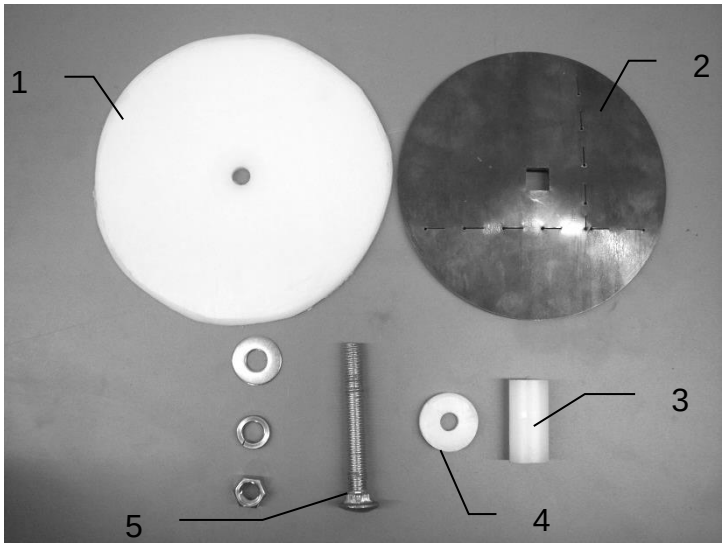


Additional Brackets - 747P Only
Pump Plate Support 001-4703XJ
Rear Bracket 001-4703XK
U-Bolt Clamp 001-4703XU



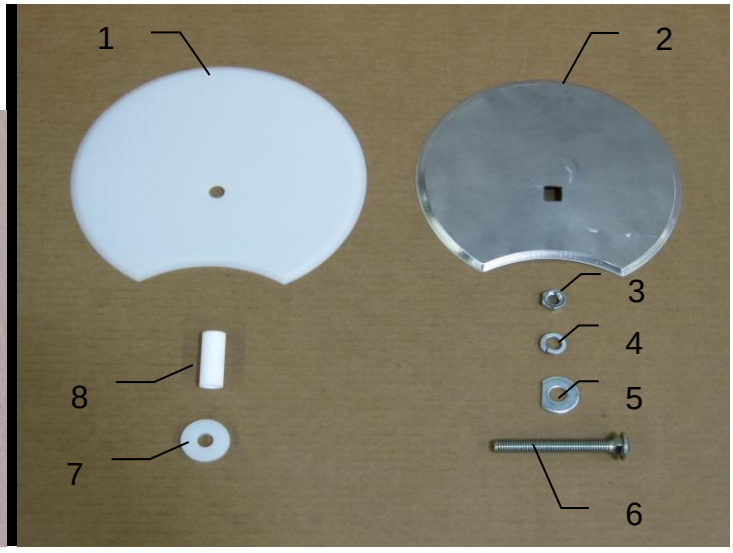
Moisture Sensor and Hoses Parts Breakdown





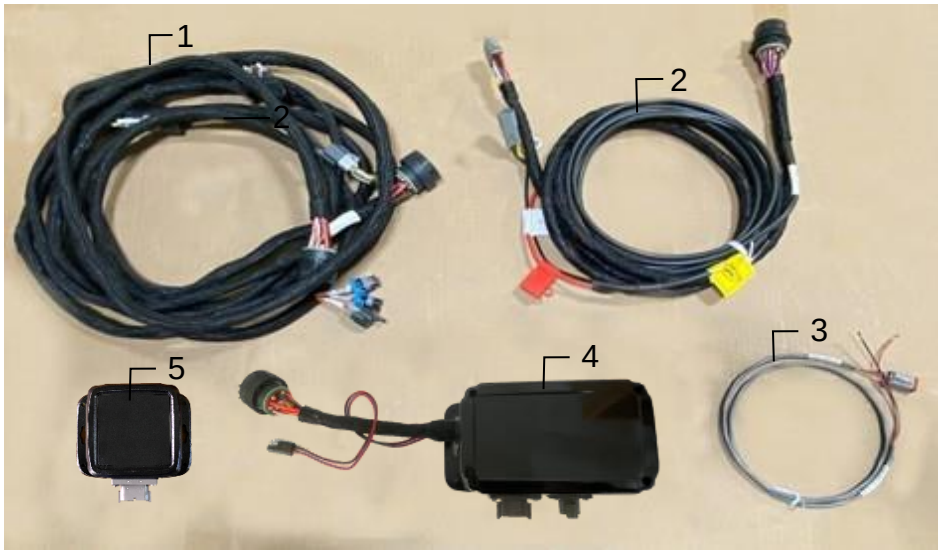
Ref	Description	Part #	Qty
1	Plastic Pad	006-4641F	2
2	Moisture Disc	006-4641H	2
3	Plastic Bushing	006-4641G	2
4	Plastic Isolator	006-4641I	2
5	1/2X4 1/2” Carriage Bolt	Hardware	2
6	Moisture Cable- (both 15’)	006-7307RB1	1
	Moisture Pad Assembly (Ref 1-5)	030-4643	2
	Complete Assembly (Ref 1-6)	MSH-7RB-A	

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



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

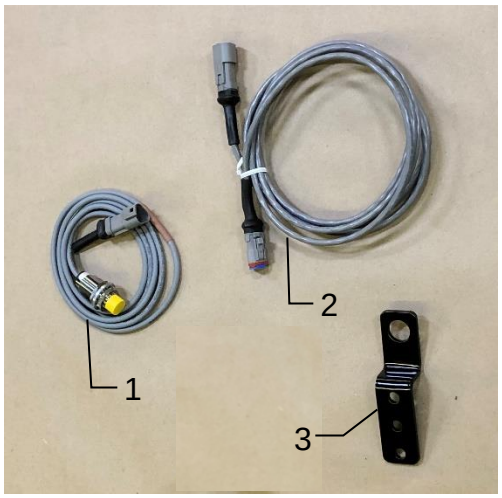
Control Box and Wiring Harnesses



Ref	Description	Part#	Qty	Ref	Description	Part#	Qty
1	Power Lead Baler 20’	006-762B	1	NP	120 Ohn Resistor	006-700R*	1
2	Power Lead Tractor	006-765IC	1	NP	Dust Plug Kit	006-765DP	1
3	Key Switch Wire	006-765CPH	1	NP	Lightning to USB-A Cable	006-6672USBC	1
4	ISO Pump Module	006-7671RB	1	NP	Optional USB-C to USB-A Communication Cable	006-6672USBX	1
5	ISO Communication Module	006-6673	1				

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

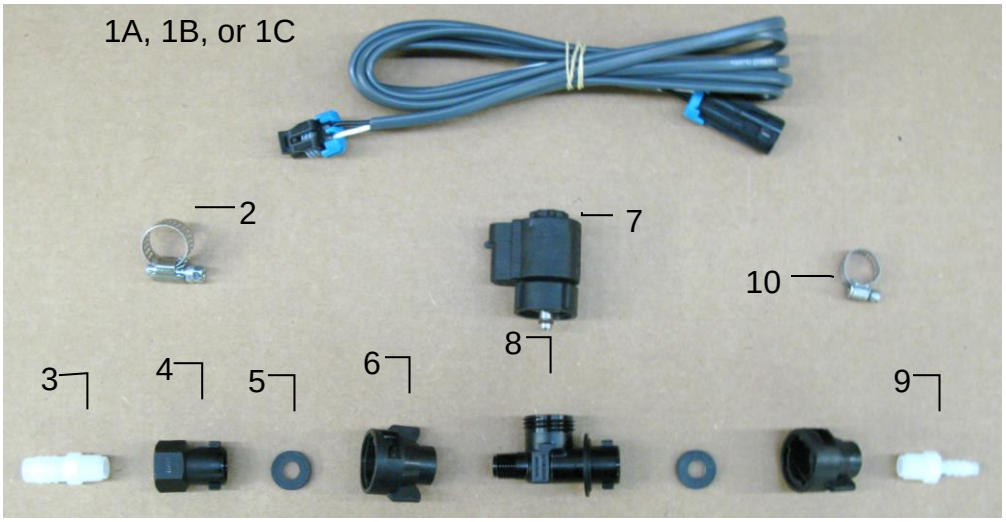
End of Bale Sensor



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

Complete Assembly EOB-7RB-A

700 Pulsing Solenoid- Round Balers



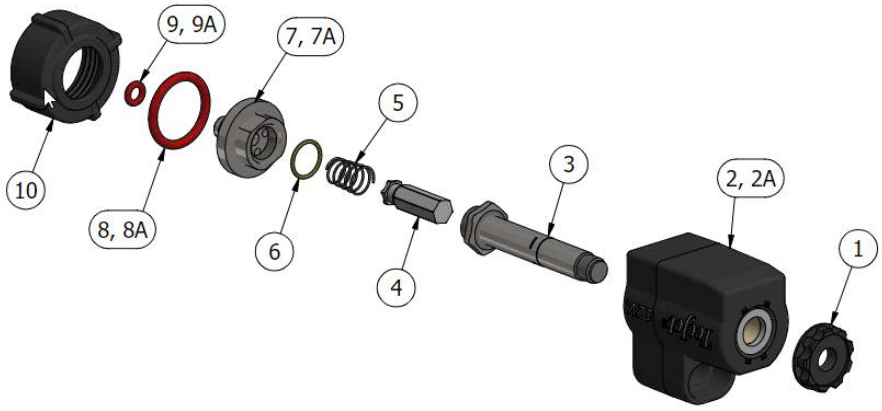
Solenoid Packages

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
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

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

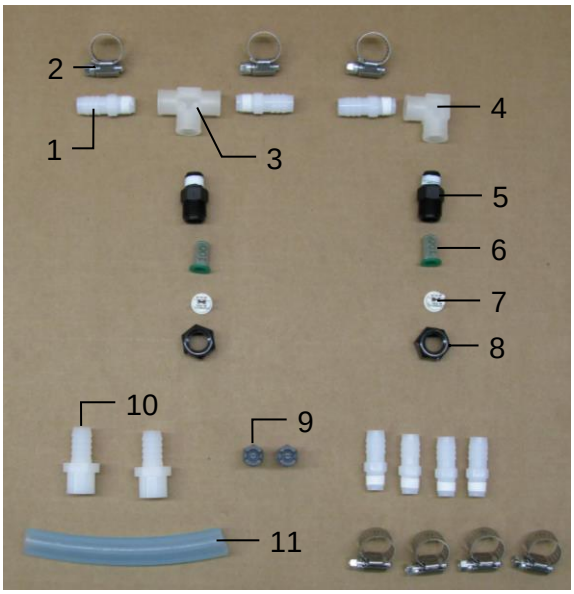
Expanded View of Pulsing Solenoid (002-2203F)

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.

Optional High Output Kit (700RBHTK)

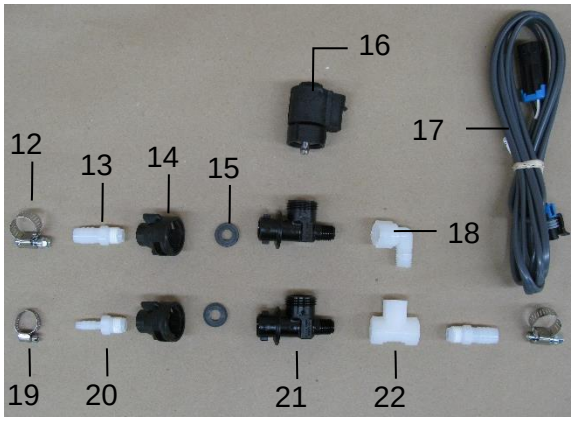


Ref	Description	Part #	Qty
1	1/4" x 1/2" Straight Fitting	003-A1412	7
2	#6 Hose Clamp	003-9003	7
3	1/4” Tee	003-TT14SQ	1
4	1/4" Sq Elbow	003-SE14F	1
5	Nozzle Body	004-4722	2
6	Tip Screens	004-1203-100	2
7	Tip – White*	004-XR11008VS	2
8	Nozzle Body Cap	004-4723	2
9	Tip – 1/4 NPT Gray*	004-T8008-PT	2
10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

* Tip color subject to change

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

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



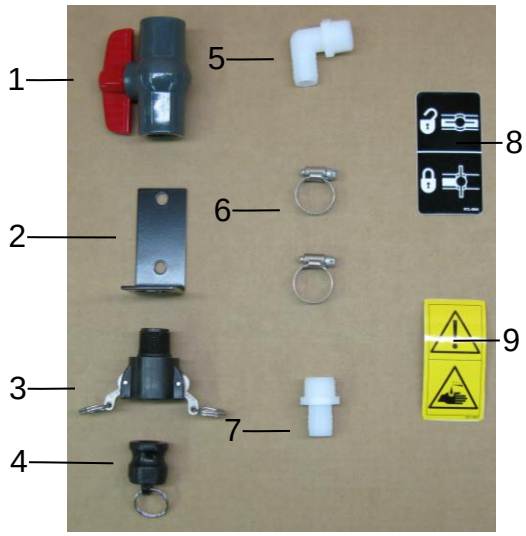
Ref	Description	Part #	Qty
12	#6 Hose Clamp	003-9003	2
13	1/4" x 1/2" Straight Fitting	003-A1412	2
14	Female Quick Coupler	004-1207H	2
15	Rubber Washer	004-1207W	1
16	Solenoid	002-2203F	1
17	Solenoid Harness (10’)	006-3650-S2	1
18	1/4" Street Elbow	003-SE14	1
19	Mini Hose Clamp	003-9002	1
20	1/4" x 1/4"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

Hoses

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

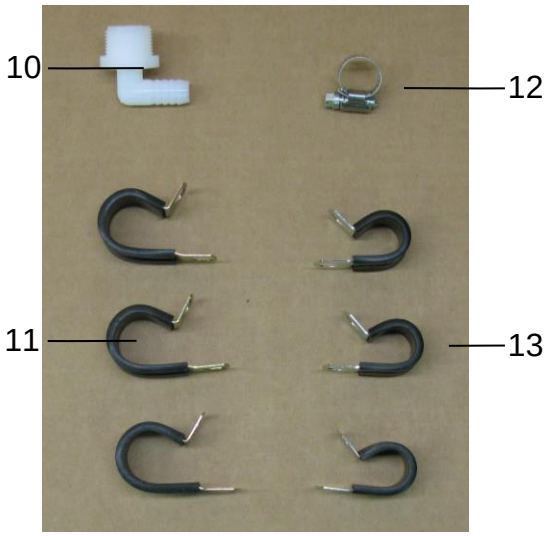
Parts Bag Packages

PBA-1



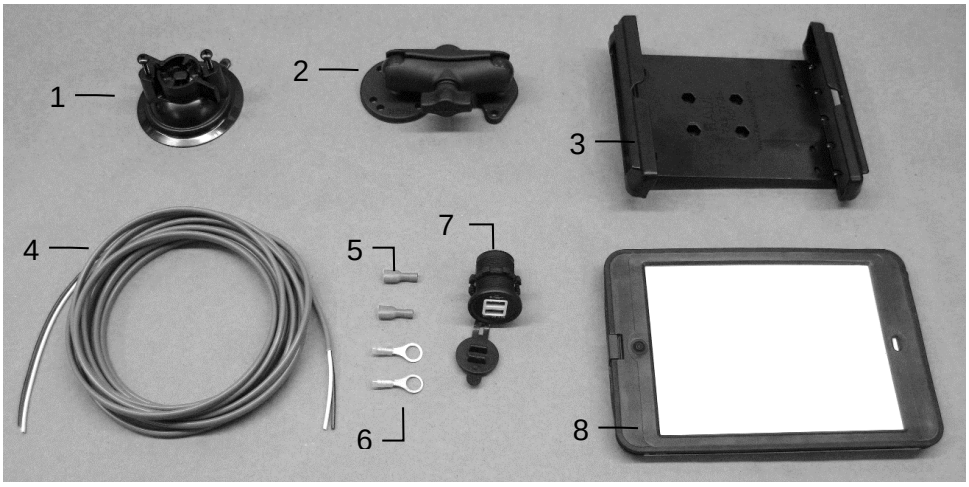
Ref	Description	Part #	Qty
1	3/4" Ball Valve	002-2200	1
2	Valve Holder	001-6702H	1
3	Female Coupler	002-2204A	1
4	Male Shut-Off Plug	002-2205G	1
5	3/4” x 3/4" Elbow	003-EL3434	1
6	#10 Hose Clamp	003-9004	2
7	3/4" x 3/4" Straight Fitting	003-A3434	1
8	Valve Decal	DCL-8004	1
9	Chemical Hazard Decal	DCL-8001	1
	Complete Drain Fill Kit (Includes 10’ of 3/4" Hose Not Pictured)	030-0493DFK	

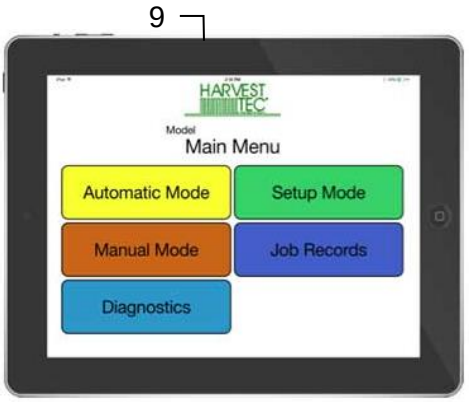
PBP-16



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

Optional iPad Display Kit (030-4670DK)





Ref	Description	Part #	Qty
1	Suction cup mount	001-2012SCM	1
2	Ram mount	001-2012H	1
3	iPad Mini spring load cradle (Mini 4)	001-2012SLC	1
4	Power Harness	006-4723P	1
5	Female spade connector	Hardware	2
6	Eye loop connector	Hardware	2
7	iPad Mini Charger 12V	001-2012P	1
8	iPad Mini 4 case	001-2012C4	1
9	iPad Mini 4	006-4670IP	1
NP	4 amp fuse	Hardware	1

Complete iPad Display Kit	030-4670DK (Includes All Parts)
Mounting Kit Only	030-2014MK (Parts 1-8)

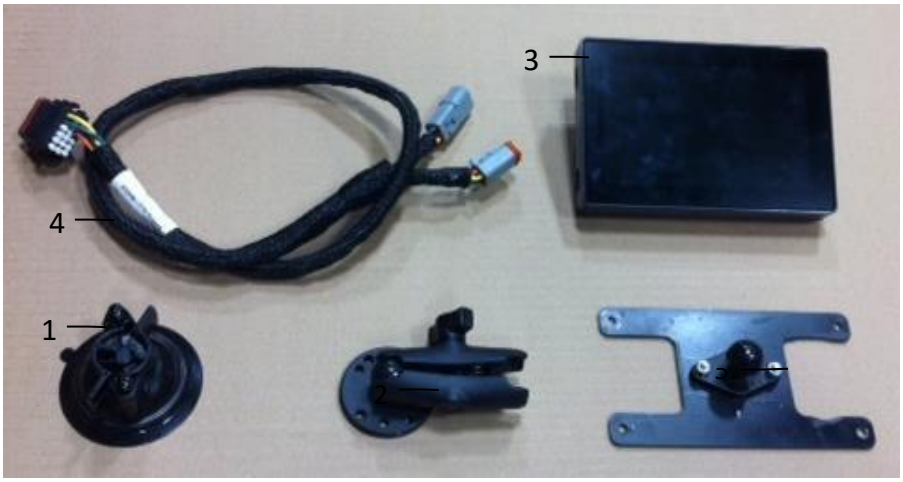
Installation Instructions

1. Identify 12V power source for wires to connect.
2. Eye loops included if wiring directly to the battery is desired.
3. Test for key power source if preferred to have power to the USB shut off with the key.
4. Once power source is identified, cut wires to desired length.
5. Crimp the two supplied quick connectors onto the white and black wire.
6. Remove the round locking plastic nut from USB plug before connecting the wires. Black (+) White (-).
7. The wires will then be hooked to the designated terminals on the bottom of the USB plug
8. Drill a 1 1/8” hole in the preferred mounting location. Be sure to clean any sharp edges after drilling.
9. Feed the wires through the mounting hole.
10. If using the round plastic nut to secure plug in place, slide the nut back over the wiring before connecting the wires to powered source.
11. Connect the wires to the identified power source if easier to do so before tightening the plug into place.
12. Tighten plug using either the round plastic nut or mounting plate and two screws, both options supplied.
13. Once connected, hook a USB charging cord into the plug and connect a mobile device/tablet to ensure the plug is operating as you wish (key power working properly if necessary).

NOTE: This plug is not designed to charge two iPads. System damage could occur if this is attempted. System will charge a mobile phone and iPad simultaneously without problem.

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

Optional Harvest Tec Display Kit (030-7670DK)



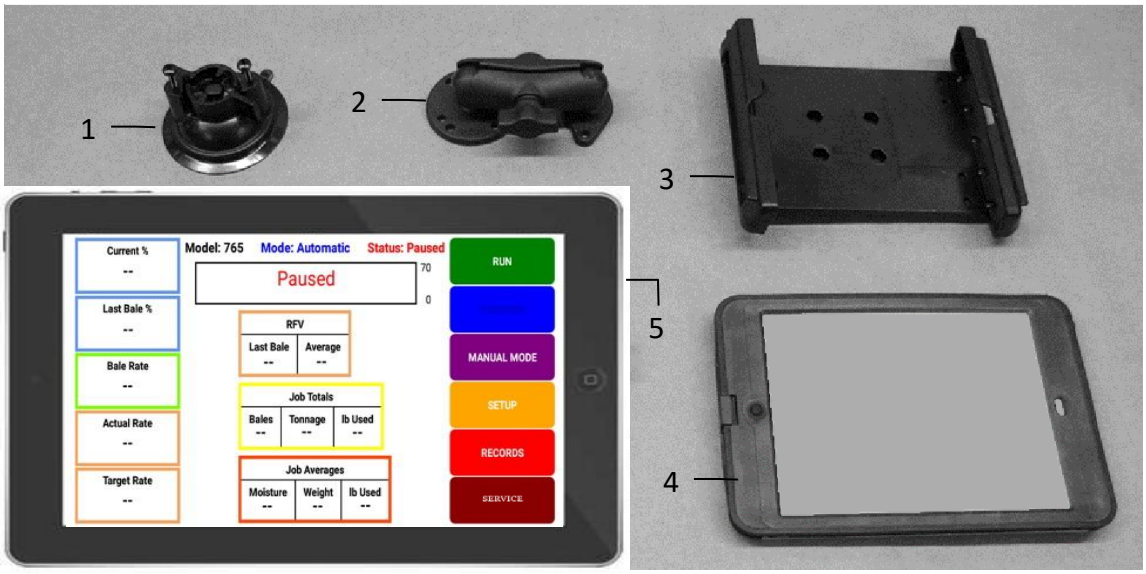
Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	Harvest Tec Display	006-765GVT	1
4	Display Harness	006-765GH	1
5	Mounting Plate	001-700GH	1
NP	700 Series Resistor for 765B2	006-700R	1

Installation Instructions

1. Identify 006-765GH harness connection to 006-765IC tractor harness at the key power wire connection.
2. Connect harness to the Harvest Tec Display before tightening into place.
3. Tighten the mounting and display. Streamline harness, as necessary.
4. Resistor 006-700R must be installed on only one of the CAN/IDM ports on the main baler harness.
5. Once connected, power cycle system and ensure display is working properly.

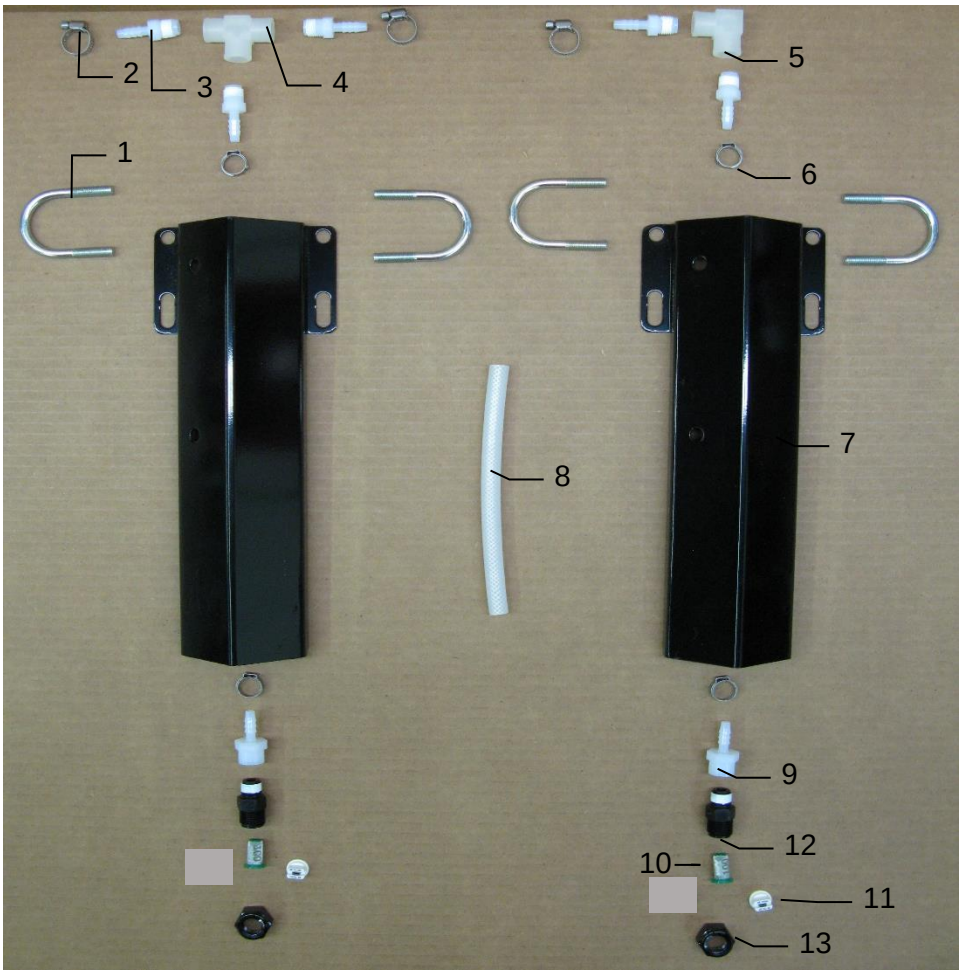
NOTE: CANNOT OPERATE WITH BOTH HARVEST TEC DISPLAY AND BALER VT CONNECTED AT THE SAME TIME.

Optional Android Display Kit (030-1670DK)



Ref	Description	Part #	Qty
1	Suction Cup Mount	001-2012SCM	1
2	Ram Mount	001-2012H	1
3	iPad Mini® Spring Load Cradle (Mini 2)	001-2012SLC	1
4	Android Case	001-2012A1	1
5	Android Tablet	006-1670AT	1

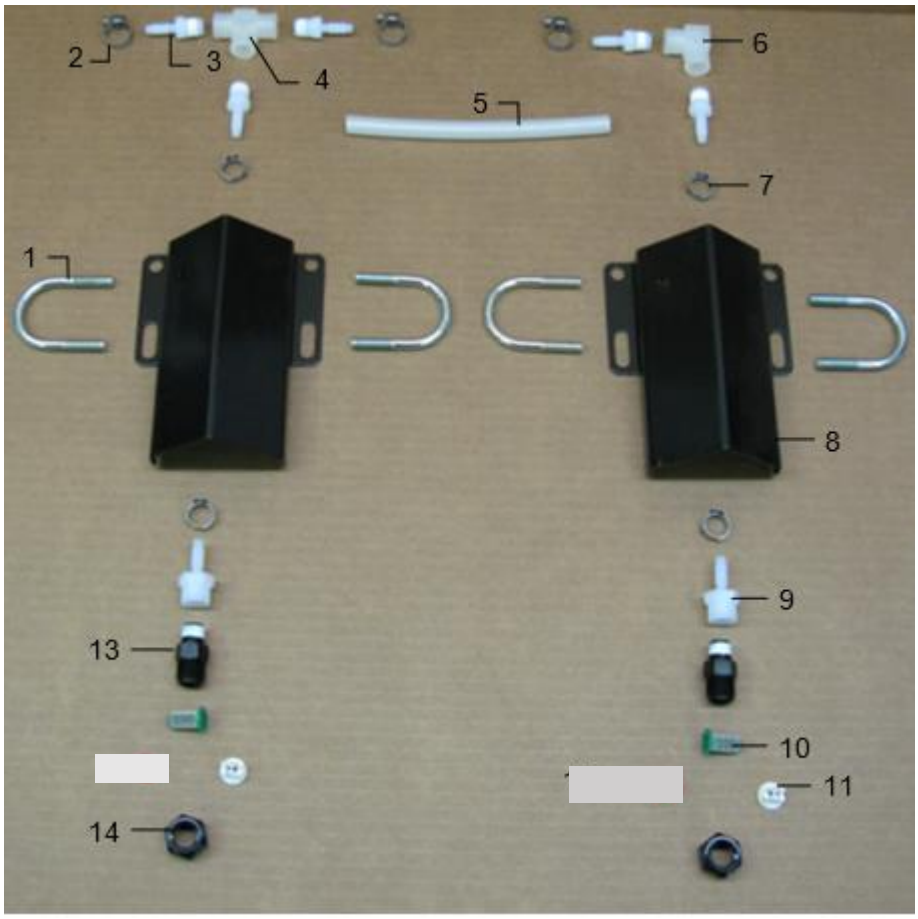
735Z Spray Shield

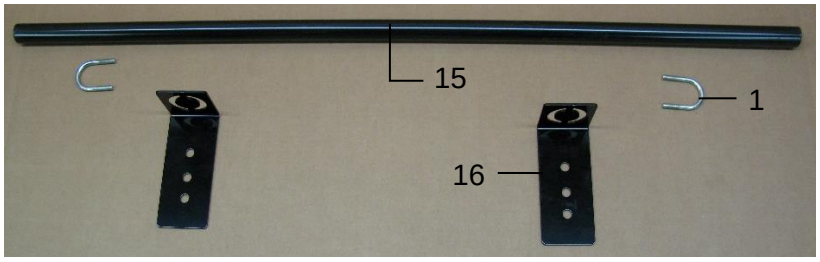


Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	10	Tip Strainer	004-1203-100	2
2	Hose clamp	003-9002	2	11	Tip* – Grey	004-XR11006VS	2
3	1/4" x 1/4" Fitting	003-A1414	5	12	Nozzle Body	004-4722	2
4	1/4" Sq Tee	003-TT14SQ	1	13	Nozzle Cap	004-4723	2
5	1/4" St Elbow	003-SE14F	1	NP	477 Jiffy Clip	008-9014	2
6	Oetiker Clamp	003-9008	4				
7	Nozzle Holder	001-4714J	2				
8	Hose	002-9016	3ft		Shield Only (Ref 1-13)	030-7714J-SO	
9	1/4" x 1/4" Fitting	003-A1414F	2				

* Tip color subject to change

736K-SO Installation Kit



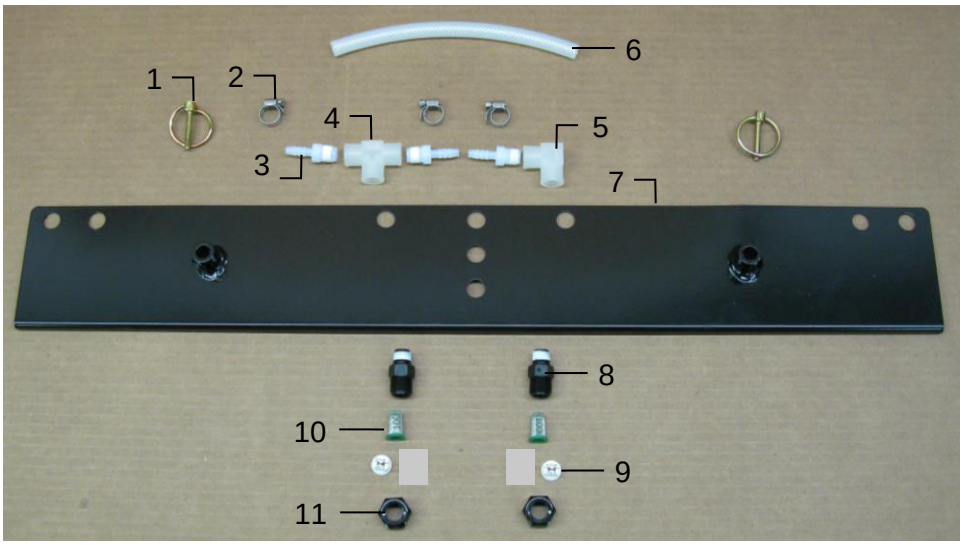


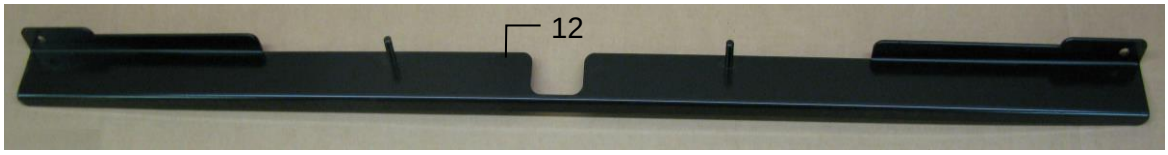
Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4
2	Hose clamp	003-9002	3
3	1/4" x 1/4" Fitting	003-A1414	5
4	1/4" Sq Tee	003-TT14SQ	1
5	Hose	002-9016	4ft
6	1/4" St Elbow	003-SE14F	1
7	Oetiker Clamp	003-9008	4
8	Nozzle Holder	001-4714JS	2
9	1/4" x 1/4" Fitting	003-A1414F	2
10	Tip Strainer	004-1203-100	2
11	Tip* – Grey	004-XR11006VS	2

Ref	Description	Part #	Qty
13	Nozzle Body	004-4722	2
14	Nozzle Cap	004-4723	2
15	Univ Nozzle Tube Holder	001-4703TH	1
16	Univ Nozzle Mount	001-4703TP	2
	Shield Only (Ref 1-14)	030-7714JS-SO	
	Shield Mounting Kit (1,15,16)	SMK-UNIV-PIPE	
	Complete Assembly	030-0736K-SO	

* Tip color subject to change

737-SO Installation Kit

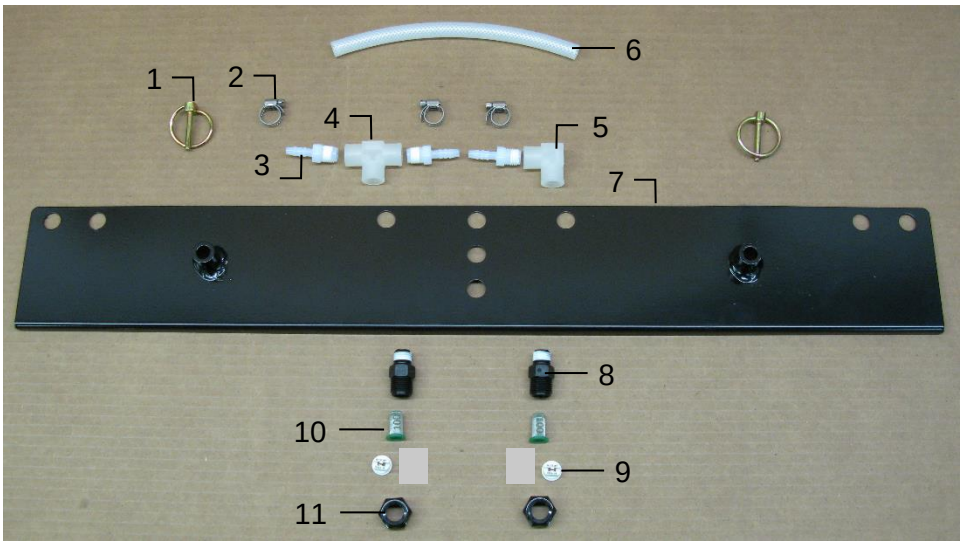


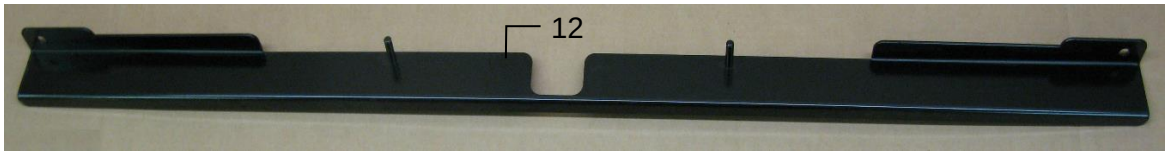


Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Lynch Pin	008-4576	2	9	Tip* – Grey	004-XR11006VS	2
2	Mini Hose Clamp	003-9002	3	10	100 Mesh Strainer	004-1203-100	2
3	1/4" x 1/4" Fitting	003-A1414	3	11	Nozzle Cap	004-4723	2
4	1/4" Tee Sq	003-TT14SQ	1	12	Spray Shield Holder	001-4704E2	1
5	1/4" Female St Elbow	003-SE14F	1				
6	1/4" Braided Hose	002-9016	2ft		* Tip color subject to change		
7	Spray Shield	001-4703GK	1				
8	Nozzle Body	004-4722	2				

Complete Assembly 030-0737-SO

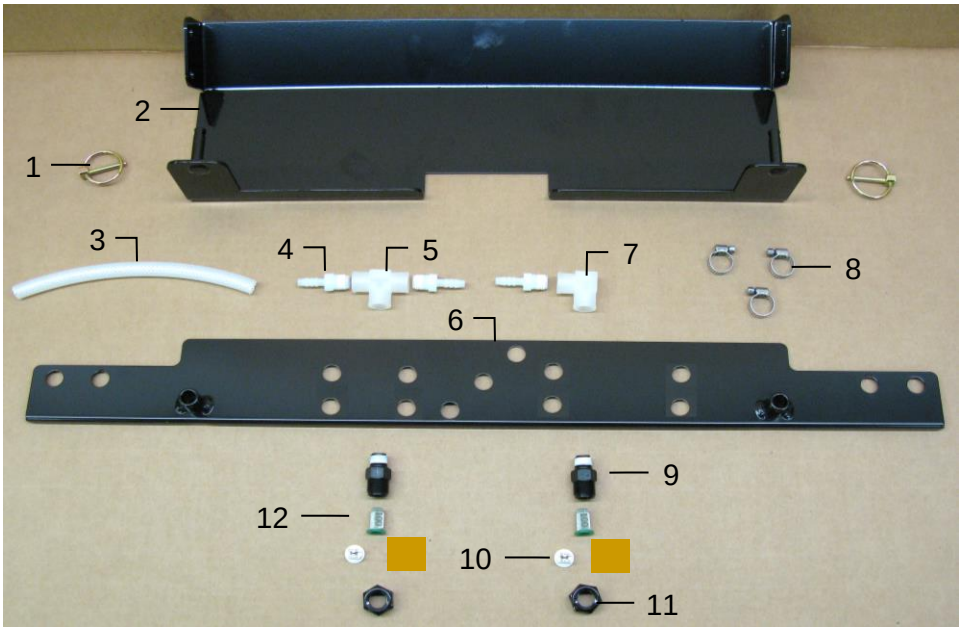
738K-SO Installation Kit





Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Lynch Pin	008-4576	2	9	Tip* – Grey	004-XR11006VS	2
2	Mini Hose Clamp	003-9002	3	10	100 Mesh Strainer	004-1203-100	2
3	1/4" x 1/4" Fitting	003-A1414	3	11	Nozzle Cap	004-4723	2
4	1/4" Tee Sq	003-TT14SQ	1	12	Spray Shield Holder	001-4704E2	1
5	1/4" Female St Elbow	003-SE14F	1				
6	1/4" Braided Hose	002-9016	2ft		* Tip color subject to change		
7	Spray Shield	001-4703GK	1				
8	Nozzle Body	004-4722	2		Complete Assembly	030-0737-SO	

74725-SO Spray Shield Assembly

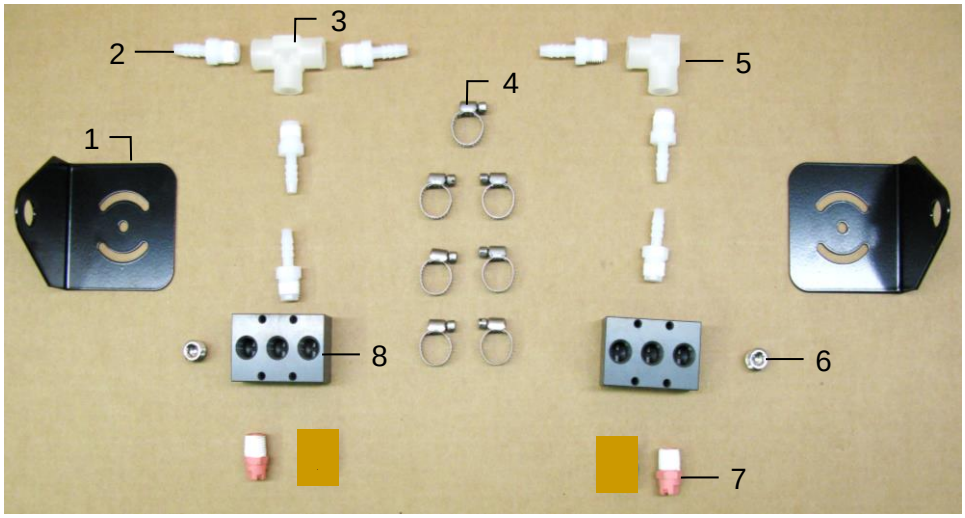


Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16” Lynch Pin	008-4576	2	8	Hose clamp	003-9002	3
2	Shield bracket	001-4810BRH	1	9	Nozzle body	004-4722	2
3	Hose	002-9016	2 ft	10	Tip* – Grey	004-XR11006VS	2
4	Straight fitting	003-A1414	3	11	Nozzle cap	004-4723	2
5	Tee	003-TT14SQ	1	12	Tip strainer	004-1203-100	2
6	Spray shield	001-4810B	1				
7	1/4” Female Elbow	003-SE14F	1				

* Tip color subject to change

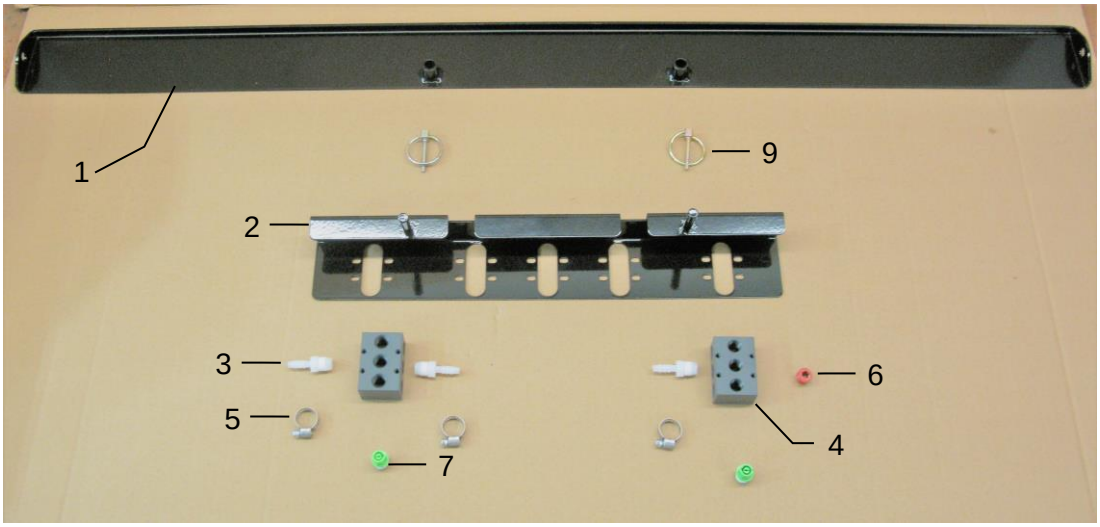
Complete Assembly 030-074725-SO

747C-SO Installation Kit



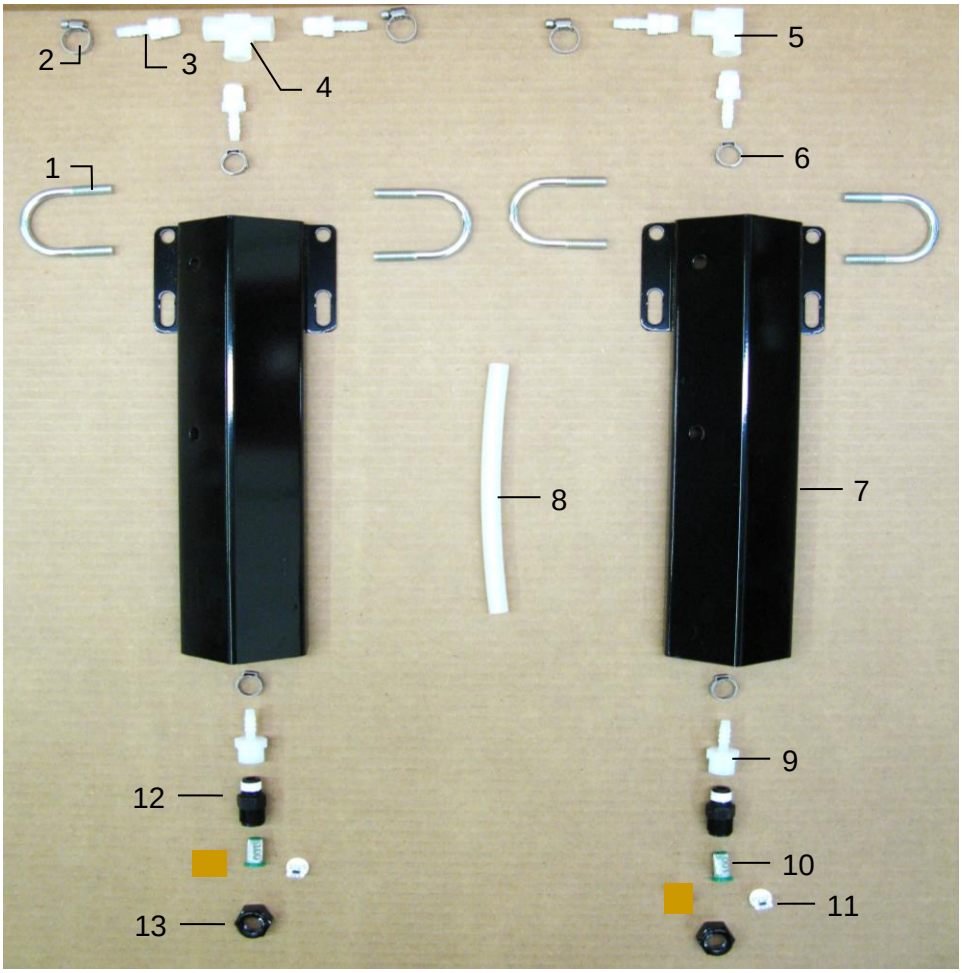
Ref	Description	Part #	Qty	Ref	Description	Part#	Qty
1	Spray Block Holder	001-4703XD	2	6	Plug Allen SS	003-F14A	2
2	1/4" x 1/4" Straight Fitting	003-A1414	5	7	Tip*	004-T86006-PT	2
3	1/4" Sq Tee	003-TT14SQ	1	8	Spray Shield Manifold	001-4435NSB	1
4	Mini Hose Clamp	003-9002	6				
5	1/4" Female Street Elbow	003-SE14F	1		* Tip color subject to change		
					Complete Assembly	030-0747C-SO	

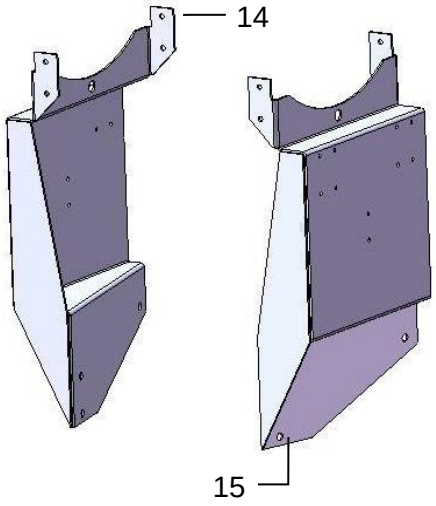
747P-SO Installation Kit



Ref	Description	Part #	Qty	Ref	Description	Part#	Qty
1	Spray Sheild Holder	001-4435NCP	1	6	Plug Allen SS	003-F14A	1
2	Spray Sheild	001-4435NSX	1	7	Tip*	004- T8006-PT	2
3	1/4" x 1/4" Straight Fitting	003-A1414	3	8	Pin Lynch 3/16	008-4576	2
4	Spray Shield Manifold	001-4435NSB	2				
5	Mini Hose Clamp	003-9002	3		* Tip color subject to change		
					Complete Assembly	030-0747P-SO	

4505X Installation Kit





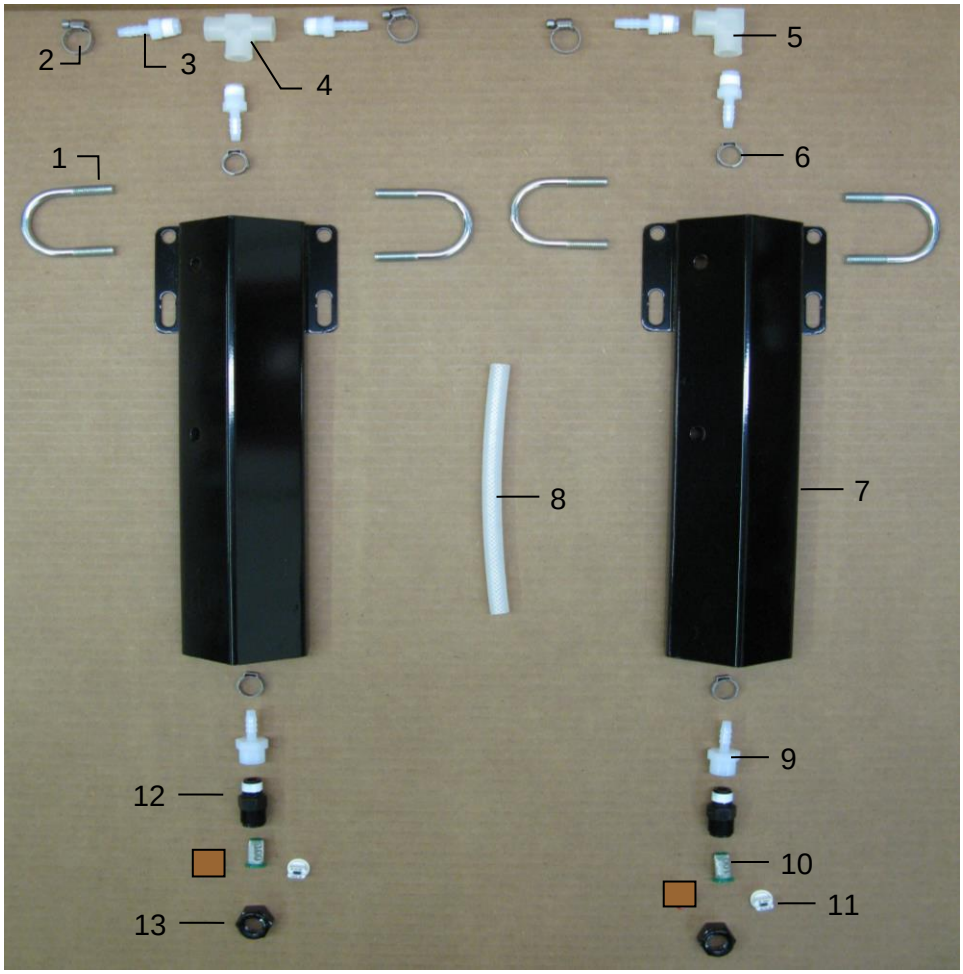
Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4
2	Hose clamp	003-9002	2
3	1/4" x 1/4" Fitting	003-A1414	5
4	1/4" Sq Tee	003-TT14SQ	1
5	1/4" St Elbow	003-SE14F	1
6	Oetiker Clamp	003-9008	4
7	Nozzle Holder	001-4714J	2
8	Hose	002-9016	3ft
9	1/4" x 1/4" Fitting	003-A1414F	2

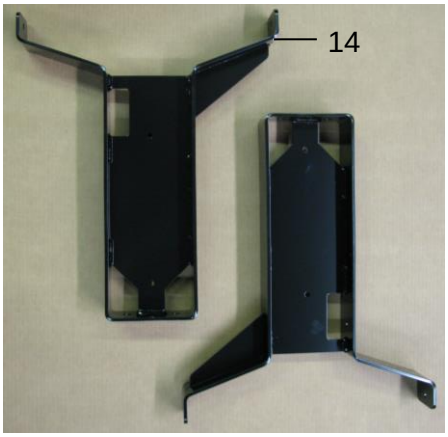
Ref	Description	Part #	Qty
10	Tip Strainer	004-1203-100	2
11	Tip* – Grey	004-XR11006VS	2
12	Nozzle Body	004-4722	2
13	Nozzle Cap	004-4723	2
14	Tank Leg – Long	001-4703FL	1
15	Left Mounting Bracket	001-4703FR	1
NP	477 Jiffy Clip	008-9014	2

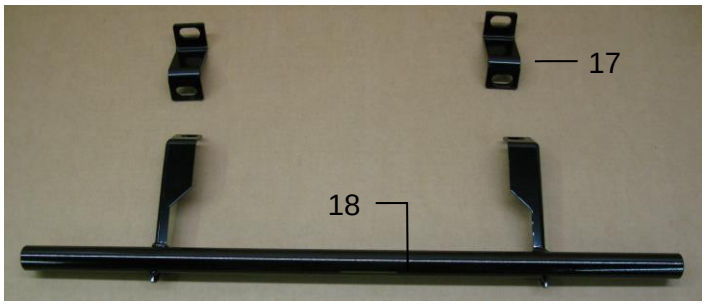
* Tip color subject to change

Shield Only (Ref 1-13)	030-7714J-SO
Tank Mount Kit (Ref 14-15)	TMK-4505
Complete Assembly	030-4505X

4517X Installation Kit





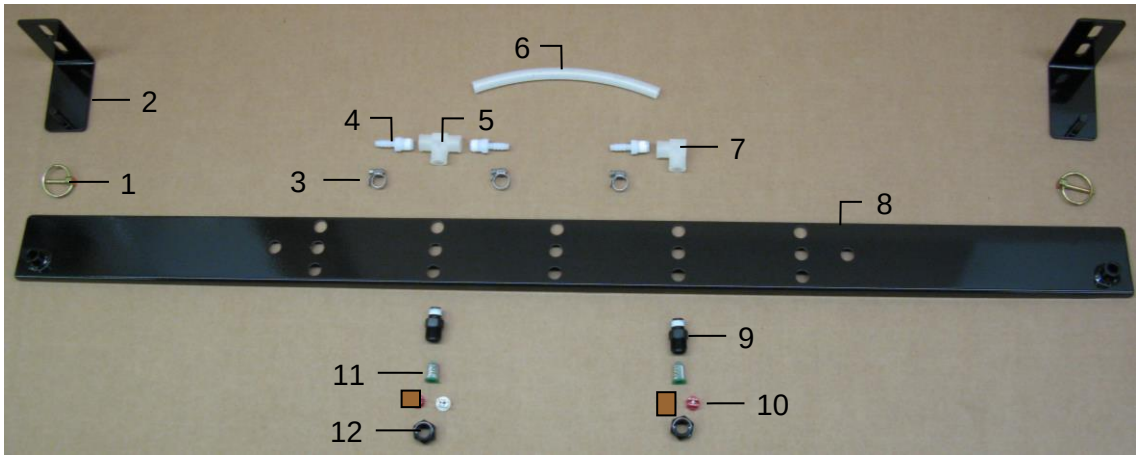


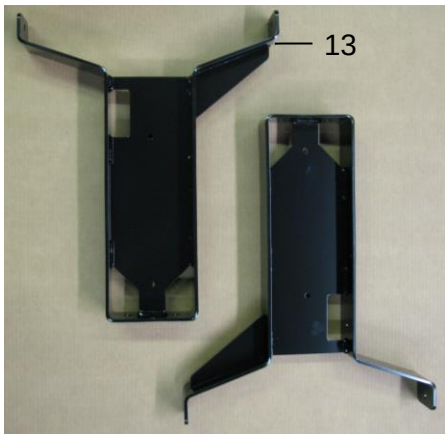
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4	12	Nozzle Body	004-4722	2
2	Hose clamp	003-9002	2	13	Nozzle Cap	004-4723	2
3	1/4" x 1/4" Fitting	003-A1414	5	14	Tank Leg	001-4703B	2
4	1/4" Sq Tee	003-TT14SQ	1	15	Left Mounting Bracket	001-4703DL	1
5	1/4" St Elbow	003-SE14F	1	16	Right Mounting Bracket	001-4703DR	1
6	Oetiker Clamp	003-9008	4	17	Space Bracket	001-4703NS	2
7	Nozzle Holder	001-4714J	2	18	Nozzle Tube	001-4703R	1
8	Hose	002-9016	3ft	NP	477 Jiffy Clip	008-9014	2
9	1/4" x 1/4" Fitting	003-A1414F	2				
10	Tip Strainer	004-1203-100	2				
11	Tip* – Grey	004-XR11006VS	2				

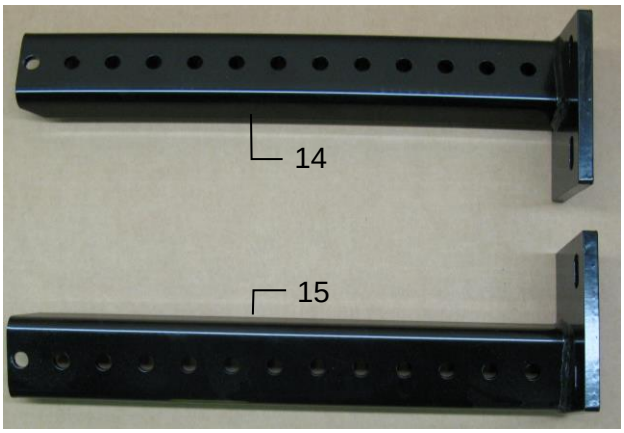
Shield Only (1-13)	030-7714J-SO
Tank Mount Kit (14-16)	SMK-4516
Shield Mount Kit (17-18)	TMK-4483
Complete Assembly	030-4517X

* Tip color subject to change

4523X Installation Kit





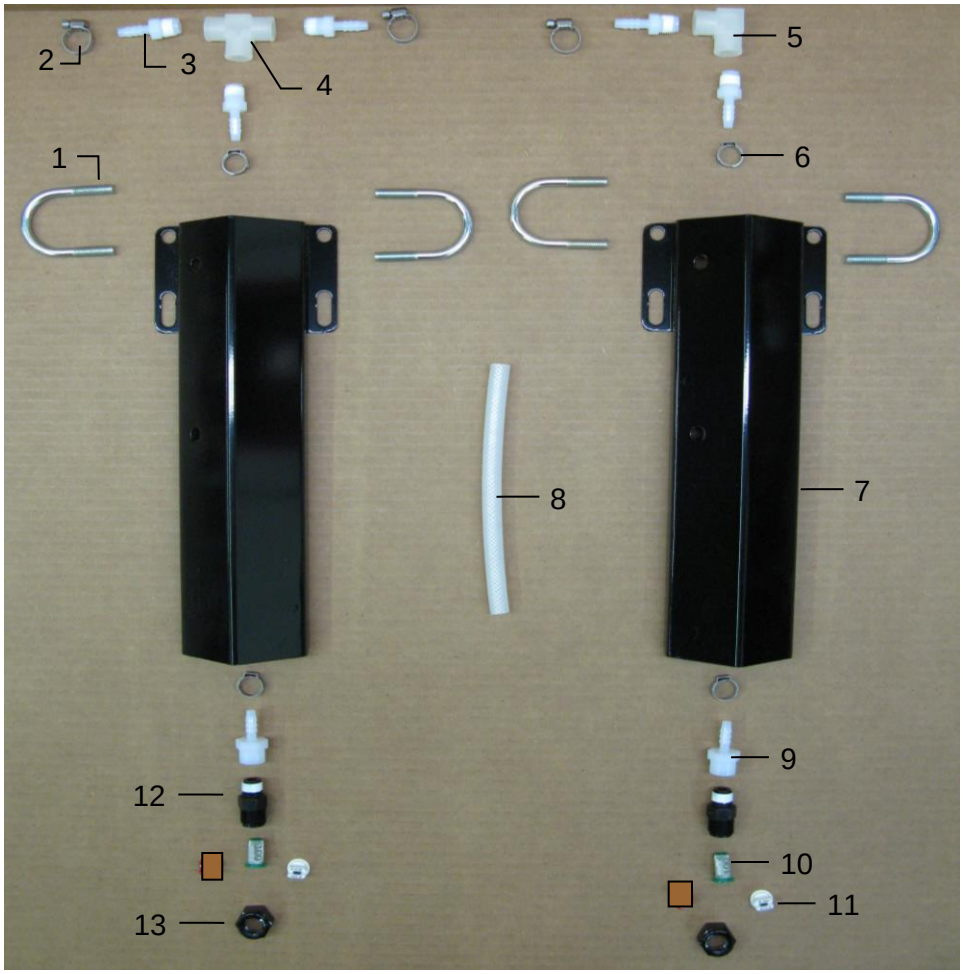


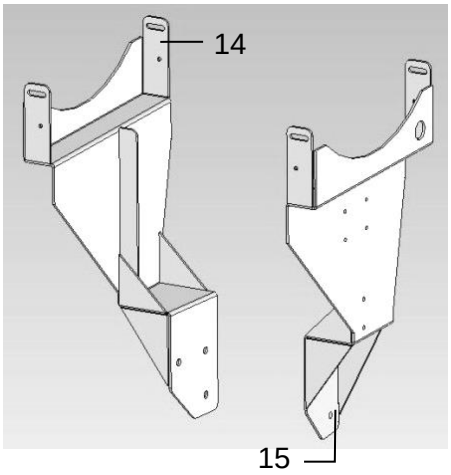
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16” Lynch Pin	008-4576	2	9	Nozzle Body	004-4722	2
2	Shield Holder	001-4704H	2	10	Tip* – Grey	004-XR11006VS	2
3	Mini Hose Clamp	003-9002	3	11	Tip Strainer	004-1203-100	2
4	1/4"FPT x 1/4"HB	003-A1414	3	12	Nozzle Cap	004-4723	2
5	1/4" Tee Sq	003-TT14SQ	1	13	Tank Leg – Long	001-4703B	2
6	1/4" Hose	002-9016	2ft	14	Left RB Support	001-4704JL	1
7	1/4" Female Elbow	003-SE14F	1	15	Right RB Support	001-4704JR	1
8	Spray Shield	001-4704G	1				

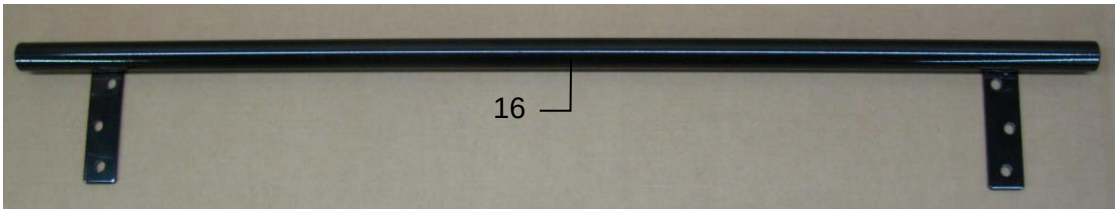
* Tip color subject to change

Shield Only (Ref 1-12)	030-4523XSO
Tank Mount Kit (Ref 13-15)	TMK-4523
Complete Assembly	030-4523X

4524X Installation Kit







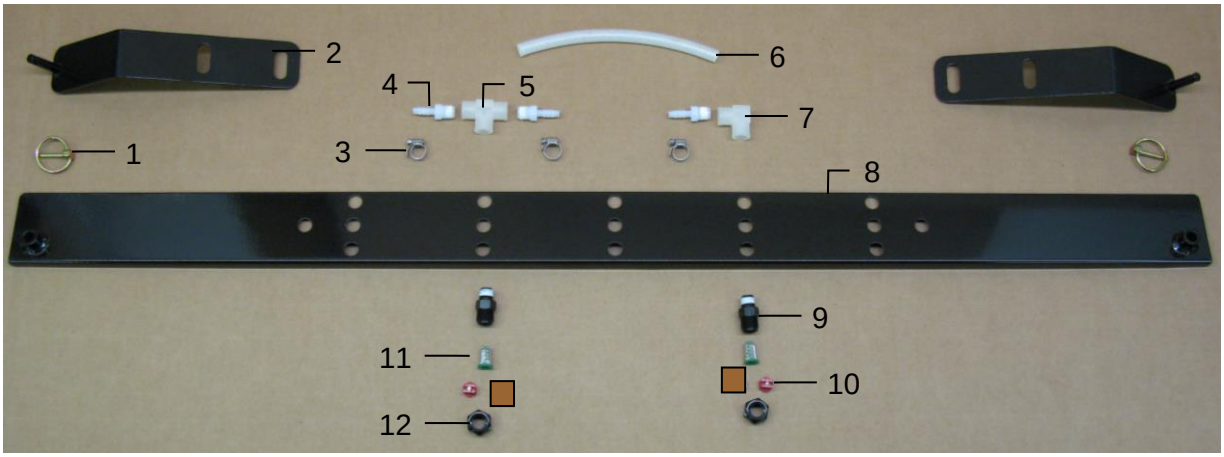
Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4
2	Hose clamp	003-9002	2
3	1/4" x 1/4" Fitting	003-A1414	5
4	1/4" Sq Tee	003-TT14SQ	1
5	1/4" St Elbow	003-SE14F	1
6	Oetiker Clamp	003-9008	4
7	Nozzle Holder	001-4714J	2
8	Hose	002-9016	3ft
9	1/4" x 1/4" Fitting	003-A1414F	2
10	Tip Strainer	004-1203-100	2

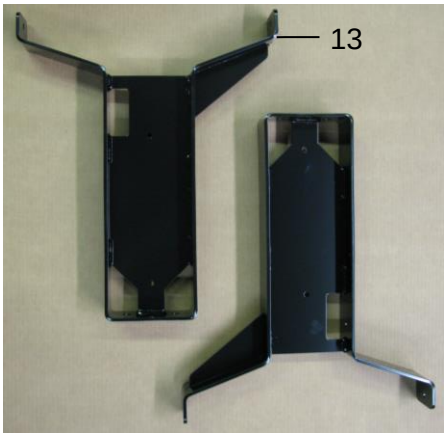
Ref	Description	Part #	Qty
11	Tip* – Grey	004-XR11006VS	2
12	Nozzle Body	004-4722	2
13	Nozzle Cap	004-4723	2
14	Left Tank Leg	001-4703L	1
15	Right Tank Leg	001-4703K	1
16	Nozzle Tube	001-4703T	1

Shield Only (1-13)	030-7714J-SO
Tank Mount Kit (14-15)	TMK-4508
Shield Mounting Kit (16)	SMK-4524
Complete Assembly	030-4524X

* Tip color subject to change

4526X Installation Kit



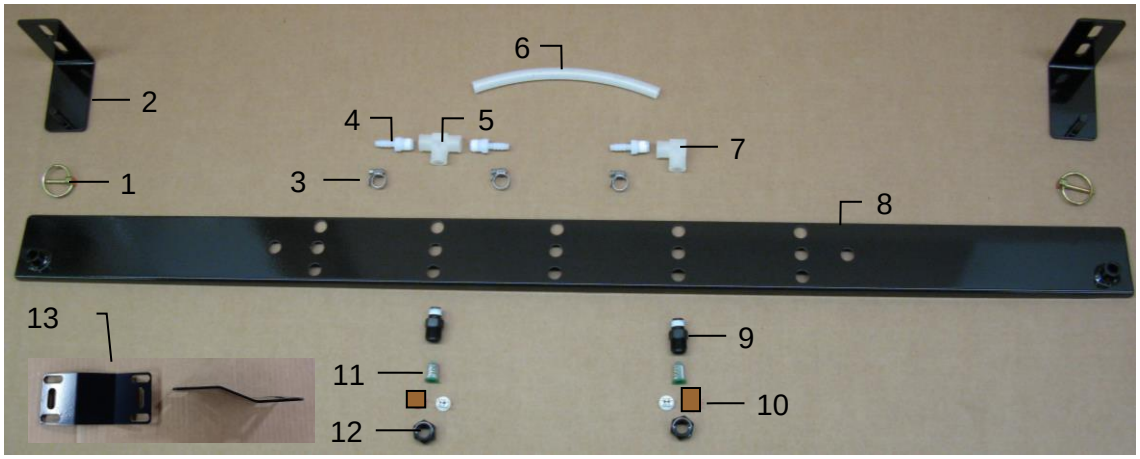


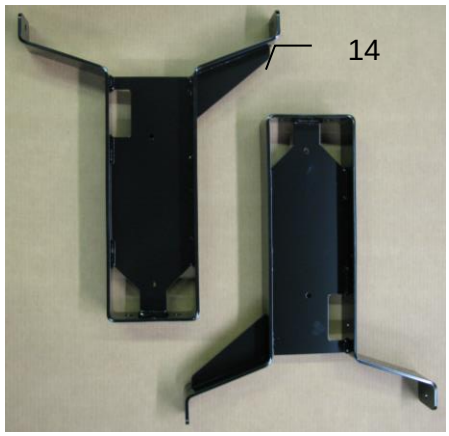
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16” Lynch Pin	008-4576	2	10	Tip* – Grey	004-XR11006VS	2
2	Shield Holder	001-4704MC	2	11	Tip Strainer	004-1203-100	2
3	Mini Hose Clamp	003-9002	3	12	Nozzle Cap	004-4723	2
4	1/4"FPT x 1/4"HB	003-A1414	3	13	55 Gal Leg	001-4703B	2
5	1/4" Sq Tee	003-TT14SQ	1	14	Side Support	001-4704MA	2
6	1/4" Hose	002-9016	2ft	15	Brace Support	001-4704MD	2
7	1/4" Female Elbow	003-SE14F	1	16	Top Support	001-4704ME	1
8	Spray Shield	001-4704G	1				
9	Nozzle Body	004-4722	2				

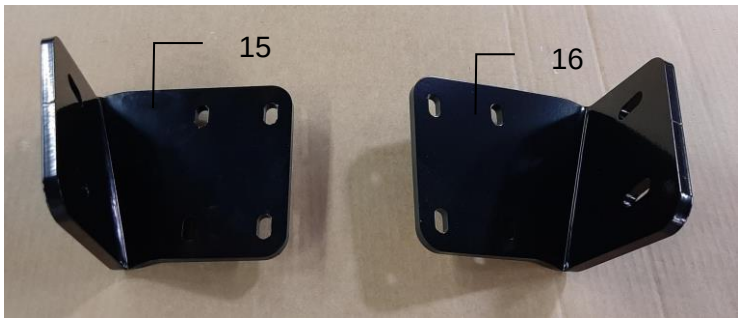
* Tip color subject to change

Shield Only (Ref 1-12)	030-4526X-SO
Tank Mount Kit (Ref 13-16)	TMK-4526
Complete Assembly	030-4526X

4531X Installation Kit







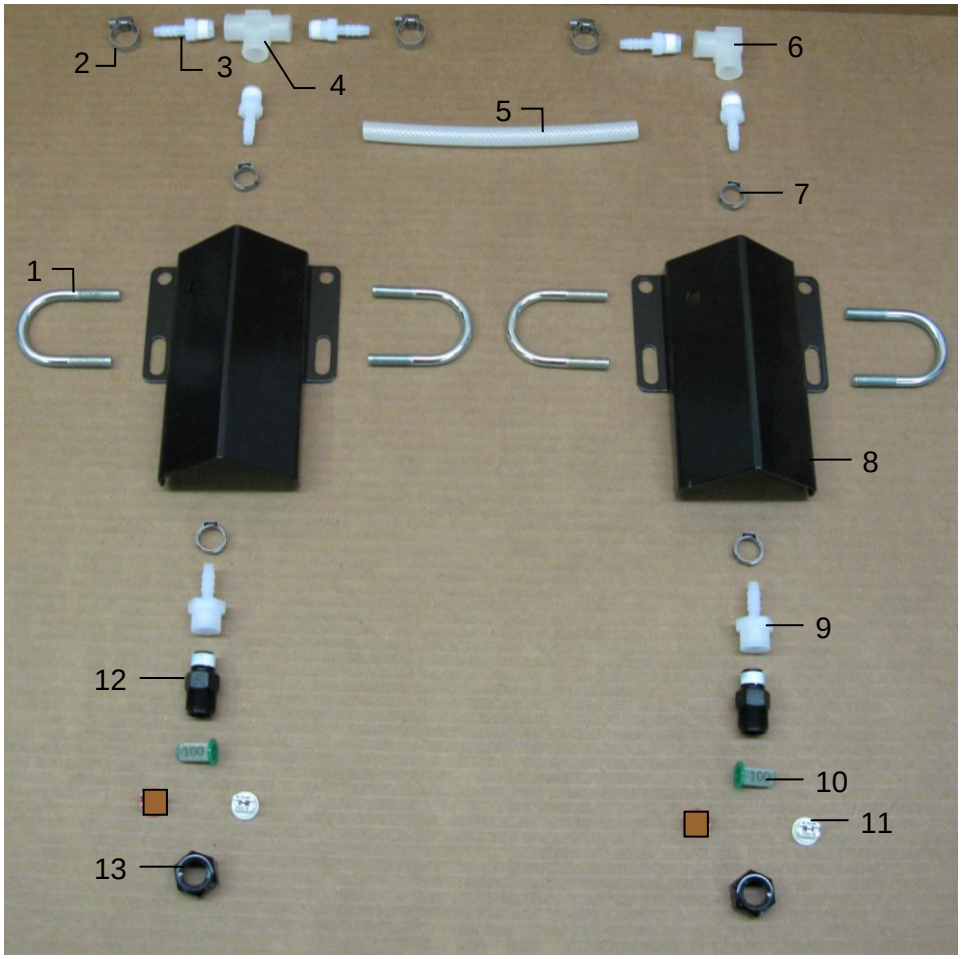
Ref	Description	Part #	Qty
1	3/16” Lynch Pin	008-4576	2
2	Shield Holder	001-4704H	2
3	Mini Hose Clamp	003-9002	3
4	1/4"FPT x 1/4"HB	003-A1414	3
5	1/4" Tee Sq	003-TT14SQ	1
6	1/4" Hose	002-9016	2ft
7	1/4" Female Elbow	003-SE14F	1
8	Spray Shield	001-4704G	1

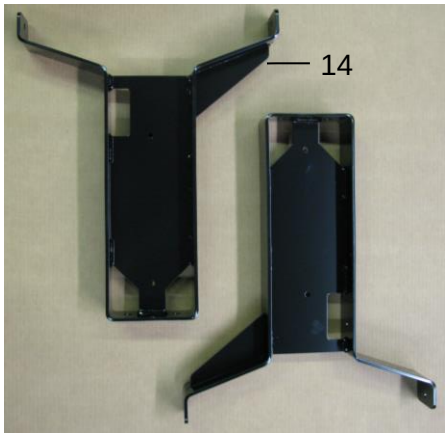
Ref	Description	Part #	Qty
9	Nozzle Body	004-4722	2
10	Tip* – Grey	004-XR11006VS	2
11	Tip Strainer	004-1203-100	2
12	Nozzle Cap	004-4723	2
13	Hanger Extender	001-4704HZ	2
14	Tank Leg – Long	001-4703B	2
15	Left Tank Leg Support	001-ACX2873560	1
16	Right Tank Leg Support	001-ACX2873280	1

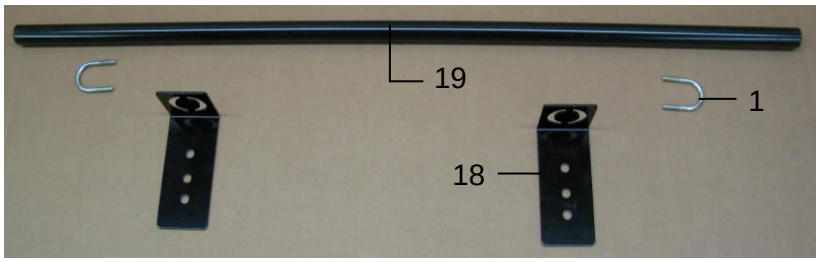
* Tip color subject to change

Spray Shield Only* (Ref 1-12) (*hanger extenders not included)	030-4523X-SO
Tank Mount Kit (Ref 13-15)	TMK-4531
Complete Assembly	030-4531X

4538X Installation Kit







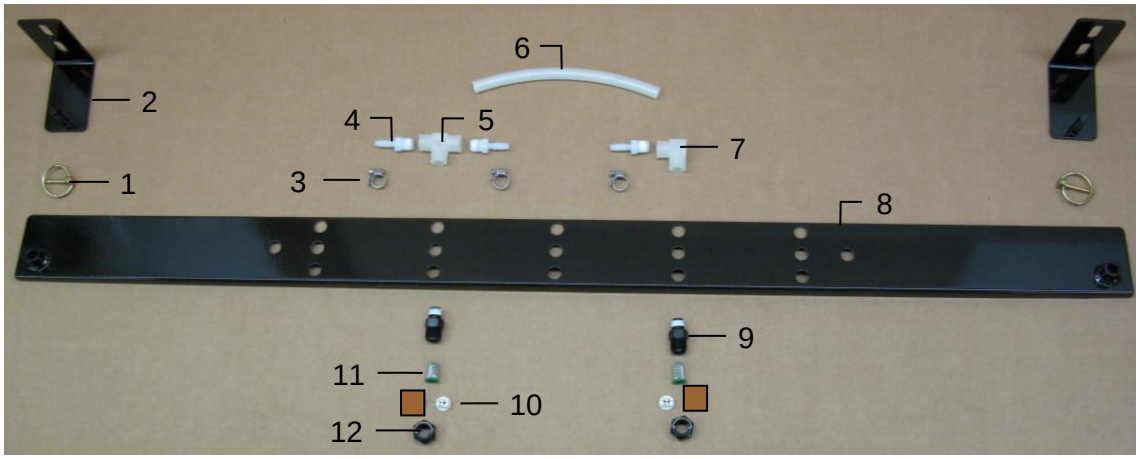
Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4
2	Hose clamp	003-9002	3
3	1/4" x 1/4" Fitting	003-A1414	5
4	1/4" Sq Tee	003-TT14SQ	1
5	Hose	002-9016	4ft
6	1/4" St Elbow	003-SE14F	1
7	Oetiker Clamp	003-9008	4
8	Nozzle Holder	001-4714JS	2
9	1/4" x 1/4" Fitting	003-A1414F	2
10	Tip Strainer	004-1203-100	2
11	Tip* – Grey	004-XR11006VS	2

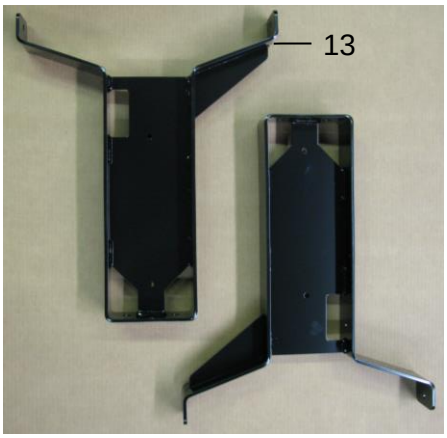
Ref	Description	Part #	Qty
12	Nozzle Body	004-4722	2
13	Nozzle Cap	004-4723	2
14	Tank Leg – Long	001-4703B	2
15	Side Support	001-4704MA	2
16	Brace Support	001-4704MDJ	2
17	Top Support	001-4704MEJ	1
18	Univ Nozzle Tube Holder	001-4703TH	2
19	Univ Nozzle Mount	001-4703TP	1

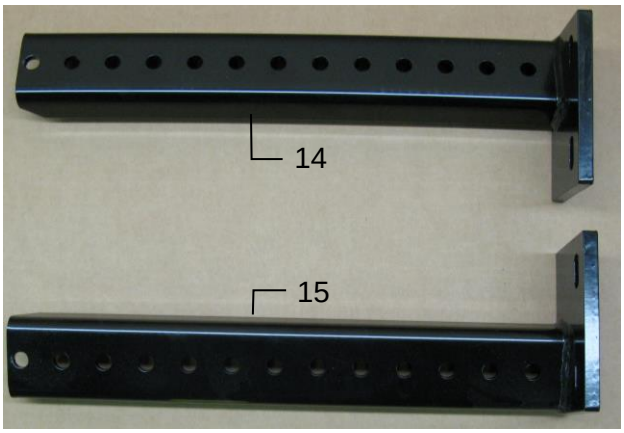
Shield Only (Ref 1-14)	030-7714JS-SO
Shield Mounting Kit (1,18,19)	SMK-UNIV-PIPE
Tank Mount Kit (Ref 14-17)	TMK-4538
Complete Assembly	030-4538X

* Tip color subject to change

4543X Installation Kit



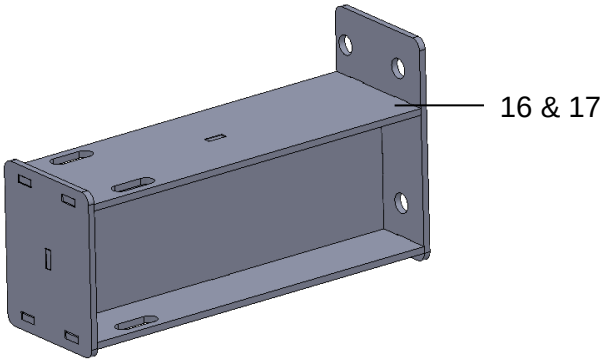




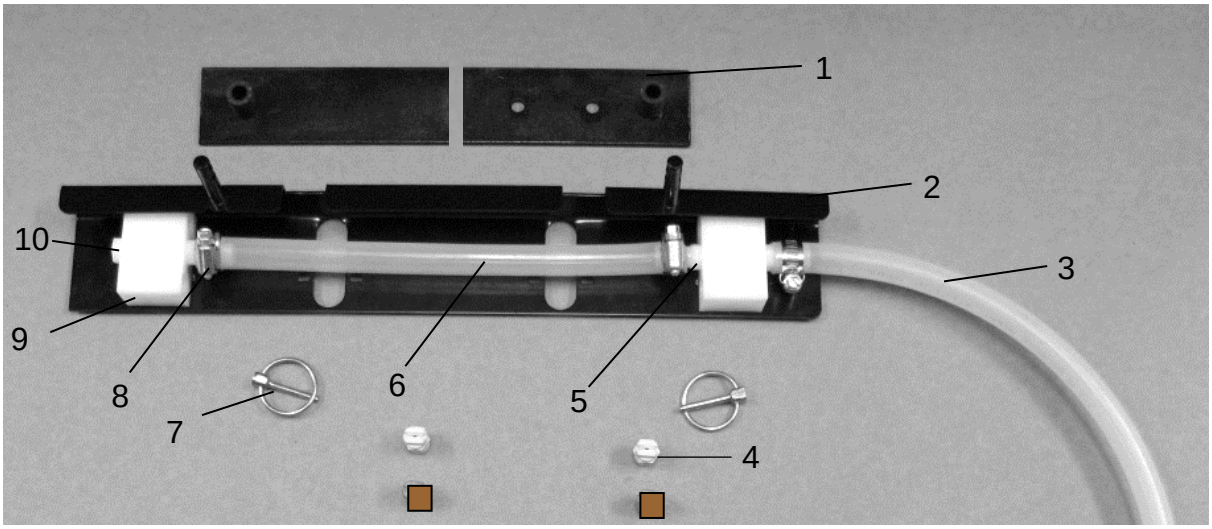
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	3/16” Lynch Pin	008-4576	2	10	Tip* – Grey	004-XR11006VS	2
2	Shield Holder	001-4704H	2	11	Tip Strainer	004-1203-100	2
3	Mini Hose Clamp	003-9002	3	12	Nozzle Cap	004-4723	2
4	1/4"FPT x 1/4"HB	003-A1414	3	13	Tank Leg – Long	001-4703B	2
5	1/4" Tee Sq	003-TT14SQ	1	14	Left RB Support	001-4704JL	1
6	1/4" Hose	002-9016	2ft	15	Right RB Support	001-4704JR	1
7	1/4" Female Elbow	003-SE14F	1	16	604 Pro RT Bkt	001-6055VER	1
8	Spray Shield	001-4704G	1	17	604 Pro LT Bkt	001-6055VEL	1
9	Nozzle Body	004-4722	2				

* Tip color subject to change

Shield Only (Ref 1-12)	030-4523X-SO
Tank Mount Kit (Ref 13-15)	TMK-4523
Complete Assembly	030-4543X

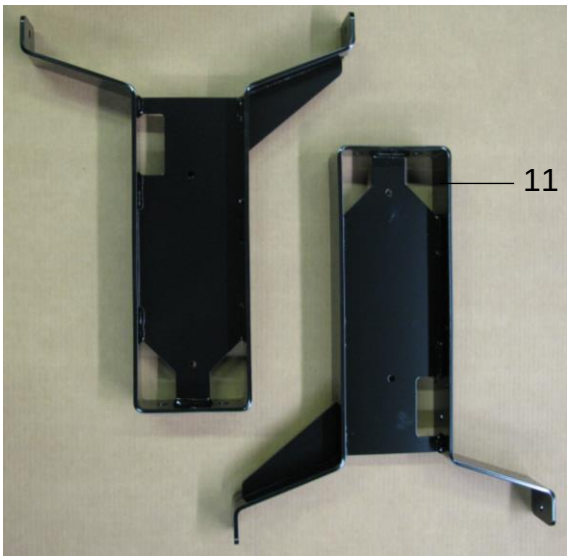


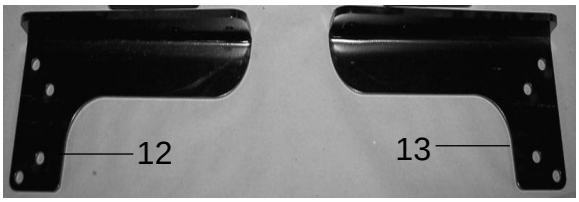
4547X Installation Kit



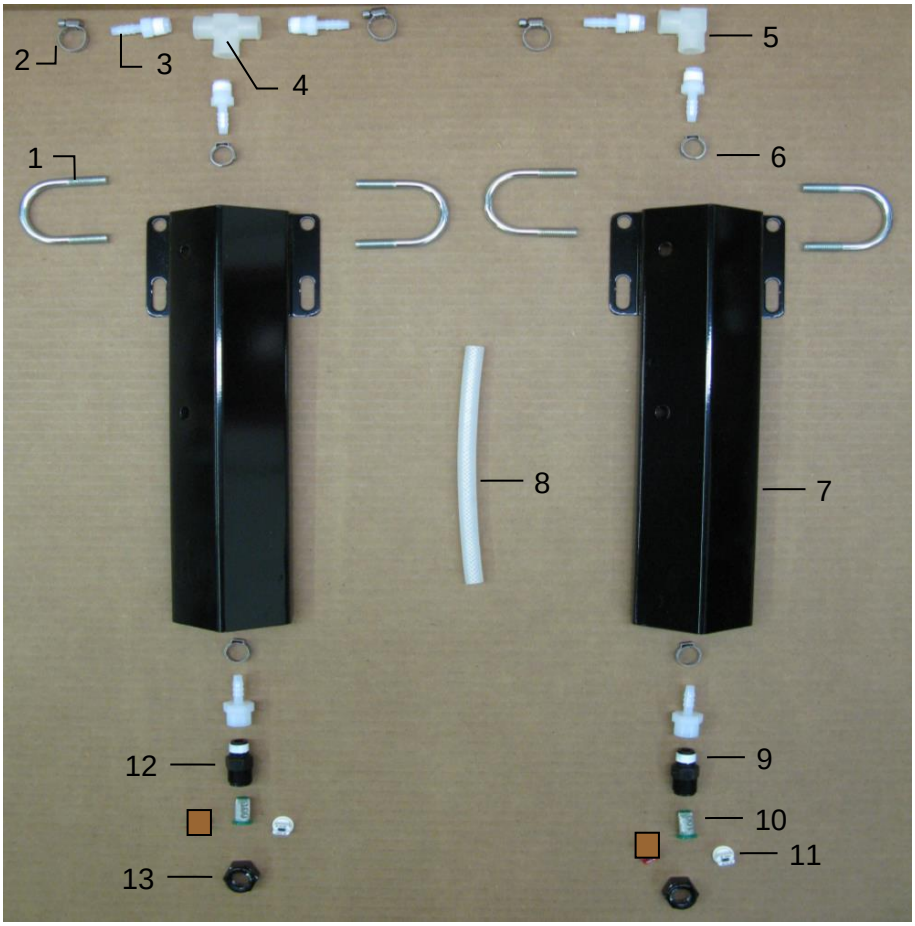
Ref	Description	Part #	Qty	Ref	Description	Part #	Qty
1	Holder	001-4435NCX2	2	9	Manifold Block	001-4435NSB	2
2	Shield	001-4435NSX	1	10	Fitting	003-F14	1
3	Braided Hose-1/4”	002-9016	3 ft	11	Tank Leg – Long	001-4703B	2
4	Tip* - Grey	004-XR11006VS	2	12	Left Mounting Bracket	001-4703DL	1
5	Fitting	003-A1414	3	13	Right Mounting Bracket	001-4703DR	1
6	Hose 1/4"	002-9006	1 ft	NP	Clamping UBolt 2”	001-4714UBX	2
7	Lynch Pin	008-4576	2				
8	Hose Clamp	003-9002	3		Shield Only (1-10)	030-7546-SO	
					Tank Mount Kit (11-13)	TMK-4504	
					Complete Assembly	030-4547X	

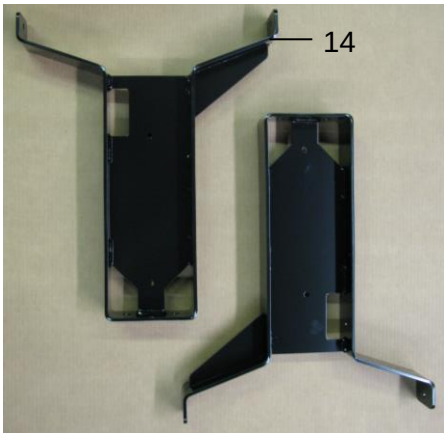
* Tip color subject to change

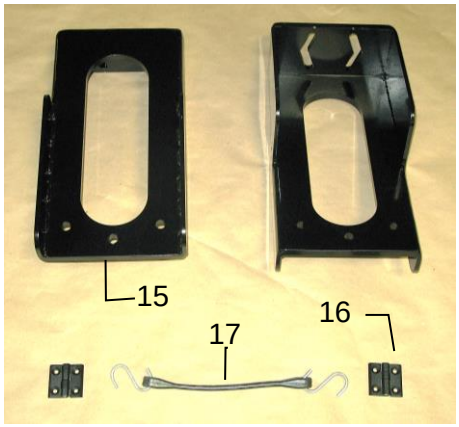


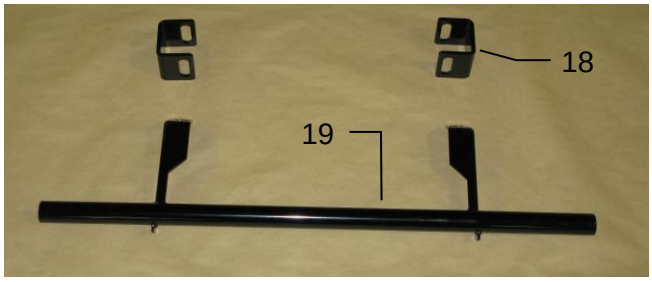


4549X Installation Kit









Ref	Description	Part #	Qty
1	U bolt	001-4714UBS	4
2	Hose clamp	003-9002	2
3	1/4" x 1/4" Fitting	003-A1414	5
4	1/4" Sq Tee	003-TT14SQ	1
5	1/4" St Elbow	003-SE14F	1
6	Oetiker Clamp	003-9008	4
7	Nozzle Holder	001-4714J	2
8	Hose	002-9016	3ft
9	1/4" x 1/4" Fitting	003-A1414F	2
10	Tip Strainer	004-1203-100	2
11	Tip* – White	004-XR11006VS	2
12	Nozzle Body	004-4722	2
13	Nozzle Cap	004-4723	2

Ref	Description	Part #	Qty
14	Tank Leg	001-4703B	2
15	Mounting Bracket	001-4703F	2
16	Hinge	001-4703VHG	2
17	Latch	001-4703CL	1
18	Space Bracket	001-4703NV	2
19	Nozzle Tube	001-4703R	1
NP	477 Jiffy Clip	008-9014	2

Shield Only (1-13)	030-7714J-SO
Tank Mount Kit (14-17)	TMK-4549
Shield Mount Kit (18-19)	SMK-4549
Complete Assembly	030-4549X

* Tip color subject to change

Notes

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 5/22

HARVEST TEC, LLC.
P.O. BOX 63
2821 HARVEY STREET
HUDSON, WI 54016 USA
PHONE: 715-386-9100
FAX: 715-381-1792
Email: info@harvesttec.com