Operation Manual

700 Series Small Square Baler Models

25 & 55 gallon Preservative Applicators



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

DECLARATION OF INCORPORATION



MANUFACTURER: Harvest Tec LLC. 2821 Harvey St.

P.O. Box 63

Hudson, WI 54016, U.S.A.

REPRESENTATIVE ESTABLISHED IN COMMUNITY: Profitable Farming Company

Middle Barlington, Roborough Winkleigh, Devon, EX19 8AG

ENGLAND

The person above certifies and declares that:

VIRTUAL MACHINE: Equipment mounted on a farm press and for the application of innoculants onto

forage crops.

MODEL: 744-745-750-751-23-OPR

BRAND: Harvest Tec SERIAL NUMBER:

This application preservatives for hay Harvest Tec system meets the Directive 2006/42/EC of the European Parliment and the Council of 17 May 2006 and other applicable European Directives including Directive 2004/108/EC on the Electromagnetic compatability.

The application of preservatives for hay Harvest Tec system will be turned on after being installed on a farm press has been declard in conformity with the Machinery Directive.

Person in the community authorized to provide information on the partly completed machinery and making this statement:

Richard Snell, President, Profitable Farming Company
Signed on May 21, 2011: Middle Barlington, Roborough
Winkleigh, Devon, EX19 8AG
ENGLAND

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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 square 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 Kit Reference

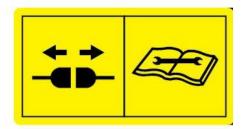
| Baler Make | Baler Model | Model Number | Installation Kit | Tank Size |
|-----------------|---|---------------------|------------------|-----------|
| AGCO | 7105, 7110, 7115, 7120, 1835, 1837, 1837, 1841 | 744 | 4416C | 55 Gallon |
| Case IH | 8500 Series | 744 | 4416C | 55 Gallon |
| Case IH | SBX 520, 521 | 745 | 4409C | 25 Gallon |
| Case IH | SBX 530, 540, 550, SB531, SB541, SB551 | 745 | 4415C | 25 Gallon |
| Case IH | SBX 530, 540, 550, SB531, SB541, SB551 | 751 | 4415C | 55 Gallon |
| Challenger | SB 34, 36, 44 | 744 | 4416C | 55 Gallon |
| Freeman | 270, 370 | 750 | 4506C | 55 Gallon |
| Hesston | 4550, 4570, 4590, 4600, 4655 | 744 | 4416C | 55 Gallon |
| Hesston | 4690N, 4690S | 750 | 4502C | 55 Gallon |
| John Deere | 328, 336, 338, 346, 347, 348 | 745 | 4410C | 25 Gallon |
| Massey Ferguson | 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842 | 744 | 4416C | 55 Gallon |
| Massey Ferguson | 1843N, 1843S | 750 | 4502C | 55 Gallon |
| Massey Ferguson | 1844N, 1844S | 750 | 4485C | 55 Gallon |
| New Holland | 200, 300 Series, 565 & BC5050 | 745 | 4409C | 25 Gallon |
| New Holland | 570, 575, 580, BC5060, BC5070, BC5080 | 745 | 4415C | 25 Gallon |
| New Holland | 570, 575, 580, BC5060, BC5070, BC5080 | 751 | 4415C | 55 Gallon |
| New Holland | 585, BB900 | 750 | 4507C | 55 Gallon |
| New Idea | 7205, 7210, 7215 | 744 | 4416C | 55 Gallon |
| Welger | AP630, AP730, AP830 | 745 | 4412C | 25 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 Signs 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 kit (Model 744, 750 & 751)

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).

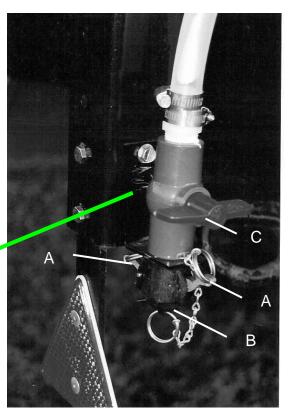
To open the ball valve (C) turn the handle so it is vertical. After the ball valve has been turned on switch the pump to the On position. Monitor the level on the tank visually and shut off the pump before over filling. Once the pump is turned off, close the ball valve and remove the male coupler.

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 (Model 744, 745, 750, 751)

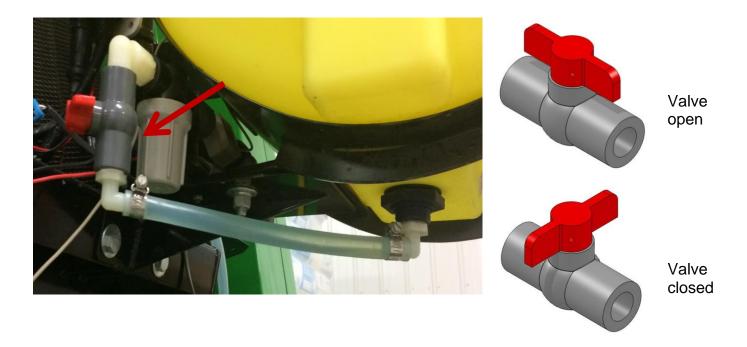
Read the label of the product being filled into the tank to determine what individual protective measures need to be taken. Clean the tank lid area and unscrew the lid. Transfer product from the container into the tank.

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

Operation of the Main Ball Valve

The ball valve should always be closed 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.



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 an 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)



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.

*Made for iPad®

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

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

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.



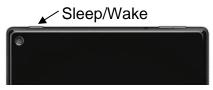
Turn iPad OFF: Hold down the Sleep/Wake button for a few seconds until the slider appears onscreen, then drag the slider to the right.

Sleep/Wake

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.



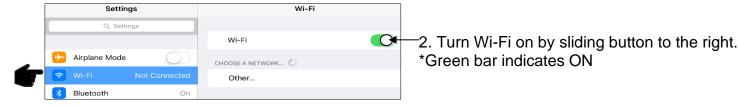
Turn Tablet OFF: Hold down the Sleep/Wake button for a few seconds until the onscreen appears, then drag the slider to the right.

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



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:



ISO Communication Module (ICM)

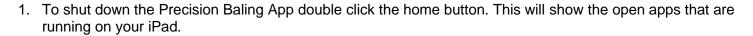
Once app is installed, operate the applicator by connecting the tablet lightning cable to the properly marked USB port.

Blinking Green Light – Module is connected and ready to operate.

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

Shutting Down the Precision Baling App

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.



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





Pressing the Home Button on the iPad WILL NOT stop application of the Harvest Tec System



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.



Pressing the Home Button on the tablet, WILL NOT stop application of the Harvest Tec System

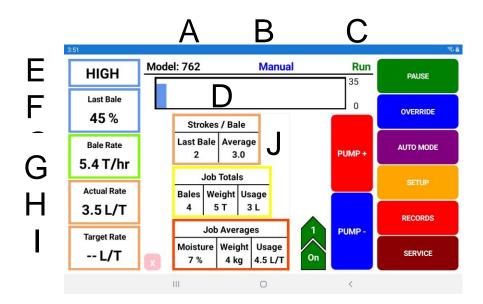
Operating the Harvest Tec 700 Series Applicator

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

■ **Top**: Status Messages

Bottom Center: Current Job Summary Information

Left Side: Real Time InformationRight Side: Operational Keys



Status Message Descriptions

A) Model: Indicates what model system.

B) Mode: Confirms which mode has been selected.

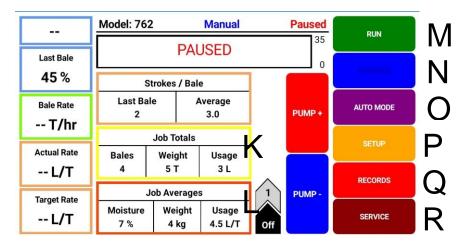
C) Status: Confirms if system is running or paused. Note: Upon startup the system is PAUSED.

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.
- J) Stroke Counter: OPTIONAL EQUIPMENT. When kit 030-0700SCK is connected system will provide flake count per bale upon each tie cycle

Operating the Harvest Tec 700 Series Applicator (continued)



Current Job Summary Boxes

K) 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.

L) 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.

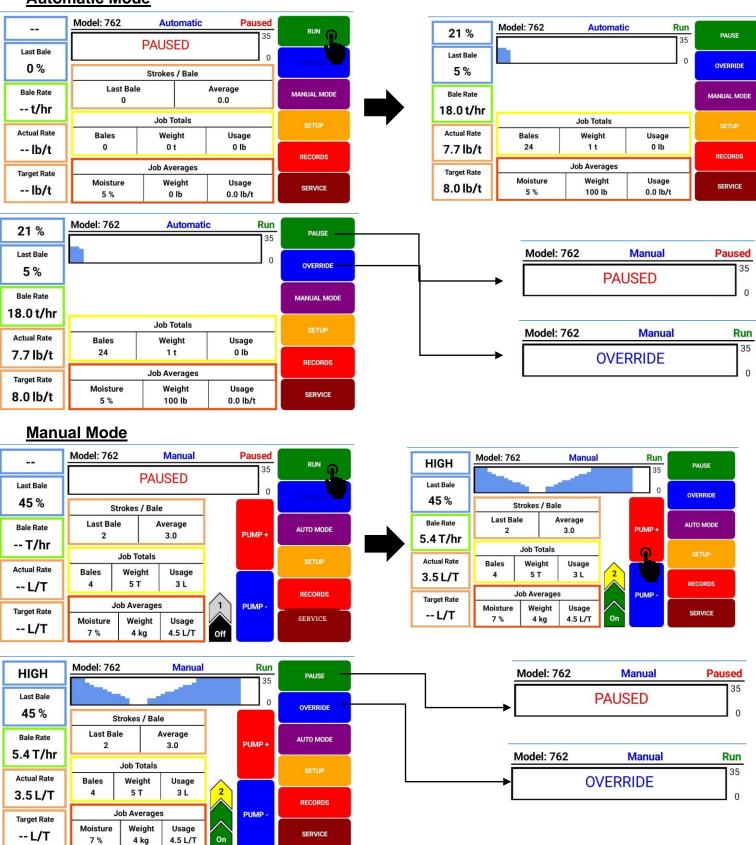
Operational Keys

- M) Run / Pause: Toggles between run mode to apply and pause mode to stop applying.
- **N)** Override: Only displays when in run mode while the applicator is applying preservative. Once in override, the applicator will apply at full rate.
- O) 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.
- **P) Setup:** Allows for user inputs for values regarding moisture, baling rate, application rate, and stroke counter if equipped.
- **Q) Records:** Access to view current job, view job list, view a selected job, create a new job, or reopen and add to existing job.
- R) Service: Displays software versions, sensor assignment, annual start-up pump test

Screen Menus

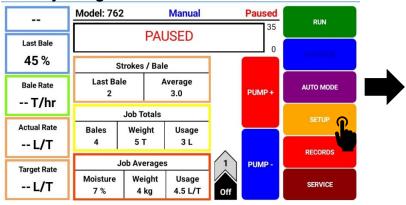
Use the screen shots below to navigate through the operation screens.

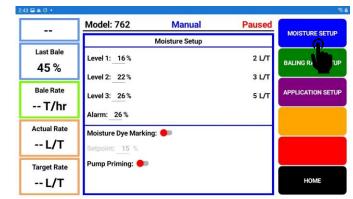
Automatic Mode



Setup Mode

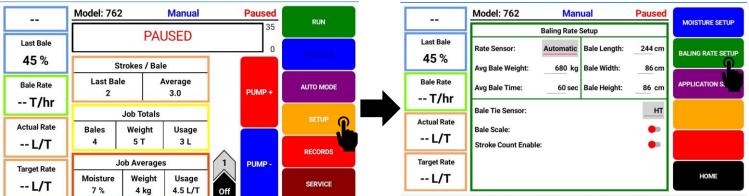
Adjusting Moisture Levels





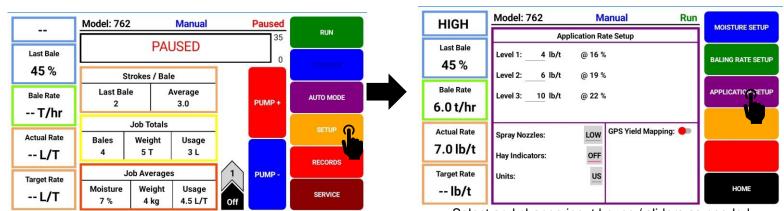
Select and change input boxes / sliders as needed

Adjusting Baling Rate



Select and change input boxes / sliders as needed

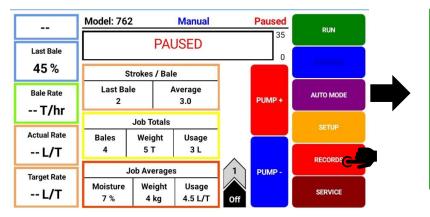
Adjusting Application Rate



Select and change input boxes / sliders as needed

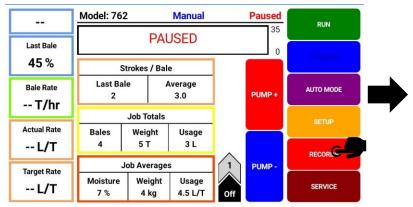
Job Records

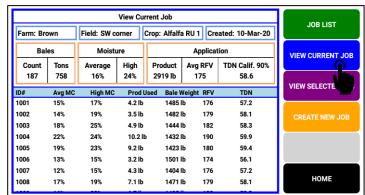
View Job List



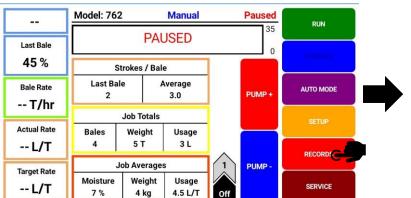


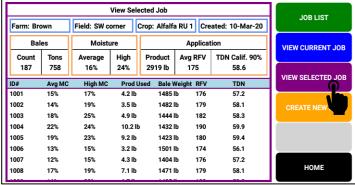
View Current Job List



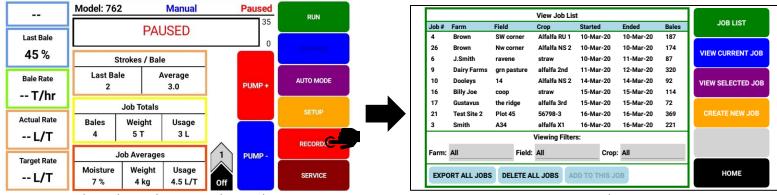


View Selected Job List

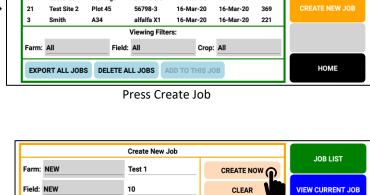


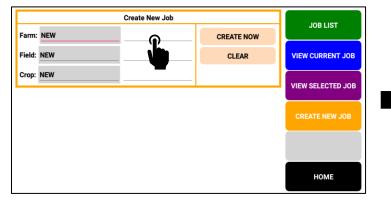


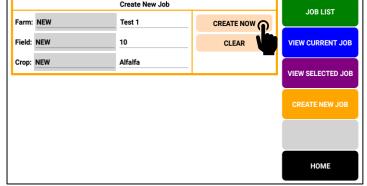
Create a New Job



Select Job Details to view job records

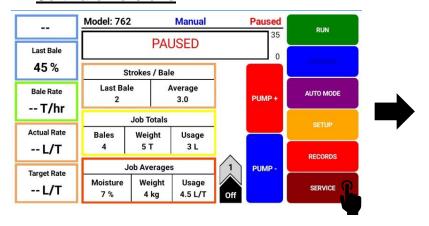


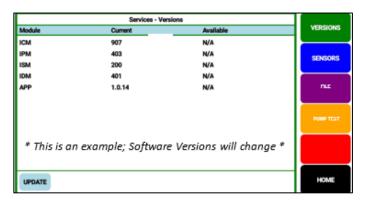




Select and fill out blank input boxes as needed

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 Average Bale Weight to match with either HIGH (80lbs/36kg) or LOW (50lbs/23kg) nozzles found in charts below – confirm correct nozzles installed on spray shield
 - Change Average Bale Time to either 8 sec (HIGH nozzles) or 10 sec (LOW nozzles).
 Reference charts below.
 - 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:

| 762 Small Square Baler HIGH Nozzles (2x 11004 OR 6504 tips) Bale Weight: 80 lbs (36 kg) Bale Time (sec): 8 Bale Rate: 18 t/hr (16.3 T/hr) | | | | | |
|--|---------------|-------------|-------------|------------|-------------|
| Preservative #/ton (L/T) | | | Water #/ton | (L/T) | |
| LEVEL | LEVEL MIN MAX | | LEVEL | MIN | MAX |
| 1 | 3.0 (1.4) | 4.4 (2.1) | 1 | 4.4 (2.2) | 6.4 (3.2) |
| 2 | 4.6 (2.2) | 7.2 (3.4) | 2 | 5.8 (2.9) | 8.3 (4.2) |
| 3 | 7.3 (3.5) | 13.1 | 3 | 10.3 (5.1) | 14.4 (7.2) |
| 4 | 10.9 (5.1) | 17.2 (8.1) | 4 | 15.0 (7.5) | 21.1 (10.6) |
| 5 | 14.2 (6.7) | 22.2 (10.5) | 5 | 18.1 (9.0) | 25.0 (12.5) |

| 762 Small Square Baler LOW Nozzles (2x 11001 OR 6501 tips) | | | | | | |
|--|--------------------------|---------------|--|----------|---------------|------------|
| | I | Bale Weight: | | 50 lbs | (23 kg) | |
| | Bal | e Time (sec): | | | 10 | |
| | | Bale Rate: | | 9 t/hr (| 8.2 T/hr) | |
| Pre | Preservative #/ton (L/T) | | | | Water #/ton (| L/T) |
| LEVEL | MIN | MAX | | LEVEL | MIN | MAX |
| 1 | 1.8 (.8) | 4.4 (2.1) | | 1 | 3.1 (1.5) | 6.1 (3.0) |
| 2 | 4.7 (2.2) | 6.9 (3.2) | | 2 | 6.4 (3.2) | 9.8 (4.9) |
| 3 | 6.2 (2.9) | 9.3 (4.4) | | 3 | 7.8 (3.9) | 11.1 (5.5) |
| 4 | 8.7 (4.1) | 13.9 (6.5) | | 4 | 8.9 (4.4) | 17.8 (8.8) |
| 5 | 10.4 (4.9) | 15.6 (7.3) | | 5 | 11.1 (5.5) | 20 (9.9) |

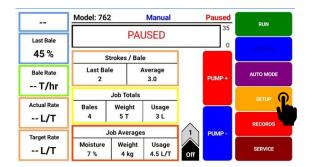
- 9. This process will also be used to prime the pump whenever needed.
- 10. While running pump check for a good spray pattern out of the respective tips and verify that no parts of the system are leaking.
- 11. While doing these tests the Volume (Lbs. Used) in Job Totals/Averages on the screen will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

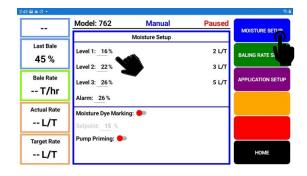
Setting Up System for Initial Use

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 the feature to set the moisture alarm and additional features such as setting up the Moisture Dye Marking (optional).





Adjusting Moisture Set Points

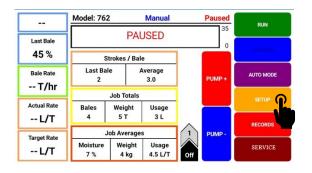
- Push the SETUP key on the main run screen, as shown in top left picture.
- On the Setup Mode screen press the MOISTURE SETUP key. Once selected the MOISTURE SETUP screen will be shown. (Top Right Picture)
- Press any of the number values to the right of Level 1, 2, and 3 to adjust their figures. Remember 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 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 (Kit 740DM Optional Equipment)

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

Baling Rate Setup

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





- 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 star wheel encoder fails to give a fixed baling rate.
- Automatic uses average bale weight and star wheel encoder to determine tons/hour. Note if star wheel encoder is damaged, system will continue using end of bale sensor to adjust baling rate.
- ISOBUS this selection should **not** be used with 762 small square baler software

Average Bale Weight

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

Average Bale Time

Set the time between knotter cycles. This value is used until 3 bales are tied within a job and upon coming out of PAUSE. If end of bale sensor is damaged the Bale Rate will default to using Average Bale Time to generate a T/hr.

Average Bale Length, Width, and Height

Set the length, width, and height of the bale in the chamber.

- Bale Tie Sensor

• this feature is currently not used with 762 small square baler software (2023) and should be set as HT (Harvest Tec)

- Bale Scale

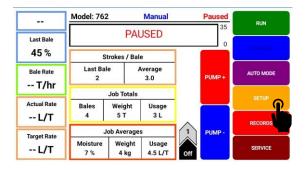
this feature is currently not used with 762 small square baler software (2023)

- Stroke Count Enable

 this feature requires installation of OPTIONAL Kit 030-0700SCK. When installed set your stroke count Minimum & Maximum (between 3 & 42 strokes) to be alerted if strokes per bale are outside of preferred range

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 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 (1.8, 3.6, 7.3 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-XR11004 tips. Be sure to change tip output in application

setup as needed.

| | Tip Part | | Baling Rate | |
|------------------|----------------|-----|-------------|--------------------|
| Tip Color | Number | Qty | (t/hr) | Tip Output (lb/hr) |
| Orange | 011001 OR 6501 | 2 | 0.75 - 8.5 | 12 - 136 |

| | Tip Part | | Baling Rate | |
|-----------|---------------|-----|-------------|--------------------|
| Tip Color | Number | Qty | (t/hr) | Tip Output (lb/hr) |
| Red | 11004 OR 6504 | 2 | 1.0 - 21.75 | 16 - 348 |

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. Kit number: 030-474C.

Adjusting Swath Width

Input average swath width in the field.

Change Units

Adjust the unit between metric and standard units.

Turn ON/OFF GPS

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

Selecting GPS Receiver

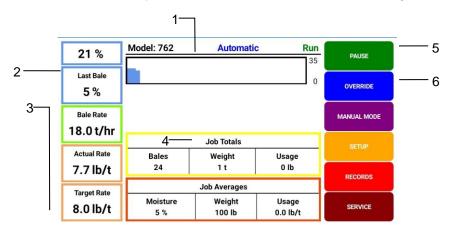
Select style of GPS device equipped on baler.

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

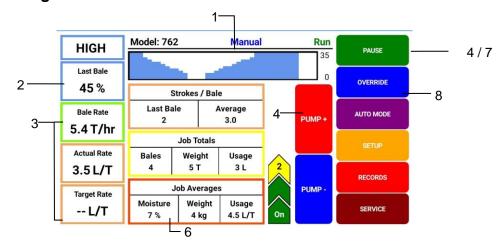
After pushing the AUTOMATIC MODE key in the Main Menu screen, the following screen will appear:



- 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

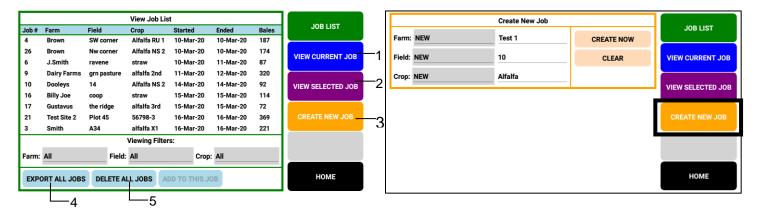
After pushing the MANUAL MODE key on the main run screen, the following screen will appear: When pump is ON, manual mode will apply preservative to the hay at a fixed rate regardless of the moisture or tonnage.



- 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 and baling rate) 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

NOTE – We recommend creating all new jobs on Precision Baling App using table functionality. 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)

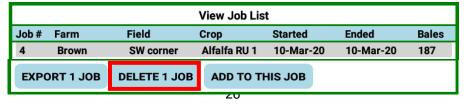
- Select the CREATE NEW JOB key to generate a new job record.
- Enter desired farm, field, and crop name and press CREATE NOW.
- The job details screen will appear with name of the job shown under the Job List. Information shown on this screen will include Job Number, Field Name, Crop, Date, and Total 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.

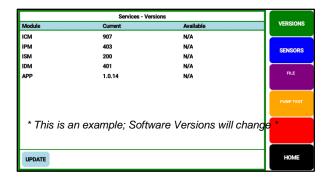
Delete Job (5)

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:

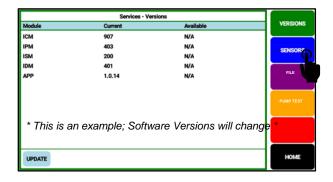


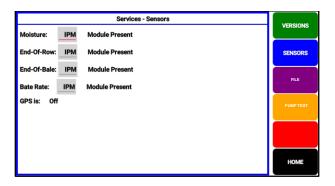
This will show the current version of software being used on the 700 series applicator system.

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

Sensors

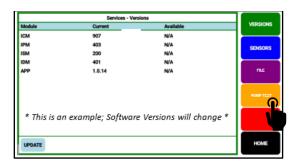
Within the Service menu, select SENSORS key to select sensor setup. NOTE – all sensors should be set to IPM for operation of 762 software.





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:

| 7 | 762 Small Square Baler LOW Nozzles | | | | | |
|--|------------------------------------|-----|--|-------|-----|------|
| (2x 11001 OR 6501) Preservative #/Hr Water #/Hr | | | | | | ır . |
| LEVEL | MIN | MAX | | LEVEL | MIN | MAX |
| 1 | 16 | 40 | | 1 | 28 | 55 |
| 2 | 42 | 62 | | 2 | 58 | 88 |
| 3 | 56 | 84 | | 3 | 70 | 100 |
| 4 | 78 | 125 | | 4 | 80 | 160 |
| 5 | 94 | 140 | | 5 | 100 | 180 |

| 762 Small Square Baler HIGH Nozzles | | | | | | |
|---|-----------|----------|-----|----------|----------|-----|
| | | (2x 1100 | 4 (| OR 6504) | | |
| Prese | rvative ‡ | #/Hr | | W | ater #/H | r |
| LEVEL | MIN | MAX | | LEVEL | MIN | MAX |
| 1 | 54 | 80 | | 1 | 80 | 115 |
| 2 | 82 | 130 | | 2 | 105 | 150 |
| 3 | 132 | 235 | | 3 | 185 | 260 |
| 4 | 196 | 310 | | 4 | 270 | 380 |
| 5 | 256 | 400 | | 5 | 325 | 450 |

Maintenance

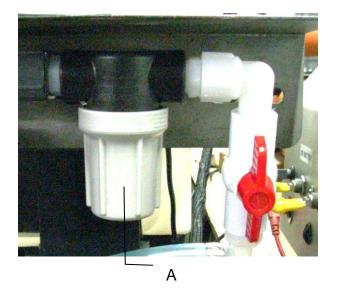
If you are unsure how to perform any of the maintenance steps have your local authorized dealer perform the tasks.

Maintenance Schedule

| | Daily | 10 hrs | 400 hrs | Weekly | Monthly | Season |
|-------------------------------|-------|--------|---------|--------|---------|--------|
| Diagnostics | Χ | | | | | X |
| Filter bowl cleaning | | Χ | | | | X |
| Tips & tip screen cleaning | | Χ | | | | X |
| Tank lid cleaning | | Χ | | | | X |
| Dielectric grease connections | | | | | Χ | X |
| Rebuild pump | | | X | | | |
| Battery connections | | | | Χ | | 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.





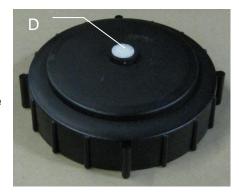
Tips & tip screen cleaning: Before cleaning the tips and screens all personal protective equipment must be worn (Face shield or goggles, chemically resistant apron, boots, and gloves).

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.



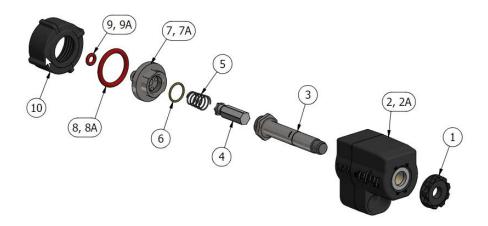
Rebuild pump: If Manual mode shows that the pump is running lower than normal, a pump rebuild may be necessary. To do this rebuild the pump must be removed from the pump manifold. The pump rebuild is part number 007-4581.

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

Wiring Diagram - 744, 745, 750, 751 Series

 Connect the power harness (006-765IC) to the tractor battery (12 volt) using the red wire with fuse to the positive side and the black wire to the negative.



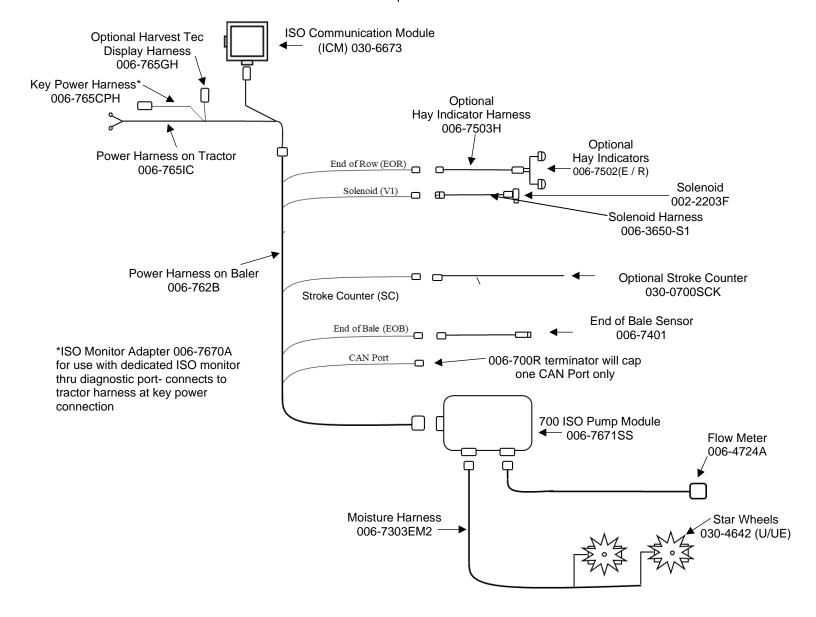
A. The power harness must be connected to the battery! CONTACT HARVEST TEC BEFORE MODIFICATIONS.

The unit will draw more amps than convenience outlets can handle. Any modifications of the power harness will void systems warranty

- B. This unit will not function on positive ground tractors.
- C. If the unit loses power while operating it will not keep track of accumulated pounds of product used.
- 2. The power harness on the tractor (006-765IC) will run from the tractor battery to the hitch. The power harness on the baler (006-762B) will connect to the tractor power harness (006-765IC) at the hitch.
- 3. Connect the keyed power wire (006-765CPH) to a keyed power source on the tractor.

The keyed power wire must connect to a keyed source or the unit will not power up correctly.

- 4. Attached the ISO Communication Module (006-6673) to the tractor power harness (006-765IC).
- 5. Attach the End of Bale (EOB) connection on baler harness (006-762B) to the EOB Sensor (006-7401).
- 6. Attach the Solenoid (SOL 1) connections on the baler harness (006-762B) and to the solenoids (002-2203F).
- 7. Attach the Flowmeter (006-4724A) to the Pump Module connection on pump plate assembly.
- 8. Attach the rubber molded connector on pump plate to the Pump (007-4120DE).
- 9. Attach star wheel (030-4642U/UE) connection to the pump module
- 10. Ensure 006-700R terminator is connected to CAN/IDM port on 006-762B harness



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 star wheel connection. Check all star wheel wires and connectors to see if there is a continuity or grounding problem.

Open star wheel blocks and ensure swivels are tightly seated within holder.

When moisture harness is disconnected moisture should read "LO"

When star wheels are grounded (connect jumper wire to both) moisture should read "HI"

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.

8. I press the "RUN" button, but the system shows "EOR" and doesn't run.

"EOR" stands for 'End of Row' and indicates that the Crop Eye Sensors are activated and are keeping the applicator from spraying preservative on an empty baler pickup. The applicator system will start spraying again when forage is actively being taken in the pickup. For testing purposes, a rag can be placed over one crop eye sensor to simulate forage being taken in by the pickup.

Troubleshooting

| Problem | Possible cause(s) | Solution(s) | | |
|--|---|---|--|--|
| | No voltage to IPM. | Check for short, low voltage, and replace fuse if necessary. | | |
| Pump will not run | 2. Pump locked up. | 2. Clean or rebuild pump if motor ok | | |
| | 3. Damaged wire. | 3. Repair damaged wire. | | |
| | Damaged solenoid | 4. Replace / Clean | | |
| | Air leak in intake. | Tighten fittings on intake side. Replace filter bowl O-ring. | | |
| | 2. Clogged intake. | 2. Clean. | | |
| Pump runs but will not prime | Restricted outlet. | 3. Check and clean tips. | | |
| | Check valve stuck closed. | 4. Clean or repair check valve. | | |
| | 5. Dirt inside pump. | 5. Replace pump check valve. | | |
| Pump does not develop | Air leaks or clogs on inlet. | Tighten or clean filter bowl | | |
| enough output. | 2. Pump worn or dirty. | 2. Rebuild pump. | | |
| | Wire disconnected or bad connection between star wheels and IPM. | Reconnect wire. | | |
| Majatowa waadina awaana | 2. Low power supply to IPM | 2. Check voltage at box for min of 12V | | |
| Moisture reading errors (reading high or low) | Bale not forming full top of bale allowing star wheels to not properly contact bale. | Adjust flake to contact star wheel sensors. | | |
| | 4. Short in star wheel harness. | 4. Replace wire. | | |
| | Check all wiring connections for corrosion or poor contact. | Apply dielectric grease to all connections. | | |
| Moisture reading erratic | 2. Check power supply at tractor. Voltage should be 12V-14V | Replace battery harness. Install voltage surge protection on tractors alternator. | | |
| | Voltage supplied to flow meter is less than 11 volts. | Check for a min of 11 volts supplied at IPM module. | | |
| Product is less than actual product used. | 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. | | |
| | High voltage supplied to the meter. | Check voltage at IPM. Max of 18V. | | |
| Product shown is 10% different than actual product used. | 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. | Dirty or defective solenoid | 1. Clean or Replace. | | |
| System does not pause at the end of a row. | Short in harness Damaged sensor Sensor misalignment | Replace harness Replace sensor Align sensors – see 474C manual | | |
| Solenoid will not pulse | Dirty or plugged solenoid Damaged wire from control Wire disconnected | Clean or Replace Repair Reattach | | |
| ISO Communication Module | ICM Module receiver not connected Harness disconnected Low power | Check connections and voltage. Minimum of 12.5 volts required. | | |
| light will not illuminate | Green Light – When the ISO Communication blinking green light will indicate connection | | | |

Error Messages

| <u>Message</u> | <u>Troubleshooting</u> | |
|---|--|--|
| Baling Rate shows "ERROR" | - The star wheel with the encoder is installed incorrectly | |
| | so it is spinning the wrong direction. Ensure star wheel | |
| | is installed according to arrow diagram on the back. | |
| Main Screen Shows "EOR" | - The Crop Eye Sensors are engaged and have paused | |
| | the applicator system. Cover one of the sensors with a | |
| Wall Screen Shows EOR | rag or piece of carboard to simulate forage being taken | |
| | in by the pickup. | |
| For other issues refer to Install Manual or contact Harvest Tec | | |

Tablet Troubleshooting

| <u>iPad Symptom</u> | 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 iPad Owner's Manual or contact Apple Directly | |

Harvest Tec Does Not Service Tablets

Pin Outs

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

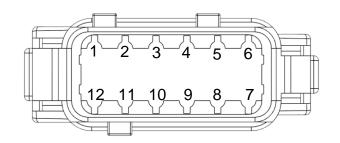
(Deutsch Plug Number: DTM06-12SA)

Pin 1 Red +12V from ECU

Pin 2 Purple Signal Wire/Stroke Count

Red/White +12V CAN X Pin 3 Black/White Pin 4 Ground CAN X CAN X Hi Pin 5 Orange CAN X Lo Blue Pin 6 Pin 7 Green ISO CAN Lo Pin 8 Yellow ISO CAN Hi White Pin 9 **GPS Expansion 1** Pin 10

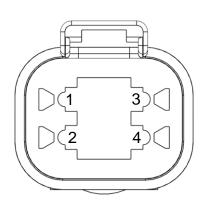
Pin 10 Gray GPS Expansion 2
Pin 11 Brown GPS Expansion 3
Pin 12 Black Ground from ECU



ISOBUS Plug on Tractor Harness 006-765IC

(Deutsch Plug Number: DT04-4P)

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



Power / Communication Tractor Harness 006-765IC at Baler Hitch

(Deutsch Plug Number: HDP24-24-18PN)

Pin 1 Not Used ----

Pin 2 Yellow ISO CAN Hi Pin 3 Green ISO CAN Lo

Pin 4 Red +12V Power to ECU
Pin 5 Black Ground to ECU
Pin 6 Red +12V From Battery

Pin 7 Not Used ----

Pin 8 Black Ground From Battery

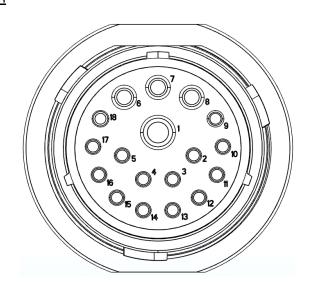
Pin 9 Not Used ----

Pin 10 Purple Signal Wire/Stroke Count

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

Pin 15 White GPS Expansion 1
Pin 16 Gray GPS Expansion 2
Pin 17 Brown GPS Expansion 3

Pin 18 Not Used ----

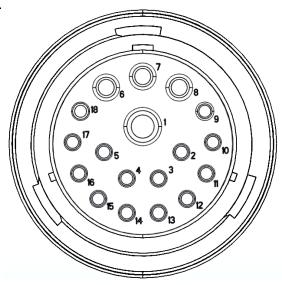


Pin Outs (continued)

Power / Communication Baler Harness 006-762B at Baler Hitch IPM

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

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



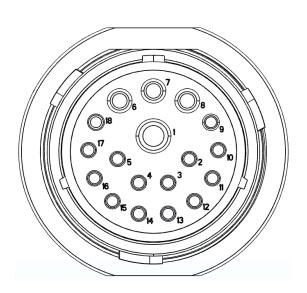
<u>Power / Communication Baler Harness 006-762B at IPM Module</u> (Deutsch Plug Number: HDP24-24-18SN)

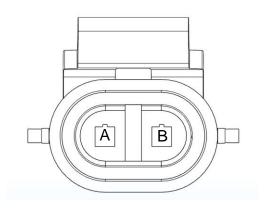
| Dedisonina | g Namber. Hibi 24 24 | 10011) |
|------------|----------------------|----------------------------|
| Pin 1 | Not Used | |
| Pin 2 | Yellow | ISO CAN Hi |
| Pin 3 | Green | ISO CAN Lo |
| Pin 4 | Red | +12V Power to ECU |
| Pin 5 | Black | Ground to ECU |
| Pin 6 | Red | +12V From Battery |
| Pin 7 | Not Used | |
| Pin 8 | Black | Ground From Battery |
| Pin 9 | Not Used | |
| Pin 10 | Orange/White | +12V Power to EOR, EOB, SC |
| Pin 11 | Orange/Black | Ground to EOR, EOB, SC |
| 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 | Not Used | |
| Pin 17 | Not Used | |
| Pin 18 | Not Used | |
| | | |

^{*}IPM Module Whip Plug- Pin # 5 Not Used

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

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



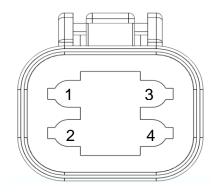


Pin Outs (continued)

CAN / IDM on Baler Harness 006-762B

(Deutsch Plug Number: DT06-4S)

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

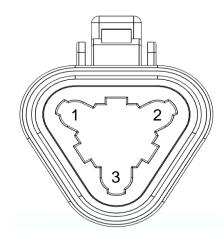


EOB (End of Bale Sensor) Plug on Baler Harness 006-762B

(Deutsch Plug Number: DT06-3S)

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

Pin 3 Blue/White Signal

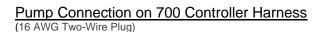


EOR (End of Row Sensor) Plug on Baler Harness 006-762B

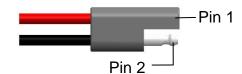
(Deutsch Plug Number: DT06-3S)

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

Pin 3 Blue/White Signal



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

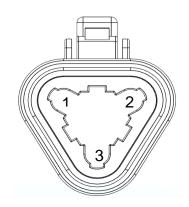


STROKE COUNTER Plug on Baler Harness 006-762B

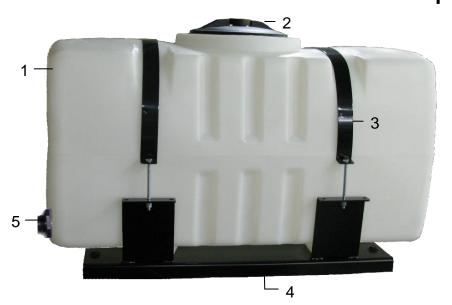
(Deutsch Plug Number: DT06-3S)

Pin 1 Orange/White +12V to Stroke Count Sensors
Pin 2 Orange/Black Ground to Stroke Count Sensors

Pin 3 Blue/White Signal

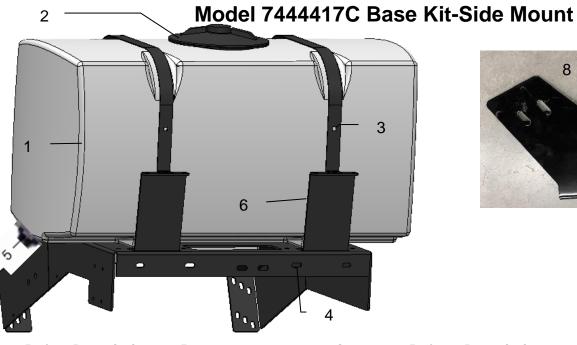


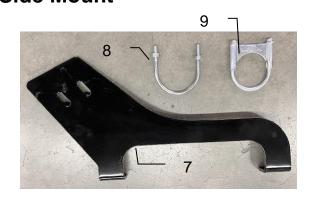
Parts Breakdown Model 744 Base Kit- Top Mount





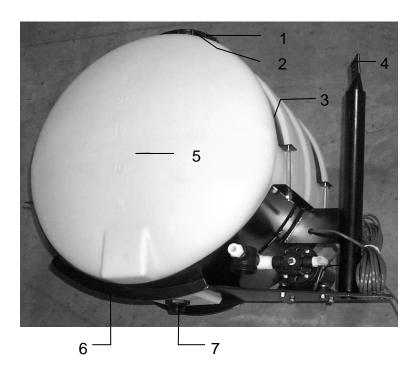
| Ref# | Description | Part # | <u>Qty</u> | Ref# | Description | Part # | Qty |
|------|--------------------|------------|------------|------|-----------------------|-------------|------------|
| 1 | Tank | 005-9203SQ | 1 | 5 | Tank fitting | 005-9100 | 1 |
| 2 | Tank Lid | 005-9022H | 1 | 6 | Pump Plate Mount | 001-4647 | 1 |
| 3 | Tank Straps | 001-4402 | 2 | | • | | |
| 4 | Tank Saddle | 001-4703X | 1 | | Tank Saddle Kit (1-5) | 030-0432-TK | |
| | | | | | 4647 Mount Kit (6) | PMP-4647MT | |





| Ref# | Description | Part # | <u>Qty</u> | Ref# | Description | Part # | Qty |
|------|--------------------|------------|------------|------|-----------------------|---------------|-----|
| 1 | Tank | 005-9203SQ | 1 | 6 | Strap Base | 001-4703CD | 4 |
| 2 | Tank lid | 005-9022H | 1 | 7 | Support Bracket | 001-4703QU | 2 |
| 3 | Tank straps | 001-4707A | 2 | 8 | U-Bolt | 001-4703QUX | 2 |
| 4 | Tank Saddle | 001-4703QS | 1 | 9 | U-Bolt Base | 001-4703QUB | 2 |
| 5 | Tank Plug | 003-F34 | 1 | | Tank Saddle Kit (1-9) | 030-0432SM-TK | |

Model 745 Base Kit



| Ref | Description | Part # | Qty |
|-----|--------------------|------------|-----|
| 1 | Tank Cap | 005-9022C | 1 |
| 2 | Tank Cap Gasket | 005-9022CG | 1 |
| 3 | Tank Strap | 001-4402 | 2 |
| 4 | Stub Pipe | 001-4403 | 1 |
| 5 | Tank | 005-9022 | 1 |
| 6 | Saddle | 001-4401 | 1 |
| 7 | Tank Fitting | 005-9100 | 1 |

*25-Gal Tank Includes Bottom Fitting Only Tank Saddle Kit 030-0441-TK

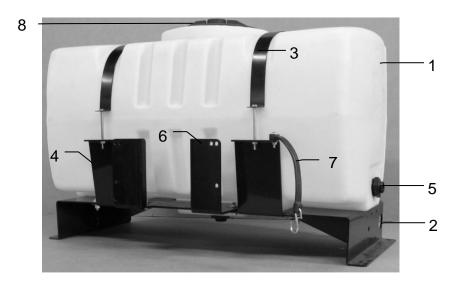
Model 750 Base Kit



| Ref# | <u>Description</u> | Part # | <u>Qty</u> | Ref# | <u>Description</u> | <u>Part #</u> | <u>Qty</u> |
|------|--------------------|----------|------------|------|--------------------|---------------|------------|
| 1 | Tank | 005-9203 | 1 | 4 | Tank Cap | 002-9022C | 1 |
| 2 | Straps | 001-4402 | 2 | 5 | Tank Gasket | 002-9022CG | 1 |
| 3 | Tank Fitting | 005-9100 | 1 | 6 | Saddle | 001-4703 | 1 |

*55-Gal Tank Includes Side Tank Fitting Only Complete Saddle Kit 030-0448-TK

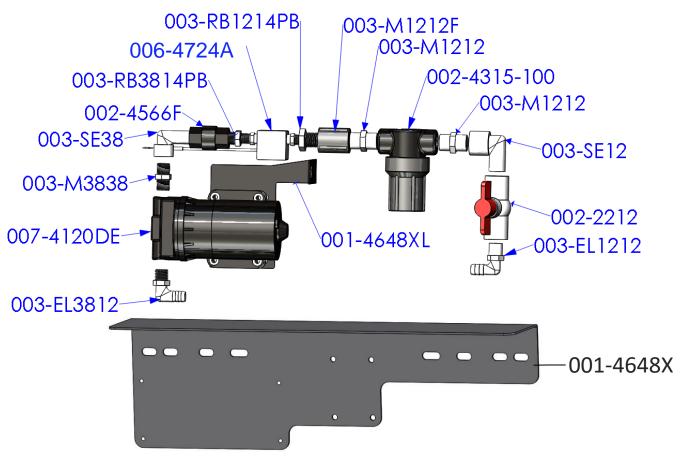
Model 751 Base Kit



| Ref# | Description | Part # | Qty | Ref# | Description | Part # | Qty |
|------|--------------------|------------|-----|------|--------------------|------------|-----|
| 1 | Tank | 005-9203SQ | 1 | 6 | Mounting Bracket | 001-4647 | 1 |
| 2 | Tank Saddle | 001-4703C | 1 | 7 | Door Latch | 001-4703CL | 1 |
| 3 | Tank Straps | 001-4402 | 2 | 8 | Tank Lid | 005-9022H | 1 |
| 4 | Short Strap Base | 001-4703CC | 2 | NP | Long Strap Base | 001-4703CD | 2 |
| 5 | Tank fitting | 005-9100 | 2 | | | | |

^{*}Tank Includes Cap, Bottom & Side Tank Fitting Complete Saddle Kit (1-5,7-NP) 030-0440-TK 4647 Mount Kit (6) PMP-4647MT

Parts Breakdown for Pump Assembly



| Part# | <u>Description</u> | Qty | Part# | <u>Description</u> | Qty |
|--------------|-------------------------|-----|--------------|-----------------------------|------------|
| 003-EL3812 | 3/8"MPT X 1/2"HB Elbow | 1 | 003-M1212 | 1/2" Union | 2 |
| 007-4120DE | 300 Series Pump | 1 | 002-4315-100 | 1/2" Line Strainer-100 Mesh | 1 |
| 003-M3838 | 3/8" x 3/8" Union | 1 | 003-SE12 | 1/2" Street Elbow | 1 |
| 003-SE38 | 3/8" Street Elbow | 1 | 002-2212 | 1/2" Ball Valve | 1 |
| 002-4566F | 3/8" Check Valve | 1 | 003-EL1212 | 1/2"MPT x 1/2"HB | 1 |
| 003-RB3814PB | RB 3/8" x 1/4" Reducer | 1 | 001-4648XL | 300 Pump Support | 1 |
| 006-4724A | Flow Meter-Deutsch Plug | 1 | 001-4648X | Pump Plate Mount | 1 |
| 003-RB1214PB | RB 1/2" x 1/4" Reducer | 1 | 003-A1212 | Not Pictured | |
| 003-M1212F | 1/2" Coupler | 1 | 003-A3812 | Not Pictured | |

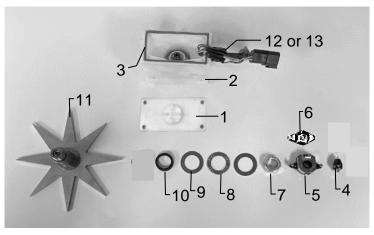
Pump Assembly PMP-3636P (001-4648X Not Included)

Completed Assembly



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

Star Wheel Sensors



| Ref | Description | Part# | Qty |
|-----|----------------------------|-------------|-----|
| 1 | Block Cover | 006-4642UC | 1 |
| 2 | Star Wheel Block | 006-4642UB | 1 |
| 3 | Star Wheel Gasket | 006-4642UG | 1 |
| 4 | Electric Swivel | 006-4642A | 1 |
| 5 | Encoder | 006-4512E | 1 |
| 6 | Encoder Mount | 006-4512P | 1 |
| 7 | Nut for Star Wheel | 006-4642U | 1 |
| 8 | Bearing | 006-4642TB | 1 |
| 9 | Thrust Washer | 006-4642TA | 2 |
| 10 | Dust Seal | 006-4642DSL | 1 |
| 11 | Star Wheel w/Insert | 030-4642US | 1 |
| 12 | Encoder Harness (6 pin) | 006-7307EM | 1 |
| 13 | Moisture Harness | 006-7307M | 1 |

Replacement Assemblies

| 1-12 | Star wheel assembly | 030-4642UE |
|---------|---------------------|------------|
| | (w/ Encoder) | |
| 1-4 | Star wheel assembly | 030-4642U |
| 7-11,13 | (w/o Encoder) | |

Moisture Harness & Hoses



| <u>Ref</u> 14 | <u>Description</u> Moisture Harness (744, 745, 750 Kits) | <u>Part #</u> 006-7307EM2 | Qty 1 |
|------------------|--|------------------------------|-----------------|
| 14 | Moisture Harness (751 Kit) Long Harne | 006-7307EM3 ss | 1 |



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

Control Box and Wiring Harnesses



| <u>Ref</u> | Description | Part# | Qty | <u>Ref</u> | <u>Description</u> | Part# | <u>Qty</u> |
|------------|----------------------|------------|------------|------------|--------------------------|--------------|------------|
| 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-C Cable | 006-6672USBC | 1 |
| 4 | ISO Pump Module | 006-7671SS | 1 | NP | Optional USB-A to USB-C | 006-6672USBX | 1 |
| | • | | | | Communication Cable | | |

1

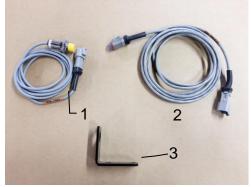
*006-700R installation on 006-762B harness is required at all times when operating the small square 700 series applicator

End of Bale Sensor Kit A

ISO Communication

Module

5



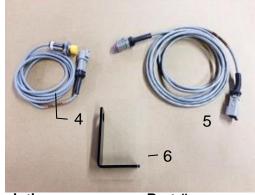
| Ref | Description | Part # | Qty |
|-----|---------------------|-------------|-----|
| 1 | End of Bale Sensor | 006-7401 | 1 |
| 2 | EOB Extension | 006-7401EXT | 1 |
| 3 | End of Bale Bracket | 001-4648SS | 1 |
| | | | |

Complete Assembly (Ref. No. 1-3)

EOB-7SS-A

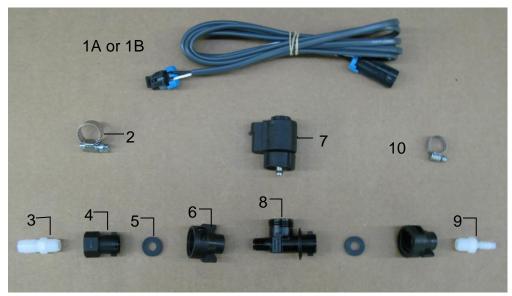
006-6673

End of Bale Sensor Kit B



| | The same of the sa | | |
|------------|--|-------------|-----|
| <u>Ref</u> | <u>Description</u> | Part # | Qty |
| 4 | End of Bale Sensor | 006-7401 | 1 |
| 5 | EOB Extension | 006-7401EXT | 1 |
| 6 | End of Bale Bracket | 001-4648SI | 1 |
| | Complete Assembly (Ref. No. 4-6) | EOB-7SS-B | |

700 Solenoid Packages

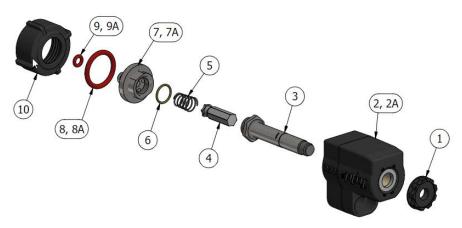


Solenoid Package A (for 751 Kit) and Solenoid Package B (for 744, 745, 750 Kits)

| Ref | <u>Description</u> | Part # | Qty | <u>Ref</u> | <u>Description</u> | Part # | Qty |
|-----|----------------------------|-------------|-----|------------|------------------------------|------------|-----|
| 1A | Solenoid Harness (5') | 006-3650-S1 | 1 | 6 | 1/4" Female Disconnect | 004-1207H | 2 |
| 2B | Solenoid Harness (10') | 006-3650-S2 | 1 | 7 | Solenoid | 002-2203F | 1 |
| 2 | #6 Hose Clamp | 003-9003 | 1 | 7 | Solenoid Valve Body | 004-1207VF | 1 |
| 3 | 1/4"x1/2" Straight Fitting | 003-A1412 | 1 | 8 | 1/4" x 1/4" Straight Fitting | 003-A1414 | 1 |
| 4 | 1/4" Female Connector | 004-1207G | 1 | 9 | Mini Hose Clamp | 003-9002 | 1 |
| 5 | Rubber Washer | 004-1207W | 2 | | | | |
| | | | | Com | plete Assembly Pkg. A | SOL-2SP | -A |
| | | | | Com | plete Assembly Pkg. B | SOL-2SP | -B |

Expanded View of Pulsing Solenoid (002-2203F)

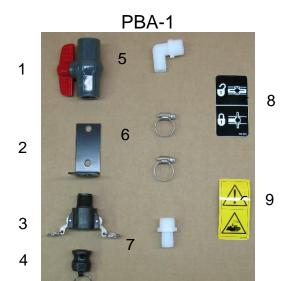
Replacement Pulsing Solenoid O-Ring Kit available (002-2203FG) (Includes EPDM O-Rings 6, 8, 9 shown below)



To clean solenoid valves:

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

Parts Bag Packages and Misc.

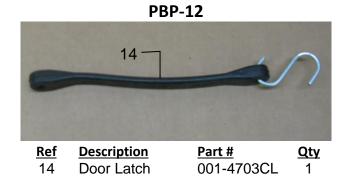


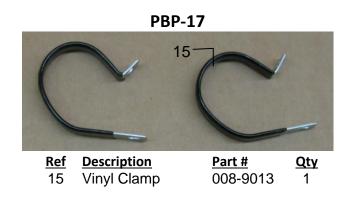
| PBP-16 | | | | | | | | |
|--------|-------|---------|----|--|--|--|--|--|
| 10 | - | <u></u> | 12 | | | | | |
| 11 | C C C | 3 | 13 | | | | | |

Qty

| Ref | <u>Description</u> | Part # | Qty | Ref | <u>Description</u> | Part # | (|
|-----|----------------------|------------|-----|-----|--------------------|------------|---|
| 1 | 3/4" Ball Valve | 002-2200 | 1 | 8 | Valve Decal | DCL-8004 | _ |
| 2 | Valve Holder | 001-6702H | 1 | 9 | Hazard Decal | DCL-8001 | |
| 3 | Female Coupler | 002-2204A | 1 | 10 | 3/4" x 1/2" Elbow | 003-EL3412 | |
| 4 | Male Shut-Off Plug | 002-2205G | 1 | 11 | 3/4" Jiffy Clip | 008-9010 | |
| 5 | 3/4" x 3/4" Elbow | 003-EL3434 | 1 | 12 | #6 Hose Clamp | 003-9003 | |
| 6 | #10 Hose Clamp | 003-9004 | 2 | 13 | Small Jiffy Clip | 008-9009 | |
| 7 | 3/4" x 3/4" Straight | 003-A3434 | 1 | | | | |
| | Fitting | | | | | | |

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





Optional Harvest Tec Display Kit (030-7670DK)





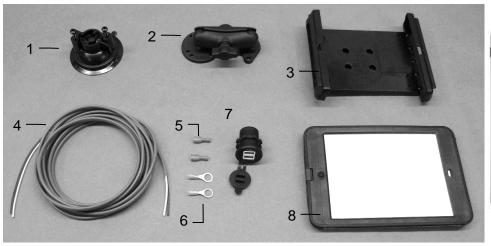
| Ref | <u>Description</u> | Part # | Qty |
|-----|---------------------|-------------|-----|
| 1 | Suction Cup Mount | 001-2012SCM | 1 |
| 2 | Ram Mount | 001-2012H | 1 |
| 3 | Harvest Tec Display | 006-765GVT | 1 |
| 4 | Display Harness | 006-765GH | 1 |
| 5 | Mounting Plate | 001-700GH | 1 |
| NP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

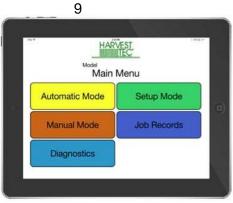
Installation Instructions

- 1. Identify 006-765GH harness connection to 006-765IC tractor harness.
- 2. Connect harness to the Harvest Tec Display before tightening into place.
- 3. Tighten the mounting and display. Streamline harness, as necessary.
- 4. 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 iPad Display Kit (030-4670DK)





| Ref | Description | Part # | Qty | Ref | <u>Description</u> | Part # | Qty |
|-----|---------------------------------------|-------------|-----|-----|------------------------|------------|-----|
| 1 | Suction cup mount | 001-2012SCM | 1 | 7 | iPad Mini Charger 12V | 001-2012P | 1 |
| 2 | Ram mount | 001-2012H | 1 | 8 | iPad Mini 4 case | 001-2012C4 | 1 |
| 3 | iPad Mini spring load cradle (Mini 4) | 001-2012SLC | 1 | 9 | iPad Mini 4 | 006-2670IP | 1 |
| 4 | 16 gauge power wire | 006-4723P | 1 | NP | 4 amp fuse | Hardware | 1 |
| 5 | Female spade connector | Hardware | 2 | | | | |
| 6 | Eye loop connector | Hardware | 2 | Com | plete iPad Display Kit | 030-4670 | ΣK |
| | | | | Mou | nting Kit Only (1-8) | 030-2014 | ЛK |

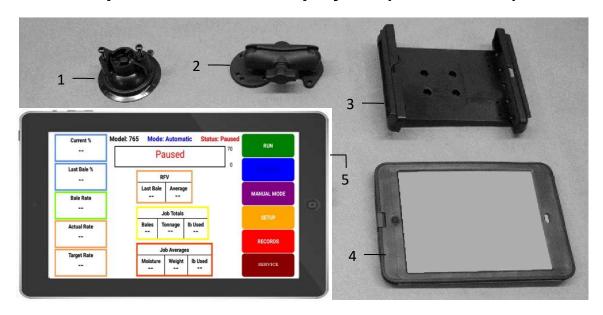
Installation Instructions

- 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.

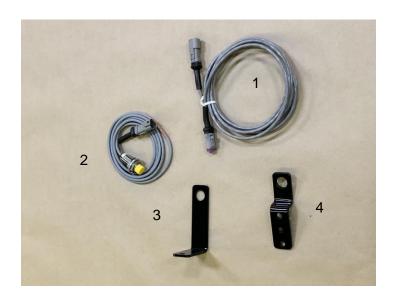
*iPad mini is a trademark of Apple Inc., registered in the U.S. and other countries.

Optional Android Display Kit (030-1670DK)



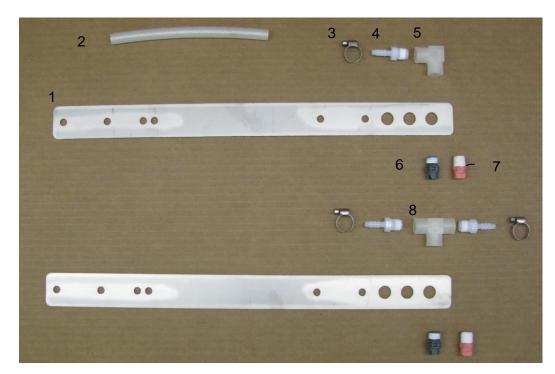
| Ref | <u>Description</u> | Part # | Qty |
|-----|--|-------------|-----|
| 1 | Suction Cup Mount | 001-2012SCM | 1 |
| 2 | Ram Mount | 001-2012H | 1 |
| 3 | iPad Mini® Spring Load Cradle (Mini 2) | 001-2012SLC | 1 |
| 4 | Android Case | 001-2012A1 | 1 |
| 5 | Android Tablet | 006-1670AT | 1 |

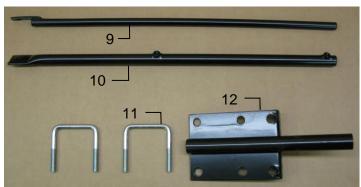
Optional Stroke Counter Kit 030-0700SCK



| Ref | <u>Description</u> | Part # | <u>Qty</u> | <u>Ref</u> | <u>Description</u> | Part # | <u>Qty</u> |
|-----|--------------------------|-------------|------------|------------|-----------------------|------------|------------|
| 1 | 10' EXT HARNESS | 006-7401EXT | 1 | 3 | SC BRACKET INLINE SSQ | 001-4648SI | 1 |
| 2 | SENSOR W/DEUTSCH PLUG | 006-7401 | 1 | 4 | BALE SENSOR BKT | 001-4648RB | 1 |

Model 4409C Installation Kit

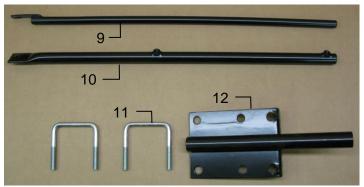




| Ref | <u>Description</u> | Part # | Qty | Ref | Description | Part # | Qty |
|-------|------------------------------|--------------|-----|-----|---|-----------------------|------------|
| 1 | Nozzle Holder | 001-4215 | 2 | 8 | 1/4" Tee Sq | 003-TT14SQ | 1 |
| 2 | 1/4" Hose | 003-9016 | 3 | 9 | Reach Rod – Outside | 001-4404 | 1 |
| 3 | Mini Hose Clamp | 003-9002 | 3 | 10 | Reach Rode – Inside | 001-4405 | 1 |
| 4 | 1/4" x 1/4" Straight Fitting | 003-A1414 | 3 | 11 | 1/2" x 4" U-Bolt | 001-4406A | 2 |
| 5 | 1/4" Female Street Elbow | 003-SE14F | 1 | 12 | Base Bracket | 001-4406 | 1 |
| 6 | Tip* – High Output | 004-T6504-PT | 2 | | | | |
| 7 | Tip* – Low Output | 004-T6501-PT | 2 | | | | |
| | | | | | hield Only (Ref 1-8) | 030-4409C-SO | |
| * Tip | o color subject to change | | | | k Mount Kit (Ref 9-12) Complete Assembly | TMK-4401 030-4409C | |

Model 4410C Installation Kit



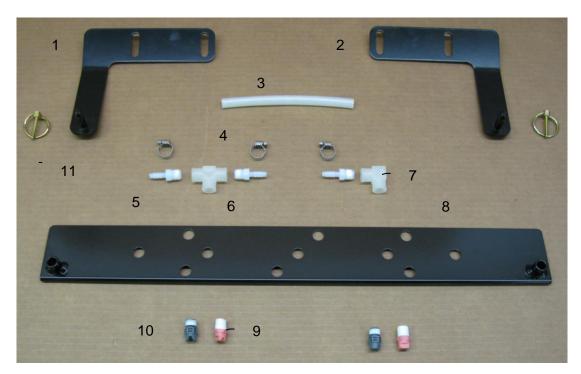


| Ref | <u>Description</u> | Part # | Qty | Ref | <u>Description</u> | Part # | Qty |
|-----|------------------------------|-------------|-----|-----|-----------------------|--------------|-----|
| 1 | 1/4" Hex Plug | 003-F14 | 1 | 7 | Tip* – Low Output | 004-T6501-PT | 2 |
| 2 | Shield Manifold Block | 001-4435NSB | 2 | 8 | Tip* – High Output | 004-T6504-PT | 2 |
| 3 | Nozzle Holder SS Block | 001-4426A | 1 | 9 | Reach Rod – Outside | 001-4404 | 1 |
| 4 | 1/4" Hose | 002-9016 | 1 | 10 | Reach Rode – Inside | 001-4405 | 1 |
| 5 | 1/4" x 1/4" Straight Fitting | 003-A1414 | 3 | 11 | Base Bracket | 001-4406 | 1 |
| 6 | Mini Hose Clamp | 003-9002 | 3 | 12 | 1/2" x 4" UBolt | 001-4406A | 2 |
| * T | ip color subject to change | | | S | Shield Only (Ref 1-8) | 030-4410C-SO | |

Tank Mount Kit (Ref 9-12)
Complete Assembly

TMK-4401 030-4410C

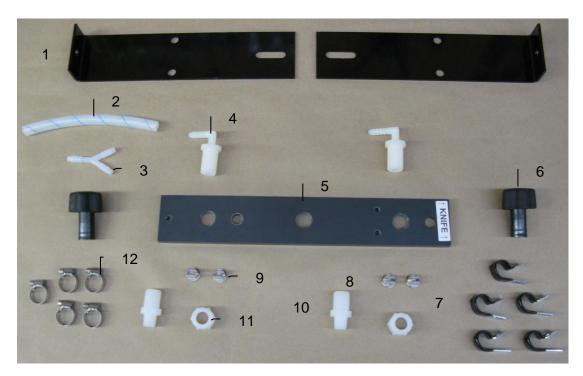
Model 4412C Installation Kit

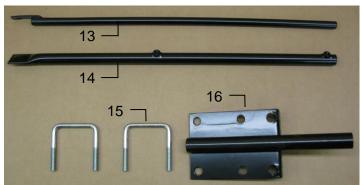




| Ref | Description | Part # | Qty | Ref | Description | Part # | Qty |
|-----|------------------------------|------------|-----|------|-------------------------|--------------|-----|
| 1 | Left Mounting Bracket | 001-4436DL | 1 | 9 | Tip* – Low Output | 004-T6501-PT | 2 |
| 2 | Right Mounting Bracket | 001-4436DR | 1 | 10 | Tip* – High Output | 004-T6504-PT | 2 |
| 3 | 1/4" Hose | 002-9016 | 1 | 11 | 3/16" Lynch Pin | 008-4576 | 1 |
| 4 | Mini Hose Clamp | 003-9002 | 3 | 12 | Reach Rod – Outside | 001-4404 | 1 |
| 5 | 1/4" x 1/4" Straight Fitting | 003-A1414 | 3 | 13 | Reach Rode – Inside | 001-4405 | 1 |
| 6 | 1/4" Sq Tee | 003-TT14SQ | 1 | 14 | 1/2" x 4" UBolt | 001-4406A | 2 |
| 7 | 1/4" Female St Elbow | 003-SE14F | 1 | 15 | Base Bracket | 001-4406 | 1 |
| 8 | Tip Holder Spray Shield | 001-4810 | 1 | | | | |
| | | | | SI | hield Only (Ref 1-11) | 030-4412C-SO | |
| * T | ip color subject to change | | | Tanl | k Mount Kit (Ref 12-15) | TMK-4401 | |
| | | | | (| Complete Assembly | 030-4412C | |

Model 4415C Installation Kit



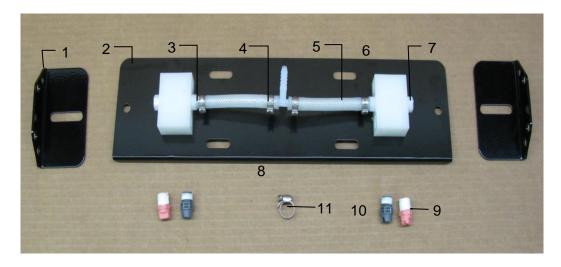


| Ref | Description | Part # | Qty | Ref | Description | Part # | Qty |
|-------------------------------|------------------------|--------------|-----|-----------------------|---------------------|--------------|-----|
| 1 | Hose Support | 001-4425B | 2 | 8 | Tip* – Low Output | 004-11001-SS | 2 |
| 2 | 1/4" Hose | 002-9016 | 3 | 9 | Tip* – High Output | 004-11004-SS | 2 |
| 3 | Y Fitting | 003-Y1414 | 1 | 10 | 1/4" Drill Guide | 003-M3814NB | 1 |
| 4 | 1/4" Nozzle Body Elbow | 003-EL3814NB | 2 | 11 | Nozzle Cap | 003-BC12 | 2 |
| 5 | Hay Guard Shield | 001-4425C | 1 | 12 | Mini Hose Clamp | 003-9002 | 5 |
| 6 | SS Manifold Knob | 008-0925 | 2 | 13 | Reach Rod – Outside | 001-4404 | 1 |
| 7 | 477 Jiffy Clips | 008-9014 | 5 | 14 | Reach Rode – Inside | 001-4405 | 1 |
| | • • | | | 15 | 1/2" x 4" UBolt | 001-4406A | 2 |
| | | | | 16 | Base Bracket | 001-4406 | 1 |
| * Tip color subject to change | | | Sh | nield Only (Ref 1-12) | 030-4415C-SO | | |

^{*} Tip color subject to change

| Shield Only (Ref 1-12) | 030-4415C-S0 |
|----------------------------|--------------|
| Tank Mount Kit (Ref 13-15) | TMK-4401 |
| Complete Assembly | 030-4415C |

Model 4416C Installation Kit







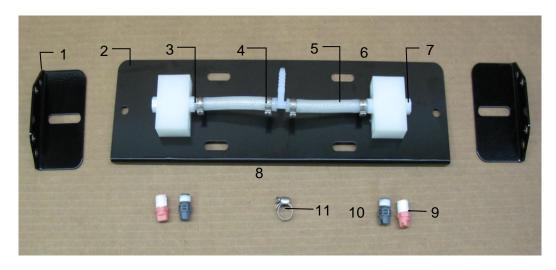
| <u>Ref</u> | <u>Description</u> | Part # | Qty | <u>Ref</u> | <u>Description</u> | Part# | Qty |
|------------|-----------------------|-------------|------------|------------|--------------------|--------------|------------|
| 1 | Spray Shield Holders | 001-4424B | 2 | 8 | 1/4" Tee | 003-T1414 | 1 |
| 2 | Spray Shield | 001-4424A2 | 1 | 9 | Tip* - Low Output | 004-T6501-PT | 2 |
| 3 | 1/4" Straight Fitting | 003-A1414 | 2 | 10 | Tip* - High Output | 004-T6504-PT | 2 |
| 4 | 1/2" Otiker Clamp | 003-9008 | 4 | 11 | Mini Hose Clamps | 003-9002 | 1 |
| 5 | 1/4" Hose | 002-9016 | 1 | 12 | Saddle Legs | 001-4703Q | 2 |
| 6 | Manifold Block | 001-4435NSB | 2 | 13 | Kicker Bracket | 001-4703QC | 1 |
| 7 | Hex Plug | 003-F14 | 2 | | | | |

^{*} Tip color subject to change

Shield Only (Ref 1-11)
Tank Mount Kit (Ref 12-13)
Complete Assembly

030-4416C-SO TMK-4416 030-4416C

Model 4417C Installation Kit



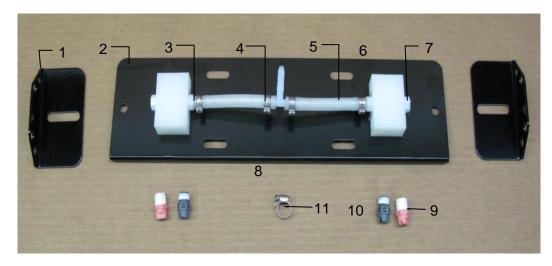


| Ref | Description | Part # | Qty | <u>Ref</u> | Description | Part# | Qty |
|-----|-----------------------|-------------|------------|------------|--------------------|--------------|-----|
| 1 | Spray Shield Holders | 001-4424B | 2 | 8 | 1/4" Tee | 003-T1414 | 2 |
| 2 | Spray Shield | 001-4424A2 | 1 | 9 | Tip* - Low Output | 004-T6501-PT | 2 |
| 3 | 1/4" Straight Fitting | 003-A1414 | 2 | 10 | Tip* - High Output | 004-T6504-PT | 2 |
| 4 | 1/2" Otiker Clamp | 003-9008 | 4 | 11 | Mini Hose Clamps | 003-9002 | 1 |
| 5 | 1/4" Hose | 002-9016 | 1 | 12 | Support Bracket | 001-4703QU | 1 |
| 6 | Manifold Block | 001-4435NSB | 2 | 13 | U-Bolt | 001-4703QUX | 2 |
| 7 | Hex Plug | 003-F14 | 2 | 14 | U-Bolt Base | 001-4703QUB | 2 |

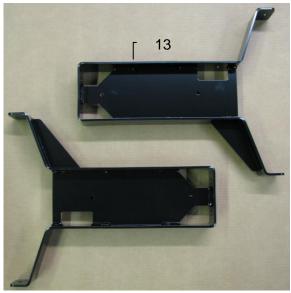
^{*} Tip color subject to change

Shield Only (Ref 1-11) 030-4416C-SO Tank Mount Kit (Ref 12-13)

Model 4485C Installation Kit







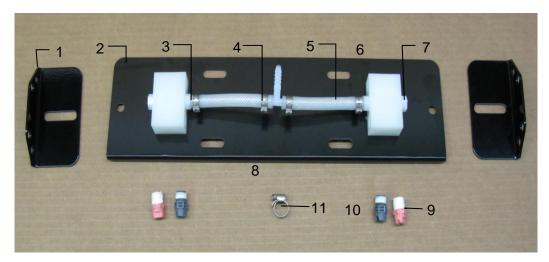
| <u>Ref</u> | <u>Description</u> | Part # | Qty | <u>Ref</u> | <u>Description</u> | Part # | <u>Qty</u> |
|------------|-----------------------|-------------|------------|------------|--------------------|--------------|------------|
| 1 | Spray Shield Holders | 001-4424B | 2 | 8 | 1/4" Tee | 003-T1414 | 1 |
| 2 | Spray Shield | 001-4424A2 | 1 | 9 | Tip* – Low Output | 004-T6501-PT | 2 |
| 3 | 1/4" Straight Fitting | 003-A1414 | 2 | 10 | Tip* – High Output | 004-T6504-PT | 2 |
| 4 | 1/2" Otiker Clamp | 003-9008 | 4 | 11 | Mini Hose Clamps | 003-9002 | 1 |
| 5 | 1/4" Hose | 002-9016 | 1 | 12 | Support Bracket | 001-4424C | 2 |
| 6 | Manifold Block | 001-4435NSB | 2 | 13 | 55 Gal Long Leg | 001-4703B | 2 |
| 7 | Hex Plug | 003-F14 | 2 | | | | |

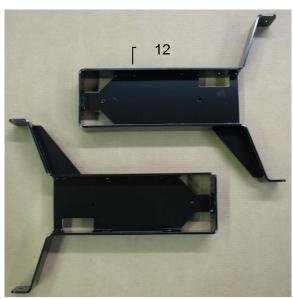
^{*} Tip color subject to change

Shield Only (Ref 1-11) Tank Mount Kit (Ref 12-13) Complete Assembly

030-4416C-SO TMK-4485 030-4485C

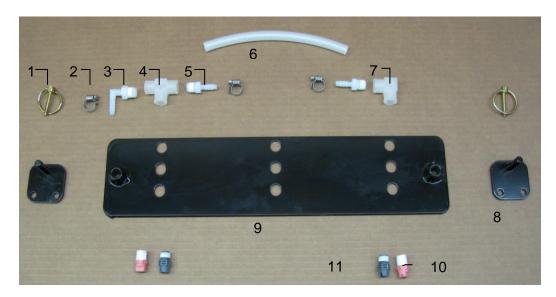
Model 4502C Installation Kit

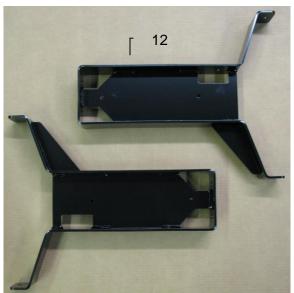




| Ref | Description | Part # | Qty | Ref | Description | Part # | Qty |
|-----|------------------------------|------------|------------|-----|---|------------------------|------------|
| 1 | 3/16" Lynch Pin | 008-4576 | 2 | 8 | Shield Holder | 001-47031 | 2 |
| 2 | Mini Hose Clamp | 003-9002 | 3 | 9 | Spray Shield | 001-4703G | 1 |
| 3 | 1/4" x 1/4" Elbow | 003-EL1414 | 1 | 10 | Tip* – Low Output | 004-T6501-PT | 2 |
| 4 | 1/4" Tee Sq | 003-TT14SQ | 1 | 11 | Tip* – High Output | 004-T6504-PT | 2 |
| 5 | 1/4" x 1/4" Straight fitting | 003-A1414 | 2 | 12 | 55 Gal Long Leg | 001-4703B | 2 |
| 6 | 1/4" Hose | 002-9016 | 1 | | | | |
| 7 | 1/4" Female Street Elbow | 003-SE14F | 1 | | | | |
| * T | ip color subject to change | | | Shi | eld Only (Ref 1-11) | 030-4502C- SO | |
| | | | | | k Mount Kit (Ref 12) complete Assembly | TMK-4703B 030-4502C | |

Model 4506C Installation Kit



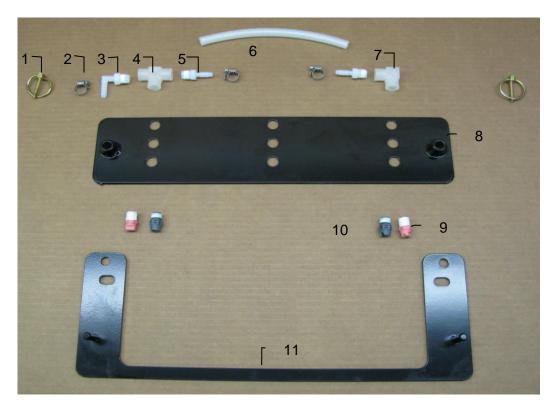


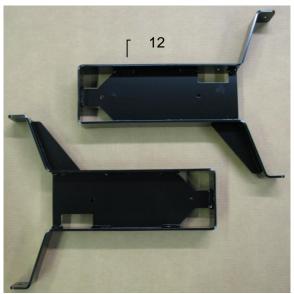
| Ref | <u>Description</u> | Part # | Qty | Ref | <u>Description</u> | Part # | Qty |
|-----|------------------------------|------------|-----|-----|--------------------|--------------|-----|
| 1 | 3/16" Lynch Pin | 008-4576 | 2 | 8 | Shield Holder | 001-4703H | 2 |
| 2 | Mini Hose Clamp | 003-9002 | 3 | 9 | Spray Shield | 001-4703G | 1 |
| 3 | 1/4" x 1/4" Elbow | 003-EL1414 | 1 | 10 | Tip* – Low Output | 004-T6501-PT | 2 |
| 4 | 1/4" Tee Sq | 003-TT14SQ | 1 | 11 | Tip* – High Output | 004-T6504-PT | 2 |
| 5 | 1/4" x 1/4" Straight fitting | 003-A1414 | 2 | 12 | 55 Gal Long Leg | 001-4703B | 2 |
| 6 | 1/4" Hose | 002-9016 | 1 | | | | |
| 7 | 1/4" Female Street Elbow | 003-SE14F | 1 | | | | |

^{*} Tip color subject to change

Shield Only (Ref 1-11) 030-4506C-SO
Tank Mount Kit (Ref 12-15) TMK-4703B
Complete Assembly 030-4506C

Model 4507C Installation Kit





| Ref | <u>Description</u> | Part # | <u>Qty</u> | Ref | <u>Description</u> | Part # | <u>Qty</u> |
|-------------------|------------------------------|------------|------------|-----|--|---------------------------|------------|
| 1 | Lynch Pin | 008-4576 | 2 | 8 | Spray Shield | 001-4703G | 1 |
| 2 | Mini Hose Clamp | 003-9002 | 3 | 9 | Tip* – Low Output | 004-T6501-PT | 2 |
| 3 | 1/4" x 1/4" Elbow | 003-EL1414 | 1 | 10 | Tip* – High Output | 004-T6504-PT | 2 |
| 4 | 1/4" Tee Sq | 003-TT14SQ | 1 | 11 | Shield Holder | 001-4703J | 2 |
| 5 | 1/4" x 1/4" Straight Fitting | 003-A1414 | 2 | 12 | 55 Gal Long Leg | 001-4703B | 2 |
| 6 | 1/4" Hose | 002-9016 | 1 | | | | |
| 7 | 1/4" Female Street Elbow | 003-SE14F | 1 | | | | |
| * Ti _l | o color subject to change | | | | nield Only (Ref 1-11) nk Mount Kit (Ref 12) | 030-4507C-SO TMK-4703B | |

Complete Assembly

030-4507C

Notes

Notes

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 1-800-635-7468 Fax: 715-381-1792

Email: info@harvesttec.com