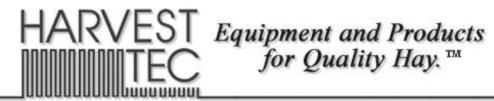
# **Installation Manual**



25 & 55 Gallon Preservative Applicator



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# Model Reference

Baler Make	Baler Model	Model Number	Installation Kit	Tank Size
Case IH	SBX530 - SBX550 & SB531 – SB551 square balers	440	4415-SO	55 gallon
Case IH	Four-foot RBX & RB round balers	442	442-SO	25 gallon
Case IH	Five-foot RBX & RB round balers	442	442-SO	55 gallon
Case IH	SBX 520 square baler	441	4409	25 gallon
Case IH	SBX530 - SBX550 & SB531 – SB551 square balers	441	4415	25 gallon
Case IH	All inline balers	441	4485	55 gallon
Case IH	2002 and older round balers	441	4484	25 gallon
Challenger	RB34 – RB56	441	4484	25 gallon
Challenger	RB 46 & 56	448	4508	55 gallon
Challenger	453, 463 & 563	448	4524	55 gallon
Freeman	330, 370, 380 & 385	448	4506	55 gallon
John Deere	All square balers	441	4410	25 gallon
John Deere	582 & 854	448	4503	55 gallon
John Deere	5, 6 & 7 series	441	4483	25 gallon
John Deere	5, 6 & 7 series	448	4504	55 gallon
John Deere	8, 9 & 0 series	441	4516	25 gallon
John Deere	8, 9 & 0 series	448	4517	55 gallon
John Deere	0 series w/HC2 Cutter	441	4546	25 gallon
John Deere	O series w/HC2 Cutter	448	4547	55 gallon
John Deere	410-510 & 430-530 round balers	441	4484	25 gallon
Krone	All Krone round balers	441	4484	25 gallon
Kubota	BV4160, BV4180, BV5160	441	4481	25 gallon
New Holland	Four-foot BR round balers	442	442-SO	25 gallon
New Holland	Five-foot BR round balers	442	442-SO	55 gallon
New Holland	570 - 580 & BC5060-BC5080 square balers	440	4415-SO	55 gallon
New Holland	200 & 300 series, 565 square balers	441	4409	25 gallon
New Holland	570 - 580 & BC5060-BC5080 square balers	441	4415	25 gallon
New Holland	640-688 round balers	441	4486	25 gallon
New Holland	630-638 round balers	441	4484	25 gallon
New Holland	BB 900 & 585	448	4507	55 gallon
Massey Ferguson	All inline two tie balers- Top Mount	434	4416	55 gallon
Massey Ferguson	All inline two-tie balers- Side Mount	434	4417	55 gallon
Massey Ferguson	1842S – Side Mount	434	4418	55 gallon
Massey Ferguson	All inline three tie balers 800-900 series round balers &	448	4502	55 gallon
Massey Ferguson	5446-5556 & 2646-2766	448	4508	55 gallon
Massey Ferguson	2846-2856A	448	4524	55 gallon
Massey Ferguson	4100 Series	431	4523	20 gallon
Massey Ferguson	1- Series	448	4531	55 gallon
McHale	V660 & F540 - F560 round balers	448	4526	55 gallon
Vermeer	640 & 605 M & Super M	448	4505	55 gallon
Vermeer	Rebel series	441	4484	25 gallon
Vermeer	404, 504 & 604 Pro	431	4523	20 gallon
Vermeer	604R Premium	448	4549	55 gallon
Other	Small square balers	441	4409	25 gallon
Other	Round balers	441	4484	25 gallon

#### Introduction

Congratulations and thank you for purchasing a Harvest Tec preservative applicator. Please read this manual carefully to ensure correct steps are followed to attach the applicator to the baler. This applicator is designed to apply Harvest Tec buffered acid. The use of other products in this applicator system may cause complications with the system components and will result in the warranty being voided. The model 431, 434, 440, 441, 442 & 448 base kits includes the following parts: tank, frame, pump, gauge, hose, electronic control box, and miscellaneous hardware.

The applicator can be installed on most balers with the proper installation kit. Before installing the unit on the baler, make sure you have the proper installation kit. (See model reference guide.) If you are unsure about your installation kit, contact your local dealer for specifications. This applicator system is crop eye compatible (Nov. 2003 and newer.) For your convenience we have included a parts break down in the back of this manual for system components and installation kits.

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

#### **Tools Needed**

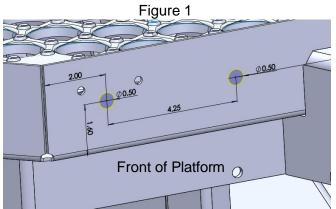
SAE wrench set Standard screw driver Crescent wrench 1-1/2" hole saw (4415 install only) Side cutter Hose cutter Hammer Measuring tape SAE socket set Drill bit set Center punch Metric socket set

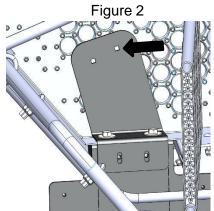
# Installation of Applicator

# 1. Installation of Mounting Brackets and Tank

# Model 431 - Install Kit 4523

On the front platform of the baler mark the holes as indicated in figure 1. Locate the platform bracket (001-4705C) and position on the top of the platform as shown in figure 2. Using the bracket as a template to mark the location, drill two 5/16" (8mm) holes in the front of the platform and the top of the platform using the dimensions shown. Using the carriage bolts and washers in parts bag 19 loosely secure the two back mounting holes as indicated by the arrow in figure 2.





Locate the tank mounting frame (001-4705B) and the support plate (001-4705D) and position as shown in figure 3. The arrow indicates the position of the support plate secure with 1/2" bolts. \*Note: The tank mounting frame bracket will be secured to the tank bracket (001-4705A) and the tank (005-4705T) for shipping. Tank may need to be removed to install bolts to mount pump assembly.

Use 3/8" bolts to secure the mounting frame to the platform bracket on the top, as well as bottom of the frame. Be sure the bolt goes through the front of the platform and the platform bracket shown in figure 4.

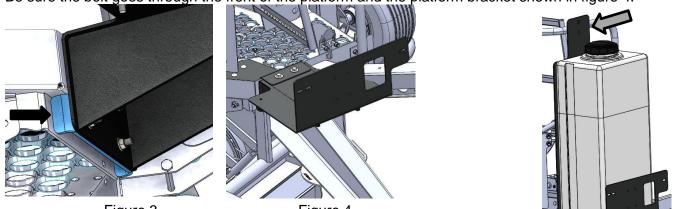




Figure 4

Figure 5

Secure the tank frame bracket (001-4705A) to the platform safety rail with the supplied U-Bolt (001-4714UBS) indicated by the arrow in figure 5.

**Reach Rods-** For added tank stability, attach and secure telescoping reach rods. Reach rod placement is at the discretion of the installer to determine the most suitable baler attachment points. Bolt one end of each reach rod to the upper tank support bracket and the other ends to secure locations on the baler. Reach rods tabs may have to be bent to align properly. Once final rod lengths are determined, remove the set screw bolts and mark inner reach rods through the set screw bolt hole. Unbolt and remove inner reach rods - using a 3/8" bit drill approximately 1/4" deep into the inner reach rods at your mark to create a stop for the set screw bolt to embed into. Reassemble the telescoping reach rods and tighten set screw bolt. Secure all reach rod hardware with nuts, washers and lock washers included with hardware.

# Model 434 – Top Mount Installation Kit 4416

Tank legs will be mounted to the back side of the baler behind knotters and before the bale tensioner (figure 1).

Using figure 2 as a reference, mark the two holes on each side of bale chamber that need to be drilled. Line up saddle leg on each side to verify holes before drilling, show in figure 3. Drill all four holes to 1/2" (13mm).

Bolt legs to baler with 1/2" x 1 3/4" Allen button head bolts, flat washer, Lock washer, and nuts. \*Note: bolt head is on inside of bale chamber. Level top of leg before completely tightening bolts, figure 4.

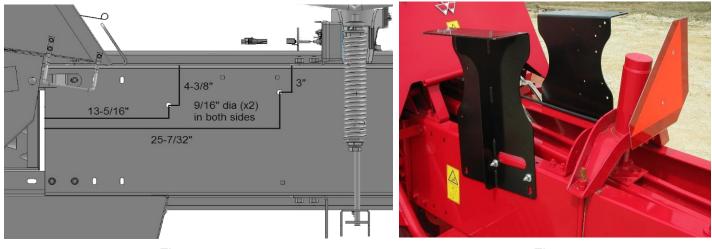
## **Bale Thrower - Additional Bracket**

When baler is equipped with a bale thrower, bracket (001-4703QC) will need to be used. First secure the kicker so it will not rotate when you remove the front pin on the hydraulic cylinder. Remove pin, Install tank leg over mount. Reinstall pin. Use part 001-4703QC which is a spacer that will go between the leg and side of the baler to take up the space the throwers front hydraulic mount adds.



Figure 1

Figure 2







#### Model 434 (continued)

#### Saddle & Tank

Mount tank saddle (001-4703X) onto tank legs as shown in figure 5. Bolts are pre-installed on saddle, secure with 1/2" locks, washers, and nuts.



Figure 5

#### Model 434 - Side Mount Tank Mounting Instructions for Massey 1800 Series (4417 & 4418 Install Kits)

- 1. Lay tank and frame assembly on ground next to bale chute on right side of baler.
- Locate "U" bolts and install them around center hitch tube of baler. Hitch tube size may vary, kit may
  include two size options for U-Bolts. Attach to legs of tank frame. Do not fully tighten down nuts.
  Note: Tube is not parallel to the ground so you will need to offset "U" bolts in frame.
- 3. Rotate tank assembly up and check to see if saddle is parallel to ground. If not adjust holes "U" bolts are installed into.
- 4. Install rear mount (001-4703QU or 001-4703QT for 1842S balers) just in front of "U" bracket on bottom of the bale chamber. You will need to drill 9/16" holes 13 ½" from rear of bale chute. Secure to baler with two ½" x 1 ¾" BHSC bolts, locks and nuts.
- 5. Slide tank and saddle frame on pipe to match up with rear mount (001-4703QU or 001-4703QT) Install two ½" x 1 ½" bolts, flat washers, lock washers and nuts.
- 6. Place second mount (001-4703QU or 001-4703QT) on front leg of tank saddle and mount to baler the same way as rear mount.
- 7. Check frame again so it is parallel to ground. Tighten down all bolts fully.
- 8. Attach pump.
  - a. For Automatic systems mount pump plate to outside edge.
  - b. For Electronic and manual systems mount pump on rear of saddle.



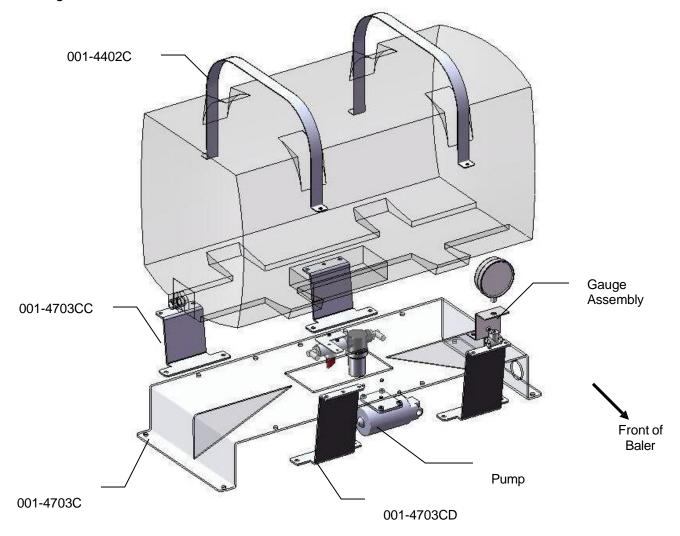
Locate parts bag 12. Locate the saddle (001-4703C) and the four strap bases. Mount the two long strap bases (001-4703CD) to the front of the saddle and the two short (001-4703CC) to the back using 3/8" x 1-1/4" bolts, locks, and nuts. NOTE: The front side will have four pre-drilled holes to attach the pump. Make sure the bolts point down to prevent damage to the tank.

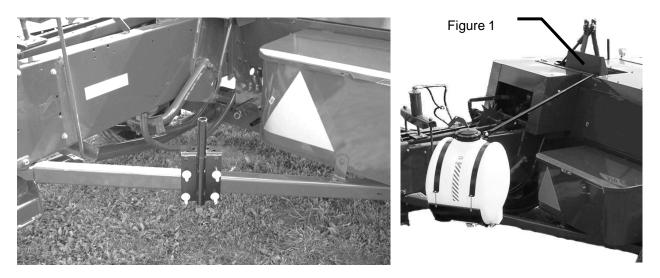
Locate the filter holder (001-4703CH) and mount to the tank using 1/4" x 1" bolts, locks, and nuts.

Mount the gauge on the front right strap. The bracket will be held with one 1" x 3/8" bolt, lock and nut on the right side. The bolt going through the strap will hold the left side of the bracket.

Install the tank fitting into the bottom of the tank (003-EL3412) and mount the tank on top of the saddle and between the strap bases. When facing the front of the tank, make sure the side tank fitting is on the left.

Locate the two straps (001-4402C). Position the straps over the top of the tank and secure with four 5/16" x 2-1/2" bolts and eight nuts. All of the strap bolts need to have double nuts. Mount the door strap on a back strap base using the 1/4" x 1-1/2" bolt, flats and lock nut.





# Install Kits 4409, 4410, and 4415

Mount the unit on the diagonal frame behind the twine box, as pictured using the base clamp (001-4406) and U-bolts (001-4406A). Locate the top reach rod (Figure 1) in a position opposing the overhanging tank. Bolt one end to the top stub pipe on the tank saddle and the other end to a secure location on the baler. Reach rods tabs may have to be bent to align properly. Once final rod lengths are determined, remove the set screw bolts and mark inner reach rods through the set screw bolt hole. Unbolt and remove inner reach rods - using a 3/8" bit drill approximately 1/4" deep into the inner reach rods at your mark to create a stop for the set screw bolt to embed into. Reassemble the telescoping reach rods and tighten set screw bolt. Secure all reach rod hardware with nuts, washers and lock washers included with hardware.

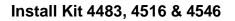
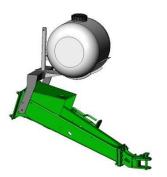




Figure 1

The base bracket straddles the baler's tongue resting up against the tongue's intersection with the baler's cross frame (for 8 Series and older). The bracket is bolted to the baler using three bolts on each side holding the tongue to the cross frame. Replace each of these bolts with the longer bolts provided (for 9 Series only two bolts per side are used). The tank mounting bracket may flex when tightening down bolts because some hitches are welded at different angles. Install the tank on top of the stub pipe; the tank saddle will be secured with the  $1/2^{\circ} \times 1-1/2^{\circ}$  inch hardware. The bottom support plate will attach to the bottom of the saddle and to the front of the mounting bracket. Tighten down and secure all hardware.

#### Install Kit 4483, 4516 & 4546 (continued)

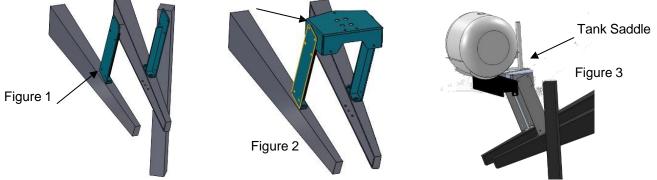




#### Install Kit 4481

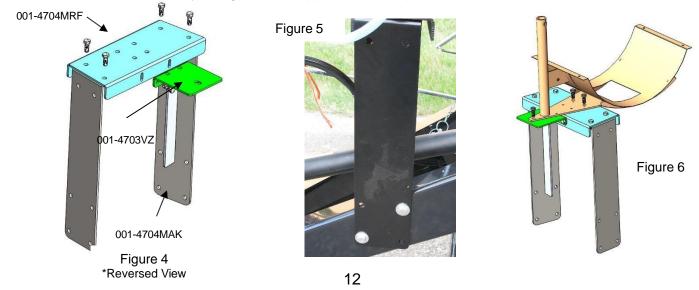
Using the one pre-drilled holes next to the baler jack on top of the baler tongue, mount one side support leg (001-4704MAK). Drill second hole to align with support leg hole. Both holes will need to be drilled out to have a 9/16" diameter. Secure with  $1/2" \ge 11/2"$  bolts, (pre-drilled holes will need to be drilled out to have a 9/16" diameter). Repeat process on opposite side of baler tongue as shown in figure 1. After side supports are secured, mount top tank support (001-4704MK) as show in figure 2 using three  $1/2" \ge 11/2"$  bolts per side. Mount tank saddle (001-4401) using three  $1/2" \ge 11/2"$  bolts onto top support as show in figure 3.

\*Note: Installing pump plate mounting bracket (001-4646C) as shown in figure 3 onto the front of the top tank support (001-4704MK) prior to installation of tank saddle will make pump manifold install easier. Refer to pump manifold installation instructions for details.



#### Install Kit 4482

Locate the tank mounting legs (001-4704MAK) the top support bracket (001-4704MRF) the front mount plate (001-4703VZ) and assemble as show in figure 4. Assemble the parts together as shown using the supplied bolts. Point the assembled bracket with the 001-4703VZ toward the baler. Move the tank legs toward the baler until the width of the tongue matches the width of the legs (shown in figure 5). Ensure the assembly is positioned upright, drill the holes and secure. Attach the tank saddle to the assembly as shown in figure 3. Secure the tank to the saddle by using the two supplied tank straps.



# Model 441 (continued)



# Install Kit 4484

Figure 1

Locate the base bracket (Figure 1 on the baler's tongue or cross frame. Care must be taken to make sure the applicator will be clear of the balers moving parts and the rear wheels of the tractor. Line up the bracket with any existing holes, drill new if necessary. The bracket will be secured with four 1/2" bolts. Mount the tank on top of the stub pipe. Secure with the 1/2" x 1-1/2" inch bolt and hardware.

Reach rod placement is at the discretion of the installer to determine the most suitable baler attachment points. Bolt one end of each reach rod to the upper stub pipe and the other ends to secure locations on the baler. Reach rods tabs may have to be bent to align properly. Once final rod lengths are determined, remove the set screw bolts and mark inner reach rods through the set screw bolt hole. Unbolt and remove inner reach rods using a 3/8" bit drill approximately 1/4" deep into the inner reach rods at your mark to create a stop for the set screw bolt to embed into. Reassemble the telescoping reach rods and tighten set screw bolt. Secure all reach rod hardware with nuts, washers and lock washers included with hardware.



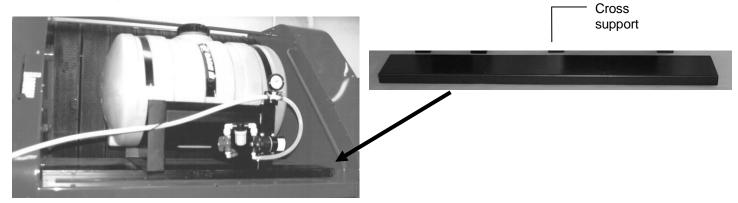
# Install Kit 4486

Locate the mounting bracket (Figure 2) on the front of the baler's tongue where it joins the hitch acceptor. Use the 5/8" bolts included to join the two parts of the baler. Orient the bracket so the two holes on top of the bracket will face away from the baler, this will allow the applicator to face rearward. Install the tank on top of the mounting bracket using two 1/2" x 1-1/2" bolts and hardware. The tank will face towards the baler when installation is complete.

Reach rod placement is at the discretion of the installer to determine the most suitable baler attachment points. Bolt one end of each reach rod to the stub pipe and the other ends to secure locations on the baler. Reach rods tabs may have to be bent to align properly. Once final rod lengths are determined, remove the set screw bolts and mark inner reach rods through the set screw bolt hole. Unbolt and remove inner reach rods - using a 3/8" bit drill approximately 1/4" deep into the inner reach rods at your mark to create a stop for the set screw bolt to embed into. Reassemble the telescoping reach rods and tighten set screw bolt. Secure all reach rod hardware with nuts, washers and lock washers included with hardware.

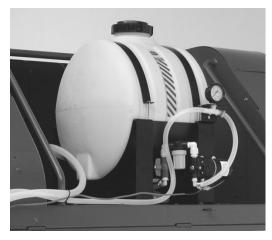
# 55 Gallon Models Only (200L)

Locate parts bag 14. Locate the cross support on the front shelf of the baler as pictured below. It will butt up against the step-up on the shelf and line up flush with its upper surface. Mark and drill a 9/16" (14mm) hole on each side sheet to hold the cross piece in place with two 1/2" x 1-1/4" bolts and secure with lock washers and fender washers provided.



#### 25 & 55 Gallon (100L&200L) Models

Locate parts bag 13. Locate the tank and frame on the shelf. Center it from side to side. On 55-gallon (above) models, the tank positioning going from front to back is set by lining up the front base holes with the holes in the cross support. On 25-gallon (100L) models, line up the front tank legs with the front corner of the baler's shelf (right). Mark and drill all base holes with a 9/16" (14mm) drill. Use the  $\frac{1}{2}$ " x 1 1/4" bolts, lock washers, fender washers, and nuts provided to secure the frame.

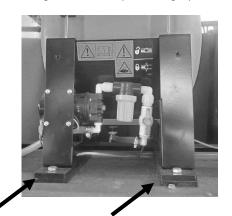


#### 4' Wide CNH Twine Only Baler

When using a 4' wide CNH twine baler the tank saddle could potentially be wider than the front shelf of the baler. If needed there is a tank mounting extension bracket (001-4442B) and tank saddle four spacers available (001-4442S), shown right. Contact your local equipment dealer to order.



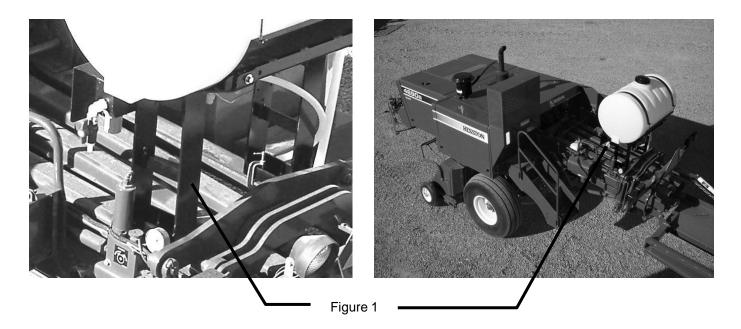
Position the tank bracket spacers under the tank saddle and mark the holes as shown below (bottom left). The tank saddle support bracket will be located 2" in from the back of the tank saddle overhanging the rollers and secured on both sides of the baler using 9/16" bolts (below right).





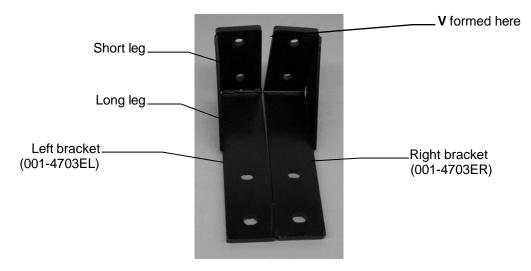
#### Install Kit 4502

Locate parts bag 7. Attach legs part #001-4703B to the tank saddle with  $3/8" \times 1"$  bolts, flat and lock washers. The legs will attach on top of the bale chamber in front of the hydraulic compression area. (Figure 1) You will need to drill four 1/2" (13mm) holes on top of the chamber to mount the tank and frame. Clamp legs on top of the bale chamber, mark the holes and drill. The  $1/2" \times 1-3/4"$  inch allen head carriage bolts will be inserted through the bale chamber along with flat washers so that the carriage head will be inside of the chamber. Secure the Allen head carriage bolts with  $\frac{1}{2}"$  nuts, flat and lock washers.



#### Install Kit 4503 for John Deere 582

Locate parts bag 7. The mounting brackets are L-shaped. There is a right and left bracket enclose in the applicator. This can be determined by setting the right and left bracket next to each other with the longer legs lying flat toward you and the shorter legs pointing up. The short leg of the bracket will either touch each other or angle away from each other. Place the brackets so they angle away from each other and form a V (see below). The bracket on the left is the left bracket and the bracket to the right is the right bracket.

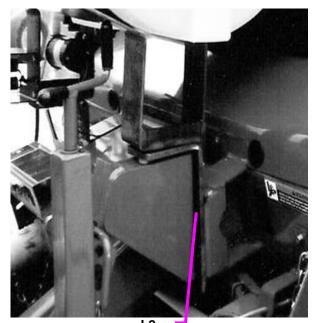


# Install Kit 4503 for John Deere 582 (continued)

Before installing the brackets, the baler tongue must be supported by some means other than the jack (ex. hooked to a tractor). Looking at the baler from the front, the left bracket bolts to the right side of the hitch using two M16 x 55mm bolts, washers, lock washers, and nuts (labeled **L1** below). Short leg of brackets will point toward the front of the hitch. Next remove the two bolts holding the jack assembly to a baler (labeled **L2** below). Insert the right L-bracket between the jack assembly and baler. Bolt together with two M16 x 70mm bolts. Attach the tank legs (001-4703B) to the tank saddle with 3/8" x 1" bolts, locks, nuts, and flat washers. Attach the saddle legs to the mounting bracket with  $\frac{1}{2}$ " X 1 1/2" bolts, locks, nuts, and flat washers.



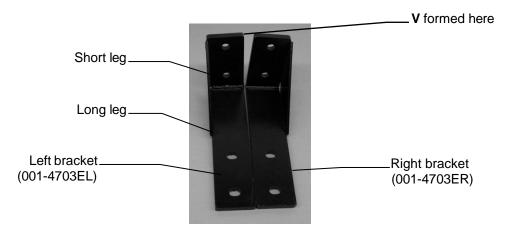
**L1** 001-4703ER



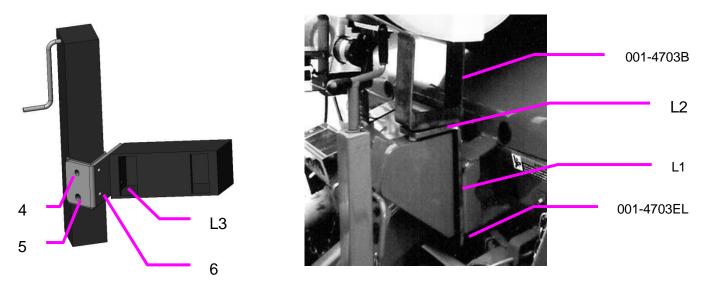
L2 001-4703EL

#### Install Kit 4503 for John Deere 854

Locate parts bag 7. The mounting brackets are L-shaped. There is a right and left bracket enclosed in the applicator. This can be determined by setting the right and left bracket next to each other with the longer legs lying flat toward you and the shorter legs pointing up. The short leg of the bracket will either touch each other or angle away from each other. Place the brackets so they angle away from each other and form a V (see below). The bracket on the left is the left bracket and the bracket to the right is the right bracket.



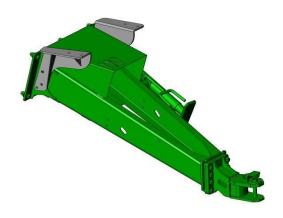
Before installing the brackets, the baler tongue must be supported by some means other than the jack (ex. hooked to a tractor). Looking at the baler from the front, the right bracket bolts to the left side of the hitch using two M16 x 55mm bolts, washers, lock washers, and nuts (labeled **L1** below). Short leg of brackets will point toward the front of the hitch. Next remove the two bolts holding the jack assembly to a baler (labeled **L2** below). Remove the jack from the mounting bracket and install jack extension (001-4703EXT) as shown below (3). Use the supplied hardware to mount the jack to the extension(*hole 4* M16x2mm)(*hole 5* M20x2.5mm)(*hole 6* M12 x 1.75mm), and use the factory jack hardware and mounting plates to mount the extension to the baler. Insert the right L-bracket between the jack assembly and baler. Bolt together with two M16 x 70mm bolts. Attach the tank legs (001-4703B) to the tank saddle with 3/8" x 1" bolts, locks, and flat washers. Attach the with  $\frac{1}{2}$ " X 1 1/2" bolts, locks, nuts and flat washers.



#### Install Kit 4504, 4517, 4547

Attach legs part #001-4703B to the tank saddle with 3/8" x 1" bolts, lock and flat washers. The L-shaped brackets part 001-4703DL and 001-4703DR will attach to the baler with M12 x 45 mm bolts. Three bolts will be used per side on 8 Series balers and two bolts per side with the 9 Series balers. When both sides have been attached place the legs on top of the bracket. The legs will attach to the brackets with 1/2" x 1-1/2" bolts, nuts, flat, and lock washers. Install both sides of legs before tightening down any of the bolts.



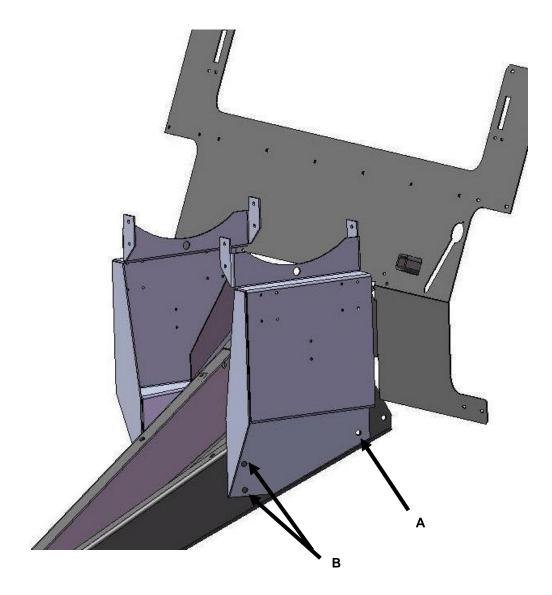






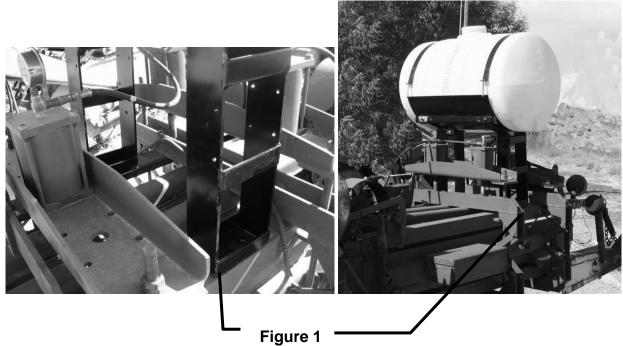
# Install Kit 4505

Locate parts bag 7. Locate legs part #001-4703FL and part #001-4703FR. These legs will attach to the tongue of the baler using the one existing hole per side as shown in figure A. Loosely attach the legs as in figure A and mark the two holes that will need to be drilled (figure B) with a 9/16" bit. Attach legs loosely using the two existing bolts and lock nuts and four 1/2" x 1-1/4" bolt, nuts, locks and flat washers. Install tank and saddle assembly. Tighten all leg hardware after the tank has been installed.



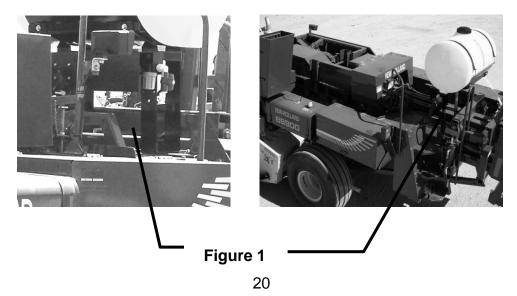
#### Install Kit 4506

Locate parts bag 7. Attach legs part #001-4703B to the tank saddle with  $3/8" \times 1"$  bolts, flat and lock washers. The legs will attach on top of the bale chamber in front of the hydraulic compression area. (Figure 1) You will need to drill four 1/2" (13mm) holes on top of the chamber to mount the tank and frame. Clamp legs on top of the bale chamber, mark the holes and drill. The  $1/2" \times 1-3/4"$  inch Allen head carriage bolts will be inserted through the bale chamber along with flat washers so that the carriage head will be inside of the chamber. Secure the Allen head carriage bolts with  $\frac{1}{2"}$  nuts, flat and lock washers.



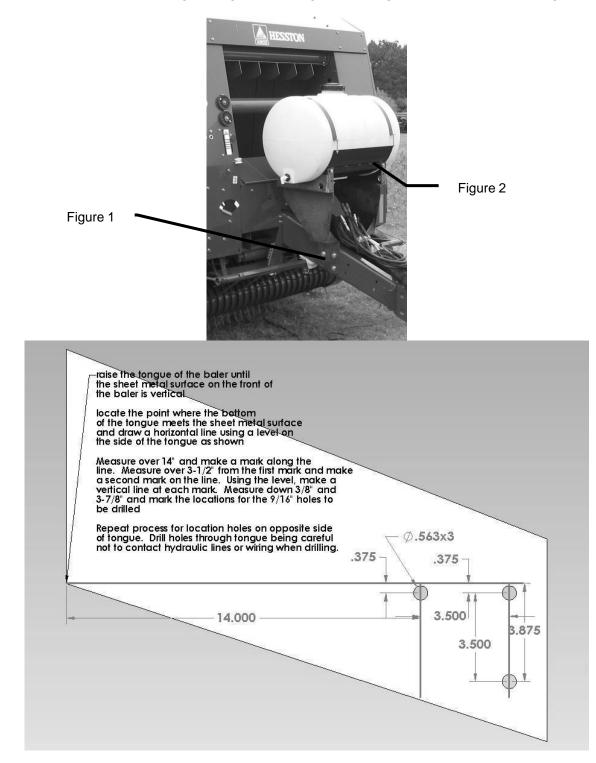
#### Install Kit 4507

Locate parts bag 7. Attach legs part #001-4703B to the tank saddle with 3/8" x 1" bolts, flat and lock washers. The legs will attach on top of the bale chamber in front of the hydraulic compression area. (Figure 1) You will need to drill four 1/2" (13mm) inch holes on top of the chamber to mount the tank and frame. Clamp legs on top of the bale chamber, mark the holes and drill. The 1/2" x 1-3/4" inch Allen head carriage bolts will be inserted through the bale chamber along with flat washers so that the carriage head will be inside of the chamber. Secure the Allen head carriage bolts with 1/2" nuts, flat and lock washers.



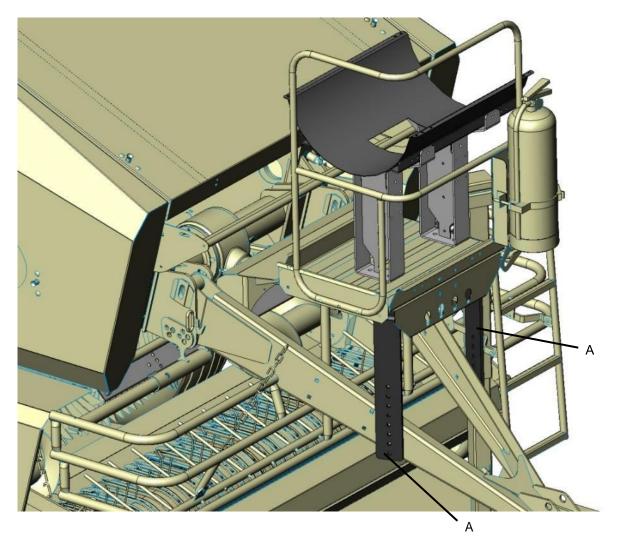
# Install Kit 4508

Locate parts bag 7. Locate legs part #001-4703K and part #001-4703L. Use the diagram below to locate the placement of the holes you need to drill. You will need to drill three 1/2" holes per side of tongue. After drilling the holes you will need to loosely attach the legs to the tongue with 1/2" X 2" bolts with locks, nuts, and flat washers. (Figure 1) Attach the saddle (001-4703) and tank assembly on top of the legs using 3/8" x 1" bolts and lock washers. (Figure 2) Do not tighten down 3/8" bolts all the way. Once saddle is attached to legs tighten down bolts and nuts attaching the legs to the tongue. Now tighten down bolts attaching saddle to legs.



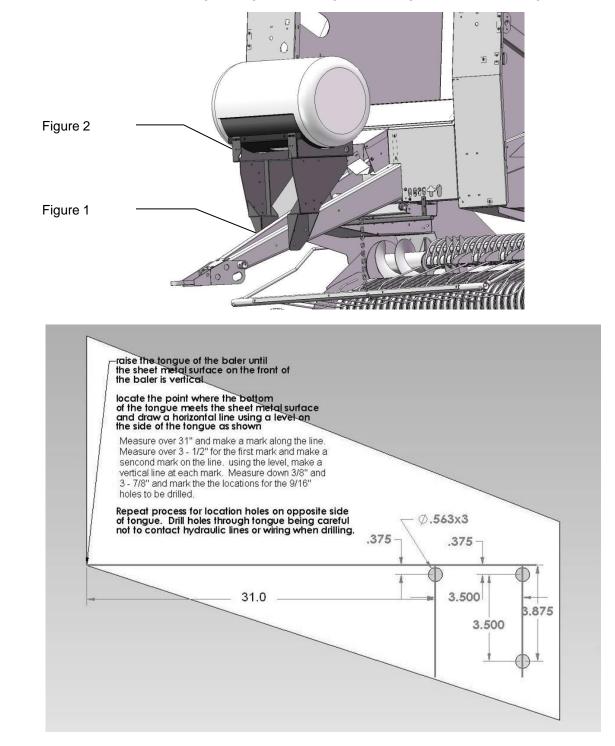
#### Install Kit 4523

Mount the saddle and legs on the baler as shown in the picture below. Push the tank as far forward as possible and mark the four 1/2" (13mm) holes that will need to be drilled. Locate the two support legs (001-4704JR & 001-4704JL) shown below (A). Align the support legs below the tank legs and attach through the baler platform using four 1/2" x 1-1/2" bolts, locks, flats and nuts. Mark and drill four 1/2" (13mm) holes where the support legs (A) meet the baler hitch. Attach the legs to the baler frame using four 1/2" x 1-1/2" bolts, locks, flats and nuts. Tighten all hardware.



#### Install Kit 4524

Locate parts bag 7. Locate legs part #001-4703K and part #001-4703L. Use the diagram below to locate the placement of the holes you will need to drill. You will need to drill three 1/2" (13mm) holes per side of tongue. After drilling the holes you will need to loosely attach the legs to the tongue with 1/2" X 2" bolts with locks, nuts, and flat washers. (Figure 1) Attach the saddle (001-4703) and tank assembly on top of the legs using 3/8" x 1" bolts and lock washers. (Figure 2) Do not tighten down 3/8" bolts all the way. Once saddle is attached to legs tighten down bolts and nuts attaching the legs to the tongue. Now tighten bolts attaching saddle to legs.



#### Install kit 4526

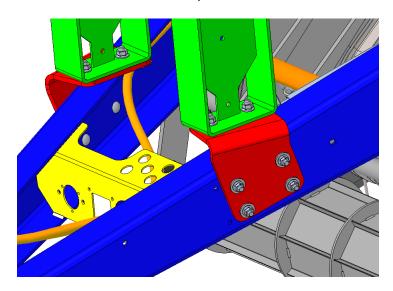
Locate the mounting bracket (001-4704MA). Mount the bracket on the baler hitch and move towards the baler until the mounting bracket contacts both sides of the baler hitch. Mark and drill four 1/2" (13mm) holes and attach the mounting bracket using four 1/2" x 1-1/2" bolts, locks, flats, and nuts. Tighten hardware.

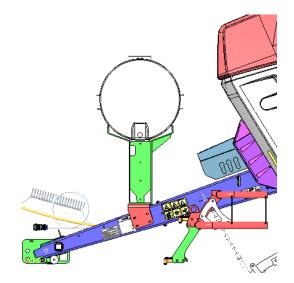
Mount the legs and saddle to the top of the mounting bracket (001-4704MA). Use four 1/2" x 1-1/2" bolts, locks, flats, and nuts. Tighten hardware.



# Install kit 4531

Attach tank legs 001-4703B to brackets 001-ACX2873280 (side bracket) and 0011-ACX2873560 (side bracket) with  $1/2" \times 2"$  bolts and hardware. Saddle leg brackets attach to baler hitch with  $3/8" \times 1 1/2"$  bolts and harware utilizing the predrilled holes as shown below. Place and attach the tank saddle to the top of the saddle legs with  $3/8" \times 1 1/4"$  bolts and hardware. Tighten and secure all bolts prior to installing the tank to the tank saddle. Using  $5/16" \times 3"$  bolts and hardware, secure tank to tank saddle with tank straps



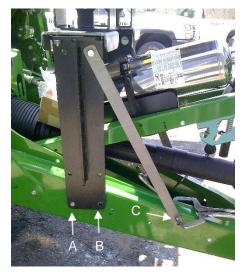


# Tank Mounting – 4538 Kit

#### \*Illustrated Installation on next page

The tank mounting uses 1 existing bolt on each side of the tongue. Locate the net wrap cap bracket on the inside of the right side of the tongue. Remove the bracket. Drill out the front hole to 9/16" (14mm) diameter (A). Reinstall net wrap cap bracket with one existing bolt/nut in the back mounting hole. Place the rear, bottom hole on tank support, 001-4704MA, on the newly drilled hole. Use supplied hardware, 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut to secure tank support. Ensure the bracket is vertical, then mark and drill the front, bottom hole for the tank support (B). Secure with same hardware. Use tank support brace, 001-4704MDJ, to secure the tank support to a 3<sup>rd</sup> point further forward on tongue (C). Mark and drill 9/16" (14mm) diameter hole. Secure top and bottom of brace with 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut.

Locate existing hole on left side of tongue, opposite of the existing hole used on the right side of the tongue. Drill hole out to 9/16" (14mm) diameter as done on previous side. Place the rear, bottom hole of tank support, 001-4704MA, over newly drilled hole and secure with 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut. Ensure the bracket is vertical, then mark and drill front hole of support, secure with 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut. Use tank support brace, 001-4704MDJ, to secure the tank support to a  $3^{rd}$  point further forward on tongue (C). Mark and drill 9/16" (14mm) diameter hole. Secure top and bottom of brace with 1/2" x 1-1/4" hex bolt, washer, lock washer, lock washer, and nut.





With the two tank supports, 001-4704MA, mounted to each side of tongue, install the cross member support, 001-4704MEJ, on the top of both 001-4704MA supports. The outer most holes on the cross member should line up with the tank supports. Use 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut to secure bracket. Install both tank legs, 001-4703B, to the remaining four holes on the cross member using 1/2" x 1-1/4" hex bolt, washer, lock washer, and nut. Only snug bolts at this time.

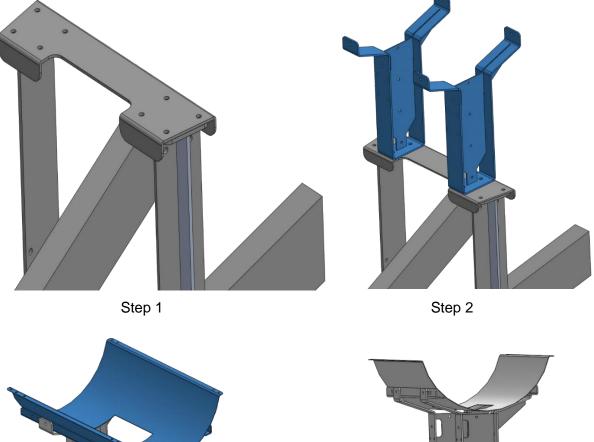
Place tank and saddle assembly on top of the leg supports. The two inner most holes on the saddle should line up with the leg supports. Start the hardware that connects the legs to the saddle,

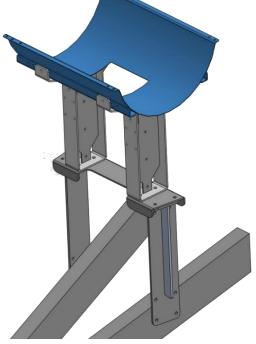
3/8" x 1" hex bolt, lock washer, and flat washer. Once all four bolts are started, tighten the bolts that secure the leg supports, 001-4703B, to the cross member,



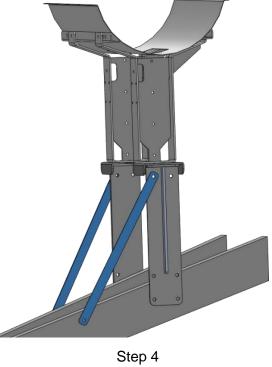
001-4704MEJ. With the legs tightened to cross member, then you can tighten the legs to the saddle.

# Illustrated Installation – 4538 Kit









#### Install Kit 4549

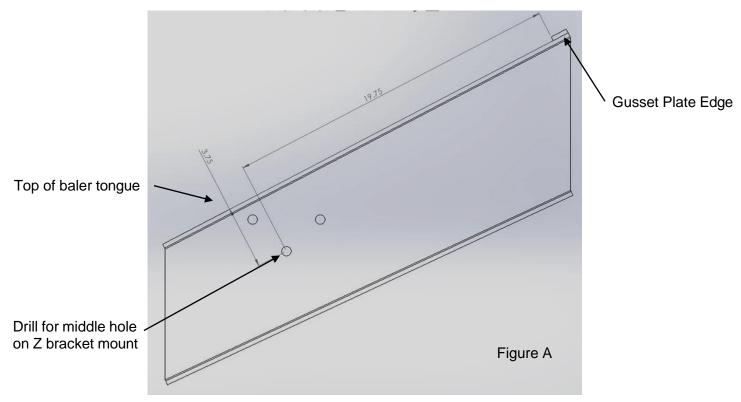
Prior to installing the tank legs, modification to the PTO gearbox shield and twine box door is required. Place hinges (001-4703VHG) approximately 2" from the outer edge of the PTO gearbox shield, mark, drill and attach each hinge connecting the PTO shield to the twine box door with four 5/16"x1" flange bolts and nuts. After hinges are secured, remove factory bolts attaching PTO shield to twine box door. This will result in a hinged access to the PTO gearbox which allows the twine box door to open after the preservative tank is mounted.



Add hinges and secure before lifting and removing factory bolts that connect the panels



The Z-shaped brackets (001-4703F) will attach to the baler tongue with three  $1/2" \times 1 \ 1/2"$  bolts per side. The baler tongue must be supported either at the field-ready position or hooked to the tractor. The first hole should be marked and placed 19.75" from the front side of the gusset plate and 3.75" down perpendicular from the top of tongue (see Figure A). Mark and drill center hole on each side of the tongue. Attach Z bracket by using one  $1/2" \times 1 \ 1/2"$  bolt, washer, lock washer and nut on each side. Place a level across the top of each bracket and pivot until horizontal. Tighten brackets to tongue. Mark and drill the remaining two holes on each side. Secure with additional  $1/2" \times 1 \ 1/2"$  bolts, washers, lock washers and nuts.



# Install Kit 4549 (continued)

Attach tank legs (001-4703B) to the tank saddle with 3/8" x 1" bolts, lock and flat washers. Install both sides of legs before tightening down any of the bolts. Place the tank saddle legs (001-4703B) on top on top of the Z shaped mounting brackets and secure with nuts, washers and bolts from parts bag 16. Tighten all bolts on tank mount assembly and brackets. Install tank and secure with tank straps.

Crimp one side of the S hooks securing it to the rubber latch strap (001-4703CL). Attach one open end of latch strap to an unused hole on the tank saddle and crimp closed. Use remaining open S hook end on latch strap for temporarily assisting in accessing the twine box.



Crimp S hook from latch strap to unused hole on tank saddle to allow for easier access to twine box door

# 2. Installation of Drain Fill Line (Models 434, 440, 442 & 448)

#### Model 434

Using parts bag 1, locate the pre-drilled hole at the front of the bale chamber (figure 1). Secure valve assembly to baler using 5/16" x 3/4" carriage bolts (figure 2). Thread 3/4" elbow fitting into tank, cut hose to correct length and connect to valve assembly. Secure with hose clamps on both ends (figure 3).

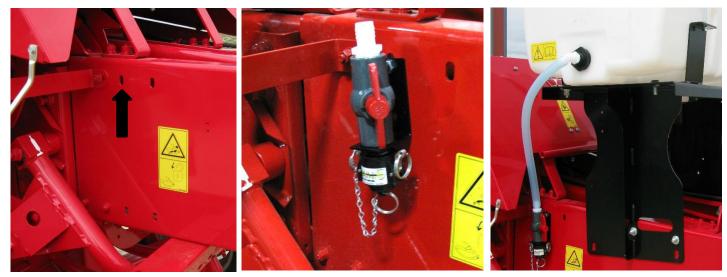


Figure 1

Figure 2

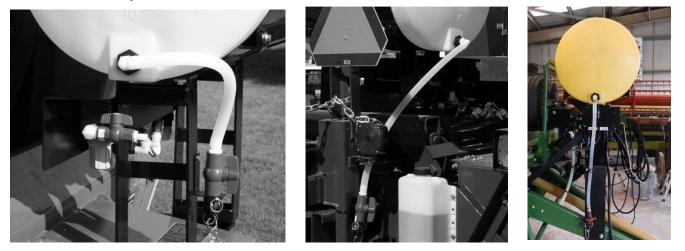
Figure 3

#### Model 440

Locate parts bag 1. Install the straight fitting (003-A3434) or elbow fitting (003-EL3434) into the side fitting in the tank (Figure B). Drill two 5/16" holes using the valve holder (001-6702H) as a template on the right side of the baler above the tire. Mount the valve holder with two 5/16" x 1" self-tapping bolts and flange nuts. Attach the 3/4" cam coupler to the 3/4" ball valve through the valve holder. Insert the straight fitting (003-A3434) into the ball valve. Cut the 3/4" hose to length secure on both sides using hose clamps. Install supplied safety decals (DCL-8001 & DCL-8005) next to the ball valve assembly.

#### Model 442 & 448

Locate parts bag 1. Thread 3/4" elbow fitting into end of tank. (003-EL3434) Run 3/4" hose from the elbow down the frame to the bottom of the baler. Drill 1/4" holes to accept the valve holder bracket and use 5/16" x1" self-tapping screws and flange nuts. Connect valve assembly to other end of hose. Place hose clamps on both ends. Secure hose to frame using zip ties. Install supplied safety decals (DCL-8001 & DCL-8005) next to the ball valve assembly.



3. Installation of Gauge, Reach Rods and Hose Manifold.

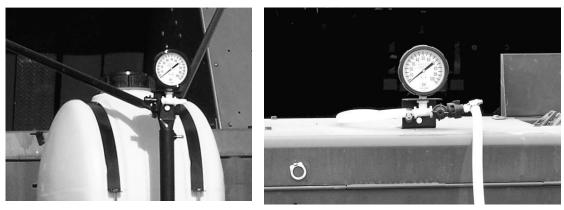


Figure 1

Figure 2

On round balers (Figure 1) locate the pressure gauge and pressure gauge holder in a position so that it is easily viewed from the seat of the tractor. The gauge holder can be used as a joiner for the two top reach rods as pictured here. Connect the reach rods behind the tank at an angle that will properly support the tank and saddle from any movement. **NOTE: REACH RODS MAY HAVE TO BE BENT ON THE TAB TO ALIGN PROPERLY.** Reach rod placement is at the discretion of the installer to determine the most suitable baler attachment points. Bolt one end of each reach rod to the upper tank support bracket and the other ends to secure locations on the baler.

Once final rod lengths are determined, remove the set screw bolts and mark inner reach rods through the set screw bolt hole. Unbolt and remove inner reach rods - using a 3/8" bit drill approximately 1/4" deep into the inner reach rods at your mark to create a stop for the set screw bolt to embed into. Reassemble the telescoping reach rods and tighten set screw bolt. Secure all reach rod hardware with nuts, washers and lock washers included with hardware.

On square balers (Figure 2), the gauge is normally best viewed if it is located on the top sheet metal above the pickup head. The gauge is also supplied with an elbow in the parts bag. Use if necessary (small square only). Mount the hose manifold on the front of the baler in the area of the spray shield. Make sure the bracket will not interfere with any baler operations. The hose manifold is included with all small square kits except those using install 4415 & 4415-SO.



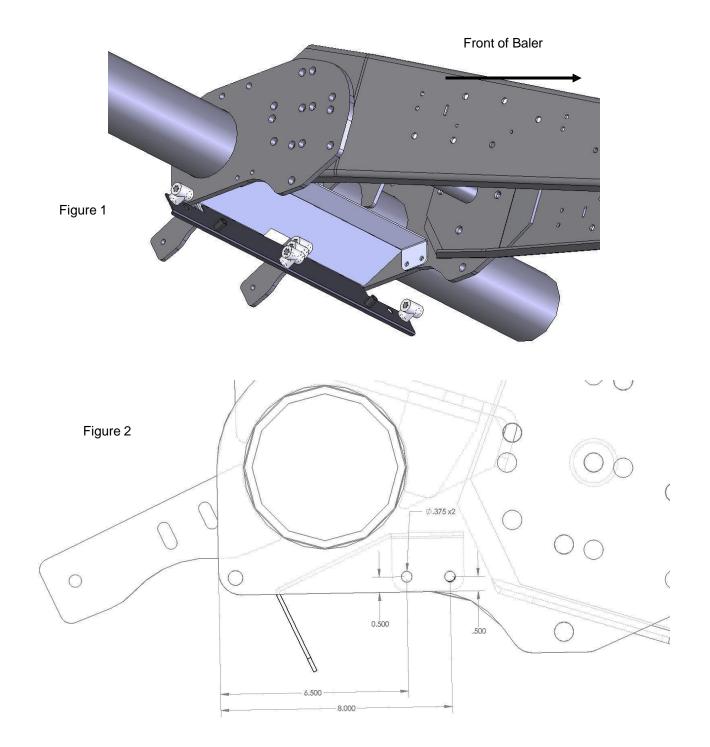
AGCO & Case IH inline balers

New Holland & Case IH SBX With 4409 install kit

# 4. Placement of Spray Nozzle Assembly

#### Install Kit 442-SO

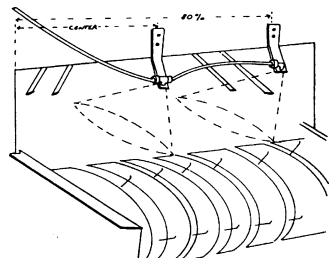
Locate the spray shield (001-4810B) and the spray shield holder (001-4810BRH). The assembly will mount as shown in figure 1. The location shown in figure 1 is directly above the balers pickup. Four 3/8" (10mm) holes will need to be drilled to mount the shield holder to the baler (Figure 2). Mount the spray shield holder using four  $5/16 \times 1-1/2$ " bolts, locks, flats, and nuts. Attach the shield to the holder using the two supplied lynch pins.



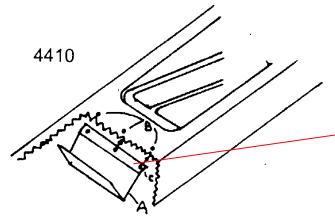
#### Install Kit 4409

#### Conventional Baler with Gathering Forks.

- Mount the left hand nozzle so that it is approximately 80% across the width of the pick-up head. Example: if the head is 60 wide, locate the nozzle 48" from the right side of the head (60"x80".)
- Mount the right hand nozzle so that it is approximately centered on the pickup head.
- 3. Bend the nozzle bar in so that the tip is pointed in toward the bottom of the gathering chamber and about 16" above the sheet metal base of the chamber. Twist the nozzle so the tip is tilted 45 degrees from horizontal.



4. Three 1/4" lines will need to be run from the hose manifold to the nozzle straps. Use the color-coded stickers to attach the correct hose to the correct tips, and couplers. Secure the lines to the bracket and spray shield using the supplied hose clamps.





#### Install Kit 4410

Bolt the nozzle holder (A) up under the baler's hood. Remove 3 bolts (B) on the baler and replace with hardware in kit to fasten lip (C) securely in place. Three 1/4" lines will need to be run from the hose manifold to the spray shield. Use the color-coded stickers to attach the correct hose to the correct tips, and couplers. Secure the lines to the bracket and spray shield using the supplied hose clamps.

# Install Kit 4415 & 4415-SO

Locate the hay guard directly above the bale chamber. This install can be done with the hay guard in the baler, but it is recommended to remove. Consult your dealer for procedure.

# Installation of Spray Shield

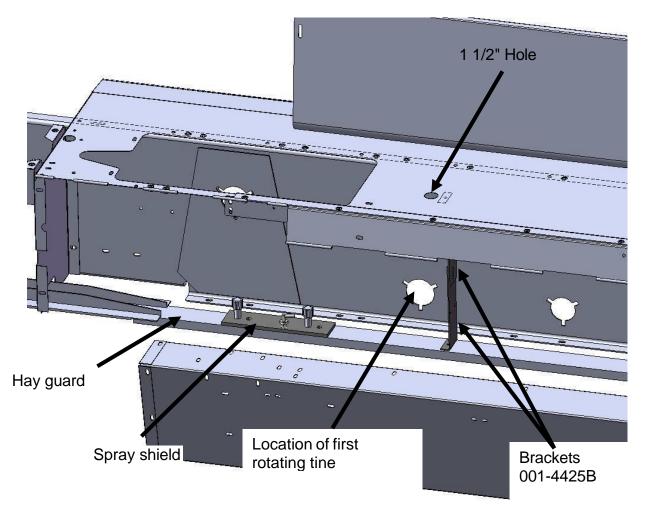
- 1. Mark a point 9-1/4" from the knife on the hay guard and draw a squared line across the width.
- 2. Remove hay guard from baler if possible. Mark the top and bottom of the hay guard for the correct re-installation.
- 3. Back out plastic drill guide until it is flush with the bottom of the spray shield. Line up the spray shield on the hay guard with the KNIFE sticker against the line just marked.
- 4. Center and clamp the spray shield firmly in place.
- 5. Using a <sup>1</sup>/<sub>2</sub>" drill bit, mark the location of the two 1/2" (13mm) holes to create a center mark. DO NOT DRILL THROUGH STEEL.
- 6. Remove spray shield. On the holes just marked, use a 1/4" drill bit and drill through both pieces of steel as square as possible.
- Insert two 1/4" x 2" button head cap screws through holes in the bottom of the hay guard. The head of the screw will need to be down (in the chamber). Secure with nylon lock nut on top side.
- 8. Replace spray shield and secure with the hold-down knobs.
- 9. Drill out the single hole with the drill guide installed with a 1/4" drill bit. Drill through both pieces of steel.
- 10. Remove the spray shield and using a 1-1/2" hole saw, drill out the hole through the TOP STEEL ONLY.
- 11. Drill out the bottom hole with a 9/16" bit. Be careful to not oblong the holes. De-bur any metal filings left around the hole on both sides of the hay guard. Use touch-up paint on bare surfaces if available.
- 12. Remove plastic drill guide from the shield and thread in the elbow completely into the spray shield.
- 13. Install the tip strainer followed by the appropriate tip for the application. Tighten nut to secure the strainer and tip.
- 14. Back the threaded fitting out as far as possible. Place the shield on the hay guard and secure by pressing down. Secure the spray shield with the hold-down knobs.
- 15. Thread the elbow down until it touches the bottom metal and align as needed for routing the hose. NOTE: Tip should protrude slightly out of the bottom of the hay guard with no space between the tip and the hole.
- 16. Re-install hay guard onto the baler.

# Installation of Hose and Support Bracket

- 1. If the hay guard was removed for shield installation reinstall at this time.
- 2. Mark a point 6" from the first rotating tine on the center of the hay guard. Center punch this mark and drill a 1/4" (7mm) hole through both top and bottom of the hay guard.
- 3. Bolt the bottom bracket (001-4425B) using 1/4" x 2" button head cap screw. Secure with a 1/4" flange nut. The head will need to be down (in the chamber).
- 4. Loosely install the remaining bracket (001-4425B) to the bottom bracket attaching in the middle. Level the two pieces and extend the top bracket until it reaches the top of the baler. Secure with a 1/4" flange bolt and nut.
- 5. Mark and drill the top hole with a 1/4" bit. Secure with a 1/4" flange bolt and nut.

#### Install Kit 4415 & 4415-SO (continued)

- 6. Route the hose from the pump down the cross member the tank is mounted on towards the right side tire. The hose will go up the right side of the baler towards to the top and center of the baler towards the hole that will be made in the next step.
- 7. Cut a 1 1/2" (38mm) hole in the top of the baler for the hose to route through. Install the grommet once the hole is complete.
- 8. Attach the hose, to the elbow, securing with the hose clamp.
- 9. Secure the hose on the end of the spray shield with one jiffy clips (008-9010) and a 1/4" x 1/2" round head screw.
- 10. Install the hose from the shield under the hay tine, to the bracket, and out the top.
- 11. Secure the hose to the bracket with two jiffy clips (008-9010) and 1/4" flange bolts and nuts. Keep the hose in the center of the bracket.
- 12. Run the hose through the top of the baler and down towards the tank. Use the supplied jiffy clips (008-9010) to secure hose in route to the pump.
- 13. Connect the hose to the pump. See plumbing section.



View from behind the twine box with the inspection door open. On most large round balers the cross bar on the wind guard above the pick-up head provides a mounting point for the nozzle pipes. Space the nozzles by the chart below:

# Install Kit 4416, 4417, 4418

On baler tongue above center of the baler (figure 1), install spray shield holders (001-4424B) on both sides of tongue using pre-drilled holes (figure2). Securing each with one 3/8" bolt. Do not tighten bolts. Place the spray shield (001-4424A2) on the shield holders using two 3/8" bolts and washers. Spray shield should spray toward back of pickup, between augers, in area before crop enters baler (figure 3). When angle of tips is correct, tighten shield holder bolts. Route hose to hose manifold.









Figure 3

#### Install kits 4481\*, 4482, 4483, 4484, 4485, 4486

# \*Note: Use the information below for 4481B kit when baler is not equipped with roller wind guard. If your baler does have a roller wind guard, refer to bottom of page instructions.

The cross bar on the wind guard above the pick-up head provides a mounting point for the nozzle tubes. Mount the center nozzle tube (001-4714A) on the nozzle pipe using the supplied U bolts (001-4714UBS) in the center of the wind guard. The two remaining nozzle tubes (001-4714), will mount 20" (50cm) away from center nozzle tube on both sides. Do not fully tighten.

Position the nozzle tubes up so that the tips spray in a generally horizontal direction. Also point the tips toward the starter rolls of the baler. The tips should be located so that they will be between 14" and 18" (35 to 45 cm) from the normal path of hay. Make sure the tubes do not interfere with the tying system.



Install kit 4481 - When baler is equipped with Roller Wind Guard

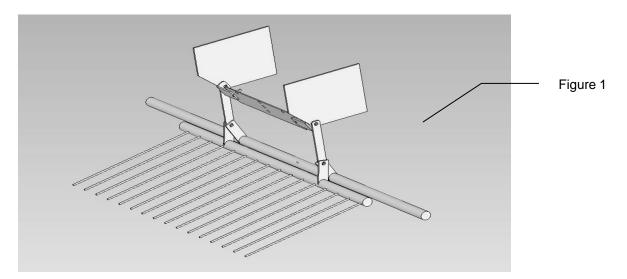
Locate the spray nozzle tube holder (001-4703TP) shown in figure 1. Situate the holder on the baler tongue, using the bottom pre-drilled hole to line up with the top hole on the pipe holder bracket (001-4703TH), shown in figure 2 and 3. Mark the location on the second hole down on the pipe holder bracket and drill a 5/16" (8mm) hole on both sides of the baler tongue. Attach the holder using two 3/8" x 1" bolts, locks, flats, and nuts. Install the center nozzle tube (001-4714A) on the nozzle tube (001-4703TP) using the supplied U bolts (001-4714UBS). The two remaining nozzle tubes, will mount 1" in from each end of the nozzle tube holder. Do not fully tighten. Position the nozzle tubes so that the tips will be 14"-18" away from the normal path of hay.



Figure 1

Figure 2

Figure 3

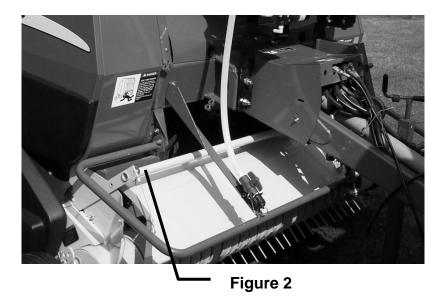


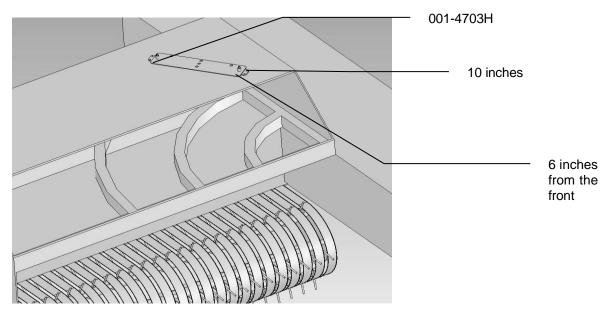
The shield for your baler will mount in the throat of the baler as shown above. Remove nut and bolt on both sides of baler (Figure 1). Install shield holders (001-4703I) with 1/2" x 2" bolts, nuts, locks and flat washers. Do not tighten these bolts until the shield is properly aimed. Aim the shield at bottom of the pickup head at point where stuffer fingers connect with hay (between the two augers) and make sure bushing is not removed. Once the shield is in place the nuts may be tightened down.

#### Install Kit 4503, 4504 & 4505

The top cross bar above the full-shielded wind guard provides a mounting point for the short nozzle pipes. (Figure 2). The nozzles will point towards the baler, and a notch may need to be cut on the lip of the full-shielded wind guard for clearance of the elbow. Space the nozzles by the chart below:

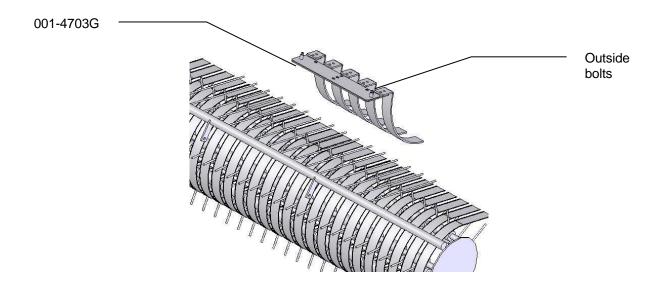
PICK-UP HEAD	LEFT SIDE	CENTER	RIGHT SIDE
WIDTH	(Use plugged fitting)	(Use 2-way fitting)	(Use 2-way fitting)
48" (121cm)	12" from left (30cm)	Center	12" from right (30cm)
60" (152cm)	14" from left (35cm)	Center	14" from right (35cm)
72" (180cm(	15" from left (38cm)	Center	15" from right (38cm)





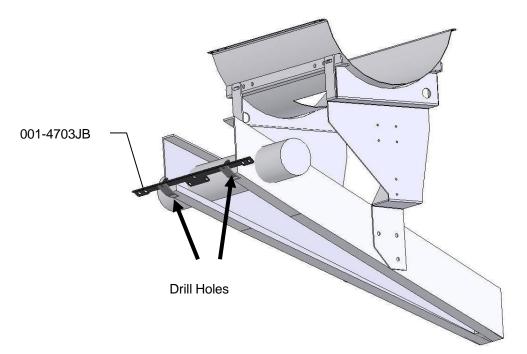
The shield for your baler will mount on top of the sheet metal directly above the pickup head shown in the picture above. Mount shield holder (001-4703H) on top of metal 6 inches from the front of the baler and 10 inches from the side of the baler. Attach this holder with 1/4" x 1-1/4" self-tapping bolts. Place shield of top of holder and rotate the shield to a 45-degree angle. Mark the location of the next holder's position and install. Six holes will need to be drilled below the tips using a 3/4" (16mm) hole saw or bit.

#### Install Kit 4507

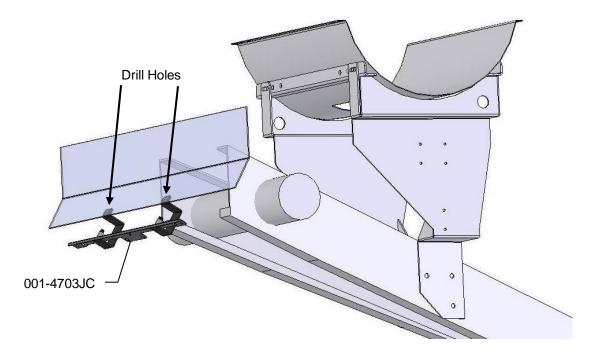


The shield for your baler will mount on the wrap guard as shown in the picture above. Remove the two outside bolts on each side of the wrapper guard. Place bracket 001-4703G so pins are facing up and bolt through with  $3/8" \times 1 1/2"$  into bracket 001-4703G, through wrap guard, and into threaded holes on baler frame that the bolts were removed from.

Locate the spray shield assembly (030-4508B). Fit shield with tips facing down onto the baler as shown below with the shield hangers (001-4703JB). Mark both sides of the shield (only mark one hole per side) and drill a 3/8" (10mm) hole to allow the shield to be bolted to the baler using 3/8" x 1 1/2" bolts, locks, nuts, and flat washers. Remove the spray shield from the mounting brackets to install. Attach hoses to shield before installing on bracket. (See installation of plumbing)

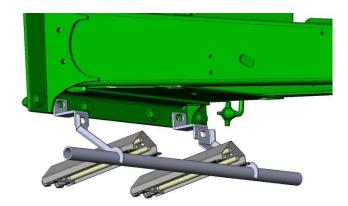


Locate the spray shield assembly (030-4508B). Fit shield with tips facing down onto the baler as shown below with the shield hangers (001-4703JC). The shield hangers will be positioned on the sheet metal between the balers tongue and belts. The shield hangers should be positioned so that the bottom of the sheet metal is aligned with the bottom of the bend below the mounting holes and on the tongue side of the sheet metal. Mark both sides of the shield hangers (two holes per side) and drill four 3/8" (10mm) holes to allow the shield to be bolted to the baler using 3/8" x 1-1/2" bolts, locks, nuts, and flat washers. Remove the spray shield from the mounting bracket to install. Attach hoses to shield before installing on bracket. (See installation of plumbing)



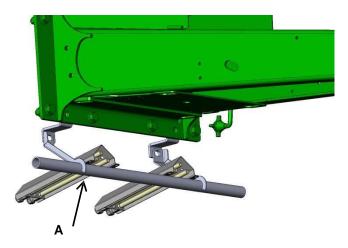
### Install Kit 4516 and 4517

### **Twine and Net Balers**



Locate the four flange head bolts where the baler hitch bolts to the bottom side of the baler frame. Remove the two outside bolts. Attach the spacers (001-4703NS) to the **hitch side** of the baler frame. Use original hardware to secure. Attach the nozzle holder (001-4703R) to the spacers with the supplied M16 x 40mm flange bolts and nuts. Attach the nozzle mount (001-4714J) to the nozzle holder (001-4703R) with 5/16" U bolts, locks, and nuts. The Nozzle mount should be about 6 inches apart for 4 foot wide balers and 9" apart for 5 foot wide balers (1.5M). Do not fully tighten. Lift the roller baffle and position the end of the nozzle holder bracket so the tips are just above the roller baffle (if equipped) when it is lifted to its highest point. Tighten all hardware and attach the hoses.

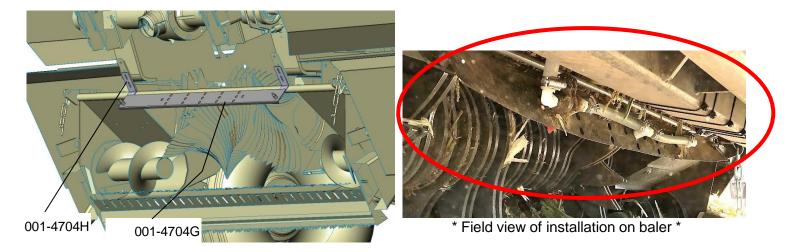
### **Net Only Baler**



Locate the four flange head bolts where the baler hitch bolts to the bottom side of the baler frame. Remove the two bolts. Attach the spacers (001-4703NS) to the **chamber side** of the baler frame. Use original hardware to secure. Attach the nozzle holder (001-4703R) to the spacers with the supplied M16 x 40mm flange bolts and nuts. Attach the nozzle mount (001-4714J) to the nozzle holder (001-4703R) with 5/16" U bolts, locks and nuts. The nozzle mount should be about 9" apart with bracket **A** as close to the V-shaped stop as possible. Do not fully tighten. Lift the roller baffle (if equipped) and position the end of the nozzle holder bracket so the tips are just above the baffle when it is lifted to its highest point. Tighten all hardware and attach the hoses.

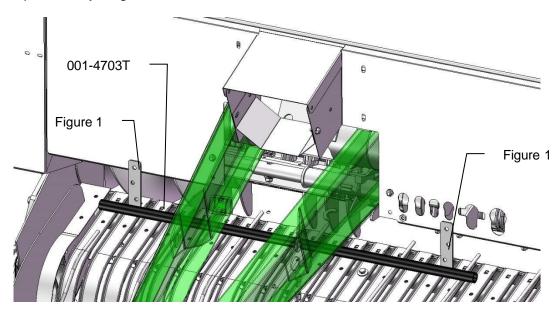
### Install Kit 4523, 4526 & 4531

Locate the spray shield 001-4704G and spray shield hangers 001-4704H (4523 install) or 001-4704MC (4526 install). Mount the spray shield above the pickup reel and directly in front of the rotor on the baler. Use the two existing holes to mount the shield using four 3/8" x 1-1/2" bolts, locks, flats, and nuts. Tighten all hardware.



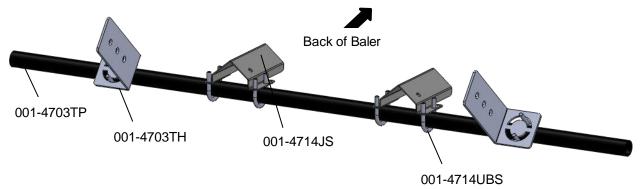
### Install Kit 4524

Locate the spray nozzle holder (001-4703T). Situate the holder, centered on the baler sheet metal and mark one hole per side. (Figure 1) Drill two 5/16" (8mm) holes and attach the holder using two 3/8 x 1" bolts, locks, flats, and nuts. Install one nozzle tube in the center. The two remaining nozzle tubes, will mount one inch in from each end. Do not fully tighten. Position the nozzle tubes so that the tips will be 14 - 18" (35-45cm) away from the normal path of hay. Tighten the nozzle tubes to the nozzle holder.



#### Assemble Spray Bar

Attach the nozzle tube pipe (001-4703TP) to the pipe mounting brackets (001-4703TH) with the supplied U Bolts. Do not tighten U-bolts, to allow mounting brackets to move. Attach the nozzle mounts (001-4714JS) to the nozzle tube pipe with U-bolts and secure. The nozzle mounts should be about 6" (12.5cm) apart for 4' (11cm) wide balers and 9" (23cm) apart for 5' (12.5cm) wide balers.



### **Attach Spray Bar Assembly**

Position mounting brackets (001-4703TH) on the baler tongue above the pick-up as shown in figure 1 at roughly a 45 degree angle. If your baler is equipped with a roller wind guard, the angle may need to be slightly adjusted to allow clearance and proper coverage of the preservative being applied to the incoming crop. When the exact mounting position has been determined on both sides of the tongue, drill two 3/8" (10mm) holes and secure mounting brackets using four 3/8" x 1 1/4" bolts and hardware in parts bag 7. Ensure that the nozzle mounts (001-4714JS) are pointed toward the back of the baler. Figure 2 shows a side view of the mounting bracket and the nozzle pipe from the left side of the baler.

\*Ensure pickup raises and lowers without damaging spray bar assembly.



Figure 1



Figure 2

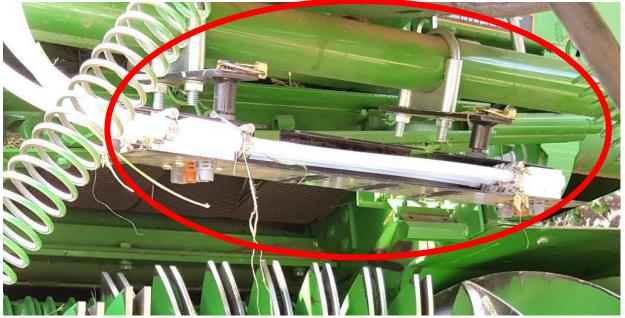
### Install Kit 4546 & 4547

Locate the spray shield (001-4435NSX) and the shield holder (001-4435NCX2). Position the assembly over the center of the pickup and secure the shield holder to the cross bar support as shown on right using two 2" U-bolts (001-4714UBX) included with the kit.

Attach the spray shield to the shield holder as shown below by using the two lynch pins provided (008-4576).

Position the spray shield so the preservative will be spraying in front of the rotating pre-cutter. Test with water to adjust as needed.







Locate the four flange head bolts where the baler hitch bolts to the bottom side of the baler frame. Remove the two outside bolts. Attach the spacers (001-4703NV) to the **hitch side** of the baler frame. Use original baler hardware to secure. Attach the nozzle holder (001-4703R) to the spacers with the supplied 1/2" x 1 1/2" bolts, washer, lock washers and nuts. Attach the nozzle mount (001-4714J) to the nozzle holder (001-4703R) with 5/16" U bolts, locks, and nuts. The nozzle mount should be about 6 inches apart for 4 foot wide balers and 9" apart for 5 foot wide balers (1.5M). Do not fully tighten. Lift the roller baffle and position the end of the nozzle holder bracket so the tips are just above the roller baffle (if equipped) when it is lifted to its highest point. Tighten all hardware and attach the hoses.

### 5. Installation of Plumbing

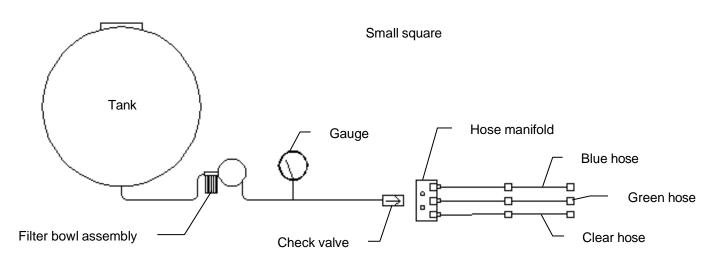
### Model 431, 434, 441, 442 & 448

#### A. Intake

Screw the 003-EL3412 (3/4" to 1/2" elbow) into the bottom of the tank. Second screw the 002-2212( $\frac{1}{2}$ " ball valve) with elbow into the filter assembly. Lastly, route the 002-9001(1/2" hose) from bottom of the tank to ball valve. Secure with hose clamps.

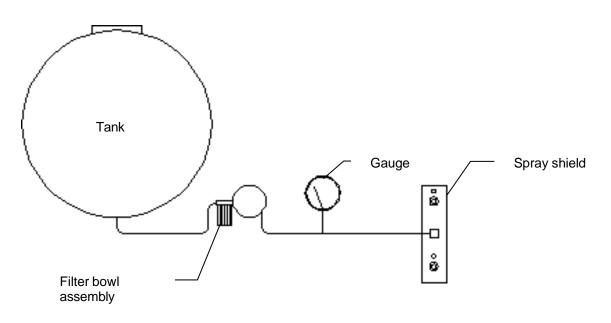
#### B. Outlet small square with 4409, 4410, 4416 4485, 4502, 4506 & 4507 install

Run hose from the pump outlet to the gauge. The gauge is assembled with two straight fittings; an elbow is supplied in the parts bag to be used if necessary. From the gauge the hose will need to be run to the hose manifold. Cut the hose to length and attach the check valve (002-4564X) and female coupler (004-1207H) to the hose manifold. Use the supplied caps (004-1207F) to cover the remaining female disconnects (004-1207G).



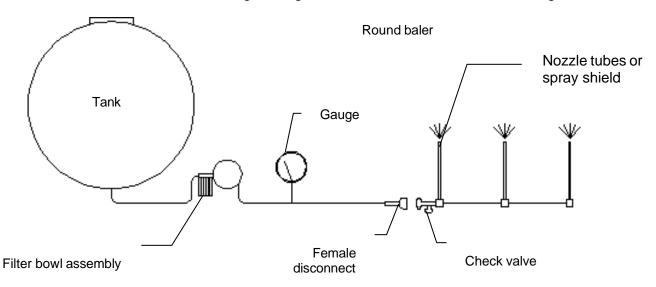
#### C. Outlet small square with 4415 install

Run hose from the pump outlet to the gauge. The gauge is assembled with two straight fittings; and elbow is supplied in the parts bag to be used if necessary. From the gauge the hose will need to be run to the spray shield.



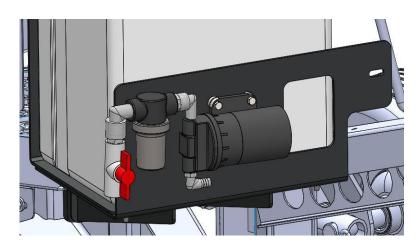
### Installation of Plumbing (continued)

D. Outlet round baler with 442-SO, 4481, 4484, 4486, 4503, 4505, 4508, 4516, 4517, 4524 & 4526 Run hose from the pump outlet to the gauge. The gauge is assembled with two straight fittings; an elbow is supplied in the parts bag to be used if necessary. From the gauge the hose will need to be run to the first nozzle tube with the check valve. Cut the hose to length and attach the female disconnect and straight fitting. Attach these to the check valve using one washer.



#### Model 431

The pump assembly will be attached to the tank frame (001-4705B) using the predrilled holes as shown (right).



#### Model 434

Mount the pump on right leg in the pre-drilled holes as shown (right). Mount the pump with the intake facing down and wrap the cords underneath the pump to prevent damage or stress to them.



### Model 440

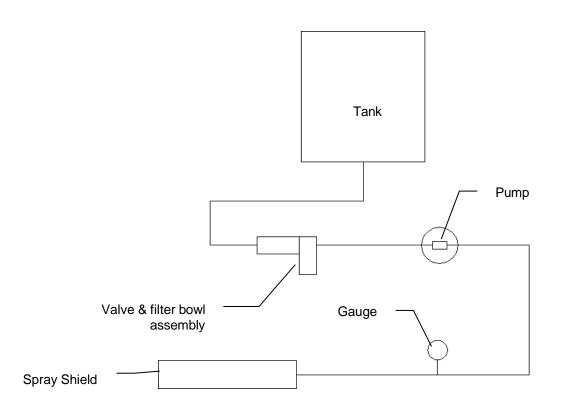
#### Install Kit 4415-SO

#### A. Intake

Screw the 003-EL3412 (3/4" to 1/2"elbow) into the bottom of the tank. Run the hose to the ball valve elbow and secure with hose clamps on both sides. Run the hose from the elbow on the filter bowl assembly to the straight fitting on intake side of the pump. Secure the hose on both sides with hose clamps.

#### B. Outlet

Run hose from the pump outlet to the gauge and secure the hose on both sides with hose clamps. The gauge is assembled with two straight fittings; an elbow is supplied in the parts bag to be used if necessary. From the gauge the hose will need to be run to the spray shield.



### 6. Installation of Controls

Locate parts bag 13.

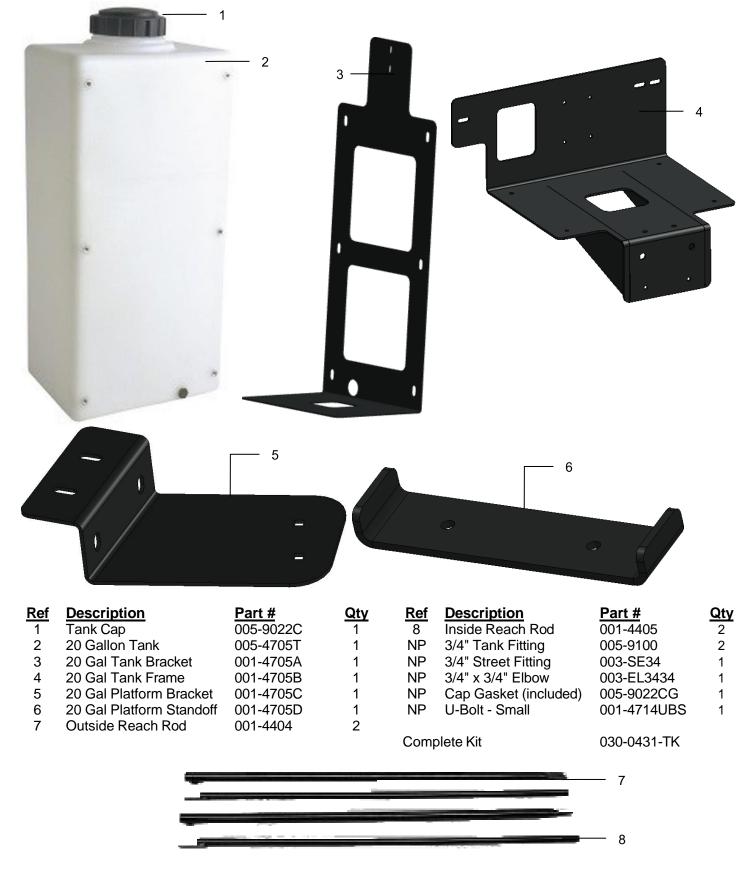
Route the wire to the starter solenoid on all 12v tractors. Connect the green lead marked + to the hot terminal on the starter. Connect the black lead to a good ground. **Do not reverse the leads.** Be sure to use a voltmeter to verify that you do have 12 volts running to the box.

**Note:** For tractors with 24v starters, connect the power leads to the tractor's right hand battery. Do not connect the leads to the starter. Connect the lead marked + to the positive battery terminal and the lead marked- to the negative on the battery. Wiring connections to the battery normally results in corrosion; terminal coating is recommended.

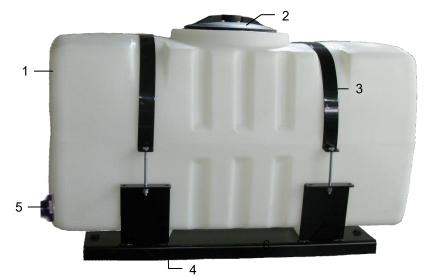
**Caution:** Do not run a pump or use an electronic control box directly off a battery charger. For stationary use, the applicator can be connected to a new battery and the battery connected to a charger

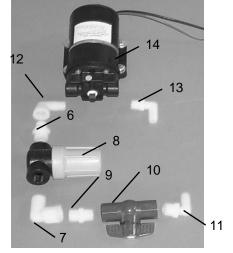
### Parts Breakdowns for Base Kits

Model 431 Base Kit



### Model 434 Base Kit – Top Mount

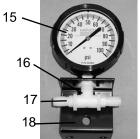




<u>Ref</u>	<b>Description</b>	Part#		Qty
1	Tank	005-920	3SQ	1
2	Tank Lid	005-902	2H	1
3	Tank Straps	001-440	2	2
4	Tank Saddle	001-470	3X	1
5	Tank Fitting	005-910	0	2
6	Nipple	003-M1	238	1
7	Elbow	003-SE	12	2
Тор	Tank Saddle Kit	(1-5)	030-0432	2-TK

Ref	<b>Description</b>	Part#	Qty
8	Filter Bowl	002-4315-80	1
9	Nipple	003-M1212	1
10	Ball Valve	002-2212	1
11	Elbow	003-EL1212	1
12	Elbow	003-SE38	1
13	Elbow	003-EL3812	1
14	Pump	007-4120S	1

				10
Ref #	<b>Description</b>	Part #	Qty	
15	Gauge	002-2208Z	1	1
16	Tee	004-TT14	1	
17	Straight Fitting	003-A1412	2	
18	Gauge Bracket	001-4717	1	



### Model 434 Base Kit-Side Mount

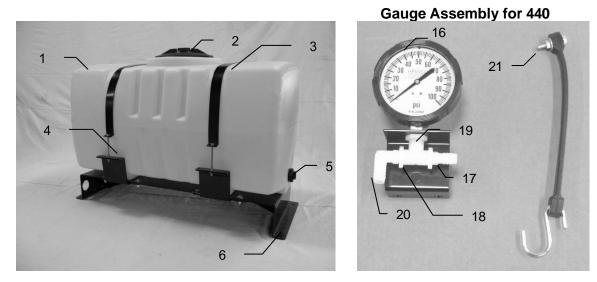


Ref#	<b>Description</b>	Part #	<u>Qty</u>
1	Tank	005-9203SQ	1
2	Tank Lid	005-9022H	1
3	Tank Straps	001-4707A	2
4	Tank Saddle	001-4703QS	1
5	Tank Plug	003-F34	1
6	Strap Base	001-4703CD	4
7	Support Bracket	001-4703QU	2
8	3-7/8" U-Bolt	001-4703QUX	2
9	2-7/8" U-Bolt	001-4703QUB	2
10	2-7/8" U-Bolt	001-4703QUB	1
11	3-3/4" U-Bolt	001-4703QTB	1
12	Support Bracket	001-4703QT	2

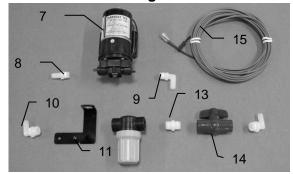
4417 Side Tank Saddle Kit (1-9) 4418 Side Tank Kit (1-6, 10-12)

030-0432SM-TK 030-0432SM-TK-18

### Model 440 Base Kit

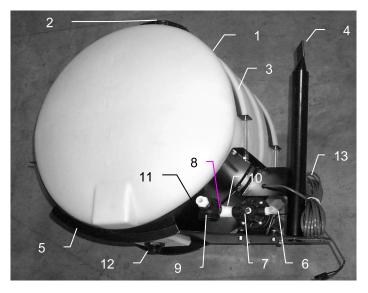


Parts Bag for 440

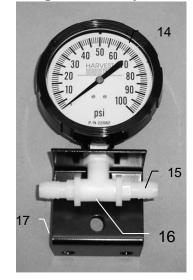


<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>	<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Tank	005-9203SQ	1	13	Nipple	003-M1212	1
2	Tank Lid	005-9022G	1	14	Ball Valve	002-2212	1
3	Tank Straps	001-4402	2	15	Pump Lead – 26'	006-4574	1
4	Short Strap Base	001-4703CC	2	16	Gauge	002-2208Z	1
NP	Long Strap Base	001-4703CD	2	17	Straight Fitting	003-A1412	2
5	Tank Fitting	005-9100	2	18	Tee	003-TT14	1
6	Tank Saddle	001-4703C	1	19	Gauge Bracket	001-4717	1
7	Pump	007-4120S	1	20	Elbow	003-EL1412	1
8	Straight Fitting	003-A3812	1	21	Door Latch	001-4703CL	1
9	Elbow	003-EL3812	1	NP	#6 Hose Clamp	003-9003	7
10	Elbow	003-EL1212	2	NP	Screen-80 Mesh	002-4315B	1
11	Filter Bowl Assembly	002-4315-80	1	NP	Filter Bowl Only	002-4315F	1
12	Filter holder	001-4703CH	1	NP	Filter Bowl Gasket	002-4315D	1

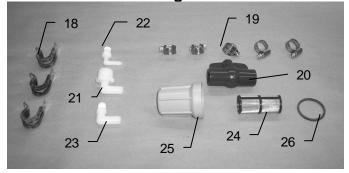
# Model 441 Base Kit



Gauge Assembly for 441



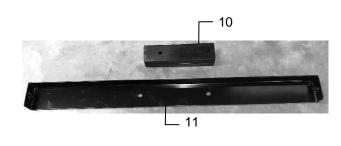
Parts Bag for 441



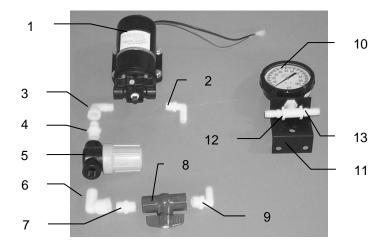
Ref	Description	Part #	Qty	<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Tank-25 gallon	005-9022	1	14	Gauge	002-2208Z	1
2	Tank Lid w/Breather	005-9022C	1	15	Straight Fitting	003-A1412	2
	Tank Lid (tank pre-1999)	005-9022A	1	16	Tee	003-TT14	1
3	Tank Strap	001-4402	2	17	Gauge Bracket	001-4717	1
4	Stub Pipe	001-4403	1	18	Jiffy Clips	008-9010	3
5	Tank Frame	001-4401	1	19	#6 Hose Clamp	003-9003	5
6	Elbow	003-EL3812	1	20	Ball Valve-1/2"	002-2212	1
7	Pump	007-4120S	1	21	Elbow	003-EL3412	1
8	Elbow	003-SE12	1	22	Elbow	003-EL1412	1
9	Filter Bowl Assembly	002-4315-80	1	23	Elbow	003-EL1212	1
10	Nipple	003-M1238	1	24	Screen-80 Mesh	002-4315B	1
11	Nipple	003-M1212	1	25	Filter Bowl Only	002-4315F	1
12	Tank Fitting	005-9100	1	26	Filter Bowl Gasket	002-4315D	1
13	Pump Lead -26'	006-4574	1				

### Model 442 Base Kit





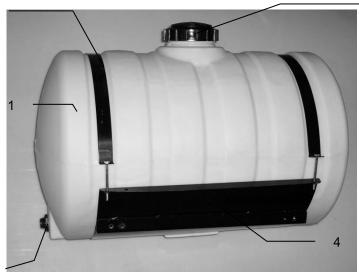
<u>Ref</u>	<b>Description</b>	Part#	Qty	<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	25 gallon Tank	005-9022	1	8	Tank Fitting	005-9100	1
2	25 gallon Saddle	001-4442	1	9	Cross Support	001-4445B	1
3	55 gallon Tank	005-9203	1		(55 gallon only)		
4	55 gallon Saddle	001-4445A	1				
5	Tank Strap	001-4402	2	4' CN	H Twine Only Balers	S	
6	Tank Lid	005-9022C	1	10	BR Spacer	001-4442S	4
NP	Tank Lid Gasket	005-9022CG	1	11	4' Wide Shelf	001-4442B	1



<u>Ref</u>	<b>Description</b>	<u>Part #</u>	Qty	<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Pump	007-4120S	1	8	Ball Valve	002-2212	1
2	Elbow Fitting	003-EL3812	1	9	Elbow Fitting	003-EL1212	1
3	Street Elbow	003-SE38	1	10	Gauge	002-2208Z	1
4	Nipple Fitting	003-M1238	1	11	Gauge Bracket	001-4717	1
5	Filter Bowl Assembly	002-4315	1	12	Tee	003-TT14	1
6	Street Elbow	003-SE12	1	13	Straight Fitting	003-A1412	2
7	Nipple Fitting	003-M1212	1	NP	Filter Bowl Only	002-4315F	
				NP	Screen- 80 Mesh	002-4315-80	
				NP	Filter Bowl Gasket	002-4315D	

### Model 448 Base Kit

5



**Description** 

Straps Tank fitting

Tank cap Tank gasket Nipple

Tank

Saddle

Elbow

Ref#

1

2 3

4

5 5 6

7

<u>Part #</u> 005-9203

001-4402

005-9100

001-4703

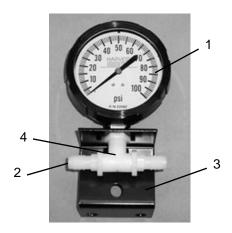
005-9022C

005-9022CG

003-M1238

003-SE12

Qty	Ref#	<b>Description</b>	Part #	Qty
1	8	Filter Bowl Assembly	002-4315-80	1
2	9	Nipple	003-M1212	1
2	10	Ball valve	002-2212	1
1	11	Elbow	003-EL1212	1
1	12	Elbow	003-SE38	1
1	13	Elbow	003-EL3812	1
1	14	Pump	007-4120S	1
2	NP	Screen- 80 Mesh	002-3415-80	
	NP	Filer Bowl Only	002-4315F	
	NP	Filter Bowl Gasket	002-4315D	

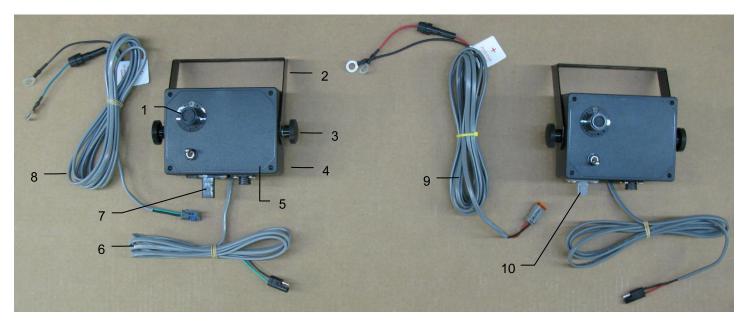


<u>Ref #</u>	<b>Description</b>	Part #	<u>Qty</u>	<u>Ref #</u>	<b>Description</b>	Part #	Qty
1	Gauge	002-2208Z	1	3	Gauge Bracket	001-4717	1
2	Straight Fitting	003-A1412	2	4	Тее	004-TT14	1

2

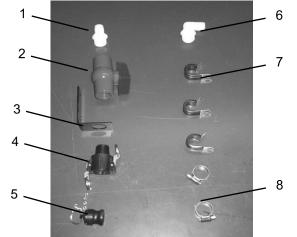
# Parts Breakdown for Control Box and Drain Fill Kit

### Model 457 Control Box



<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>	<u>Ref</u>	<b>Description</b>	<u>Part #</u>	<u>Qty</u>
1	Speed Dial	006-2022A	1		For Controls After Seria	<u>l # 4550:</u>	
2	U-bracket	001-2012E	1	9	Power Lead	006-4580M	1
3	Control Box Knob	008-0923	2	10	Box Plug	006-4581M	1
4	Control Box Enclosure	006-2015A	1		-		
5	Control Box Cover	006-2015B	1	NP	Baler Pump Harness (26')	006-4574	1
6	Pump Lead	006-4583	1	NP	Baler Pump Harness (35')	006-4575	1
	For Controls Pre-Ser	ial # 4549:					
7	Box Plug	006-4581	1	Replace	ement Control Box Assembly	030-045	7
8	Power Lead	006-4580C	1	-			

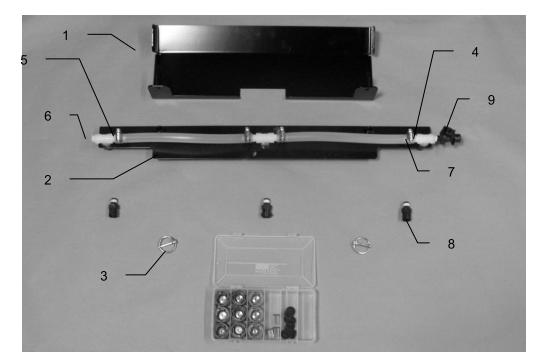
# Parts Breakdown for Drain Fill (Models 434, 440, 442 & 448 only)



Ref	<b>Description</b>	Part #	<u>Qty</u>	<u>Ref</u>	<b>Description</b>	Part #	Qty
1	Straight Fitting	003-A3434	1	5	Male Plug End	002-2205G	1
2	Ball Valve	002-2200	1	6	Elbow	003-EL3434	1
3	Valve Holder	001-6702H	1	7	Jiffy clip	008-9010	1
4	Female Coupler	002-2204A	1	8	Hose clamp	002-9004	2
NP	3/4" Hose	002-9002	6ft	Comp	lete Drain/Fill Kit	030-0493D	)FK

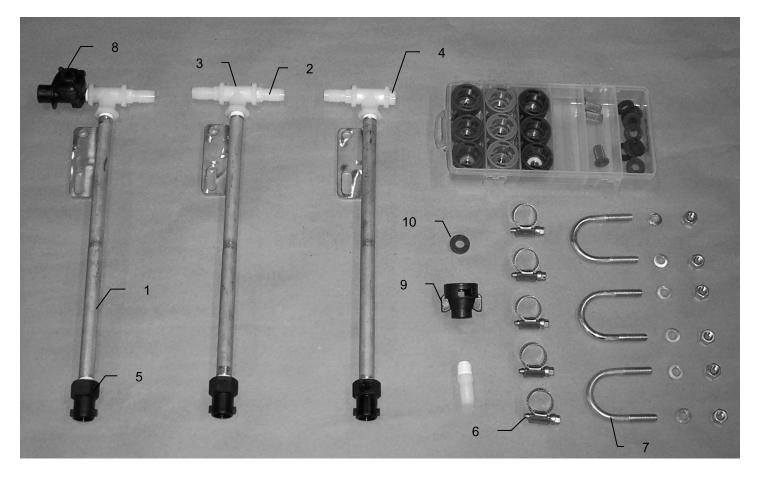
### Parts Breakdowns for Model Specific Installation Kits

Model 442-SO Installation Kit



<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>	<b>Description</b>	Part #	Qty
1	Shield bracket	001-4810BRH	1	Complete Tip Kit	030-9002	
2	Spray shield	001-4810B	1	Tip Kit Includes the Following:		
3	Lynch pin	008-4576	2	Plastic Box	008-9000	1
4	Тее	003-TT14	3	Red Cap	004-1207B	3
5	Straight fitting	003-A1412	5	Outside Tip (Red Set)	004-650050-SS	2
6	Plug	003-F14	1	Inside Tip (Red Set)	004-XR11001VS	1
7	Hose clamp	003-9003	5	Green Cap	004-1207A	3
8	Male quick fitting	004-4710	3	Outside Tip (Green Set)	004-6501-SS	2
9	Check valve	004-1207V	1	Inside Tip (Green Set)	004-XR110015VS	1
				Blue Cap	004-1207C	3
S	hield Only Kit*	030-0442-S	С	Outside Tip (Blue Set)	004-6502-SS	2
	*Does not include	Tip Kit		Inside Tip (Blue Set)	004-XR11002VS	1
				Tip Strainer	004-1203-100	3
				Washer	004-1207W	9

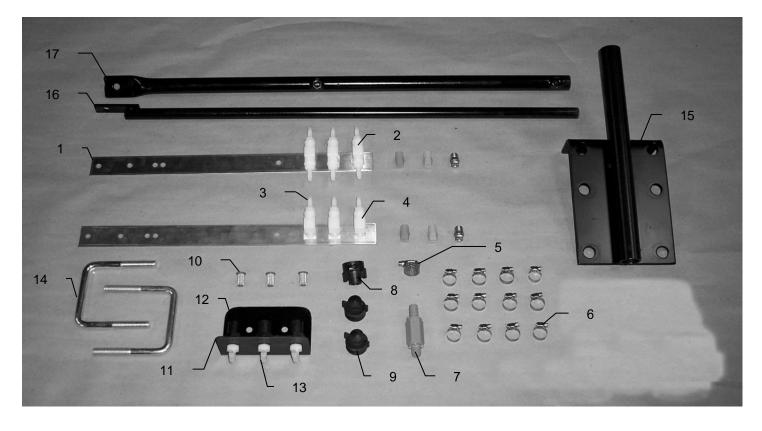
# Model 4400C Installation Kit



<u>Ref</u>	<b>Description</b>	Part#	Qty
1	Nozzle Tube	001-4714	3
2	Straight Fitting	003-A1412	5
3	Тее	003-TT14	3
4	Plug	003-F14	1
5	Nozzle Body	004-1207G	3
6	Hose Clamp	003-9003	5
7	U-Bolt	001-4714UBS	3
8	Check Valve	004-1207V	1
9	Female Disconnect	004-1207H	1
10	Washer	004-1207W	1

<b>Description</b>	Part#	<u>Qty</u>
Tip Kit (Complete)	030-9002	1
Tip Kit Includes:		
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Washer	004-1207W	9
Tip Strainer	004-1203-100	3

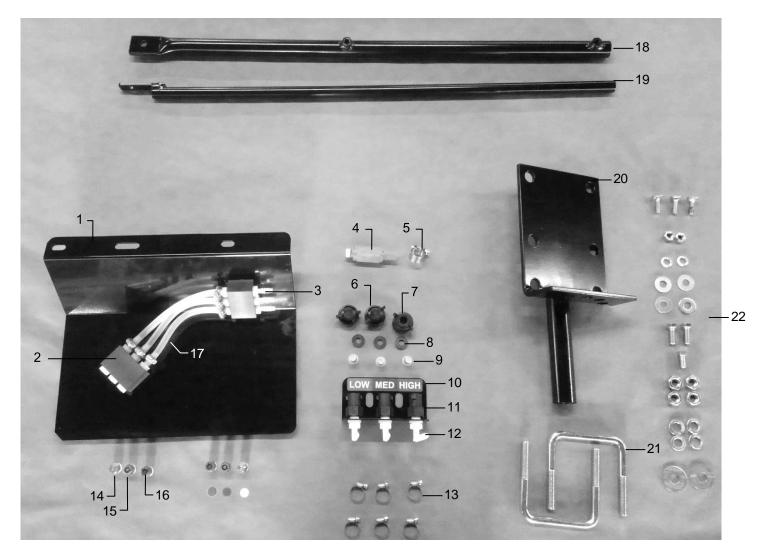
## Model 4409 Installation Kit



<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Nozzle strap	001-4215	2
2	Тее	003-TT14SQ	3
3	Straight fitting	003-A1414	9
4	Elbow	003-SE14F	3
5	Hose clamp	003-9003	1
6	Hose clamp	003-9002	12
7	Check valve	002-4564X	1
8	Female disconnect	004-1207H	1
9	Shutoff cap	004-1207F	2
10	Tip screen	004-1203-200	3
11	Hose manifold	001-4720	1
12	Female coupler	004-1207G	3
13	Elbow	003-EL1414	3
14	U bolt	001-4406A	2
15	Mounting manifold	001-4406	1
16	Inside reach rod	001-4405	1
17	Outside reach rod	001-4404	1

<b>Description</b>	Part#	<u>Qty</u>
Tip – Silver	004-T650050-SS	2
Tip – Pink	004-T6501-PT	2
Tip – Red	004-T6502-PT	2
Washer	004-1207W	3
Hose	002-9016	9 ft.

# Model 4410 Installation Kit



Ref	<b>Description</b>	Part#	Qty
1	Spray Shield	001-4426A	1
2	Manifold Block	003-4435NSB	2
3	Straight Fitting	003-A1414	9
4	Check Valve	002-4564X	1
5	Hose Clamp	003-9003	1
6	Shutoff Cap	004-1207F	2
7	Female Disconnect	004-1207H	1
8	Washer	004-1207W	3
9	Tip strainer	004-1203-200	3
10	Hose manifold	001-4720	1
11	Female coupler	004-1207G	3
12	Elbow	003-EL1414	3

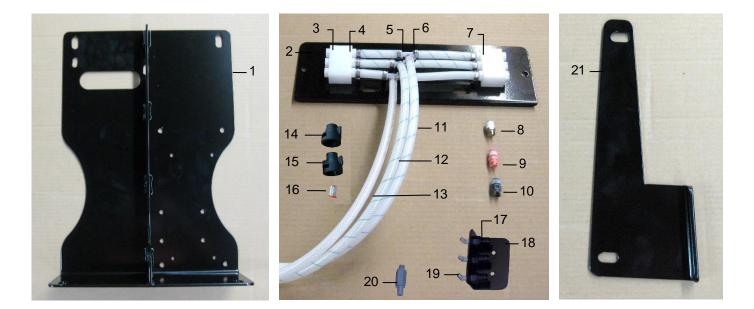
	<b>Description</b>	Part#	<u>Qty</u>
13	Hose clamp	003-9002	12
14	Tip – Silver	004-T650050-SS	2
15	Tip – Pink / Grey	004-T6501-PT	2
16	Tip – Red / Grey	004-T6502-PT	2
17	Hose	002-9016	9 ft.
18	Outside Reach Rod	001-4404	1
19	Inside Reach Rod	001-4405	1
20	Mounting bracket	001-4406	1
21	U bolt	001-4406A	2
22	Mounting Hardware	Gen Hardware	
	Shield Only (Ref 1-17)	030-4410-SO	

# Model 4415 Installation Kit and 4415-SO Installation Kit



<u>Ref</u>	<b>Description</b>	Part#	Qty	<b>Description</b>	Part#	<u>Qty</u>
1	Spray Shield	001-4425C	1	Tip – Orange	004-TX-SS-6	1
2	Nozzle Body	003-M3814NB	1	Tip – Blue	004-TX-SS-12	1
3	Nozzle Body Elbow	003-EL3812NB	1	Tip - Yellow	004-TX-SS-26	1
4	Tip Screen w/ Check	004-4213-100	1			
5	Nozzle Cap	003-BC12	1	Spray Shield Only	030-4415-SO	
6	U Bolt	001-4406A	2	(Parts 1-5, 10-14	4 and Tips)	
7	Mounting Bracket	001-4406	1			
8	Outside Support Rod	001-4404	1	4415-SO Installatio	on Kit 030-4415	-SO
9	Inside Support Rod	001-4405	1	(Does not include p	oarts 6-9 above)	
10	Bracket	001-4425B	2			
11	Jiffy Clip	008-9010	5			
12	Hose Clamp	003-9003	1			
13	Knob	008-0925	2			
14	Plano Tip Box	008-9001	1			

# 4416 Installation Kit

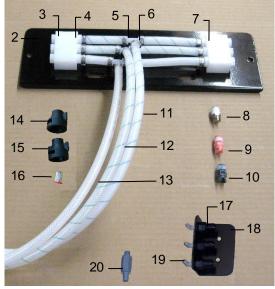


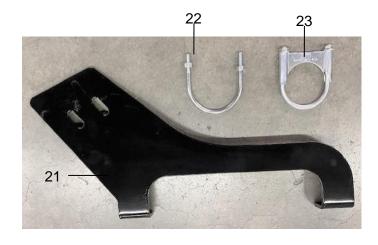
<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Saddle Legs	001-4703Q	2
2	Spray Shield	001-4424A2	1
NP	Spray Sheild Holder	001-4424B	2
3	Plug	003-F14	6
4	Manifold Block	001-4435NSB	2
5	1/2" Otiker Clamp	003-9008	15
6	1/4" Tee	003-T1414	3
7	1/4" Straight fitting	003-A1414	3
8	Stainless Tip (low)	004-T650050-SS	2
9	Pink Tip (med)	004-T6501-PT	2
10	Orange Tip (high)	004-T6502-PT	2
11	1/4" Hose (green)	002-9016G	4
12	1/4" Hose (blue)	002-9016B	4
13	1/4" Hose (clear)	002-9016	4

<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
14	1/4" Female Disconnect	004-1207H	1
15	Shut off cap	004-1207F	2
16	Tip Strainer (200 mesh)	004-1203-200	3
17	Female coupler	004-1207G	3
18	Hose bracket	001-4720	1
19	Elbow	003-EL1414	6
20	Check valve	002-4564X	1
21	Kicker Bracket	001-4703QC	1
NP	Spray Shield Holders	001-4424B	2
NP	Mini Hose Clamp	003-9002	3
NP	Hose Clamp #6	003-9003	1
Spray Shield Only Assembly 030-4416-SO			

(Includes part numbers 2-20)

# 4417 Installation Kit





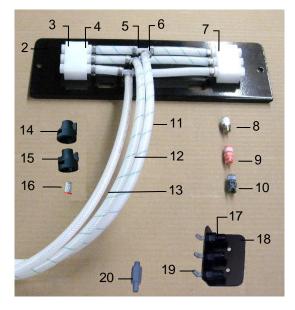
<u>Ref</u>	<b>Description</b>	<u>Part #</u>	<u>Qty</u>
NP	Spray Shield Holder	001-4424B	2
2	Spray Shield	001-4424A2	1
3	Plug	003-F14	6
4	Manifold Block	001-4435NSB	2
5	1/2" Otiker Clamp	003-9008	15
6	1/4" Tee	003-T1414	3
7	1/4" Straight fitting	003-A1414	3
8	Stainless Tip (low)	004-T650050-SS	2
9	Pink Tip (med)	004-T6501-PT	2
10	Orange Tip (high)	004-T6502-PT	2
11	1/4" Hose (green)	002-9016G	4
12	1/4" Hose (blue)	002-9016B	4
13	1/4" Hose (clear)	002-9016	4

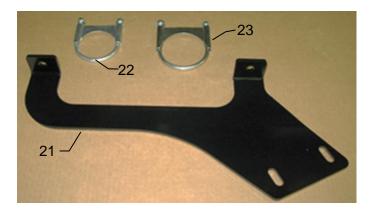
<u>Ref</u>	<b>Description</b>	Part#	Qty
14	1/4" Female Disconnect	004-1207H	1
15	Shut off cap	004-1207F	2
16	Tip Strainer (200 mesh)	004-1203-200	3
17	Female coupler	004-1207G	3
18	Hose bracket	001-4720	1
19	Elbow	003-EL1414	6
20	Check valve	002-4564X	1
NP	Hose Clamp #6	003-9003	1
NP	Mini Hose Clamp	003-9002	3
21	Support Bracket	001-4703QU	1
22	3-7/8" U-Bolt	001-4703QUX	2
23	2-7/8" U-Bolt	001-4703QUB	2
0			

Spray Shield Only Assembly (Does not include parts 21-23)

030-4416-SO

# 4418 Installation Kit



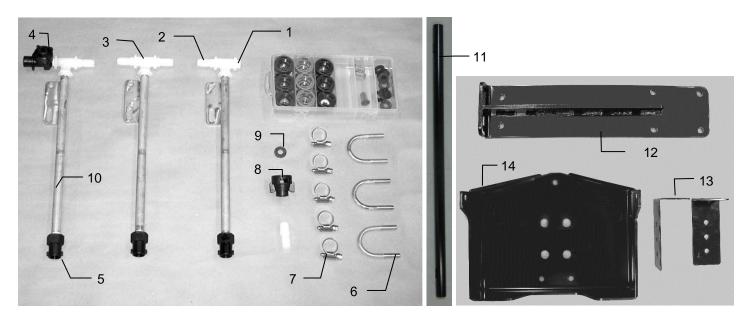


<u>Ref</u>	<b>Description</b>	Part #	Qty
NP	Spray Shield Holder	001-4424B	2
2	Spray Shield	001-4424A2	1
3	Plug	003-F14	6
4	Manifold Block	001-4435NSB	2
5	1/2" Otiker Clamp	003-9008	15
6	1/4" Tee	003-T1414	3
7	1/4" Straight fitting	003-A1414	3
8	Stainless Tip (low)	004-T650050-SS	2
9	Pink Tip (med)	004-T6501-PT	2
10	Orange Tip (high)	004-T6502-PT	2
11	1/4" Hose (green)	002-9016G	4
12	1/4" Hose (blue)	002-9016B	4
13	1/4" Hose (clear)	002-9016	4

Ref	<b>Description</b>	Part#	Qty
14	1/4" Female Disconnect	004-1207H	1
15	Shut off cap	004-1207F	2
16	Tip Strainer (200 mesh)	004-1203-200	3
17	Female coupler	004-1207G	3
18	Hose bracket	001-4720	1
19	Elbow	003-EL1414	6
20	Check valve	002-4564X	1
NP	Hose Clamp #6	003-9003	1
NP	Mini Hose Clamp	003-9002	3
21	Support Bracket	001-4703QT	1
22	2-7/8" U-Bolt	001-4703QUB	1
23	3-3/4" U-Bolt	001-4703QTB	1
	y Shield Only Assembly	030-4416-S0	C

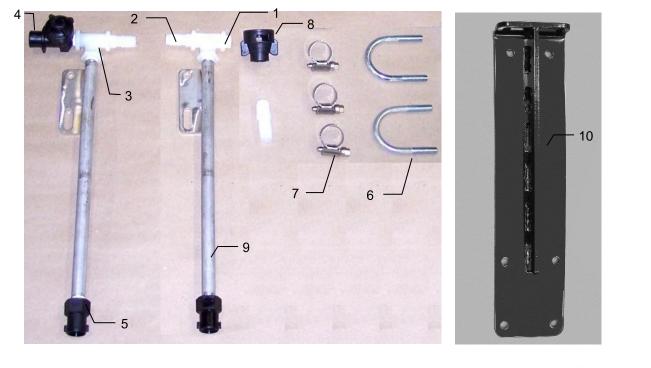
(Does not include parts 21-23)

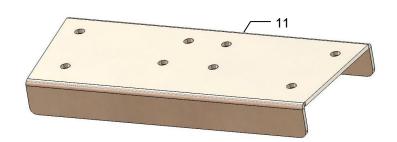
### Model 4481 Installation Kit

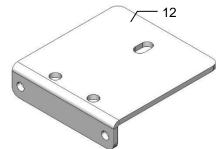


Ref	<b>Description</b>	Part#	Qty	<b>Description</b>	Part#	Qty
1	Plug	003-F14	1	Tip Kit (Complete)	030-9002	1
2	Straight Fitting	003-A1412	5	Tip Kit Includes:		
3	Tee	003-TT14	3	Plastic Box	008-9000	1
4	Check Valve	004-1207V	1	Red Cap	004-1207B	3
5	Female Coupler	004-1207G	3	Outside Tip (Red Set)	004-650050-SS	2
6	U bolt	001-4714UBS	3	Inside Tip (Red Set)	004-XR11001VS	1
7	Hose Clamp	003-9002	5	Green Cap	004-1207A	3
8	Female Disconnect	004-1207H	1	Outside Tip (Green Set)	004-6501-SS	2
9	Washer	004-1207W	1	Inside Tip (Green Set)	004-XR110015VS	1
10	Nozzle Tube	001-4714	3	Blue Cap	004-1207C	3
11	Nozzle Holder	001-4703TP	1	Outside Tip (Blue Set)	004-6502-SS	2
12	Top Support	001-4704MK	1	Inside Tip (Blue Set)	004-XR11002VS	1
13	Pipe Holder	001-4703TH	2	Washer	004-1207W	9
14	Side Support	001-4704MAK	2	Tip Strainer	004-1203-100	3

# Model 4482 Installation Kit



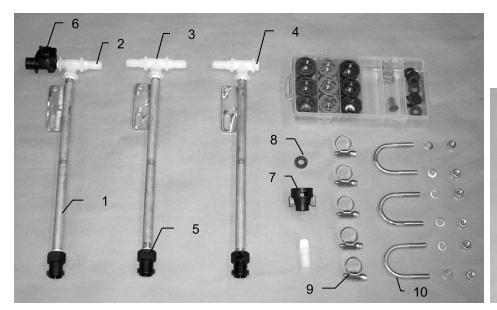


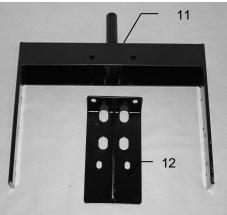


<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Plug	003-F14	1
2	Straight fitting	003-A1412	3
3	Тее	003-TT14	2
4	Check valve	004-1207V	1
5	Female coupler	004-1207G	2
6	U bolt	001-4714UBS	2
7	Hose clamp	003-9003	3
8	Female disconnect	004-1207H	1
9	Nozzle tube	001-4714	2
10	Side Support Leg	001-4704MAK	2
11	Top Tank Support	001-4704MRF	1
12	Front Mounting Plate	001-4703VZ	1

<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
NP	Red Cap	004-1207B	2
	Tip – Orange	004-XR11001VS	2
	Green Cap	004-1207A	2
	Tip - Blue	004-XR11003VS	2
	Blue Cap	004-1207C	2
	Tip-Yellow	004-XR11002VS	2
	Tip Strainer	004-1203-100	2

## Model 4483 Installation Kit

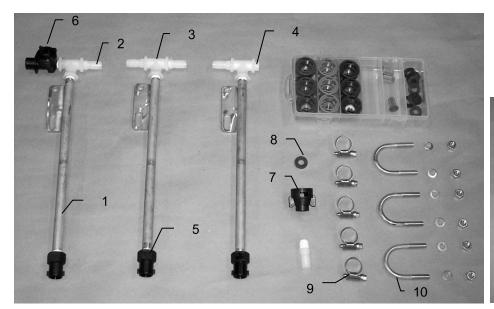




<u>Ref</u>	<b>Description</b>	Part #	Qty
1	Nozzle Tube	001-4714	3
2	Straight Fitting	003-A1412	5
3	Tee	003-TT14	3
4	Plug	003-F14	1
5	Nozzle Body	004-1207G	3
6	Check Valve	004-1207V	1
7	Female Disconnect	004-1207H	1
8	Washer	004-1207W	1
9	Hose Clamp	003-9003	5
10	U-Bolt	001-4714UBS	3
11	Mounting Bracket	001-4411	1
12	Support Bracket	001-4411A	1

<b>Description</b>	Part#	<u>Qty</u>
Tip Kit (Complete)	030-9002	1
Tip Kit Includes:		
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Washer	004-1207W	9
Tip Strainer	004-1203-100	3

### Model 4484 Installation Kit

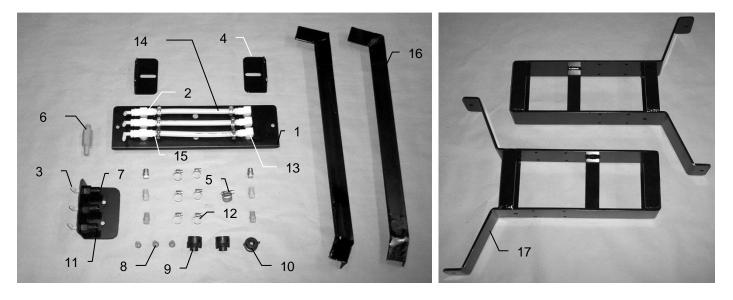




<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Nozzle Tube	001-4714	3
2	Straight Fitting	003-A1412	5
3	Тее	003-TT14	3
4	Plug	003-F14	1
5	Nozzle Body	004-1207G	3
6	Check Valve	004-1207V	1
7	Female Disconnect	004-1207H	1
8	Washer	004-1207W	1
9	Hose Clamp	003-9003	5
10	U-Bolt	001-4714UBS	3
11	Mounting Bracket	001-4418	1
12	Outer Reach Rod	001-4404	2
13	Inner Reach Rod	001-4405	2

<b>Description</b>	Part#	<u>Qty</u>
Tip Kit (Complete)	030-9002	1
Tip Kit Includes:		
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Washer	004-1207W	9
Tip Strainer	004-1203-100	3

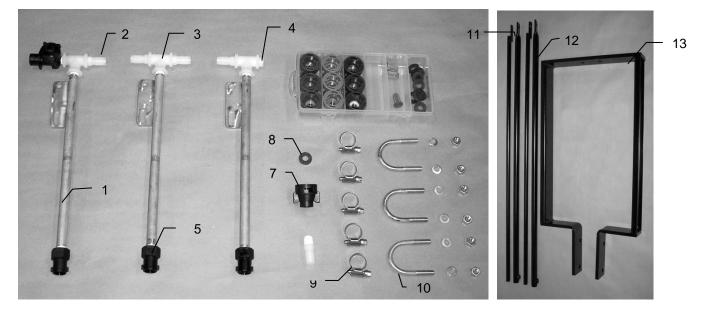
# Model 4485 Installation Kit



<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Spray Shield	001-4424A	1
2	Tee	003-TT14SQ	3
3	Elbow	003-EL1414	6
4	Shield Holder	001-4424B	2
5	Hose Clamp	003-9003	1
6	Check Valve	002-4564X	1
7	Hose Bracket	001-4720	1
8	Tip Strainer	004-1203-200	3
9	Shutoff Cap	004-1207F	2
NP	Cap Washer	004-1207W	3
10	Female Disconnect	004-1207H	1
11	Female Coupler	004-1207G	3
12	Hose Clamp	003-9002	12
13	Elbow	003-SE14F	3
14	Hose	002-9016	9 ft
15	Straight Fitting	003-A1414	3
16	Leg Support	001-4424C	2
17	Saddle Leg	001-4703B	2

Ref	<b>Description</b>	Part#	Qty
NP	Tip – Silver	004-T650050-SS	2
NP	Tip – Pink	004-T6501-PT	2
NP	Tip – Red	004-T6502-PT	2

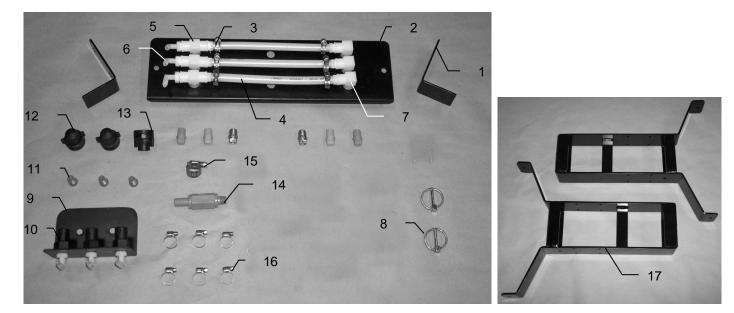
# Model 4486 Installation Kit



Ref	<b>Description</b>	<u>Part #</u>	Qty
1	Nozzle Tube	001-4714	3
2	Straight Fitting	003-A1412	5
3	Tee	003-TT14	3
4	Plug	003-F14	1
5	Nozzle Body	004-1207G	3
6	Check Valve	004-1207V	1
7	Female Disconnect	004-1207H	1
8	Washer	004-1207W	1
9	Hose clamp	003-9003	5
10	U-Bolt	001-4714UBS	3
11	Mounting Bracket	001-4420	1
12	Outer Reach Rod	001-4404A	2
13	Inner Reach Rod	001-4405A	2

Description	Part #	Qty
Tip Kit (Complete)	030-9002	1
Tip Kit Includes:		
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Washer	004-1207W	9
Tip Strainer	004-1203-100	3

# Model 4502 Installation Kit



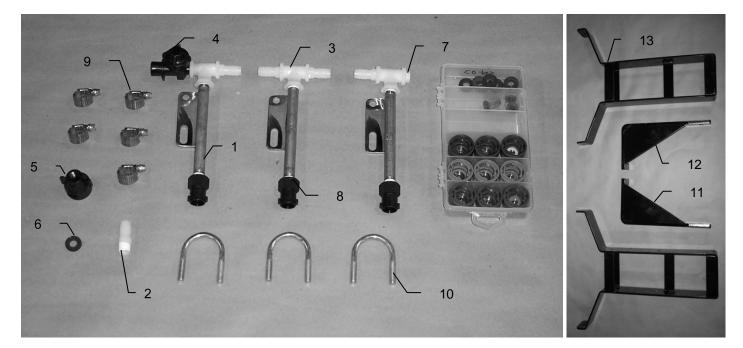
<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Shield Holder	001-4703I	2
2	Spray Shield	001-4703G	1
3	Straight Fitting	003-A1414	6
4	Hose	002-9016	9 ft
5	Тее	003-TT14SQ	3
6	Elbow	003-EL1414	6
7	Elbow	003-SE14F	3
8	Lynch Pin	008-4576	2
9	Hose Bracket	001-4720	1
10	Female Coupler	004-1207G	3
11	Tip Strainer	004-1203-200	3
12	Shutoff Cap	004-1207F	2
NP	Cap Washer	004-1207W	3
13	Female Disconnect	004-1207H	1
14	Check Valve	002-4564X	1
15	Hose Clamp	002-9003	1
16	Hose Clamp	003-9002	12
17	Saddle Leg	001-4703B	2

<u>Ref</u>	<b>Description</b>	Part#
NP	Tip – Silver	004-T65
NP	Tip – Pink	004-T65
NP	Tip – Red	004-T65

5	2

650050-SS	2
6501-PT	2
6502-PT	2

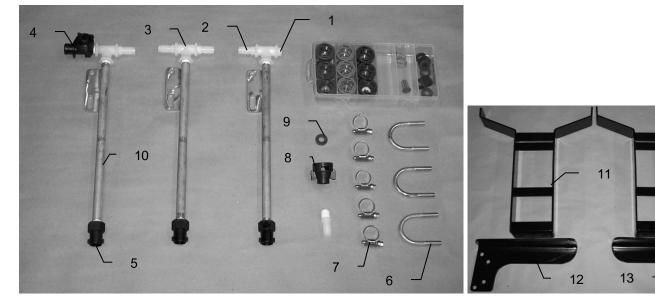
# Model 4503 Installation Kit



<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Nozzle Tube	001-4714P	3
2	Straight Fitting	003-A1412	5
3	Tee	003-TT14	3
4	Check Valve	004-1207V	1
5	Female Disconnect	004-1207H	1
6	Washer	004-1207W	1
7	Plug	003-F14	1
8	Nozzle Body	004-1207G	3
9	Hose Clamp	003-9003	5
10	U-Bolt	001-4714UBS	3
11	Left Mount Bracket	001-4703EL	1
12	Right Mount Bracket	001-4703ER	1
13	Saddle Leg	001-4703B	2
NP	45 Degree Elbows	003-SE4514	3
NP	Jack Extension	001-4703EXT	1

<b>Description</b>	Part#	Qty
Tip Kit (Complete)	030-9002	1
Tip Kit Includes:		
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Washer	004-1207W	9
Tip Strainer	004-1203-100	3

### Model 4504 Installation Kit

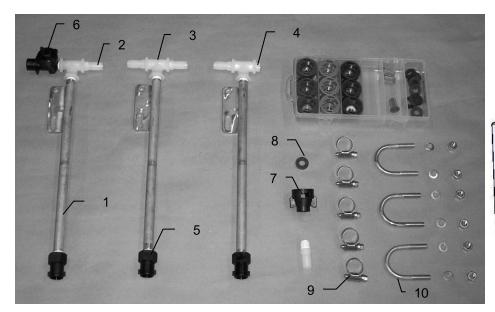


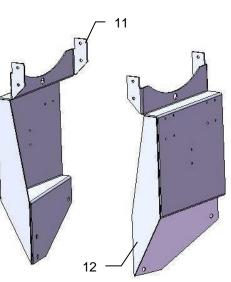
Ref	Description	Part#	Qty
1	Plug	003-F14	1
2	Straight Fitting	003-A1412	5
3	Tee	003-TT14	3
4	Check Valve	004-1207V	1
5	Female Coupler	004-1207G	3
6	U Bolt	001-4714UBS	3
7	Hose Clamp	003-9002	5
8	Female Disconnect	004-1207H	1
9	Washer	004-1207W	1
10	Nozzle Tube	001-4714	3
11	Saddle Leg	001-4703B	2
12	Left Mount Bracket	001-4703DL	1
13	Right Mount Bracket	001-4703DR	1

Description	Part#
Tip Kit (Complete)	030-9002
Tip Kit Includes:	
Plastic Box	008-9000
Red Cap	004-1207B
Outside Tip (Red Set)	004-650050-SS
Inside Tip (Red Set)	004-XR11001VS
Green Cap	004-1207A
Outside Tip (Green Set)	004-6501-SS
Inside Tip (Green Set)	004-XR110015VS
Blue Cap	004-1207C
Outside Tip (Blue Set)	004-6502-SS
Inside Tip (Blue Set)	004-XR11002VS
Washer	004-1207W
Tip Strainer	004-1203-100

<u>Qty</u> 

# Model 4505 Installation Kit

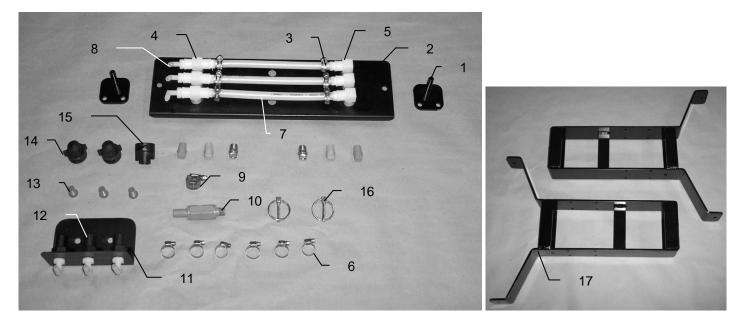




<u>Ref</u>	<b>Description</b>	<u>Part #</u>	<u>Qty</u>
1	Nozzle Tube	001-4714	3
2	Straight Fitting	003-A1412	5
3	Tee	003-TT14	3
4	Plug	003-F14	1
5	Nozzle Body	004-1207G	3
6	Check Valve	004-1207V	1
7	Female Disconnect	004-1207H	1
8	Washer	004-1207W	1
9	Hose lamp	003-9003	5
10	U-Bolt	001-4714UBS	3
11	Left Leg	001-4703FL	1
12	Right Leg	001-4703FR	1

<b>Description</b>	Part#	<u>Qty</u>
Tip Kit (Complete)	030-9002	1
Tip Kit Includes:		
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Washer	004-1207W	9
Tip Strainer	004-1203-100	3

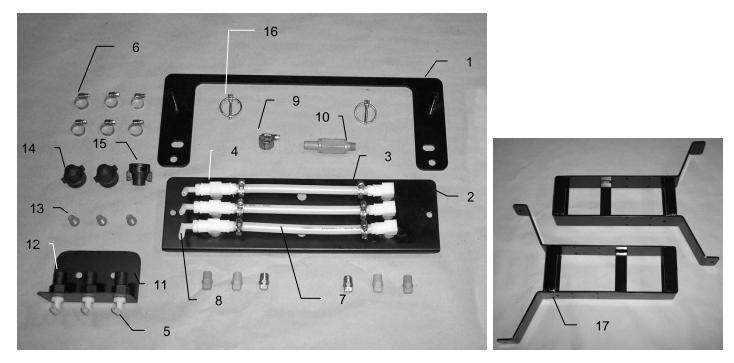
## Model 4506 Installation Kit



<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Shield holder	001-4703H	2
2	Spray shield	001-4703G	1
3	Straight fitting	003-A1414	6
4	Tee	003-TT14SQ	3
5	Elbow	003-SE14F	3
6	Hose clamp	003-9002	12
7	Hose	002-9016	6
8	Elbow	003-EL1414	6
9	Hose clamp	003-9003	1
10	Check valve	002-4564X	1
11	Hose bracket	001-4720	1
12	Female coupler	004-1207G	3
13	Tip strainer	004-1203-200	3
14	Shutoff cap	004-1207F	2
15	Female disconnect	004-1207H	1
16	Lynch pin	008-4576	2
17	Saddle leg	001-4703B	2

<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
NP	Tip – Silver	004-T650050-SS	2
NP	Tip – Pink	004-T6501-PT	2
NP	Tip – Red	004-T6502-PT	2
NP	Washer	004-1207W	3
NP	Not pictured		

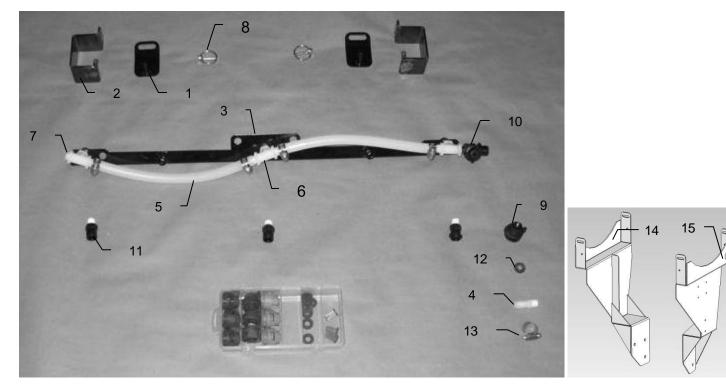
# Model 4507 Installation Kit



Ref	<b>Description</b>	Part#	<u>Qty</u>
1	Shield holder	001-4703J	1
2	Spray shield	001-4703G	1
3	Straight fitting	003-A1414	6
4	Tee	003-TT14SQ	3
5	Elbow	003-SE14F	3
6	Hose clamp	003-9002	12
7	Hose	002-9016	9 ft
8	Elbow	003-EL1414	6
9	Hose clamp	003-9003	1
10	Check valve	002-4564X	1
11	Hose bracket	001-4720	1
12	Female coupler	004-1207G	3
13	Tip strainer	004-1203-200	3
14	Shutoff cap	004-1207F	2
15	Female disconnect	004-1207H	1
16	Lynch pin	008-4576	2
17	Saddle leg	001-4703B	2

<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
NP	Tip – Silver	004-T650050-SS	2
NP	Tip – Pink	004-T6501-PT	2
NP	Tip – Red	004-T6502-PT	2
NP	Washer	004-1207W	3
NP	Not pictured		

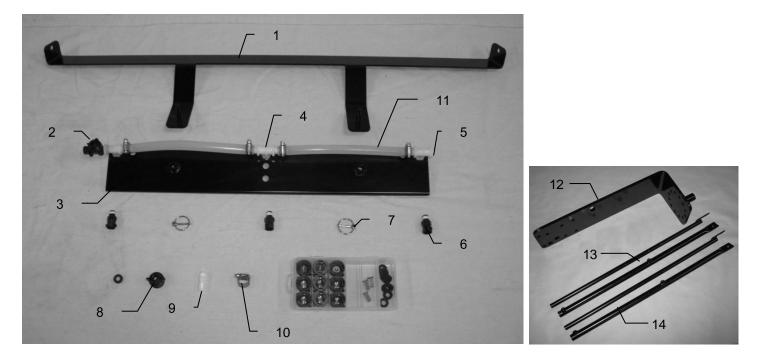
# Model 4508 Installation Kit



<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Shield holder	001-4703JB	2
2	Shield holder	001-4703JC	2
3	Spray shield	001-4703GR	1
4	Straight fitting	003-A1412	5
5	Hose	002-9001	2
6	Тее	003-TT14	3
7	Plug	003-F14	1
8	Lynch pin	008-4576	2
9	Female disconnect	004-1207H	1
10	Check valve	004-1207V	1
11	Nozzle body	004-4710	3
12	Washer	004-1207W	1
13	Hose clamp	003-9003	5
14	Right leg	001-4703K	1
15	Left leg	001-4703L	1

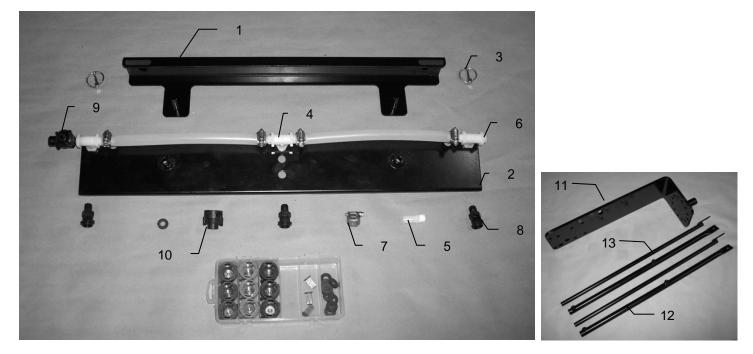
<u>Part#</u> 030-9002	<u>Qty</u> 1
008-9000	1
004-1207B	3
004-650050-SS	2
004-XR11001VS	1
004-1207A	3
004-6501-SS	2
004-XR110015VS	1
004-1207C	3
004-6502-SS	2
004-XR11002VS	1
004-1207W	9
004-1203-100	3
	030-9002 008-9000 004-1207B 004-650050-SS 004-XR11001VS 004-1207A 004-6501-SS 004-XR110015VS 004-1207C 004-6502-SS 004-XR11002VS 004-1207W

# Model 4512 Installation Kit



<u>Ref</u>	Description	Part #	Qty	Description	Part #
1	Shield holder	001-4704E	1	Tip Kit (Complete)	030-9002
2	Check valve	004-1207V	1	Plastic Box	008-9000
3	Spray shield	001-4703GR	1	Red Cap	004-1207B
4	Tee	003-TT14	3	Outside Tip (Red Set)	004-650050-SS
5	Plug	003-F14	1	Inside Tip (Red Set)	004-XR11001VS
6	Nozzle body	004-4710	3	Green Cap	004-1207A
7	Lynch pin	008-4576	2	Outside Tip (Green Set)	004-6501-SS
8	Female disconnect	004-1207H	1	Inside Tip (Green Set)	004-XR110015VS
9	Straight fitting	003-A1412	5	Blue Cap	004-1207C
10	Hose clamp	003-9003	5	Outside Tip (Blue Set)	004-6502-SS
11	Hose	002-9001	2	Inside Tip (Blue Set)	004-XR11002VS
12	Mounting bracket	001-4418	1	Tip strainer	004-1203-100
13	Inside support rod	001-4405	2	Washer	004-1207W
14	Outside support rod	001-4404	2		

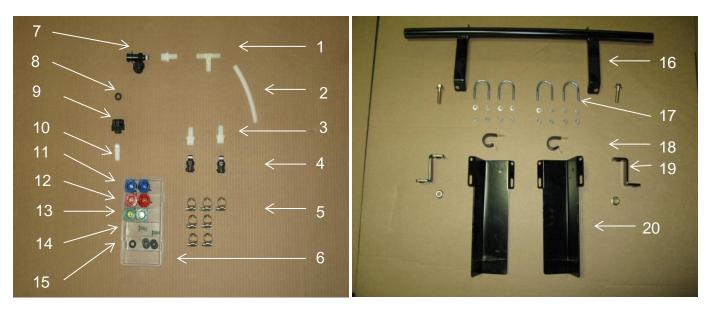
# Model 4513 installation



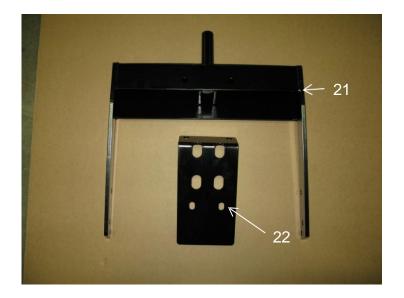
<u>Ref</u>	<b>Description</b>	<u>Part #</u>	<u>Qty</u>
1	Shield bracket	001-4704D	1
2	Spray shield	001-4703GR	1
3	Lynch pin	008-4576	2
4	Tee	003-TT14	3
5	Straight fitting	003-A1412	5
6	Plug	003-F14	1
7	Hose clamp	003-9003	5
8	Male quick fitting	004-4710	3
9	Check valve	004-1207V	1
10	Female disconnect	004-1207H	1
11	Mounting bracket	001-4418	1
12	Outside support rod	001-4404	2
13	Inside support rod	001-4405	2

Description	Part #	Qty
Tip Kit (Complete)	030-9002	1
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Tip strainer	004-1203-100	3
Washer	004-1207W	9

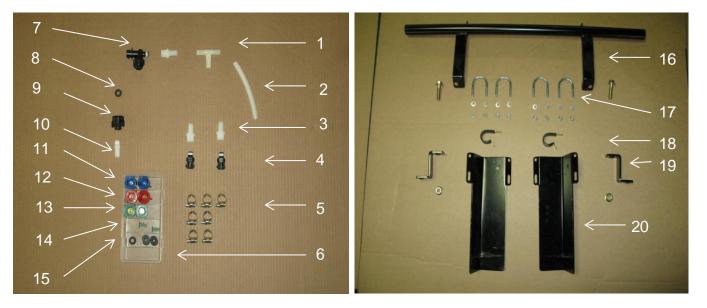
### Model 4516 Installation Kit John Deere 8 & 9 Series Balers



Ref	<b>Description</b>	Part #	Qty	Ref	<b>Description</b>	Part #	<u>Qty</u>
1	Тее	003-T1212	1	14	Strainer	004-1203-100	2
2	Hose	002-9001	4 ft	15	Rubber Washer	004-1207W	6
3	Fitting	003-A1412F	3	16	Nozzle Holder	001-4703R	1
4	Fitting	004-4710	2	17	5/16" U-bolt	001-4714UBS	4
5	Hose Clamps	003-9003	7	18	Jiffy Clips	008-9009	2
6	PLANO BOX	008-9000	1	19	Spacer	001-4703NS	2
7	Check Valve	004-1207V	1	20	Nozzle Mount	001-4714J	2
8	Rubber Washer	004-1207W	6	21	Mounting Bracket	001-4411	1
9	Coupler	004-1207H	1	22	Support	001-4411A	1
10	Fitting	003-A1412	1				
11	Cap-blue	004-1207C	2	11a	TIP-Blue	004-XR11003VS	2
12	Cap-red	004-1207B	2	12a	TIP-Orange	004-XR11001VS	2
13	Cap-green	004-1207A	2	13a	TIP-Yellow	004-XR11002VS	2



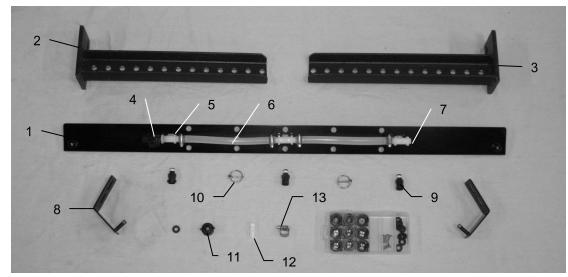
### Model 4517 Installation Kit John Deere 8 & 9 Series Balers



<u>Ref</u>	<b>Description</b>	Part #	Qty	<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Тее	003-T1212	1	14	Strainer	004-1203-100	2
2	Hose	002-9001	4 ft	15	Rubber Washer	004-1207W	6
3	Fitting	003-A1412F	3	16	Nozzle Holder	001-4703R	1
4	Fitting	004-4710	2	17	5/16" U-bolt	001-4714UBS	4
5	Hose Clamps	003-9003	7	18	Jiffy Clips	008-9009	2
6	PLANO BOX	008-9000	1	19	Spacer	001-4703NS	2
7	Check Valve	004-1207V	1	20	Nozzle Mount	001-4714J	2
8	Rubber Washer	004-1207W	6	21	Saddle Leg	001-4703B	2
9	Coupler	004-1207H	1	22	Right Bracket	001-4703DR	1
10	Fitting	003-A1412	1	23	Left Bracket	001-4703DL	1
11	Cap-blue	004-1207C	2	11a	TIP-Blue	004-XR11003VS	2
12	Cap-red	004-1207B	2	12a	TIP-Orange	004-XR11001VS	2
13	Cap-green	004-1207A	2	13a	TIP-Yellow	004-XR11002VS	2



## Model 4523 Installation Kit

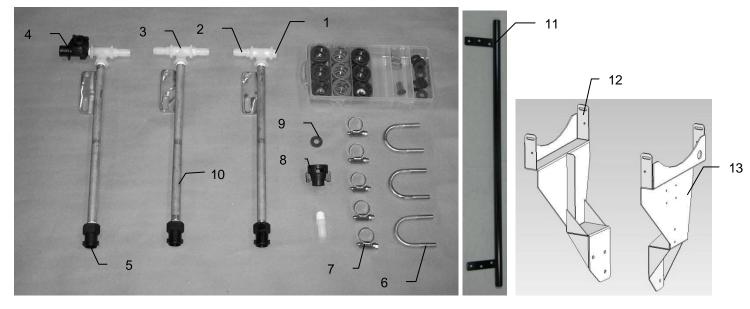




<u>Qty</u>

<u>Ref</u>	<b>Description</b>	<u>Part #</u>	<u>Qty</u>	<b>Description</b>	Part #
1	Spray shield	001-4704G	1	Tip Kit (Complete)	030-9002
2	Support leg right	001-4704JR	1	Tip Kit Includes:	
3	Support leg left	001-4704JL	1	Plastic Box	008-9000
4	Check valve	004-1207V	1	Red Cap	004-1207B
5	Tee	003-TT14	3	Outside Tip (Red Set)	004-650050-SS
6	Hose	002-9001	2	Inside Tip (Red Set)	004-XR11001VS
7	Plug	003-F14	1	Green Cap	004-1207A
8	Shield hanger	001-4704H	2	Outside Tip (Green Set)	004-6501-SS
9	Nozzle body	004-4710	3	Inside Tip (Green Set)	004-XR110015VS
10	Lynch pin	008-4576	2	Blue Cap	004-1207C
11	Coupler	004-1207H	1	Outside Tip (Blue Set)	004-6502-SS
12	Straight fitting	003-A1412	5	Inside Tip (Blue Set)	004-XR11002VS
13	Hose clamp	003-9003	5	Washer	004-1207W
14	Saddle legs	004-4703B	2	Tip Strainer	004-1203-100

## Model 4524 Installation Kit

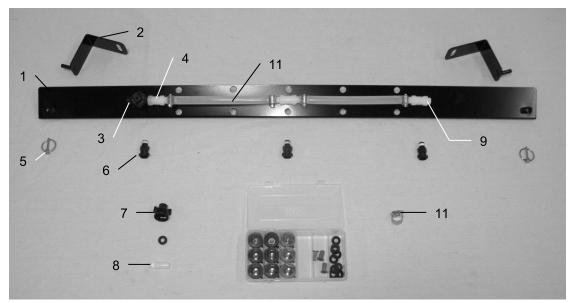


<u>Ref</u>	<b>Description</b>	Part#	<u>Qty</u>
1	Plug	003-F14	1
2	Straight fitting	003-A1412	5
3	Tee	003-TT14	3
4	Check valve	004-1207V	1
5	Female coupler	004-1207G	3
6	U bolt	001-4714UBS	3
7	Hose clamp	003-9002	5
8	Female disconnect	004-1207H	1
9	Washer	004-1207W	1
10	Nozzle tube	001-4714	3
11	Nozzle holder	001-4703T	1
12	Right leg	001-4703K	1
13	Left leg	001-4703L	1

Description	Pa
Tip Kit (Complete)	030
Tip Kit Includes:	
Plastic Box	008
Red Cap	004
Outside Tip (Red Set)	004
Inside Tip (Red Set)	004
Green Cap	004
Outside Tip (Green Set)	004
Inside Tip (Green Set)	004
Blue Cap	004
Outside Tip (Blue Set)	004
Inside Tip (Blue Set)	004
Washer	004
Tip Strainer	004

<u>Part#</u> 030-9002	<u>Qty</u> 1
000 0002	
008-9000	1
004-1207B	3
004-650050-SS	2
004-XR11001VS	1
004-1207A	3
004-6501-SS	2
004-XR110015VS	1
004-1207C	3
004-6502-SS	2
004-XR11002VS	1
004-1207W	9
004-1203-100	3

# Model 4526 Installation Kit





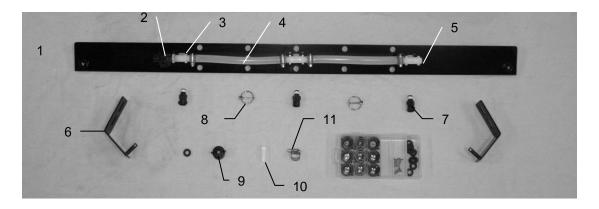
<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Spray shield	001-4704G	1
2	Shield hanger	001-4704MC	2
3	Check valve	004-1207V	1
4	Tee	003-TT14	3
5	Lynch pin	008-4576	2
6	Nozzle body	004-4710	3
7	Coupler	004-1207H	1
8	Straight fitting	003-A1412	5
9	Plug	003-F14	1
10	Hose clamp	003-9003	5
11	Hose	002-9001	2
12	Mounting bracket	001-4704MA	1
13	Saddle legs	001-4703B	2

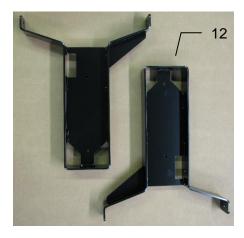
<b>Description</b>	Pa
Tip Kit (Complete)	03
Tip Kit Includes:	
Plastic Box	00
Red Cap	00
Outside Tip (Red Set)	00
Inside Tip (Red Set)	00
Green Cap	00
Outside Tip (Green Set)	00
Inside Tip (Green Set)	00
Blue Cap	00
Outside Tip (Blue Set)	00
Inside Tip (Blue Set)	00
Washer	00
Tip Strainer	00

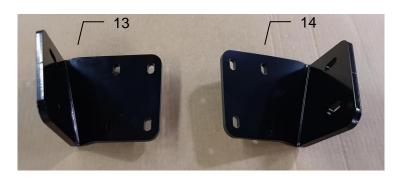
Part #	<u>Qty</u>
030-9002	1
008-9000	1
004-1207B	3
004-650050-SS	2
004-XR11001VS	1
004-1207A	3
004-6501-SS	2
004-XR110015VS	1
004-1207C	3
004-6502-SS	2
004-XR11002VS	1
004-1207W	9
004-1203-100	3



# Model 4531 Installation Kit





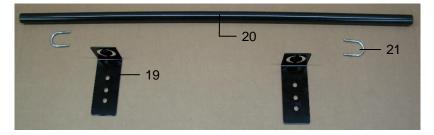


Ref	<b>Description</b>	Part #	<u>Qty</u>
1	Spray shield	001-4704G	1
2	Check valve	004-1207V	1
3	Tee	003-TT14	3
4	Hose	002-9001	2
5	Plug	003-F14	1
6	Shield hanger	001-4704H	2
7	Nozzle body	004-4710	3
8	Lynch pin	008-4576	2
9	Coupler	004-1207H	1
10	Straight fitting	003-A1412	5
11	Hose clamp	003-9003	5
12	Saddle legs	004-4703B	2
13	Left leg support	001-ACX2873560	1
14	Rt. Leg support	001-ACX2873280	1

<b>Description</b>	Part #	<u>Qty</u>
Tip Kit (Complete)	030-9002	1
Tip Kit Includes:		
Plastic Box	008-9000	1
Red Cap	004-1207B	3
Outside Tip (Red Set)	004-650050-SS	2
Inside Tip (Red Set)	004-XR11001VS	1
Green Cap	004-1207A	3
Outside Tip (Green Set)	004-6501-SS	2
Inside Tip (Green Set)	004-XR110015VS	1
Blue Cap	004-1207C	3
Outside Tip (Blue Set)	004-6502-SS	2
Inside Tip (Blue Set)	004-XR11002VS	1
Washer	004-1207W	9
Tip Strainer	004-1203-100	3
Spray Shield Only	030-4523-SO	
Tank Mount Kit (#12-14)	TMK-4531	

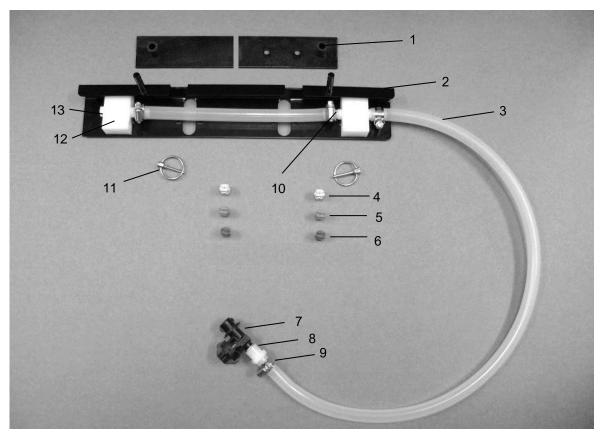
## Model 4538 Installation Kit



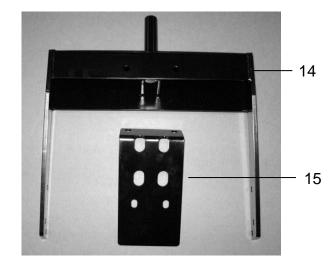


<u>Ref</u>	<b>Description</b>	Part #	Qty	<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Tee	003-T1212	1	14	Tank Leg – Long	001-4703B	2
2	Hose	002-9001	2 ft	15	Nozzle Holder	001-4714JS	2
3	Fitting	003-A1412F	3	16	Side Support	001-4704MA	2
4	Fitting	004-4710	2	17	Brace Support	001-4704MDJ	2
5	Hose Clamps	003-9003	5	18	Top Support	001-4704MEJ	1
6	Plano Box	008-9000	1	19	Nozzle Mount	001-4703TP	2
7	Check Valve	004-1207V	1	20	Tube Holder	001-4703TH	1
8	Coupler	004-1207H	1	21	U-bolt	001-4714UBS	6
9	Fitting	003-A1412	1				
10	Cap-blue	004-1207C	2	NP	Oetiker Clamp	003-9005	4
11	Cap-red	004-1207B	2	NP	TIP-Blue	004-XR11003VS	2
12	Cap-green	004-1207A	2	NP	TIP-Orange	004-XR11001VS	2
13	Strainer	004-1203-100	2	NP	TIP-Yellow	004-XR11002VS	2

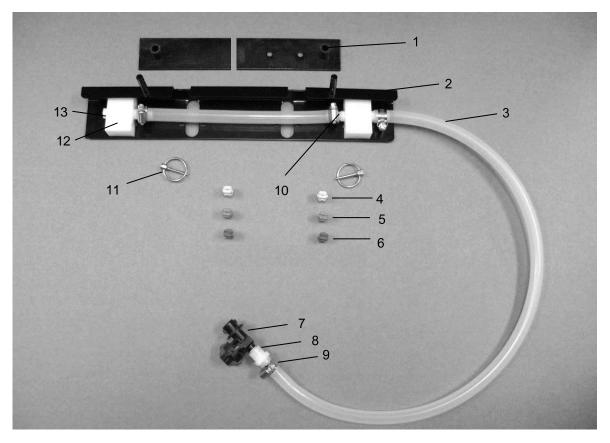
### Model 4546 Installation Kit John Deere 0 Series Round Balers



<u>Ref</u>	<b>Description</b>	Part #	Qty	<u>Ref</u>	<b>Description</b>	Part #	Qty
1	Holder	001-4435NCX2	2	11	Lynch Pin	008-4576	2
2	Shield	001-4435NSX	1	12	Manifold Block	001-4435NSB	2
3	Hose-1/2"	002-9001	4 ft	13	Fitting	003-F14	1
4	Tip-Pink / Grey	004-T8001-PT	2	14	Mounting Bracket	001-4411	1
5	Tip-Orange / Grey	004-T8002-PT	2	15	Support	001-4411A	1
6	Tip-Red / Grey	004-T8003-PT	2	NP	Strainer	004-1203-100	1
7	Check Valve	004-1207V	1	NP	Clamping UBolt 2"	001-4714UBX	1
8	Fitting	003-A1412F	1	NP	Female 1/4" Disconnect	004-1207H	1
9	Hose Clamp	003-9003	4	NP	Mini Plano Box	008-9001	1
10	Fitting	003-A1412	4				



### Model 4547 Installation Kit John Deere 0 Series Round Balers

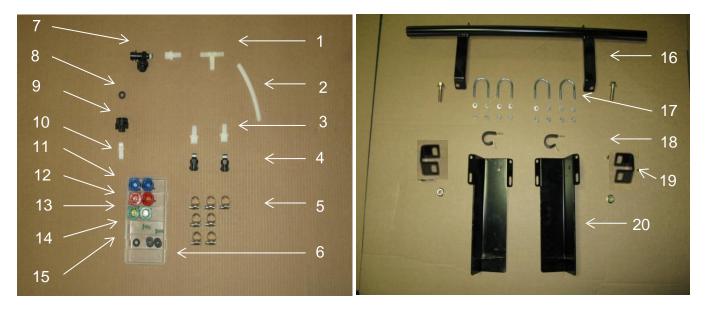


<u>Ref</u>	<b>Description</b>	Part #	Qty	<u>Ref</u>	<b>Description</b>	Part #	<u>Qty</u>
1	Holder	001-4435NCX2	2	12	Manifold Block	001-4435NSB	2
2	Shield	001-4435NSX	1	13	Fitting	003-F14	1
3	Hose-1/2"	002-9001	4 ft	14	Mounting Bracket	001-4411	1
4	Tip-Pink / Grey	004-T8001-PT	2	15	Support	001-4411A	1
5	Tip-Orange / Grey	004-T8002-PT	2	16	Saddle Leg	001-4703B	2
6	Tip-Red / Grey	004-T8003-PT	2	17	Right Bracket	001-4703DR	1
7	Check Valve	004-1207V	1	18	Left Bracket	001-4703DL	1
8	Fitting	003-A1412F	1	NP	Strainer	004-1203-100	1
9	Hose Clamp	003-9003	4	NP	Clamping UBolt 2"	001-4714UBX	2
10	Fitting	003-A1412	4	NP	Female 1/4" Disconnect	004-1207H	1
11	Lynch Pin	008-4576	2	NP	Mini Plano Box	008-9001	1



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# Model 4549 Installation Kit



<u>Ref</u>	<b>Description</b>	Part #	Qty
1	Tee	003-T1212	1
2	Hose	002-9001	4 ft
3	Fitting	003-A1412F	3
4	Fitting	004-4710	2
5	Hose Clamps	003-9003	7
6	PLANO BOX	008-9000	1
7	Check Valve	004-1207V	1
8	Rubber Washer	004-1207W	6
9	Coupler	004-1207H	1
10	Fitting	003-A1412	1
11	Cap-blue	004-1207C	2
12	Cap-red	004-1207B	2
13	Cap-green	004-1207A	2
11a	TIP-Blue	004-XR11003VS	2
12a	TIP-Orange	004-XR11001VS	2
13a	TIP-Yellow	004-XR11002VS	2

<u>Ref</u>	<b>Description</b>	Part #	Qty
14	Strainer	004-1203-100	2
15	Rubber Washer	004-1207W	6
16	Nozzle Holder	001-4703R	1
17	5/16" U-bolt	001-4714UBS	4
18	Jiffy Clips	008-9009	2
19	Spacer	001-4703NV	2
20	Nozzle Mount	001-4714J	2
21	Saddle Leg	001-4703B	2
22	Mounting Bracket	001-4703F	2
23	Hinge	001-4703VHG	2
24	Latch	001-4703CL	1
Tank Mount Kit (20-24)		TMK-4549	
Shield Mount Kit (16,19)		SMK-4549	
Complete Assembly		030-4549	





# NOTES

## NOTES

### Harvest Tec Inc. Warranty and Liability Agreement

Harvest Tec, Inc. 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, Inc. 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, Inc.

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, Inc. 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, Inc. 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, Inc. 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, Inc. will not affect our ability to obtain materials or manufacture necessary replacement parts.

Harvest Tec, Inc. reserves the right to make design changes, improve design, or change specifications, at any time without any contingent obligation to purchasers of machines and parts previously sold.

Revised 4/17

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