

Installation Manual

Model 491

100 & 110 Gallon Preservative



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Introduction

Read this manual carefully to ensure correct steps are done to attach the applicator to the baler. This applicator is designed to apply Harvest Tec buffered acid. The model 491 base kit 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 (not included.) Before installing the unit on the baler, make sure you have the proper installation kit. (See the chart below.) If you are unsure about your installation kit contact your local dealer for specifications. This applicator is crop eye compatible (Nov. 2003 and newer.) For your convenience we have included a parts break down in the back of this manual.

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

Installation Kit Reference Chart:

Baler Make	Model	Install kit
AGCO	4750-4755	030-4490
	4760	030-4494
	4790	030-4492
	4900-4910	030-4491
	4760 Roto-Cutter	030-4500
	4790 Roto-Cutter	030-4501
	7430	030-4494
	7430 Roto-Cutter	030-4500
	7433-7444	030-4518
	7433-7434 Roto-Cutter	030-4519
CASE IH	8570-8575	030-4490
	8585	030-4492
	8580-8590	030-4491
	LBX331-432 Std or Packer	030-4495
	LBX331-432 Roto-Cutter	030-4497
	LB 333 – LB343 Std or Packer	030-4495
	LB 333 – LB433 Roto-Cutter	030-4497
	LB 433 (2011 and newer) Std or Packer	030-4528
	LB 433 (2011 and newer) Roto-Cutter	030-4529

CHALLENGER	LB33	030-4494
	LB34	030-4492
	LB44	030-4491
	LB33B – LB44B	030-4518
	LB33B – LB34B Roto-Cutter	030-4519
	LB33B – LB34B Packer Cutter	030-4527
CLAAS	2200 / 1200 / 3200 / 3400	030-4499
	2100	030-4509
	3300	030-4537
KRONE	VFS 88	030-4498
	VFS 88 Cutter	030-4495
	VFS 128	030-4498
	VFS 128 Cutter	030-4495
	890 – 12130 XC	030-4514
	890 – 12130	030-4515
	BP 4x4, BP 4x4 HS	030-4539
	890 XC High Speed	030-4540
	1270, 1290, 1290HDP, 4x4 XC HS	030-4541
KUHN	LSB 870 – 890	030-4510
	LSB1270 – 1290	030-4511
	Omni-Cut	030-4525
JOHN DEERE	L330 / L340	030-4525J
MASSEY FERGUSON	2050	030-4494
	2050 ROTO-CUTTER	030-4500
	2140 – 2190, 2250 - 2290	030-4518
	2140 – 2190, 2250 – 2290 Roto-Cutter	030-4519
	2150 – 2190 Packer Cutter	030-4527
	2170 XD Roto-Cutter	030-4530
	2233, 2234, 2250 & 2270 ProCut	030-4542
	2233- 2234	030-4550
NEW IDEA	7233	030-4490
	7234	030-4492
	7244	030-4491
	7333	030-4494
NEW HOLLAND	590-BB940A Std or Packer	030-4495
	595-BB960A Std or Packer	030-4495
	BB940-BB940A Roto-Cutter	030-4497
	BB960-BB960A Roto-Cutter	030-4497
	BB9060 – BB9080 Std or Packer	030-4495
	BB9060 – BB9080 Roto-Cutter	030-4497
	BB9080 (2011 and newer) Std or Packer	030-4528
	BB9080 (2011 and newer) Roto-Cutter	030-4529
VERMEER	SQ2731	030-4438
	SQ3347	030-4439
VICON	LB 8200	030-4510
	LB 12200	030-4511

Tools Needed:

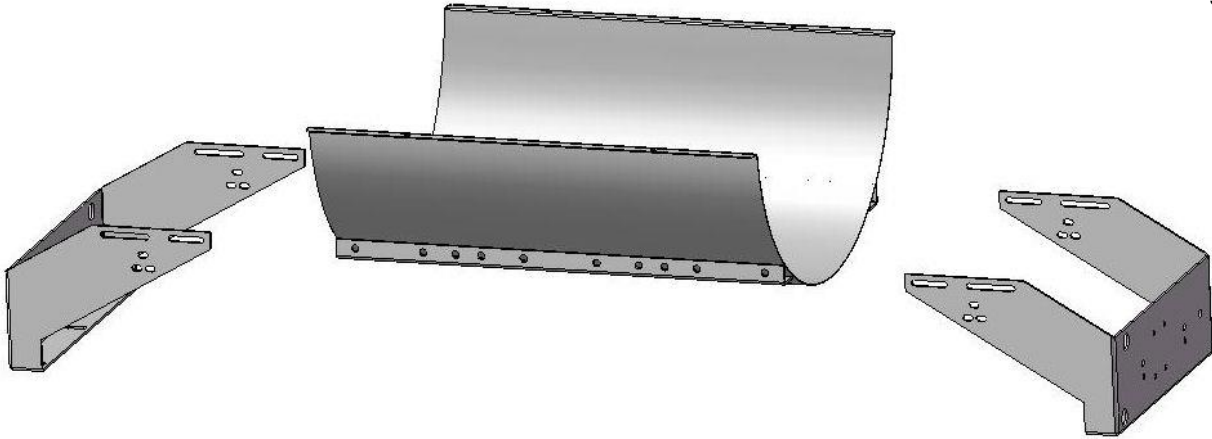
- Standard wrench set
- Electric drill and bits
- Standard nut driver set
- Hose cutter
- Crescent wrench
- Standard screwdriver
- Standard socket set
- Center punch
- Side cutter
- Hammer
- Metal cutting tools

Installation of Applicator

1. Installation of saddle, legs & mounting on baler

Hesston, New Idea, Challenger, and Case 8570, 8575, 8580, 8585, 8590 Balers:

Figure 1



3 X 3 balers only

Locate parts bag 2. Install both saddle legs (001-6707C) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the second and third weld nuts in from each end, of the saddle, on both sides

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to the next page.

3 X 4 and 4 x 4 balers only

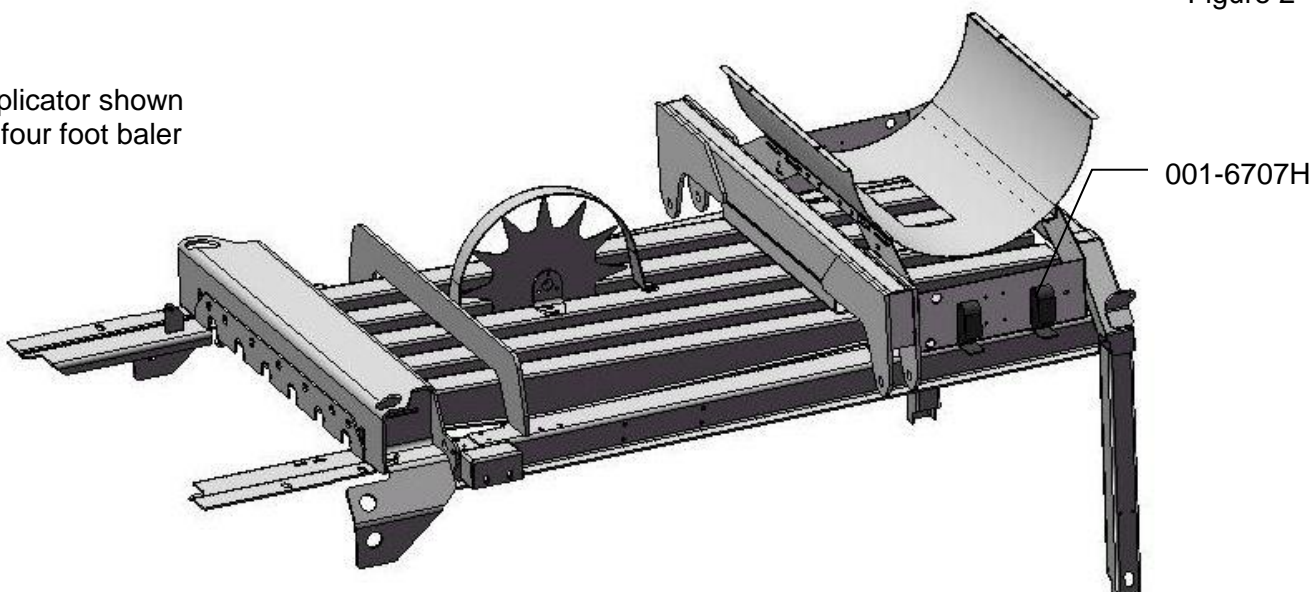
Locate parts bag 2. Install both saddle legs (001-6707C) onto the saddle (001-6707A) with eight 3/8 x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to the next page.

Hesston, New Idea, Challenger, and Case 8570, 8575, 8580, 8585, 8590 Balers:

Figure 2

Applicator shown
on four foot baler



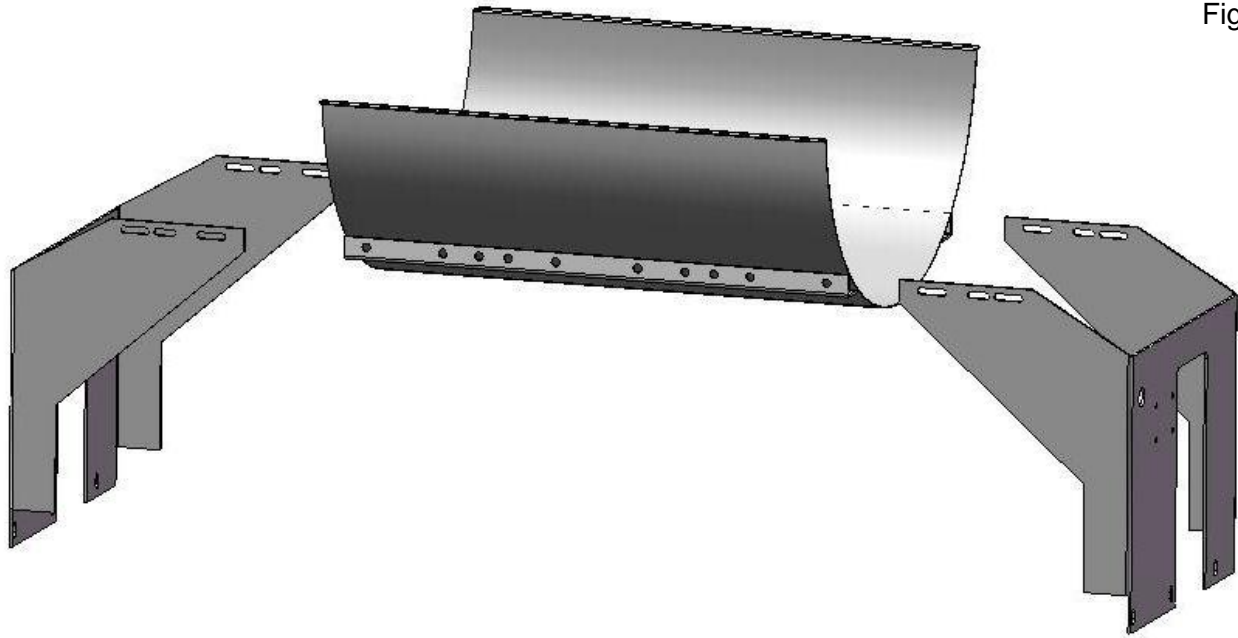
3 X 3 balers only

Mount the tank legs and saddle on the baler as shown above, centered between the compression arm and the crossbeam. The tank legs bolt to the baler with six 1/2" x 1-3/4" carriage bolts, lock & flat washers and hex nuts. Depending on the baler model, 9/16" holes (3 per side) may need to be drilled in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler. Tighten down the leg hardware, followed by the tank and saddle hardware.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

4 X 4 balers with a removable ladder: Bolt the ladder bracket extensions (001-6707H) on the side of the tank legs and attach the balers existing ladder.

Figure 3



3 X 3 balers only

Locate parts bag 2. Install both saddle legs (001-6707BL & 001-6707BR) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

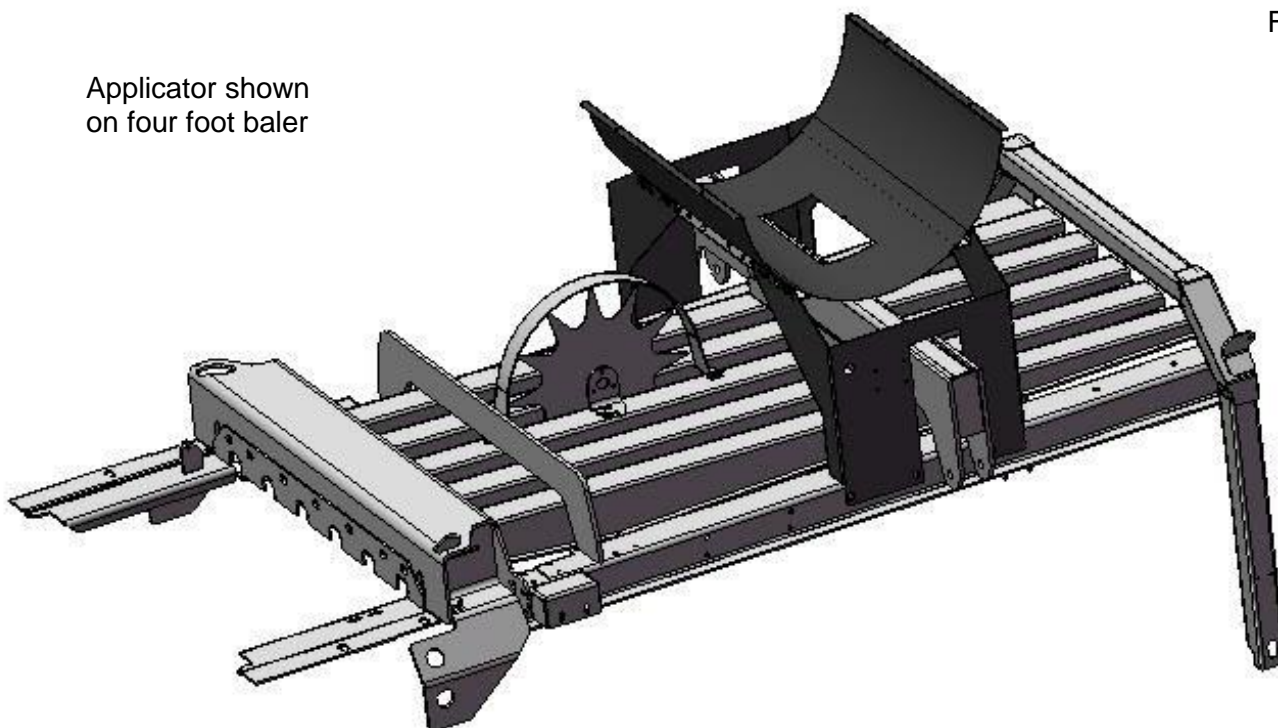
1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to the next page.

3 X 4 balers only

Locate parts bag 2. Install both saddle legs (001-6707DL & 001-6707DR) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the first and third weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to the next page.

Applicator shown
on four foot baler

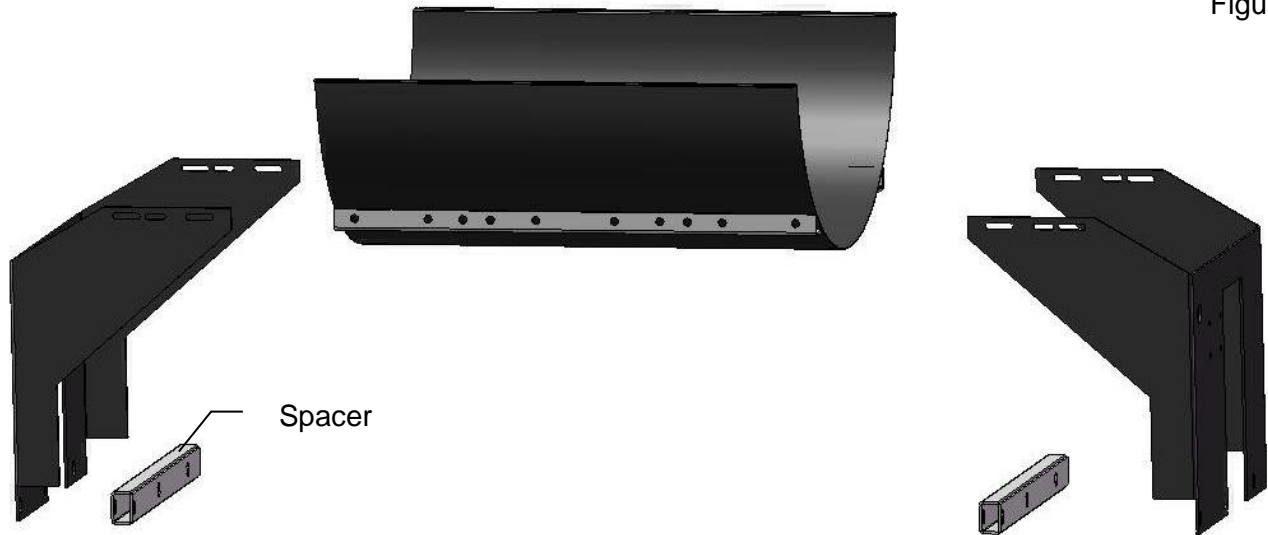


Mount the tank legs and saddle on the baler as shown above. The tank legs bolt to the baler with six 1/2" x 1-3/4" carriage bolts, lock and flat washers, and hex nuts. Depending on the baler model, 9/16" holes (3 per side) may need to be drilled in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler.

Tighten down the leg hardware, followed by the tank and saddle hardware.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

Figure 5



3 X 3 balers only

Locate parts bag 4. Install both saddle legs (001-6707BL & 001-6707BR) onto the saddle (001-6707A) with eight 3/8" x 1-1/4" bolts, locks and flat washers. The mounting slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to the next page.

3 X 4 balers only

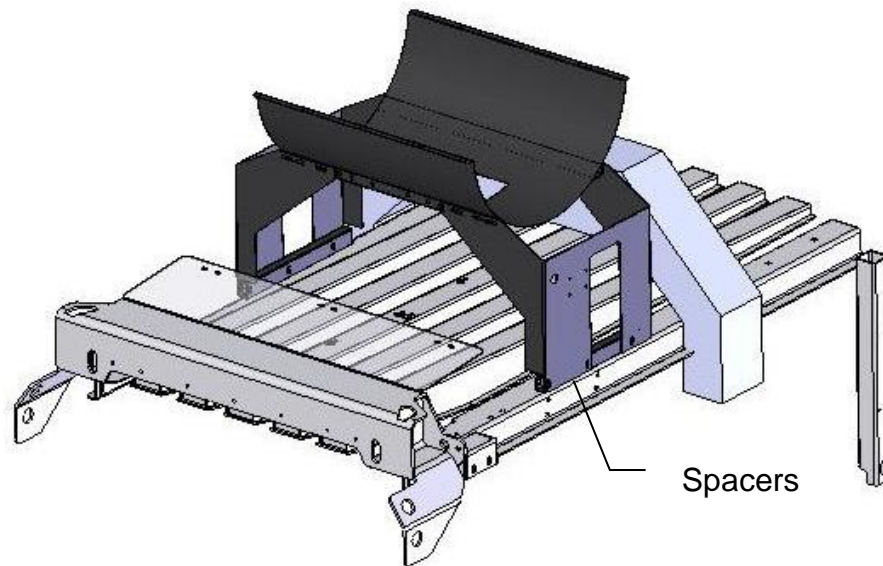
Locate parts bag 4. Install both saddle legs (001-6707BL & 001-6707BR) onto the saddle (001-6707A) with 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the first and third weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to the next page.

Kuhn, Vicon & Taarup balers

Figure 6

Applicator shown
on four foot baler



Mount the tank legs and saddle on the baler as shown above. Insert the two 001-6707BS spacers between the legs and the side of the chamber. Six 9/16" holes (3 per side) will need to be drilled in the chamber. The tank legs bolt to the baler with six 1/2" x 3-1/2" carriage bolts, lock & flat washers, and hex nuts. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

Massey Ferguson - UHD Baler (4544 Install)

Locate parts bag C & 2. Mount the tank legs on top of the rectangular tubing as displayed below. There are 3 access holes/side where 1/2" hex bolts can be inserted and held in place as they go through the top of the tube and the leg. IE hole in top of tube is 9/16" (14mm) diameter hole in bottom is 1-1/4" (big enough for socket to hold hex head of bolt).

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

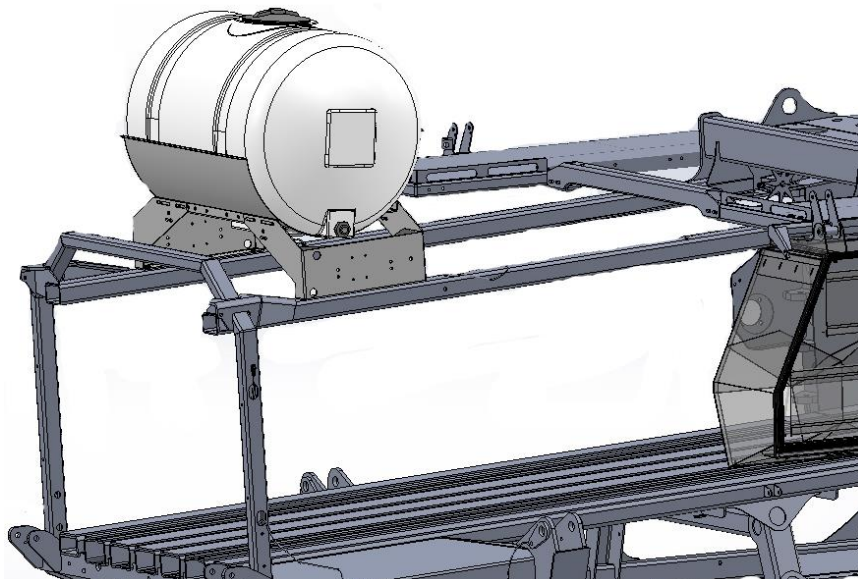
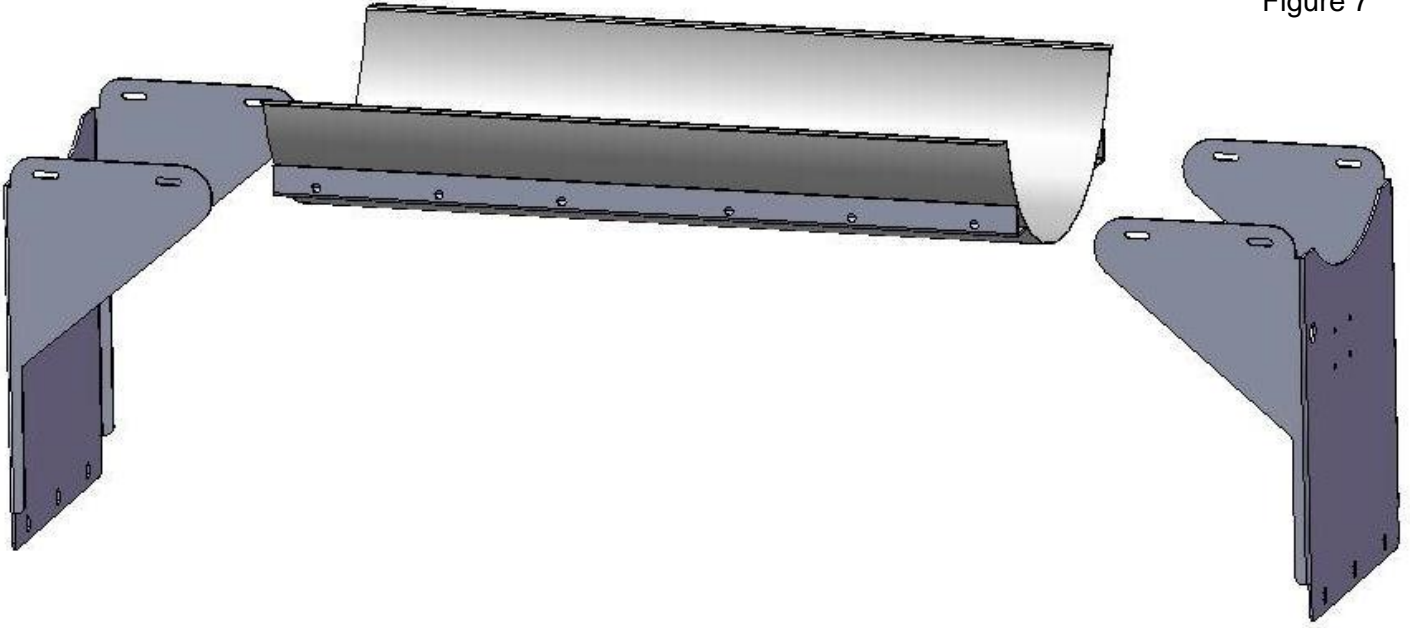


Figure 7



3 X 3 balers only

Locate parts bag 3. Install both saddle legs (001-6706V) onto the saddle (001-6706A) with 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the second and third weld nuts in from each end, of the saddle, on both sides

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to following pages.

3 X 4 and 4 x 4 balers only

Locate parts bag 3. Install both saddle legs (001-6707V) onto the saddle (001-6707A) with 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides.

1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to following pages.

*If the applicator is being mounted onto a **Krone 870 HDP** baler, two leg adapter brackets will be needed for proper tank leg installation (right). Part number 001-6707KV

Contact your dealership for details.

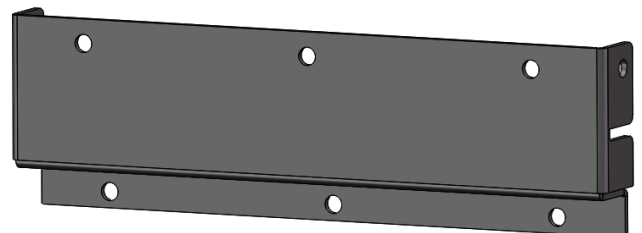
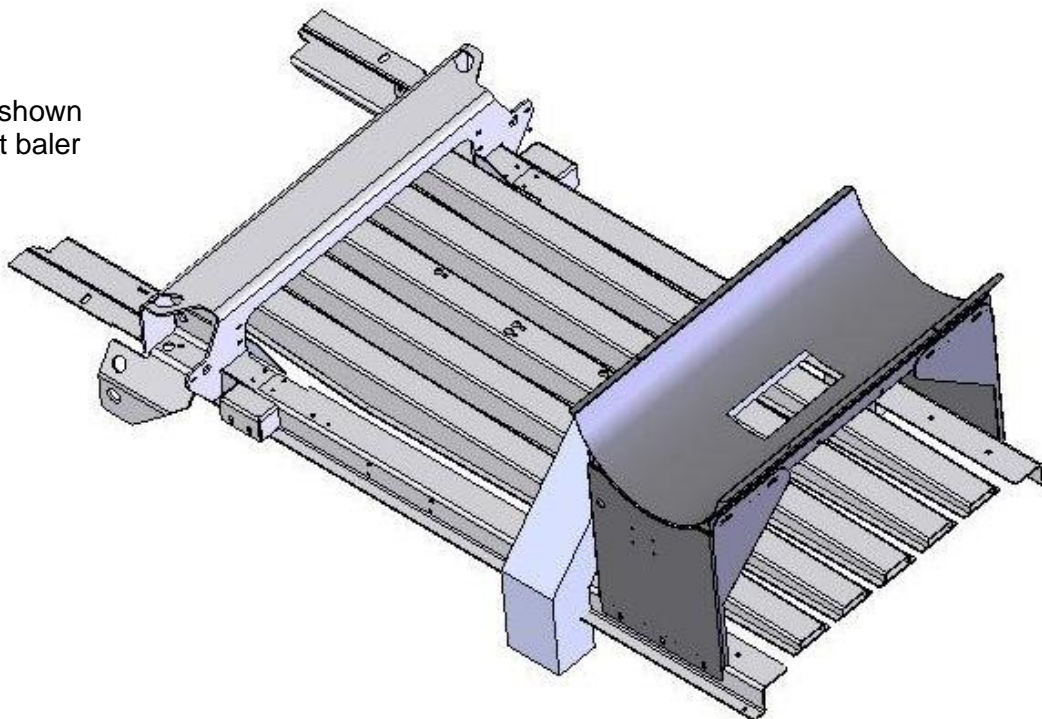


Figure 8

Figure 9

Applicator shown
on four foot baler

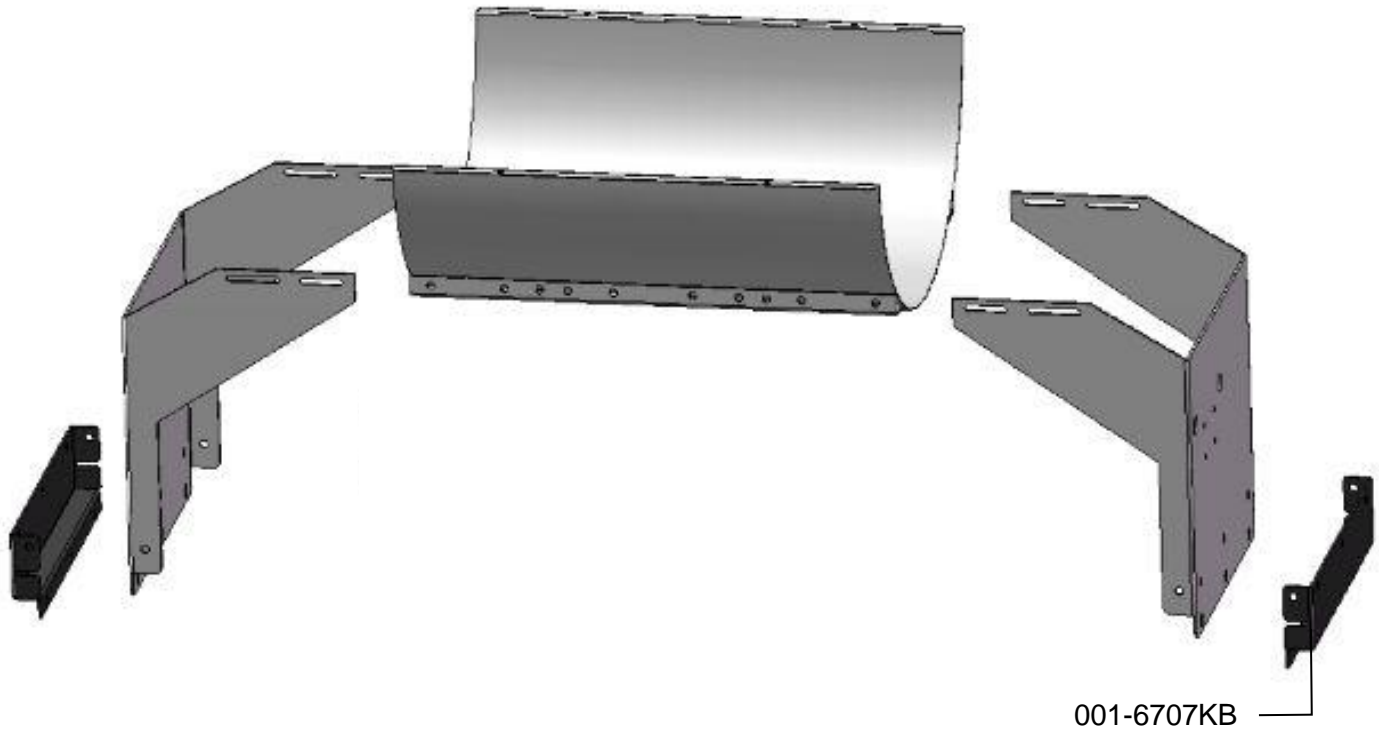


Mount the tank legs and saddle on the baler as shown above. The tank legs bolt to the baler with six 1/2" x 1-3/4" allen head cap screws, lock & flat washer, and hex nuts. You will need to drill 9/16" holes (3 per side) in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

**Krone 12130 & HDP balers
(excluding 870 HDP – refer to previous install)**

Figure 10



Locate parts bag 3. Install both saddle legs (001-6707KA) onto the saddle (001-6707A) with 3/8" x 1-1/4" Bolts, locks and flat washers. The mounting slots in the legs will attach to the first and second weld nuts in from each end, of the saddle, on both sides. Note: There is a "V" shape cut out in the sump area of the saddle. This side of the saddle should be attached to the side of the legs that have a narrower profile.

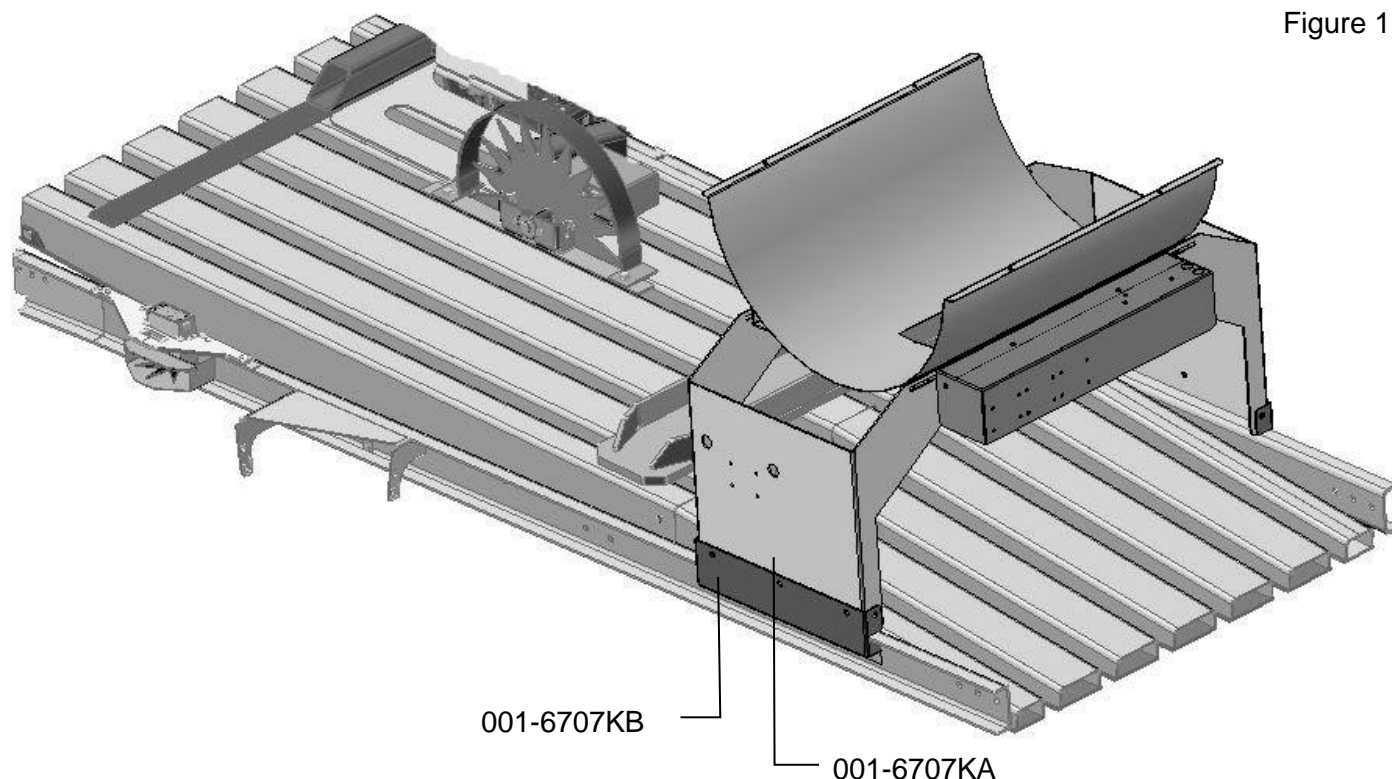
1. Once legs and saddle are loosely attached measure the distance from the top outside corners of the bale chamber where the saddle will be attached. Move legs in or out so the inside edges will match this dimension. Also try to center the saddle within these dimensions. Do not fully tighten down bolts until unit is mounted on the baler
2. Raise the assembly on to the baler and proceed on to the following pages.

Krone Pre-2010 HDP balers

Mount the tank legs and saddle on the baler as shown below. You will need to drill 9/16" holes (3 per side) in the baler to bolt the leg adapters to the baler (001-6707KB). Use six 1/2" x 1-3/4" allen head carriage bolts, flat & locks washers, and hex nuts. The bolts should be inserted from inside the baler. The saddle legs (001-6707KA) will attach to the leg adapters using ten (5 per side) 1/2" x 1-1/2" bolts, locks, flats, and hex nuts.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

Figure 11



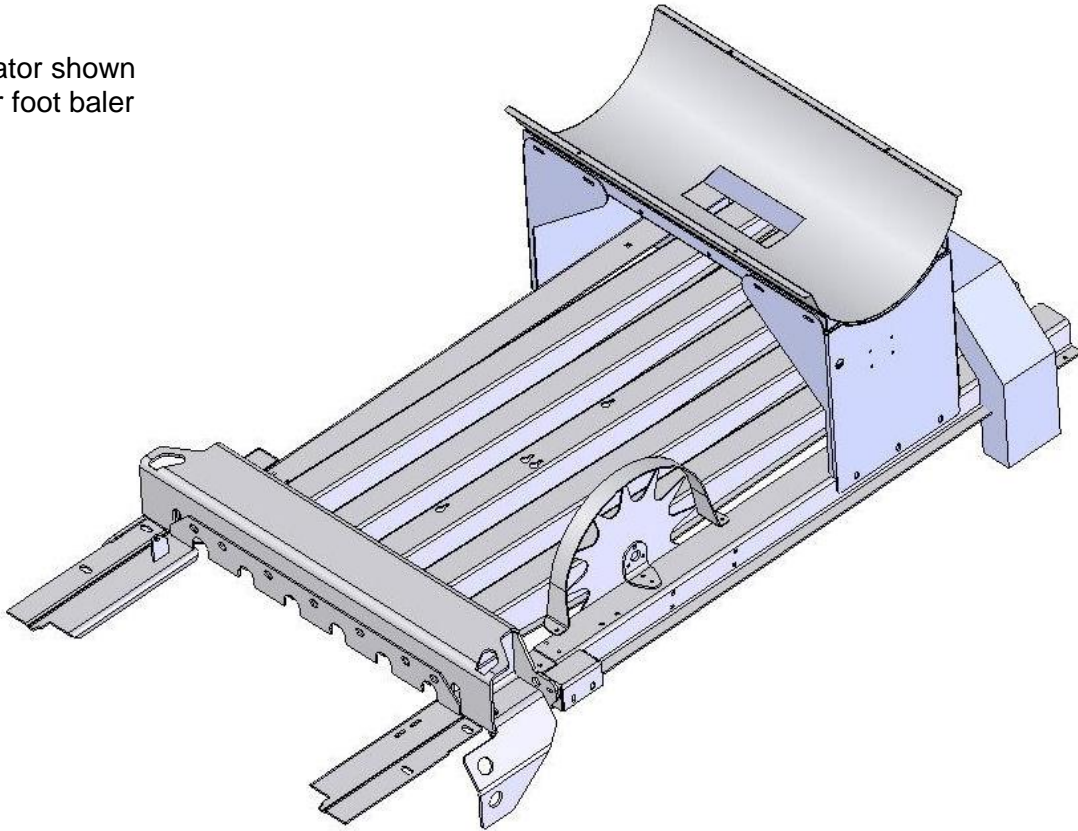
Pre-2010 HDP and 12130 balers

Parts 001-6707KB are not used. Drill three 9/16" holes per side and mount with six 1/2" x 1-3/4" Allen head carriage bolts, flats, locks, and hex nuts.

Vermeer & Claas Balers

Applicator shown
on four foot baler

Figure 9



Mount the tank legs and saddle on the baler as shown above. The tank legs bolt to the baler with six 1/2" x 1-3/4" allen head cap screws, lock & flat washer, and hex nuts. You will need to drill 9/16" holes (3 per side) in the baler to bolt down the tank legs. The bolts should be inserted from inside the baler.

The saddle is intentionally tipped forward by 5° so that the tank cap will be parallel to the ground. There is a small cut out "V" where the tank sump fits in the saddle and this cut out should face the back of the baler for the tank to be level when installed on the baler.

Figure 12

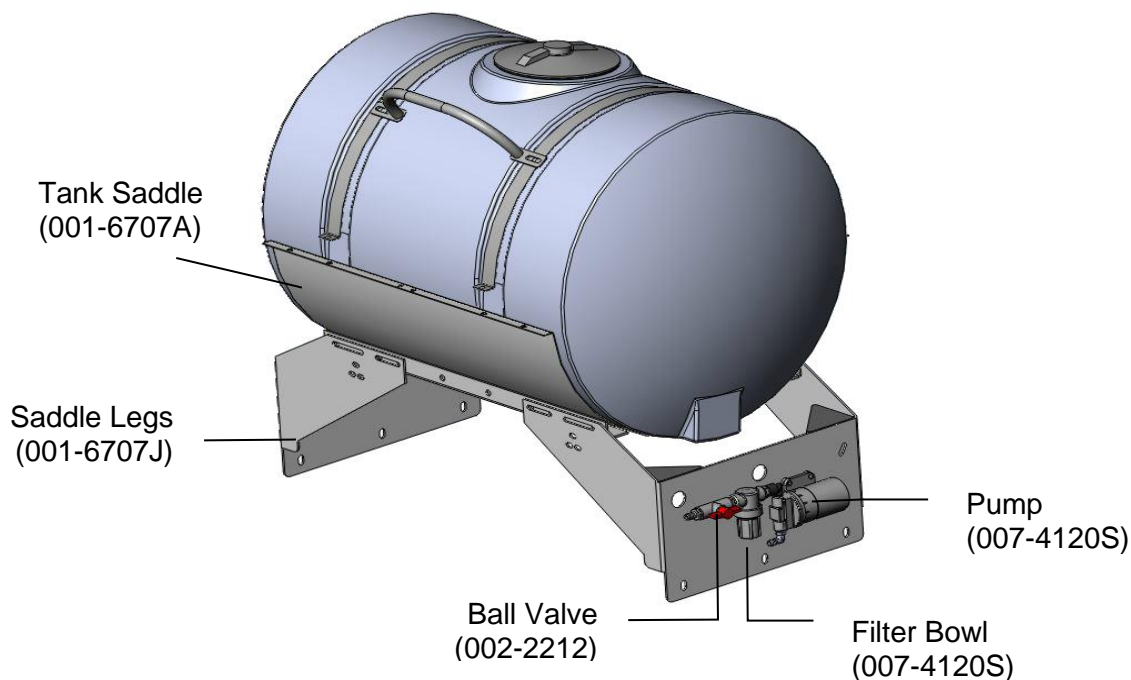
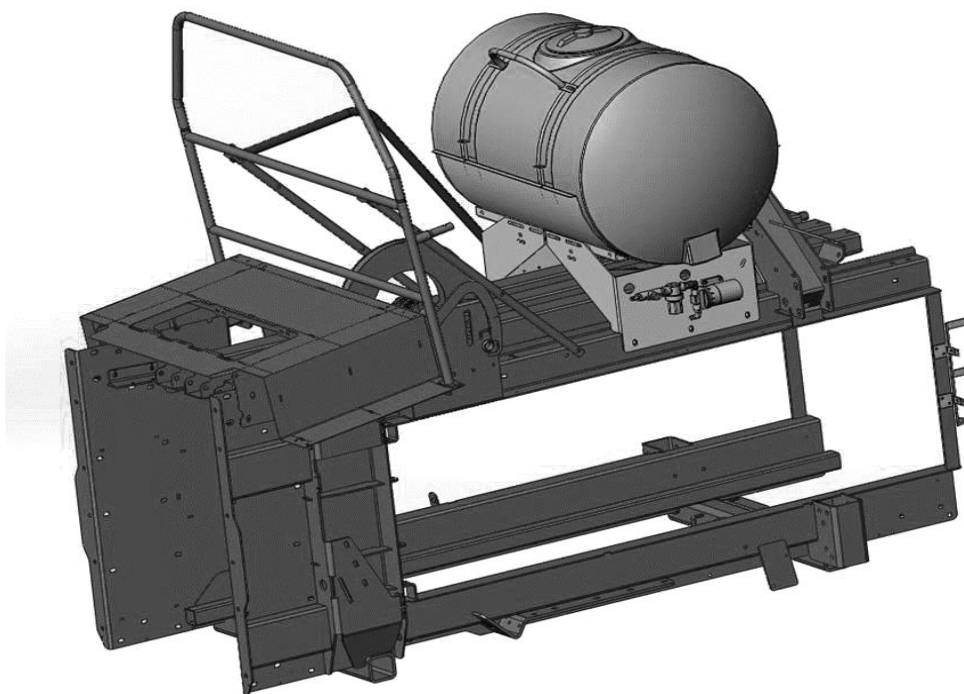


Figure 12b



3x3 and 3x4 Balers

Locate parts bag 4. Prior to mounting the assembly onto the back of the bale chamber, install both saddle legs (001-6707J) loosely onto the saddle (001-6707A) with six 3/8" x 1-1/4" bolts, locks and flat washers. The mounting slots in the legs will attach to the second and fourth weld nuts in from each end, of the saddle, on both sides.

1. The tank legs bolt to the sides of the chamber on each side with three 1/2" x 1-3/4" carriage bolts, using existing holes in the chamber. Tighten the legs to the chamber prior to centering the tank saddle and tightening the legs to the saddle.
2. Install pump assembly onto tank leg opposite of drain / fill line (left leg) as shown above.

2. Installation of Spray Shield Assembly

Installation Kit 4438

The spray shield is installed on the gathering fork guard located in the back of the pick-up head. Existing bolts are used to fasten the spray shield bracket to the gathering fork guards. Route hoses so they will not interfere with moving parts. Rotating the flywheel by hand can check this. **Don't fasten hoses to metal hydraulic lines!** A parts breakdown is located in the back of the manual.

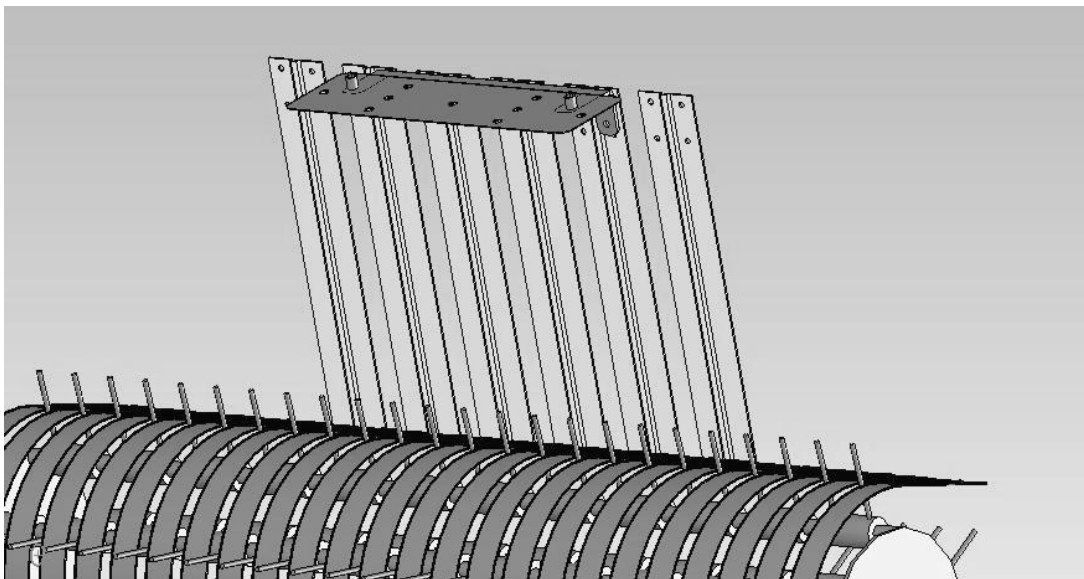


Figure 13

Installation Kit 4439

The spray shield is installed on the gathering fork guard located in the back of the pick up head. Existing bolts are used to fasten the spray shield bracket to the gathering fork guards. Route hoses so they will not interfere with moving parts. Rotating the flywheel by hand can check this. **Don't fasten hoses to metal hydraulic lines!** A parts breakdown is located in the back of the manual. Use existing hardware when mounting the spray shield bracket.

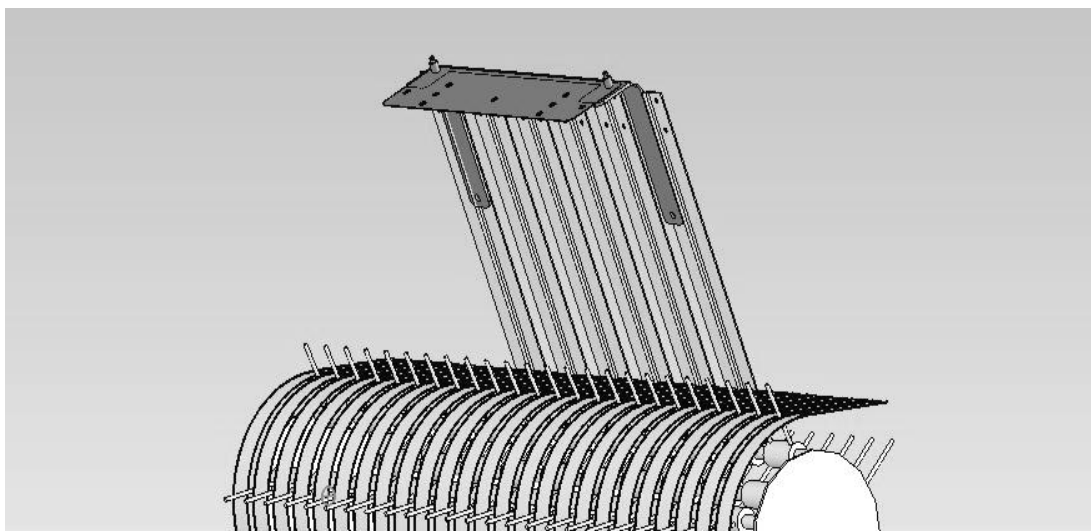


Figure 14

Installation Kit 4490

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

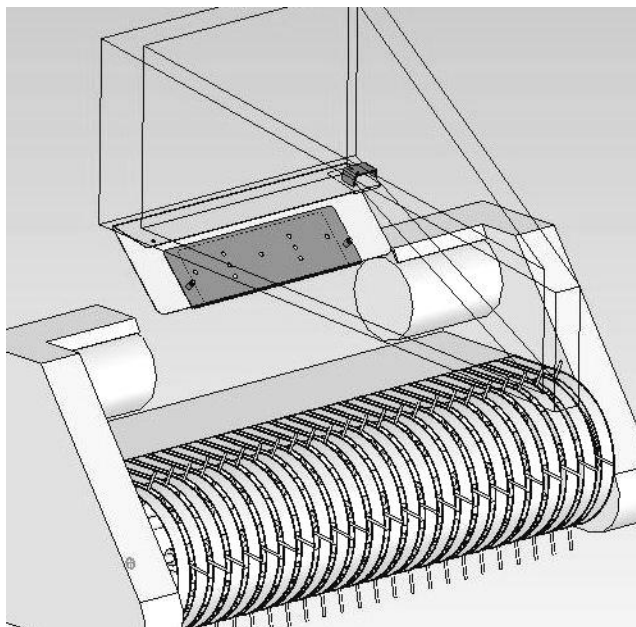


Figure 15

Installation Kit 4491

Install the spray shield behind the baler's cross channel, which is located on the bottom side of the tongue behind the flywheel. Note the position of the bevel on the spray shield. Clamp the spray shield around the channel using the backing plates and the 1/4" x 7" bolts provided. A parts breakdown is located in the back of the manual.

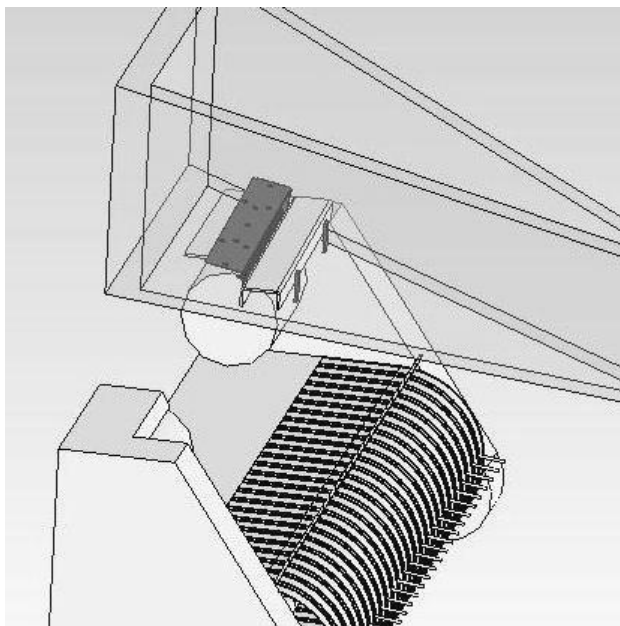


Figure 16

Installation Kit 4492

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

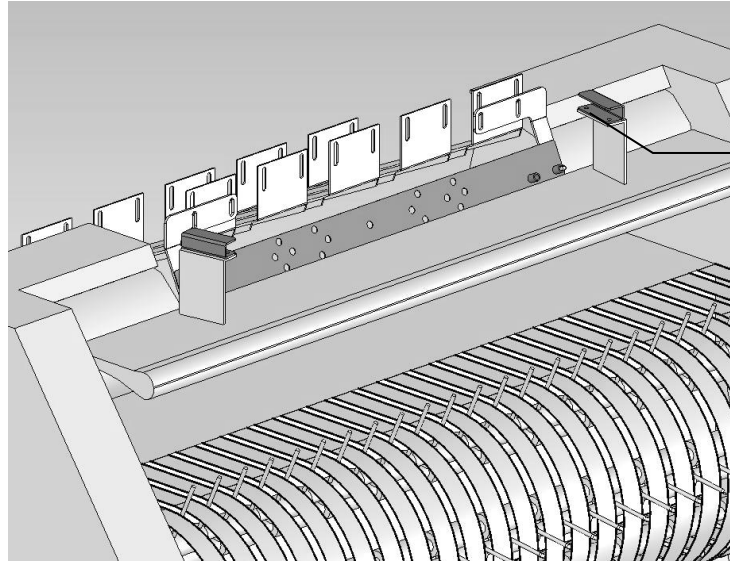


Figure 17

Wind guard stops

Installation Kit 4494

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

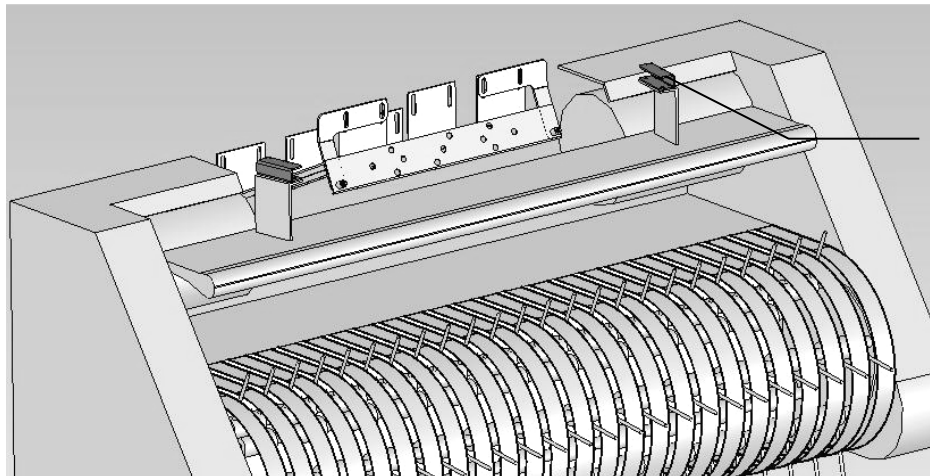


Figure 18

Wind guard stops

Installation Kit 4495 & 4528

New Holland and Case: Install the spray shield under the tongue of the baler, behind the flywheel. There are two existing bolt holes 6" to 12" above the gathering fork guards, connect the spray shield using these holes. The tips should be pointing to the throat of the baler chamber. Install the wind guard stop as shown below two inches behind the bend in the baler frame. A parts breakdown of the 4495 & 4528 install kit is located in the back of the manual.

Krone: Install the spray shield under the tongue of the baler in front of the flywheel. You will need to drill two holes directly in front of the flywheel to secure the shield on the baler. The tips should be pointing to the throat of the baler chamber. A parts breakdown of the 4495 install kit is located in the back of the manual.

Figure 19

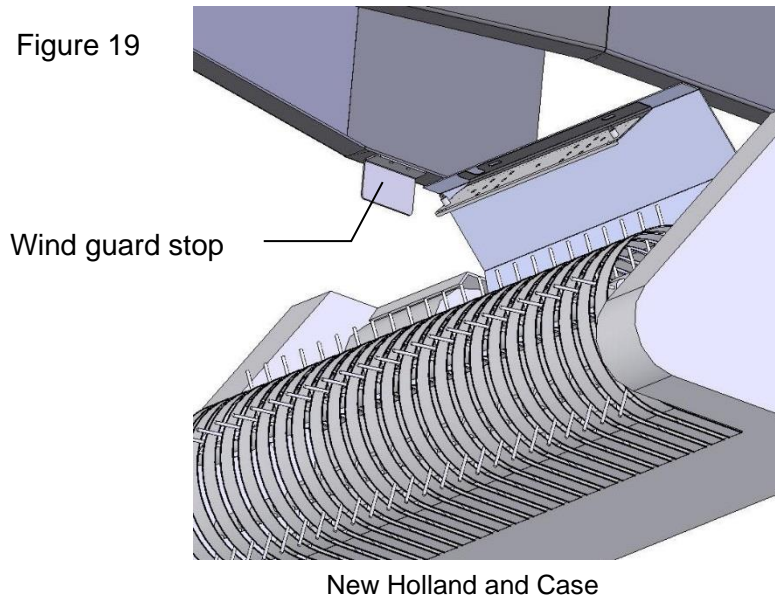
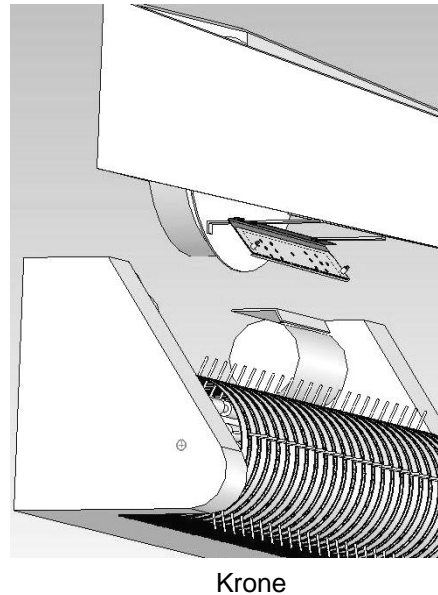


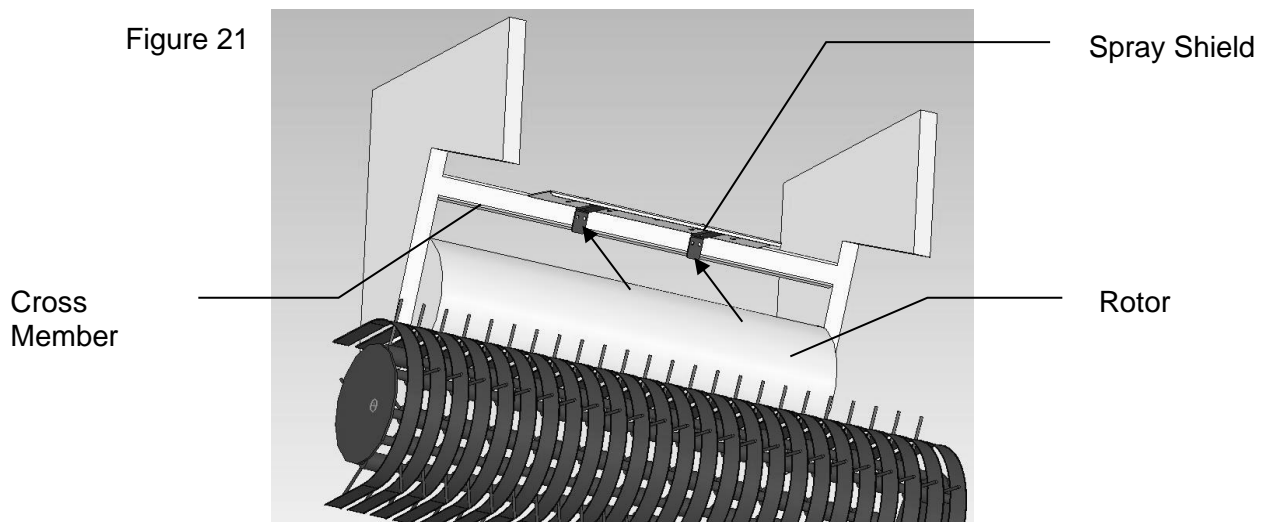
Figure 20



Installation Kit 4497 & 4529

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

Figure 21



Installation Kit 4498

Lower the wind guard of the baler to maximize the installation working space. Locate the guards between the hay intake fingers. Hold the spray shield up so it straddles the top of the guards. Locate the holes on the baler that line up with the spray shield holders. Connect the spray shield to the baler using 3/8" x 1" bolts. Adjust the spray shield so it can be removed and reinstalled freely once the lynch pins are removed. A parts breakdown is located in the back of the manual.

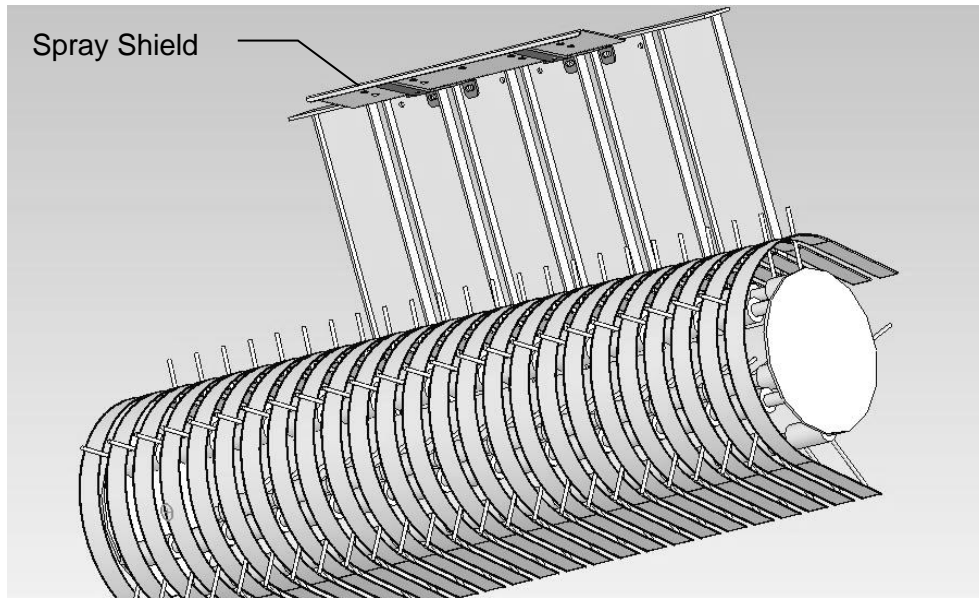


Figure 22

Installation kit 4499

Install the spray shield-mounting bracket between the two flat vertical plates above the rotor as indicated in the picture below. Use the existing bolt holes with the hardware from the applicator kit to mount the spray shield bracket to the baler. Fasten the spray shield onto the spray shield bracket already mounted. Route hoses along the spray shield bracket towards the right side of the baler, and then back to the tank. When routing the hose avoid moving parts. A parts breakdown is located in the back of the manual.

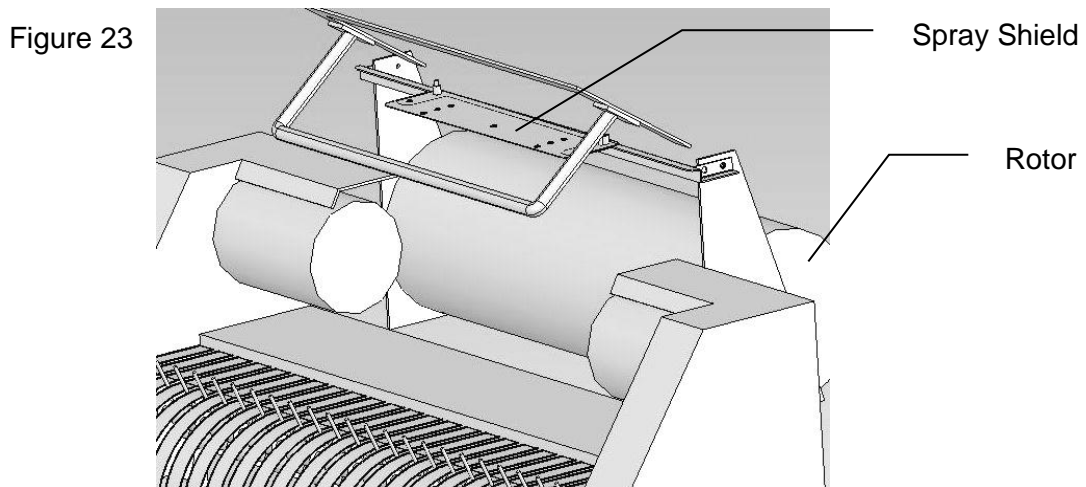


Figure 23

Installation Kit 4500

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

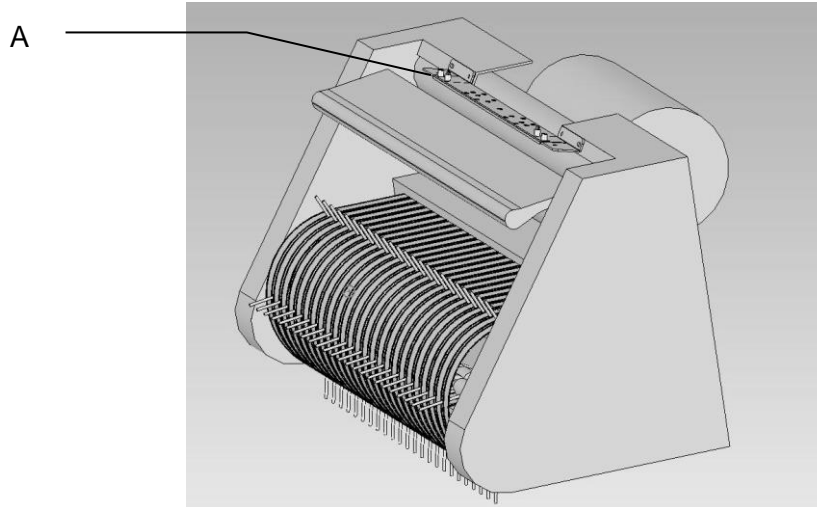


Figure 24

Installation Kit 4501

4790 cutter balers with top auger. (Figure 25)

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

4790 cutter balers without top auger. (Figure 26)

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

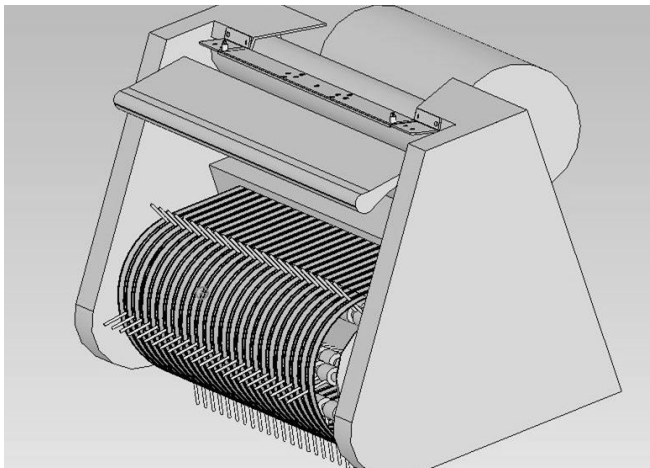


Figure 25

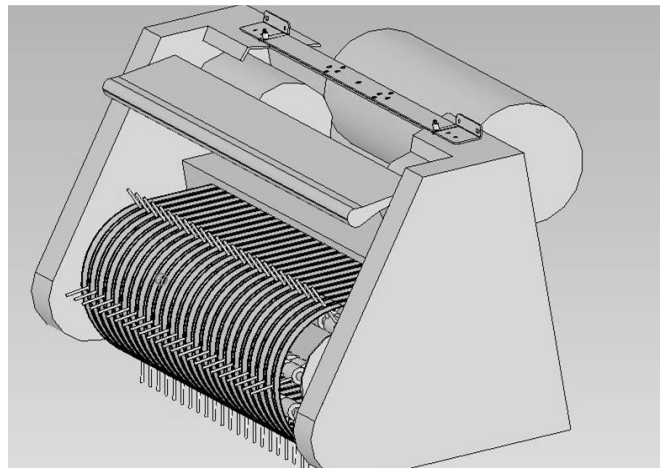


Figure 26

Installation Kit 4509

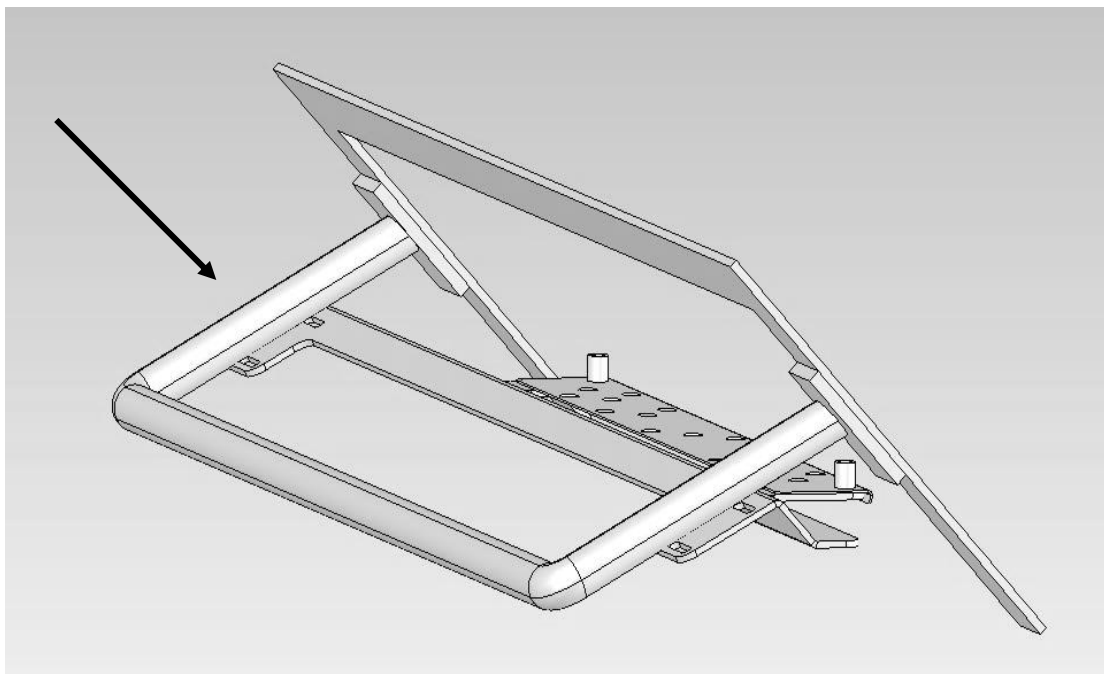


Figure 27

Locate the curved tube (Figure 27) above the auger and rotary cutting system. Attach Shield holder (001-4440A) using the four supplied u-bolts, nuts, flat and lock washers. Slide shield back as far as the baler will allow and tighten down all mounting hardware. Install spray shield (001-4810) and use the two lynch pins (008-4576) to secure. A parts breakdown is located in the back of the manual.

Installation Kit 4510

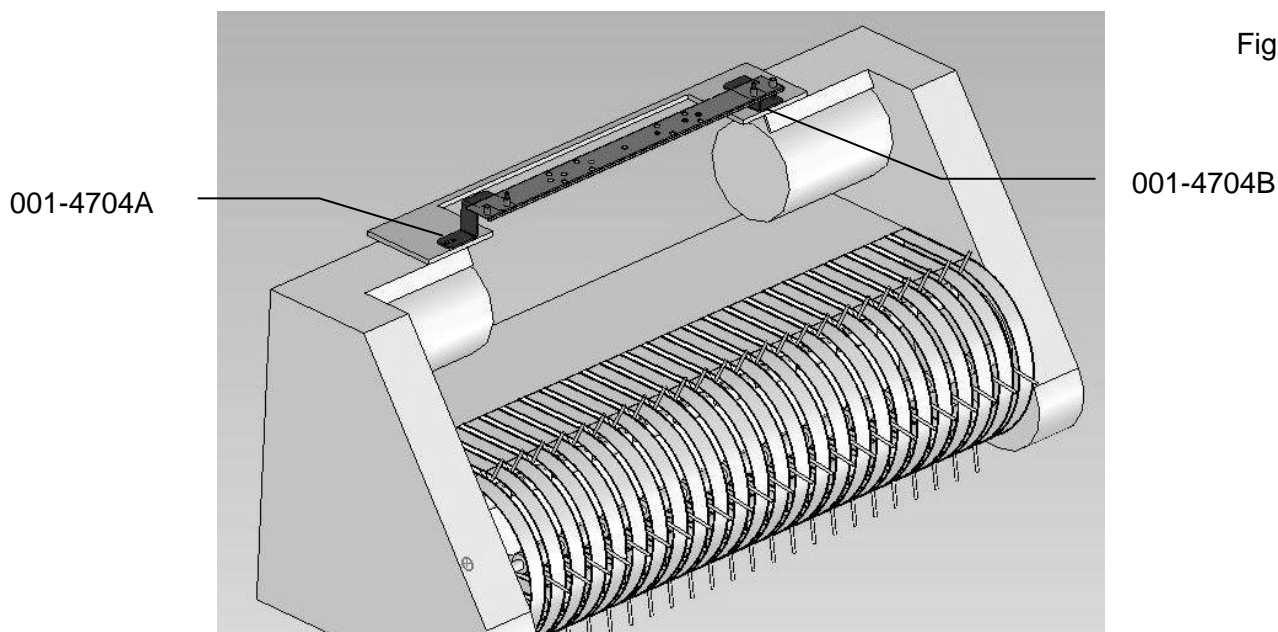


Figure 28

Locate the sheet metal above the pickup head. (Figure 28) Connect spray shield to 001-4704A and 001-4704B brackets. Place the assembly across the top of the pickup head so the spray shield is horizontal. Center the shield over the throat of the baler directly above and centered over the bottom augers. Mark the holes on both sides and drill two 7/16" holes on each side. Place two 3/8" x 1-1/4" through the sheet metal bolt heads down. Secure assembly with 3/8" nut, locks, and flat washers. A parts breakdown is located in the back of manual.

Installation Kit 4511

001-4704A

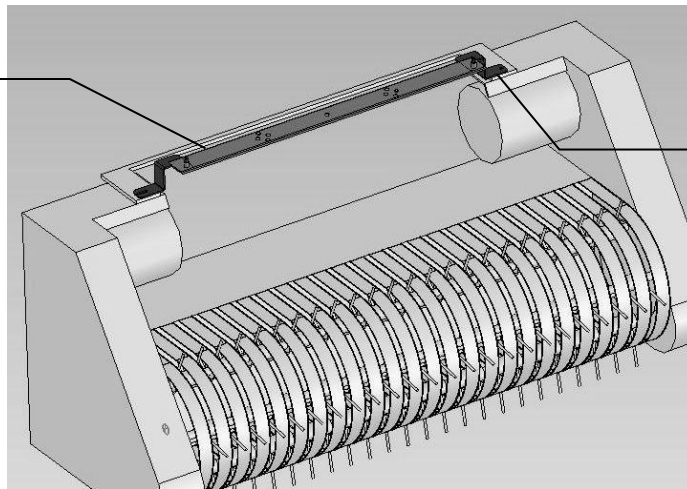


Figure 29

001-4704B

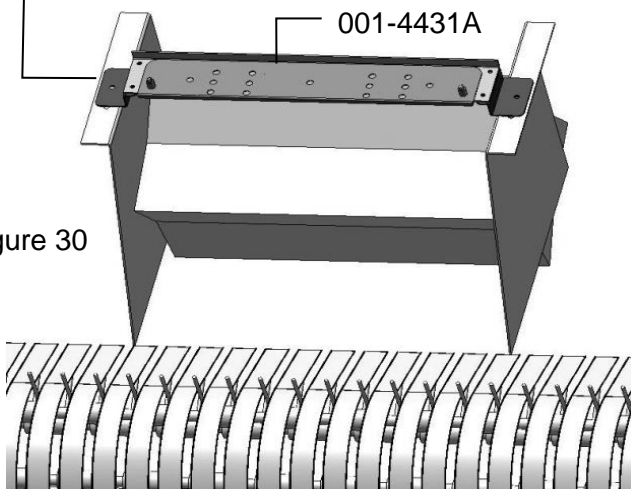
Locate the sheet metal above the pickup head. (Figure 29) Connect spray shield to 001-4704A and 001-4704B brackets. Place the assembly across the top of the pickup head so the spray shield is horizontal. Center the shield over the throat of the baler directly above and centered over the bottom augers. Mark the holes on both sides and drill two 7/16" holes on each side. Place two 3/8" x 1-1/4" through the sheet metal bolt heads down. Secure the assembly with 3/8" nut, locks, and flat washers. A parts breakdown is located in the back of the manual.

Installation Kit 4514

001-4431KB

001-4431A

Figure 30

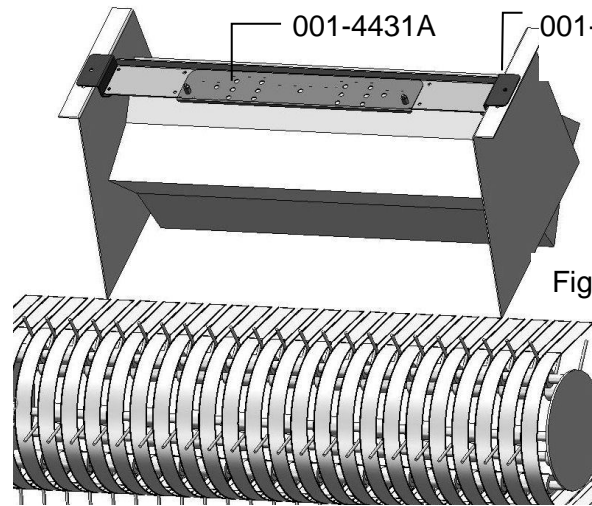


3 foot baler

001-4431A

001-4431KB

Figure 31

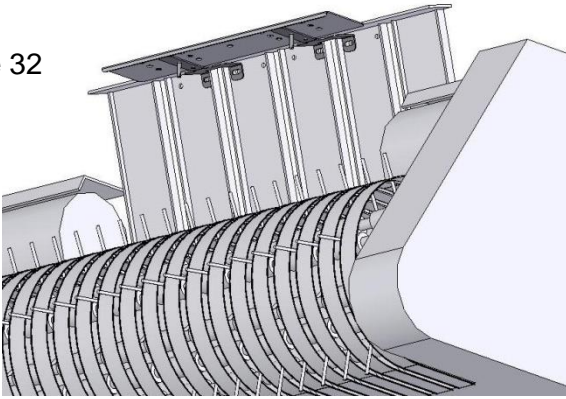


4 foot baler

Locate the two mounting brackets (001-4431KB). In the 4' baler, these brackets are positioned so the spray shield is dropped down from the flywheel. On the 3' baler, these brackets are positioned using the top hole on each side to raise the spray shield up from the rotor. Use the top hole on the baler for mounting the brackets. These brackets will be secured with two 3/8" x 1" bolt and flats, locks, and nuts. Then the spray shield holder (001-4431KA) spans across the throat of the baler and bolts to mounting brackets so the pins are on the top side. The holder has a formed flange on the backside that should be flush with the back of the mounting brackets. The shield holder will be fastened to the mounting brackets with four 5/16" x 1" bolts with flats, locks and nuts (2 on each side). In the case of the 3' balers, there are additional holes for mounting the holder to the brackets. For 3' wide balers 7-1/2" will need to be cut off the ends the shield holder. Place the spray shield assembly on top of the shield holder and secure with lynch pins.

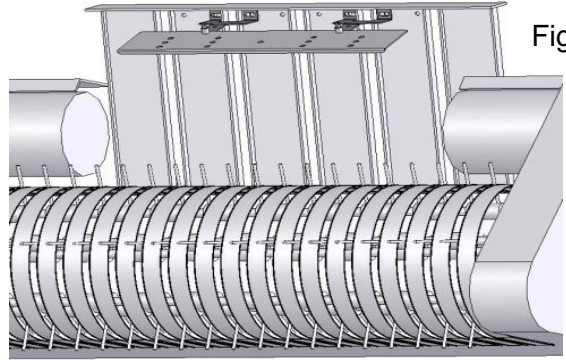
Installation Kit 4515

Figure 32



Non-HDP balers

Figure 33



All HDP balers

Locate the four center stuffer guards (on narrower models of baler, there may be only four stuffer guards). Remove the nuts and bolts indicated above that fasten the stuffer guards to the cross member above the baler throat. Replace the hardware that you removed with the hardware included in the parts bag (M10x30 bolts, M10 lock washers, and M10 nuts) and bolt the spray shield holder (001-4435K) in place as shown above. Use the above pictures to determine the position of the spray shield holder depending on baler type. Position the spray shield (001-4435ES) on top of the spray shield holders with the pins from the spray shield holder extending through the pipes welded to the spray shield. Adjust the spray tips so they point towards the throat of the baler. Adjust the spacing of the spray shield holder as needed and tighten the hardware.

Installation Kit 4518

001-4435H

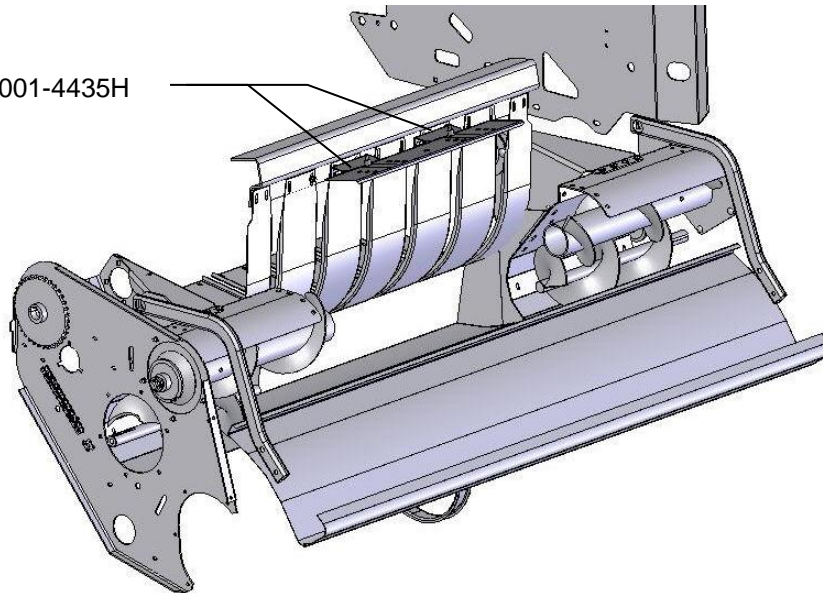


Figure 34

Remove the four bolts attached to the wrapper stripper plates as shown above. Replace with the four supplied 3/8" x 1-1/4" carriage bolts, nuts, locks, and flat washers. Mount the spray shield holders (001-4435H) and loosely tighten down hardware. Install spray shield and secure with the two supplied lynch pins. Tighten all hardware. A parts breakdown is located in the back of the manual.

Installation Kit 4519

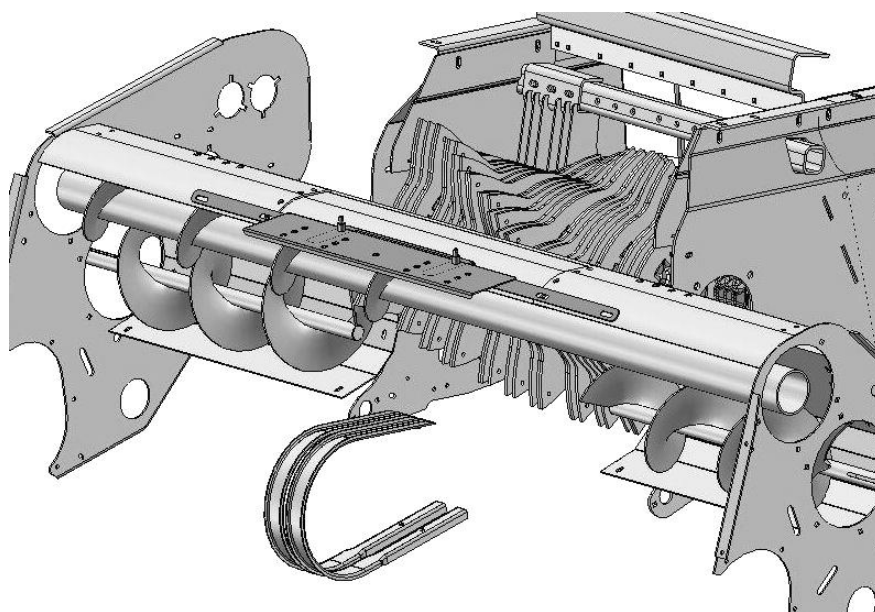


Figure 35

Locate bottom hole on each side of center insert over top auger and bolt spray shield and mounting bracket into place using the 3/8" x 1-1/4" carriage bolts, nuts, locks, and flat washers. Use the inside slots on 3x3 balers and the outside slots on 3x4 and 4x4 balers. A parts breakdown is located in the back of the manual.

Installation Kit 4525

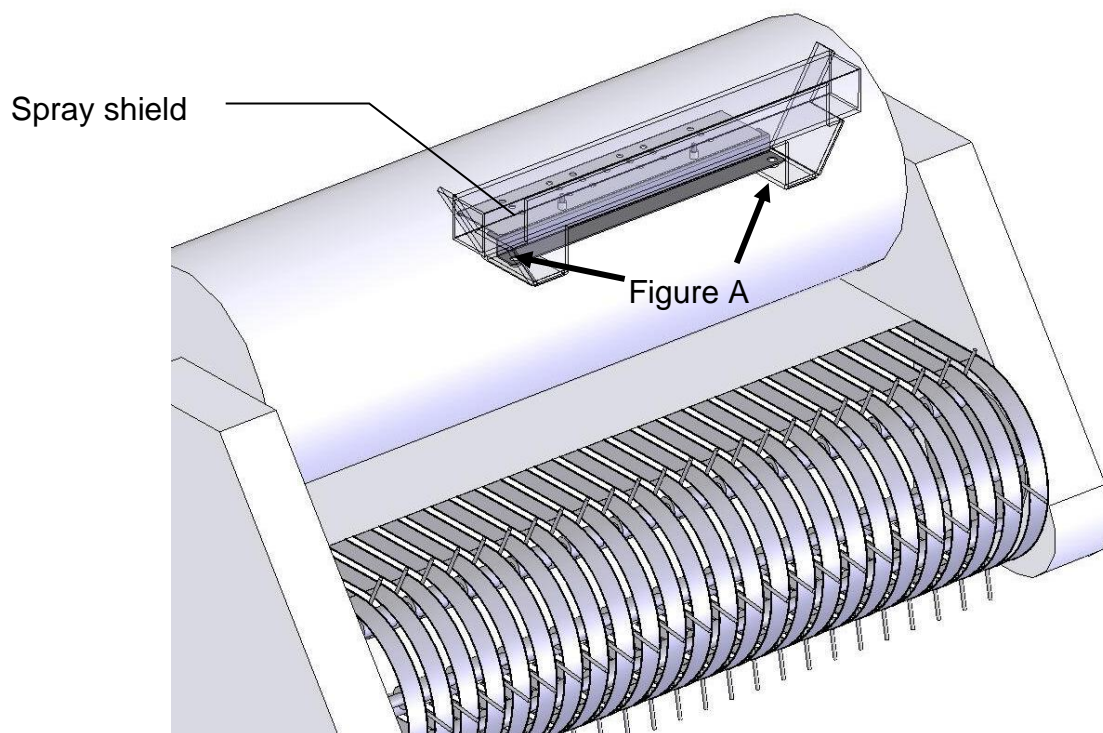


Figure 36

Locate the two bolts show in figure A. Remove bolts and install spray shield holder (001-4435EK). Install bolts and tighten. Install spray shield assembly (001-4435ES) and secure with two supplied lynch pins. Use the inside slots on 3x3 balers and the outside slots on 3x4 balers.

Installation Kit 4525J

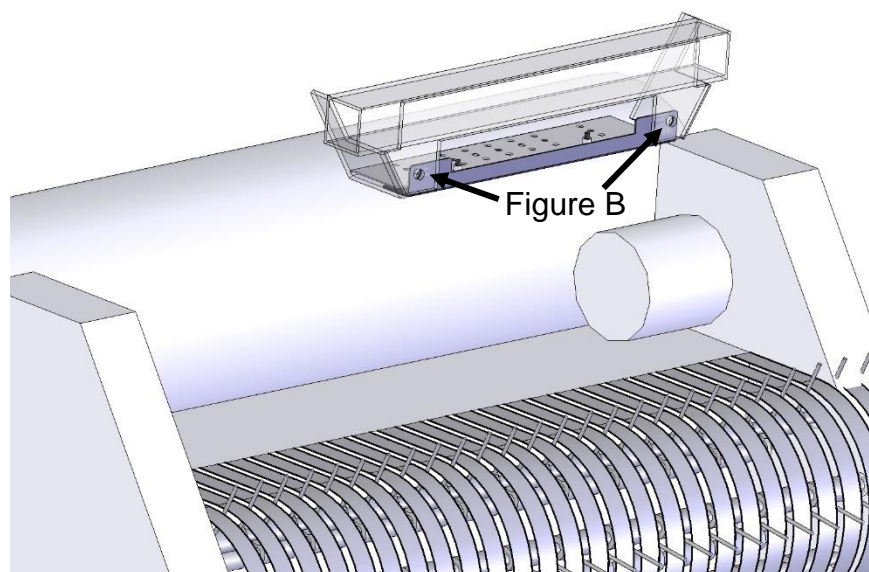


Figure 37

Locate the two bolts show in Figure B. Remove bolts and install spray shield holder (001-4435EJ). Install bolts and tighten. Install spray shield assembly (001-4435ES) and secure with two supplied lynch pins. Use the inside nozzle holes spaced 10" apart on 3x3 balers and the outside nozzle holes on 3x4 balers.

Installation kit 4527

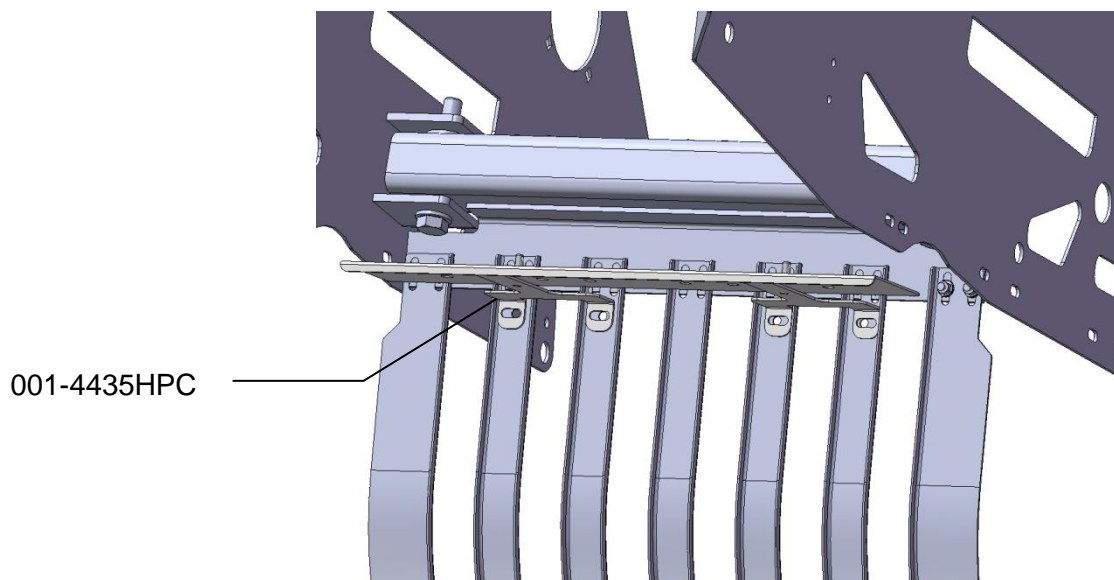


Figure 38

Mount the two spray shield mounting brackets (001-4435HPC) to the baler as shown above. Attach using four 3/8" x 1-1/4" bolts, flats, locks, and nuts. Mount the spray shield (001-4435ES) on top of the mounting brackets and secure with two lynch pins. Use the inside slots on 3x3 balers and the outside slots on 3x4 and 4x4 balers.

Installation Kit 4530

Locate the two bolts shown in figure A directly below the baler's flywheel. Connect the two mounting brackets (001-4435XB) to figure A below in using the existing hardware. Connect the mounting brackets to the shield holder (001-4435XA) using four 3/8" x 1" hex bolts, lock washers, and hex nuts. Install the spray shield assembly (001-4435AS) and secure with two supplied lynch pins.

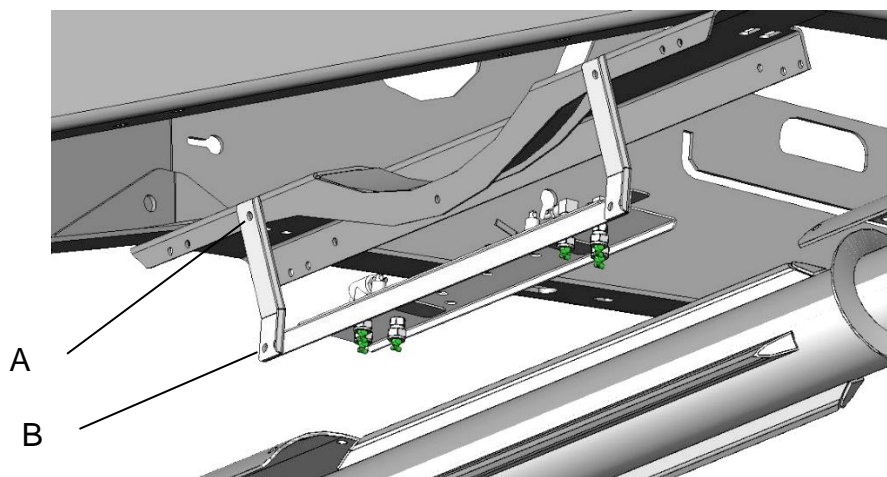
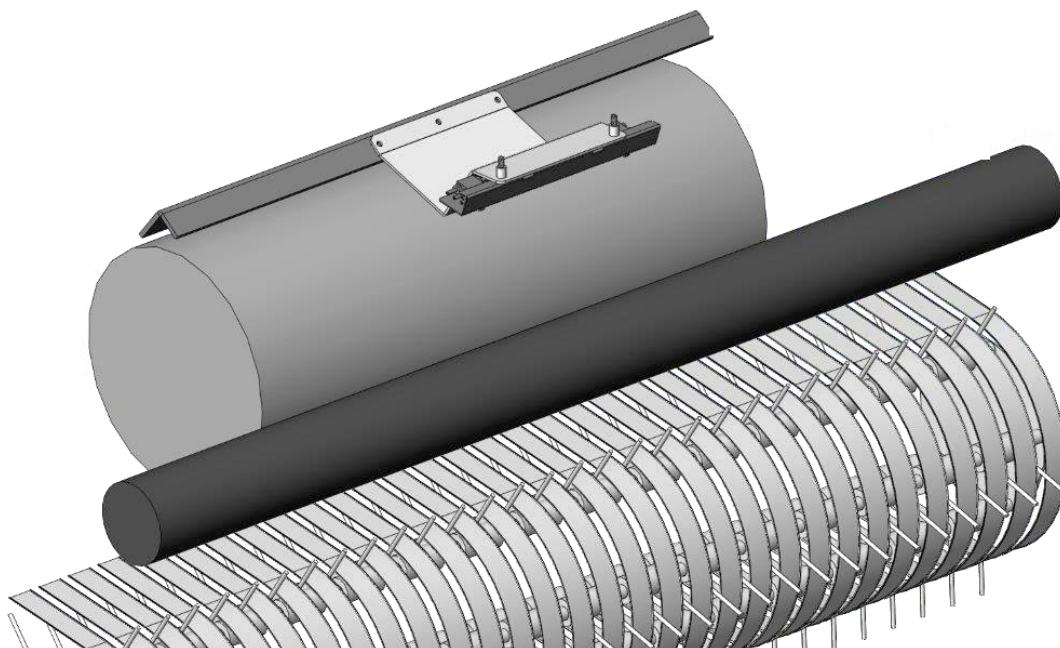


Figure 39

Installation Kit 4537

The spray shield holder (001-4435L) is centered on the L-shaped bracket above the rotor and secured with 3/8"x1-1/4" hex bolts, 3/8" lock washers, and 3/8" nuts (x3). The spray shield is then pinned in place with the lynch pins. Route hoses so they do not interfere with moving parts, and do not fasten hoses to hydraulic lines.



Installation Kit 4539

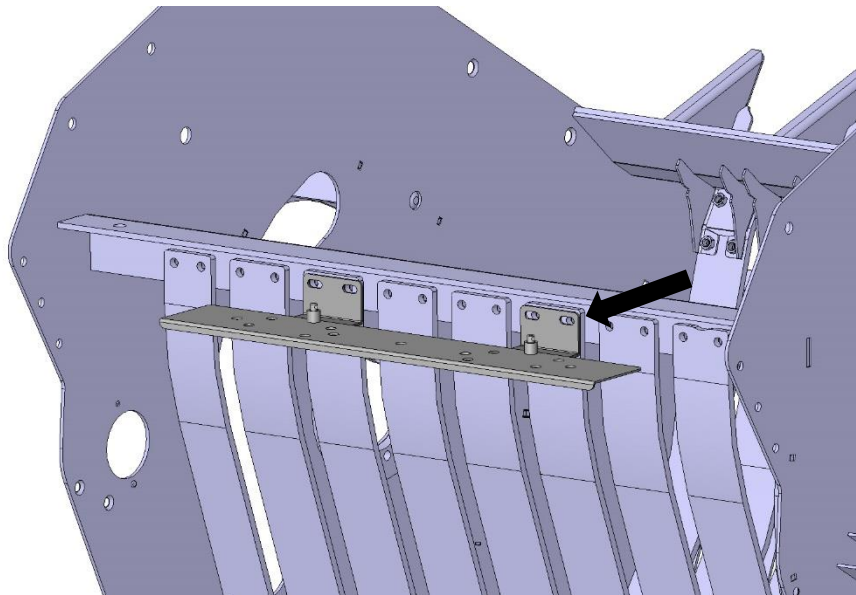


Figure 40

Locate the center stuffer guards and remove the nuts and bolts indicated above that fasten the stuffer guards to the cross member above the baler throat. Replace the hardware that you removed with the hardware included in the parts bag (M10x30 bolts, M10 lock washers, and M10 nuts) and bolt the spray shield holder (001-4435KX) in place as shown above. Use the above pictures to determine the position of the spray shield holder depending on baler type. Position the spray shield (001-4435AS) on top of the spray shield holders with the pins from the spray shield holder extending through the pipes welded to the spray shield. Adjust the spray tips so they point towards the throat of the baler

Installation Kit 4540 & 4541

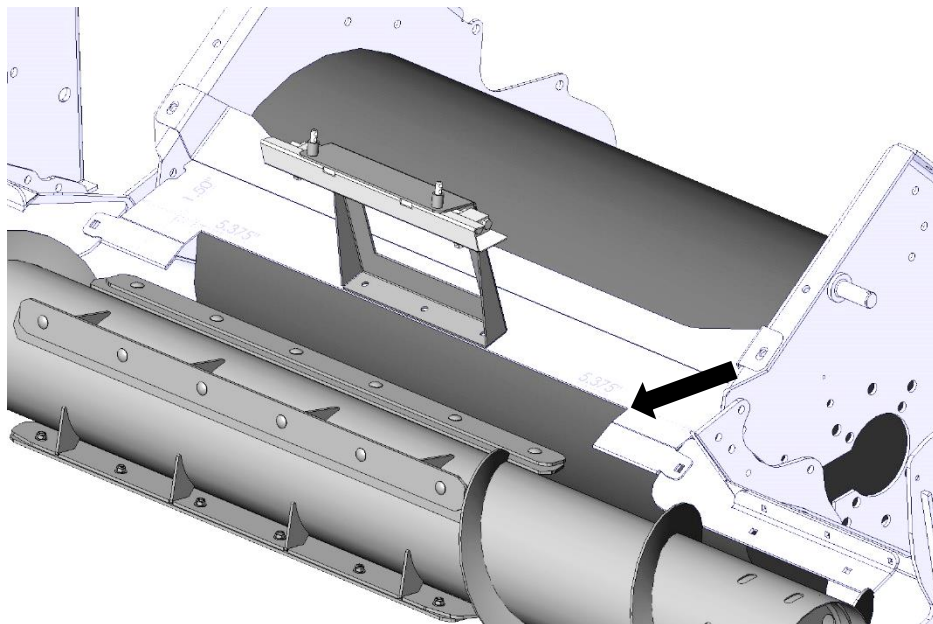


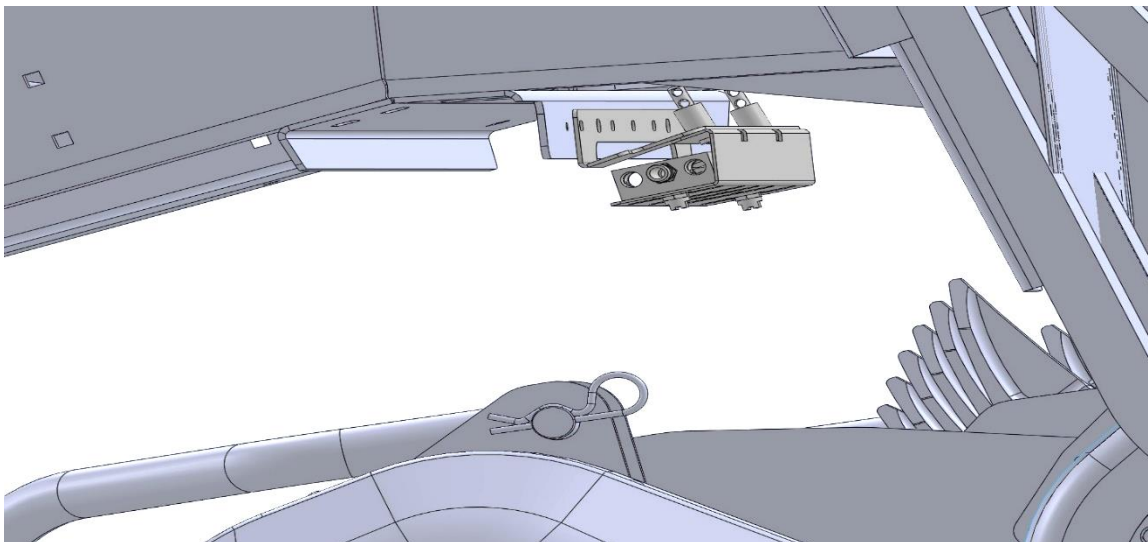
Figure 41

A piece of the guard above the rotor will need to be removed before mounting the spray shield holder (001-4435KC). Measure in 5 3/8" from each side of the guard and 1 1/2" deep as indicated in the picture above. The shield holder is centered above the area above the piece that was removed. The spray shield is then pinned in place with the lynch pins. Route hoses so they do not interfere with any moving parts, and do not fasten hoses to hydraulic lines.

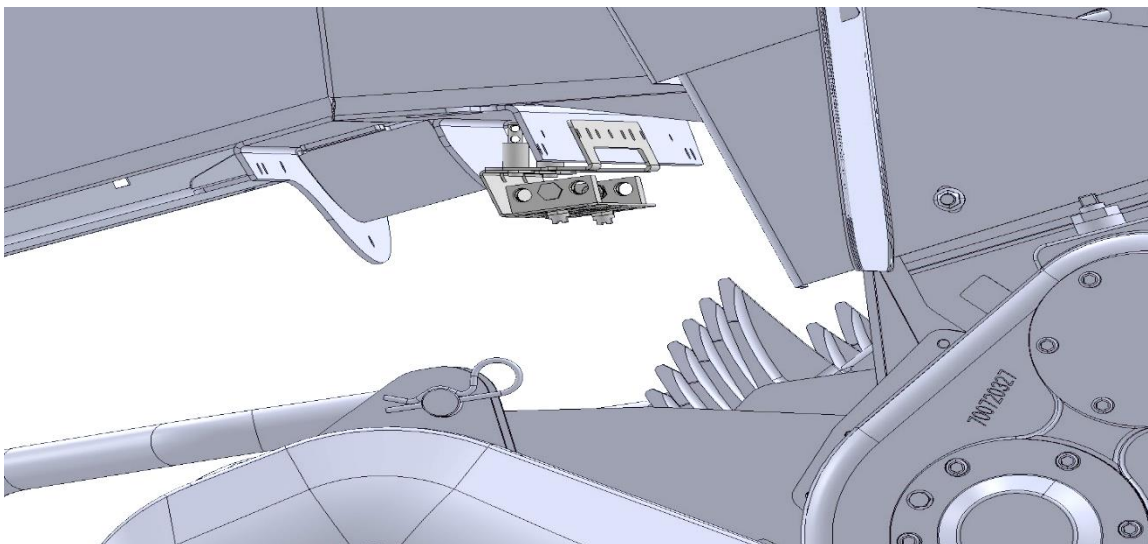
Installation Kit 4542: AGCO 2233/ 2234/ 2250/ 2270 ProCut Models

Locate the baler brackets under the tongue between the flywheel and the rotor.

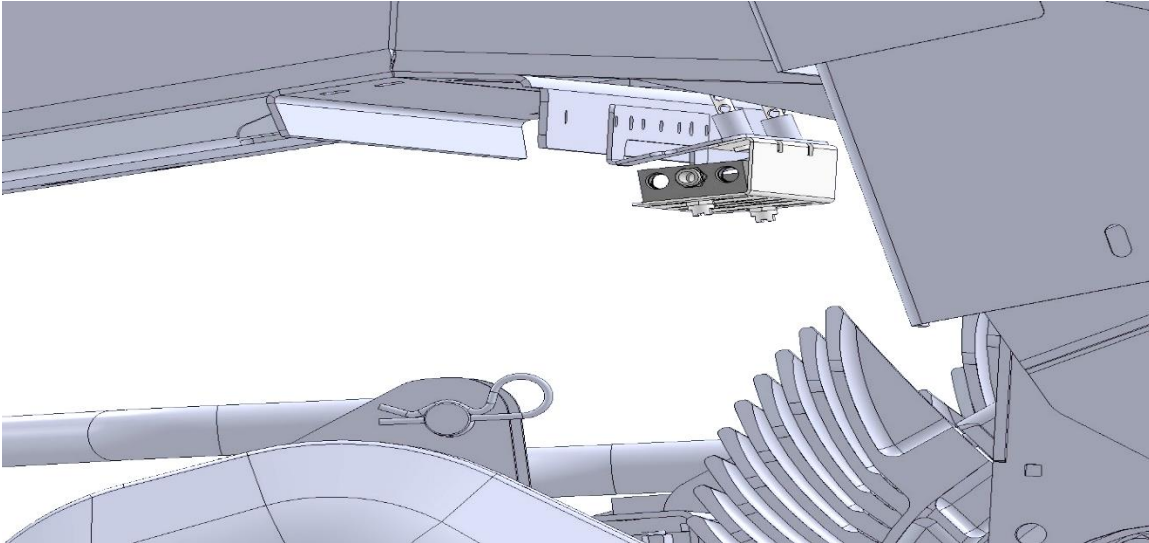
2233 ProCut- Mount spray shield holder (001-4435NAX) to the back side of the bracket on the baler, pointing rearwards. Utilize small slot #2 & #4 to secure to existing holes with the 1/4" hardware. Remove, swap and replace the hose fittings and plug ends from the spray blocks so hose comes directly out towards the RH side of baler.



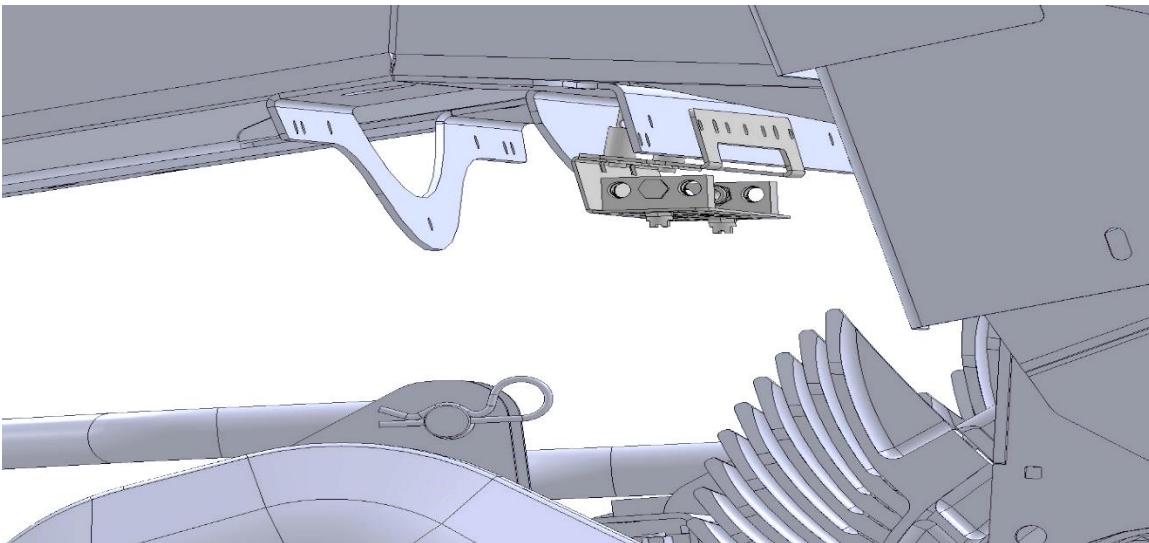
2234 ProCut- Mount spray shield holder (001-4435NAX) to the back side of the bracket on baler, pointing forward. Utilize small slot #1, #3 & #5 to secure to existing holes with the 1/4" hardware. Hoses will exit out towards RH side of baler.



2250 ProCut- Mount spray shield (001-4435NAX) to the back side of the bracket on the baler, pointing rearward. Utilize the two large slots and secure to existing holes with the 3/8" hardware. Remove, swap and reinstall the hose fittings and end plugs from the spray block so hoses are directed out toward the RH side of the baler.



2270 ProCut- Mount spray shield (001-4435NAX) to the back side of the bracket on the baler, pointing forward. Utilize large slots to secure to existing holes with the 3/8" hardware. Hoses exit out towards RH side of baler.



Installation of Spray Shield Kit 4544 (2370UHD) and 4550 (2233, 2234, 2244)

1. Locate the spray shield holder (001-4435U) and spray shield bracket (001-4435NSX) from the kit as shown as Items **A** and **B** in **Figure 1**.
2. Center the spray shield holder (Item A) on the front of the wrapper extensions, utilize existing hardware to secure to the baler as shown in Figure 2.
3. Attach the spray shield bracket (Item B) to the spray shield holder (Item A) and secure with 2 lynch pins (008-4576) as shown in **Figure 2**.

Figure 1

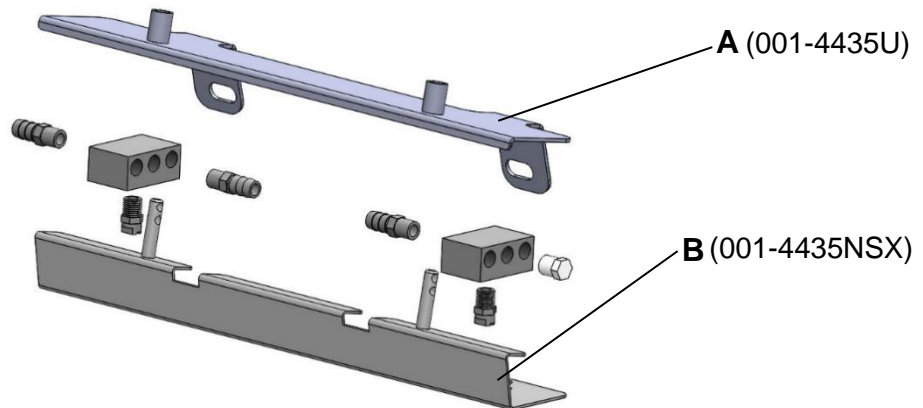
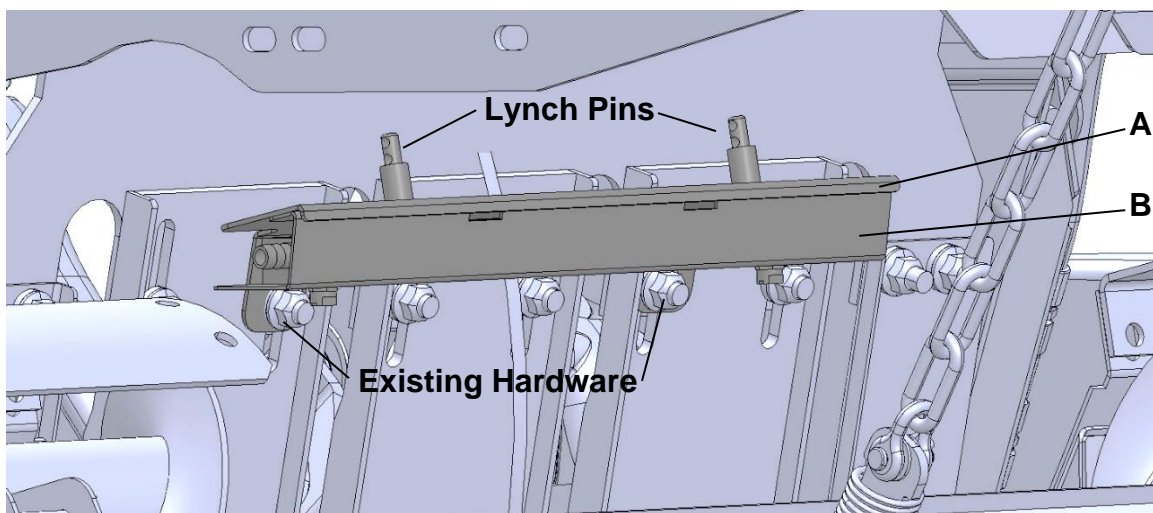


Figure 2

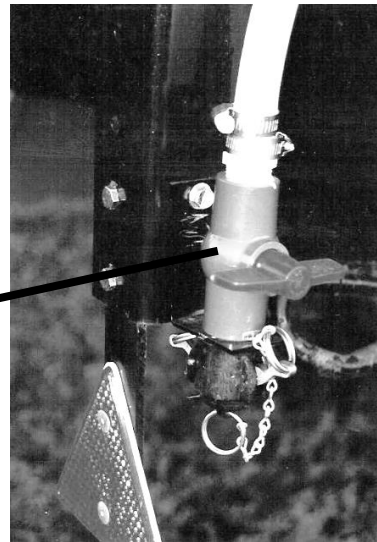


3. Installation of Gauge and Hoses

- A. Locate parts bag 13. Place gauge on upper right corner of baler, in a location visible from seat of tractor.
- B. Next, run the hose from the pump outlet to the hose fitting on the gauge. Then cut the hose to length. Place hose clamps on hose ends.
- C. Connect the quick connection from your parts bag to the other end of the gauge.
- D. Run hose from that fitting to the spray shield. Then cut the hose to length.

4. Installation of the Drain / Fill Line

- A. Locate parts bag 1. Thread 3/4" elbow fitting into end of tank.
- B. Run hose from the elbow down the frame to the bottom of the baler.
- C. Drill two 1/4" holes to accept the valve holder bracket and use 5/16" x 1" self-tapping screws and secure with two flange nuts.
- D. Connect valve assembly to other end of hose. Place hose clamps on both ends.
- E. Secure hose to frame using cable locks.
- F. Install supplied safety decals (DCL-8001 & DCL-8005) next to the ball valve assembly.



5. Installation of Controls

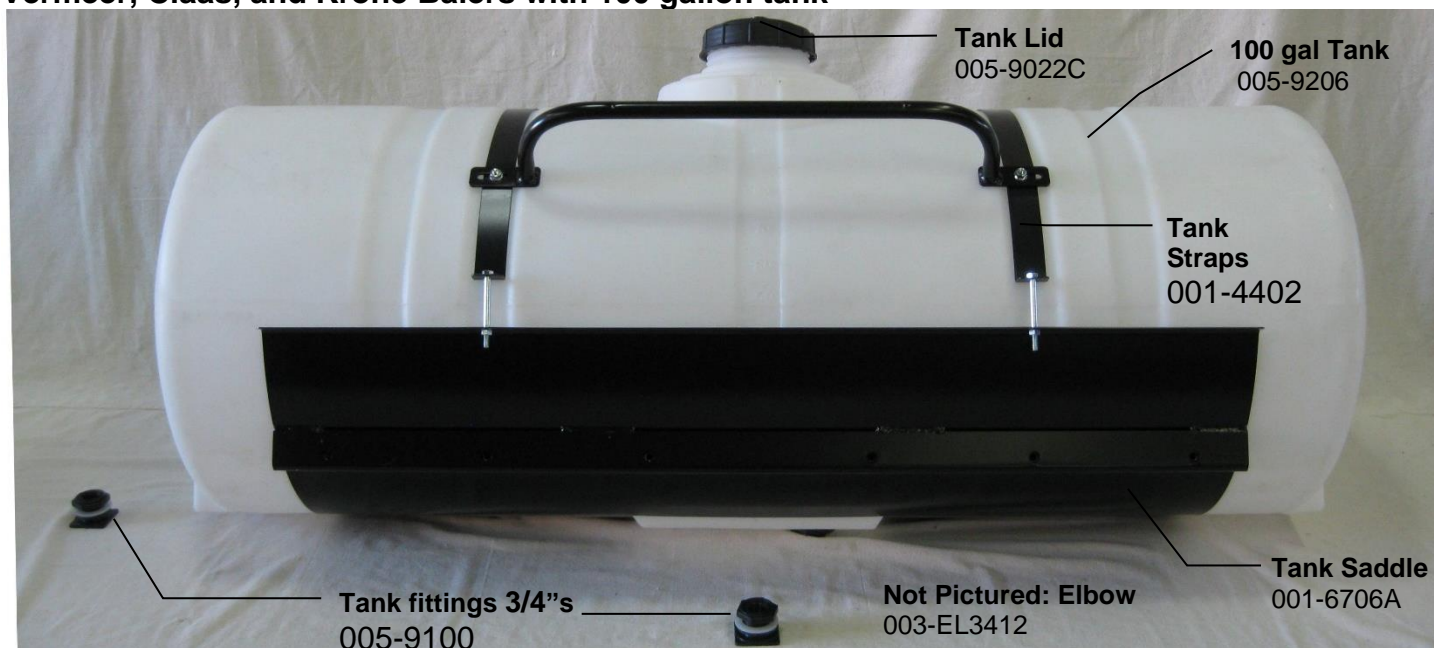
Route the wire to the starter solenoid on all 12v tractors. Connect the green lead marked + to the hot terminal on the starter. Connect the black lead to a good ground. **Do not reverse the leads.** Be sure to use a voltmeter to verify that you do have 12 volts running to the box.

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.

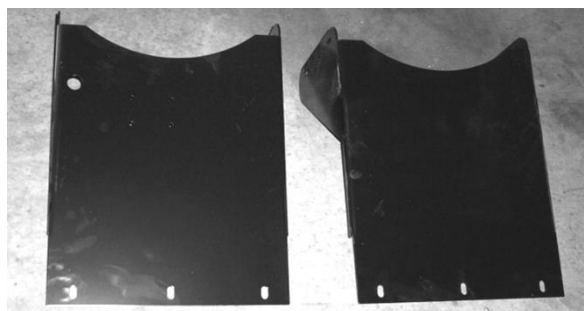
Parts Breakdown Tank, Saddle & Legs 100 Gallon

Vermeer, Claas, and Krone Balers with 100 gallon tank

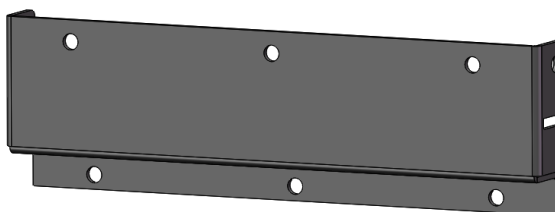


**Vermeer, Claas and Krone
Balers Saddle Legs**

Part#: 001-6706V



*If the applicator is being mounted on a **Krone 870 HDP** baler, two leg adapter brackets will be needed for proper tank leg installation (below). Part number 001-6707KV. Contact Harvest Tec



Claas 3300 Saddle Legs

Part #: 001-6706C



Tank, Saddle and Legs 110 Gallon



Tank Lid

Part#: 005-9022E
or 005-9208L

Tank-110 gallon

Part#: 005-9208

Hand Rail

Part#: 001-6707HR

Tank Straps

Part#: 001-4402B

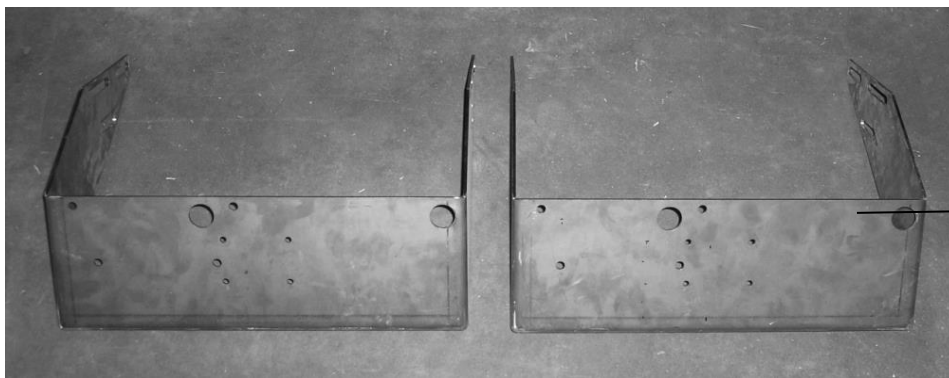
Tank Saddle

Part#: 001-6707A

Tank Fitting

Part#: 005-9100

Not Pictured: Elbow
Part#:003-EL3412



Agco, Hesston, Massey & Challenger Saddle Legs

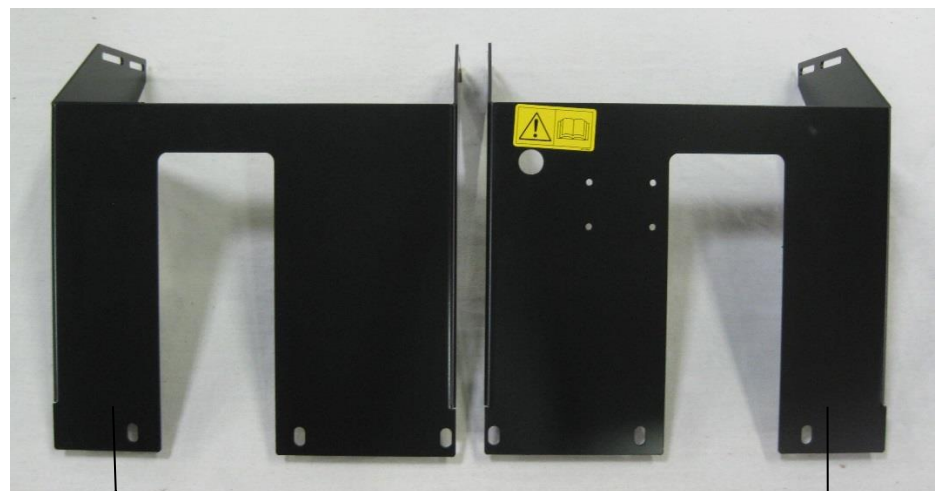
Part#: 001-6707C

**New Holland BB940A, BB960A,
Case IH LBX 332, LBX 432 Series
Saddle Legs**

Not Pictured:

Vicon Leg Spacers:
Part#: 001-6707BS (x2)

Handrail:
Part#: 001-6707HR (x1)



Left Leg Part#:001-6707BL
(2010 and older 4 ft wide)

Right Leg Part #:001-6707BR
(2010 and older 4 ft wide)

Tank, Saddle and Legs 110 Gallon (continued)

New Holland BB940A, BB960A,
Case IH LBX 332, LBX 432 Series
Saddle Legs

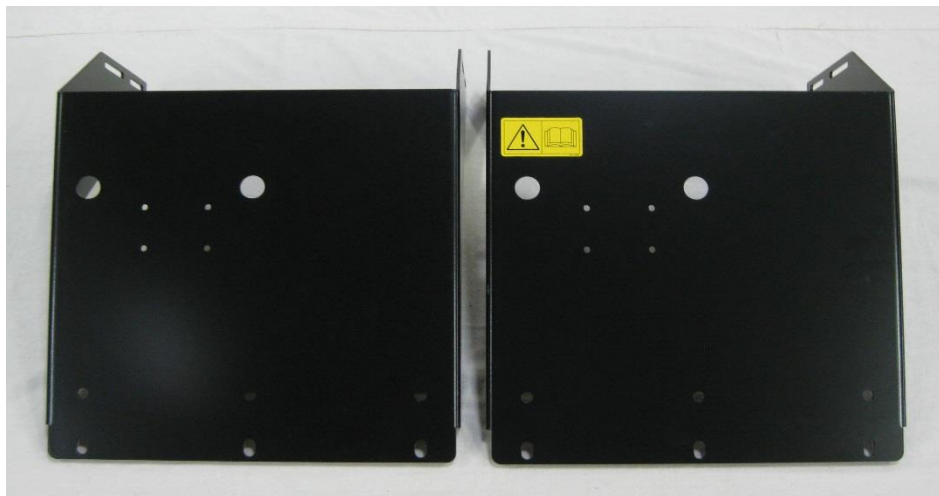


Left Leg Part#: 001-6707DL
(2011 and newer 4 ft wide)

Right Leg Part #: 001-6707DR
(2011 and newer 4 ft wide)

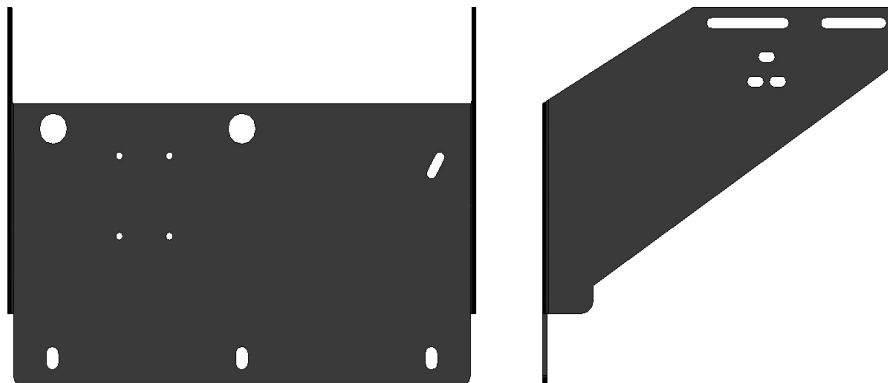
Krone Balers

Part#: 001-6707KA

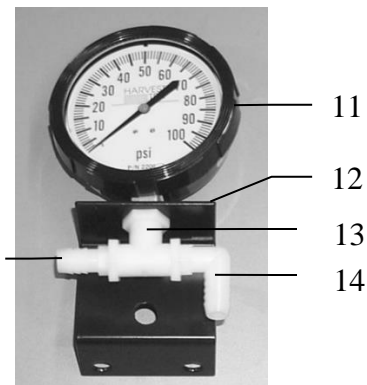
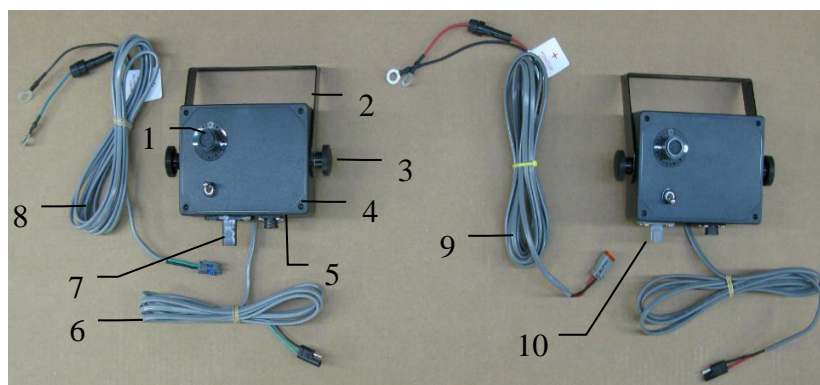


John Deere L330 / L340

Part#: 001-6707J

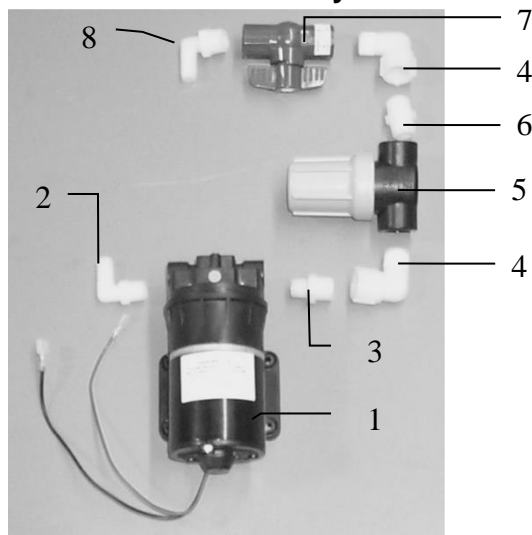


Parts Breakdown for Control Box and Wiring Harnesses, Gauge, and Pump Assembly



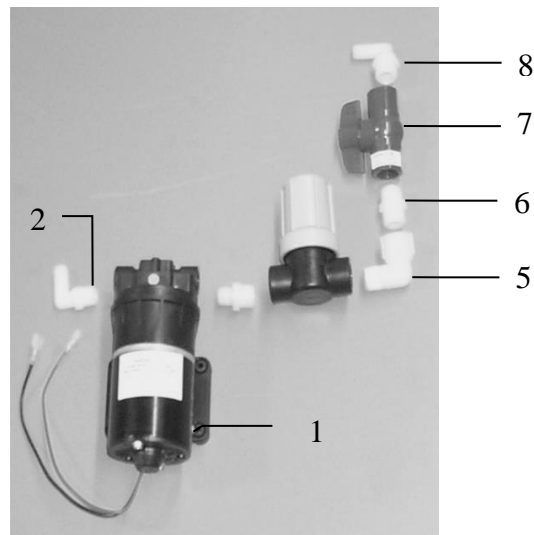
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Speed dial	006-2022A	1	9	Power lead	006-4580M	1
2	U-bracket	001-2012E	1		After Serial # 4550		
3	Control box knob	008-0923	2	10	Box Plug	006-4581M	1
4	Control box enclosure	006-2015A	1		After Serial # 4550		
5	Control box cover	006-2015B	1	11	Gauge	002-2208Z	1
6	Pump lead	006-4583	1	12	Gauge Bracket	001-4714	1
7	Box Plug	006-4581		13	Tee	004-TT14	1
	Pre-Serial # 4549			14	Elbow Fitting	003-EL1412	1
8	Power lead	006-4580C	1	15	Straight Fitting	003-A1212	1
	Pre-Serial # 4549						

AGCO Balers Only



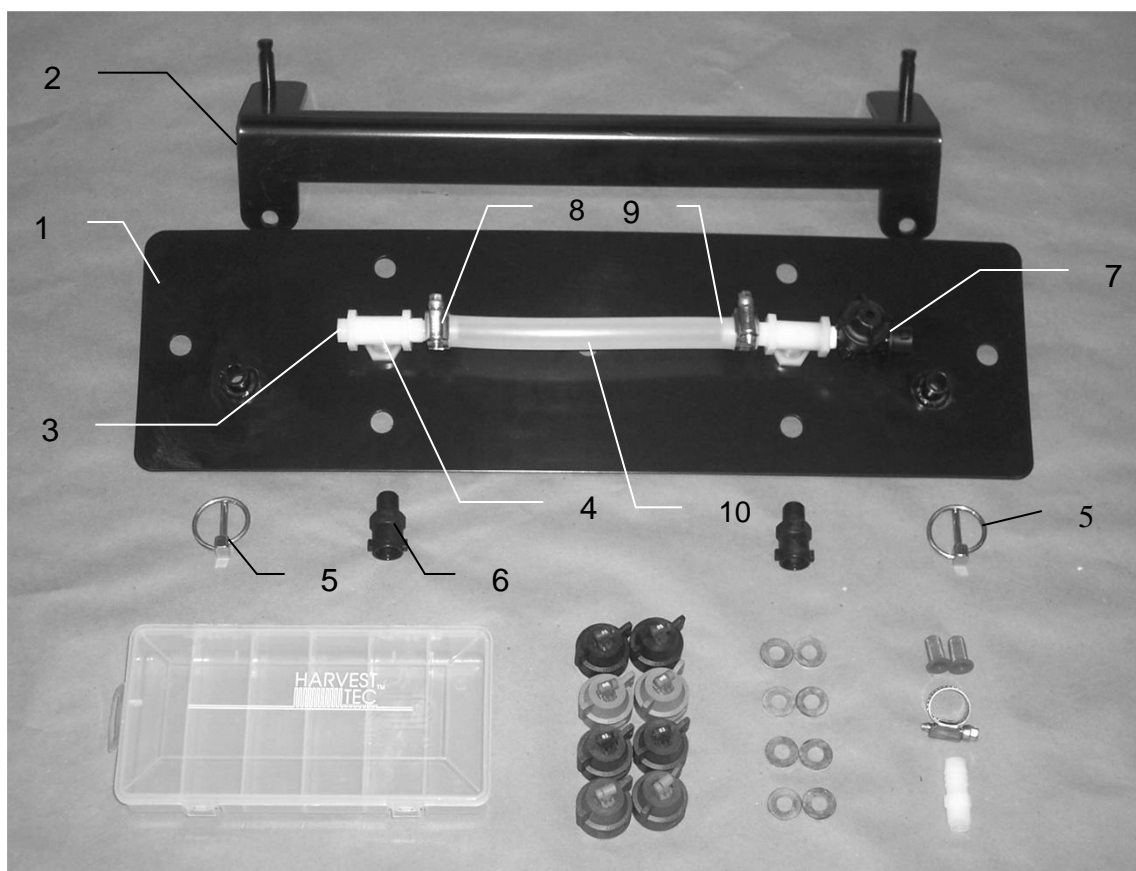
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Pump	007-4120S	1
2	Elbow	003-EL3812	1
3	Reducing Nipple	003-M1238	1
4	Street Elbow	003-SE12	2
5	Filter Bowl	002-4315	1
6	Nipple	003-M1212	1
7	Ball Valve	002-2212	1
8	Elbow	003-EL1212	1

Non-AGCO Balers



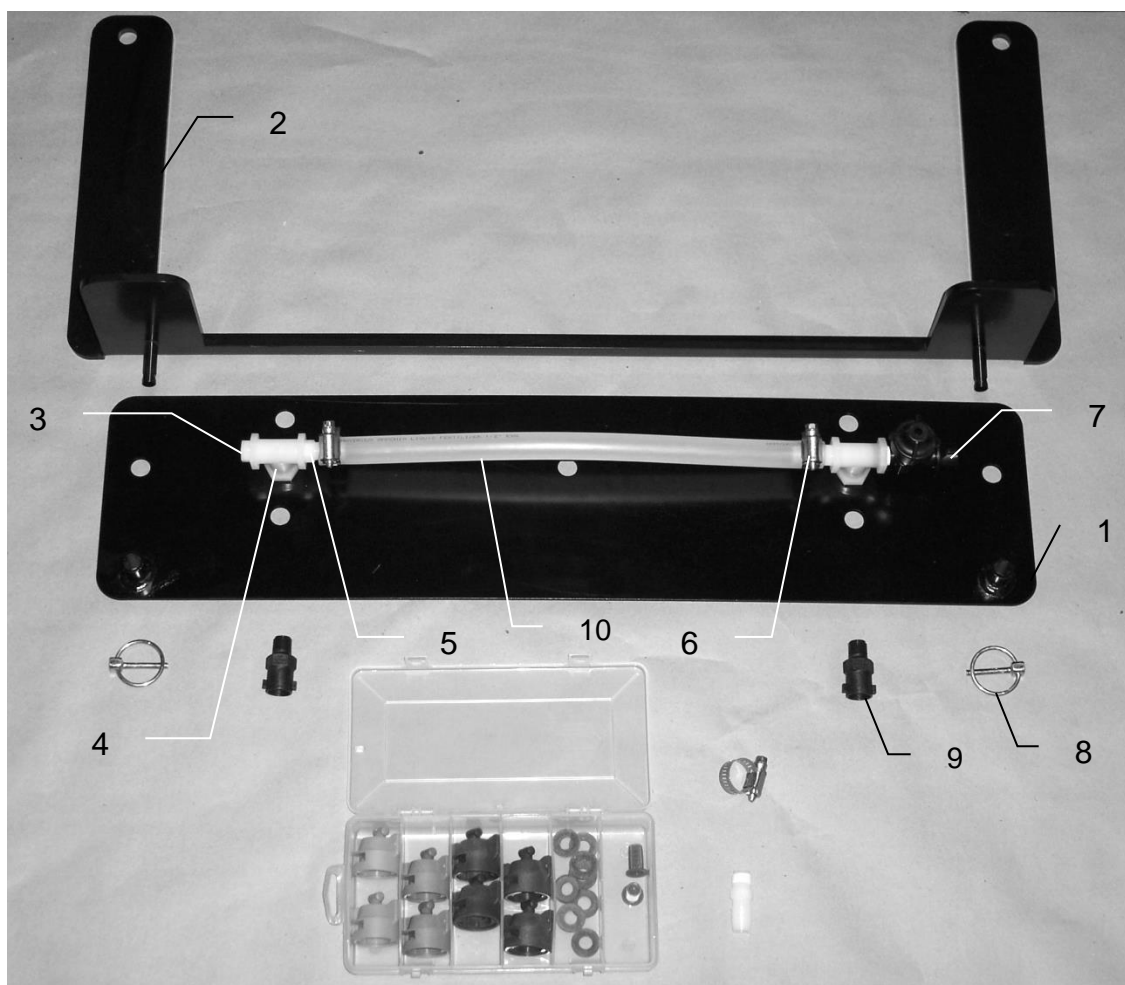
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Pump	007-4120S	1
2	Elbow	003-EL3812	1
3	Reducing Nipple	003-M1238	1
4	Filter Bowl	002-4315	1
5	Street Elbow	003-SE12	1
6	Nipple	003-M1212	1
7	Ball Valve	002-2212	1
8	Elbow	003-EL1212	1
NP	Straight Fitting	003-A1212	1
(L330/L340 Only, Replaces 003-EL1212)			

Harvest Tec Model 4438



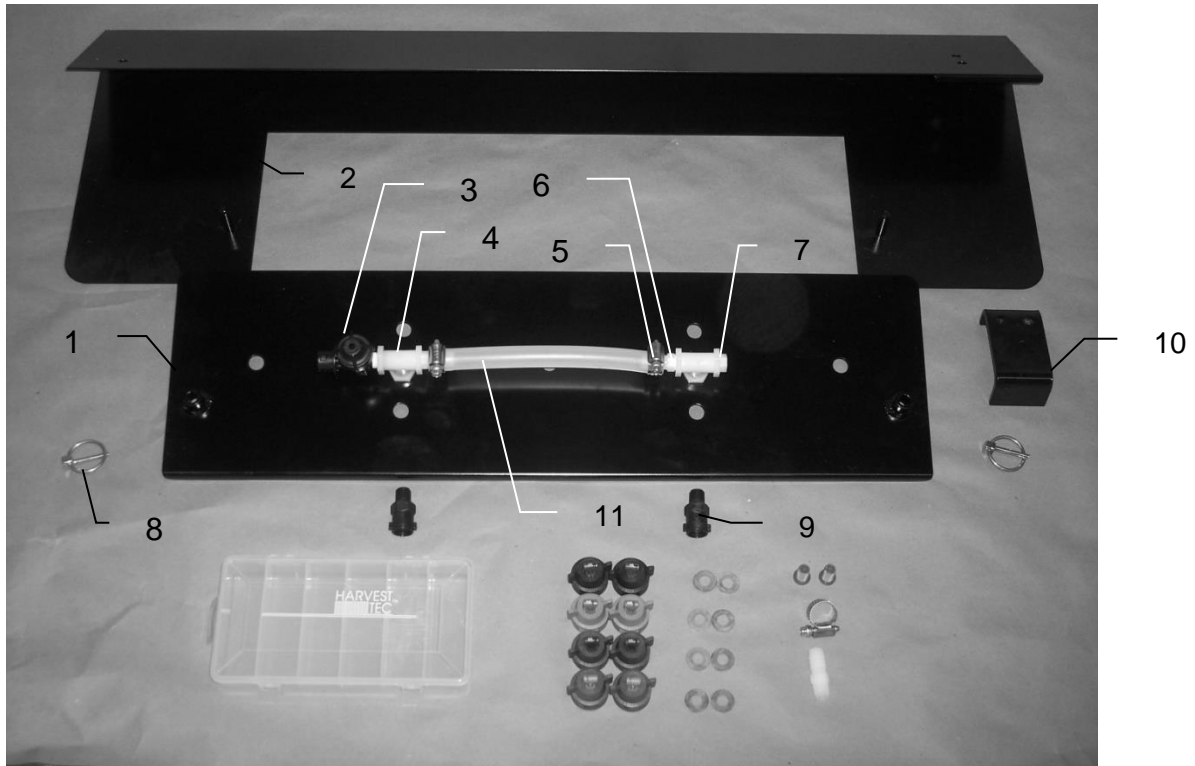
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray shield	001-4438A	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4438B	1	Tip Kit Includes:		
3	Plug	003-F14	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Lynch pin	008-4576	2	Tip (Orange Set)	004-TT11001VP	2
6	Nozzle body	004-4710	2	Green cap (Green Set)	004-1207A	2
7	Check valve	004-1207V	1	Tip (Green Set)	004-TT110015VP	2
8	Hose clamp	003-9003	3	Blue cap (Blue Set)	004-1207C	2
9	Straight Fitting	003-A1412	3	Tip (Blue Set)	004-TT11003VP	2
10	Hose	002-9001	1	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4439



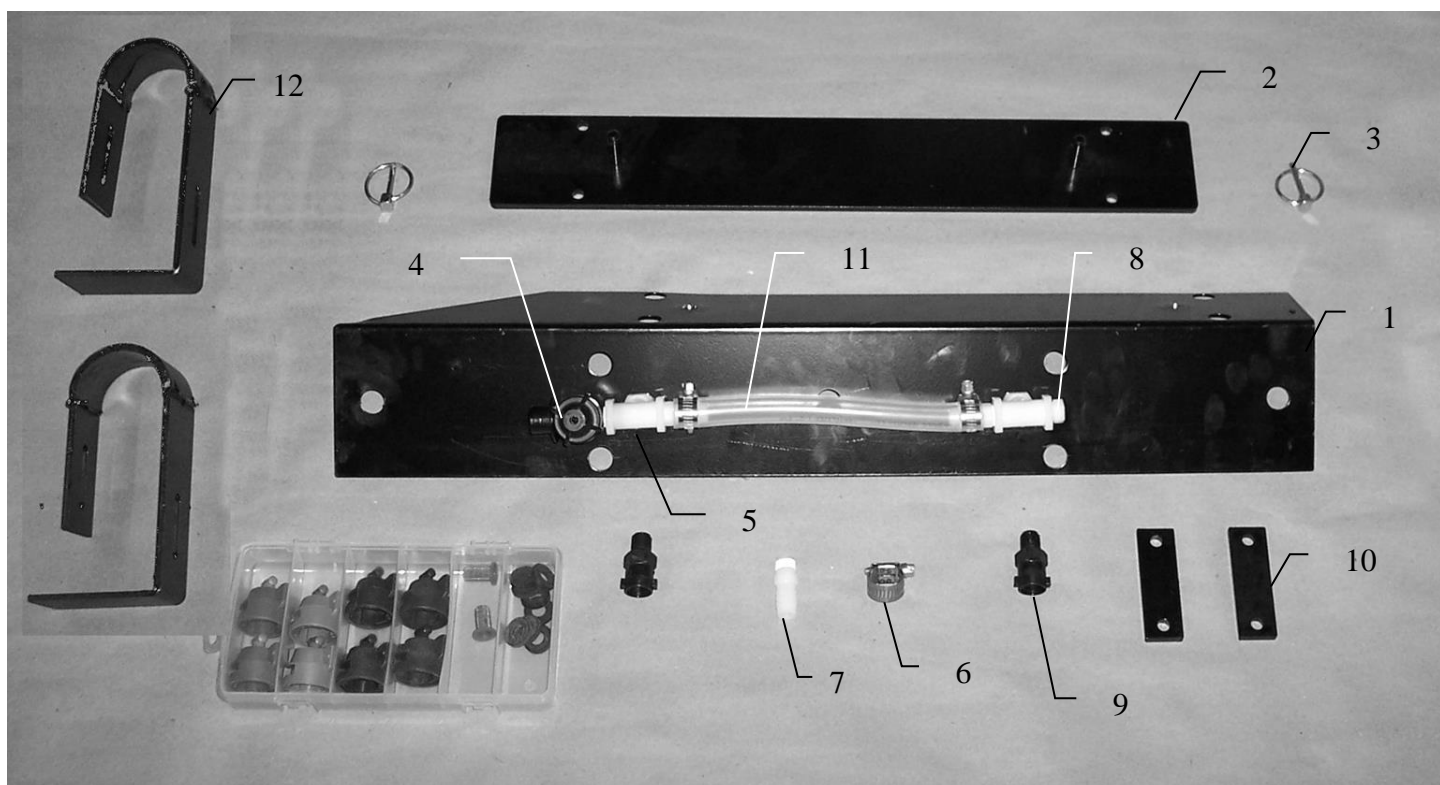
Ref	Description	Part #	Qty	Description	Part #	Qty
1	Spray shield	001-4439A	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4439B	1	Tip Kit Includes:		
3	Plug	003-F14	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Straight Fitting	003-A1412	3	Tip (Orange Set)	004-TT11001VP	2
6	Hose clamp	003-9003	3	Green cap (Green Set)	004-1207A	2
7	Check valve	004-1207V	1	Tip (Green Set)	004-TT110015VP	2
8	Lynch pin	008-4576	2	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Hose	002-9001	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4490



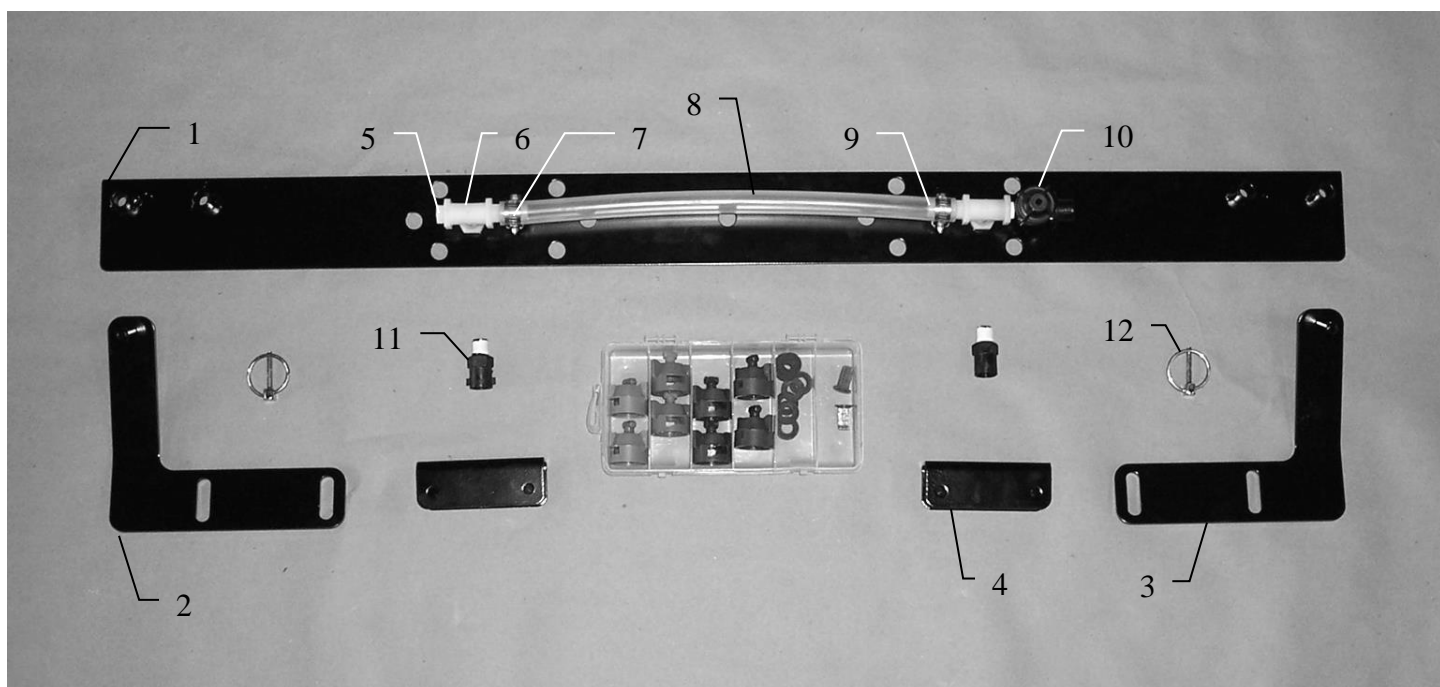
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1	Spray shield	001-4421	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4421B	1	Tip Kit Includes:		
3	Check valve	004-1207V	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose clamp	003-9003	3	Tip (Orange Set)	004-TT11001VP	2
6	Straight Fitting	003-A1412	3	Green cap (Green Set)	004-1207A	2
7	Plug	003-F14	1	Tip (Green Set)	004-TT110015VP	2
8	Lynch pin	008-4576	2	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Backing plate	001-4421A	1	Brown Cap (Brown Set)	004-1207K	2
11	Hose	002-9001	1	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4491



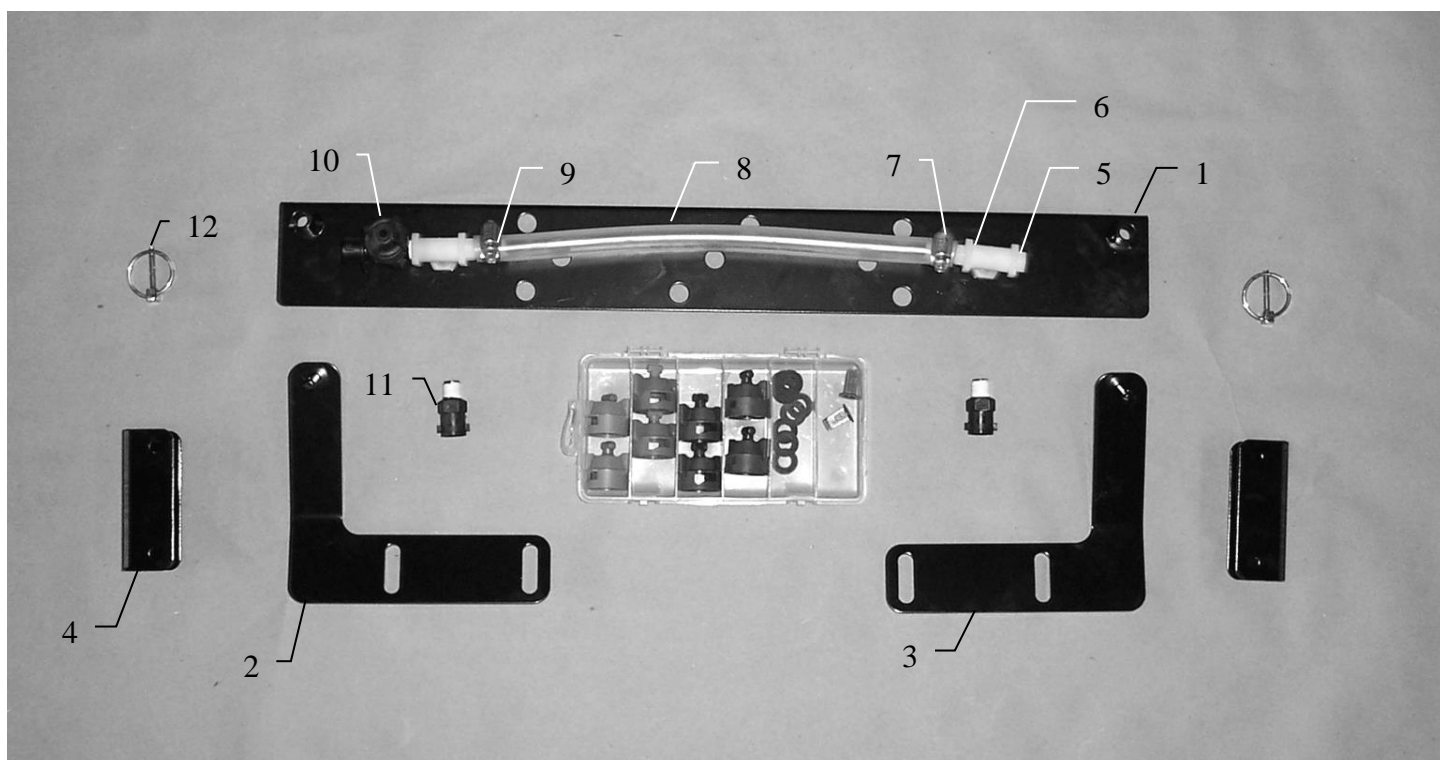
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1	Spray shield	001-4422	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4422B	1	Tip Kit Includes:		
3	Lynch pin	008-4576	2	Plastic Box	008-9000	1
4	Check valve	004-1207V	1	Orange cap (Orange Set)	004-1207J	2
5	Tee	003-TT14	2	Tip (Orange Set)	004-TT11001VP	2
6	Hose clamp	003-9003	3	Green cap (Green Set)	004-1207A	2
7	Straight Fitting	003-A1412	3	Tip (Green Set)	004-TT110015VP	2
8	Plug	003-F14	1	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Backing plate	001-4422A	2	Brown Cap (Brown Set)	004-1207K	2
11	Hose	002-9001	1ft	Tip (Brown Set)	004-TT11005VP	2
12	Ladder bracket	001-6707H	2	Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4492



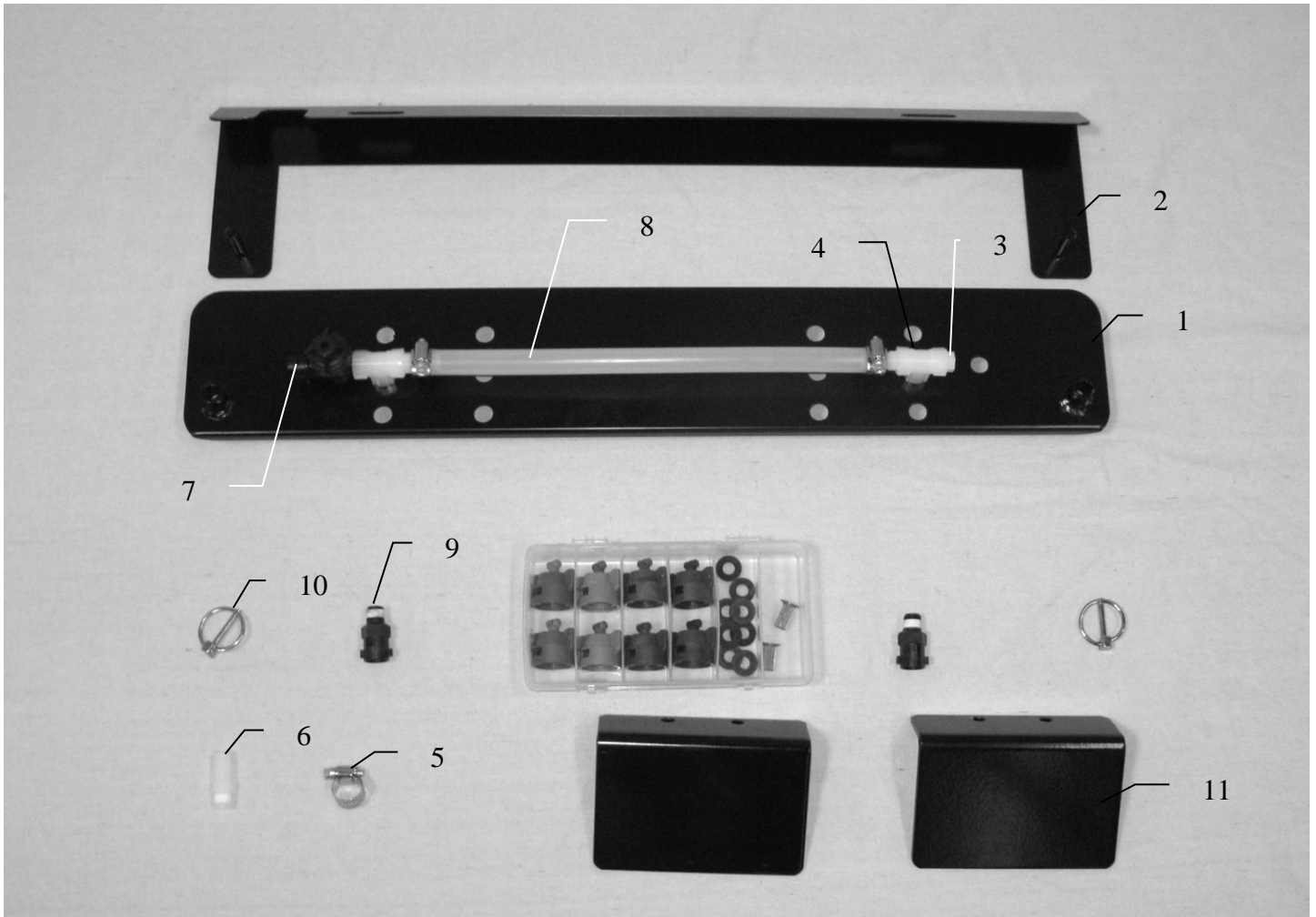
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1	Spray shield	001-4811A	1	Tip Kit (Complete)	030-9007	1
2	Left shield hanger	001-4436DL	1	Tip Kit Includes:		
3	Right shield hanger	001-4436DR	1	Plastic Box	008-9000	1
4	Spacer	001-4436S	2	Orange cap (Orange Set)	004-1207J	2
5	Plug	003-F14	1	Tip (Orange Set)	004-TT11001VP	2
6	Tee	003-TT14	2	Green cap (Green Set)	004-1207A	2
7	Hose clamp	003-9003	3	Tip (Green Set)	004-TT110015VP	2
8	Hose	002-9001	1	Blue cap (Blue Set)	004-1207C	2
9	Straight fitting	003-A1412	3	Tip (Blue Set)	004-TT11003VP	2
10	Check valve	004-1207V	1	Brown Cap (Brown Set)	004-1207K	2
11	Nozzle body	004-4710	2	Tip (Brown Set)	004-TT11005VP	2
12	Lynch pin	008-4576	2	Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4494



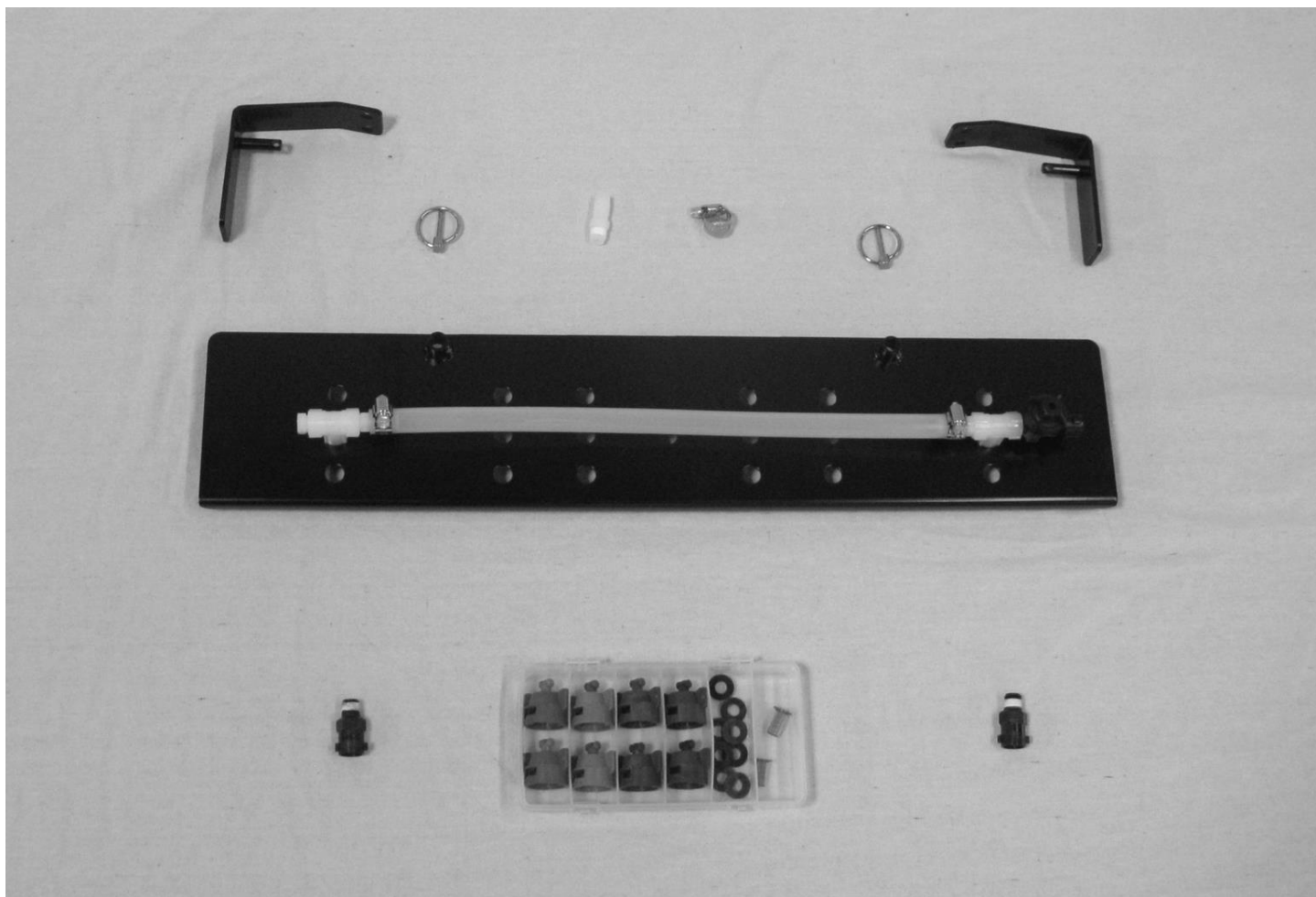
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1	Spray shield	001-4810	1	Tip Kit (Complete)	030-9007	1
2	Left shield hanger	001-4436DL	1	Tip Kit Includes:		
3	Right shield hanger	001-4436DR	1	Plastic Box	008-9000	1
4	Spacer	001-4436S	2	Orange cap (Orange Set)	004-1207J	2
5	Plug	003-F14	1	Tip (Orange Set)	004-TT11001VP	2
6	Tee	003-TT14	2	Green cap (Green Set)	004-1207A	2
7	Hose clamp	003-9003	3	Tip (Green Set)	004-TT110015VP	2
8	Hose	002-9001	1	Blue cap (Blue Set)	004-1207C	2
9	Straight fitting	003-A1412	3	Tip (Blue Set)	004-TT11003VP	2
10	Check valve	004-1207V	1	Brown Cap (Brown Set)	004-1207K	2
11	Nozzle body	004-4710	2	Tip (Brown Set)	004-TT11005VP	2
12	Lynch pin	008-4576	2	Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4495 & 4528



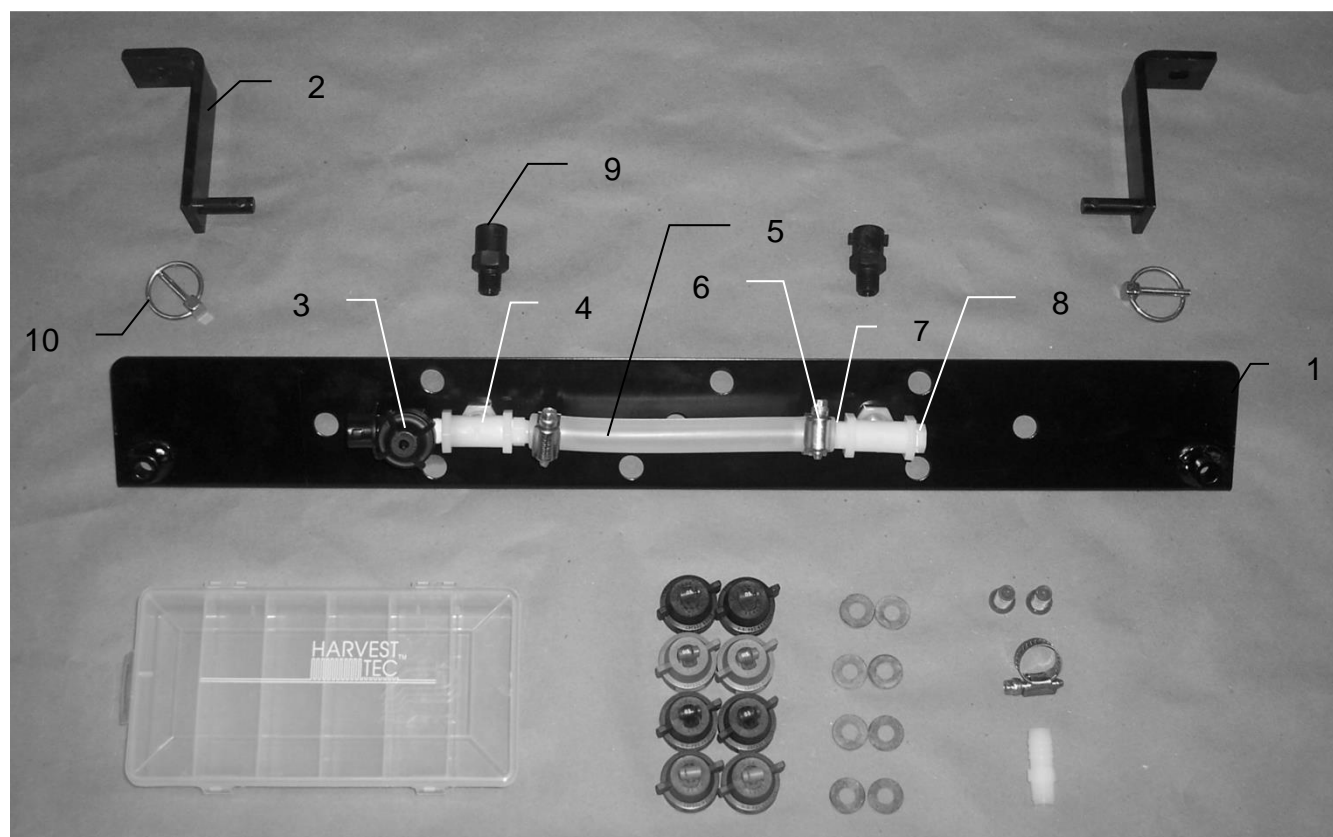
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1	Spray shield	001-4431B	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4431	1	Tip Kit Includes:		
3	Plug	003-F14	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose clamp	003-9003	3	Tip (Orange Set)	004-TT11001VP	2
6	Straight Fitting	003-A1412	3	Green cap (Green Set)	004-1207A	2
7	Check valve	004-1207V	1	Tip (Green Set)	004-TT110015VP	2
8	Hose	002-9001	1	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
11	Wind guard stop	001-4431D	2	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4497 & 4529



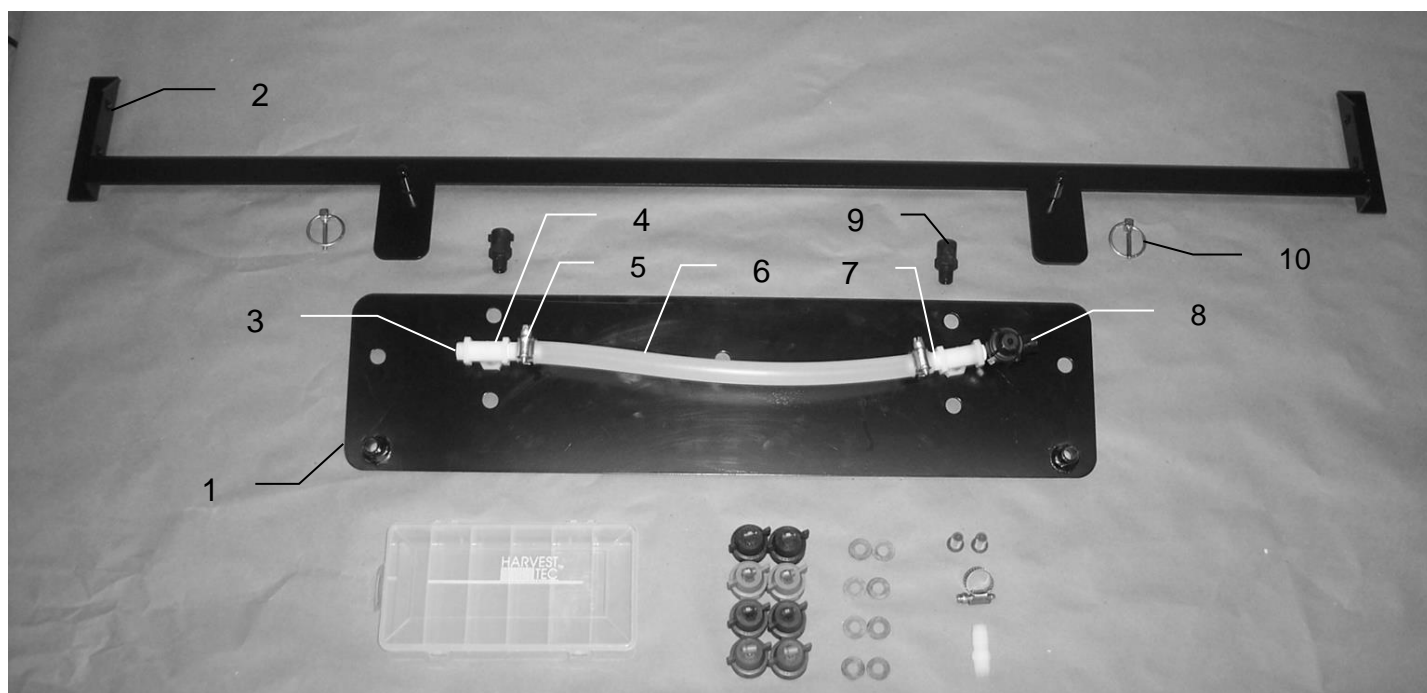
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1	Spray shield	001-4435ES	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4435E	2	Tip Kit Includes:		
3	Plug	003-F14	1	Plastic Box	008-9000	1
4	Hose clamp	003-9003	3	Orange cap (Orange Set)	004-1207J	2
5	Hose	002-9001	2	Tip (Orange Set)	004-TT11001VP	2
6	Straight Fitting	003-A1412	3	Green cap (Green Set)	004-1207A	2
7	Tee	003-TT14	2	Tip (Green Set)	004-TT110015VP	2
8	Check valve	004-1207V	1	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4498



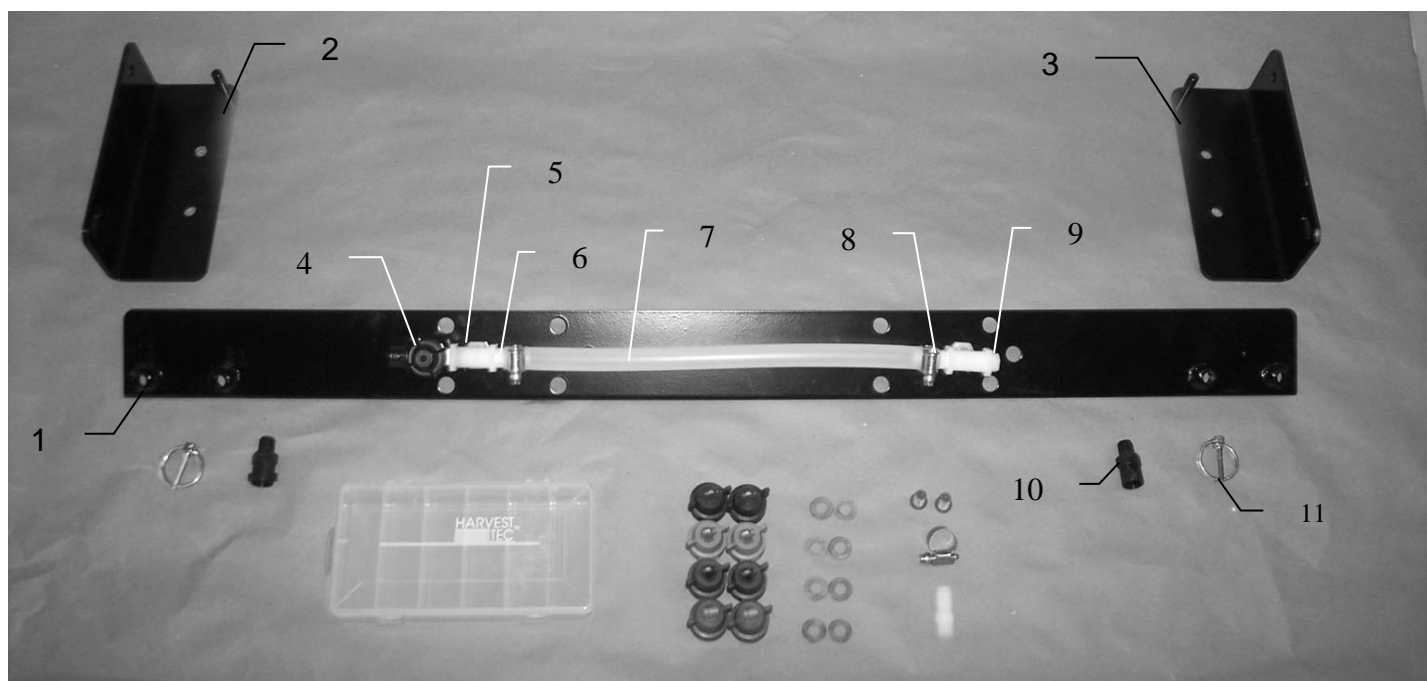
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1	Spray shield	001-4810	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4810A	2	Tip Kit Includes:		
3	Check valve	004-1207V	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose	002-9001	1	Tip (Orange Set)	004-TT11001VP	2
6	Hose clamp	003-9003	3	Green cap (Green Set)	004-1207A	2
7	Straight Fitting	003-A1412	3	Tip (Green Set)	004-TT110015VP	2
8	Plug	003-F14	1	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4499



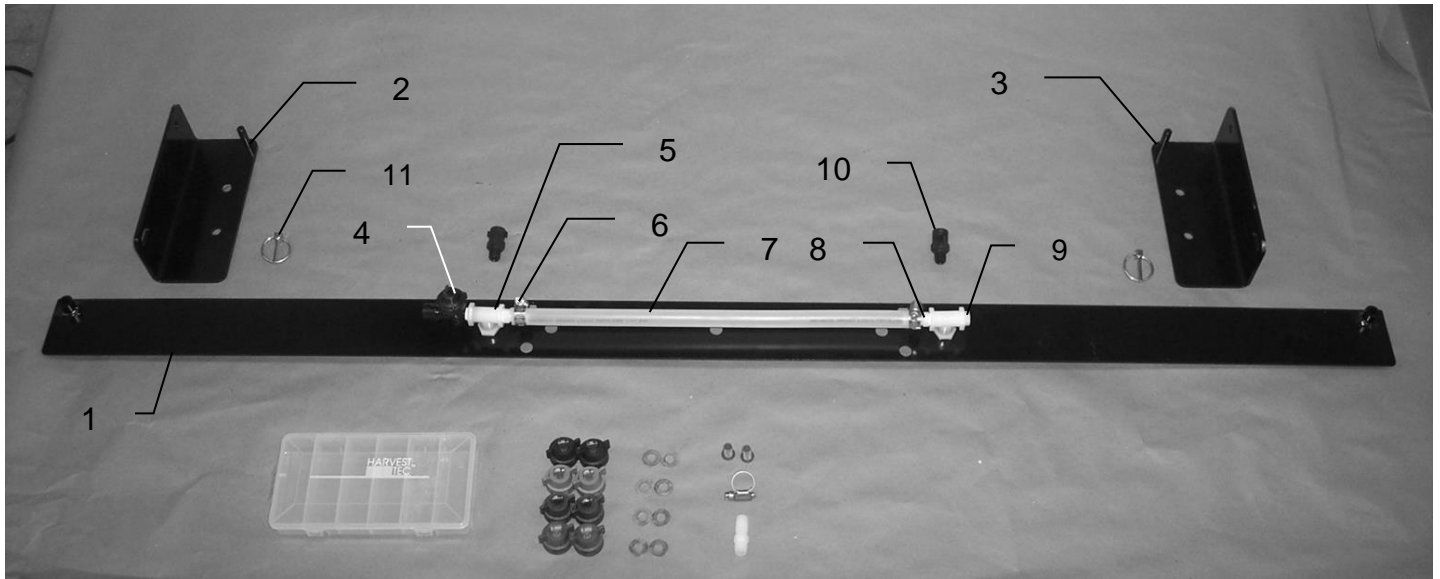
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1	Spray shield	001-4439A	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4440	1	Tip Kit Includes:		
3	Plug	003-F14	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose clamp	003-9003	3	Tip (Orange Set)	004-TT11001VP	2
6	Hose	002-9001	1	Green cap (Green Set)	004-1207A	2
7	Straight Fitting	003-A1412	3	Tip (Green Set)	004-TT110015VP	2
8	Check valve	004-1207V	1	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4500



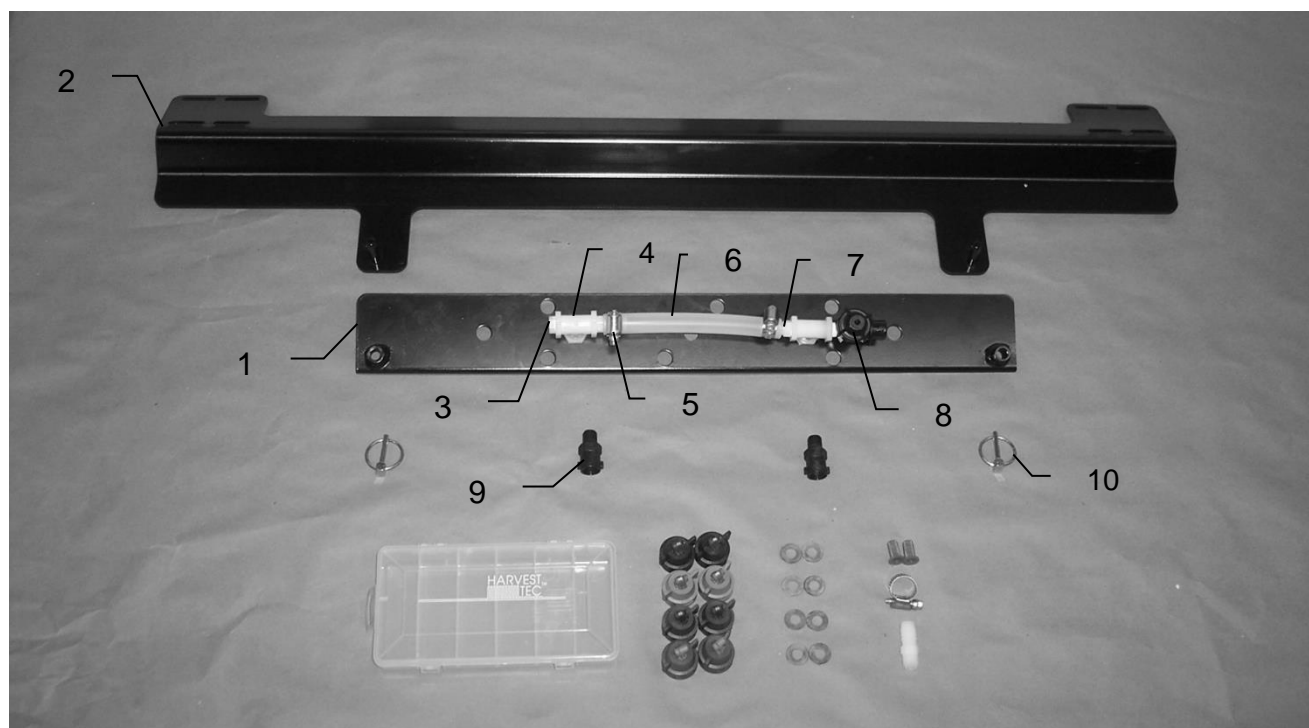
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1	Spray shield	001-4811A	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4436CL	1	Tip Kit Includes:		
3	Shield holder	001-4436CR	1	Plastic Box	008-9000	1
4	Check valve	004-1207V	1	Orange cap (Orange Set)	004-1207J	2
5	Tee	003-TT14	2	Tip (Orange Set)	004-TT11001VP	2
6	Straight Fitting	003-A1412	3	Green cap (Green Set)	004-1207A	2
7	Hose	002-9001	2	Tip (Green Set)	004-TT110015VP	2
8	Hose clamp	003-9003	3	Blue cap (Blue Set)	004-1207C	2
9	Plug	003-F14	1	Tip (Blue Set)	004-TT11003VP	2
10	Nozzle body	004-4710	2	Brown Cap (Brown Set)	004-1207K	2
11	Lynch pin	008-4576	2	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4501



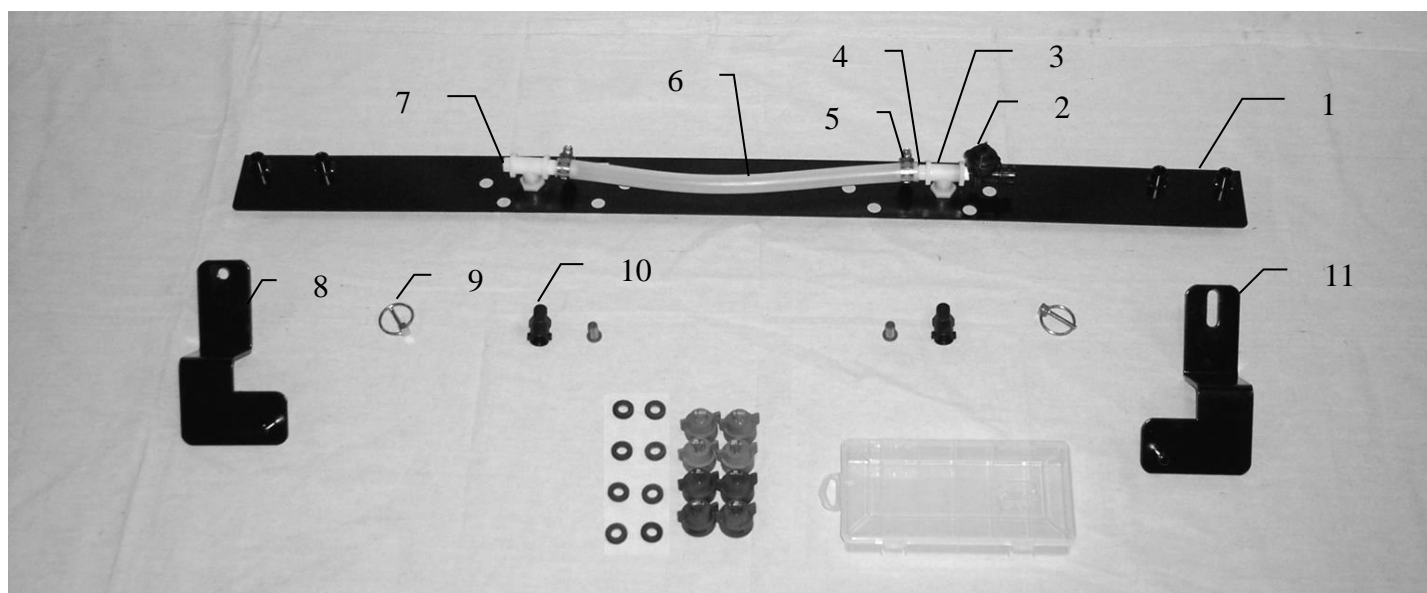
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1	Spray shield	001-4436CS	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4436CL	1	Tip Kit Includes:		
3	Shield holder	001-4436CR	1	Plastic Box	008-9000	1
4	Check valve	004-1207V	1	Orange cap (Orange Set)	004-1207J	2
5	Tee	003-TT14	2	Tip (Orange Set)	004-TT11001VP	2
6	Hose clamp	003-9003	3	Green cap (Green Set)	004-1207A	2
7	Hose	002-9001	2	Tip (Green Set)	004-TT110015VP	2
8	Straight Fitting	003-A1412	3	Blue cap (Blue Set)	004-1207C	2
9	Plug	003-F14	1	Tip (Blue Set)	004-TT11003VP	2
10	Nozzle body	004-4710	2	Brown Cap (Brown Set)	004-1207K	2
11	Lynch pin	008-4576	2	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4509



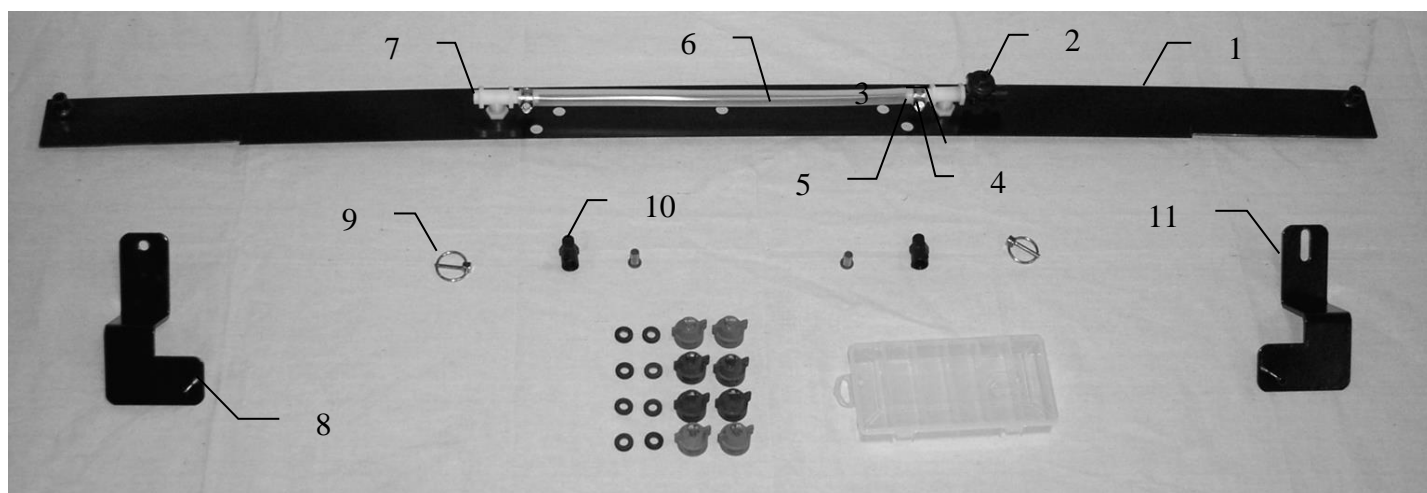
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1	Spray shield	001-4810	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4440A	1	Tip Kit Includes:		
3	Plug	003-F14	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose clamp	003-9003	3	Tip (Orange Set)	004-TT11001VP	2
6	Hose	002-9001	1	Green cap (Green Set)	004-1207A	2
7	Straight Fitting	003-A1412	3	Tip (Green Set)	004-TT110015VP	2
8	Check valve	004-1207V	1	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
NP	U bolts	001-4714UBS	4	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4510



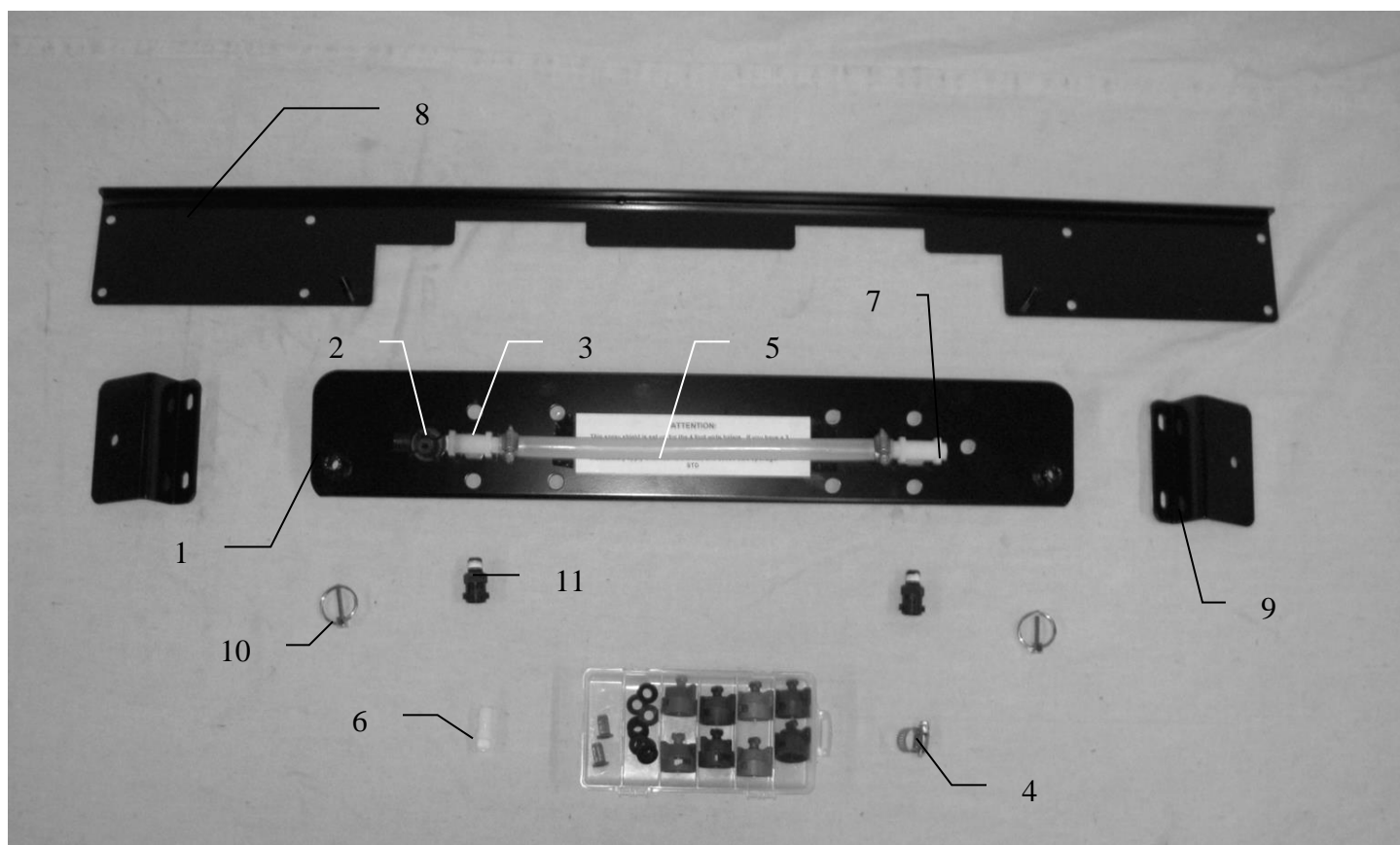
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1	Spray shield	001-4811A	1	Tip Kit (Complete)	030-9007	1
2	Check valve	004-1207V	1	Tip Kit Includes:		
3	Tee	003-TT14	2	Plastic Box	008-9000	1
4	Straight fitting	003-A1412	3	Orange cap (Orange Set)	004-1207J	2
5	Hose clamp	003-9003	3	Tip (Orange Set)	004-TT11001VP	2
6	Hose	002-9001	2	Green cap (Green Set)	004-1207A	2
7	Plug	003-F14	1	Tip (Green Set)	004-TT110015VP	2
8	Shield holder	001-4704A	1	Blue cap (Blue Set)	004-1207C	2
9	Lynch pin	008-4576	2	Tip (Blue Set)	004-TT11003VP	2
10	Nozzle body	004-4710	2	Brown Cap (Brown Set)	004-1207K	2
11	Shield holder	001-4704B	1	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4511



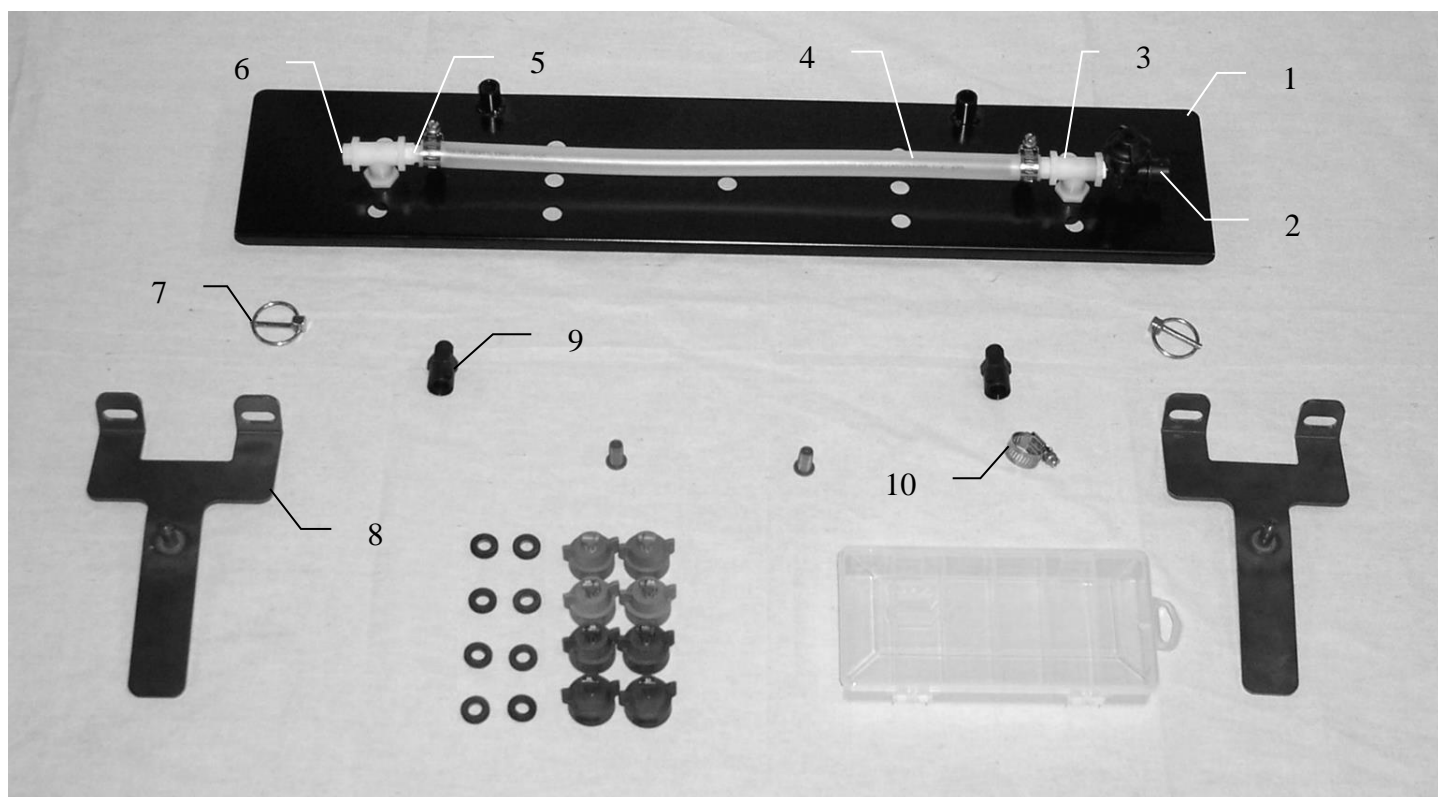
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1	Spray shield	001-4704C	1	Tip Kit (Complete)	030-9007	1
2	Check valve	004-1207V	1	Tip Kit Includes:		
3	Tee	003-TT14	2	Plastic Box	008-9000	1
4	Hose clamp	003-9003	3	Orange cap (Orange Set)	004-1207J	2
5	Straight fitting	003-A1412	3	Tip (Orange Set)	004-TT11001VP	2
6	Hose	002-9001	2	Green cap (Green Set)	004-1207A	2
7	Plug	003-F14	1	Tip (Green Set)	004-TT110015VP	2
8	Shield holder	001-4704A	1	Blue cap (Blue Set)	004-1207C	2
9	Lynch pin	008-4576	2	Tip (Blue Set)	004-TT11003VP	2
10	Nozzle body	004-4710	2	Brown Cap (Brown Set)	004-1207K	2
11	Shield holder	001-4704B	1	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4514



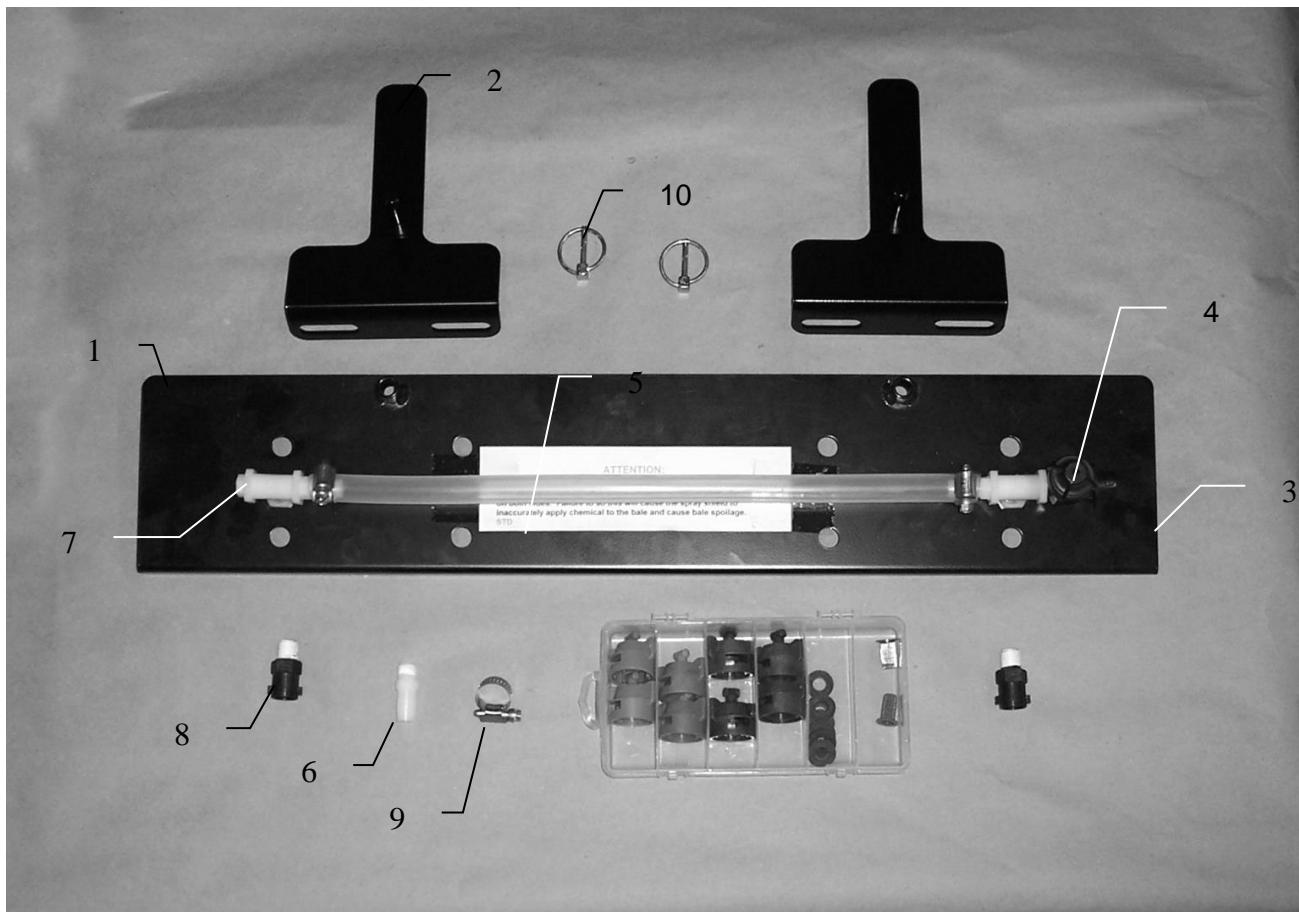
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray shield	001-4431B	1	Tip Kit (Complete)	030-9007	1
2	Check valve	004-1207V	1	Tip Kit Includes:		
3	Tee	003-TT14	2	Plastic Box	008-9000	1
4	Hose clamp	003-9003	3	Orange cap (Orange Set)	004-1207J	2
5	Hose	002-9001	2	Tip (Orange Set)	004-TT11001VP	2
6	Straight fitting	003-A1412	3	Green cap (Green Set)	004-1207A	2
7	Plug	003-F14	1	Tip (Green Set)	004-TT110015VP	2
8	Shield holder	001-4431KA	1	Blue cap (Blue Set)	004-1207C	2
9	Shield mtg bkt	001-4431KB	2	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
11	Nozzle body	004-4710	2	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4515



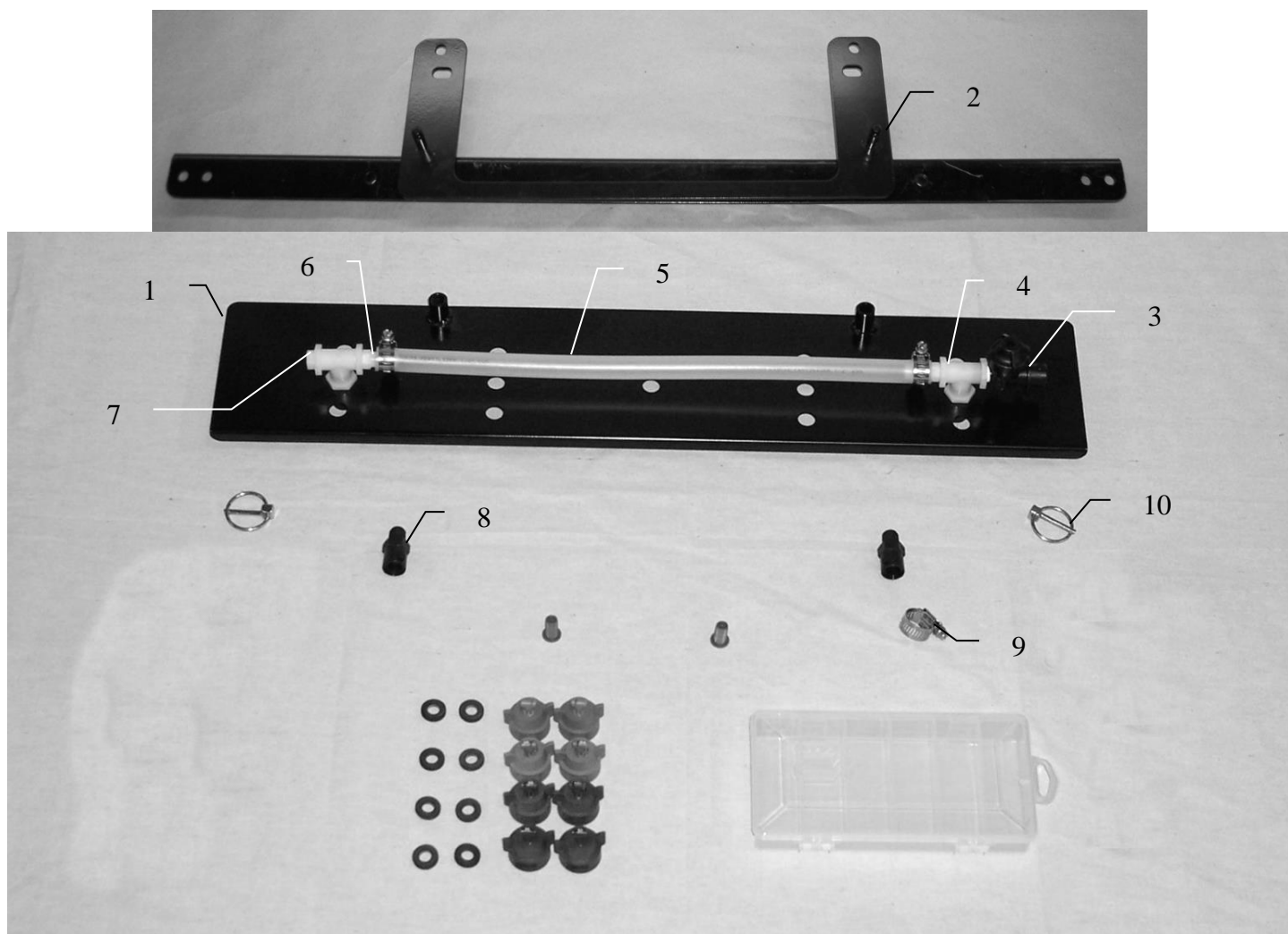
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray shield	001-4435ES	1	Tip Kit (Complete)	030-9007	1
2	Check valve	004-1207V	1	Tip Kit Includes:		
3	Tee	003-TT14	2	Plastic Box	008-9000	1
4	Hose	002-9001	2	Orange cap (Orange Set)	004-1207J	2
5	Straight fitting	003-A1412	3	Tip (Orange Set)	004-TT11001VP	2
6	Plug	003-F14	1	Green cap (Green Set)	004-1207A	2
7	Lynch pin	008-4576	2	Tip (Green Set)	004-TT110015VP	2
8	Shield holder	001-4435K	2	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Hose clamp	003-9003	3	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4518



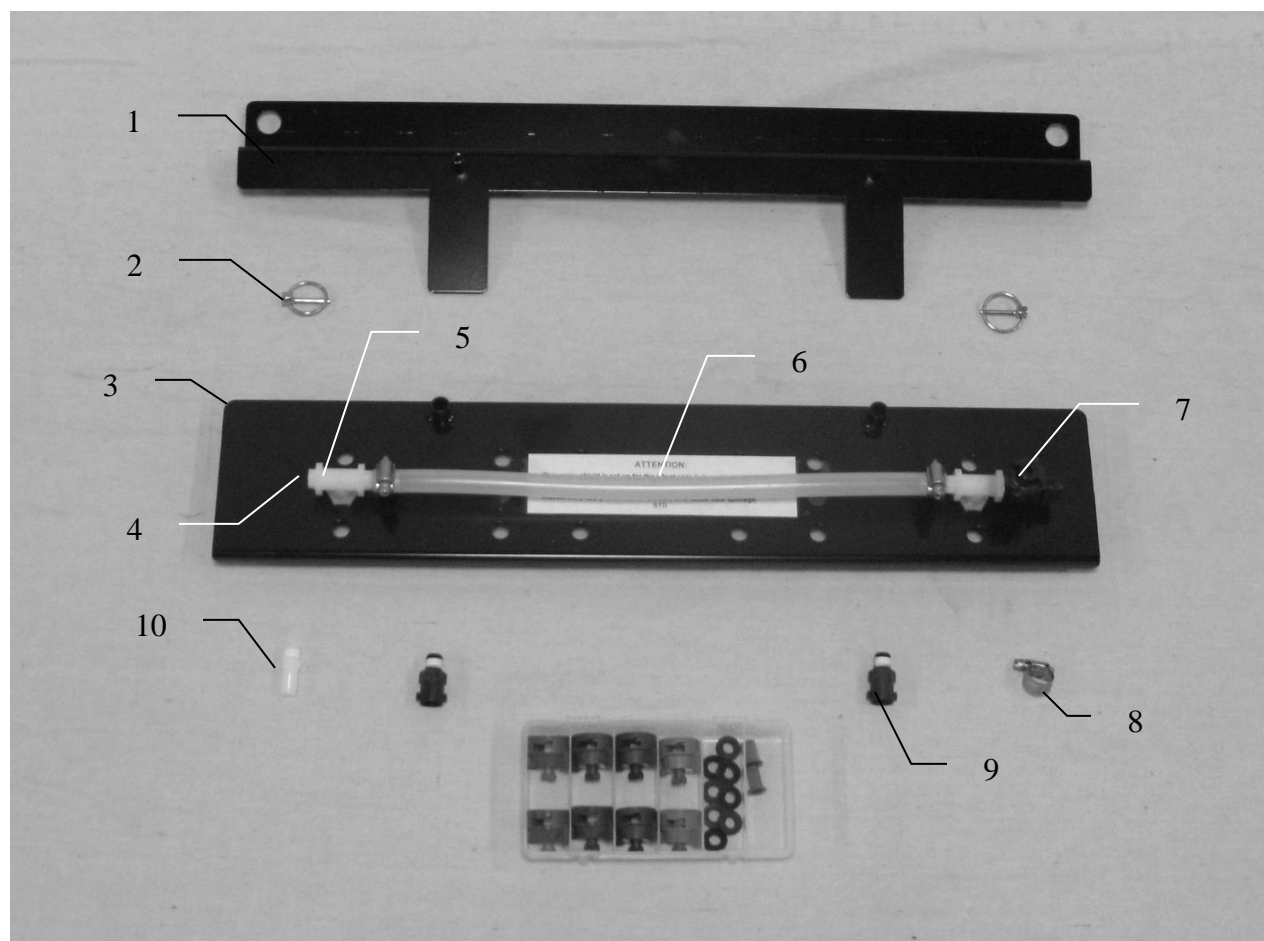
Ref	Description	Part #	Qty	Description	Part #	Qty
1	Spray shield	001-4435ES	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4435H	2	Tip Kit Includes:		
3	Check valve	004-1207V	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose	002-9001	2	Tip (Orange Set)	004-TT11001VP	2
6	Straight fitting	003-A1412	2	Green cap (Green Set)	004-1207A	2
7	Plug	003-F14	1	Tip (Green Set)	004-TT110015VP	2
8	Nozzle body	004-4710	2	Blue cap (Blue Set)	004-1207C	2
9	Hose clamp	003-9003	3	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4519



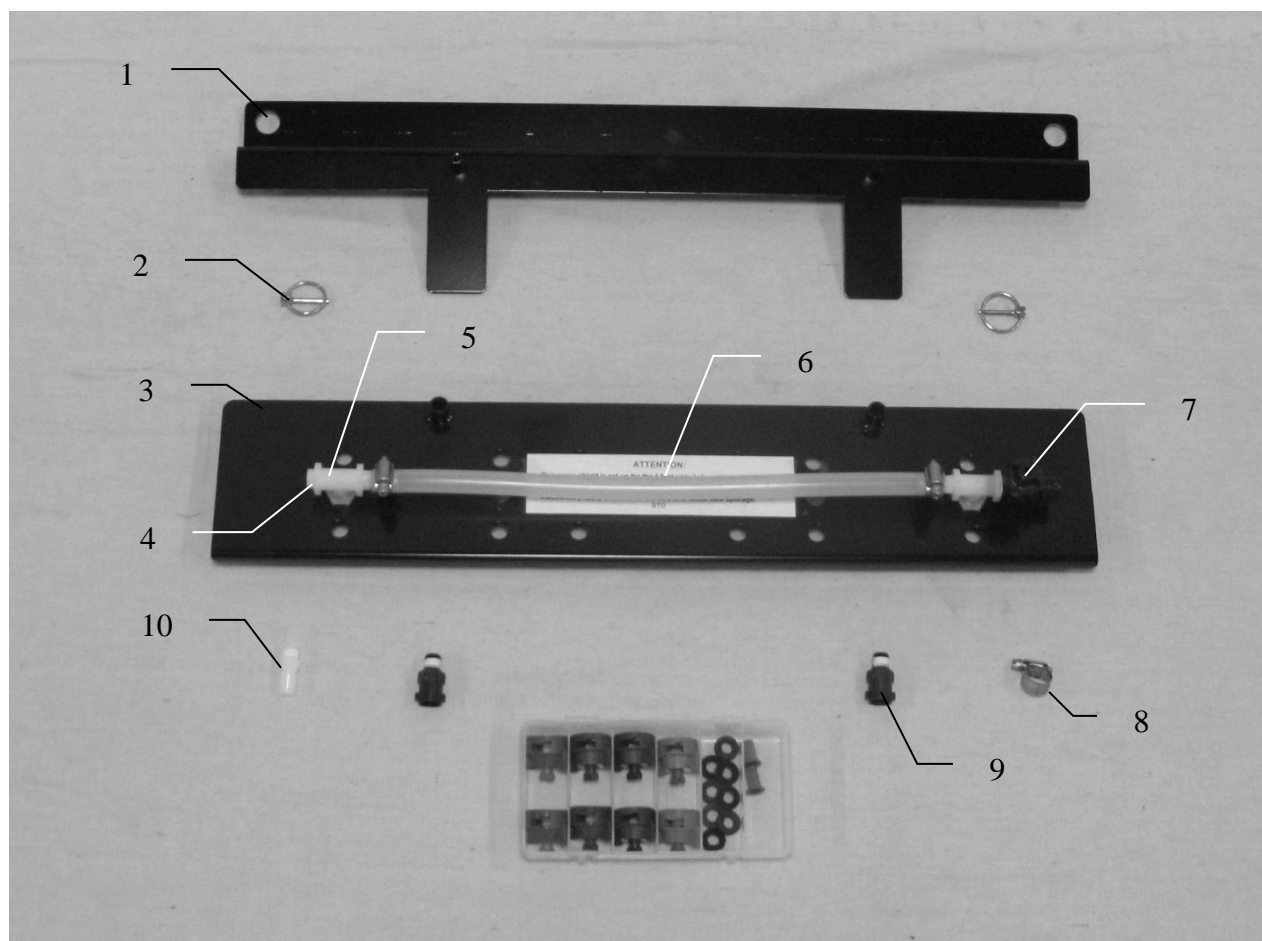
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray shield	001-4435AS	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4435J	1	Tip Kit Includes:		
3	Check valve	004-1207V	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose	002-9001	2	Tip (Orange Set)	004-TT11001VP	2
6	Straight fitting	003-A1412	2	Green cap (Green Set)	004-1207A	2
7	Plug	003-F14	1	Tip (Green Set)	004-TT110015VP	2
8	Nozzle body	004-4710	2	Blue cap (Blue Set)	004-1207C	2
9	Hose clamp	003-9003	3	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4525



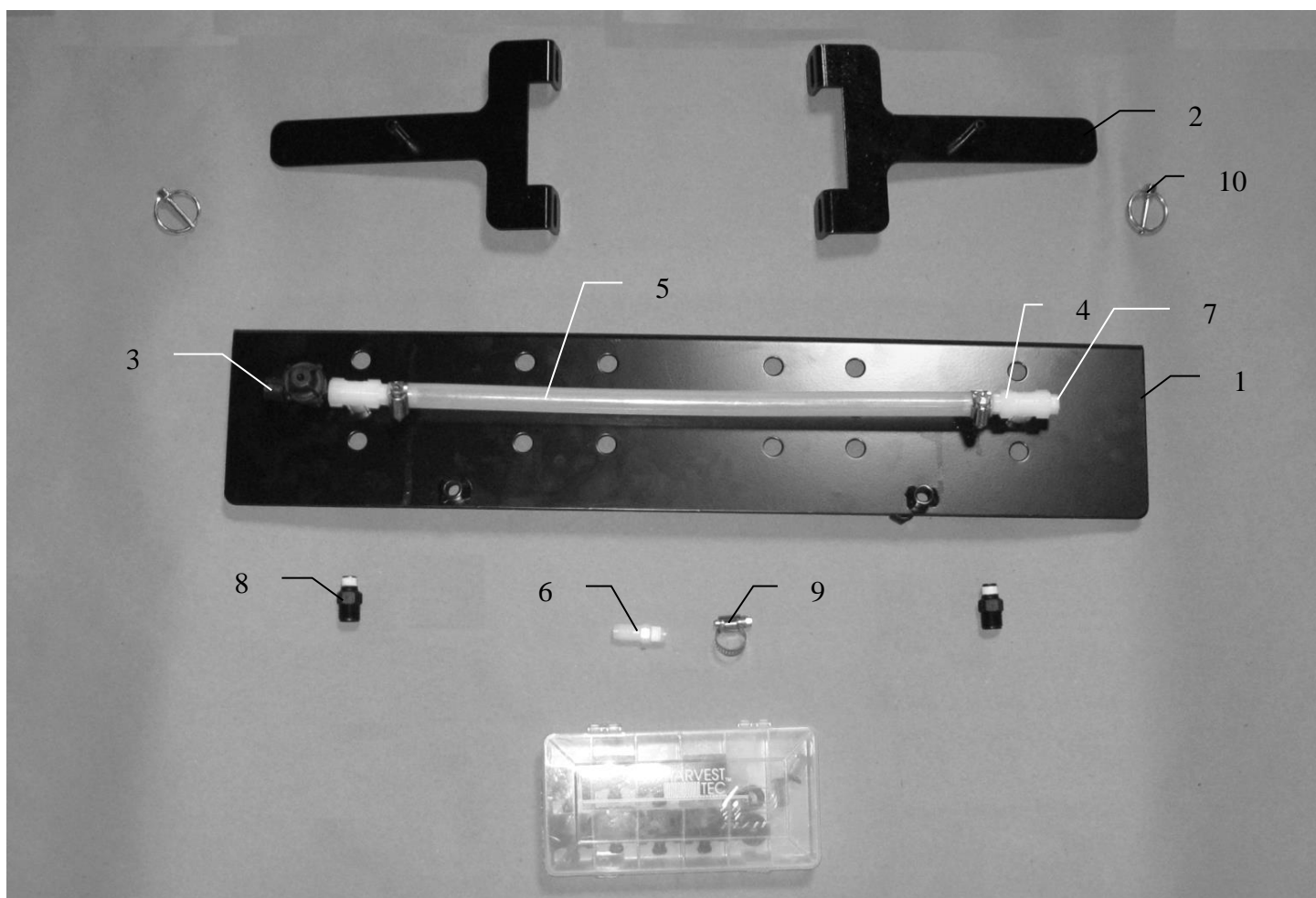
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Shield holder	001-4435EK	1	Tip Kit (Complete)	030-9007	1
2	Lynch pin	008-4576	2	Tip Kit Includes:		
3	Spray shield	001-4435ES	1	Plastic Box	008-9000	1
4	Plug	003-F14	1	Orange cap (Orange Set)	004-1207J	2
5	Tee	003-TT14	2	Tip (Orange Set)	004-TT11001VP	2
6	Hose	002-9001	2	Green cap (Green Set)	004-1207A	2
7	Check valve	004-1207V	1	Tip (Green Set)	004-TT110015VP	2
8	Hose clamp	003-9003	3	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Straight fitting	003-A1412	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4525J



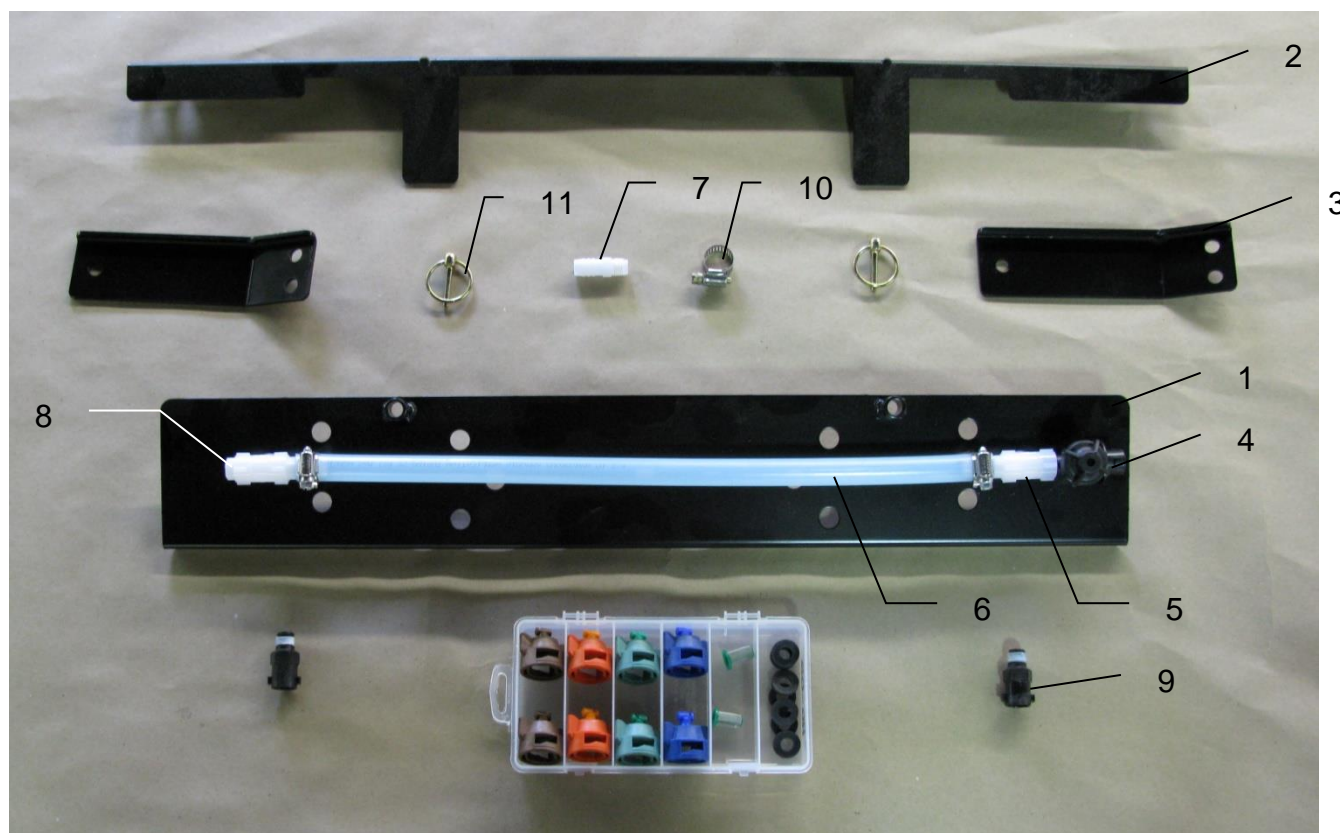
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1	Shield holder	001-4435EJ	1	Tip Kit (Complete)	030-9007	
2	Lynch pin	008-4576	2	Tip Kit Includes:		
3	Spray shield	001-4435ES	1	Plastic Box	008-9000	1
4	Hex Plug	003-F14	1	Orange cap (Orange Set)	004-1207J	2
5	Tee	003-TT14	2	Tip (Orange Set)	004-TT11001VP	2
6	Hose	002-9001	1.5ft	Green cap (Green Set)	004-1207A	2
7	Check valve	004-1207V	1	Tip (Green Set)	004-TT110015VP	2
8	Hose clamp	003-9003	3	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Straight fitting	003-A1412	3	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4527



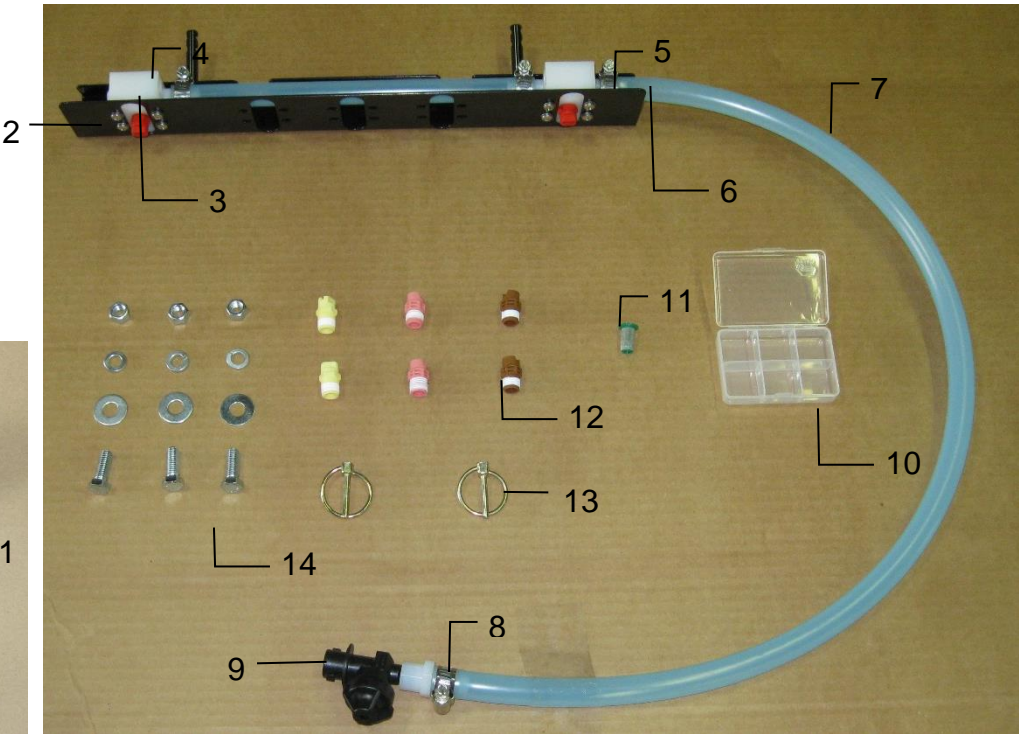
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray shield	001-4435ES	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4435HPC	2	Tip Kit Includes:		
3	Check valve	004-1207V	1	Plastic Box	008-9000	1
4	Tee	003-TT14	2	Orange cap (Orange Set)	004-1207J	2
5	Hose	002-9001	2	Tip (Orange Set)	004-TT11001VP	2
6	Straight fitting	003-A1412	2	Green cap (Green Set)	004-1207A	2
7	Plug	003-F14	1	Tip (Green Set)	004-TT110015VP	2
8	Nozzle body	004-4710	2	Blue cap (Blue Set)	004-1207C	2
9	Hose clamp	003-9003	3	Tip (Blue Set)	004-TT11003VP	2
10	Lynch pin	008-4576	2	Brown Cap (Brown Set)	004-1207K	2
				Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4530



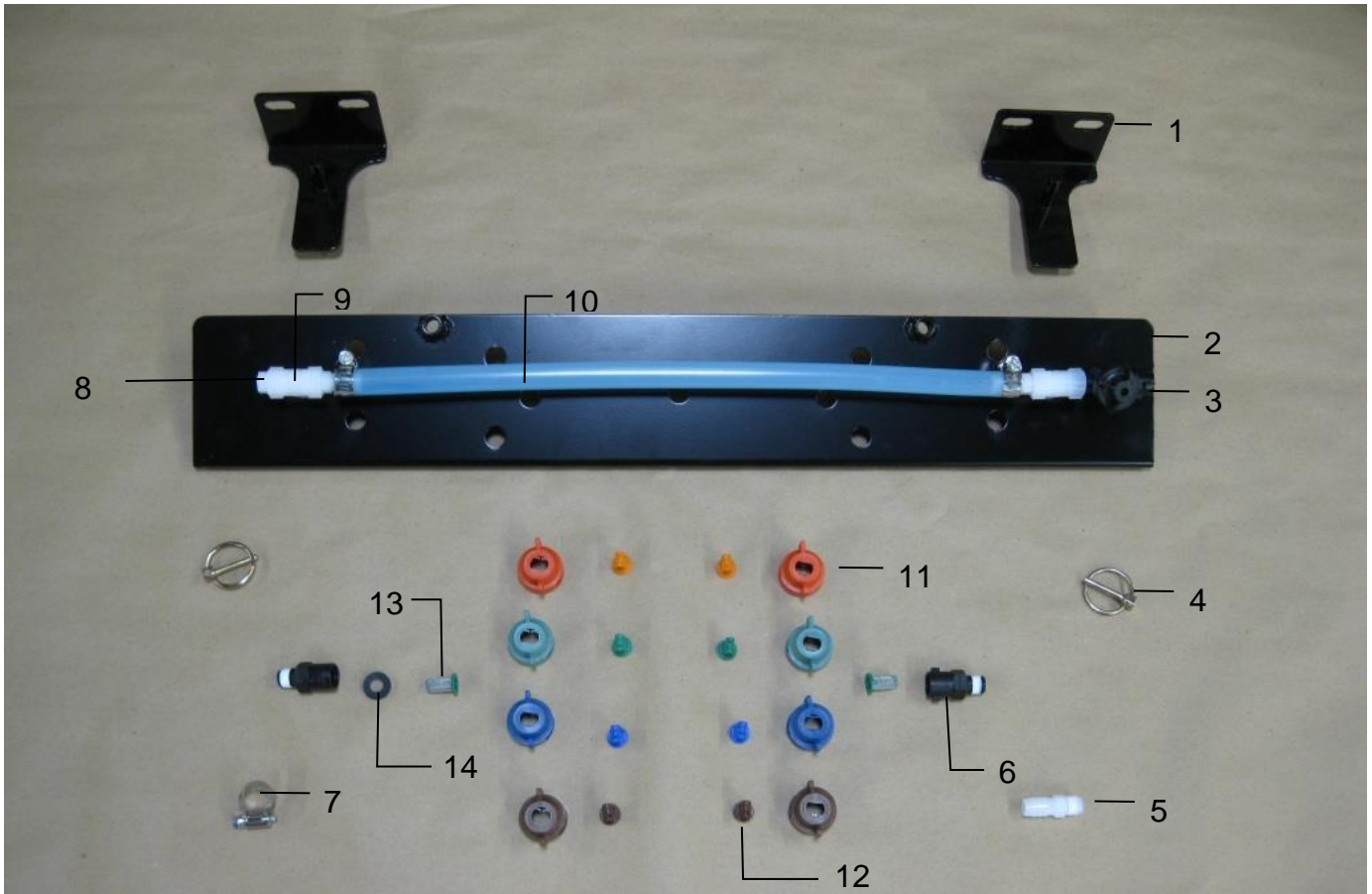
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Spray shield	001-4435AS	1	Tip Kit (Complete)	030-9007	1
2	Shield holder	001-4435XA	1	Tip Kit Includes:		
3	Mounting brackets	001-4435XB	2	Plastic Box	008-9000	1
4	Check valve	004-1207V	1	Orange cap (Orange Set)	004-1207J	2
5	Tee	003-TT14	2	Tip (Orange Set)	004-TT11001VP	2
6	Hose	002-9001	2	Green cap (Green Set)	004-1207A	2
7	Straight fitting	003-A1412	2	Tip (Green Set)	004-TT110015VP	2
8	Plug	003-F14	1	Blue cap (Blue Set)	004-1207C	2
9	Nozzle body	004-4710	2	Tip (Blue Set)	004-TT11003VP	2
10	Hose clamp	003-9003	3	Brown Cap (Brown Set)	004-1207K	2
11	Lynch pin	008-4576	2	Tip (Brown Set)	004-TT11005VP	2
				Washer	004-1207W	8
				Tip Strainer	004-1203-100	2

Harvest Tec Model 4537



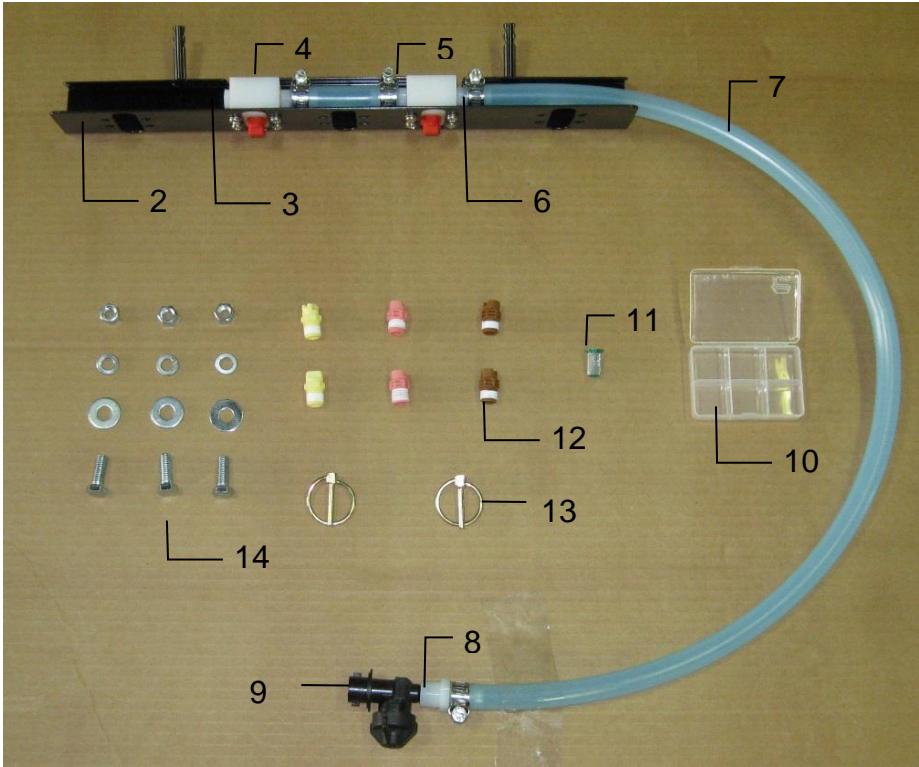
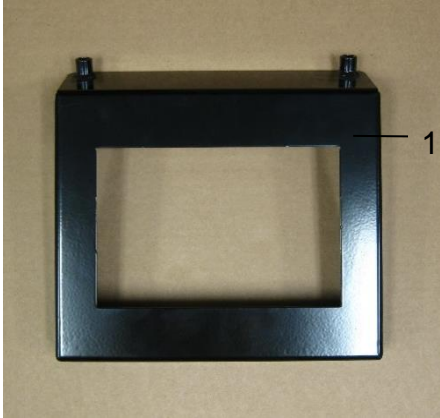
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Shield Holder	001-4435L	1	10	Plano Box	008-9001	1
2	Spray Shield	001-4435NSX	1	11	Strainer	004-1203-100	1
3	Hex Plug	003-F14	1	12	Tip (Pink)	004-T8001-PT	2
4	Manifold Block	001-4435NSB	2		Tip (Red)	004-T8003-PT	2
5	Straight Fitting	003-A1412	3		Tip (Yellow)	004-T8005-PT	2
6	Hose Clamp	003-9003	4		Tip (Brown)	004-T80015-PT	2
7	Hose	002-9001	5 ft	13	Lynch Pin	008-4576	2
8	Straight Fitting	003-A1412F	1	14	Hardware		
9	Check Valve	004-1207V	1				

Harvest Tec Model 4539



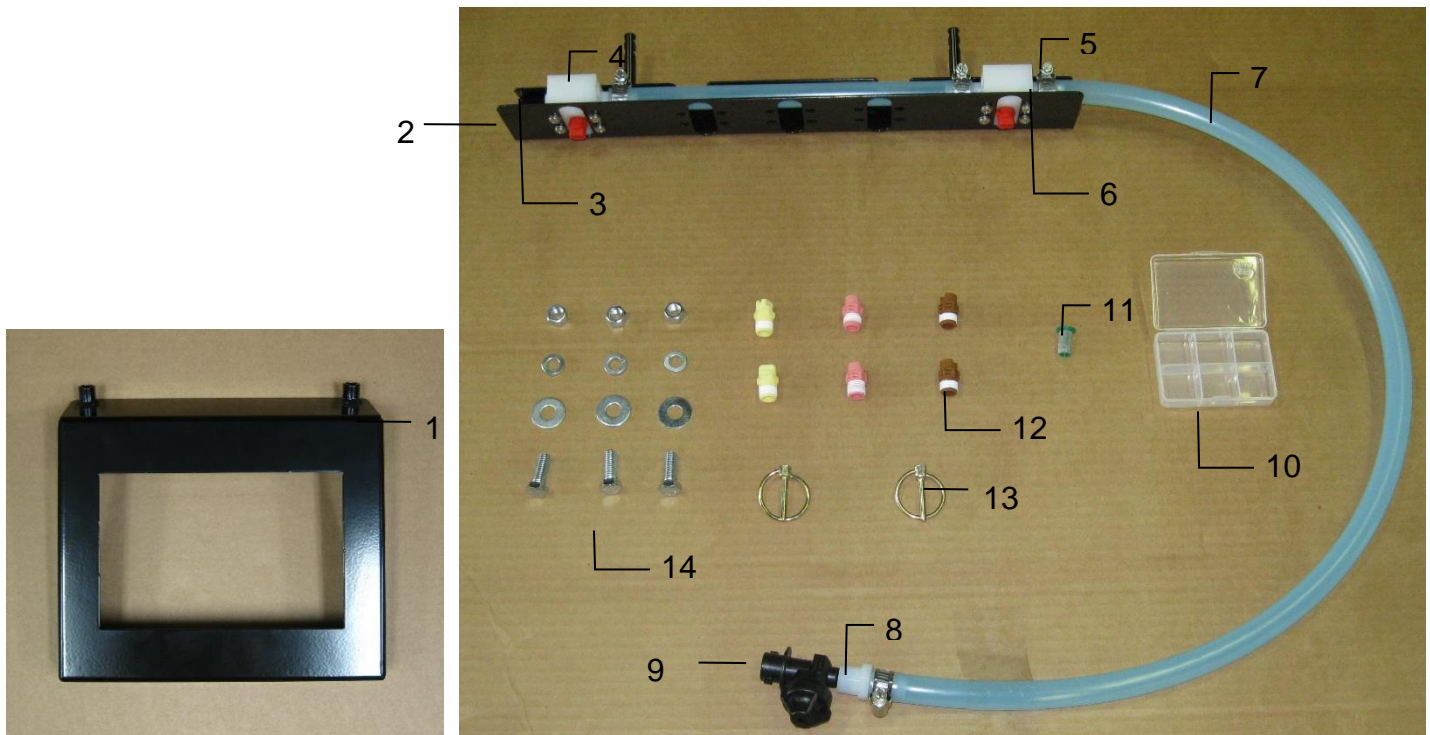
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Shield Holders	001-4435KX	2		Tip Kit (Complete)	030-9007	1
2	Spray Shield	001-4435AS	1		Tip Kit Includes:		
3	Check Valve	004-1207V	1	11	Orange cap (Orange Set)	004-1207J	2
4	Lynch Pins	008-4576	2		Green cap (Green Set)	004-1207A	2
5	Straight Fitting	003-A1412	3		Blue cap (Blue Set)	004-1207C	2
6	Nozzle Body	004-4710	2		Brown Cap (Brown Set)	004-1207K	2
7	Hose Clamp	003-9003	3	12	Tip (Orange Set)	004-TT11001VP	2
8	Hex Plug	003-F14	2		Tip (Green Set)	004-TT110015VP	2
9	Tee Fitting	003-TT14	2		Tip (Blue Set)	004-TT11003VP	2
10	1/2" Hose	002-9001	2 ft		Tip (Brown Set)	004-TT11005VP	2
				13	Tip Strainer	004-1203-100	2
				14	Washer	004-1207W	8
				NP	Plastic Box	008-9000	1

Harvest Tec Model 4540



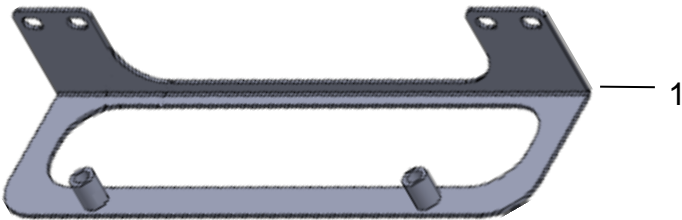
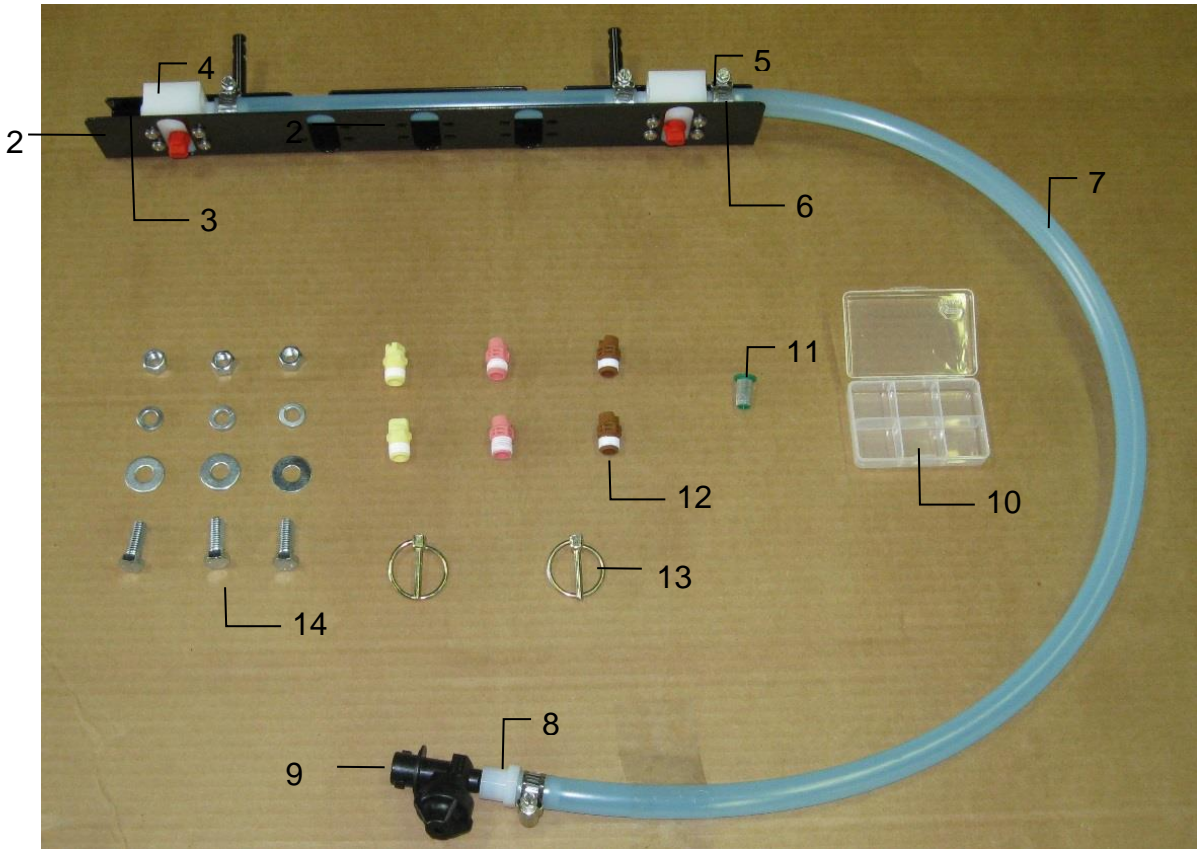
<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Shield Holder	001-4435KC	1	10	Plano Box	008-9001	1
2	Spray Shield	001-4435NSX	1	11	Strainer	004-1203-100	1
3	Hex Plug	003-F14	1	12	Tip (Pink)	004-T8001-PT	2
4	Manifold Block	001-4435NSB	2		Tip (Red)	004-T8003-PT	2
5	Straight Fitting	003-A1412	3		Tip (Yellow)	004-T8005-PT	2
6	Hose Clamp	003-9003	4		Tip (Brown)	004-T80015-PT	2
7	Hose	002-9001	4 ft	13	Lynch Pin	008-4576	2
8	Straight Fitting	003-A1412F	1	14	Hardware		
9	Check Valve	004-1207V	1				

Harvest Tec Model 4541



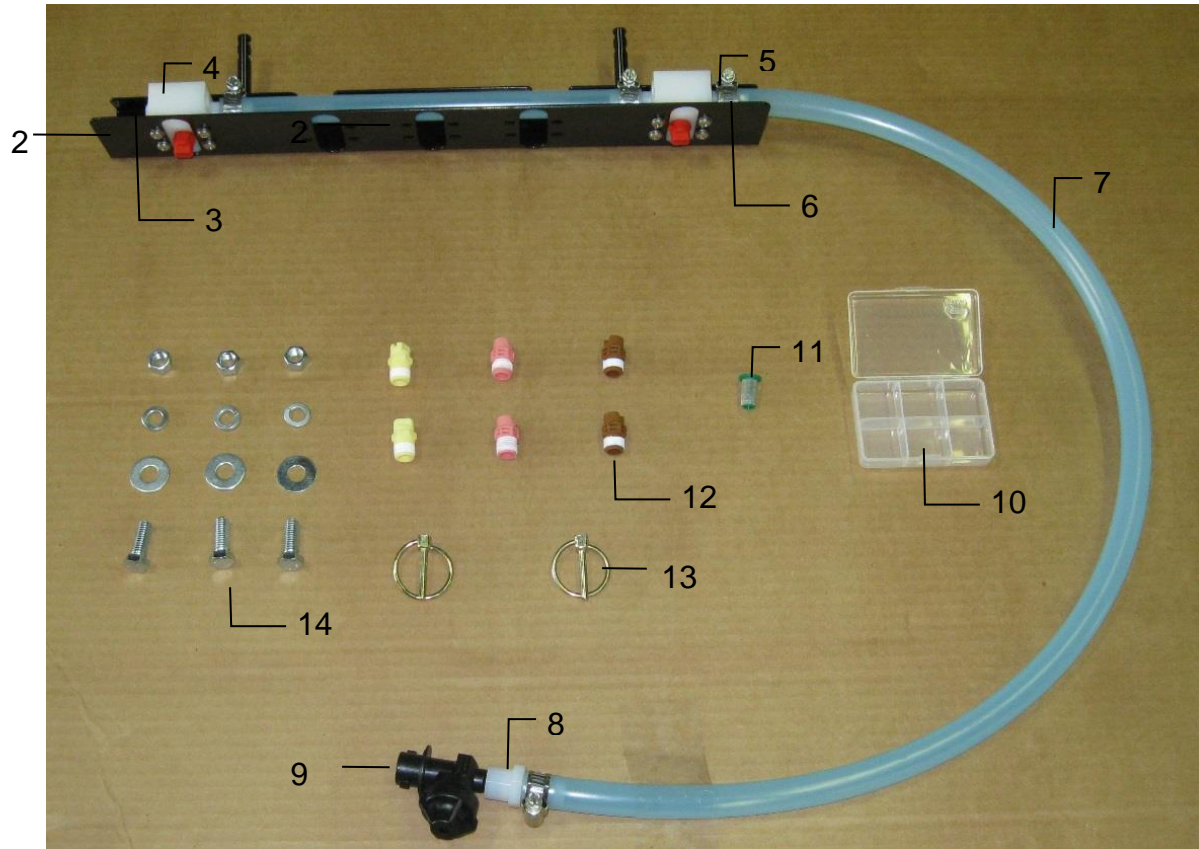
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1	Shield Holder	001-4435KC	1	10	Plano Box	008-9001	1
2	Spray Shield	001-4435NSX	1	11	Strainer	004-1203-100	1
3	Hex Plug	003-F14	1	12	Tip (Pink)	004-T8001-PT	2
4	Manifold Block	001-4435NSB	2		Tip (Red)	004-T8003-PT	2
5	Straight Fitting	003-A1412	3		Tip (Yellow)	004-T8005-PT	2
6	Hose Clamp	003-9003	4		Tip (Brown)	004-T80015-PT	2
7	Hose	002-9001	5 ft	13	Lynch Pin	008-4576	2
8	Straight Fitting	003-A1412F	1	14	Hardware		
9	Check Valve	004-1207V	1				

Harvest Tec Model 4542



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Shield Holder	001-4435NAX	1	10	Plano Box	008-9001	1
2	Spray Shield	001-4435NSB	1	11	Strainer	004-1203-100	1
3	Hex Plug	003-F14	1	12	Tip (Pink)	004-T8001-PT	2
4	Manifold Block	001-4435NSB	2		Tip (Red)	004-T8003-PT	2
5	Straight Fitting	003-A1412	3		Tip (Yellow)	004-T8005-PT	2
6	Hose Clamp	003-9003	4		Tip (Brown)	004-T80015-PT	2
7	Hose	002-9001	4 ft	13	Lynch Pin	008-4576	2
8	Straight Fitting	003-A1412F	1	14	Hardware		
9	Check Valve	004-1207V	1				

Harvest Tec Model 4544 & 4550



<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>	<u>Ref</u>	<u>Description</u>	<u>Part #</u>	<u>Qty</u>
1	Shield Holder	001-4435U	1	10	Plano Box	008-9001	1
2	Spray Shield	001-4435NSB	1	11	Strainer	004-1203-100	1
3	Hex Plug	003-F14	1	12	Tip (Pink)	004-T8001-PT	2
4	Manifold Block	001-4435NSB	2		Tip (Red)	004-T8003-PT	2
5	Straight Fitting	003-A1412	3		Tip (Yellow)	004-T8005-PT	2
6	Hose Clamp	003-9003	4		Tip (Brown)	004-T80015-PT	2
7	Hose	002-9001	4 ft	13	Lynch Pin	008-4576	2
8	Straight Fitting	003-A1412F	1	14	Hardware		
9	Check Valve	004-1207V	1				

Notes

Harvest Tec LLC. Warranty and Liability Agreement

Harvest Tec, LLC. will repair or replace components that are found to be defective within 12 months from the date of manufacture. Under no circumstances does this warranty cover any components which in the opinion of Harvest Tec, LLC. have been subjected to negligent use, misuse, alteration, accident, or if repairs have been made with parts other than those manufactured and obtainable from Harvest Tec, LLC.

Our obligation under this warranty is limited to repairing or replacing free of charge to the original purchaser any part that in our judgment shows evidence of defective or improper workmanship, provided the part is returned to Harvest Tec, LLC. within 30 days of the failure. If it is determined that a non-Harvest Tec branded hay preservative has been used inside the Harvest Tec applicator system where the failure occurred, then Harvest Tec reserves the right to deny the warranty request at their discretion. Parts must be returned through the selling dealer and distributor, transportation charges prepaid.

This warranty shall not be interpreted to render Harvest Tec, LLC. liable for injury or damages of any kind, direct, consequential, or contingent, to persons or property. Furthermore, this warranty does not extend to loss of crop, losses caused by delays or any expense prospective profits or for any other reason. Harvest Tec, LLC. shall not be liable for any recovery greater in amount than the cost or repair of defects in workmanship.

There are no warranties, either expressed or implied, of merchantability or fitness for particular purpose intended or fitness for any other reason.

This warranty cannot guarantee that existing conditions beyond the control of Harvest Tec, LLC. will not affect our ability to obtain materials or manufacture necessary replacement parts.

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

Revised 6/22

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