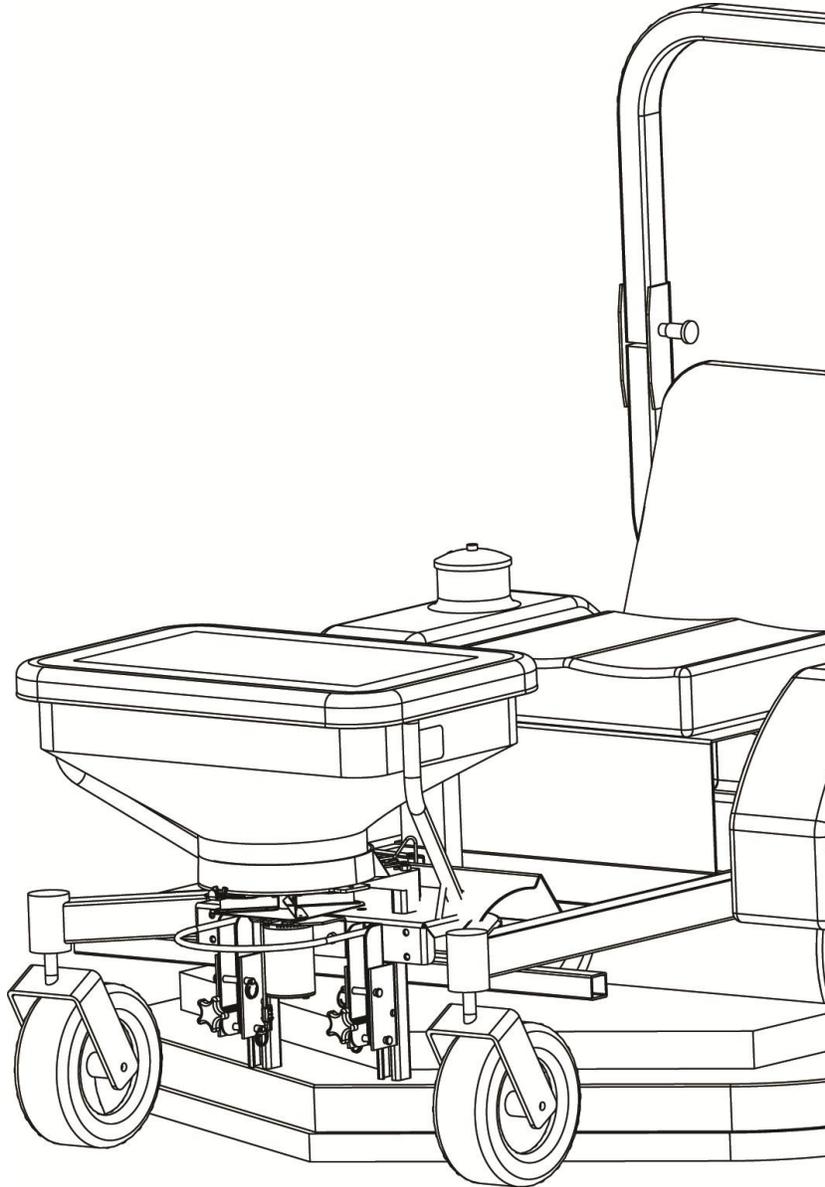


# Operator's Manual

7538-2.JRC | Rev.A



## CAUTION

READ AND UNDERSTAND THE OWNER'S MANUAL COMPLETELY BEFORE USING THIS ATTACHMENT. IF INSTRUCTIONS ARE NOT FOLLOWED, SERIOUS INJURIES COULD OCCUR.



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## 1 Introduction

*JRCO takes pride in its attachments and have designed and engineered quality, commercial built attachments designed to help you efficiently and effectively be more productive at tasks.*

### 1.1 Application

The JRCO Electric Broadcast Spreader attaches to your mower or utility vehicle. Increase productivity with an accurate spread pattern at higher ground speeds. The heavy-duty broadcaster is ideal for spreading all types of granular and pelletized fertilizer, seed, and ice-melting pellets.

The JRCO Broadcast Spreader is made of corrosion-resistant materials, stainless steel and engineered plastics. The polyethylene hopper has a 2.2 cubic foot or 120-pound capacity. An electronic speed control accurately maintains spread pattern widths from 5-24 feet. A sealed, quick-disconnect wiring harness is included for hook-up to the mowers battery.

JRCO offers three broadcast spreader models. Model 505 has a foot-operated gate for mid-mount zero-turn mowers. Model 506 has a push-pull cable gate for walk-behind, out-front, and stand-up mowers. The 505 and 506 broadcasters attach to the JRCO mount bar with four clevis pins. Model 506U for utility vehicles has a longer push-pull cable and attaches to the JRCO 1-1/4" or 2" hitch receiver mount on the front or back, a 2" hitch adapter is also available.

### 1.2 Navigating This Manual

1. Use this manual to help familiarize yourself with safety, assembly, operation, adjustments, troubleshooting, maintenance, specifications and warranty information. It is very important that you read this manual and follow the instructions to ensure safe operation of the attachment.
2. Please visit [www.jrcoinc.com](http://www.jrcoinc.com) for updated information.

### 1.3 Operation References/Terminology

References throughout this manual referred to as "Right" or "Left" are determined by being seated face-forward on Mower/UTV and facing the direction the unit will operate while in use.

## 1.4 Owner Assistance

Please complete the Warranty/Product Registration at the time of purchase. Fill out and mail warranty card or you may visit our website [www.jrcoinc.com](http://www.jrcoinc.com) and complete our online registration.

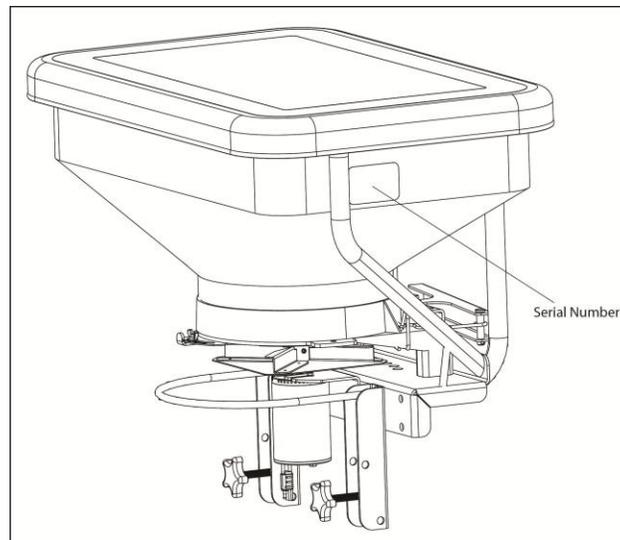
The parts and components used on your JRCO Attachment have been specifically engineered for JRCO Attachments and should only be replaced with JRCO parts. Contact your local JRCO Dealer for replacement parts or contact our customer service department for assistance with parts, locating your local servicing dealer and more. Your local dealer is equipped and trained to handle service and repair for your attachment.

## 1.5 Model Identification

Please fill in your model and serial number below for future reference. This will help assist in prompt service when ordering parts and service for your local JRCO Dealer.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

Refer to the image below for location of your serial number plate:



## 1.6 Further Assistance

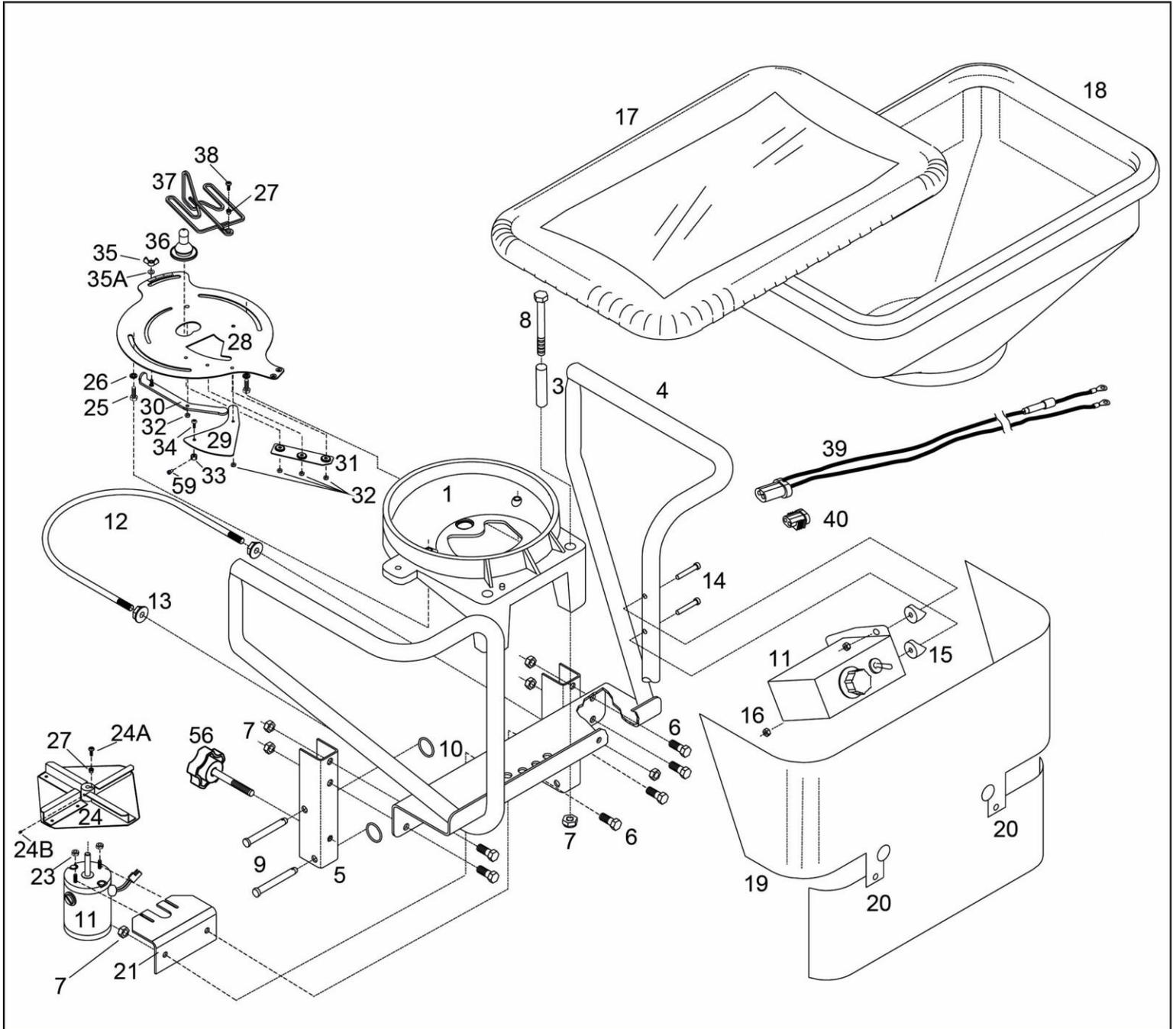
Your dealer and all of us at JRCO want you to be pleased with your attachment. Should you require further assistance or have questions regarding your attachment, please contact your local dealer where you purchased your attachment. If you are unable to satisfy your needs by your local dealer, please contact us at:

JRCO  
20195 South Diamond Lake Road, STE 100  
Rogers, MN 55374  
800-966-8442

[info@jrcoinc.com](mailto:info@jrcoinc.com)  
[www.jrcoinc.com](http://www.jrcoinc.com)

## 2 Assembly and Set-up

### 2.1 Spreader Parts

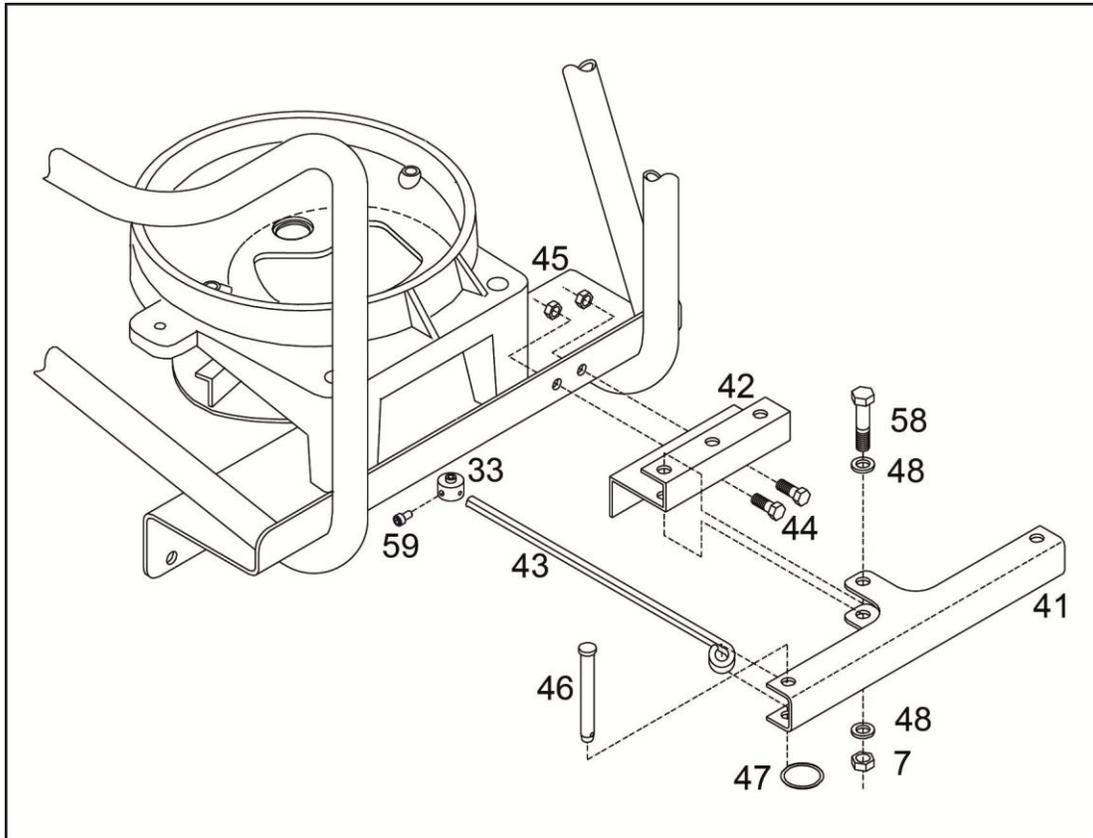


Ref	Part No.	Description	Qty
1	8151.JRC	Hopper base	1
3	8162.JRC	Spacer ½" OD SS	2
4	7473.JRC	Hopper support	1
5	7365-1.JRC	Vertical channel	2
6	7937.JRC	HH capscrew 3/8-16 x ¾ SS	6
7	7936.JRC	Nylon locknut 3/8-16 SS	9
8	7495.JRC	HH capscrew 3/8-16 x 3 ¼ SS	2
9	4684.JRC	Clevis pin 3/8 x 2 ¾	4
10	4110.JRC	Circle cotter 1 1/8	4
11 *	7964.JRC	Brushless motor with Electronic speed control	1
12	8166.JRC	Bumper U-bolt	1
13	8167.JRC	Serrated flange nut 3/8-16	2
14	7930.JRC	HH capscrew ¼-20 x 1 ½ SS	2
15	7482.JRC	Spacer, black, concave	2
16	7932.JRC	Serrated flange nut ¼-20 SS	2
17	7442-1.JRC	Moisture cover	1
18	7375.JRC	Hopper	1
19	7507.JRC	Dust shield	1
20	7176.JRC	Plastic rivet	4
21	8158.JRC	Motor mount	1
23	7515.JRC	Serrated flange nut 10-32 SS	2
24	8170.JRC	Fan assembly SS	1
	8163.JRC	Fan blade disc	1
	8164.JRC	Fan hub	1

Ref	Part No.	Description	Qty
	7496.JRC	Snap ring 7/8 external SS	1
24B	7514.JRC	Set screw ¼-20 x 5/16 SS	2
24A	7428.JRC	PPMS 10-24 x ½ SS	1
25	7529.JRC	HH capscrew 1/4 -20 x ½ SS	2
26	7530.JRC	Flatwasher, ¼ SS	2
27	8182.JRC	Bearing, plastic 187 ID .25 long	2
28	8152.JRC	Gauge plate SS	1
29	8154.JRC	Gate	1
30	8153.JRC	Gauge	1
31	8156.JRC	Gate rail	1
32	7487.JRC	Nylon locknut 8-32 low profile SS	5
33	8161.JRC	Cable stop, Cable control	1
	8161-1.JRC	Gate rod stop, Foot control	1
34	8184.JRC	PPMS 6-32 x 3/16 SS	1
35A	8147.JRC	¼ external star washer SS	1
35	7491.JRC	Wingnut ¼-20 SS	1
36	7522-1.JRC	Nipple, silicone	1
37	8157.JRC	Agitator	1
38	7518.JRC	PPMS 10-24 x 3/8 SS	1
39	7430-4.JRC	Battery harness 6 foot (AGC 20 fuse)	1
40	7430-5.JRC	Battery harness rain cap	1
56	8260.JRC	Knob, Wedge bolt	2
59	7486.JRC	SCHS, 10-32 x 3/8 SS	1

\* Motor and controller are hardwired together and not sold separately.

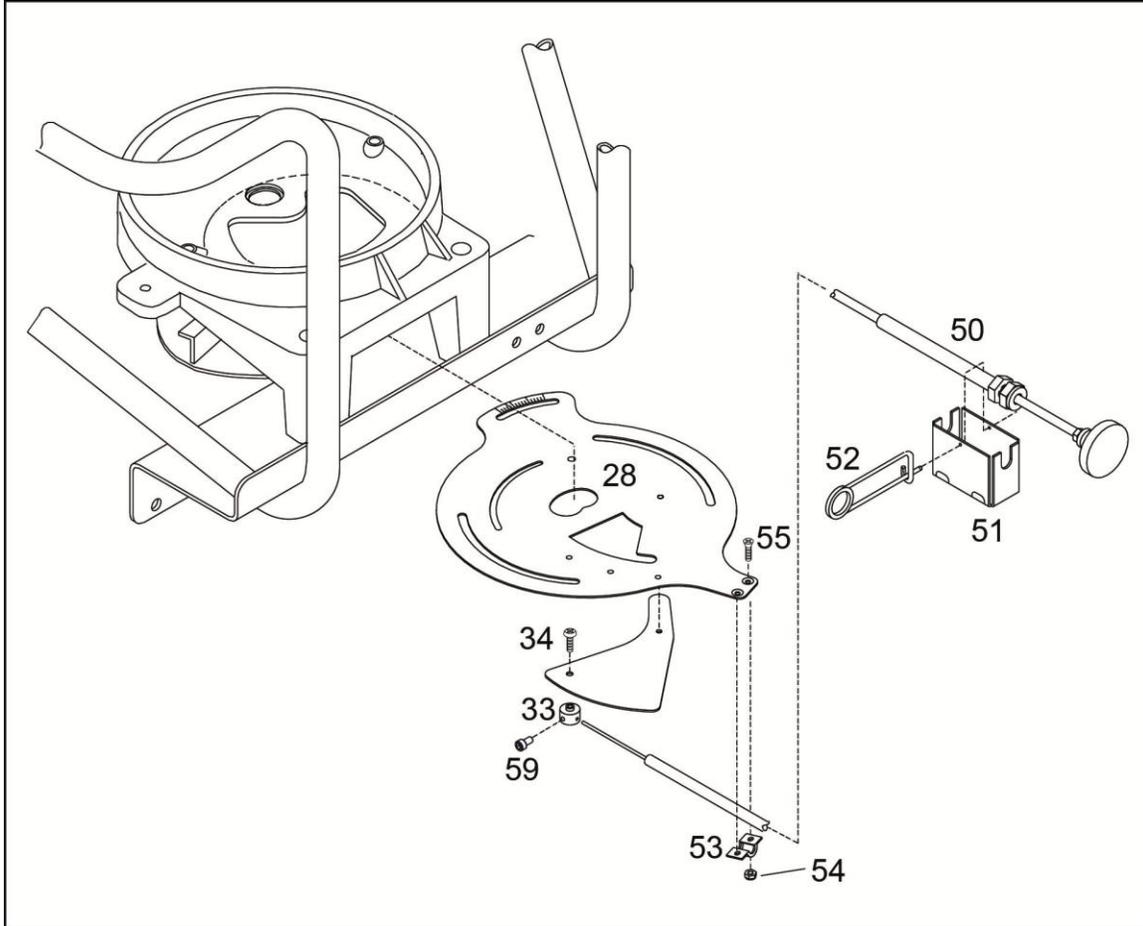
**2.2 Foot Control Parts**



Ref	Part No.	Description	Qty
33	8161-1.JRC	Gate rod stop, Foot control	1
41	7592.JRC	Footpedal channel	1
42	7591.JRC	Footpedal mount bracket	1
43	8155.JRC	Gate rod	1
44	7934.JRC	HH capscrew 5/16-18 x 3/4 SS	2
45	7935.JRC	Serrated flange nut 5/16-18 SS	2

Ref	Part No.	Description	Qty
46	7940.JRC	Clevis pin 3/8 x 1 3/4 SS	1
47	8168.JRC	Circle cotter 1" SS	1
48	7939.JRC	Flatwasher 3/8 SS	2
58	7938.JRC	HH Capscrew 3/8-16 x 2 1/4 SS	1
59	7486.JRC	SHSS 10-32 x 3/8 SS	1

**2.3 Cable Control Parts**



Ref	Part No.	Description	Qty
33	8161.JRC	Cable stop, Cable control	1
50	7435-1.JRC	506 Push/pull cable -6 ft.	1
	7435-2.JRC	506U Push/pull cable -10 ft.	1
51	7417-1.JRC	Mount, push/pull cable HD	1
52	4009.JRC	Safety clip	1

Ref	Part No.	Description	Qty
53	8159.JRC	Cable clamp SS	1
54	7488.JRC	Nylon locknut 8-32	2
55	7890.JRC	FHPMS 8-32 x ½ SS	2
59	7486.JRC	SHCS 10-32 x 3/8SS	1

## 2.4 Tools Required

- Socket Wrench: 9/16"
- Open or Box End Wrench: 9/16"
- Phillips Screwdriver
- Allen Wrench: 3/32
- Wrench: 11/32"
- Wrench: 3/4"

## 2.5 Power Unit Requirements

The Electric Broadcast Spreader is designed to be mounted to a JRCO Mount Bar for mounting on walk-behind mowers, stand-up mowers, zero turn mowers, and lawn tractors.

506U may be mounted to receiver hitch on UTV's and stand-up aerators.

## 2.6 Unpacking Your Attachment

	<b>CAUTION</b>	
	<b>SHARP EDGES. PLEASE USE CAUTION AND WEAR PROTECTIVE GLOVES WHEN USING THIS ATTACHMENT.</b>	

Your Electric Broadcast Spreader will ship in 1 box, mount bar or hitch adapter if required, will be shipped in a second box. Carefully set the box(es) on a flat working area. Carefully unbox the attachment and verify that all fasteners and components are included.

## 2.7 Torque Requirements

Please reference the Torque Chart below for correct values when assembling your attachment.

3/8" Hex head bolts and nuts	30 ft - lb
1/4" Hex head bolts and nuts	6-8 ft - lb

## 2.8 General Assembly

This attachment is shipped mostly assembled. If purchased from a JRCO Dealer, the dealership may assist in assembly and mounting of attachment. Review all safety and assembly instructions in this manual before assembly.

## 2.9 Vertical Channels to Hopper Support Assembly

Refer to Figure 1-1

(Models 506U skip to page 14)

1. Use two or four 3/8 x 3/4 HH capscrews and nylon locknuts to install the two vertical channels to the hopper support. The legs of the vertical channels are facing out.
2. There are two sets of holes on the hopper support. The inner set of holes is used for mount bars with 10" vertical channel spacing (all current mount bars) and the outer set of holes is used for bars with 15" vertical channel spacing (some older mount bars).
3. When using the 10" spacing, the bumper u-bolt will have to be temporarily removed and reinstalled through the upper hole of the vertical channels.

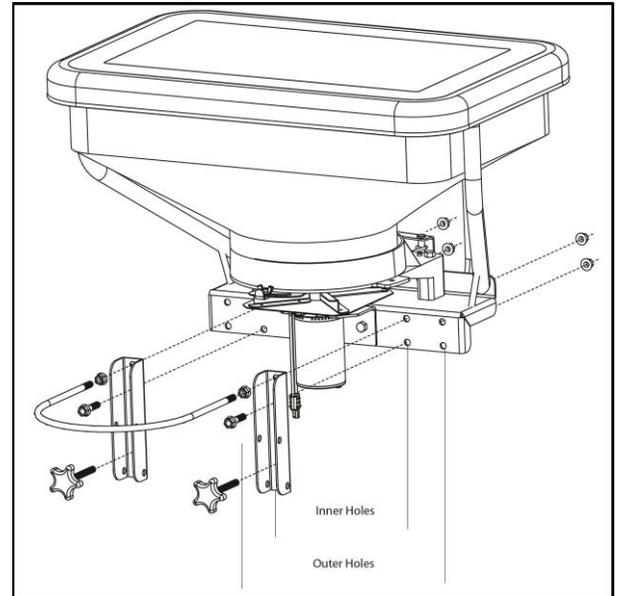


Figure 1-1

<u>Mount bar length:</u> <u>spacing:</u>	<u>Vertical Chanel</u>
39", 44" & 54"	10in
Older models	15in

## 2.10 Broadcaster Installation

Refer to Figure 1-2

1. Install mount bar on mower. See instructions included with JRco Mount Bar.
2. Align vertical channels on spreader with u-brackets on mount bar and secure with four clevis pins and circle cotters.
3. Install wedge bolt into each vertical channel. Tighten enough to remove any wobble.

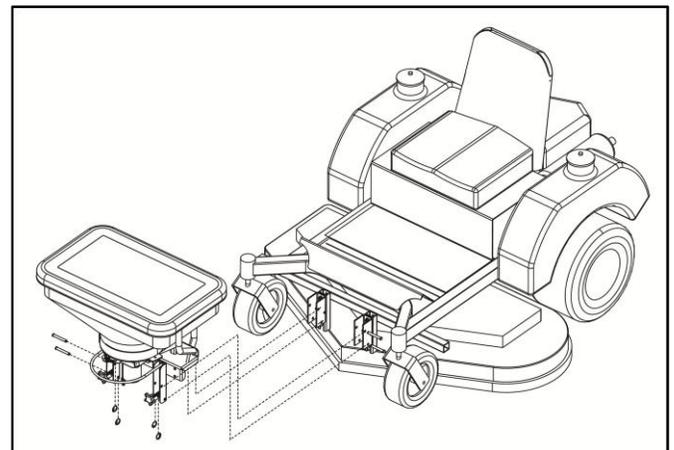


Figure 1-2

**NOTE:** Set spreader height by adjusting u-brackets to allow clearance for mower deck, caster wheels and foot or cable control.

**NOTE:** Some mower and mount combinations may require the mount bar be flipped to have the vertical channels up for clearance.

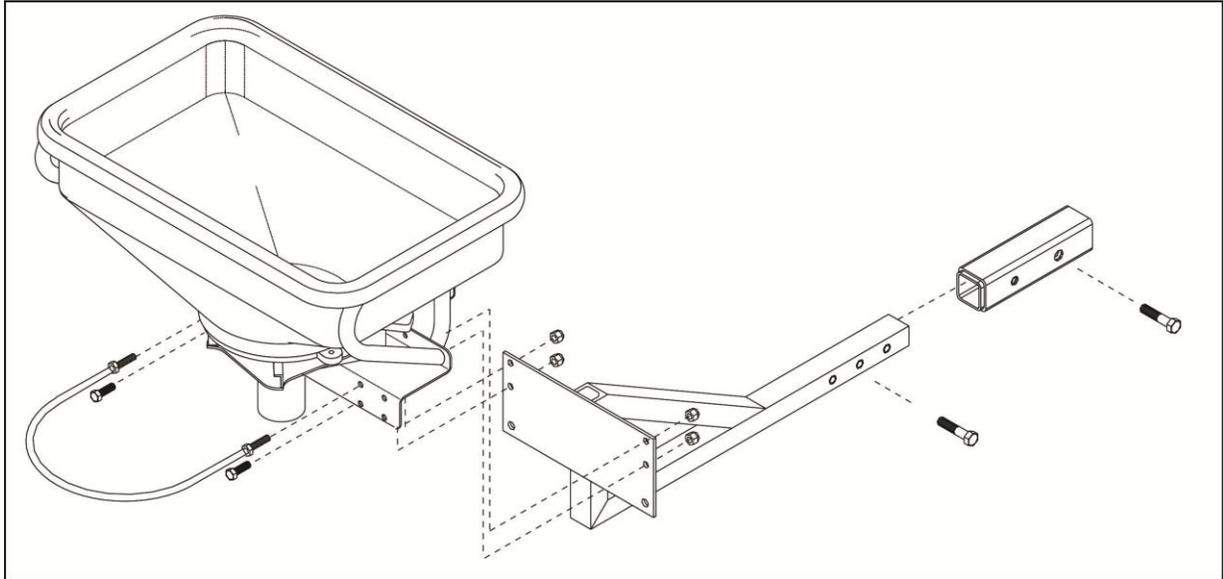


Figure 1-3

## 2.11 Vehicle Hitch Mount

Refer to figure 1-3 and 1-4

1. Attach the Hitch Extension to the Broadcaster using the bumper u-bolt, two 3/8-16 x 3/4 hex head bolts and four 3/8 nylon locknuts as shown.
2. Attach the Receiver Hitch or Hitch Adapter as necessary.
3. Secure hitch extension to receiver hitch with a 1/2-13 x 1 1/4 " hex head bolt. Tighten to eliminate wobble.

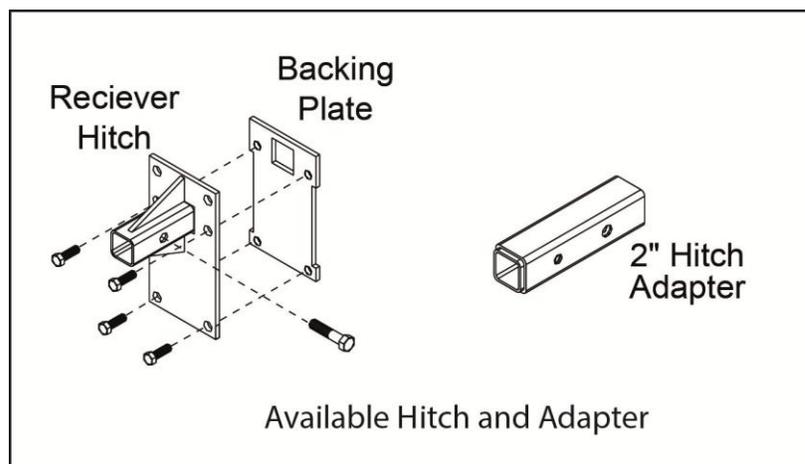


Figure 1-4

## 2.12 Push/Pull Cable Installation

Refer to Figure 1-5, 1-6, 1-7, and 1-8

NOTE: If you have a model 505, foot controlled spreader, the foot control is factory installed, skip to step 2.13 on page 17. The model 506 & 506U spreaders require mounting the cable and cable mount to the mower as outlined below.

1. The cable mount can be installed two ways:
  - a) Install cable mount to an existing bolt in frame/handle near the operator or drill and bolt to the frame/handle. Figure 1-5.
  - b) Install cable mount with hose clamps to tubular frame or handle near the operator. Figure 1-6.
2. Slide knob end of push/pull cable into the u-slot of cable mount between nuts. Figure 1-7.
3. Secure with safety clip. Figure 1-7.
4. Route push/pull cable along mower frame to gate control mechanism.

NOTE: Position push/pull cable so that it does not interfere with any mower mechanisms or operation and there are no sharp bends in cable.

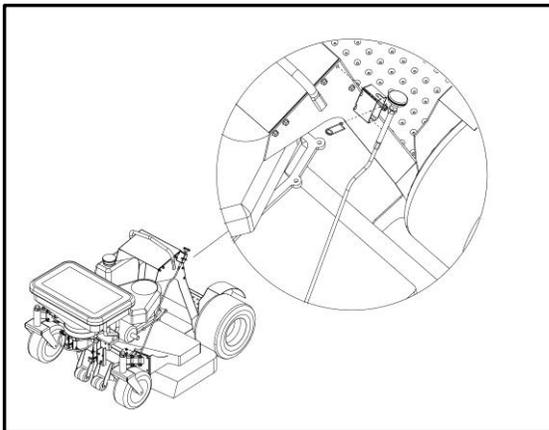


Figure 1-5

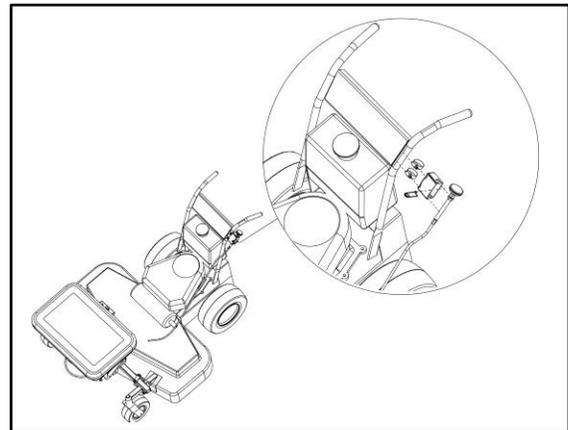


Figure 1-6

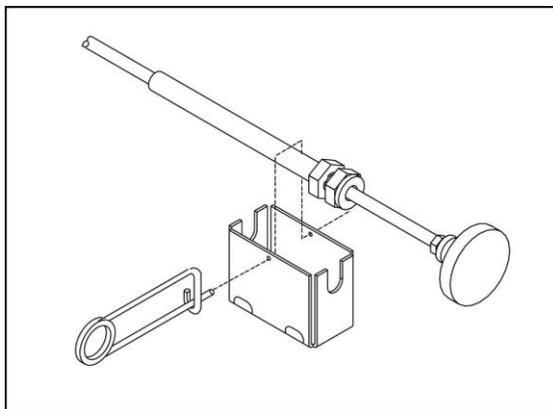


Figure 1-7

5. Determine length of push/pull cable. Mark the cable jacket at the point where it meets the end of the gauge plate.
6. Pull cable knob out 6 inches. Cut cable jacket and inner wire cable 1 inch BEYOND mark on jacket. After cutting, push in the knob. Let the inner wire extend 6 inches beyond the jacket see Figure 1-8.
7. Insert cable through cable clamp and cable stop. Ensure gate is fully closed and cable knob is pushed all the way in. Tighten cable clamp and set screw in cable stop.

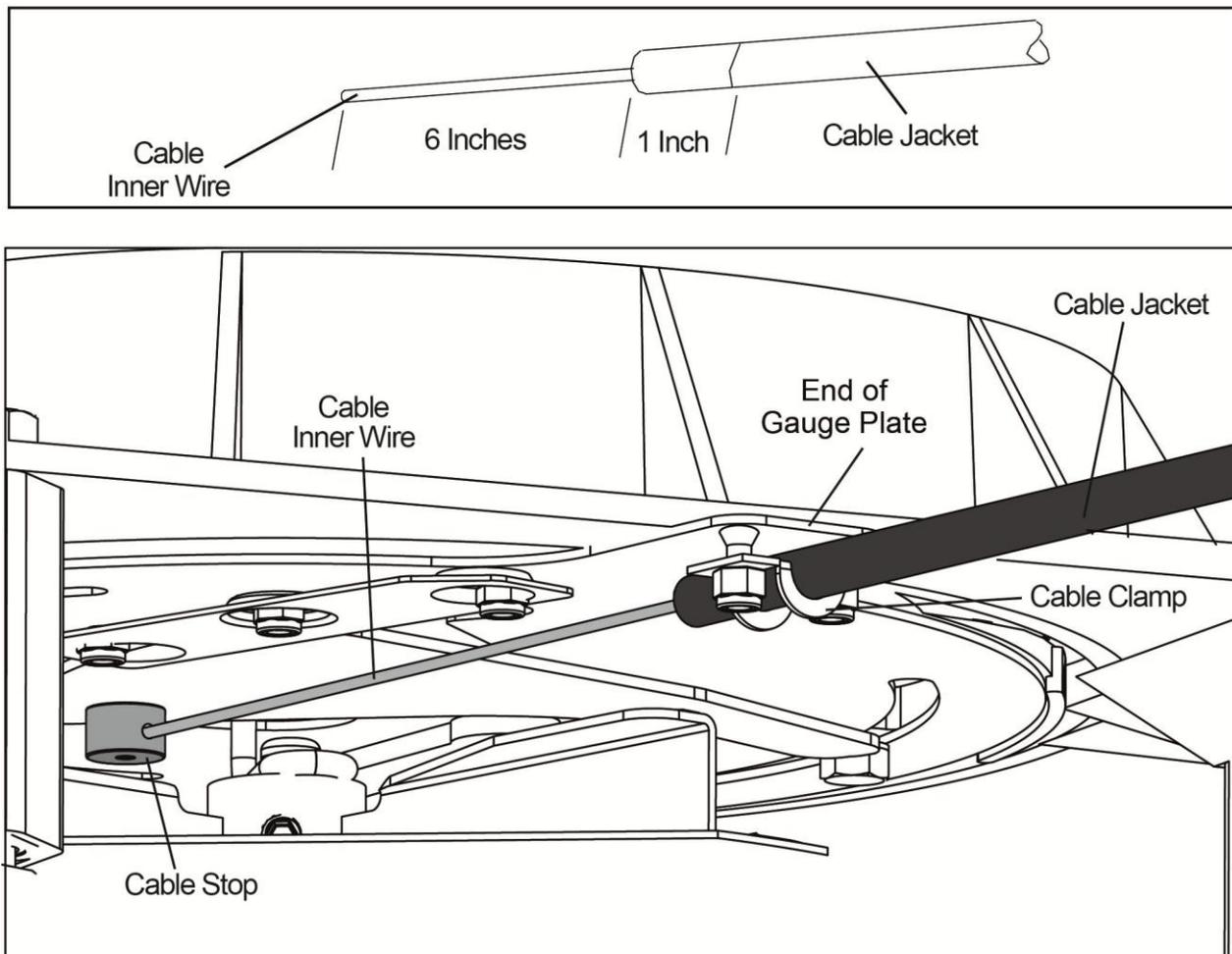


Figure 1-8

### 2.13 Wiring Diagram

CAUTION: Use only the supplied wire connectors and wiring diagram shown below. Failure to do so, may void warranty.

- Connect directly to the 12v battery, not an auxiliary circuit.
- Do not reverse polarity.
- Do not connect to the electric circuit of a non-electric start mower.

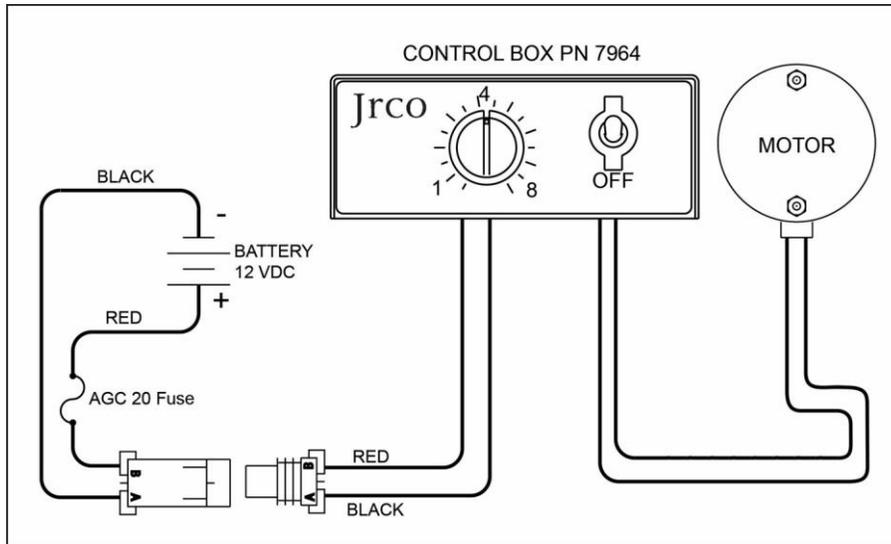


Figure 1-9

### 2.14 Wire Broadcaster to Battery:

Refer to Figure 1-10, page 18

**IMPORTANT:** Walk-behind mowers without a battery must be wired to an auxiliary battery. DO NOT wire Broadcaster to electric system of a non-electric start mower! Use the following steps for mowers with electric start and equipped with a battery.

1. Connect 6 ft. battery harness directly to the battery. The red wire to the positive (+) and the black wire to the negative (-) battery terminal.
2. Route wire from battery along mower frame, keeping it away from moving parts that may damage cable. Secure with cable ties provided.

	<p><b>CAUTION</b></p>	
<p>Improper wiring can cause damage to equipment. DO NOT attach battery harness to another circuit or auxiliary switch position. DO NOT use mount bar as ground.</p>		

3. Ensure speed control switch is in OFF position. Plug battery harness into the speed control.

	<b>CAUTION</b>	
	<p>Be sure there are no body parts, clothing, or obstructions near fan before testing motor. Failure to check can cause personal injury or equipment damage.</p>	

4. Set speed control to number 8 and switch motor on. The motor should run at full speed. Fan speed will slow as speed control is set to lower number.

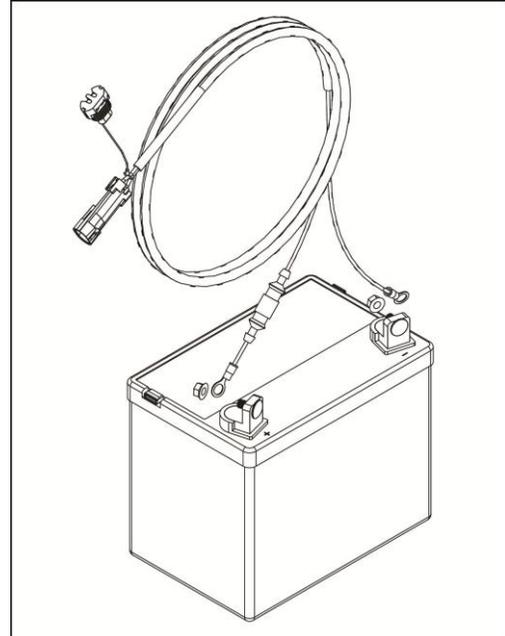


Figure 1-10

## 3 Operation Instructions

### 3.1 Before Operation

Safety, hazard and accident prevention is essential. You must use awareness, concern, and proper training when operating and utilizing this attachment. You must NOT use this attachment without reading and understanding the Operator's Manual. Make sure the operator has completed and understands the contents of this manual before operation. Avoid hills, children, and obstacles.

**3.2 Operator Safety**

	<b>CAUTION</b>	
	<ul style="list-style-type: none"> <li>• Know the spreader's controls and how to stop quickly. <b>READ THE OWNER'S MANUAL.</b></li> <li>• Shut off mower's engine before attaching, adjusting, or disconnecting the Electric Broadcaster Spreader.</li> <li>• <b>DO NOT</b> allow spreader to strike hard surfaces: curb, fences, ect.</li> <li>• <b>DO NOT</b> stand or ride on spreader.</li> <li>• Keep all bolts and nuts tightened.</li> <li>• <b>DO NOT</b> allow others, including children and pets in the area while operating the Electric Broadcast Spreader</li> </ul>	

- Spreader Spinning Blade Hazard
  - Keep hands, feet and clothing Away from spinning blades.
  - Stay clear of all moving parts, keep others away
  - Stop the machine, shut off engine and disconnect
  - All power before adjusting, or servicing.



**3.3 Determining Mower Speed**

1. Set two markers 88 feet apart. Drive mower at a steady speed between markers and record time.
2. Use this information and the speed chosen from the setting charts to ensure consistency in spreading.

Distance	Time	Speed
88 ft.	30 seconds	2 mph
88 ft.	20 seconds	3 mph
88 ft.	15 seconds	4 mph
88 ft.	10 seconds	6 mph
88 ft.	7.5 seconds	8 mph

### 3.4 General Operation

Now you should have read your Operator's Manual and properly attached your Electric Broadcast Spreader

Using the Electric Broadcast Spreader is simple, but there are things you need to consider before use. If you are using the attachment in an area that has large stumps, rocks, debris, exposed electrical or gas lines or foreign material that could cause damage to the attachment should be marked. You will want to avoid any sizable objects to avoid damage or injury.

**DO NOT work over any area that has exposed electrical wiring or gas lines. Making contact with electrical wiring or gas lines/pipes can cause serious injury or death.**

Now that you know where you are going to use your Electric Broadcast Spreader and have taken the necessary precautions surveying the area, you are ready to begin use. Begin by ensuring your attachment is in field ready position.

After completion of task, the Electric Broadcast Spreader should be, cleaned and serviced before storage.

	<b>CAUTION</b>	
	<ul style="list-style-type: none"> <li>• DO NOT use pressurized water to clean the Broadcaster.</li> <li>• DO NOT apply oil to any part of Broadcaster.</li> <li>• Clean only by wiping or with compressed air.</li> </ul>	

### 3.5 Setting Electronic Speed Control

1. Adjust speed control to set the spread width. The highest fan speed will spread the widest.
2. After adjusting the speed control to the desired width for the material you are using, leave the dial on this setting and use the power switch to turn fan on and off

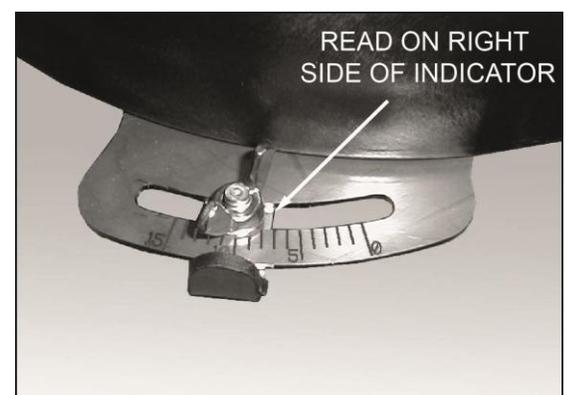


Figure 1-11

### 3.6 Setting Opening Gauge Control

1. Refer to settings chart on pages 25 and 26 for proper settings.
2. Loosen wing nut and move gauge to desired setting. See figure 1-11.
3. Tighten wing nut.

### 3.7 Adjusting Gauge Plate Position to Center Spread Pattern

NOTE: If spread pattern is off-center, it may be adjusted by rotating the gauge plate. This is normally only required if spread width or material density has changed.

**IMPORTANT:** Depending upon material being used, it may be necessary to empty the hopper before adjusting pattern.

Figure 1-12

1. Turn off speed control.
2. Unplug power to spreader.

**CAUTION:** Adjusting spreader with motor running may cause personal injury or equipment damage.

3. Loosen two capscrews holding gauge plate to base approximately ½ turn. See Figure Figure 1-13.
4. Adjust gauge plate to re-center spread pattern. If spread is heavy to drivers left, rotate gauge plate clockwise (viewed from top) until pattern is even. If pattern is heavy to drivers right, rotate gauge plate counter-clockwise (viewed from top) until pattern is even.
5. Re-tighten capscrews. **DO NOT OVER TIGHTEN!**



Figure 1-12

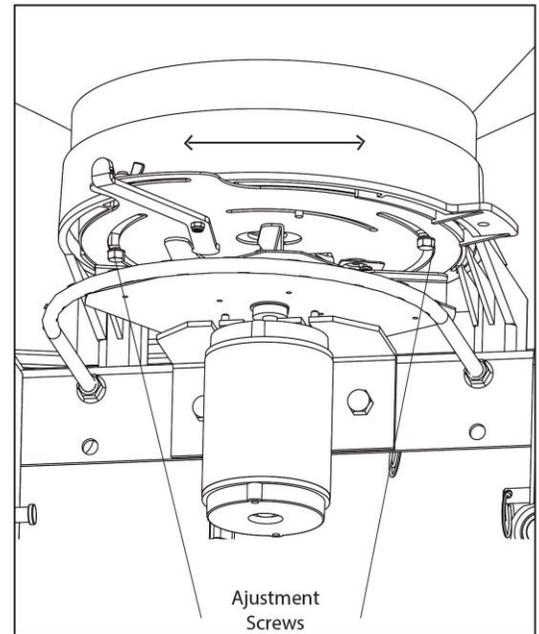


Figure 1-13

	CAUTION	
	<p style="font-weight: bold; margin: 0;">Do Not Transport or Store Fertilizer in Hopper</p> <ul style="list-style-type: none"> <li>Do not transport mower and broadcaster on trailer with fertilizer in the hopper. Materials such as fertilizer will pack in the hopper and the added weight cause strain on the mount and broadcaster.</li> <li>Remove all fertilizer at the end of each day.</li> </ul>	

## 4 Attachment Instructions

1. Use the Electric Broadcast Spreader for its intended purposes only. Never use it to carry, push, pull or drag any object other than its intended purpose.
2. Misuse can lead to damage of the attachment.
3. Do not exceed speeds of 8 mph.
4. Be sure Broadcast spreader wedge bolts are in place and snug to prevent wobble in mount. Wobble can cause damage to Broadcaster frame.

	<b>CAUTION</b>	
	<ul style="list-style-type: none"> <li>• A Crush Hazard exists when mounting attachment to mount bar. Do Not allow anyone to stand between tractor and attachment while mounting.</li> <li>• Do not attempt to mount spreader with hopper full.</li> <li>• Always make sure the clevis pins are secure before operation.</li> <li>• Always make sure the parking brake is engaged on mower/UTV, engine is turned OFF and key is removed before mounting the attachment.</li> </ul>	

## 5 Mounting Instructions

1. Park mower/UTV close to clevis area.
2. Ensure power unit is shut off and parking brake is engaged. Attached Electric Broadcast Spreader securely with clevis pins.

## 6 Dismounting Instructions

### 6.1 Removing Electric Broadcast Spreader

To remove the Electric Broadcast Spreader, follow these steps:

1. Park Electric Broadcast Spreader and Mower/UTV on a solid level surface. Engage parking brake and shut engine off and remove key.
2. Empty hopper.
3. Disconnect electric plug.
4. Ensure feet are clear from beneath the attachment. Remove clevis pins. With a strong grip, lower attachment to ground.

## 7 Storage Instructions

### 7.1 Storing Your Electric Broadcast Spreader

Ensure your attachment is clear of debris, inspect for damage or repairs needed and service as necessary before storage. This will ensure the attachment is ready for use the next time it's in the field and ensure repairs are not accidentally forgotten or overlooked.

	<b>CAUTION</b>	
	<ul style="list-style-type: none"> <li>• Use appropriate safety equipment, eye protection and clothing.</li> <li>• Wipe or blow excess fertilizer from broadcaster at the end of each day.</li> <li>• Do not use pressurized water spray to clean broadcaster.</li> <li>• Remove all fertilizer at the end of each day</li> </ul>	

	<b>CAUTION</b>	
	<ul style="list-style-type: none"> <li>• Do not apply oil to any of the gate or gauge mechanisms. Oil will allow fertilizer dust to collect and solidify.</li> </ul>	

1. Store Electric Broadcast Spreader indoors. Inside storage will reduce maintenance and extend life of attachment.
2. Store Electric Broadcast Spreader upside down (on hopper) with moisture cover removed.
3. For off-season storage, clean broadcaster thoroughly. **Do not pressure wash!**
4. Inspect for loose or worn parts and adjust or replace as needed.

## 8 Transporting Instructions

	<b>CAUTION</b>	
	<ul style="list-style-type: none"> <li>• Failure to secure spreader can cause equipment damage or personal injury</li> <li>• DO NOT transport mower and broadcaster on trailer with fertilizer in the hopper.</li> </ul>	

### 8.1 Transporting Your Electric Broadcast Spreader

1. Ensure the Broadcaster is firmly tied down to trailer.
2. Remove or secure moisture cover.

## 9 Field Use Set-up and Instructions

	<b>CAUTION</b>	
	The following procedures should be carried out by the operator. Other persons should be cleared of the area.	

### 9.1 Field Preparation Electric Broadcast Spreader

1. Ensure that your Electric Broadcast Spreader is level.
2. Check to make sure that wedge bolts are tight.
3. Check all nuts and bolts and tighten if needed.

## 10 Specifications

Model 505, 506 & 506U Electric Broadcast Spreader

<b>Approximate Shipping Weight</b>	50 lbs.
<b>Capacity</b>	120 lbs / 2.2 cu. Ft.
<b>Width</b>	29 inches
<b>Length</b>	22 inches
<b>Height</b>	24 inches

## 11 Trouble Shooting

Symptom	Possible Cause	Action
Motor won't run	Broken or corroded connection	Check continuity; check for broken wire; CLEAN ALL CONNECTIONS
	No power to speed control	Check fuse; check voltage at connector
	Overtoltage; damaged speed control	Power harness incorrectly connected to auxiliary circuit. Connect directly to battery. Power incorrectly connected to under regulated electrical system on non-electric start mower.
Erratic spread pattern	Lumps in material	Break up lumps
Gate won't close or open properly	Fertilizer solidified in gate rail	Remove gate rail and clean. DO NOT use oil on guides or gate.

**JRCO Model 503/504 Broadcast Spreader settings for Commercial, Pelletized Fertilizers**

MOWER SPEED	GATE SETTING					SPREAD WIDTH (SPEED CONTROL SETTING)
	Pounds per 1000 sq. ft.					
	2.5 lb.	3 lb.	4 lb.	5 lb.	6 lb.	
2 mph	3 1/2	4	4 1/2	5	5 1/2	8 ft
3	4	4 1/2	5	5 1/2	6	8 ft
4	4 1/2	5	6	6 1/2	7	8 ft
5	5	5 1/2	6 1/2	7	8	8 ft
6	5 1/2	6	7	8	9	8 ft
<hr/>						
2	4	5	5 1/2	6	6 1/2	12 ft
3	5	5 1/2	6	7	7 1/2	12 ft
4	5 1/2	6	7	8	9	12 ft
5	6	7	8	9	10	12 ft
6	7	8	9	10	12	12 ft
<hr/>						
2	5	5 1/2	6	7	7 1/2	18 ft
3	6	6 1/2	7	8	9	18 ft
4	7	7 1/2	9	10	12	18 ft
5	8	8 1/2	10	13	15	18 ft
6	8 1/2	9 1/2	12	15	NA	18 ft
<hr/>						
2	6	6 1/2	7	8	9	25 ft
3	7	7	9	11	13	25 ft
4	8	9	11	15	NA	25 ft
5	9	11	15	NA	NA	25 ft
6	11	13	NA	NA	NA	25 ft

Speeds greater than those listed on the above chart are **NOT** recommended. Spreading at faster than recommended speeds may cause uneven application.

Distance	Time	Speed
88 ft.	30 seconds	2 MPH
88 ft.	20 seconds	3 MPH
88 ft.	15 seconds	4 MPH
88 ft.	10 seconds	6 MPH
88 ft.	7.5 seconds	8 MPH

To determine mower speed, set two markers 88 feet apart and record time it takes to go from one to the other. See table below to determine speed.

**JRCO Model 503/504 Broadcast Spreader settings for common Grass Seeds**

	MOWER SPEED	GATE SETTING										WIDTH
		Pounds per 1000 sq. ft.										
		1/2 lb.	1 lb.	2lb.	3 lb.	4 lb.	5 lb.	6 lb.	7 lb.	8 lb.	10 lb.	
<b>Athletic Blend 8'</b> (39% Tall Fescue, 30% Perennial Ryegrass, 20% Kentucky Bluegrass, 9.5% Chewing Fescue)	2 mph	4 1/4	5	6	7	8	9 1/4	10	11	12 1/2	14 1/2	8 ft
	3	4 1/2	5 1/2	7	8 1/2	10 1/2	12 1/2	14 1/2	NA	NA	NA	8 ft
	4	5	6	8	10	12 1/2	14 1/2	NA	NA	NA	NA	8 ft
	5	5 1/4	6 1/2	9	12	15	NA	NA	NA	NA	NA	8 ft
	6	5 1/2	7	10	14	NA	NA	NA	NA	NA	NA	8 ft
	<b>Athletic Blend 12'</b> (39% Tall Fescue, 30% Perennial Ryegrass, 20% Kentucky Bluegrass, 9.5% Chewing Fescue)	2	4 1/2	5 1/4	6	7	8	8 3/4	9 1/2	10 1/2	12	13 1/2
3		4 3/4	5 1/2	6 3/4	8	9 1/4	10 1/2	12	13 1/2	14 1/2	NA	12 ft
4		5	5 3/4	7 1/2	9	11	13	14 1/2	NA	NA	NA	12 ft
5		5 1/4	6	8 1/2	10 1/2	13	15	NA	NA	NA	NA	12 ft
6		5 1/2	6 1/2	9 1/4	12 1/4	14 1/2	NA	NA	NA	NA	NA	12 ft
<b>Ryegrass 10' Wide</b>		2	5 1/2	6	7 1/2	8 1/2	10	11 1/2	13	NA	NA	NA
	3	5 3/4	6 1/2	8	11	12 1/2	14 1/2	NA	NA	NA	NA	10 ft
	4	6	7	10	12 1/2	15	NA	NA	NA	NA	NA	10 ft
	5	6 1/4	7 1/2	11	14	NA	NA	NA	NA	NA	NA	10 ft
	6	6 1/2	8	13 1/2	15	NA	NA	NA	NA	NA	NA	10 ft
	<b>Ryegrass 14' Wide</b>	2	5	5 1/2	6 1/2	7 1/4	8 1/2	10	11	12 1/2	14	NA
3		5 1/4	6	7 1/2	8 1/2	10 1/2	12 1/2	14	15	NA	NA	14 ft
4		5 1/2	6 1/2	8	10 1/2	13	15	NA	NA	NA	NA	14 ft
5		5 3/4	7	9 1/2	12 1/2	15	NA	NA	NA	NA	NA	14 ft
6		6	7 1/2	10 1/2	14	NA	NA	NA	NA	NA	NA	14 ft
<b>DOT Blend 8' Wide</b> (33.7% Brome, 28.7% perennial ryegrass, 12% switchgrass, 11% alfalfa, 11% timothy)		2	2	3	4 1/2	5 1/2	6	7	8	9	10	12
	3	2 1/2	3	5	6 1/2	8	9 1/2	11	12 1/2	14	NA	8 ft
	4	2 3/4	4	6	8	10	12	14	15	NA	NA	8 ft
	5	3	4 1/2	7	9 1/2	12	14 1/2	NA	NA	NA	NA	8 ft
	6	3 1/2	5 1/2	8	11	14	NA	NA	NA	NA	NA	8 ft
	<b>Kentucky Bluegrass 8'</b>	2	3 1/2	4	5	6	6 3/4	7 1/2	8 1/2	9	10	12
3		4	4 1/2	6	7	8 1/2	9 1/2	11	12 1/2	14	15	8 ft
4		4 1/2	5	6 1/2	8 1/2	10	12	14	15	NA	NA	8 ft
5		4 3/4	5 1/2	7 1/2	9 1/2	12	14	NA	NA	NA	NA	8 ft
6		5	6	8 1/2	11	14	NA	NA	NA	NA	NA	8 ft
<b>White Dutch Clover 15'</b>		2	6	6 1/2	8 1/2	10 1/2	13	15	NA	NA	NA	NA
	3	6 1/4	7 1/2	10	14	NA	NA	NA	NA	NA	NA	15 ft
	4	6 1/2	8 1/2	12 1/2	NA	15 ft						
	5	7	9	14	NA	15 ft						
	6	7 1/2	11	NA	15 ft							

NA= Not applicable

Speeds greater than those listed on the above chart are **NOT** recommended.  
Spreading at faster than recommended speeds may cause uneven application.

## 12 Optional Equipment

JRCO offers a side deflector option and a screen option for the JRCO Electric Broadcast Spreader. Please contact your dealer to order.



Side Deflector Kit Model 7053

Stainless Steel Hopper Screen 8436

The deflector cup locks in both the working and storage positions. The connecting bracket, rod and hardware are all stainless steel.

The Hopper screen rests in the middle of the hopper and sifts lumps from the material. The openings are large, for unobstructed flow.

For more information on JRCO attachments, see your dealer or see us on the web at [www.jrcoinc.com](http://www.jrcoinc.com)



20195 South Diamond Lake Road, Suite 100 • Rogers, MN 55374  
 Toll-Free: 800-966-8442 • Website: jrcoinc.com • Email: info@jrcoinc.com

**Dear Valued Customer:**

The Jrco Attachment you just purchased is built with the finest material and craftsmanship. Use this attachment properly and enjoy the benefits from its high performance. By purchasing a Jrco Attachment, you show a desire for quality and durability. Like all mechanical equipment this unit requires a due amount of care. Treat this unit like the high-quality piece of machinery it is. Neglect and improper handling may impair its performance and is not covered by this limited warranty.

Thoroughly read the instructions and understand the operation before using your product. Always contact Jrco Product Support at 1-800-966-8442 prior to having any service or warranty work performed, as some services performed by parties other than Jrco approved service centers may void this warranty. This limited parts warranty is in lieu of any other warranty expressed or implied, written or oral and Jrco assumes no other responsibility or liability outside that expressed within this limited warranty.

**Limited Parts Warranty for Jrco Attachment:**

	<b>Consumer Parts Warranty Period</b>	<b>Commercial Parts Warranty Period</b>
<b>Weldments</b>		
	1 year from date of purchase by user	1 year from date of purchase by user
<b>Electric Motor, Pump &amp; Speed Controller</b>		
	90 days from date of purchase by user	90 days from date of purchase by user
<b>Wear Parts</b>		
	Jrco shall not warrant normal wear items. High impact wear related components such as, but not limited to standard retention hardware for wear items, tines and tine assemblies, seals, seal shields, grease fitting, bearings, bushings tires and wheel assemblies. Routine maintenance items such as lubricants, adjustments, tune ups, and damage from operation with loose hardware are not covered under limited warranty.	
<b>Engines</b>		
	The engine warranty is covered under the terms and conditions as outlined by the engine manufactures warranty contained herein and is the sole responsibility of the engine manufacturer. Normal engine maintenance such as spark plugs, oil changes, air filters, adjustments, fuel system cleaning and obstruction due to build up is not covered by this Jrco limited warranty.	

“**Consumer use**” means personal residential household use by a consumer. “**Commercial use**” means all other uses, including, but not limited to, use for commercial, income producing or rental purposes or when purchased by a business.

This limited parts warranty applies to the original purchaser of the equipment (verification of purchase, in the form of a receipt, is the responsibility of the buyer), is non-transferable, and covers parts. Parts will be replaced at no charge, except when the equipment has failed due to lack of proper maintenance. If a part is no longer available, the part may be replaced with a similar part of equal function. Any misuse, abuse, alteration or improper installation or operations will void warranty. Determining whether a part is to be replaced or repaired is the sole decision of Jrco. Jrco will not provide for replacement of complete products due to defective parts. Any labor costs incurred due to replacement or repair of items is the responsibility of the buyer and not covered under warranty. Transportation costs to and from service center and/or service calls are the responsibility of the customer.

This limited warranty specifically excludes the following; failure of parts due to damage caused by accident, fire, flood, windstorm, acts of God, applications not approved by Jrco in writing, corrosion caused by chemicals, use of replacement parts which do not conform to manufacturer’s specifications, damage related to rodent and/or insect infestation and damage caused by vandalism. Additional exclusions: loss of running time, inconvenience, loss of income, or loss of use, including any implied warranty of merchantability of fitness for a specific use. Also, outdoor power equipment needs periodic parts and service to perform well, and this limited warranty does not cover instances when normal use has exhausted the life of a component or the engine.

This limited warranty does not cover any personal injury or damage to surrounding property caused by failure of any part, misuse or inability to use the product. Alteration of the product, including safety features, shall void this limited warranty.



**JRco**  
**Product Registration Form**

**YOUR INFORMATION**

**Full Name:**

\_\_\_\_\_  
Last First M.I.

**Address:**

\_\_\_\_\_  
Street Address Apartment/Unit #

\_\_\_\_\_  
City State ZIP Code

**Home Phone:**

\_\_\_\_\_

**Alternate  
Phone:**

\_\_\_\_\_

**Email**

\_\_\_\_\_

**PURCHASED FROM**

**Company:**

\_\_\_\_\_

**Address:**

\_\_\_\_\_  
Street Address Apartment/Unit #

\_\_\_\_\_  
City State ZIP Code

**MODEL INFORMATION**

**Purchase Date**

\_\_\_\_\_

**Application Type**

Homeowner

Commercial

Rental

**Model** (i.e. 504)

\_\_\_\_\_

**Serial #** (i.e. 50404170001)

**Signature**

\_\_\_\_\_

**Register your product online at [www.jrcoinc.com](http://www.jrcoinc.com)**

**Mail To:**

**JRco | 20195 S. Diamond Lake Rd., STE 100 | Rogers, MN 55374**



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# Jrco

***Heavy-duty Attachments  
for Commercial Mowers***

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