



SwayPro™

Owner's Manual

BXW0553

550 lbs. maximum tongue weight capacity

BXW0753

750 lbs. maximum tongue weight capacity

BXW1003

1000 lbs. maximum tongue weight capacity

BXW1503

1500 lbs. maximum tongue weight capacity

NOTE: A minimum tongue weight of 350 lbs. is required

THANK YOU

for purchasing a SwayPro™ from Blue Ox®. Please read the manual to insure your installation is as simple and trouble-free as possible. Keep your sales receipt and the manual in a safe place for future reference.

Features and Benefits

- **Open Head**
Open head provides easy access for tightening the hitch ball.
- **Powder Coat Steel Finish**
The powder coat finish provides a professional appearance, aids in rust prevention, and prolongs the life of the product.
- **Signature Series Rotating Latches**
Rotating latches clear obstacles that are mounted above the frame and keeps chains from swinging to eliminate sway.
- **Spring Bar Attachment**
Spring bars automatically lock into place. Simply turn 90° to remove.
- **Sway Control**
Sway is controlled by the Signature Series Rotating Latches and Spring Bar Attachment.
- **Grease Zerk**
Grease is captured inside the bar pivot head. No messy bars to deal with.
- **Built In Weight Distribution**
Weight distribution is built into the hitch head. No fine tuning or adjustments are necessary.

Frequently Asked Questions

What size ball shanks can be used?

Answer: The SwayPro™ accepts 1" or 1-1/4" ball shanks.

Does the sway control require adjustment?

Answer: No, due to the sway control being built into the Signature Series Rotating Latches and Spring Bar Assembly no adjustment is required.

What is *gross trailer weight*?

Answer: Weight of trailer (dry) + liquids (water, propane, sewage) + cargo. Measure gross trailer weight with a fully loaded trailer on a level surface, preferably on a public truck scale.

What is *tongue weight*?

Answer: Downward force exerted on the hitch ball by the trailer ball coupler. Measure tongue weight with a fully loaded trailer on a Level surface with trailer ball coupler at normal tow.

Things To Know

Loaded ball height should never be greater than uncoupled height at ball on towing vehicle. Front wheel overload and loss of rear wheel traction can occur and can lead to unstable handling, reduced braking ability, and a tendency to jackknife when turning and braking at the same time.

DO NOT attempt to tow any type of trailer behind another trailer. Towing multiple trailers may cause severe instability, loss of control and/or structural failures.

Handling and control of your towing vehicle and trailer is greatly improved when the cargo is properly loaded and distributed.

Welcome to the Blue Ox[®] Experience

Congratulations! You are now the proud owner of a SwayPro[™].

Welcome to the Blue Ox[®] Family. The weight distributing hitch combines quality components with the latest in technology and style. We are confident that these design features will provide you with the conveniences you expect during your travels. Your SwayPro[™] is backed by a three (3) year limited warranty. **Any unauthorized modifications to your SwayPro[™] may void the warranty.**

Please read all of the technical documents, warnings, tips, and notes in this manual before operating your SwayPro[™] for the first time. Improper installation, use and/or maintenance may result in malfunction causing personal injury or property damage. Please fill out and return your warranty card. For future reference your serial number is located on the outside of the manual packaging and is also located on the top of the hitch head of your SwayPro[™].



Care and Maintenance of your SwayPro[™]

Care

When hooking up, confirm that both rotating latch brackets are tight on the tongue.

Maintenance

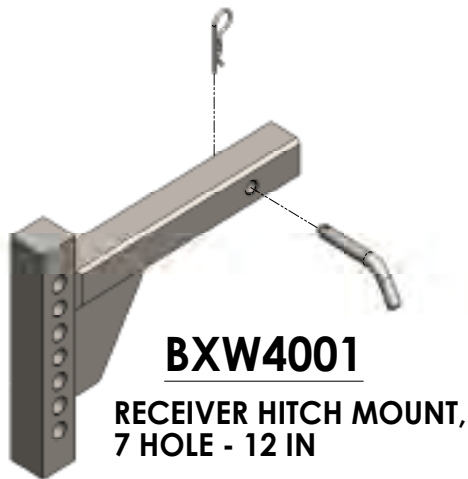
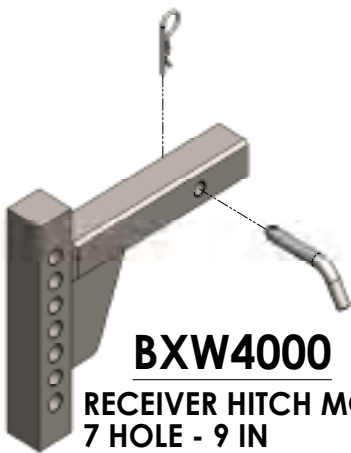
Grease **both** grease zerks on the front of the bar pivot before each use. We recommend molybdenum grease. Wipe away excess grease after application.

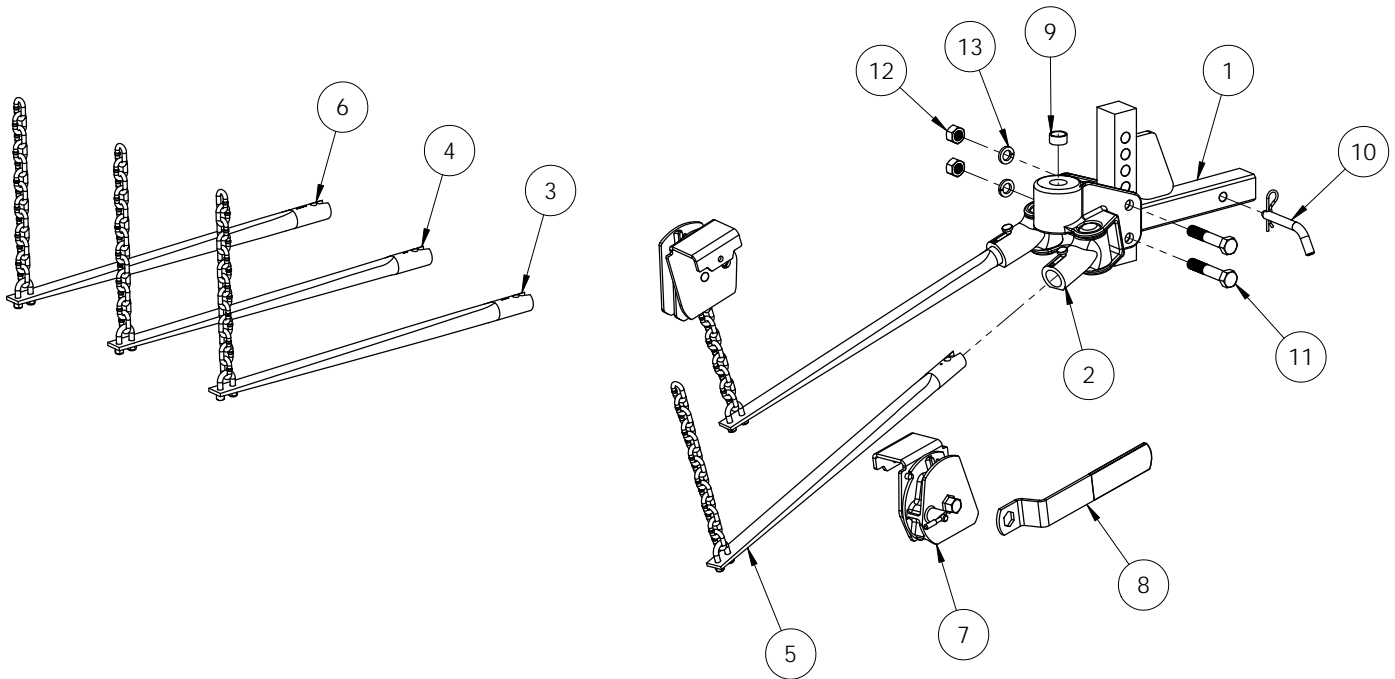
Periodically grease the hitch ball with molybdenum grease.

BXW4005 Kit, 550 lb Spring Bars
BXW4006 Kit, 750 lb Spring Bars
BXW4007 Kit, 1,000 lb Spring Bars
BXW4008 Kit, 1,500 lb Spring Bars

Tools Required

Torque Wrench
Tape Measure
1-1/16" Socket
1-1/8" Socket





Note: Items #3 thru #6 depend on your SwayPro™ model

Item number	Description	Part number	Qty.
1.....	61-6014	Receiver Hitch Mount Weldment, 7 Hole.....	1
2.....	61-7067	Hitch Head Assembly.....	1
3.....	62-3536	1,000 Lb. Assembly Bar.....	2
4.....	62-3537	750 Lb. Assembly Bar.....	2
5.....	62-3538	500 Lb. Assembly Bar.....	2
6.....	62-3558	1,500 Lb. Assembly Bar.....	2
7.....	62-3774	Clamp On Rotating Latch	2
8.....	62-3868	Rotating Latch Wrench	1
9.....	107-3042	1.25 OD x 1.03125 ID x .625 Spacer Tube.....	1
10.....	200-1483	5/8" OD x 3" Eff. Pin with Clip	1
11.....	201-0914	3/4"-10 x 4" Hex Head Bolt, Grade 5, ZP.....	2
12.....	202-0007	3/4"-10 Hex Nut, ZP.....	2
13.....	203-0014	3/4" Lock Washer, ZP	2

Installation

1. Park the towing vehicle and trailer in a straight line on firm, level ground. Air-ride shock absorbers, air springs, or automatic leveling systems on towing vehicle should be disabled or deflated to the manufacture's minimum recommended pressure prior to SwayPro™ installation.
2. Insert the hitch mount receiver shank into the towing vehicle receiver and secure with 5/8" x 3" pin and clip.
3. Couple the trailer to the hitch head by placing the trailer coupler onto the hitch ball per the manufacturer's instructions.
4. Measure 29" back from the center of the ball coupler and mark this point on the trailer tongue frame work. Mark on both sides. Center and mount the rotating latches to the trailer frame over the marked areas. Remove or relocate any obstructions on the trailer tongue framework if necessary. Finger tighten the bolts on the rotating latch at this time.

IMPORTANT: The spring bar chain must be straight up and down in the center of the rotating latch when the towed vehicle and trailer are aligned. Reposition the rotating latch along the trailer frame if necessary.

5. Insert the spring bars assembly into the hitch head pivots until the manual release pins snap closed and lock the bars in place.
6. After verifying that the rotating latches are in the proper position, torque the 1/2"-13 square head set screws against the trailer tongue framework to 40 ft. lbs. and tighten the jam nut.
7. Install the appropriate ball (not provided) to match the coupler onto the hitch head per ball manufacturer's instructions. Use the 1.031 ID spacer tube for 1" ball shank. The hitch ball capacity must meet or exceed the gross trailer weight rating.
8. Release the rotating latch bracket by rotating the lock pin. Rotate the bracket using the wrench that was provided and turn clockwise until the chain slot is on the bottom. Insert the chain with desired chain link in the slot of the tightener. Using the wrench, rotate the bracket counterclockwise until the latch pin engages in the latch hole. The suggested starting point is to have four (4) chain links showing. Do the same on the other side.

IMPORTANT: Caution must be used due to the potential of injury if the energy of the spring bar is suddenly released. The wrench will rotate quickly. Hold firmly as the rotating latch bracket will rotate downward causing a quick jerk on the wrench. Rotate slowly and firmly.

9. Determine if the angle is correct by the levelness of the towing vehicle. If necessary, adjust the chains links.
 - A. Support the weight of the trailer tongue
 - B. Unlock the rotating latch bracket and release the spring bar tension on the chains
 - C. Adjust chain to tighten or loosen one (1) link at a time
 - D. Reapply the spring bar tension on the chains by using the wrench to rotate the rotating latches in a clockwise direction until the latch pin engages in the latch pin hole
 - E. Lower the front of the trailer allowing the tongue weight of the trailer to be supported by the towing vehicle

Repeat the above steps until the towing vehicle is level.

10. If the trailer is not level, determine how much and in which direction. Each hole raises or lowers the front of the trailer 1-1/2". Level the trailer by:
 - A. Support the weight of the trailer tongue
 - B. Remove the bolt assemblies
 - C. Move the hitch head on the receiver hitch mount either up to raise the front of the trailer or down to lower the trailer
 - D. Replace the bolts and nuts in the appropriate holes to position the two (2) assemblies. Torque the 3/4" bolt assemblies to 260 ft. lbs
 - E. Lower the front of the trailer allowing the tongue weight of the trailer to be supported by the towing vehicle

Repeat the above steps until the trailer is level.

11. Verify that the trailer and the towing vehicle are level. If not, see the Troubleshooting section.

Operation

Hooking Up

1. Insert the hitch mount receiver into the receiver tube knowing the anticipated ball height. Secure with hitch pin and clip. The hitch head and hitch ball are still attached to the hitch mount receiver after unhooking.
2. Couple the trailer to the hitch head, placing the trailer coupler onto the hitch ball.
3. Insert weight distributing bars into bar pivots until it locks in place.
4. Attach chains of the spring bars by inserting them through the rotating latch. Keep track of which chain loop you use. After determining which one is the best one to level the vehicle.
5. Using the wrench, rotate the chain in the rotating latch slot over until rotating latch snaps into place. Do this on both sides. Note: Jacking up the front of the trailer with the jack makes snapping the latches easier.

NOTE: If your weight and/or weight distribution has changed since the last trip, adjustments may be necessary. Loosen or tighten chains one link at a time if more or less leveling is required.

Unhooking

1. Release both rotating latches by rotating or pulling the bracket lock pin. The wrench will rotate quickly. Hold firmly as the bracket will rotate downward causing a quick jerk on the wrench. Rotate slowly and firmly. Jacking up the trailer takes pressure off the chains and brackets making unlatching easier. (Lower jack before unlatching ball coupler.)

2. Disconnect spring bars by turning 90 degrees or pull out the pins to remove .
3. Unhook the trailer coupler from the hitch.
4. Remove the hitch pin and clip from the hitch receiver.
5. Remove the hitch mount receiver from the receiver tube.

Troubleshooting

Issue: After coupling the trailer to the hitch head, the pickup squats and the front of the trailer dips.

Resolution: If necessary, raise the chains of the spring bars up by one link or tighten spring bars if pin angles are close to 5°.

Issue: After coupling the trailer to the hitch head, the pickup is level but the front of the trailer dips.

Resolution: Adjust the hitch mount receiver higher. Each adjustment up or down equals 1 1/2".

Issue: There is excessive sway.

Resolution: Excessive sway may indicate that the trailer is improperly loaded. As a guideline, the tongue weight should be 10-15 percent of gross trailer weight. If it is not, redistribute the weight accordingly. If you encounter continuous sway or swaying that does not dissipate quickly, adjust the load.

Issue: The ride is excessively rough.

Resolution: Spring chain is too tight or spring bars are too stiff for your tongue weight. Be sure the spring chain is set properly. Verify that the spring bars are properly rated for your tongue weight.

Issue: The head unit isn't clearing the bottom of the tongue during tight turns and backing up.

Resolution: If the tongue of the trailer is 5" or wider, a hitch ball with a rise may be required.

SUPPORT THE TRAILER SAFELY WHILE MAKING ANY ADJUSTMENT




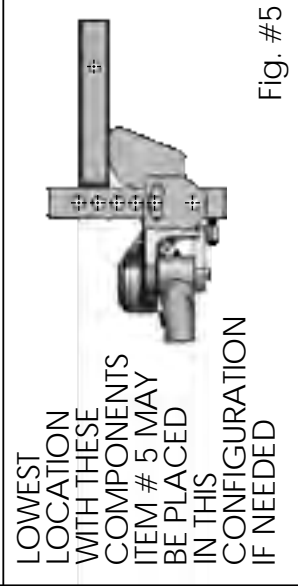
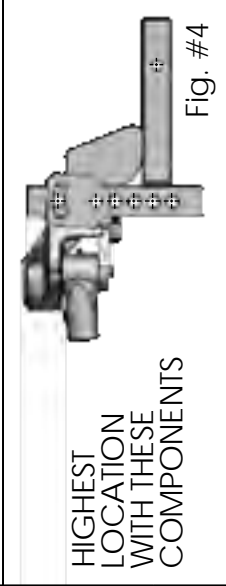
 <p>Fig. #1</p> <p>CORRECT & IDEAL</p>	<p><u>IF YOU HAVE THIS SITUATION: TIGHTEN CHAINS UNTIL THE TOWING VEHICLE IS LEVEL</u></p>  <p>Fig. #2</p> <p>NOT CORRECT - HEAVY ON THE REAR AND LIGHT ON THE FRONT</p> <p><u>IF YOU HAVE THIS SITUATION: LOOSEN CHAINS, ONE LINK AT A TIME, UNTIL THE TOWING VEHICLE IS LEVEL</u></p>  <p>Fig. #3</p> <p>NOT CORRECT - LIGHT ON THE REAR AND HEAVY ON THE FRONT</p>
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ILLUSTRATION NOTE
SOME PARTS HAVE BEEN
REMOVED FOR CLARITY



BLUE OX ORIGINAL PURCHASERS THREE YEAR LIMITED WARRANTY

Please DO NOT staple.

Automatic Equipment Manufacturing Company ("Automatic") warrants to the original (first) retail purchaser that this product, manufactured by Automatic, shall be free from defect in material and workmanship under normal use and service for a period of three years from the date of delivery.

During said three-year period, Automatic will repair or replace any parts that have been returned by the original purchaser, to the factory, transportation prepaid, and in Automatics sole and absolute opinion found to be defective.

Limitations on Warranty Coverage:

Coverage under this warranty will be valid only if the customer warranty card is returned by the original purchaser within 30 days of purchase.

Coverage under this warranty will be effective only when a copy of the original invoice, showing date and place of purchase, accompanies any claim for warranty. This warranty is NON TRANSFERABLE.

This limited warranty will not cover, in any way or form, any alleged damages caused by incorrect or improper installation, improper use, modification or neglect of product, failure to properly service and maintain, misuse, act of God, accident or failure of the user to follow guidelines contained in the instructional material provided by Automatic.

This warranty does not cover normal wear and tear, paint or rust.

Warrantor assumes no responsibility to the owner for loss of use of product, loss of time, inconvenience or any other damage consequential or otherwise. Including, but not limited to mileage, expense of transporting of product, return shipping expense, mechanics travel time, telephone, road service, towing, and rental during repairs, travel, lodging, loss or damage to personal property or loss of earnings.

REPAIR OR REPLACEMENT AS SET FORTH IN THIS LIMITED WARRANTY IS THE SOLE EXCLUSIVE REMEDY OF THE PURCHASER. AUTOMATIC SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN LENGTH TO THE DURATION OF THIS WARRANTY.

Please turn over for additional warranty information.



BLUE OX DIVISION
Automatic Equipment Mfg. Co.
P.O. Box 430
Pender, Nebraska 68047

Please PRINT clearly or attach a mailing label. Please do **NOT** staple. You can also complete your warranty card online at www.BlueOx.com in place of mailing.

Name: _____
 Phone Number: _____
 Mailing Address: _____
 City: _____ State: _____ Zip Code: _____
 E-mail Address: _____
 Model Number: _____ Serial Number: _____
 Date Purchased: _____ Purchased From: _____
 Dealer Address: _____
 City: _____ State: _____ Zip Code: _____

Please answer the following questions. Circle YES or NO where applicable.

Was this unit purchased NEW or USED?	NEW	USED
Did you receive your manual package?	YES	NO
Do you belong to any RV Clubs or Associations? If yes, which ones?	YES	NO
Do you subscribe to any RV Consumer Magazines? If yes, which ones?	YES	NO
Would you like to be a subscriber to our online newsletter?	YES	NO
Would you like to purchase an extended warranty?	YES	NO
How did you learn about Blue Ox®?	_____	_____
_____	_____	_____

I HEREBY ACKNOWLEDGE

That this equipment is in satisfactory condition and that I have received, read, and understand the instructions and safety recommendations listed in the operator's manual. I also acknowledge that I have read and understand the nature and extent of Automatic Equipment Manufacturing Company's Limited Warranty.

Owner's Signature _____ Date _____
X

Some states do **NOT** allow the exclusion of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so previous limitations or exclusions may **NOT** apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Automatic reserves the right to make changes or add improvements to its product at any time without any obligation to make such changes to previously manufactured equipment.

No liability is assumed for bodily injury that may be inflicted on the purchaser, operator, spectator or general public who is in the general area while this equipment is in use.

WARRANTY REQUEST PROCEDURE:

If your Automatic product develops a defect during the warranty period, promptly notify Automatic Customer Care. Until such notice is received, Automatic will not be responsible for any repairs or replacement.

Upon receipt of notice from you, Automatic will have a choice of options in repairing or replacing any part it determines in its sole and absolute descretion to be defective.

1.) Customer Care may require you, at your own expense, to deliver or ship the part to the factory for evaluation. They will issue a "Return Merchandise Authorization" (RMA) number if this is required.

2.) Any part that is, in Automatic's sole and absolute judgment, found to be defective in material or workmanship, will be repaired or replaced, at Automatic's option without charge for parts or labor. At Automatic's option, new, refurbished or improved parts may be used in the repair or replacement of warranted items or replacement products.

Blue Ox® Division
 Automatic Equipment Mfg. Co.
 P.O. Box 430
 Pender, Nebraska 68047
www.blueox.us - (402) 385-3051

SERIAL NUMBER _____ DELIVERY DATE _____ MODEL NUMBER _____

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Don't trust your equipment to just any hitch. Instead, rely on strong, durable hitches from the company synonymous with safe, reliable RVing. Blue Ox.

To find the Blue Ox dealer nearest you, visit www.blueox.com or call 402-385-3051.

Serial Number

Customer Service Commitment

Blue Ox® is focused on providing exemplary customer service, as observed in our mission statement and guiding principles. In accordance with this objective, Blue Ox® is proud to provide services such as repairs and general maintenance of Blue Ox® products at over 150 RV Rallies. Look for our Destination America or Blue Ox® service crews at the next rally or race that you attend. If you were not present, you will find an informative, personalized note explaining any services that may have been performed to your Blue Ox® products.

Blue Ox® also offers educational seminars at rallies and through our Parks and Resort teams. In addition, Blue Ox® customers visiting our factory may take advantage of free use of the well-equipped Blue Ox® RV park at no charge to you, our valued and



Strong As An Ox™