

Please read **BOTH** these Installation Instructions and the General Instructions before attempting to install or operate this equipment.

- Blue Ox® towing products and accessories are intended to be installed by Blue Ox® Dealers who are familiar with our products and have the equipment necessary and knowledge to do "fit work". When necessary Blue Ox® Dealers can be found at [www.blueox.com](http://www.blueox.com) or by contacting our Customer Care Department at (402) 385-3051.
- Many Blue Ox® Baseplates are designed to use existing holes and hardware to mount the baseplate to the towed vehicle. Even though bolts are there, do not assume they are adequate for baseplate mounting. Always use hardware supplied in the hardware kit and existing hardware specified in the Baseplate Installation Instructions.

Attachment Tab Height: 22.5"

Attachment Tab Width: 18.5"

### Bolt Torque Specifications

Torque in Foot-Pounds for Metric Bolts

Bolt Size	Grade 8.8	Grade 10.9
6MM	6	8
8MM	16	22
10MM	31	40
12MM	54	70
14MM	89	117

Confirm the towability and pre-towing procedures for your vehicle with the owner's manual or contact the vehicle's manufacturer for specific towing procedures.

### Bolt Torque Specifications

Torque in Foot-Pounds for Inch Bolts

Bolt Size	Grade 5	Grade 8
1/4"	10	14
5/16"	19	29
3/8"	33	47
7/16"	54	78
1/2"	78	119
5/8"	154	230



## **! WARNING**

Failure to read and follow these instructions could result in separation of the towed vehicle from the tow bar, causing property damage, loss of towed vehicle, personal injury or death.

# BX2716

# 2009-10 Kia Sportage LX

(No Fog Lights)

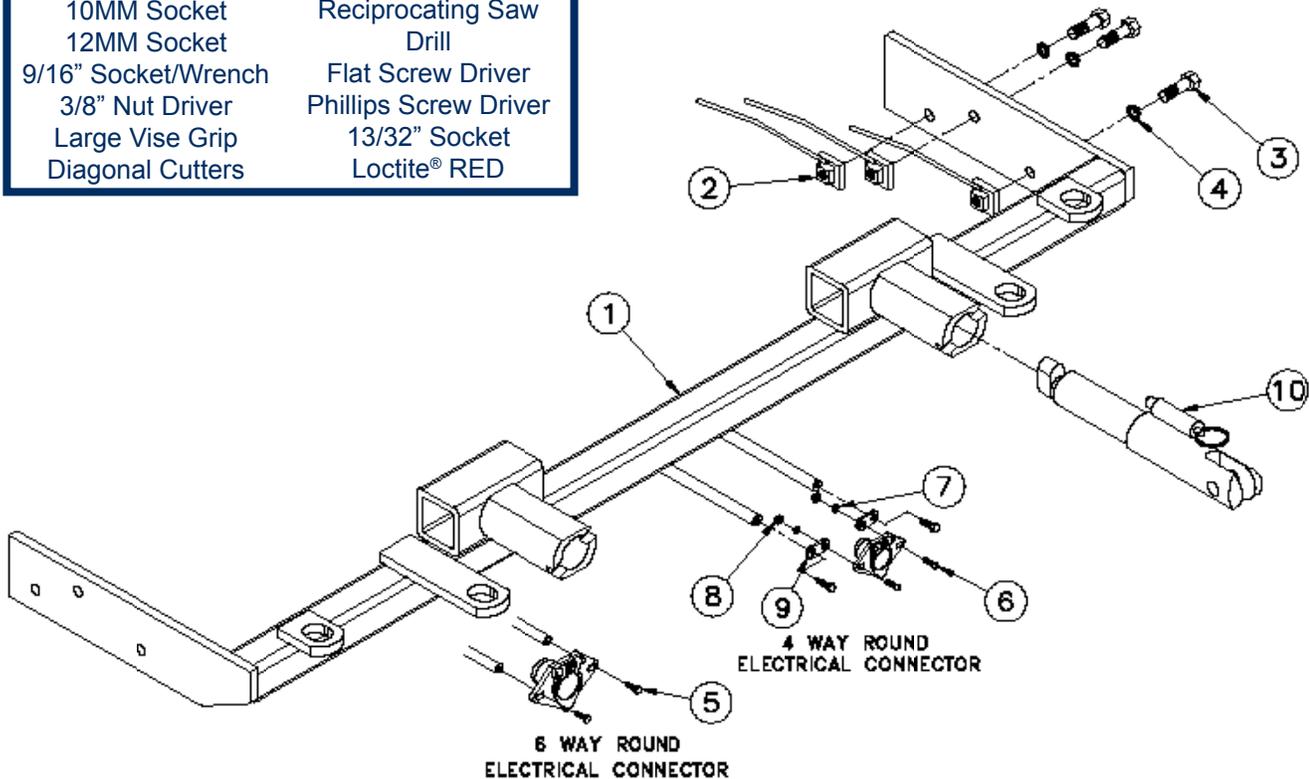
## Installation Instructions

### Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-6657	Weldment, Baseplate, BX2716
2	6	61-5208	Weldment, 3/8-16 Nut Plate, w/ 14" Wire
3	6	201-0440	3/8-16 x 1 1/2" Hex Bolt, Grd. 5, ZP
4	6	203-0010	3/8" Lock Washer, ZP
5	2	201-0979	#12-14 x 1" Self Drilling Screw, ZP
6	2	201-0192	#10-32 x 1/2" Slot Rd. Hd. Screw
7	2	203-0054	#10 Lock Washer
8	2	202-0047	#10-32 Hex Nut
9	2	101-5822	Adapter, 4 Way Connector
10	2	62-3469	Attachment, Assembly, SF/SB (R)
	4	203-0001	1/4" Flat Washer, ZP (Not Shown)
	2	226-0046	Baseplate Safety Cable, 36" CL III (Not Shown)
	2	229-0359	Quicklink, 3/8, ZP (Not Shown)
	2	290-0437	Cap Plug (Not Shown)

### Tools Required

10MM Socket	Reciprocating Saw
12MM Socket	Drill
9/16" Socket/Wrench	Flat Screw Driver
3/8" Nut Driver	Phillips Screw Driver
Large Vise Grip	13/32" Socket
Diagonal Cutters	Loctite® RED



### Important:

Use only genuine factory replacement parts on your baseplate. Do **NOT** substitute homemade or non-typical parts. If a bolt is lost or in need of replacement, for your safety and the preservation of your baseplate, be sure to use a replacement bolt of the same grade (In most cases it will be Grade 5, please reference the parts list above). Replacement parts may be ordered through your nearest Blue Ox® Dealer or Distributor, or call our Customer Care Team at (402)385-3051. Failing to follow and/or altering these installation instructions in either installation or required equipment will void the manufacturer's warranty.

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### Attachment Tabs:

Motorhome mount tow bars are recommended for use with this baseplate. Due to the design of the removable tabs, the RangeFinder II and Ambassador tow bars can not be used. Adapters, except the BX8833 and BX88151, can not be used with this baseplate.

### Instructions:

The front fascia, windshield washer reservoir, and the belly pan are removed and reinstalled.

Trimming of the frame horn bracket, radiator support, air dam and front fascia grille styles is required.

The dimensional variations between otherwise identical vehicles can be considerable. While the baseplate was designed for easy installation, it may be necessary to tailor the baseplate slightly to compensate for auto manufacturer's tolerances. These minor adjustments may include filing a hole slightly, bending electrical rods, and/ or bending end plates.

The Bx8869 Bulb and Socket Wiring Kit is recommended for this vehicle.



### Installation Instructions:



1. Using the 10MM socket remove two metric bolts from top corners of the fascia, see the white arrow in the photo above. Remove one Phillips screw from the top of the fascia, see grey arrow in the photo above. Set all aside to be reinstalled later.



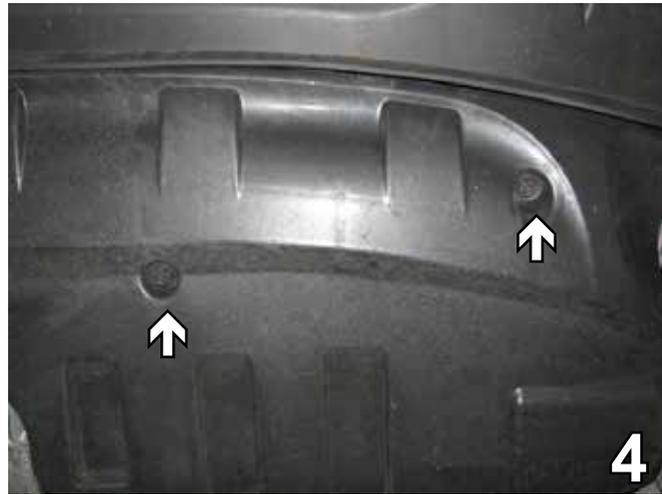
2. Just inside the wheel well, on the edge of the fascia, remove one metric bolt with an 8MM socket. Do this to both sides of the vehicle. Set bolts aside to be reinstalled later.

Handling of some cosmetic parts when installing this product may require the use of protective covers, rags, specialty tools, etc. to prevent damage.

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3. Just forward of the front tire on the fascia up underneath in the corner, using an 8MM socket remove one bolt (white arrow). Remove one Phillips push pin (gray arrow). Do this to both sides of the vehicle. Set aside to be reinstalled later.



4. Going across, using a 12MM socket remove four bolts from the belly pan. Set bolts aside to be reinstalled later.



5. On the passenger side, remove another push pin (gray arrow). Using a 12MM socket, remove the bolt (white arrow). Set push pin and bolt aside to be reinstalled later.



6. On the driver's side, remove only the push pin from the bottom of the fascia. Set belly pan and push pin aside to be reinstalled later.

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7. Remove four Phillips push pins from the bottom of the fascia. Set fascia and push pins aside carefully to be reinstalled later.



8. On the passenger side only, remove the plastic Phillips push pin, in order to press the wheel well cover toward the tire to expose two metric bolts. Set pin aside to be reinstalled later.



9. Using a 10MM socket, remove one metric bolt from behind the wheel well cover. Set bolt aside to be reinstalled later.



10. Using a 10MM socket, remove another bolt from behind the wheel well cover on the top bracket of the washer reservoir. Set aside to reinstall later.

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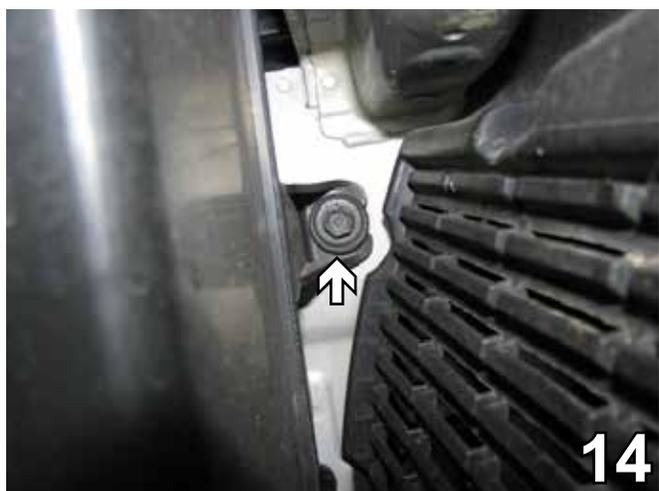
11. Loosen the Phillips screw on the front side of the washer reservoir. Unplug electrical connections, disconnect and plug water lines.



12. Using a 10MM socket, remove one metric bolt from the top spout of the windshield washer reservoir. Guide the windshield washer down and remove from the vehicle set the reservoir and bolt aside to reinstall later.



13. On the driver's side, using a 12MM socket remove two bolts from the front side of the air intake baffle. Set bolts aside to be reinstalled later.

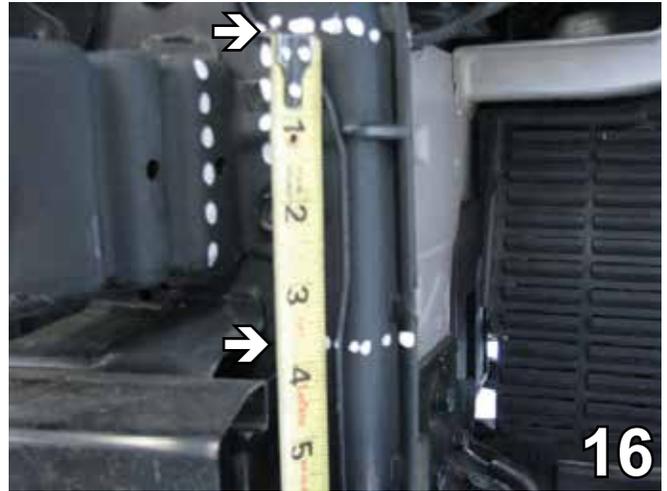


14. Using a 12MM socket, remove one bolt from the back side of the air intake baffle. Set the baffle and the bolt aside to be reinstalled later.

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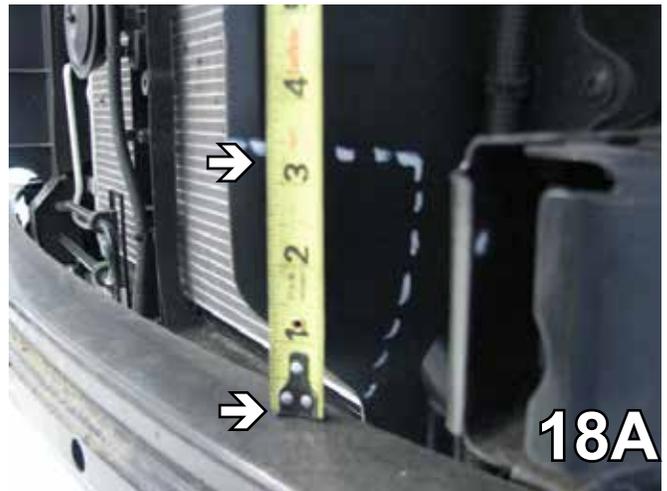
15. Using the 12MM socket, remove one metric bolt from frame (white arrow). Using the reciprocating saw, trim away frame horn end (gray arrow) by cutting vertically just forward of the bracket's rear bolt hole and horizontally along the entire width of the frame horn end and repeating to complete the rectangle. Do this to both sides of the vehicle. Set bolt aside to be reinstalled later.



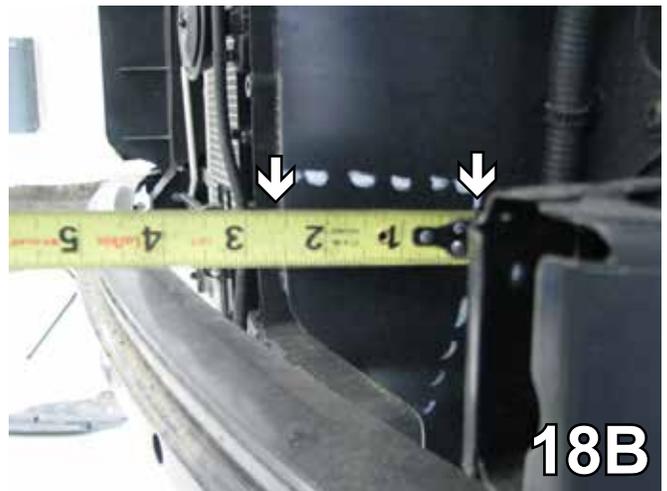
16. Mark and trim a section 3 3/4" high and flush with the frame rail to open the area for baseplate installation. Do this to both sides of the vehicle.



17. The section is flush with the frame rail on the top and 1 3/4" across. Do this on both sides of the vehicle.



18. Using a utility knife, mark and trim the air dam 3" up from the metal bumper and horizontally 2 5/8". Do this to both sides of the vehicle.



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19. Remove the rubber grommet from the frame rail.  
Do this to both sides of the vehicle.

When using power drills be aware of the dangers of torque and drill bit length.



20. Slide the baseplate onto the frame through the opening in the radiator support. Clamp into place using the large vise grips. Using the baseplate as a template, drill three holes in the frame with the 13/32" drill bit. Do this to both sides of the vehicle.



21. Insert three 3/8-16 nut plates through the lower bumper opening and align with drilled holes in the baseplate end plates. Insert the three 3/8-16 x 1 1/2" hex bolts and 3/8" lock washers and fasten to the nut plates. Tighten all bolts with Loctite Red. Do this to both sides of the vehicle.



22. Reinstall windshield washer reservoir to its original position. Reconnect electrical and water lines to windshield washer reservoir.

**\*\*BE SURE TO USE LOCTITE® RED ON ALL BOLTS BEFORE TIGHTENING. TIGHTEN ALL BOLTS ACCORDING TO THE TORQUE CHART ON PAGE 1 OF THESE INSTRUCTIONS OR ON PAGE 3 OF THE BASEPLATE TOWING GENERAL INSTRUCTIONS.**

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23. Attach the permanent baseplate safety cables to the provided convenience link on the baseplate. The photo above shows the recommended installation of the cables to frame of vehicle. Additional options may interfere with suggested mounting; in this case secure the cables to a solid piece of the frame as described in the instructions included with the permanent baseplate safety cables. Be sure the safety cables do not rub against any hoses or moving parts.



24. Cut the top bracket off of the air baffle.



25. Reinstall the air baffle. Add eight 1/4" flat washers for the two bolts to space the baffle out and miss hitting the two previously installed bolts.

26. Reinstall the belly pan.

27. Reinstall fascia, inserting all screws, push pins, and bolts.

28. Install the tow bar and safety cables according to the instructions provided in their packages. When demonstrating this to the customer, be sure to include all contents of their Blue Ox packages.

**Be sure that ALL electrical connections are plugged in properly and functioning BEFORE installing the fascia.**

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**DEALER or INSTALLER:**

**Be certain the user receives the instruction sheets for their products.**

**CUSTOMER SERVICE COMMITMENT**



Blue Ox is committed to providing you with exceptional customer care throughout your lifetime with our products. Our team is here to assist you with any questions you may have regarding the performance of your product. Simply call 1-402-385-3051 and you can speak with our customer care team.

Additionally, please visit our website to see which rallies our Destination America team will be attending. For a nominal fee, our service technician will service your towing system to ensure it's in proper working condition. Also as a commitment to our customers, should you visit our factory you can stay at our full service Blue Ox campground at no charge along with enjoying a factory tour.



Again thank you for being our customer and for the confidence you have shown in the performance of our products. It is because of customers like you we enjoy the success we have today.

If the baseplate is in an accident, it must be replaced. DO NOT use it again! An accident can cause unseen damage and using it again could result in more damage or serious injury. DO NOT use the baseplate if it is damaged or missing parts.



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# General Information

1. Ensure that your product(s) are registered online at [www.blueox.com](http://www.blueox.com). It is crucial to register your product(s) so that you may be alerted of product offerings, updates, upgrades, maintenance and safety bulletins, and/or recalls.
2. **It is the owner's responsibility to inspect all towing equipment for cracked welds, missing or worn parts and loose bolts before each towing trip.** Be sure to use Loctite® Red on all bolts and tighten to the recommended specifications.
3. **It is the owner's responsibility to hook up all towing equipment per manufacturer's instructions/recommendations.**
4. Remove the attachment tabs when not in use (if applicable).

## Notice To Baseplate Installer

### 1. It is YOUR responsibility to watch for:

- Oil cooler and air conditioner lines
- Electrical wires and hoses
- Missing parts or attaching points on the frame

\*\* If the baseplate is improperly installed and is against a wire or hose, it could cause fluid leaks or electrical shorts some time after the actual baseplate installation.

## Permanent Baseplate Safety Cable Installation

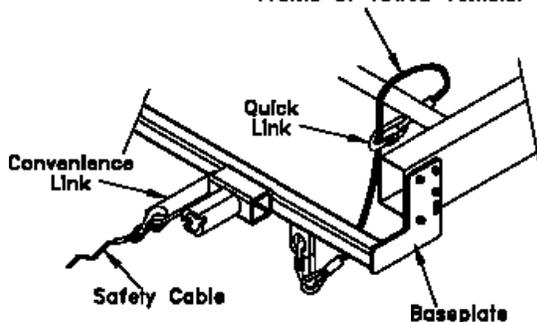
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails or becomes disconnected. The cables must be connected from the baseplate to the frame rail or cross member of the vehicle's frame. The illustrations below show the possible arrangements recommended by Blue Ox®. Each permanent baseplate safety cable must have an adequate weight rating for the towing system. The weight rating of the two (2) cables together will not qualify.

***Do not mount the permanent baseplate safety cables against wires, hoses or brake lines.***

These permanent baseplate safety cables should remain installed as long as the baseplate is installed on the vehicle. Permanent baseplate safety cables are to be used in conjunction with, and NOT a replacement for legally required safety cables attaching the towed vehicle to the towing vehicle.

### OPTION #1

Permanent Baseplate Safety Cables to Cross Member or Frame of Towed Vehicle.



### OPTION #2

Permanent Baseplate Safety Cables to Cross Member or Frame of Towed Vehicle.

