



BX1841

2008-2012 Nissan Altima Installation Instructions

Please read **BOTH** these Installation Instructions and the General Information sheet prior to installing or operating this equipment.

Serial Number

Attachment Tab Height: 20.75"

Attachment Tab Width: 33"

Please ensure tow bar being used is compatible with the baseplate tab width.

- 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 and knowledge necessary to do "fit work". If needed, Blue Ox® Dealers can be found at 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 the hardware supplied in the hardware kit and existing hardware as specified in the installation instructions.

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
3/4"	257	380

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
16MM	161	230
18MM	222	318



If the front of your vehicle looks different than this, please contact us at (402)385-3051.

Reference your vehicle owner's manual for manufacturer's towing specifications.

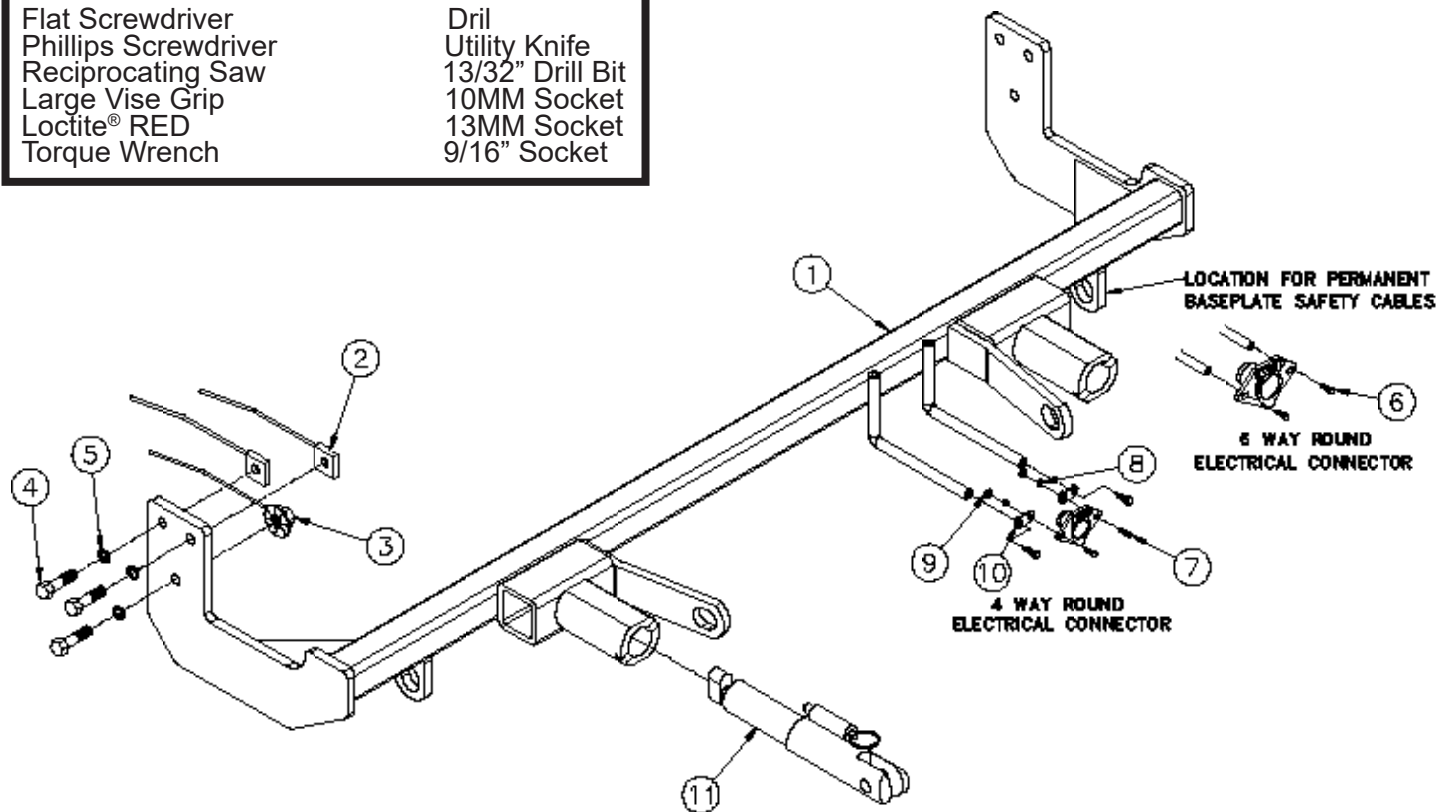
! WARNING

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.

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Tools Required

Flat Screwdriver	Drill
Phillips Screwdriver	Utility Knife
Reciprocating Saw	13/32" Drill Bit
Large Vise Grip	10MM Socket
Loctite® RED	13MM Socket
Torque Wrench	9/16" Socket



Item No.	Part No.	Description	Qty.
1.....	61-6492.....	BX1841 Baseplate.....	1
2.....	61-5208.....	1/4" x 1" x 1" Nut Plate Weldment.....	4
3.....	61-4978.....	3/8" Whiz Nut w/ 14" Wire.....	2
4.....	201-0440.....	3/8"-16 x 1-1/2" Hex Head Bolt, Grade 5, ZP.....	6
5.....	203-0010.....	3/8" Lock Washer, ZP.....	6
6.....	201-0979.....	#12-14 x 1" Self Drilling Screw, ZP.....	2
7.....	201-0192.....	110-32 x 1/2" Slot Round Head Screw.....	2
8.....	203-0054.....	#10 Lock Washer.....	2
9.....	202-0047.....	#10-32 Hex Nut.....	2
10.....	101-5822.....	4-Way Connector Adapter.....	2
11.....	62-3469.....	Attachment Tab Assembly, 1 Hole.....	2
12.....	201-0655(not shown).....	6MM-1.0 x 30MM Hex Head Bolt, Grade 8.8, ZP.....	3
13.....	203-0001(not shown).....	1/4" Flat Washer, ZP.....	15
14.....	226-0046(not shown).....	Class III Safety Cables.....	2
15.....	229-0359(not shown).....	3/8" Quicklink, ZP.....	2
16.....	290-0437(not shown).....	Receiver Cap Plug, Black.....	2

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. Failing to follow and/or altering these installation instructions in either installation or required equipment will void the manufacturer's warranty. Towing behind a non-motorized vehicle will void the warranty.

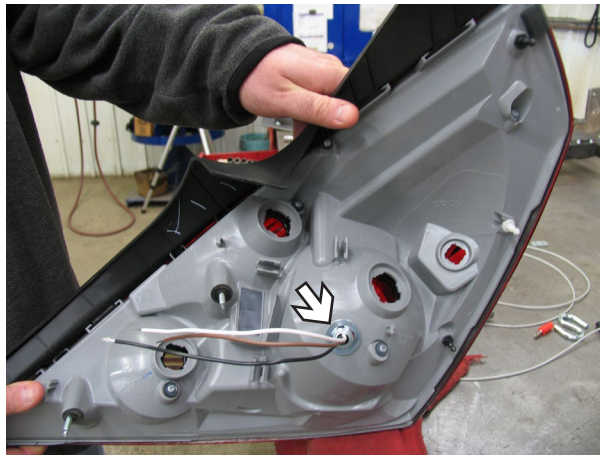
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Instruction Notes: The fascia, bumper, horn, and windshield washer reservoir are removed and reinstalled for the baseplate installation. Tow hooks are removed but not reinstalled. Some drilling and trimming is required.

Place all components that are removed on a flat, sturdy surface. All items will be reinstalled unless otherwise noted after the baseplate is installed.

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 vehicle manufacturer's tolerances.

The BX8869 Tail Light Wiring Kit is recommended for this vehicle.

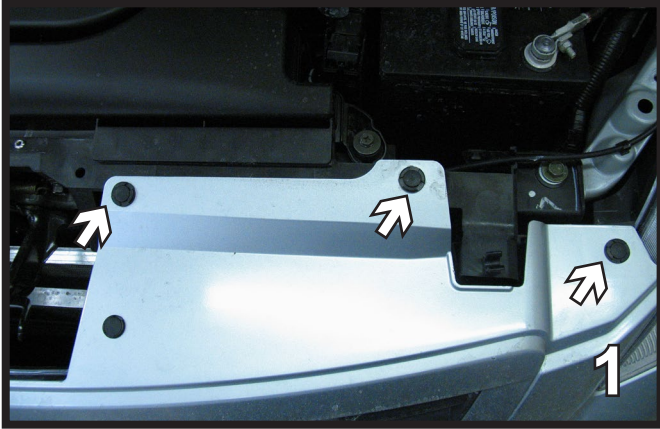


The BX8869 Bulb & Socket Kit is recommended for this vehicle.

NOTICE

- Handling of some cosmetic parts when installing this product may require the use of protective covers, rags, specialty tools, etc. to prevent damage.
- When using power drills be aware of the dangers of torque and drill bit length.
- When using a reciprocating saw be aware of objects behind the cutting surface.
- Use a good quality paint to spray cut edges of frame to prevent rusting.
- Be sure that **ALL** electrical connections are plugged in and accessories are functioning properly before reinstalling the fascia.
- The baseplate is computer tested to your vehicle's GVWR, exceeding this weight will void the manufacturer's warranty.
- Be sure to use a sufficient amount of Loctite® Red on all bolt threads before tightening. Tighten all bolts according to the torque chart provided unless specified.
- Dealer or installer be certain the user receives these instruction sheets.
- 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.

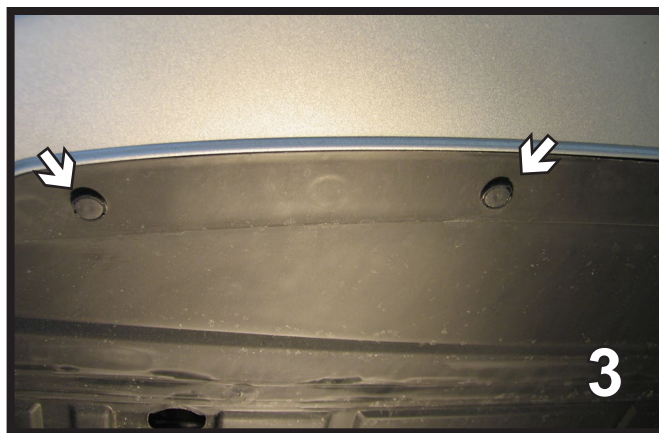
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1. Remove three push pins from the top of the front fascia and set aside to be re-installed later. This is done on both sides, the driver's side is shown.



2. On the underside edge of the front fascia remove three Phillips screws. Set aside to be re-installed later. This will need to be done to both sides of the vehicle, the driver's side is shown.

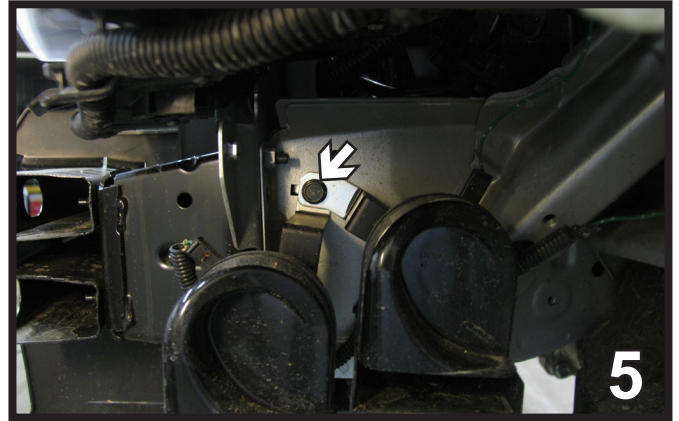


3. On the underside of the front fascia there are five push pins that need to be removed as indicated by the arrows in the picture. Set these aside as they will be re-installed later.

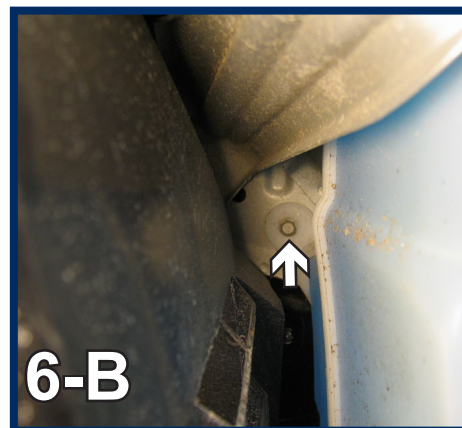
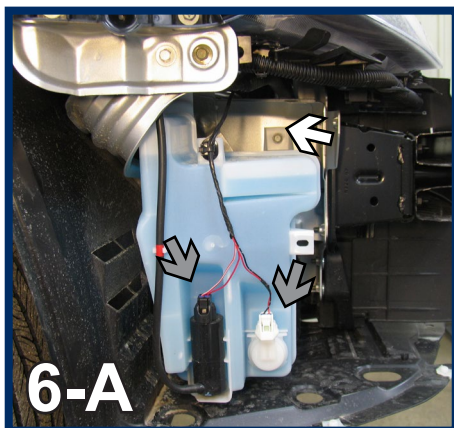
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4. Using a 10MM Socket, remove one metric bolt from the inside of the wheel well, just forward of the front tires, and set aside to be re-installed later. This is done on both sides of the vehicle, the driver's side is shown. Pull the fascia corners out to the side of the vehicle, just above the front tire to release, both sides, then pull fascia forward and set aside carefully for later reinstallation.

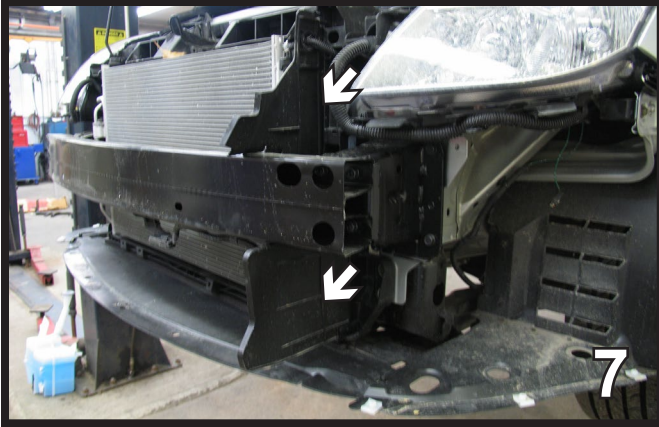


5. On the driver's side using a 13MM Socket, remove the metric bolt from the horn. Unplug and set aside to be reinstalled later.



6. On the passenger side, remove the three metric bolts from the windshield washer reservoir with a 10MM Socket. Release the two wire clips from the electrical wires, then disconnect and plug the hose. Set all aside to be reinstalled later.

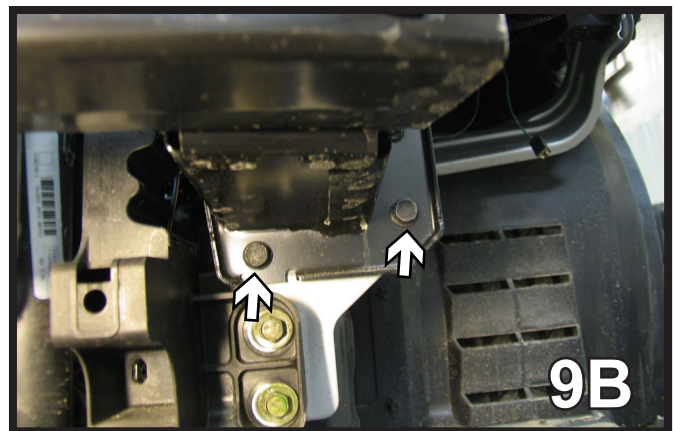
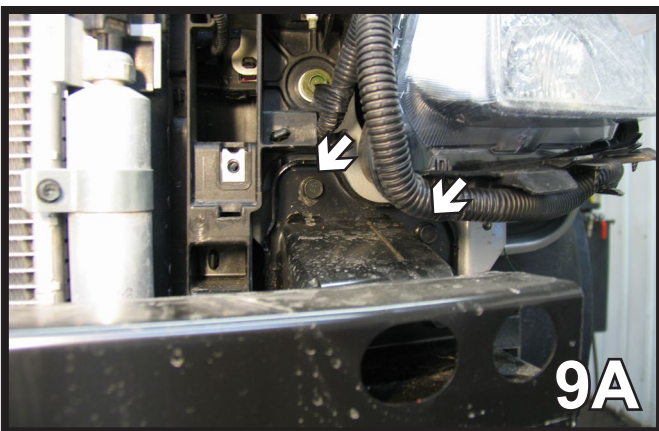
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7. Remove the black plastic from above and below the frame extension by pulling it out. This is done on both sides of the vehicle.

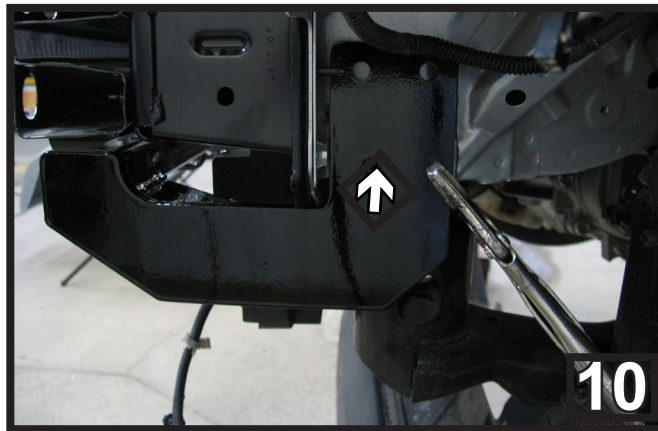


8. Unplug the sensor by pulling the tabs out of the lower bumper.



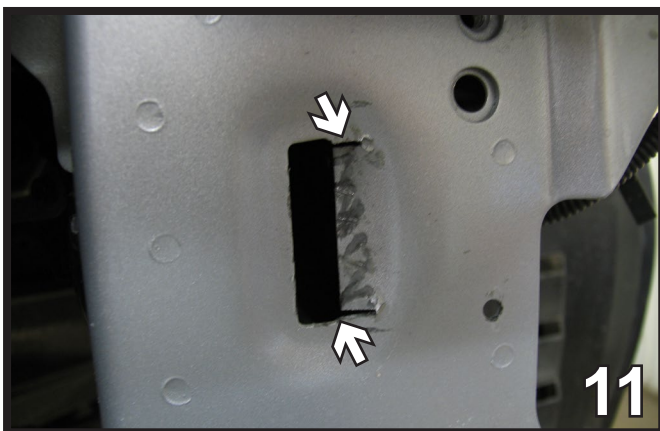
9. Using a 13MM Socket, remove the four metric bolts from around the bumper. Do this on both sides. Remove the bumper and the frame extension, set aside to be reinstalled later.

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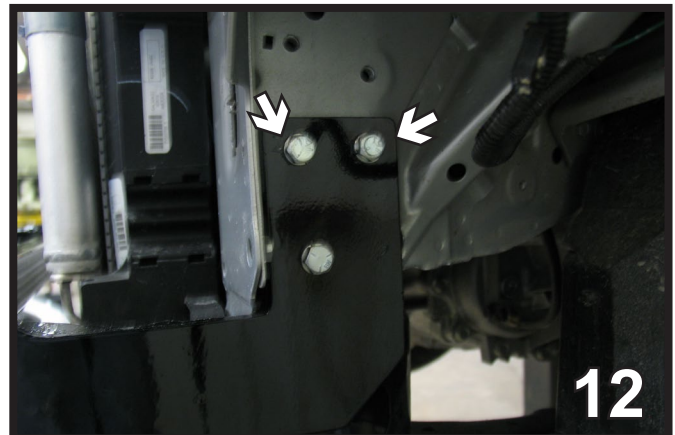


10. Lift the baseplate up and push it as far forward and up as possible. Be sure it is level with the vehicle, clamp with a vise grip. The lower hole should align in the middle of the lower frame webbing. Drill holes into lower hole of baseplate using a 13/32" drill bit. Insert 1-1/2" hex bolt, 3/8" lock washer and 3/8" whiz nut. Do this on both sides.

**** Use Loctite® Red on all bolt threads and tighten all bolts to the appropriate torque. ****



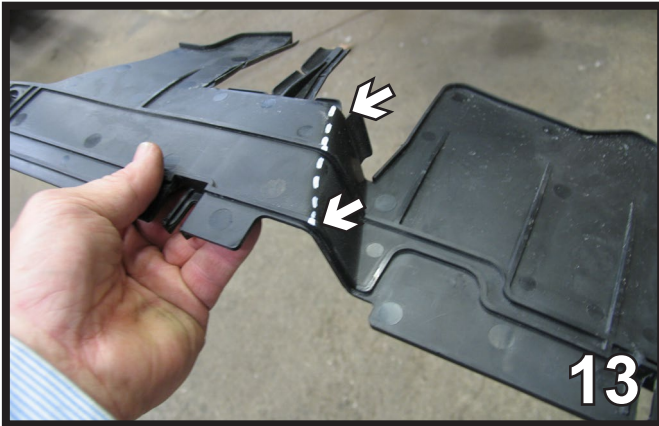
11. Using a reciprocating saw make a cut at the edge of the opening, bend the metal cut in. Do this on both sides.



12. Insert 1-1/2" hex bolt and 3/8" lock washer into the top two holes and fasten to a 1" nut plate inserted through the opening on frame end. Do this on both sides.

**** Use Loctite® Red on all bolt threads and tighten all bolts to the appropriate torque. ****

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13. Cut the black plastic at the angle shown with a utility knife. Reinsert the top piece.



14. Reinstall the washer reservoir, use 30MM hex bolt with five 1/4" flat washers behind each tab.

15. Install the permanent baseplate safety cables around a cross member or the frame and connect to the lower baseplate convenience link. See the drawing on page 2. Be sure the safety cables do not rub against any hoses or moving parts.



16. Reinstall front fascia, bumper, horn, screws, push pins and bolts. Reconnect horn, sensor and windshield washer reservoir.

17. Install the tow bar and safety cables according to the instructions when demonstrating this to the customer. Be sure to include all the contents and packages of their Blue Ox products.

18. **DO NOT** substitute other devices if the tow bar pins and clips are misplaced.

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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 (402) 385-3051 and you can speak with our customer service team.

Additionally, please visit our website to see which rallies our 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.



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General Information

1. Ensure that your product(s) are registered online at 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.

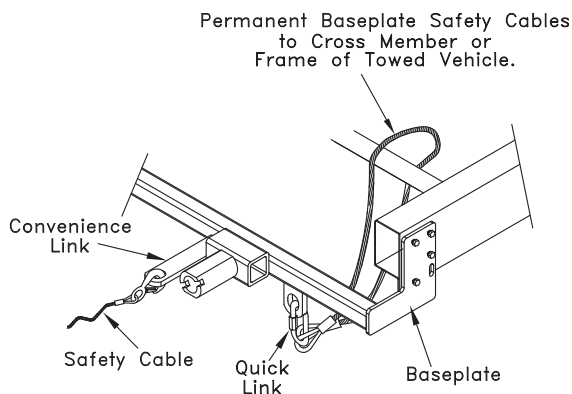
Permanent Baseplate Safety Cable Installation

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



OPTION #2

