



# BLUE OX®

## BX3231 2005-08 Pontiac G6 GT Installation Instructions

### Baseplate Installation Instructions

**Serial Number**

Please read **BOTH** these Installation Instructions and the General Towing 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 and knowledge to do “fit work.” When necessary, Blue Ox® Dealers can be found at [www.blueox.us](http://www.blueox.us) or by contacting our Customer Care Department at (888) 425-5382.
- 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 or existing hardware specified in the Baseplate Towing Installation Instructions.

Attachment Tab Height: 13”  
Attachment Tab Width: 23”

**Bolt Torque Specifications**  
Torque in Foot-Pounds per 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 per 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.

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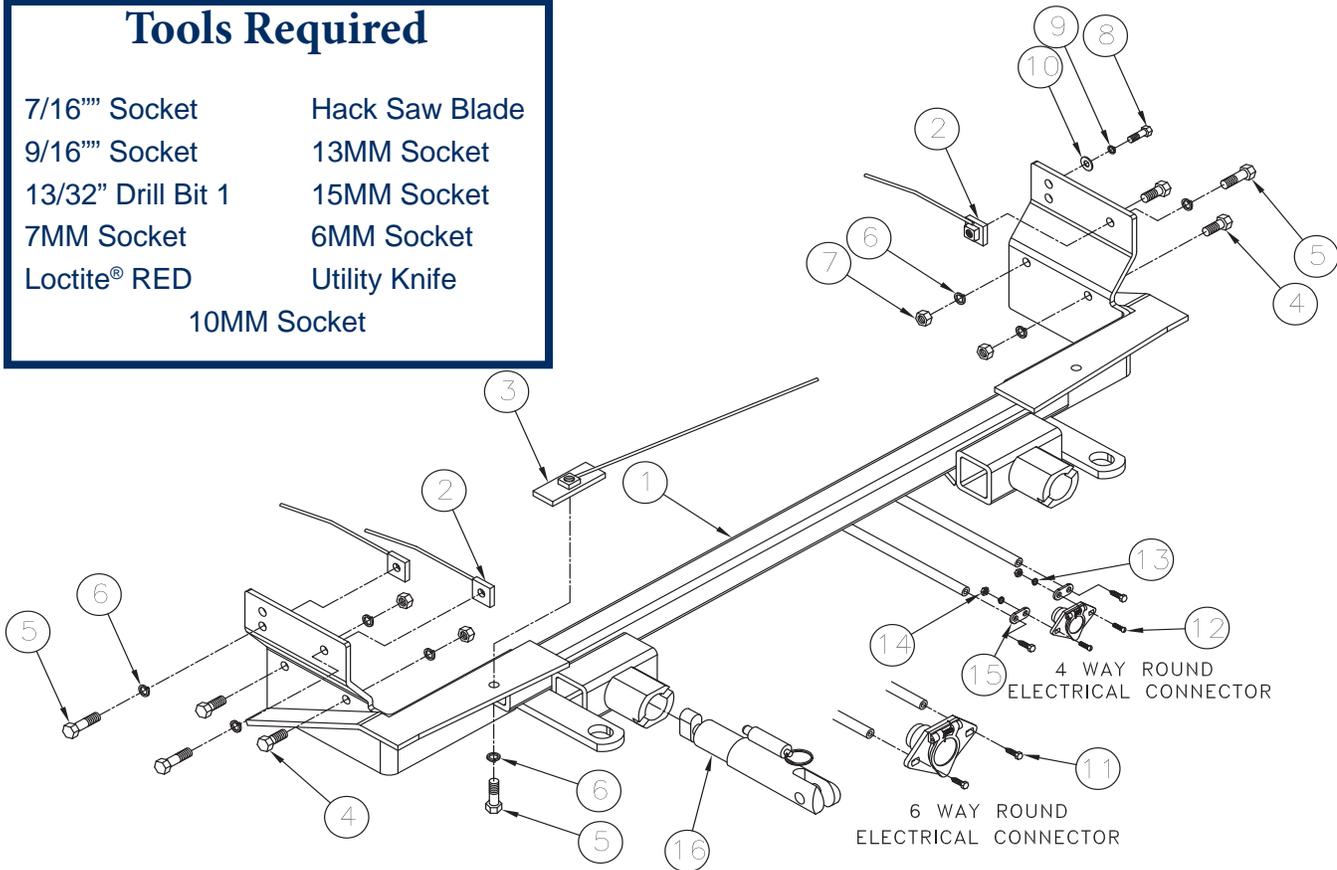
### Installation Instructions

### Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-6087	Weldment, Base Plate, BX3231
2	3	61-5208	Weldment, 3/8" Nut Plate, with 14 Inch Wire
3	2	61-5556	Weldment, 3/8" Nut Plate, with 12 Inch Wire
4	4	201-0443	3/8-16 x 1 Hex Bolt, Grd. 5, ZP
5	5	201-0440	3/8-16 x 1 1/2 Hex Bolt, Grd. 5, ZP
6	9	203-0010	3/8" Lock Washer, ZP
7	4	202-0003	3/8-16 Hex Nut, ZP
8	1	201-0655	6MM-1 x 30MM Hex Bolt, Grd. 8.8, ZP
9	1	203-0161	6MM Lock Washer, ZP
10	1	203-0001	1/4" Flat Lock Washer, ZP
11	2	201-0553	1/4-20 x 1/2 Hx. Wshd, Type F Screw
12	2	201-0192	#10-32 x 1/2 Slot, Rd. Hd. Screw
13	2	203-0054	#10 Lock Washer
14	2	202-0047	#10-32 Hex Nut
15	2	101-5822	Adapter, 4 Way Connector
16	2	62-3468	Attachment, Assembly, SF/ SB (R)
	1	201-0654	#10-16 x 1, Self Drilling Screw (Not Shown)
	2	226-0046	Baseplate Safety Cable, 36" CL III (Not Shown)
	4	229-0359	Quicklink, 3/8, ZP (Not Shown)
	2	290-0437	Receiver, Cap Plug (BLK) (Not Shown)

### Tools Required

- |                    |                |
|--------------------|----------------|
| 7/16" Socket       | Hack Saw Blade |
| 9/16" Socket       | 13MM Socket    |
| 13/32" Drill Bit 1 | 15MM Socket    |
| 7MM Socket         | 6MM Socket     |
| Loctite® RED       | Utility Knife  |
|                    | 10MM Socket    |



### 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.

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#### Vehicle Weight:

Due to the design of the removable tabs, the RangeFinderII, Adventurer and Ambassador tow bars can not be used. Adapters, except the BX8833 and BX88151, can not be used with this baseplate.

**Installation Notes:** The front fascia, horn bracket and air baffle are removed for baseplate installation. Drilling is required. Trimming of air dam and fascia is required.

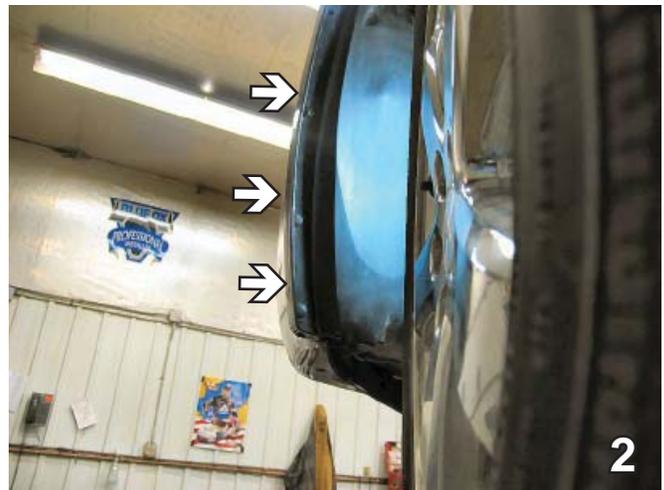
The dimensional variations between otherwise identical vehicles can be considerable. While the baseplate was designed for easy installation, it may be necessary to tailor the baseplate slightly to compensate for auto manufacturer's tolerances. These minor adjustments may include filing a hole slightly,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

The BX8869 Bulb and Socket Wiring Kit is recommended for this vehicle.

#### Installation Instructions:



1. Remove the six push pins from the top edge of fascia just between headlight assemblies.



2. Remove two christmas tree push pins and one metric bolt from the edge of wheel well, just forward of front tire with the 7MM socket, both sides.

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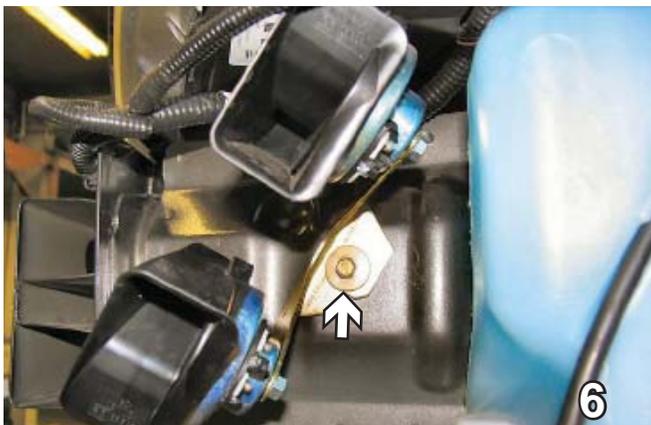
3. Using the 10MM socket, remove the back metric bolt from corner of fascia, just above front tire (left photo) and loosen the front metric bolt on the inside of wheel well, both sides (right photo shows passenger's side location with fascia off).



4. Remove the two push pins on lower edge of fascia, just forward of the front tire, both sides.



5. Remove the five metric bolts from lower edge of fascia with the 7MM socket, pull corners of fascia to the side of vehicle to release tabs, pull fascia forward and set aside.



6. Using the 10MM socket, remove metric bolt from horn bracket on the driver's side and set assembly aside.

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7. Remove the two push pins from the bottom and front of air baffle and one metric bolt from between the wheel well and baffle using the 10MM socket.



8. Tap and bend the inside portion of frame end plate toward radiator 1/4" with the hammer, both sides.



9. Mark plastic 1/2" back from front edge, cut and remove on both sides as shown in photo (photo of passenger's side).



10. Remove one christmas tree push pin from upper air dam, just inside headlight assembly, both sides.



11. Remove one christmas tree push pin from lower air dam, just below metal bumper, both sides. Turn air dam in to lay flat against radiator and lift up to remove, both sides.

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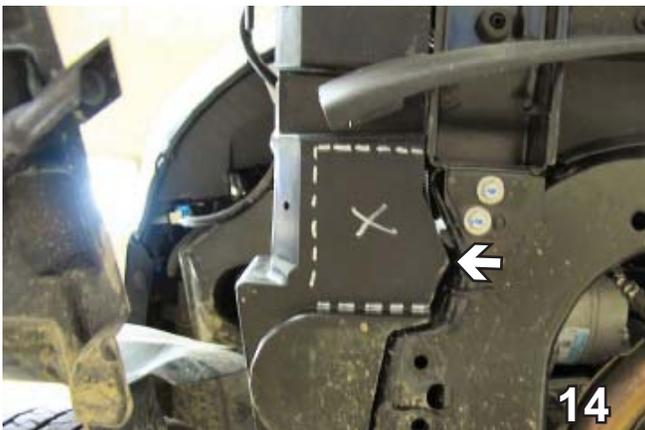
### Installation Instructions



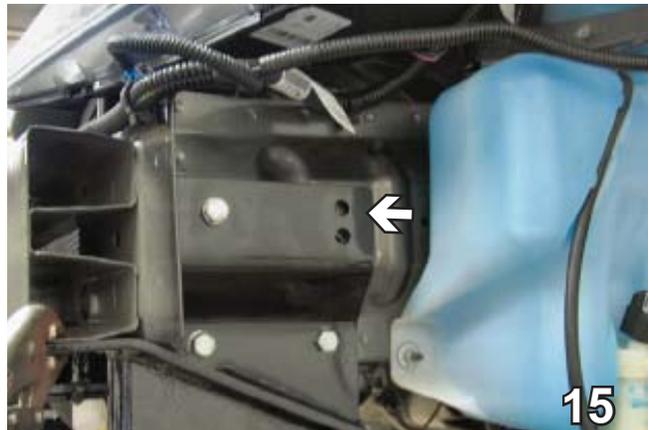
12. Using the utility knife, cut and remove the small tab of air dam and reinstall both sides. This will open area just below metal bumper for baseplate install.



13. Using the utility knife, cut and remove the small tab of air dam just below metal bumper. This will open area for baseplate install.



14. Cut opening on lower belly pan to gain access to the bottom of frame rail opening for nut plate insertion, both sides (Passenger's side is shown in photo).



15. Slide baseplate onto the frame rail and up to bottom of metal bumper, clamp baseplate to bumper with vise grip, both sides. Align baseplate to existing bolt location for the horn bracket on the driver's side, replace and tighten existing metric bolt for horn bracket to hold baseplate in place. Be sure to align lower holes of baseplate to the center of lower frame webbing before drilling holes. Align passenger's side of baseplate to the frame to the same location as the driver's side and

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

clamp to the bottom edge of metal bumper as shown in photo for driver's side. Using the baseplate as a template, drill the two lower holes and the top front hole with the 13/32" drill bit. Insert the 3/8-16 x 1" hex bolts into the two lower drilled holes of baseplate, tighten the 3/8-16 hex nut and lock washer with the 9/16" socket. Insert the nut plate into the opening in the bottom of frame (opening from step 14) to align with upper front drilled hole, tighten the 3/8-16 x 1 1/2" hex bolt and lock washer into upper front drilled hole. Be sure and use loctite red on all bolts before tightening. Tighten all bolts according to torque chart in the General Instruction sheet.

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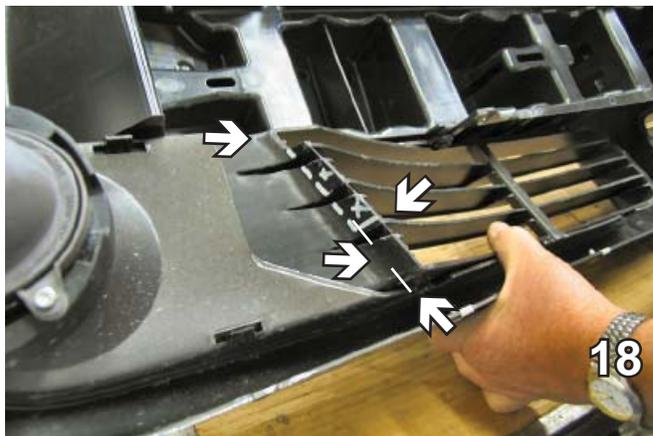
### Installation Instructions



16. Using the baseplate as a template, drill a hole into the bottom of metal bumper with the 13/32" drill bit, both sides. Insert the 3/8" nut plate with the 12" wire into the open end of metal bumper to align with drilled hole, tighten 3/8-16 x 1 1/2" hex bolt and lock washer with the 9/16" socket, both sides. Be sure and use loctite red on all bolts before tightening. Tighten all bolts according to torque chart in the General Instruction sheet.



17. Remove rubber grommet from the front bolt location on the air baffle. Reinstall the air baffle on the passenger's side to its original position, using the existing metric bolt and lower push pin. Slide front bolt location over the top of front bolt of baseplate. Using the 5/16" nut driver and drill, install the #10 x 1 self drilling screw through air baffle webbing and into frame. This will help to stabilize the air baffle. Do not drill into baseplate.



18. Lay fascia face down on a soft surface, so as not to scratch, using the utility knife, cut and remove 1/2" of the outer edge of fascia's opening, both sides.

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19. Remove horn bracket's existing metric bolt on the driver's side from baseplate (installed in step 15). Reinstall horn bracket using the 6MM-1 x 30MM, 6MM lock washer and 1/4" flat washer.

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

20. Hold fascia as close to its original position as possible on the vehicle, mark and cut horizontal rib to allow receivers to come through fascia.
21. The dimensional variations between otherwise identical cars can be considerable. While the baseplate was designed for easy installation, it may be necessary to tailor the baseplate slightly to compensate for auto manufacturers' tolerances. These minor adjustments may include filing a hole slightly, bending electrical rods, adding shims and/ or bending endplates.
22. Install the tow bar and safety cables according to the instructions included in their packages.
23. Do not substitute other devices if the tow bar pin and clip are lost.
24. DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.

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### Installation Instructions

**DEALER or INSTALLER:**  
Be certain the user receives the  
instruction sheets for their products.

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 the contents and packages.

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



### 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 1-800-228-9289 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.



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