



Baseplate Installation Instructions

BX3753

2004 Toyota Scion XB 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.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 or existing hardware specified in the Baseplate Towing Installation Instructions.

Attachment Tab Height: 13 3/4”
Attachment Tab Width: 24”

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



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

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.

BX3753

2004 Toyota Scion XB

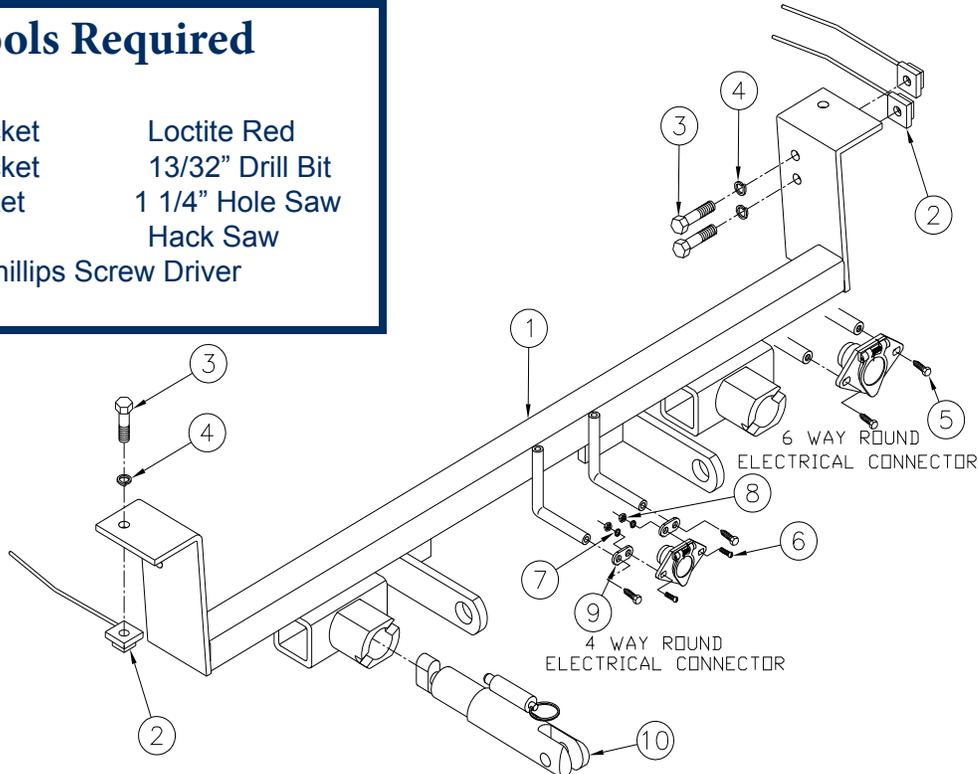
Installation Instructions

Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-5947	Weldment, Base Plate, BX3753
2	6	61-5208	Weldment, Nut Plate, 1/4X1X1, 3/8 Blt 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	62-3468	Att Tab Assy, Rem, SF/SB, 1 Hole
	1	153-0110	Tube, 3/8"Id X 5/8"Od,300Psi,BI/Blk (Not shown)
	2	226-0046	Baseplate Safety Cable, 36" CL III (Not shown)
	4	229-0359	Quicklink, 3/8, ZP (Not shown)
	2	290-0275	8 Inch Nylon Cable Tie (Not shown)
	2	290-0437	Receiver, Cap Plug (Blk) (Not shown)

Tools Required

10MM Socket	Loctite Red
12MM Socket	13/32" Drill Bit
9/16" Socket	1 1/4" Hole Saw
Vise Grips	Hack Saw
Phillips Screw Driver	



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.

BX3753

2004 Toyota Scion XB Installation Instructions

Vehicle Weight:

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

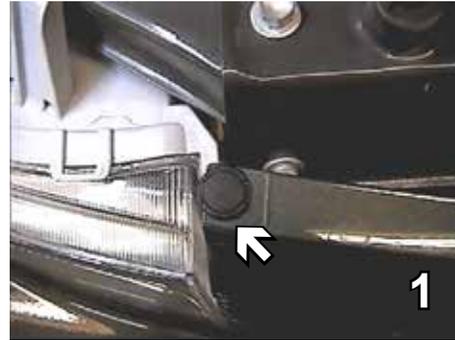
Installation Notes: The front fascia, metal bumper and bumper brackets are removed and reinstalled during installation of the baseplate. Drilling is required. Trimming of the air dam is required.

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 or bending end plates.

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

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

Installation Instructions:



1. Remove the three push pins from the top edge of front grill.



2. Remove two metric bolts from top edge of fascia's tabs with the 10MM socket. Remove one push pin.



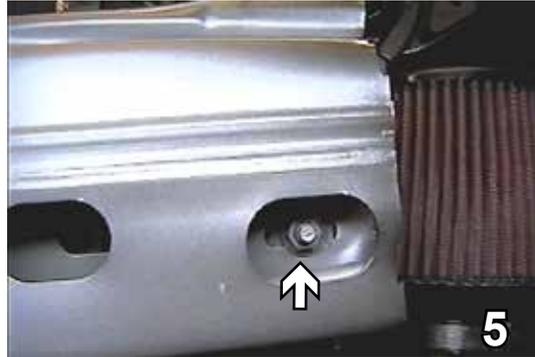
3. Just forward of front tire are two metric bolts, remove lower bolt with the 10MM socket, both sides.

BX3753

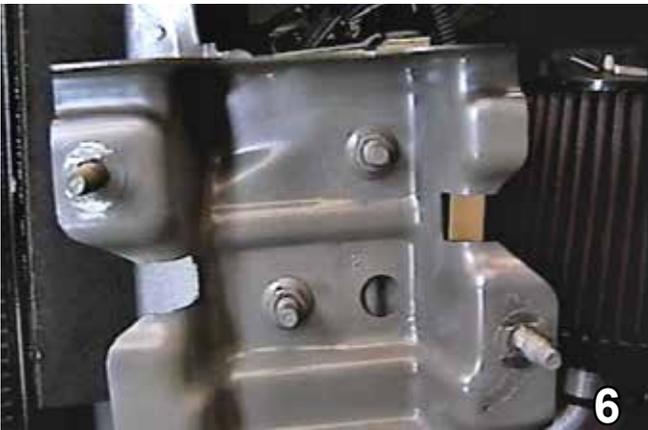
2004 Toyota Scion Installation Instructions



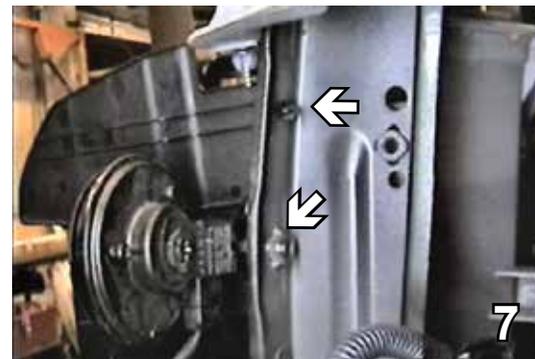
4. Forward of front tires on lower fascia's edge are eight metric bolts to remove with the 10MM socket.



5. Using the 12MM socket, remove four metric bolts from metal bumper, pull metal bumper forward and set aside.



6. Remove two metric bolts from bumper bracket, both sides, pull forward and set aside.



7. Pinch clips together on the back of radiator support and pull air dam forward, both sides and set aside.

8. Make two short cuts in webbing using the hack saw, on radiator support and bend out of the way, both sides. Using the 1 1/4" hole saw, cut a holes in frame ends, both sides. Some models may have a sensor on the driver's side webbing to relocate.



Using a good quality paint, spray cut edges of frame to prevent rusting.

BX3753

2004 Toyota Scion XB Installation Instructions



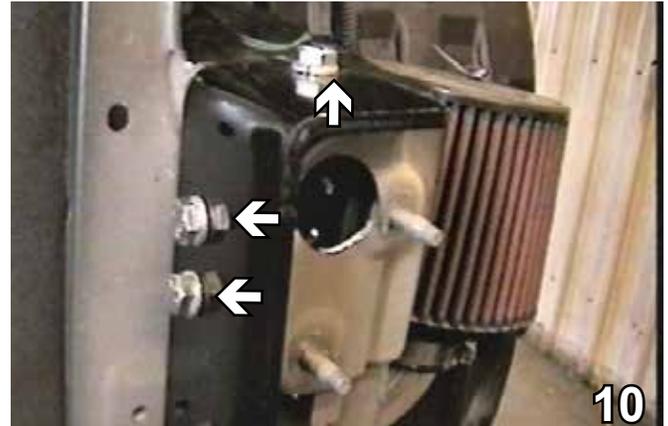
9. Set baseplate on top of frame ends and clamp in place. Baseplate should be firm against the front of radiator support. Using the baseplate as a template drill three holes with the 13/32" drill bit, both sides.

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

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.



11. Wrap the coolant line behind the baseplate with the tubing and two cable ties provided.



10. Insert 3/8" nut plate into frame end to align with drilled holes, tighten 3/8-16 x 1 1/2" bolt and lock washer with the 9/16" socket, both sides. **Be sure to use loctite on all bolts before tightening. Tighten all bolts according to Torque Chart in General Instruction Sheet.**

12. Reinstall air dam (trim air dam as needed), bumper bracket, metal bumper and fascia.
13. The dimensional variations between otherwise identical cars can be considerable. While the location and size of the holes in the baseplate were designed to allow for easy installation, it may be necessary to file a hole slightly to allow a bolt to clear.
14. Install the tow bar and safety cables according to the instructions included in their packages.
15. Do **not** substitute other devices if the tow bar pin and clip are lost.
16. **DEALER OR INSTALLER: BE CERTAIN THE USER RECEIVES THE INSTRUCTION SHEET.**

BX3753

2004 Toyota Scion

Installation Instructions

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

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

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.



Shown with removable tabs installed.

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)
385-2472 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 dam-
age or serious injury. **DO NOT** use the
baseplate if it is damaged or missing parts.



© 2007, 08, 10 Blue Ox
One Mill Road, Industrial Park
Pender, Nebraska 68047
Phone: (402) 385-3051 • Fax: (402) 385-3360
www.blueox.com

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

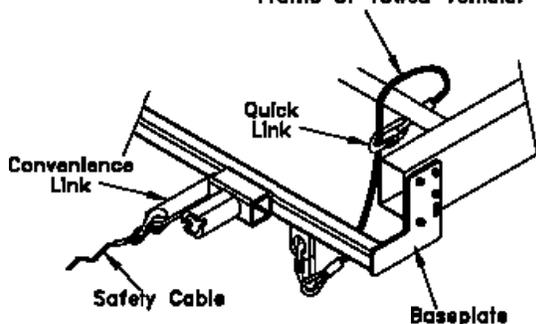
Permanent baseplate safety cables are strongly recommended when towing a vehicle with a tow bar. The principle function of the permanent baseplate safety cables is to prevent the towed vehicle from breaking loose in the event the connection between the frame of the towed vehicle and the baseplate fails 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

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.

