

BLUE OX[®]

Baseplates

BX2522 2006 Mazda 5 Installation Instructions

Serial Number

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

1. 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 or by contacting our 24/7 Customer Care Department at (888) 425-5382.
2. 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 Installation Instructions.

Attachment Tab Height: 12 1/2”
Attachment Tab Width: 24”

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. You can also contact REMCO for additional information at 1(800)228-2481.

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.

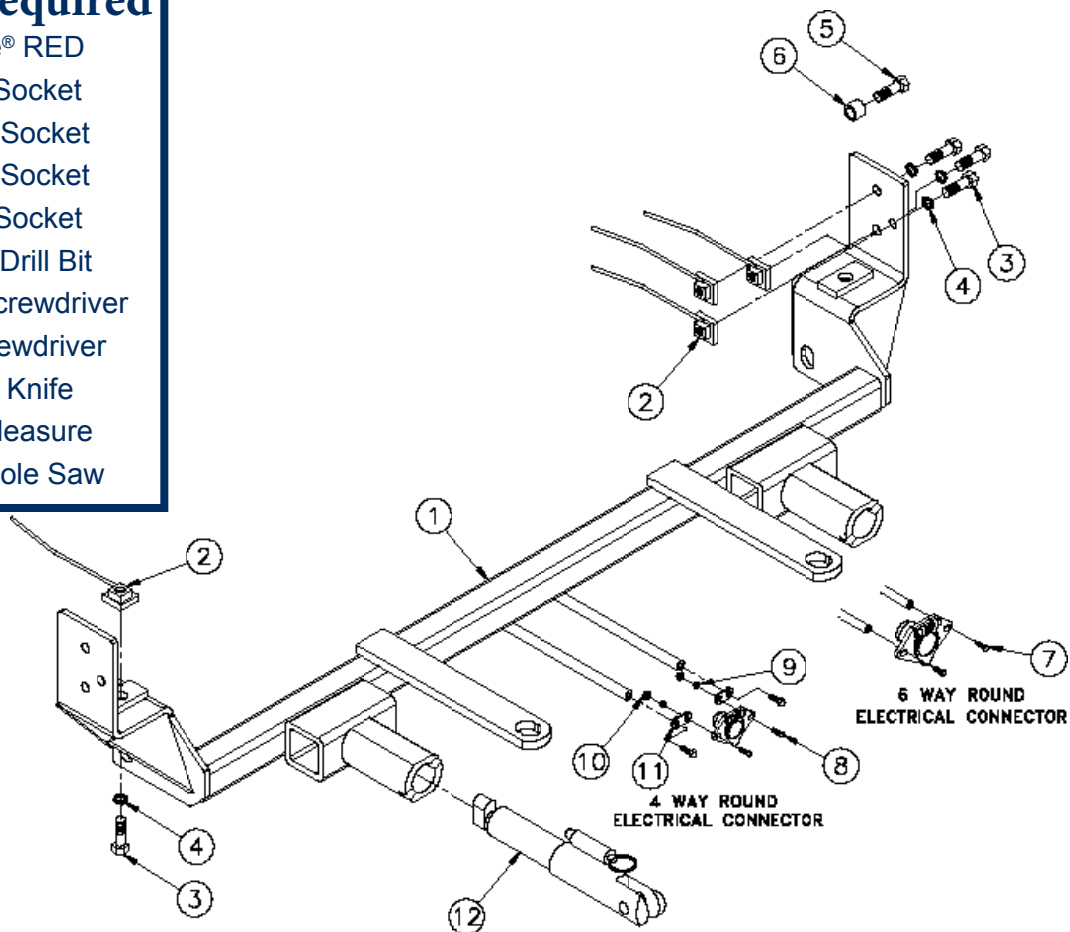
BX2522
2006 Mazda 5
 Installation Instructions

Parts List

Ref. No.	Qty.	Part #	Description
1	1	61-6334	Weldment, Baseplate, BX2522
2	8	61-5208	3/8" Nut Plate, with Wire
3	8	201-0368	3/8-16 x 1 1/4" Hex Bolts, Grd. 5, ZP
4	8	203-0010	3/8" Lock Washer, ZP
5	1	201-0378	8mm-1.25 x 25mm Hex Bolt, ZP
6	1	106-0372	Tube, 3/4" O.D. x .095 Wall x 3/8"
7	2	201-0979	#12-14 x 1" Self Drilling Screw, ZP
8	2	201-0192	#10-32 x 1/2 Slot, Rd. Hd. Screw
9	2	203-0054	#10 Lock Washer
10	2	202-0047	#10-32 Hex Nut
11	2	101-5822	Adapter, 4 Way Connector
12	2	62-3469	Attachment, Assembly, SF/LB (R)
	2	290-0437	Cap Plug, Black (Not Shown)

Tools Required

Loctite® RED
 8mm Socket
 10mm Socket
 12mm Socket
 9/16" Socket
 13/32" Drill Bit
 Phillips Screwdriver
 Flat Screwdriver
 Utility Knife
 Tape Measure
 1 1/4" Hole Saw



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.

BX2522

2006 Mazda 5

Installation Instructions

Attachment Tabs:

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 fascia, foglights, air dams, horn bracket, windshield washer reservoir and temperature sensor are removed for baseplate installation. Trimming of the air dams and grille is required. Drilling 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 two phillips screws from the top of the fascia(see white arrows). Using the flat screwdriver, pry up the on the pushpin tabs on top of the fascia to release and remove them (see grey arrows). Do this to both sides of the vehicle. Set screws and pushpins aside to be reinstalled later.



2. Remove three phillips pushpins from inside the wheel well, just forward of the front tire. Do this to both sides of the vehicle. Set pushpins aside to be reinstalled later.

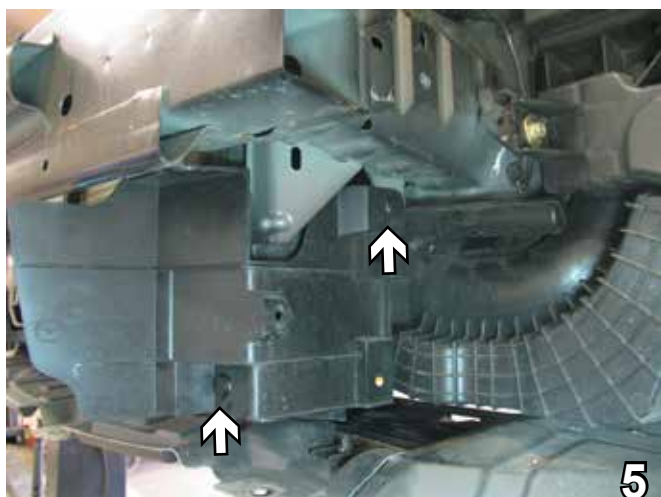
BX2522
2006 Mazda 5
Installation Instructions



3. Pull wheel well cover aside to remove one metric bolt from fascia using the 8mm socket. Do this to both sides of the vehicle. Set metric bolts aside to be reinstalled later.



4. Using the 8mm socket, remove ten metric bolts from the underside of fascia (four each side and two from the center). Pull fascia corners out to release clips and then forward to remove fascia. Disconnect foglights (if applicable). Set metric bolts and fascia aside to be reinstalled later.



5. On the driver's side, remove two pushpins from the air dam. Pull air dam forward to remove. Set air dam and pushpins aside to be reinstalled later.



6. On the passenger's side, remove one pushpin from the air dam. Pull air dam forward to remove. Set pushpin and air dam aside to be reinstalled later.

BX2522
2006 Mazda 5
Installation Instructions



7. On the driver's side, remove one metric bolt from the horn bracket using the 12mm socket. Disconnect electrical. Set horn bracket and metric bolt aside to be reinstalled later.



8. On the passenger's side, remove one metric bolt from the washer reservoir using the 10mm socket. Set metric bolt aside to be reinstalled later.

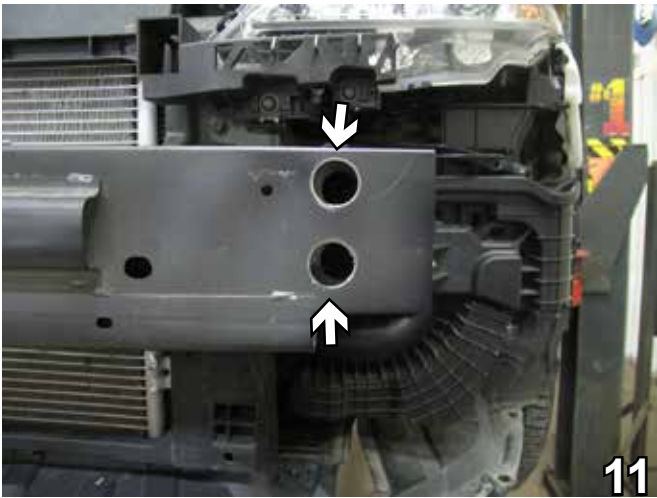


9. On the passenger's side washer reservoir, mark 1/4" in on the reservoir tab and trim away with the utility knife. Reinstall the washer reservoir to its original location.

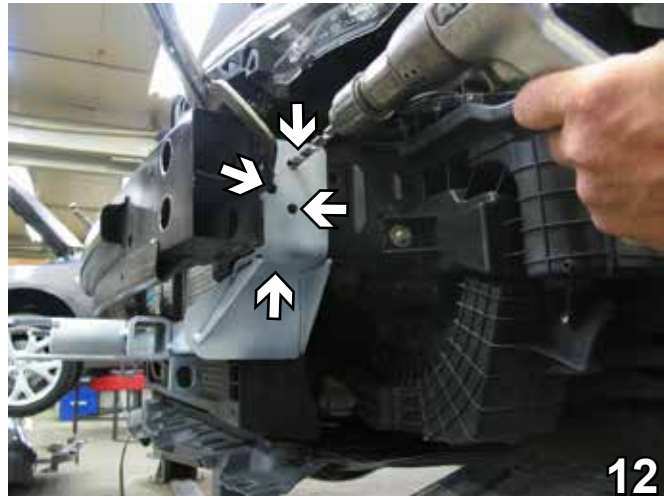


10. Just in front of the radiator, release the clips and disconnect the temperature sensor. Reinstall to existing hole just above original location.

BX2522
2006 Mazda 5
Installation Instructions

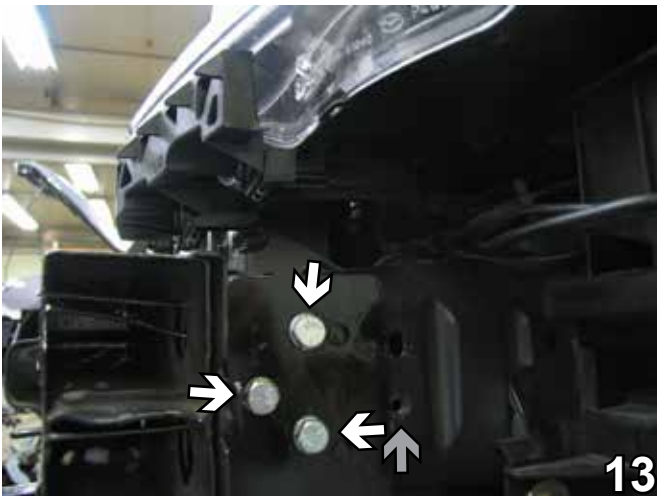


11. Using the 1 1/4" hole saw, drill two holes into the front of the metal bumper to align with holes in the frame rail. This will allow for installation of the nut plates. Do this to both sides of the vehicle



12. Slide the baseplate onto the frame rails as far up as possible and as far forward against the metal bumper as possible. Clamp in place using the vice grips. Using the baseplate as a template, drill four holes into the frame rail (3 on the side and one on the bottom) with the 13/32" drill bit. Do this to both sides of the vehicle.

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.



13. Insert the 3/8" nut plates into the frame rail to align with four drilled holes (see white arrows, lower hole not shown). Starting with the lower hole, install 3/8-16 x 1 1/4" hex bolts and 3/8" lock washers and tighten to nut plates. Do this to both sides of the vehicle. On the driver's side, reattach the horn bracket to its original location using the 3/8" tube and 8mm-1.25 x 25mm bolt (see grey arrow).



14. On the driver's side air dam, mark the area 3 7/8" down from the top edge and straight across the back of the air dam and trim away with the utility knife. Reinstall air dam to its original location.

BX2522

2006 Mazda 5

Installation Instructions



15. On the passenger's side air dam, mark the area $3 \frac{7}{8}$ " down from the top edge and 1" from the back edge of the air dam and trim away with the utility knife. Reinstall air dam to its original location.



16. Hold the fascia up to its original position, mark and trim the grille to allow the attachment tabs and convenience links to come through.



17. Attach the permanent baseplate safety cables to the provided convenience link on the baseplate (see white arrow). The photo above shows the recommended installation of the permanent baseplate safety cables to frame of the vehicle (see grey arrow). If the vehicle has additional options, not shown above, which interfere with mounting the permanent baseplate safety cables, secure the cable to a solid piece of the vehicle's frame as described in the instructions included with the permanent baseplate safety cables.

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

DEALER or INSTALLER:

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

18. Reinstall the foglights, fascia, pushpins, screws and bolts.

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.

BX2522
2006 Mazda 5
Installation Instructions



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® Racing 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 Park and Resort teams. In addition, Blue Ox® customers visiting our factory may take advantage of the well-equipped Blue Ox® RV park at no charge to you, our valued and appreciated customer.



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.

