



# Boss Frog Installation Instructions

## Frog Ribs™ Door Bars

### Introduction

Congratulations! You have purchased one of the highest quality Miata products available today. Installing your new Door Bars involves many steps, but is really not that difficult if you take your time and understand what you are trying to accomplish. These instructions will clearly illustrate the methods we have found to work the best. If something does not fit properly, we would like to know about it, so that we can improve our products. Contact us at [bossfrog@bossfrog.biz](mailto:bossfrog@bossfrog.biz) or see our website at [www.bossfrog.biz](http://www.bossfrog.biz).

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### Safety

The most important factor when installing a Boss Frog product is your personal safety.

- Always use safety glasses while installing the product.
- Use care when operating power tools, and always follow manufacturer's recommendations.
- Beware of sharp metal edges and corners.

**WARNING:** This product is not a safety device, and does not guarantee the safety of the occupant in case of a vehicle accident.

## **Boss Frog Warranty**

### **A. Standard Boss Frog Warranty**

**Boss Frog Inc. (Boss Frog) warrants, in accordance with the provisions below, to the original purchaser for the period of 30 days from the date of delivery of a Boss Frog product, that the product is free from defects in material or workmanship. Boss Frog's obligation under this warranty is to repair or replace, at Boss Frog's election, without charge and at Boss Frog's place of business, any part or parts of the product which, in the judgment of Boss Frog, prove to be defective.**

**THIS WARRANTY AND BOSS FROG'S OBLIGATION HEREUNDER IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, and all other obligations or liabilities of Boss Frog for incidental and consequential damages resulting from the design, manufacture, sale or use of the machine. No person is authorized to make any warranty or assume for Boss Frog any liability not strictly in accordance with this warranty.**

### **B. Purchased Product Warranty**

This warranty does not apply to component parts not manufactured by Boss Frog, except to the extent of their individual manufacturer's guarantees.

### **C. Warranty Limitations and Exclusions**

This warranty shall not apply to any product which, in the judgment of Boss Frog, has been altered or tampered with in any way, or has been subjected to misuse, neglect or accident. This warranty applies only to the original purchaser and may not be assigned without the express written consent of Boss Frog, Inc.

### **D. Product Changes and Improvement**

Boss Frog is continually striving to improve its products, and therefore reserves the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligations to make changes or additions to the products sold previously.

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## **Kit Contents – Double Hoop Models**

### Parts

- (1) Door Bar RH
- (1) Door Bar LH
- (2) Rear Foot Backer Plates
- (2) Mid Foot Backer Plates
- (2) Front Foot Backers

### Hardware

- (12) 3/8x1.5" Hex Hd Cap Screw, grade 8
- (12) 3/8" Hex Nuts, grade 8
- (24) 3/8" Flat washer
- (12) 3/8" Lock Washer
- (2) 7/16-20 x 1.25 Hex Hd Cap Screw
- (4) black trim caps & washers

### **Tools Required**

- Safety Glasses
- US and metric wrenches and sockets;
- 3/8" drill bit
- Drill
- Utility knife
- Phillips screwdriver
- Tin snips or Dremel tool
- Locktite (optional)

### **Guide to the instructions:**

Many people who will install this product do not like to read instructions, but need some general direction on what to do. For these people, we have provided a summary of the steps (in bold) preceding the detailed instructions.

We recommend setting aside some plastic bags or small containers to put fasteners and small parts during disassembly. These parts will be reused during final assembly, and there is nothing more frustrating than not being able to find a part or fastener when you are almost done.

While we supply lockwashers, some people prefer to use locktite – your choice.

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## PREPARE THE CAR

- 1) Level the car. It is very important that the car be level during installation – it does not need to be jacked up.
- 2) Remove the seats.
- 3) Remove the trim on the doorsills.
- 4) Remove the vinyl trim at the rear outside corner of the seat area.
- 5) Remove the lower seat belt attachment bolt on the outer sill of the car.

## INSTALL THE DOOR BAR

- 1) Place the door bar in the car with the lettering and plates facing toward the outside of the car.
- 2) Insert and partially thread the stock lower seat belt attachment bolt through the slotted hole of the door bar and into the threaded hole on the car.
- 3) Slide the door bar rearward, so that the rear foot contacts the bulkhead behind the seats. Note that if a Boss Frog rollbar is already installed, the mounting holes may match the rollbar mounts.
- 4) Check to be sure that the front foot is on the floor and as close as possible to the rocker wall.
- 5) With the door bar in its desired position, mark and drill through the holes on the rear foot.
- 6) Insert two bolts through the rear foot and bulkhead. Reaching up behind the bulkhead from underneath the car, slide the (square) rear foot backers over the bolts, add flat washers, lock washers and nuts, and snug up finger tight.
- 7) With the front feet in the desired position on top of the carpet, mark the carpet around 3 edges of the front foot. Cut the carpet so the flap can be pulled back.



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- 8) Pull the carpet flap back and set the front foot on the metal floor. Be sure the front foot is placed properly, then drill through the holes with a 3/8" drill bit.
- 9) Insert two bolts through the front foot and floor. Reaching under the floor from underneath the car, slide the (large rectangle) front foot backers over the bolts, add flat washers, lock washers and nuts, and snug up finger tight.
- 10) Drill center foot mounting holes and repeat the previous steps to cut the carpet (if necessary) and add the bolts and small backers under the floor.
- 11) Tighten all the hardware, including the seatbelt mounting bolt.



### **REASSEMBLE THE CAR**

- 1) Some trimming of the rear vinyl trim may be necessary to fit around the door bar. You can use a tin snips, utility knife, or dremel tool to accomplish this.
- 2) Reinstall the doorsill and vinyl trim behind the seat.
- 3) Reinstall the seats.
- 4) Enjoy your new door bars, and thanks for buying Boss Frog!



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