

# Boss Frog Installation Instructions

## Double Hoop Rollbar for MGB

### Introduction

Congratulations! You have purchased one of the highest quality rollbars available today. Installing your new rollbar 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).

### Table of Contents

Safety.....	1
Warranty.....	2
Contents of Kit.....	3
Tools Required.....	3
Install the Rollbar.....	4

### Safety

The most important factor when installing a roll bar is your personal safety.

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

**WARNING:** This product does not guarantee the safety of the occupant in the case of a rollover or other vehicle accident. This rollbar has been designed and tested following the intent of the SCCA and FIA rollbar guidelines, but has not undergone automotive industry testing. The owner assumes the responsibility for proper mounting and padding of the rollbar. Always wear your seatbelt and follow safe driving practices.

## **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.

**WARNING:** This product does not guarantee the safety of the occupant in the case of a rollover or other vehicle accident. This rollbar has been designed and tested following the intent of the SCCA and FIA rollbar guidelines, but has not undergone automotive industry testing. The owner assumes the responsibility for proper mounting and padding of the rollbar. Always wear your seatbelt and follow safe driving practices.

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

### **Parts**

- (1) Rollbar Assembly RH
- (1) Rollbar Assembly LH
- (1) Rear Foot Backer Plates
- (4) Front Foot Support Backer Plates
- (2) Fender Foot Backer Plates

### **Hardware (Black)**

- (14) 3/8" x 1.5" GRD 8 bolts
- (14) 3/8" Flat Washers
- (14) 3/8" Lock Washers
- (14) 3/8" Hex Nuts GRD 8
- (2) 3/8" fender washers

### **Tools Required**

- Safety Glasses
- Metric wrenches and sockets;
- US wrenches and sockets;
- 3/8" drill bit
- Drill
- Tin snips or aviation shears
- Flat and round file
- Floor Jack and jackstands (4)

### **Guide to the rollbar installation and instructions:**

Many people who will install these rollbars 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. Most of 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.

Also, there will likely be items on the car that may need adjustments, which are not specifically mentioned in these instructions. Wiring routing and ties, connectors, rubber plugs, excessive undercoating or caulk, or other items may need to be removed or modified to fit the rollbar in place.

**WARNING:** This product does not guarantee the safety of the occupant in the case of a rollover or other vehicle accident. This rollbar has been designed and tested following the intent of the SCCA and FIA rollbar guidelines, but has not undergone automotive industry testing. The owner assumes the responsibility for proper mounting and padding of the rollbar. Always wear your seatbelt and follow safe driving practices.

## INSTALL THE ROLLBAR

- 1) **Lower the top frame, allowing the vinyl to drape over the trunk lid.**
- 2) **Slide and tilt the seats forward as far as possible.**
- 3) **Remove the carpet.**
  - The carpet on the rear fenders, the rear deck, and the vertical wall behind the seats should all be removed. There may be several small phillips screws holding this carpet in place. Also fold under the carpeting on the floor behind the seats, so that you can access the metal floor panels more easily. Also remove the battery cover and cover the battery with a towel or rag, to prevent accidental contact with the terminals. Vacuum or clean up any loose insulation or debris.
- 4) **Set the hoops in place.**
  - a) Carefully set the hoops in place behind the seats. The easiest method is to tilt the hoops forward while putting the main hoop feet on the floor, then lean the hoops rearward into position.
- 5) **Position the hoops.**
  - a) The rollbar feet will generally not fit perfectly due to slight variations between MGB bodies. The outer hoop feet are the most critical, so should be positioned first. Place the outer hoop feet flat on the floor, against the vertical back wall, and all the way toward the outside of the vehicle. Don't worry if the other feet don't line up quite right at this time.
  - b) With a 3/8" drill bit, drill down through the holes in two outer hoop feet, through the floor.
  - c) Looking underneath the car, the new holes should be between the leaf spring brackets underneath the car.
  - d) Insert a 3/8" bolt through each of the outer hoop feet, and thread on an oversize washer, lockwasher, and nut from underneath. Only tighten finger tight at this time.
  - e) Position the hoops so they are nearly symmetrical, with the rear feet in alignment with each other.
- 6) **Drill the remaining feet.**
  - a) Drill one pair of holes through each of the fender feet. Generally, we recommend that you drill through the holes on the side that is furthest from touching the fender. Insert 3/8" bolts into these holes, and through the fender. Position a backer plate over the two bolts from inside the fender, then thread a flat washer, lockwasher, and nut on each bolt. Tighten these fasteners fairly tight using 9/16" wrenches.
  - b) There are three holes in the rear feet area, one in each foot, and a combined hole between the two feet. Make sure the feet are in alignment with each other, and then drill all three holes. Insert 3/8" bolts through each of the three holes.
  - c) Position the rear backer plate over the three bolts, and attach with flat washers, lockwashers, and nuts. The rear



**WARNING:** This product does not guarantee the safety of the occupant in the case of a rollover or other vehicle accident. This rollbar has been designed and tested following the intent of the SCCA and FIA rollbar guidelines, but has not undergone automotive industry testing. The owner assumes the responsibility for proper mounting and padding of the rollbar. Always wear your seatbelt and follow safe driving practices.

backer plate and fasteners can either be inserted through the battery opening (for those with a long reach), or from underneath the car. If you choose to crawl underneath the car, be sure to use jackstands and support the car firmly before positioning yourself underneath.

- d) Now you can drill the other pair of holes through the fender feet, and attach with backer plates and fasteners as above.
  - e) The inner hoop feet are the least critical, and get drilled last. It is not critical that these feet be positioned against the back wall. Only the holes through the floor need to be drilled – do not try to drill through the holes toward the vertical wall. Attach the inner hoop feet with a backer plate and fasteners as noted above.
- 7) **Tighten up all the fasteners.**
- 8) **Replace and trim the carpet.**
- a) Place the carpet pieces back into place. The carpet will need to be trimmed wherever the hoops now protrude through. Trim carefully – take your time. If you cut too much, you cannot put it back. Always cut smaller than you think is needed, and gradually increase the size of the hole until it fits well.
  - b) **Enjoy your new rollbar.** Thanks for buying Boss Frog.



**WARNING:** This product does not guarantee the safety of the occupant in the case of a rollover or other vehicle accident. This rollbar has been designed and tested following the intent of the SCCA and FIA rollbar guidelines, but has not undergone automotive industry testing. The owner assumes the responsibility for proper mounting and padding of the rollbar. Always wear your seatbelt and follow safe driving practices.