

# Carl Miles Heel Guard™

## Installation FOR METRIC CRUISER'S RIDER FOOTBOARD

### TOOLS SUGGESTED

Drill, 1/4" Drill Bit, Center Punch, 7/16" Wrench, 5/32" Hex Key (included), Needlenose Pliers, Fine Point Marker

### PROCEDURE FOR INSTALLATION ON METRIC CRUISERS

AVERAGE TIME: 30 MINUTES

The Heel Guard™ can be installed on virtually any Metric Cruiser. It can be mounted to the upper or lower (preferably the lower) surface of the footboard base depending on the shape of the footboard casting and the design of the rubber pad. The fore and aft location of the Heel Guard™ depends on both the design of the board and the end user's preference; move it forward to assist in keeping the foot in place, move it back to allow more room on the board.

The installer and end-user will have to evaluate each particular board to determine the best way to proceed.

In the instructions that follow, we have outlined a representative example of both the upper and lower installation and addressed many of the possible situations that could arise.

### GETTING STARTED...

Determine if the Heel Guard™ should be mounted on the upper or lower surface of the footboard base. Here are some things to keep in mind when making the decision:

- Remove the rubber pad if necessary to help determine the ideal mounting location.
- Be sure that once installed, the Heel Guard™ fasteners will not interfere with the hardware used to attach the footboard to the motorcycle.
- It may be necessary to trim the bottom or edge of rubber pad slightly or to grind away material from the edge of the footboard base to allow clearance for the Heel Guard's mounting bracket. Keep this in mind when selecting the mounting location.
- We have included screws, washers, and nuts to cover most possible applications. However, certain cases may need additional fasteners that can be easily found at a local hardware store.

### PROCEDURE FOR LOWER SURFACE MOUNTING

**STEP 1** Hold the Heel Guard™ in position on the lower surface of the footboard base, align the rod with the inside edge of the footboard and mark the outline of the bracket.

If the footboard has a lip around the bottom edge that keeps the bracket from sitting flat against the bottom of the board, there are two options:

- Use the included flat washers and/or lock washers as a spacer between the Heel Guard™ bracket and the footboard. If the lip is quite tall, additional spacers, not supplied, may be needed to raise the bracket enough to clear the lip.
- Use a grinder to remove a section of the lip to create a channel for the leg of the bracket thereby allowing it to sit flat against the footboard base.

**STEP 2** Remove the footboard from the motorcycle and remove the rubber pad if it has not already been removed. If so decided, grind off the lip along the edge of the footboard base at this time. Remove only as much material as needed to allow the Heel Guard™ bracket to sit flat against the footboard base.

**STEP 3** The Heel Guard™ bracket has two possible mounting holes; only two will be used. Hold the Heel Guard™ in position and mark two holes.

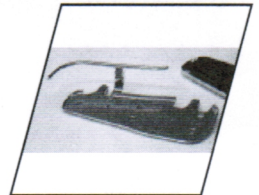
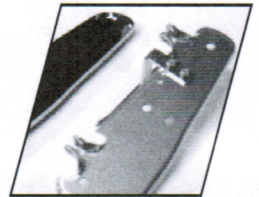
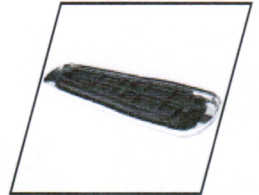
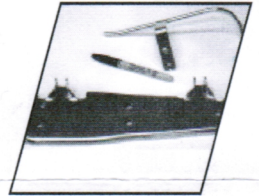
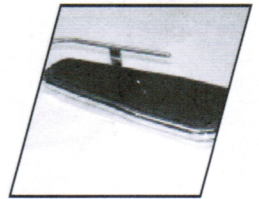
**STEP 4** Center punch the marks and drill 1/4" holes.

**STEP 5** Secure the Heel Guard™ to the footboard. Insert the button heads from the top of the footboard base and place any necessary spacers between the bracket and board. We have provided two 1/4"—20 x 5/8" and two 1/4"—20 x 1" button head cap screws; use the length that best suits the specific application along with two 1/4"—20 nylock nuts.

**STEP 6** Reinstall the rubber pad and re-attach the footboard to the motorcycle.

**NOTE** For safety, always wear boots. If shoes are worn, tuck in shoe laces.

1 Hardware Kit containing the following
2 1/4"-20 Nylock Hex Nut - Stainless
2 1/4"-20x1" Button Head Cap Screw - Stainless
2 1/4"-20x5/8" Button Head Cap Screw - Stainless
2 1/4" Flat Washer
1 5/32" Hex Key
1 Instruction Sheet



U.S. Patent 6,626,448  
U.S. Patent 7,017,932

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