

## DIY SARGENT HEATED SEAT KIT (AC-DIYHEAT-03)

### **Important:**

Read **ALL** instructions before proceeding with installation. This product is not intended to be used in any other manner other than stated in the enclosed instructions.

### TOOLS REQUIRED:

Marker  
Knife or scissors  
3/8" (9mm) drill bit  
Drill  
Pliers  
Sharp metal punch, pick or awl  
Electrical tape \*optional

### **Warning:**

Do not connect this heat pad element directly to the motorcycle power source. This heat pad element has a specific resistance and construction that is designed to perform optimally with the **Sargent Advanced Heat Controller** power output parameters. Substitution of other non-Sargent brand components, other heat control units, or installed unregulated, will void the warranty. In addition, use of non-Sargent components or direct wiring, can result in component failure, overheating, damage to other equipment and/or injury to the user due to excessive heat.

### PARTS INCLUDED WITH THIS KIT:

<b>Pkg #1</b>	
Adhesive Heat Pad Element	Qty 1
<b>Pkg #2</b>	
Rubber Grommet	Qty 1
Dual Wire Plug 30" long	Qty 1
Splice taps	Qty 2
80 grit Sandpaper Sheet	Qty 1
<b>Pkg #3</b>	
Sargent Advanced Heat Controller with instructions	Qty 1

**NOTE:** This product requires removal and reinstallation of the seat upholstery. While removal of the upholstery and heat pad placement can be easily done with simple tools, we recommend **reinstallation** of the upholstery be performed by an experienced upholstery shop, as this *typically* requires special equipment including a pneumatic staple gun. **Button Fitted Seats**—If your seat has buttons, extreme caution and special consideration must be given to heat pad placement, button placement and reinstallation—professional installation is highly recommended.

### Pre-installation:

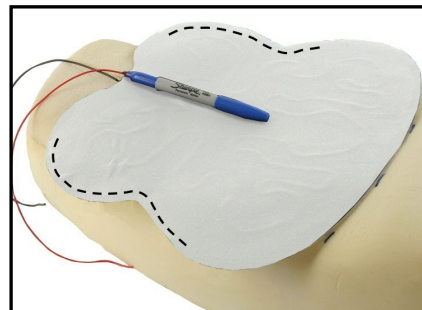
**To protect your seat from damage during installation, use a towel or other soft material on your working surface.**

1. Remove seat from motorcycle and place on protected working surface upside down. Carefully remove upholstery completely away from area to be heated and gently separate foam from the seat pan near the front of the main seating area to be heated.

**Helpful hint:** Use a small flat blade screw driver or awl (such as an ice pick) to pry the staples up and then pull them out with pliers.

### Dry Fit the Heat Pad:

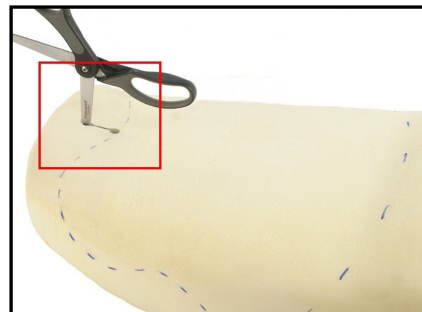
2. Notice the contours designated by the dotted lines on the image (right). These contours are designed to allow the pad to better conform to the front neck and inner thigh area of motorcycle seats. Experiment with the best overall placement and fit. **DO NOT TRIM HEAT PAD.** Once the location has been determined, mark around the pad with a marker.



### Create a Slit in Foam for Wire Splice Connectors:

3. Based on the location predetermined in **step 2**, and as illustrated by the red square (right), make a small slit about 1/4 inch deep and 1 inch long into the foam with a knife or scissors to accommodate the wire splices. (see image right).

**IMPORTANT:** The purpose of the 1/4 inch deep slit is to recess the wire splice connectors below the foam surface. **It is critical that the connector portion of the wires lay horizontal in the slit.** (see Step 7)



### Drill Hole in Seat Pan:

4. Choose the location on the bottom of the seat base pan best suited for the heat wire to exit the seat. This location should be toward the front of the seating area, near where the heat pad wires will exit the foam.

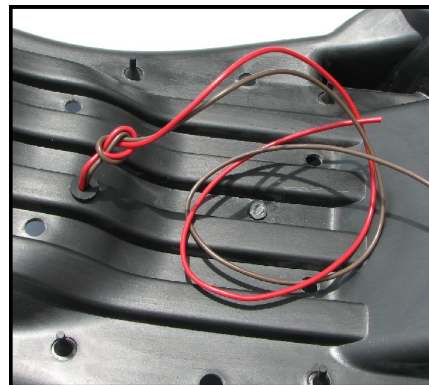
**IMPORTANT:** Choose a location that will not allow the wires to be pinched by other under-seat components or frame when the seat is installed.

5. Drill a 9 mm or 3/8 inch hole at the yellow square location (right) and install rubber grommet included in Pkg #2.



### Thread Wires:

6. Thread both wires of the plug provided in Pkg #2 through the pan from the bottom so they will meet the wires for the heat pad. Tie a knot, as shown on image (right), on the wires near the hole where the plug's wires exit the seat pan to prevent pulling or damage to connections once seat is re-assembled.



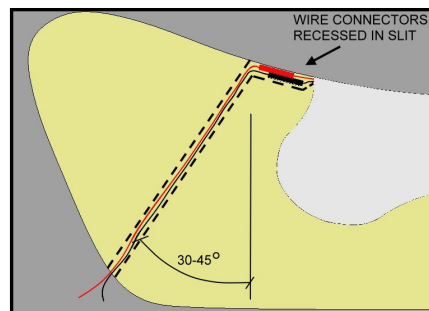
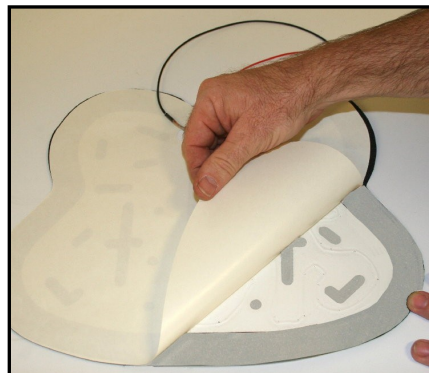
### Install Heat Pad:

**HELPFUL HINT:** Use a wire (such as a coat hanger) to create the hole for the lead wires from the top to the bottom of the foam and push it through the foam. It may also be helpful to fashion a hook at one end to pull the wires through the hole.

7. Install heat pad on top of the foam by peeling paper backing from the adhesive on the reverse side of the heating pad. Gently press into place to insure adhesion. Lay the wire splice connectors horizontally in the slit created in step 3. Use sharp punch, scissor blade, stiff wire, or similar tool to create a hole for the wires at the front of the slit and down through the foam.

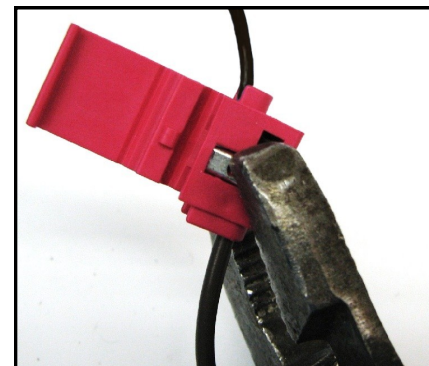
**IMPORTANT:** Do not angle the routing hole straight down. The hole must be angled a minimum of 30 degrees to vertical as shown (image right).

**OPTIONAL:** On some seats and upholstery configurations, the heat pad foam and/or element wires may be visible through the upholstery. If this is the case, use the included sandpaper to lightly sand the high points on the heat pad foam surface (cased by the heat element wire). Use caution not to sand all the way through to the wire element. In addition, the sand paper can be used to "blend" or "feather" the edges of the heat pad foam to diminish visibility once the upholstery is installed.



### Connect the Wires:

8. Using red splice taps included in Pkg #2, join the black wire of the connector plug in the pan to one of the black wires on the heat pad by inserting the end of the wires into the splice tap. Using a pair of pliers, pinch the aluminum tab on the splice tap closed to secure the wires in place and snap closed the cover to prevent shorting. Repeat this process for the red and remaining red wire. Ensure no bare wires are exposed by wrapping with electrical tape if necessary. Tuck connections and wires away from metal hardware between the seat pan and the foam.



**Test Fit:**

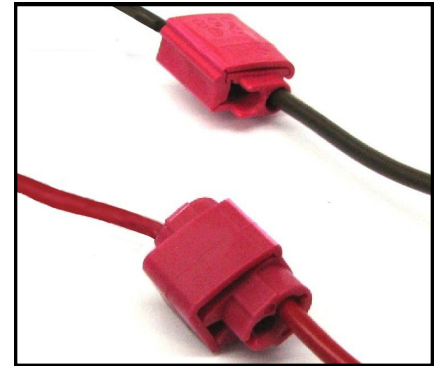
9. Test fit seat on the motorcycle to ensure the wires you have installed are not being pinched when the seat is in place.

**Reinstall seat cover:**

10. Re-install seat cover. Professional installation recommended.

**Wire and Install the Sargent Advanced Heat Control Unit:**

11. Refer to Pkg #3, "Heated Seat Wiring Instructions" to complete the heat control unit installation.



**NOTE:** The **Heat Control Unit** may be mounted via the included Velcro anywhere on the motorcycle for easy visual and operational access. You may also visit [Sargentcycle.com](http://Sargentcycle.com) for a variety **Handlebar Heat Control Mounting Bracket** options.

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**LIMITED WARRANTY**

Sargent Cycle Products, North America (Sargent), warrants to the original consumer purchaser that this product sold and manufactured by Sargent shall be free from defects in workmanship and materials for the period of one (1) year from the date of purchase. Within this period, Sargent will, at its sole option, repair or replace any component that fails during normal use. Such repairs or replacement will be at no charge to the consumer provided that the consumer shall be responsible for shipping or transportation costs to the service facility. This limited warranty does not extend to any products which have been damaged as a result of accident, misuse, abuse, normal wear and tear, acts of God or other circumstances beyond Sargent's control, including loss or damage in transit by a carrier, or as the result of service or modification by anyone other than Sargent. This limited warranty also does not extend to products sold, but not manufactured by Sargent. For products sold, but not manufactured by Sargent, the consumer shall refer to the manufacturer's warranty terms and conditions.

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Warranty claims should be directed to :  
Sargent Cycle Products, 1036 Hubbard Street, Jacksonville FL, 32206, 904-354-4531

**LIMITATION OF LIABILITY**

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(Revised 09/13/10)