

# SADDLEMEN®

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## USER GUIDE & INSTALLATION INSTRUCTIONS

DESCRIPTION: Seat Heater - Universal Installation

### CONTENTS / PARTS INCLUDED:

Qty	Item	Qty	Item
1	Carbon Fiber Element	1	Illuminated Hi/Low Switch with mounting plate
1	Wiring harness	1	5-Pin Automotive Relay
5	Tie Wraps	1	Instructions

### IMPORTANT:

Please read these instructions completely before starting installation. All "NOTE," "CAUTION" and "WARNING" notations are serious safety issues and should be read carefully. Possible injury to riders or damage to the motorcycle and/or accessory may result if improperly installed.

### NOTICE TO DEALERS:

These instructions contain important information for future reference and should be given to the customer.

### ⚠ WARNING:

READ THESE INSTRUCTIONS THOROUGHLY BEFORE INSTALLATION!

Because of the variety of motorcycle configurations, other accessories, and the features and intended use of this Saddlemen accessory, there are many different mounting options. You are responsible for the proper installation of this accessory on your motorcycle. Your attention to these installation instructions and recommendations will permit safe and proper use of this accessory. You must mount this accessory properly and securely before riding your motorcycle. If you lack the ability to safely and properly install this accessory, seek out a qualified motorcycle technician for assistance. During installation, support the motorcycle with a suitable stand or lift so it will not tip over and injure you, or damage the vehicle. Using or mounting this accessory improperly could result in a loss of control of the motorcycle which could result in damage to your motorcycle or other personal property, the property of third parties, and/or personal injury to yourself or others, up to and including death.

BE SURE TO THOROUGHLY READ AND CLOSELY FOLLOW THE MOUNTING INSTRUCTIONS THAT ARE INCLUDED WITH THIS ACCESSORY:

- For your safety, mount the accessory securely so it will not shift or move while riding. Make sure the accessory will not contact the controls or any other moving parts of your vehicle.
- If this accessory is ever damaged, do not use it until inspected by a professional motorcycle dealer. Replace immediately if it has damage that will prevent it from being properly secured to your vehicle or if it will not securely function as intended.
- If you do not understand the mounting instructions or this warning label DO NOT mount this accessory. Contact your local professional motorcycle dealer for assistance, or call the Saddlemen support line at (310) 638-1222.

DO NOT ATTEMPT TO USE THIS ACCESSORY IF:

- You do not understand these installation and use instructions.
- You do not understand any part of the accessory mounting system.

If you have any doubts as to your abilities to install this seat and heating element, please see your authorized motorcycle mechanic for installation.

If you have any concerns or questions, seek help at your qualified motorcycle dealer or call the Saddlemen support line at (310) 638-1222.

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## **! WARNING:**

Remember: Motorcycling can be a dangerous activity. Installation of any accessory can increase your risk if it is not installed properly. You are responsible to install this accessory so it will not contact any portion of the drive train, suspension or steering, or if it will in any way interfere with the operation of your motorcycle.

To avoid injury, install while engine is cold. The battery terminals should be disconnected in advance, before working on the motorcycle's electrical circuit. When appropriate, the security codes (radio, navigation system, etc.) should be noted.

### **SEAT HEATER USE WARNINGS**

- Seat heaters must not be installed on motorcycles that will be used by riders who cannot sense heat and/or are sensory compromised, due to a risk of thermal burns.
- If you install any luggage or bags onto the passenger seat, you must turn off the passenger seat heater, due to a risk of damage to your luggage or seat.

## **NOTE:**

DO NOT cut the heater element. Cutting will render it useless.

Retrofitting a seat heater into an existing saddle requires removal of the seat cover, carving or hollowing out a pocket in the seat cushion for the wiring and switch, installing the element and reinstallation of the seat cover. If your seat cover does not have at least a ¼" of foam sewn onto the backside of the seat cover, it is required that you apply a minimum of ¼" thick layer of foam between the heating element and the seat cover. This will provide some thermal insulation from the heat element and hide any mismatches between the element and the seat cushion.

Though this product can be installed in many configurations, it's intent is to have the element and switch mounted in the seat and the main wiring harness to be mounted to the bike so that you can remove the seat easily by unplugging the harness.

This product is not designed for an over-the-cover mounted installation.

The following procedure assumes you are familiar with seat cover installation.

## **INSTALLATION:**

1. Remove the seat assembly from the motorcycle, noting how to reinstall the seat.
2. Remove the original cover from the seat base plate or pan. The cover is usually secured to the pan by one of four methods:
  - Steel hooks: With a screwdriver, open each hook to an angle of about 45° degrees to the pan. When all have been opened, pulling toward each hook point can easily pull the cover free.
  - Staples: With a flat screwdriver and pliers, first pry up each staple, then remove with the pliers. A staple gun will be needed to reinstall the seat cover.
  - Speed nuts: Remove speed nuts with a screwdriver or nut driver.
  - Rivets: With a power drill, drill out the centers of each rivet and then push the rivets out. You will need to purchase new rivets when reinstalling your seat cover.
3. Carefully remove the cover from the foam cushion. Some motorcycle seats will have the cover glued to the foam; in these instances, slowly separate small sections of the cover from the foam to prevent damage to the foam. If the cover is not glued it will be removed quickly and easily.
4. If damage is encountered during the removal of your cover it must be repaired before the new cover is installed.
  - Major repair requires the damaged foam to be cut out and replaced by new foam. The new foam should be firm; similar to the original seat foam. New foam is available at most upholstery shops or a seat repair kit, Saddlemen part number F699, with instructions, is available where you bought this heater.
  - The new foam must be cut to the shape of the foam removed and then glued in place, with contact cement; 3M Super 77 Spray Adhesive, or equivalent, is recommended. Using a sawing motion with a knife, electric carving knife, razor blade or hacksaw blade can easily shape the foam. Carve the foam first to fit the damaged area then glue it into position. Finally carve the surface to match the seat contours. Remember, a thin foam inner liner will hide minor imperfections.
5. Locate an appropriate switch location on the left is of the seat foam preferably lower on the foam. Cut out enough foam for the switch and wiring for the switch.
6. To power the heater, you will need to drill a hole in the baseplate of your motorcycle seat, for the wiring to exit. Choose the desired location and with a ¼" drill bit, drill the hole completely through the baseplate and into the foam approx. ¼" to mark the exit location on the foam.

## INSTALLATION *(continued)*

7. The heater element should be located in the seating area that the rider is most comfortable sitting in. This is usually close to the rear section of the seating area for both the driver and passenger. Place element in area and trace the element outline onto seat foam.
8. Cut hole through foam to chase element wiring to bottom of foam.
9. Noting the wire exit location on the foam bottom mark out how to route the wiring harness keeping the element and switch locations in mind, then remove foam as necessary to securely house the harness in the foam. While running the wire harness you have to pay attention, that the wire cannot be cut, squeezed or damaged in any other way. Be sure to run the red & black portion of the harness through the baseplate leaving plenty of wire on the bottom of the baseplate so that seat can be wired to the motorcycle afterwards.
10. Permanently run the element wire to the wiring harness and connect securely.
11. Install the seat heater switch temporarily into the seat foam. Ensure that the wire harness will reach the switch and the wires aren't obstructed by the seat structure and supports.
12. Remove switch from foam and set aside.
13. If your seat cover does not have at least a ¼" of foam sewn onto the backside of the seat cover, spray the cushion and heater element with contact adhesive and cover with ¼" inch open cell foam. Trim as needed.
14. Stretch cover over foam so to mark cover for switch. Be sure to stretch cover as if it will be fastened to the bottom of the pan prior to marking switch hole. Do not cut yet-- just mark the location using a ball point pen or magic marker.
15. Remove round switch from switch plate
16. Unscrew the 4 hex fasteners from switch plate, to separate the front from the back-up plate.
17. Locate the switch marking on the cover. Align the center of the front plate over the mark paying attention of the orientation of the plate. With an awl or other sharp tool, punch the 4 holes for the hex fasteners and install the hex fasteners on the faceplate. Sandwich the seat cover with the backup plate, then attach the nuts and tighten the assembly.
18. Cut a small hole in the middle of the switch plate and reinstall the round switch, paying attention to the orientation of the switch.
19. It is recommended that the cover be placed in the sun or warmed with a heat gun to make the cover stretch more easily. This makes the process of removing wrinkles easier to accomplish.
20. Refit the seat cover and connect switch securely to the wiring harness.
21. Push excess switch wiring and back of switch into the hole and staple or rivet the seat cover onto the seat base.

### Seat Heater Wiring

There should be two wires coming out from the bottom of your seat- one Ground (black) and one Positive (red). Connect the Positive wire to the power source on your motorcycle. This can be directly to your battery's Positive (+) terminal, or spliced into a wire or connection that is powered only when the motorcycle's ignition is turned on. Most motorcycles' owner's manuals have a wiring chart you can refer to. Connect the Ground wire to your battery's Negative (-) terminal. Make sure that all connections are protected from shorting, and that any extra wire length is neatly wrapped and does not interfere with the seat installation to the motorcycle.

## IMPORTANT:

After 50 miles (80 kilometers) of riding, recheck the seat's mounting to make sure it is still secure. Inspect all of your accessories and related hardware before and during each ride. An improperly mounted seat can interfere with the vehicle's operation and cause an unsafe riding condition.

## LIMITED WARRANTY POLICY

**SADDLEMEN LIMITED ONE-YEAR WARRANTY** Saddlemen warrants its products for defects in materials, design or workmanship for a period of one year after retail purchase. Items that are defective will be repaired or replaced by Saddlemen at its sole discretion. Damage caused by improper use or improper installation is not a defect; therefore repair, replacement or shipping of a damaged accessory will not be covered under this warranty. This limited warranty contains other provisions and conditions, so please refer to the Warranty Policy that was provided with your seat heater or visit [www.saddlemen.com](http://www.saddlemen.com) for additional information. You can count on Saddlemen's quality, innovation, service and style. If for any reason you are not satisfied with the performance of your Saddlemen seat heater, please contact the Saddlemen support line at (310) 638-1222.

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