

Seat Heaters

Universal: Dual Temperature
Mini-Pad: Easy-Install Wire System

SH-W2-00

Universal Mini-Pad Installation Instructions

THE PACIFIC HEAT MINI-PAD SYSTEM was designed to be easily installed with readily available tools. The New Design allows installation into 99% of current seat designs. The Round LED Rocker Switch emits Red (High) and Green (Low) for temperature settings.

Special Mini-Pad Feature:

*Pacific Heat Mini-Pads are designed to be trimmed down the Center to easily accommodate any Vertical Center Listings styles. Popular models which feature this center listing style are the Toyota Camry, Sienna, Venza, Nissan Altima, Chevy Equinox etc.

Mini-Pad components list

2 x Mini-Pads with full face adhesive backing (10"W x 8"L)
1 x LED dual temperature rocker style switch. (21mm or 13/16" diameter)
1 x Central wiring harness with a detachable set of power lead wires
1 x 10 amp fuse with fuse holder
5 x Quick-lock zip ties

Warranty: 3 years of 36,000 miles (60,000kms) whichever occurs first.
Refer to warranty sheet for additional details.

WARNING:

*Seat heating systems must not be installed into a vehicle which will be operated by a paraplegic or any other occupant who cannot sense heat!!

Please verify that the Mini-Pads fit within the area of the listing attachments prior to the installation of the Seat Heater System. We do not accept any responsibility for damage or injury to the vehicle or its occupants caused by the use of this information. Improper installation may result in a Seat Heater System or vehicle malfunction, component damage, and/or personal injury.

GENERAL ADVICE:

- The Seat Heater **MUST** be installed under the seat cover. Make sure there is adequate clearance of 1” inch between listing locations for Mini-Pad elements to be installed.
- Occupant Classification Systems (OCS) classifies occupants of automotive seats based on weight. This is an integral part of Advanced Side Impact Air Bag systems.
- If the passenger side seat bottom or backrest is equipped with an OCS sensor Do Not install Mini-Pads over top of these sensors. It may result in an inaccurate weight reading to the Restraints Control Module (RCM) and compromise the safety of the seat’s occupant. (See Page 3 for Options)
- There are three distinct styles of passenger side OCS units. (1) A flat surface mounted visible unit and located on top of the foam core. (2) A bladder style weight/pressure sensor located between the foam core and the metal seat pan under the seat. (3) Sensors located under the passenger side seating rails.
- When installing any aftermarket “add-on” accessory to a passenger side seat equipped with an OCS sensor it is imperative that the seat be Recalibrated or Zeroed by an authorized franchisee of the manufacturer of the vehicle.
- The installation of a Mini-Pad seat heating systems must be performed by qualified 12 Volt or auto upholstery professionals only. Improper installation will void the manufacturer’s limited warranty and may result in physical damage to equipment or people.
- The Mini-Pad system requires 12 Volt accessory power with up to 7 Amps of continuous current. We recommend drawing power from the battery using an independently triggered relay.
- The Mini-Pad elements must be installed on a flat portion of the seating foam to eliminate any folding of the copper wire within the pads.
- Yes, Mini-Pads can be modified to accommodate Vertical Center Listings. You can cut a 5” inch (Max) length channel down the center of each Mini-Pad. Simply hold a pad up to a strong light source to locate the area which can be modified. The pad dimensions must not be modified in width (10”) or length (8”).
- The wire harness must be secured to the seat to allow a full range of movement so as not to cause damage to the harness. We recommend installing the heating pad wires of the seat bottom and backrest so that they exit the covers towards the inside of the seats (Driver-Right & Passenger-Left).
- For passenger side Fold-Flat backrests, arrange the backrest pad wire to exit at the inner Fulcrum (where the “J” clips of the backrest click together, at the inner hinge – Pass left side). This will result in a No-Tension easy fold of the passenger side backrest.

Step 1: Preparing for the seat heater installation

- Ensure the vehicle is secure on a level surface and put it in “Park” and engage the hand brake.
- Disconnect the car’s battery or ensure that the work well is grounded. Consult the wiring diagram provided by the manufacturer for a layout of the vehicle’s wire harness. If you still have questions call a service department professional.
- Prepare a work area large enough to accommodate seat parts. Secure either a heavy blanket or carpeting to the table to avoid damaging the original covers when working with them.
- Unplug all wires attached to the seats and unbolt them. Carefully remove the seats from the vehicle (Don’t scratch the door panels).
- Unbolt the backrest from the seat cushion by removing any screws and the plastic hinge covers.

Step 2: Removing the seat covers

- Seat Cushion Cover: Remove all “J” clips from the perimeter of the seat bottom frame.
- Seat Backrest Cover: Separate the opposing “J” clips, found on the underside of the backrest, which have been clicked together. Unroll the backrest cover upwards to about the halfway point.
- Now, determine which style of listing is securing the original cover to the foam core. Hog Rings or Velcro?
- If Hog Rings, then using wire cutters proceed to cut the metal hog rings which will result in you being able to eventually separate the cover from the core.
- If Velcro, then place one hand on the foam core and carefully start to separate the hook and loop Velcro.
- Remove and dispose of any debris from cut hog rings and ensure that the seat foam is free of any debris.

Step 3: Installing the cushion and backrest heating elements:

- Position the Mini-Pad elements so that the pad does not interfere with any of the seat listings. Cut a 1/2” line in the foam to help conceal the wire cable of the heating pad if necessary. (Install the pad (4 pin) with the thermostat on the cushion bottom.
- Next, simply remove the adhesive protective backing from the Mini-Pad, carefully position the pad and press it firmly against the foam core to ensure clean contact.

Top surface mounted OCS installation options:

1. Don’t install a heater on the passenger side.
2. Use only one pad (4 Pin Connector) and heat non-sensor section only. Most manufacturers locate sensors on the top surface of cushion bottoms (Visible) but, Honda locates their OCS on the backrest!! Verify before installing!!
3. Use one pad for the backrest and the other pad on the seat bottom but you must ensure that the proximity of the Mini-Pad to the OCS is a minimum 2” inches!

Remember:

- Mini-Pads can be adjusted for Vertical center listings - Refer to Page 2 Bullet #9

- Ask about Flex-Wire System pads. It is the Full Size Version.
- OCS systems – Don't cover over sensors, normally located where the backrest and bottom cushion intersect.

Step 5: The wire harness and switch:

- Secure the wire harness to the underside of the seat frame and make sure that the wires of the harness have not been cut or damaged in any way. Again, make sure the location of the harness will allow the seats to slide forwards and backwards without getting caught on anything especially the seating tracks.
- Reassemble the backrest and cushion bottom. Ensure the Mini-Pad connectors are firmly connected to the wiring harness.
- Switch locations vary with each vehicle but popular locations are the plastic trim located at the side of the seat, center floor mounted console or into the front dash. Simply make sure there is enough clearance room for the depth of the switch prior to cutting the hole. Using a Switch Drill Bit cut a 20mm hole for the round switch.

Step 6: Electrical connection and power test:

- Connect the Red (Positive/Hot) and (Black Negative/Ground) wires to the vehicle's 12 Volt (DC) power supply. Connect them to accessory power capable of supplying a minimum 5 Amps of continuous current.

Note:

If you connect the seat heating system directly to the battery it will be possible to run the seat heater without running the engine. Therefore it is highly recommended that you secure a Key-Start source of power to trigger current to the seat heaters.

Trouble Shooting Guide

If the seat does not feel warm in 5 minutes:

- The element may not heat up if the sun has been shining on the seat.
- Verify the seat heater and accessory fuses. For some installations a fuse tap may have been installed to power up the seat heater. This fuse tap clips in with the other fuse of 7.5 Amps or greater. Be sure this tap is put in on the positive/power side of the fuse or it could blow the fuse in the block when both accessories are turned on at once. The fuse tap may have dislodged itself accidentally.
- Check the pins and connectors to make sure they are tightly connected.
- Check the connectors to 12 Volts and ground and verify polarity.