The Install Bay™

Heated Seat Kit Installation Manual

IBHS1

Single Carbon Fiber
Seat Heater Kit with
Dual Temperature
Illuminated Switch

IBHS2

Single Carbon Fiber
Seat Heater Kit with
Multi-Position Temperature
Illuminated Switch

IBHS3

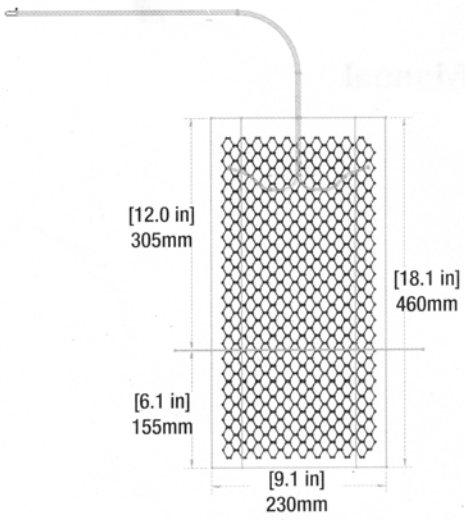
Dual Carbon Fiber
Seat Heater Kit with
Multi-Position Temperature
Illuminated Switches

GENERAL SAFETY PROCEDURES

DO NOT ATTEMPT TO INSTALL AN IBHS KIT IN THE VEHICLES WHERE THE SEAT COVERS ARE ADHERED TO THE SEAT'S PADDING, IN VEHICLES WITH LESS THAN 9.8"/250MM OF SPACING BETWEEN CHANNELS OR IN VEHICLES WHERE THE OPERATOR AND OR PASSENGERS MAY EXPERIENCE TROUBLE SENSING AND OR REACTING TO CHANGES IN TEMPERATURE. (ELDERLY, INFANTS, PARAPLEGIC, ETC)

IBHS SEAT HEATER KITS SHOULD ONLY BE INSTALLED BY AUTHORIZED DEALERS WITH EXPERIENCE IN WORKING WITH AFTERMARKET SEATING & ACCESSORIES. VEHICLES FITTED WITH SIDE AIRBAGS MUST BE TREATED ACCORDING TO THE MANUFACTURER'S FITTING REQUIREMENTS. THE INSTALLER SHALL BE LIABLE FOR ANY DAMAGE TO THE IBHS PRODUCT, VEHICLE OR END USER CAUSED BY IN-EXPERIENCE, IMPROPER FITTING, OR FAILURE TO FOLLOW THE THESE INSTRUCTIONS. METRA ELECTRONICS WILL NOT LIABLE FOR PRINTING ERRORS, MISUSE OF THE INFORMATION IN THIS MANUAL, MISUSE/ABUSE OF THE PRODUCT OR CHANGES IN VEHICLE'S DESIGN AND OPERATION.

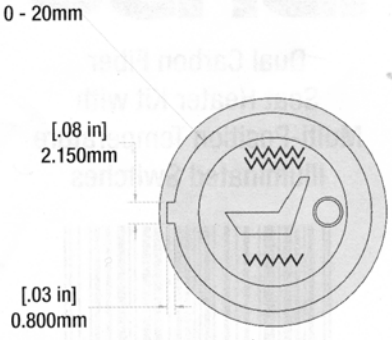
Carbon Fiber Heating Element



Do Not Cut Above Line.
6" Maximum Trim

Typical Bottom and Back Install

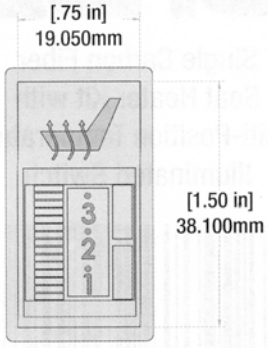
IBHS1
SWITCH



Wiring Guide

Red - 12 volt power
Black - ground

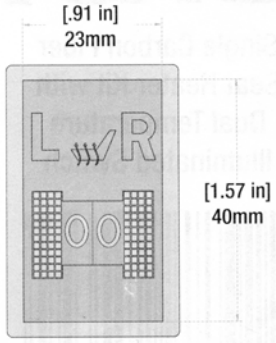
IBHS2
SWITCH



Wiring Guide

Red - 12 volt power
Black - ground
Yellow - switched power

IBHS3
SWITCH



Wiring Guide

Red Single Dash - 12 volt power
Black - ground
Red Double Dash - switched power

INSTALLATION INSTRUCTIONS

• Clean installation area and layout IBHS Kit contents.

• Park vehicle in a dry level surface and engage the emergency break.

• Disconnect vehicle's battery and ensure the installation area is well grounded.

• Consult the owner's manual of the vehicle and remove all harnesses and wires attached to the seat itself and underside of the vehicle seat.

• Unbolt the seat in accordance with the manufacturer's service procedures of the vehicle. Take appropriate precautions as not to damage the seat covering or the interior of the vehicle. Place the seat away vehicle in a level safe area.

• Methodically remove the seat cover by detaching the hog rings and or any plastic "J " clips that secure the backrest.

• Follow same attention to detail and detach the clips located at the seat bottom or base that hold the bottom seat together.

• With the cover completely removed inspect the seat to ensure there are no remaining metal pieces or portions on the heating element installation area located on the seat pad.

(WARNING EXPOSED METAL ON SEAT PAD AREA CAN LEAD TO SHORT CIRCUIT AND MAY DAMAGE BOTH THE IBHS HEATING ELEMENT AND THE VEHICLE)

• Without removing the adhesive liner lay the carbon fiber heating element on the bottom of the seat. Mark the window area to be cut. Allow at least 1 5/8" 40mm on around the edges of the heating element. It is necessary for the heating element to lay flat.

DO NOT FOLD OR WRINKLE HEATING ELEMENT

Note (You may trim heating element to ensure proper fit and alignment with seat pad. See the carbon fiber heating element illustration for maximum trim dimensions)

• Repeat the above process for the pad area on the back of the seat.

• With the outline complete, carefully cut the seat pad to accommodate the heating elements. Clean the trimmed area of any foam debris.

For best results and extended life of the heating elements do not trim more than 1" into the foam pad.

• Once again lay the heating elements in the area and test to ensure it fits inside the newly trimmed area. Remove the protective liner from the heating element and place them in the designated area.

• Consult the vehicle's owner manual and determine a location that is capable of providing a constant 10 amp current while the vehicle is running.

(WARNING DO NOT ATTACH THE IBHS KITS DIRECTLY TO THE BATTERY OR A NON SWITCHED POWER SOURCE. DOING SO WILL DAMAGE THE BATTERY AND PLACE ADDITIONAL STRESS ON THE IBHS KIT. DOING SO WILL VOID THE WARRANTY)

• Route the supplied wiring harness under the carpet to the determined power source. It may be necessary to extend the wiring harness in order to safely reach the power source.

• Locate the desired location for the temperature control switch.

• Remove the knock out panel or if necessary drill the appropriate sized hole to accommodate the switch. Route switch wiring through the hole and attach the switch to the kit's main harness.

See the illustration that corresponds with your kit for detailed dimensions of the temperature control switch.

• Re-install the seat cover making sure the cover is flat and properly attached. Place seat into the vehicle and ensure it is firmly secured. Connect all previously disconnected plugs. Attach the heat element connector to the main harness that routed under the carpet.

• Connect the seat heater kit's wires the previously located switched power source. Locate and prepare a solid ground source and connect the ground kit's lead.

• Reconnect the vehicle's battery and start the vehicle

• Test the seat heater to ensure functionality. Clean vehicle of any installation debris and return interior to original condition.

IF DURING USE OF PRODUCT IF YOU FEEL DIZZINESS, NAUSEA, BLURRED VISION OR DISCOMFORT TURN SWITCH TO THE OFF POSITION AND DISCONTINUE USE IMMEDIATELY. IF SYMPTOMS RETURN DURING USE CONTACT YOUR AUTHORIZED DEALER TO HAVE SYSTEM INSPECTED.

Nominal Electrical Specifications

		VOLTAGE	AMPERAGE	WATTAGE
IBHS1	**OFF**	@14 v	0.07	0.98 w
SINGLE SWITCH KIT	**LOW**	@14 v	1.63	22.82 w
	HIGH	@14 v	5.03	70.42 w
IBHS2				
VARIABLE SINGLE	**Position #0**	@14 v	0.09	1.26 w
SWITCH KIT	**Position #5**	@14 v	5.03	70.42 w
IBHS3				
VARIABLE DUAL	**Position #0**	@14 v	0.03	0.42 w
SWITCH KIT	**Position #5**	@14 v	4.36	61.04 w
SINGLE PAD		@14 v	2.75	38.5 w
DIRECT CONNECTED				

NOTES REGARDING ABOVE MEASUREMENTS:

- All tests were conducted using (1) "seat" a bottom and back carbon fiber heating element pad.
- Only (1) "seat" was utilized during testing on IBHS3 for consistency and ease of comparison. IBHS3 will have double the current draw when using both "seats"
- Operating temperatures ranged from 115 ˚F TO 135 ˚F over the entire heating element.
- In the event that a heating element pad is trimmed it will have less current draw.
- Current draw measured in the off position is due to the LED lights on switches.

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