LUXURY MC SEAT HEATER KIT

Installation Instructions

– Read Carefully Before Starting Installation -

Limited Warranty

This Product is warranted to be free from defects in manufacturing and workmanship and is guaranteed to work for three years or 36,000 miles, whichever occurs first. This Limited Warranty covers the repair or replacement of the seat heater components only and does not cover any costs related to or damage resulting from the installation of the seat heater. Seat heaters must only be used in seat applications for which they were designed, tested and approved by Check Corporation, and failure to properly install the designated seat heated product, or improper installation or misuse of any component, will void this Limited Warranty.

MANUFACTURER'S LIMITED REPAIR/REPLACEMENT WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR DUTIES OR WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OF TRADE OR COMMON LAW. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR PROXIMITE, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOSS OF PROFITS OR PRODUCTION OR INJURY TO PERSON OR PROPERTY. THE CONSUMER OF THIS PRODUCT SHOULD CONTACT ITS INSTALLATION DEALER FOR ANY WARRANTY CLAIM AND RETURN WARRANTY CARD TO VALIDATE WARRANTY.

Safety:

PLEASE READ BEFORE INSTALLING HEATING ELEMENT ASSEMBLIES!

[wear gloves]

[wear safety glasses]

⚠ DANGER

- IF ANY OF THE FOLLOWING SAFETY CONDITIONS CANNOT BE MET, DO NOT ATTEMPT PRODUCT INSTALLATION
- Circulation and or sensory compromised persons **SHALL NOT** use this system/product at any time. There is a High Risk of Thermal Burns.
- Never reinstall a heating element. Once the element has been removed it cannot be reapplied to the foam bun. There is a risk of a thermal event
- Check Corporation wire heating element assemblies are specific to each seat and are not to be cut. They are designed to fit specific vehicle seats according to the model and production year of the vehicle. For a full list of vehicles that your kit is compatible with, please call customer service at 877-607-8941.
- Some front passenger seats are outfitted with occupant detection sensors which are not compatible with any after-market seat heater. Consult with Check Corporation to determine the appropriate heating element assembly for each specific vehicle.
- Heating elements should NEVER be installed onto foam where an occupant detection sensor is visible on the top surface of the foam, even if the heating element would not touch the sensor. Heating elements are to be placed onto foam bun only. The heating elements may adversely affect or cause the sensors or

airbag system to not function correctly, thereby causing severe injury or death.

- To prevent OVERHEATING AND/OR A FIRE follow these instructions carefully: Cushion and back heating elements are wired to operate in series only. Do not change the wiring to power the heating elements in parallel.
- If the kit has a cushion and back heating element then both must be used. Never operate cushion or back element separately. Single element heaters are available if needed.
- Release paper must be completely removed. Failing to completely remove paper is a fire hazard and nullifies and voids warranty.

⚠ WARNING

- **Do not modify this product.**
- **Do not connect this product to factory seat heater parts**
- Remove paper adhesive liner from the cushion and back heating elements before installing them onto the foam bun. This is mandatory as the heating pattern is maintained by the adhesion of the heating elements to the foam bun of the seat. If the heating elements are not secured they could develop hot spots.
- The Heating elements must NOT be folded into seat listing channels except where cutouts were designed into the element. Do not fold the heating elements against themselves.

⚠ CAUTION

- CLOTH UPHOLSTERY
  If your upholstery is thin, and does not have at least 1/4” of foam sewn onto the backside of the upholstery, it is required that you apply a minimum of 1/4” thick layer of foam to the entire insert area between the heating element and the upholstery. This will eliminate read-through and make sure the temperature is at an appropriate level.

NOTICE

- The heating elements must be connected to switched or keyed ignition power only, to prevent battery drain when vehicle is off.
- Check and determine that the heating elements will fit under the seat trim covers in the desired areas. The listing channels or the Velcro hold-downs should line up with the cutouts in the heating elements. This is not important if the heating elements do not cross over a listing channel or Velcro hold-down.
- BONDED SEATS (UPHOLSTERY GLUED TO FOAM BUN)
  Never remove the cover of a bonded seat. The cover of a bonded seat cannot be installed again once it has been removed. If installation of a heating element assembly is to be attempted in this kind of seat, cut an opening in the foam bun large enough for the element to fit ½″ underneath the cover. A professional should only attempt this, as mistakes often result in the replacement of the seat foam and cover.

IN THE EVENT THAT THE FOREMENTIONED WARNINGS BE DISREGUARDED, THE WARRANTY BECOMES NULL AND VOID, BEING THAT THE COMPONENTS PROVIDED WITHIN THE SEAT HEATING KIT WERE MISUSED. MISUSE OF THIS PRODUCT MAY CAUSE SERIOUS INJURY TO PERSON OR PROPERTY.

– Seat Heaters Specifications -

- 12v (11 – 15 volts)
- Maximum power requirements:
  HILO-MC-SINGLE 26W (1.7A @ 15V)
  HILO-MC-DUAL 52W (3.4A @ 15V)
- Temperature range measured at seat surface during normal operation **. The seat cover is ¼" foam & vinyl.
  HILO-MC-SINGLE LOW 102℉ (+/- 3 ℉) or 38.9℃; HI 109℉ (+/- 3 ℉) or 42.8℃
  HILO-MC-DUAL LOW 102℉ (+/- 3 ℉) or 38.9℃; HI 109℉ (+/- 3 ℉) or 42.8℃
- Heating elements meet FMVSS 302 flammability requirements
  ** Performance varies with seat materials used and the density and amount of sew foam between the heating elements and the surface of the seat.

– The Skills You Need -

Electrical experience or a basic understanding of electrical systems and the ability to disassemble and reassemble motorcycle seating is recommended.

– Parts list -

HILO-MC-SINGLE

	PARTS	PART #	QUANTITY
1	SINGLE ELEMENT	MC-4S	1
2	SWITCH HARNESS	SWH-EC9A-03	1
3	WATERPROOF SWITCH	SW-SPDT-03	1
4	POWER HARNESS	CB-PWR-HRN-36	1
5	CLIP	TY-18ST	2
6	SWITCH PLATE	SP-MC-1	1
7	SWITCH SUPPORT PLATE	SP-MC-1-U	1
8	HARDWARE PACK	HPACK-MC-INLINE	1

HILO-MC-DAUL

	PARTS	PART #	QUANTITY
1	FRONT ELEMENT	MC-4F	1
2	REAR ELEMENT	MC-4R	1
3	CONTROL MODULE	ECMC-DHL11-1	1
4	SWITCH HARNESS	SWH-EC11-MC	1
5	WATERPROOF SWITCH	SW-SPDT-03	1
6	POWER EXTENSION HARNESS	PH-EC11-MC	1
7	POWER HARNESS	CB-PWR-HRN-36	1
8	CLIP	TY-18ST	4
9	SWITCH PLATE	SP-MC-2	1
10	SWITCH SUPPORT PLATE	SP-MC-2-U	1
11	HARDWARE PACK	HPACK-MC-INLINE	1

– Before You Start -

REVIEW ALL INSTALLATION INSTRUCTIONS AND PRODUCT WARNINGS BEFORE INSTALLATION!

NOTE: The heating panels work best with a ¼" to ½" piece of foam between them and the seat cover material. Thicker foam will increase the heat up time.

Check and determine that the heating panels will fit under the seat trim covers in the desired areas.
Ensure that the motorcycle has 12-14 volts system and that ignition switched power is available at the fuse panel.
Locate motorcycle fuse panel and determine routing of wire.
Pre-wire all components on your workbench according to wiring diagram (Fig. 1) and test with multi-meter for continuity. Use a 12V D.C. power source. Do not use battery charger as a power source.
Determine a location for mounting of the switch, which does not interfere with saddle bags and passenger legs in order to prevent accidental operation.

IF ANY OF THE CONDITIONS ON PAGE 1 – 3 CANNOT BE MET, INSTALLATION SHOULD NOT BE ATTEMPTED.

– Installation -

1. Remove seat from motorcycle
2. Remove the seat trim covers and ensure the heater elements fit and can be installed properly as stated by the requirements on pages 1 – 3 of this pamphlet.
3. Locate the desired fuse outlet and make connection to an ignition switch source of power, utilizing the necessary fuse accessory and wire ends.
4. Install the seat heater switch. Ensure that the wire harness will reach the switch and the wires aren't obstructed by the seat structure and supports. Use back plate as template marking on seat cover. Make cutout. Install front plate and back plate onto cover before install switch. Use 7 mm socket to press clips. Install switch into plates. Cut receiving hole in base foam to receive stitch housing.
5. Locate area for heating panel by tracing element outline onto foam bun (Fig. 2)
6. Remove the adhesive release paper. This paper must be removed, as it will BURN. Attach the heating panels to the base seat foam by pushing down on the pads causing the adhesive to stick completely to the seat base foam. **NOTE**: The heating element may be hard to handle if you tear off too much release paper at a time. To assure surface smoothness, paper should be peeled away in 2 – 4 inch increments as you apply the element to the foam bun. Apply heating element rear to front.

   ADHESIVE RELEASE PAPER MUST BE COMPLETELY REMOVED. FAILING TO COMPLETELY REMOVE PAPER IS A FIRE HAZARD. FAILING TO REMOVE PAPER RESULTS IN WARRANTY NULLIFICATION AND VOIDANCE.

7. Connect the seat heater wires together according to wiring diagram (Fig. 1). **SECURE THE CONTROLLER AND WIRE WITH THE TIES PROVIDED (Fig. 3).**
8. Test seat heater for proper operation.
9. Re-install seat trim covers.
10. Install the seat into the motorcycle. Connect the power harness to the seat.
11. **OPERATION OF THE HEATED SEATS**: After turning the system on, you should be able to feel the heat within 1 – 3 minutes depending on the thickness of the trim cover material over the element. The thicker the trim cover, the longer it takes to feel the heat. If the occupant feels too much heat we suggest turning the heater off.

– Troubleshooting of the Electrical System -

IF THE SYSTEM DOES NOT HEAT UP

To test the unit you must sit in it for at least a 5-minute period in which the heat has time to reach the seat surface.

Check the fuse – 5.0 Amps (in the added fuse accessory)

The temperature of the seat may be above its maximum internal temperature and the controller will not allow it to come on. (Sun shining on seat!)

Ensure that all connections are properly coupled and that the 12V DC and ground wires are properly installed.

Test the heating elements at the white 4-position connector with an ohmmeter across pins. If an open condition exists, there is a broken heating wire. .

If the heating element, switch, and seat harness test OK, then a power problem exists.

Using a voltmeter or a test light, start at the fuse accessory and trace back through all of the connectors and the switch to determine where the power loss is occurring. Repair as necessary.

To test for the input side of the fuse, remove the fuse and locate the +12 volt side of the receptacle. +12V exists on one side after the fuse is removed and the ignition is turned on.

IF YOU HAVE ANY QUESTIONS REGARDING THE INSTALLATION OF CHECK CORPORATION SEAT HEATERS, PLEASE CALL OUR HOTLINE AT 1-800-927-6787, 8AM TO 5PM EASTERN STANDARD TIME.

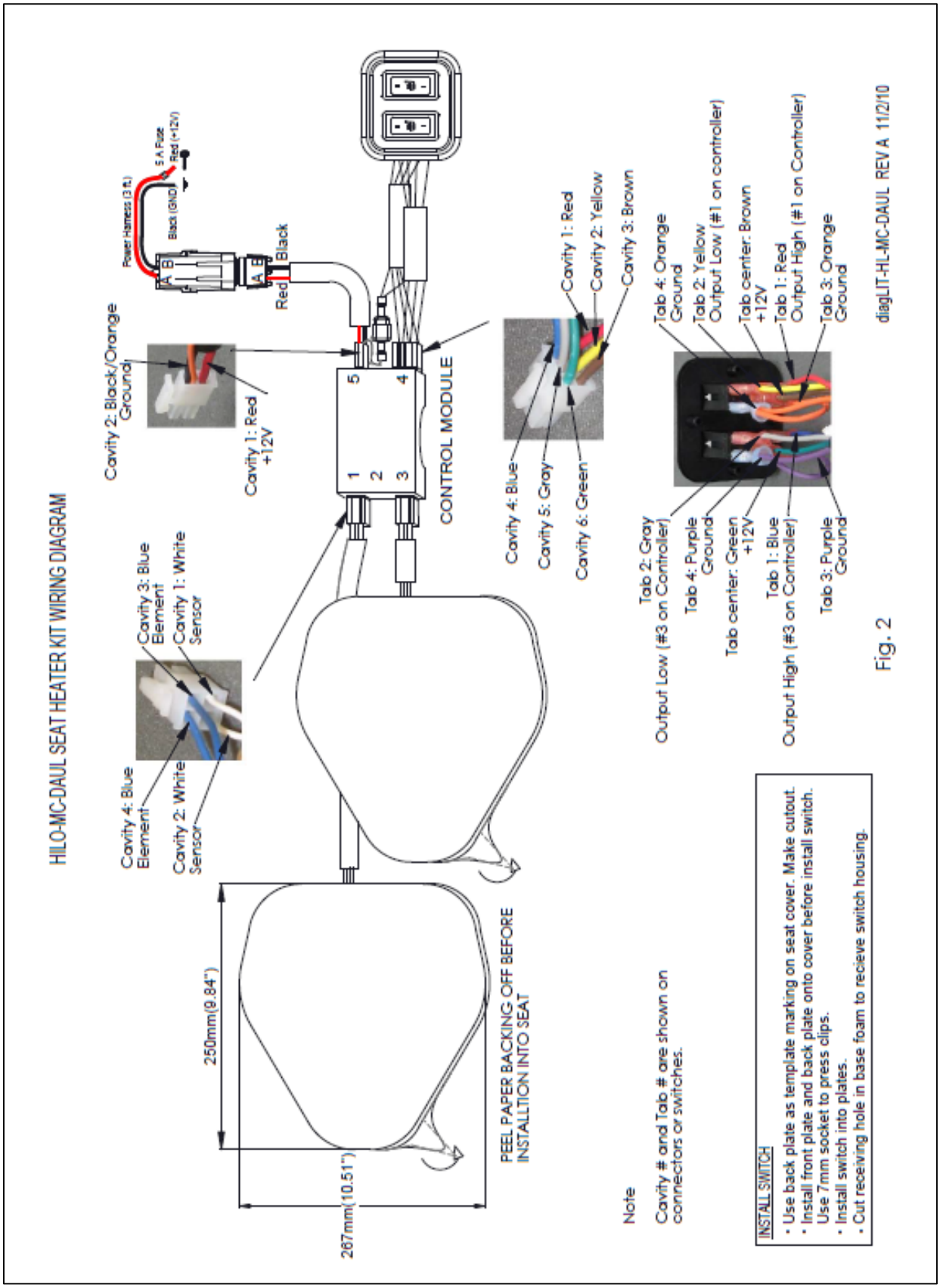
HILO-MC-DAUL SEAT HEATER KIT WIRING DIAGRAM
Power Harness (3 ft.)
5 A Fuse
Red (+12V)
Black (GND)
A B
A B
Red
Black
Cavity 2: Black/Orange
Ground
Cavity 1: Red
+12V
CONTROL MODULE
5
4
1
2
3
Cavity 1: Red
Cavity 2: Yellow
Cavity 3: Brown
Cavity 4: Blue
Cavity 5: Gray
Cavity 6: Green
Tab 4: Orange
Ground
Tab 2: Yellow
Output Low (#1 on controller)
Tab center: Brown
+12V
Tab 1: Red
Output High (#1 on Controller)
Tab 3: Orange
Ground
Tab 2: Gray
Output Low (#3 on Controller)
Tab 4: Purple
Ground
Tab center: Green
+12V
Tab 1: Blue
Output High (#3 on Controller)
Tab 3: Purple
Ground
Cavity 3: Blue
Element
Cavity 1: White
Sensor
Cavity 4: Blue
Element
Cavity 2: White
Sensor
250mm(9.84")
267mm(10.51")
PEEL PAPER BACKING OFF BEFORE
INSTALLTION INTO SEAT
Note
Cavity # and Tab # are shown on
connectors or switches.
INSTALL SWITCH
• Use back plate as template marking on seat cover. Make cutout.
• Install front plate and back plate onto cover before install switch.
Use 7mm socket to press clips.
• Install switch into plates.
• Cut receiving hole in base foam to recieve switch housing.
diagLIT-HL-MC-DAUL REV A 11/2/10
Fig. 2

Fig. 1

Fig. 2

Fig. 3