



# 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 PROXIMATE, 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.

### **- Seat Heaters Specifications -**

\_ 12v ( 11 – 15 volts )

\_ Maximum power requirements:

LUX-MC2 33W (2.2A @ 15V)

LUX-MC3 26W (1.7A @ 15V)

\_ Temperature range measured at seat surface during normal operation \*\*

LUX-MC2 LOW 98°F (+/- 3 °F) or 36.7°C; HI 107°F (+/- 3 °F) or 41.7°C

LUX-MC3 LOW 100°F (+/- 3 °F) or 37.8°C; HI 106° F (+/- 3 °F) or 41.1°C

\_ Heating elements meet FMVSS 302 flammability requirements

\*\* Performance varies with seat materials used and the

### **- The Skills You Need -**

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

**- ! WARNING ! -**

### **PLEASE READ BEFORE INSTALLING SEAT HEATERS!**

1. REMOVE PAPER ADHESIVE LINER FROM 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 BASE FOAM OF THE SEAT. IF THE HEATER ELEMENTS ARE NOT SECURED THEY COULD DEVELOP HOT SPOTS WHICH COULD START A FIRE.

THE PAPER LINER WILL BURN IF NOT REMOVED, AS IT IS COMBUSTIBLE AND NOT INTENDED TO BE INSTALLED WITH THE HEATER ELEMENTS.

2. SEAT HEATERS MUST BE CONNECTED TO SWITCHED IGNITION POWER ONLY. THIS WILL PREVENT CONTINUED OPERATION OF THE SEAT HEATERS AFTER THE MOTORCYCLE HAS BEEN TURNED OFF. CONNECTING TO OTHER POWER POINTS WILL CAUSE THE BATTERY TO DISCHARGE TO A NONSTARTING VOLTAGE IF THE SEAT HEATER SWITCH IS LEFT ON AFTER THE VEHICLE HAS BEEN TURNED OFF.
3. SEAT HEATER ELEMENTS MUST NOT BE FOLDED INTO SEAT LISTING CHANNELS. ALSO DO NOT FOLD THE HEATING ELEMENTS AGAINST THEMSELVES AS THE UNIT WILL OVERHEAT AND BURN.

**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.**

### **- Parts list -**

Heating Element	1
Electronic Controller	1
Power Harness	1
Switch Harness with Switch	1
Hardware package	1
Customer Information Package	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.

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 & 2 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 and 2 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** Cut out a switch hole to mount the switch (Fig.2). 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.

**5** Locate area for heating panel by tracing element outline onto foam bun (Fig.3).

**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). Install lock accessory (Fig.4). **SECURE THE WIRE WITH THE TIES PROVIDED (Fig.5).**

**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 heat within 1-3 minutes depending on the thickness of the trim cover material over the element. The thicker 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 – 3.0 Amps (in the added fuse accessory)
- ✓ The temperature of the seat may be above its maximum internal temperature and the thermostat 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.

Each seat heater that is installed in the motorcycle must have its own fuse (provided with kit). It is also advisable that each seat heater assembly is installed with its own fuse accessory at the fuse panel.

**If the LED is blinking on more than it is off, check for the following:**

- A break in the heating element circuit. To check for this, pull on the brown, blue & yellow wires at all connectors to verify they are properly seated in the connector. Don't forget the connector on the back element. Also check for continuity at the 4 pin connector.
- A low voltage condition on the controller input from the fuse box. To verify the voltage input, use a multimeter set to volts, across red AND black wires at control module (it should read 11-14V).
- A poor ground connection. Check connections or try another grounding point. Another possible cause is the fuse used for power is computer controlled (try another fuse location). If a new installation the control module is probably working fine. Disconnect power to reset controller and clear old faults.

**If the LED is blinking off more than it is on, check for the following:**

- There is a problem with the heat sensor circuit. Pull on grey & green wires at connectors to verify that they are properly seated in the connector. If possible swap in another control module to see if the LED(s) is (are) still flashing. If so, then the problem is inside the cushion element (replace). If a new installation the control module is probably working fine. Make sure power is off to controller when changing it out.

**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.**

# LUXURY MOTORCYCLE SEAT HEATER WIRING DIAGRAM

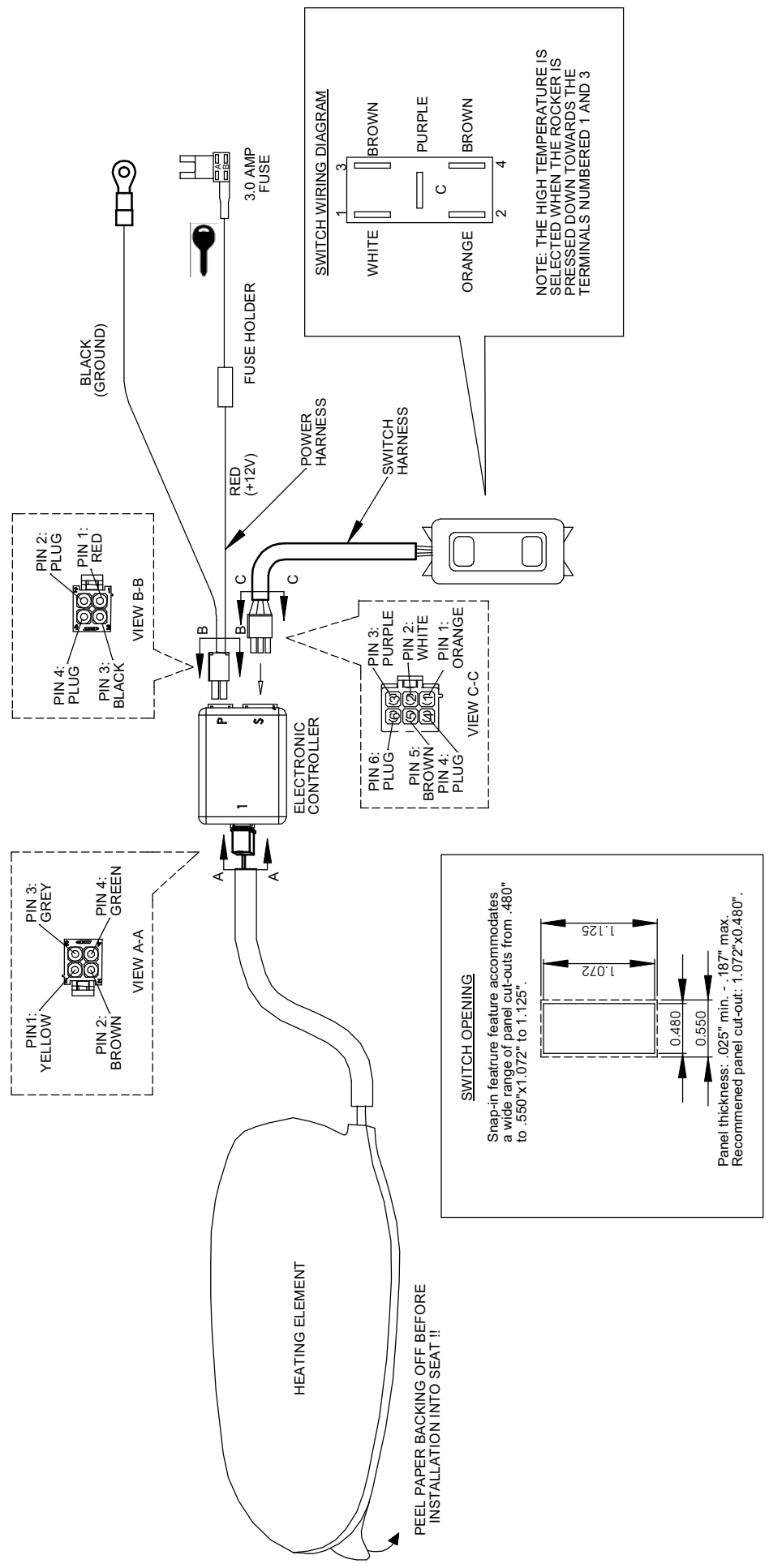


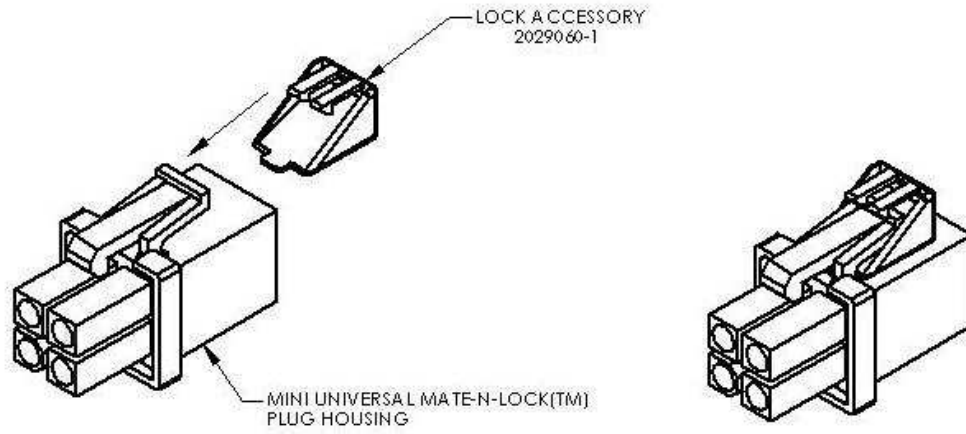
Fig. 1



**Fig.2**



**Fig.3**



INSTALL LOCK A ACCESSORY AFTER PLUG IS  
ENGAGED WITH MATING CONNECTOR.

Fig.4



Fig.5