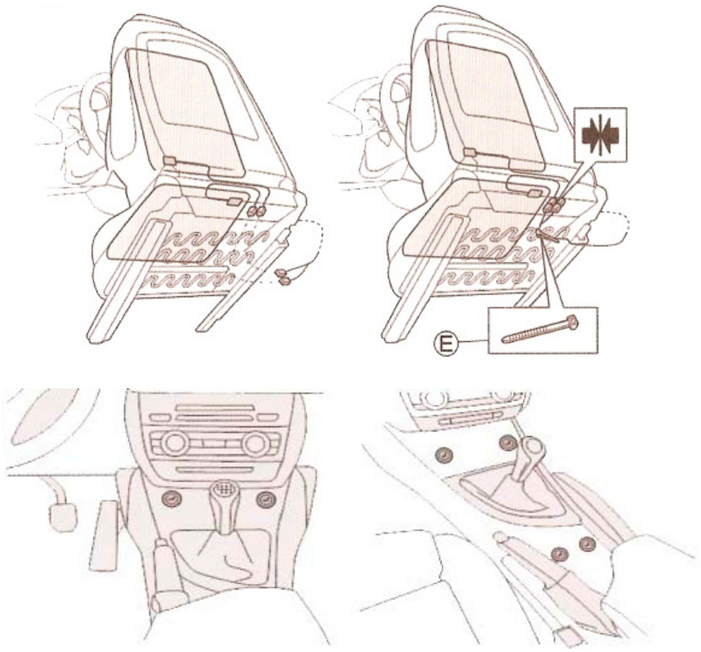


At the proper position such as near gear-level, flanks of the seat, auxiliary fascia console, etc. a hole is drilled to install the switch. The fillisters for reinforcing ribs of the switch should be filed. The harness connecting with seat pad and backrest pad is distributed as above. All connector clips must be connected. The relay is connected with main power supply cable and bound with screw for grounding and spacer. Note: The current the pad is 11.5 Amp. max.

The harness connecting with seat pad and backrest pad is distributed as above. The harness should be bound with Nylon cable tie.

Device handling

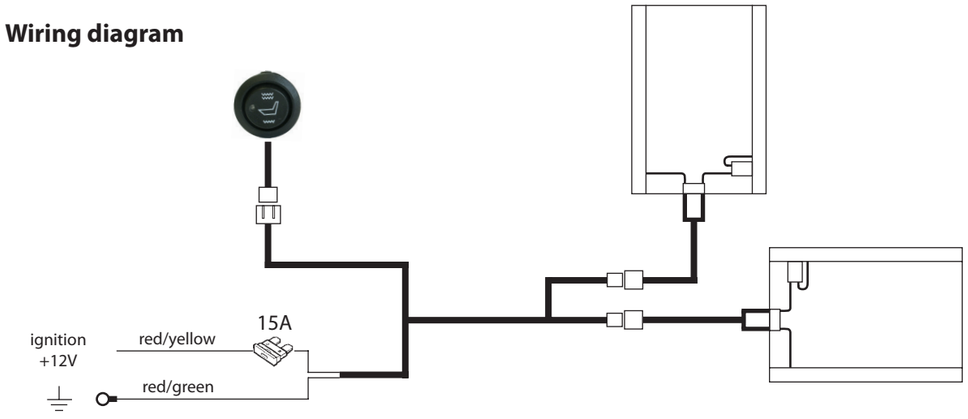
CARBON SEAT HEATER has two levels of heating - high and low. When in high mode, heating works up to specified temperature. When the temperature is exceeded, thermostat will interrupt the heating and will switch it on after the temperature falls below specified temperature. When in low mode, heating works up to specified temperature. When the temperature is exceeded, thermostat will interrupt the heating and will switch it on after the temperature falls below specified temperature.

 - heating off

 - heating high. Control light lights red.

 - heating low. Control light lights green.

Wiring diagram



TECHNICAL SPECIFICATION	
Voltage	12V +/- 25%
Operating temperature	-30°C to 70°C
Maximum current consumption	5 A

EN **KEETEC CSH1 CARBON SEAT HEATER** INSTALLATION MANUAL

KEETEC

⚠ CAUTION: Read the instructions and recommedations in this manual before use. The device has to be installed according to this manual. Nor the manufacturer or the seller are responsible for any damages resulting from incorrect installation, usage, operation or controlling that differs from that stated in this user manual. Avoid unauthorized disassembly or adjustment, there is a risk of damage to the device or electric installation of the car and loss of warranty. We recommend that you refer the installation to authorised service only.

SYSTEM DESCRIPTION

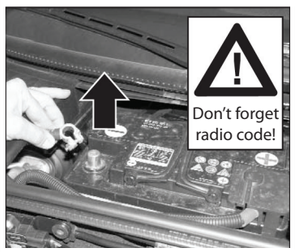
CARBON SEAT HEATER is universal car seat heater. It's made for additional installation and therefore it maximizes comfort when driving the car in cold and winter. Designed for installation under the seat upholstery, it doesn't disrupt the look of interior or sitting comfort. Seat heater is controlled via additional switch, through which you can select from two levels of heating - high and low. Thermostat keeps the temperature optimal and switches the seat heater on and off, depending on selected heating level.

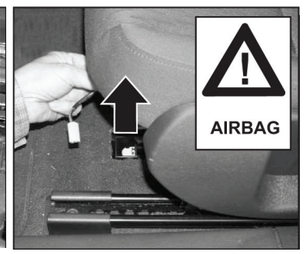


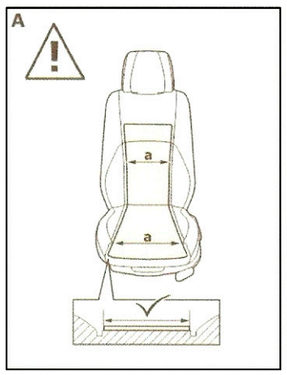
SYSTEM INSTALLATION

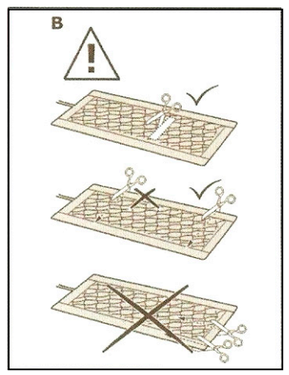
Warning: Check before the installation, that it is possible to install the seat heater and that the device is functional.

Ensure that the harnesses are not kinked or damaged as you install them in the car. Additional harnesses that you install must be secured with cable ties. If the specified PIN chambers are occupied, bridges, double crimps or twin-lead terminals must be used. All harnesses must be installed correctly with power position according this instruction. The kit is installed with the parts/accessories provided or appointed by Langech. The cables/lines are not allowed to be altered, and should be hidden within the car. The pad must be laid within the fillisters for trimming wires of seats and backrests. The width of the pad is limited with the fillisters of foam. The heating area is not allowed cut or drilled. There are two rules must be followed as you cutting the pad: When a rectangle aperture is needed, the pad must be cut along perpendicular direction to the electrode tape. The electrode tapes must not be cut off. If the pad is longer than needed, the pad should be cut at the bottom side along perpendicular direction to the electrode tape.

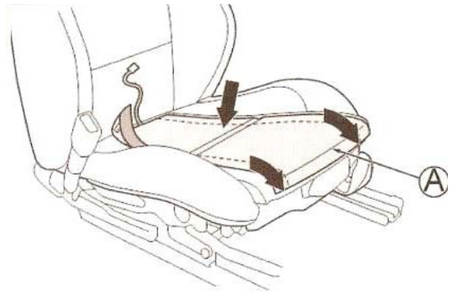




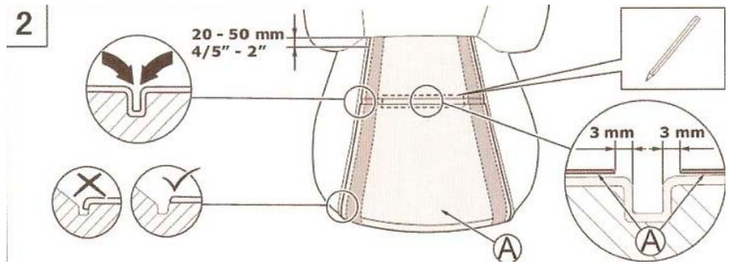




Installation steps:
Dismount the seat from vehicle. If applicable, dismount also the side covers to de-upholster the seat. Attachment of the upholstery is different, depending on the car manufacturer and type.

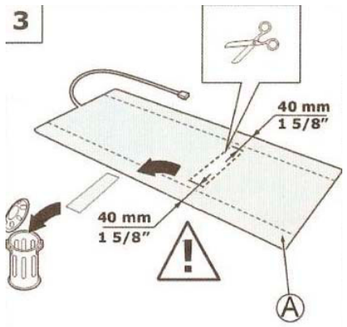


2

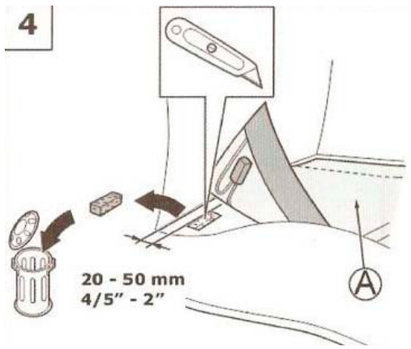


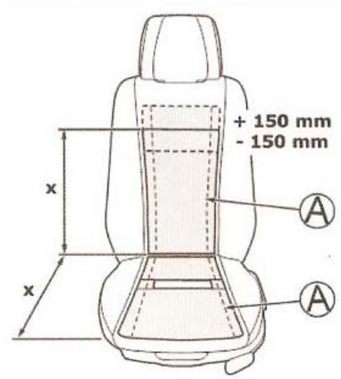
The heating pad should be unfold as illustrated in above. There are at least 3mm between the pad and fillisters after the pad is unfolded nicely. The heating area can not be put inside of any fillisters.

3



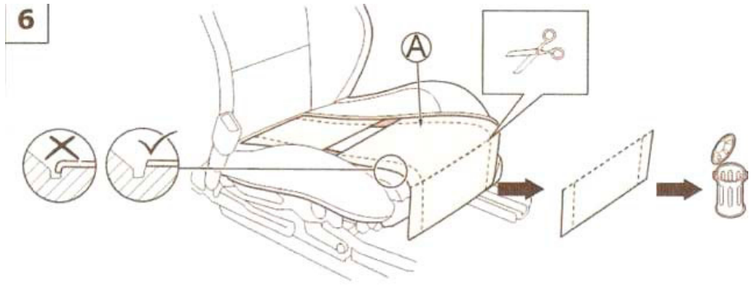
4





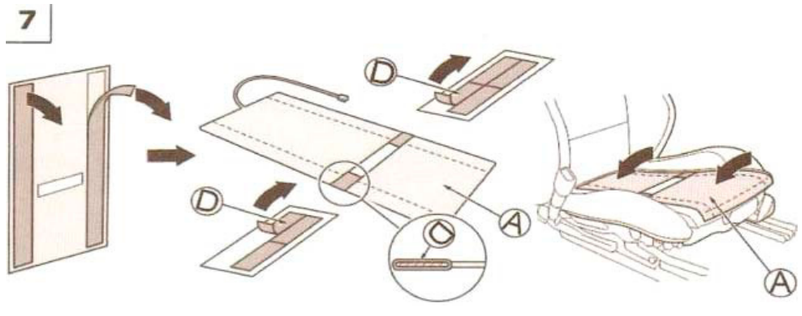
If there are fillisters for trimming wires on the seat or backrest, the heating area of pad within the two electrode tapes should be delineated with pencil or marker pen and cut into a rectangle aperture with 40mm width as illustrated in 3. The foam opposite to the temperature controller should be cut into a hole, in order to level the pad. There are ±150mm cutting deviations of either seat or backrest.

6



Superfluous parts of the pad must be cut off. The electrodes on the ends of rectangle aperture (s) must be enwrapped with doubt-coated adhesive protection tape. The backing should be ripped when the pads are installed.

7

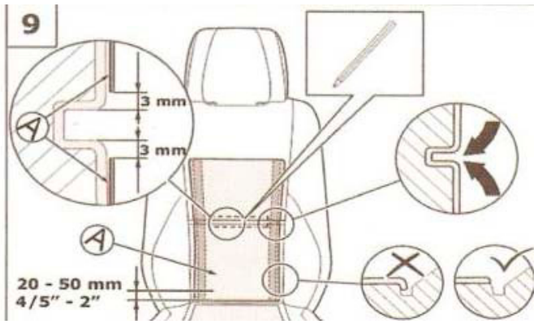


The backrest of heating pad should be unfold as illustrated in 8. The installation of the backrest on the fillisters is the same as 2 & 4. There are at least 3mm between the pad and fillisters after the pad is unfolded nicely. The heating area can not be put inside of any fillisters.

8

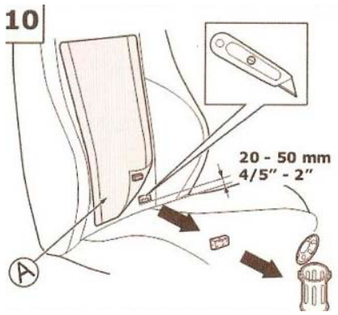


9

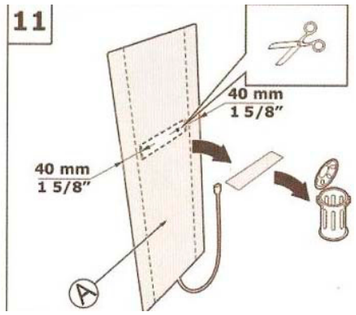


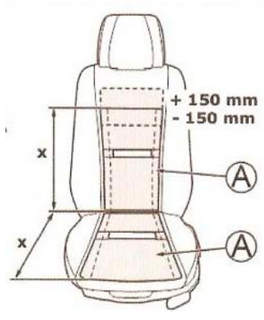
The foam opposite to the temperature controller should be cut into a hole, in order to level the pad. If there are fillisters for trimming wires on the seat or backrest, the heating area of pad within the two electrode tapes should be delineated with pencil or marker pen and cut into a rectangle aperture with 40mm width as illustrated in 11.

10



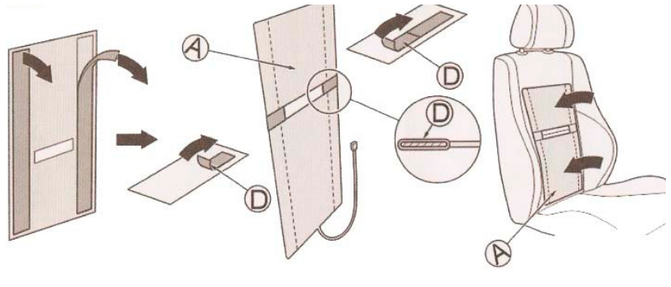
11







There are ±150mm cutting deviations of either seat or backrest. Superfluous parts of the pad must be cut off. The backing should be ripped when the pads are installed.



The electrodes on the ends of rectangle aperture (s) must be enwrapped with doubt-coated adhesive protection tape.