



AMPIRE®

[Installation Manual]

M O D E L
HEAT300

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Shipment

- Universal heating elements (2x)
- Wire harness with relay
- Switch (1/2/3/OFF) with LED
- Fuse holder with fuse
- 4 pcs. of double side adhesive tape for installation
- Installation manual and accessories



Wiring

- **Black:** Mass (Car Body)
- **Red:** +12V (Kl. 30) - *Charging Rate 5A*
- **Yellow:** Ignition (Kl. 15)
- **Grey:** Headlight

Features



- Set for 1 seat
- Fast and steady heating elements
- Heating elements for any seat geometry
- Suitable for cloth and leather seat cover
- 3 heating levels (30°C/35°C/40°C)
- Thermostat controlled system
- Thermal protection
- Installation under seat cloth or leather
- Power supply 12VDC / 5A max.
- Dimensions of heating elements: 475 x 255mm (D x W)
- Complete set incl. switches and wire harness



Safety Instructions

01. Pay utmost attention to this safety instruction to avoid damages or accidents with serious - even life-threatening - injuries, evoked by fires or electric shocks. The installation has to be done by authorized workshops only!
02. Begin with checking if installation is possible:
 - a) Installation is complex if not impossible with adhesive upholstered seats
 - b) Installation is not possible on seats with longitudinal ditches
 - c) Installation is not possible on seat with a central area width less than 270 mm, edges have to end in front of lateral ditches.
03. For installation on seats with occupation recognition follow instructions of vehicle manufacturer!
04. For installation on seats with belt tightener follow instructions of vehicle manufacturer!
05. For installation on seats with side airbags in backrest follow instructions of vehicle manufacturer!
 - a) Seat cover and its seams have to stay unchanged

- b) Mount heating mat only on the central area of foam body
06. Control connection scheme for checking that electrical system and wire cross section are suitable for additive current load
07. Search a practical place for switches.
08. Use only original components included in delivery!
09. Never change width by cutting the mats long ways, cut off only as shown. (Page 17; Fig. 1)
10. You can feed the mats through crosswise ditches, but edges of cutouts have to end in front of these.
11. Heating mat must not contact any electroconductive seat components such as hog rings and seat frame, unless it is additionally insulated. Isolate the edges of cutouts with fabric adhesive tape.
12. Never cut the electrode while making a cutout, be sure to keep a minimum space of 40 mm! (Page 17; Fig. 2)
13. Normally carbon fibers overlap a few millimetres besides heating mats, avoid contact with any electroconductive seat components. Take especially care of lateral metal wiring!
14. Apply the heating elements (e.g. capable spray-on glue) without crinkles and fix well, otherwise exists fire risk!

15. See that heating elements not becomes damaged during installation, as could be caused by pilot tools, hog rings or seat frames!
16. Before applying the heating mats, the foam body has to be free of fat, oil and silicone! You receive full adhesive strength by sufficient surface pressure and curing time. Normally it takes several hours. Once installed, don't remove the heating mats for re-installation!
17. Pay attention while running the cable to fix it carefully, so that seats can be moved without problems the whole way!
18. Avoid damaging cable isolation by sharp edges, kinking or tensile stress.
19. Note down evading memory codes (e.g. radio, navigation), and then disconnect battery before start working on the electrical system!
20. Depending on seat and cover material, the temperature varies on seat surface.
21. In cases of failure or breakdown please control safety fuse first!
22. Explain function and instruct on safety before handing over the customers car!

Drawing

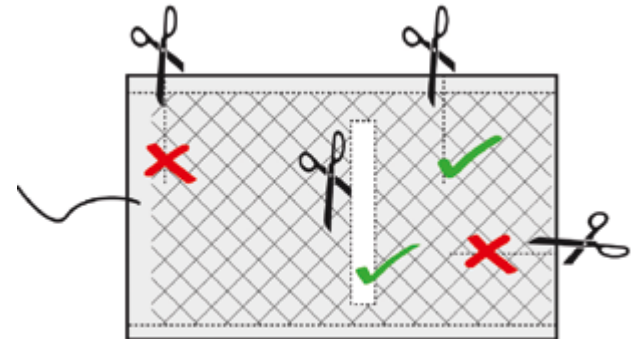


Fig. 1

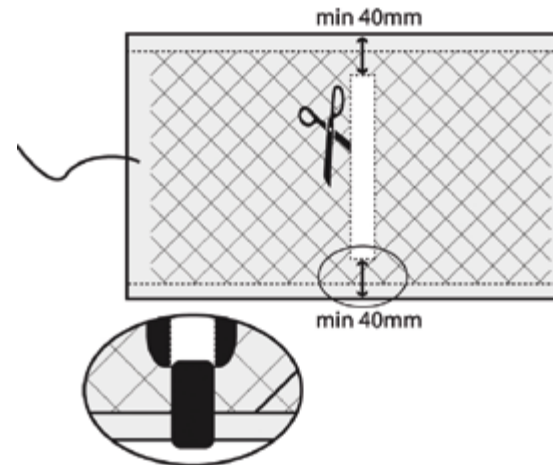


Fig. 2

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ELECTRONICS



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