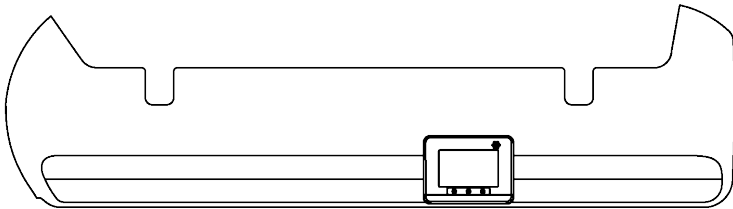


BP37™

Infant Temperature Maintenance Kit



Installation Instructions &
Instructions for Use
with
AHT Baby Pod® Infant Transport Devices

BP37 is a patented product

Section 1 - Introduction

Instructions for use with Advanced Healthcare Technology Baby Pod® Infant Transport Devices: BabyPod 2™, BabyPod 20™ & NeoPod®.

IMPORTANT:

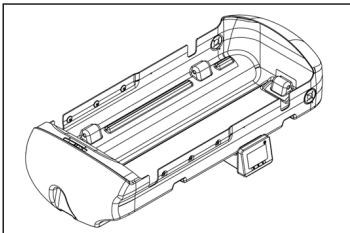
THESE INSTRUCTIONS FOR USE, MUST BE READ IN CONJUNCTION WITH THE BP37 INFANT TEMPERATURE MAINTENANCE KIT IFU AND BABYPOD 2 & BABYPOD 20 OPERATING AND MAINTENANCE MANUALS.

IT IS IMPORTANT THAT THE FITTING OF THE BP37™ CONTROLLER TO AHT BABY PODS USING THE FITTING KITS IS PERFORMED BY A COMPETENT ENGINEER/TECHNICIAN.



Throughout this manual, abbreviations for various components of the BP37™ Infant Temperature Maintenance Kit will be made.

Full Description	Abbreviation
BP37™ Infant Temperature Maintenance Kit	BP37 TM Kit
BP37™ Controller	Controller
BP37™ Battery Charger	Battery Charger
BP37™ Thermal Support Matrix	TS Matrix
BP37™ Thermal Support Matrix Cable & Clamp	TSMC
BP37™ Infant Temperature Maintenance Fitting Kit	Fitting Kit



*Figure 1 -
Baby Pod shell with
Controller attached*

WARNING:**THE BP37™ KIT IS INTENDED AS A STANDALONE PRODUCT.****DO NOT USE THE BP37™ KIT, IN CONJUNCTION WITH ANY OTHER PRODUCTS THAT SUPPLY THERMAL SUPPORT / HEAT.****Section 2.1 - General Description**

The Advanced Healthcare Technology BP37™ Kit is designed for use to provide a battery operated portable thermal support, that does not require connection to mains electricity.

By attaching the Controller to a Baby Pod, the BP37™ Kit can be used during transportation of an infant within a medical facility or between medical facilities without the need to connect to mains electricity.

During use of the BP37™ Kit, the infant's core temperature must be regularly monitored.

The TS Matrix is designed to be adhered via low tack adhesive pads. When the TS Matrix is no longer required, the flanges where the adhesive pads are located are designed to tear along perforated sections which break the heater circuit ensuring the TS Matrix can only be used for single patient use. The adhesive pads can simply be peeled from the surface and discarded with the used TS Matrix. The non-woven fabric and adhesive used for the TS Matrix is biocompatible and is compatible for use on skin.

The TS Matrix is connected to a previously charged, low voltage Li-ion battery operated Controller to provide a surface temperature of 37°C (99°F).

The TS Matrix are designed and intended for single patient use.

Section 2.2 - Overview

Overview of how the **BP37 TM Kit** is used as an accessory for AHT BabyPod® Infant Transport Devices.

1. Charge up Controller.
2. Connect TSMC to Controller.
3. Remove TS Matrix from pouch and position on mattress.
4. Attach TS Matrix to mattress by removing release paper from adhesive flanges and gently rubbing flanges down.
5. Connect TSMC to TS Matrix tail.
6. Switch on Controller in Stand By Mode (**SB**).
7. Lay infant on top of mattress.
8. If thermal support is required, switch Controller to **37**.
9. If thermal support is not required, leave Controller in Stand By (**SB**).
10. Attach Controller to Baby Pod.

When healthcare activity of infant complete.

11. Switch Controller to Stand By Mode (**SB**), then turn off Controller.
12. Unclamp TS Matrix.
13. Tear off TS Matrix from mattress and remove adhesive flanges and dispose of.
14. Put Controller on charge in readiness for next healthcare activity, if required.

WARNING

ONLY ADVANCED HEALTHCARE TECHNOLOGY APPROVED COMPONENTS MUST BE USED WITH THE BP37 TM KIT.



Section 3.1 – How to retrofit a Controller to AHT Infant Transport Devices

Parts Supplied:

- Metal Clip
 - 2 x M4 screws,
 - 2 x M4 washers
 - 2 x M4 locking nuts
- (Figure 2)

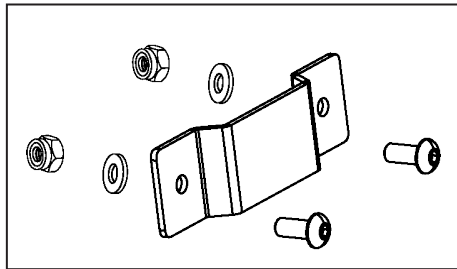


Figure 2 - Metal Clip, Nuts, Screws and Washers

- Template
- (Figure 3)

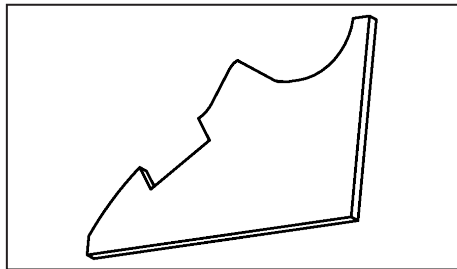


Figure 3 - Positioning Template

Tools Required:

- Powered Drill
- 4mm Drill Bit suitable for metal
- 2.5mm Allen Key
- Size 7 Hex spanner
- Masking tape

Section 3.2 – Operations

1. Remove any components from inside the Baby Pod shell.
2. The recommended position for mounting the Controller (ensuring this does not interfere with the correct functioning of the Baby Pod stretcher straps and buckles), the clip is positioned 11 cm from centre of clip to inside edge of stretcher buckle recess that is located at rear of the Baby Pod, parallel to the contours of the Baby Pod. (See figure 4)

Note: The profile of the Controller has been designed to match the contours of the Baby Pod shells.

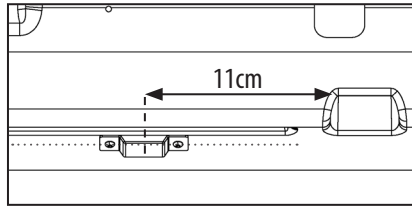


Figure 4

3. To protect Baby Pod shells and prevent slippage whilst drilling, place masking tape over intended mounting area.
4. Place Metal Clip inside template and hold up to the side of the Baby Pod shell, ensuring clip is parallel to the contours of the Baby Pod. (See figure 5)
5. Mark hole positions.
6. Drill holes with 4mm drill bit. Wear appropriate PPE whilst drilling. (An assistant may be required to hold the Baby Pod steady, whilst drilling.)
7. Remove masking tape and clean up any debris.
8. Attach Metal Clip to side of Baby Pod using the supplied screws and locking nuts. (figure 6)
9. Check Controller can be connected securely to metal clip. See Section 4.1, figures 15-17, for attaching Controller to Baby Pods.

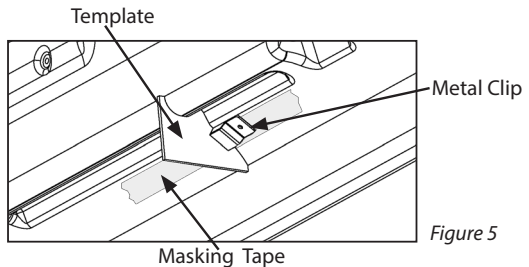


Figure 5

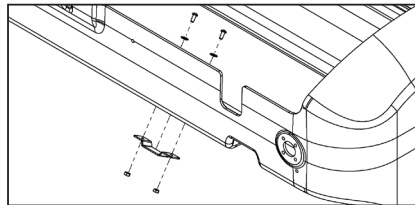


Figure 6

Section 4.1 - Attaching Controller to Baby Pod

Attach TSMC to rear of Controller (See figures 7-10).

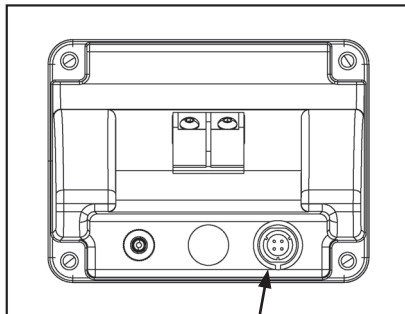


Figure 7 - TSMC Socket

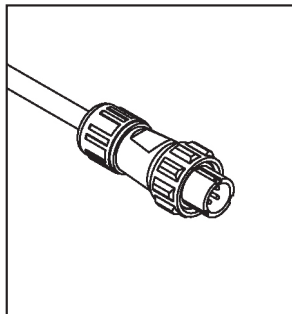


Figure 8 - TS Matrix Cable End

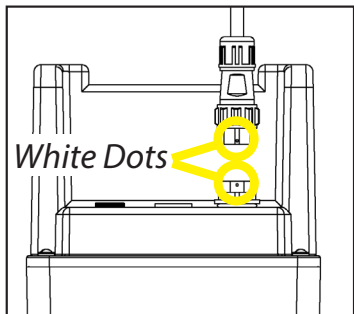


Figure 9 - Line up white dots

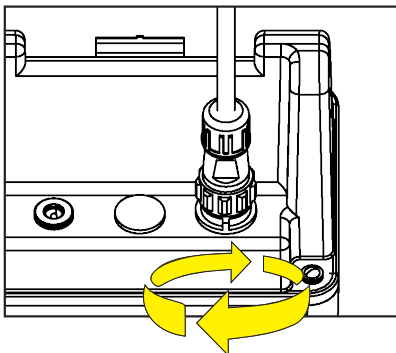
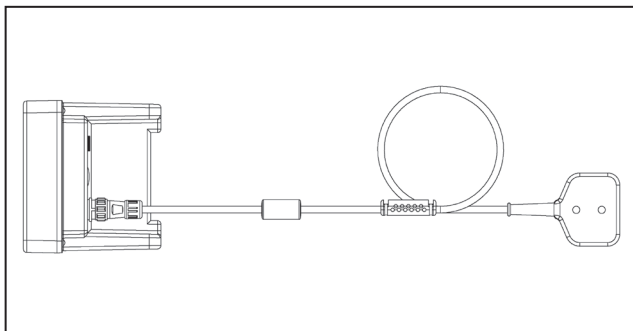


Figure 10 - Screw connector cable to socket

Controller with TSMC attached.



*Figure 11 - Controller with TSMC connected.
(View from below)*

Attach Controller to Baby Pod shell by locating mounting clip on Controller and connecting with metal clip on side of Baby Pod. (See figures 12 & 13)

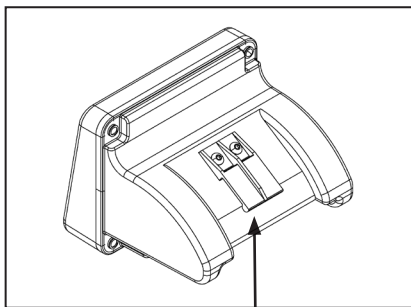


Figure 12- Flexible mounting clip on Controller

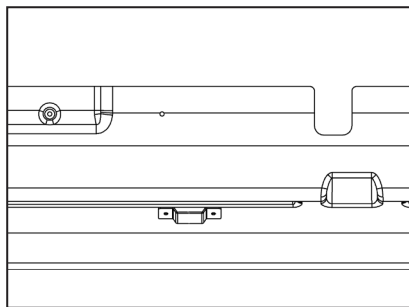


Figure 13- Attached metal clip on Baby Pod

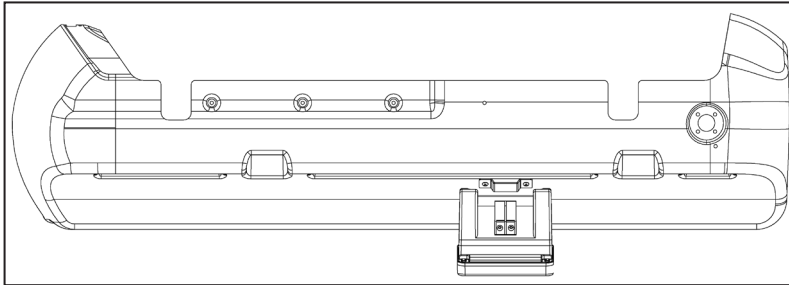


Figure 14

Locate Controller mounting clip and connect with metal clip.

Rotate Controller as indicated when attaching Controller. (Figures 15 & 16)

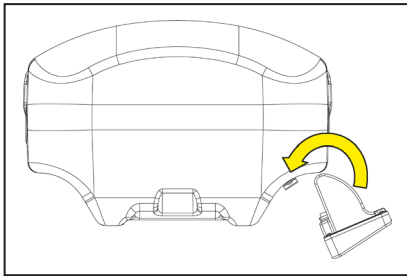


Figure 15

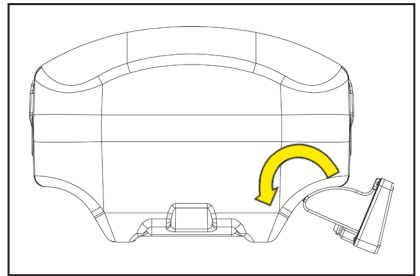


Figure 16

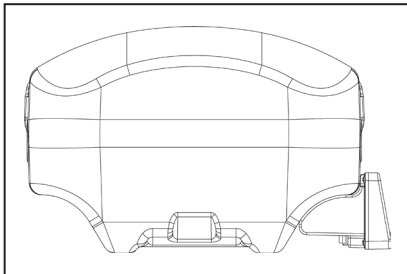


Figure 17

Ensure cable is not trapped between Controller and Baby Pod® shell.



Check Controller is connected securely.

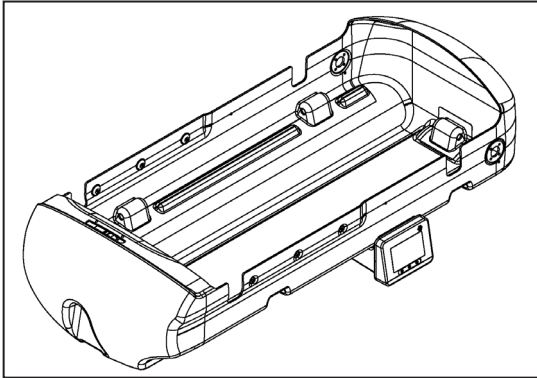


Figure 18

Section 5 - Removing Controller from a Baby Pod

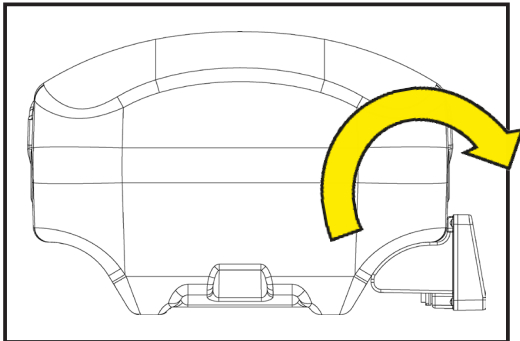


Figure 19

To remove the Controller, you lift the Controller in a circular motion and slide the Controller away from the Baby Pod.

Using TS Matrix

Remove TS Matrix from pouch. If any sign of damage on TS Matrix, do not use.

Place TS Matrix on top of vacuum mattress.

Note: Take care that the perforated adhesive flanges are not damaged. If they are, there is risk that the circuit might be broken and TS Matrix will require replacement. (Figure 20)

Line up the adhesive flanges of the TS Matrix with the central flat flange areas of the vacuum mattress. (Figure 23)

Peel of release paper from adhesive flanges and adhere to vacuum mattress. (Figure 21)

Non-woven fabric must be upper most. Ensure connecting tail is not between TS Matrix and vacuum mattress.

Consolidate the bond of the adhesive to the mattress by gently rubbing non-woven fabric on flanges of TS Matrix. (Figure 22)

This adheres the TS Matrix to the vacuum mattress. (Figure 23)

Refer to the BP37 Infant Temperature Maintenance Kit IFU and BabyPod 2 & BabyPod 20 Operating and Maintenance Manuals for further detailed instructions.

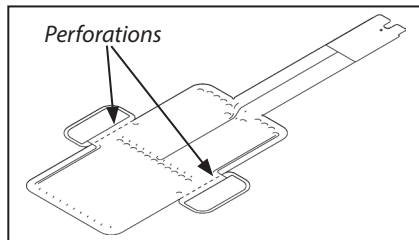


Figure 20 - Perforations

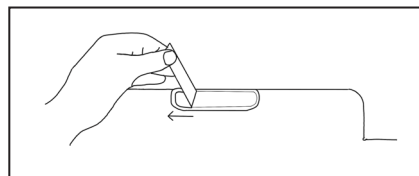


Figure 21 - Removal of release paper from adhesive pads

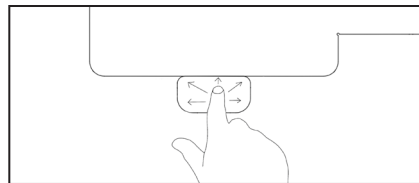


Figure 22 - Rub down adhesive flanges

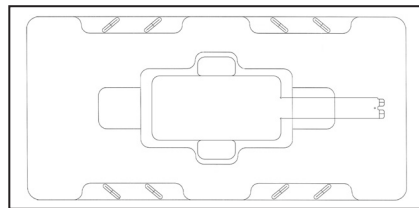


Figure 23 - Matrix secured to vacuum mattress

**BabyPod® and NeoPod®
are registered trademarks.**

**BP37, BabyPod 2, BabyPod 20 & NeoPod
are patented products.**



**Manufactured in France on behalf of
Advanced Healthcare Technology Ltd.
Unit 6, The Mead Business Centre,
Mead Lane, Hertford, Herts. SG13 7BJ,
United Kingdom
Tel: +44(0)1992 535933
Email: sales@babypod.com
Web: www.babypod.com**

EC	REP
-----------	------------

**Advanced Healthcare Technologies s.r.o.
Varšavská 715/36
120 00 Prague 2
Czech Republic**



AHT-F-105 v3 01/25 BP37™ - Baby Pod Addendum