

Hovaboard – Construction Guide

A well equipped work shop and a good sense of humour is essential to the construction of a Hovaboard.

Attach the spacer boards to the top board; this will form a plenum chamber.

The fan, motor controller and batteries are mounted to the bottom board, so that the fan system can be wired up and tested before assembly.

Once the fan system is tested the top board and bottom board can be brought together to form the hovercraft plenum chamber.

The segmented skirt attaches between the top and bottom board, to channel the air from the chamber under the board. And there you have it, as simple as that!!!???

It is a good idea to build an in emergency cut-out to the motor controller to stop the fan if the rider falls off the board.

Hovaboard – Parts List

1 x Top board Aluminium honeycomb composite
1 x Base board Aluminium honeycomb composite
4 x Spacer boards Aluminium honeycomb composite

1 x Centrifugal fan – Similar to -

Mfr.'s Part #: R2E225-BE51-09

Allied Stock #: 600-2225

Manufacturer: EBM, INDUSTRIES

Description: Backward Curve AC Impeller CFM710

1 x 48V power system (Lithium Ion)

1 x Motor controller

1 x Segmented hovercraft skirt (rubberised nylon)

Assorted nuts, bolts, cables and connectors.

