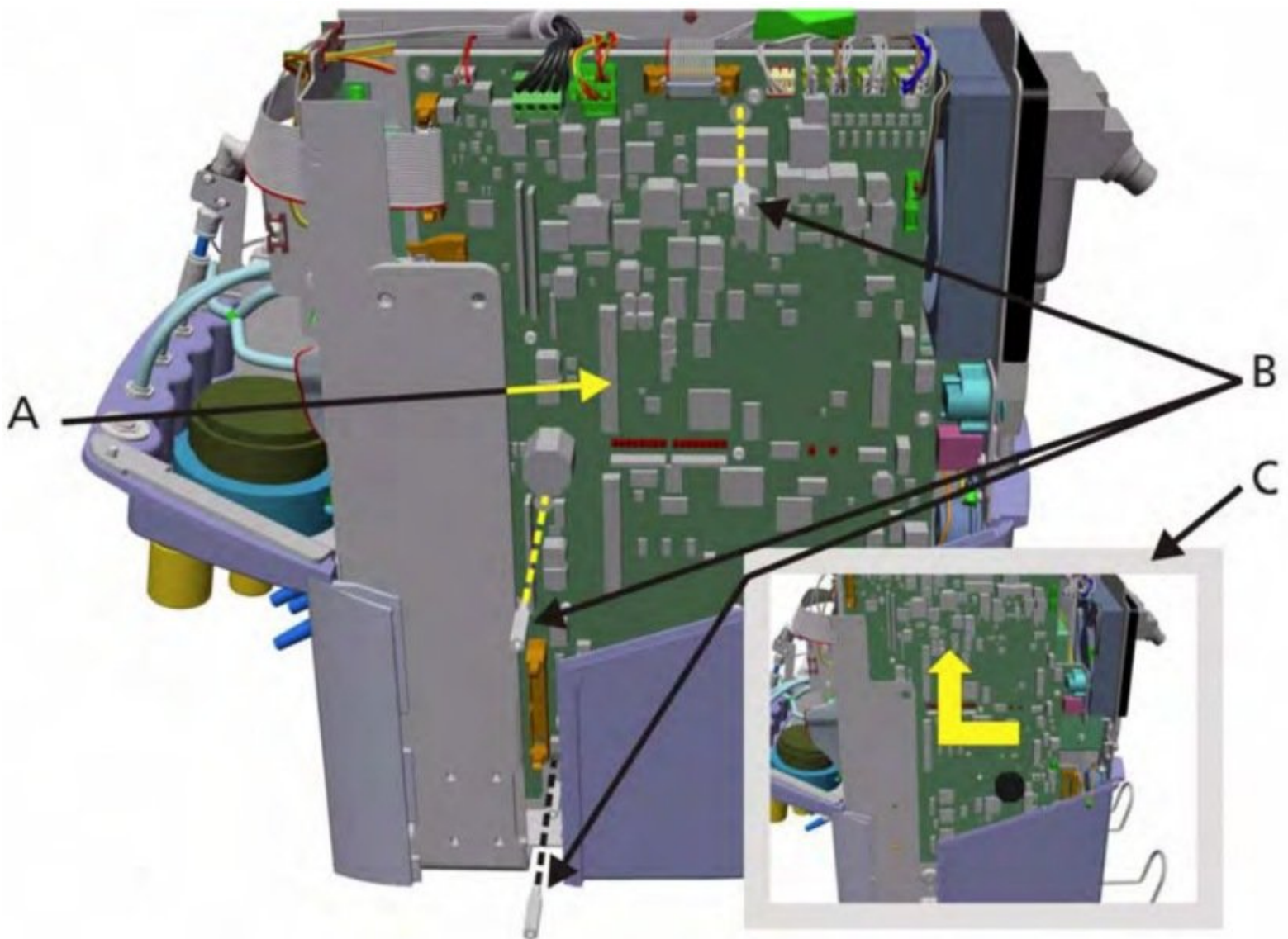




Hamilton G5 Ventilation Unit Motherboard Replacement

Use this guide to replace the ventilation unit motherboard in the Hamilton G5 ventilator.

Written By: Dane Dormedy



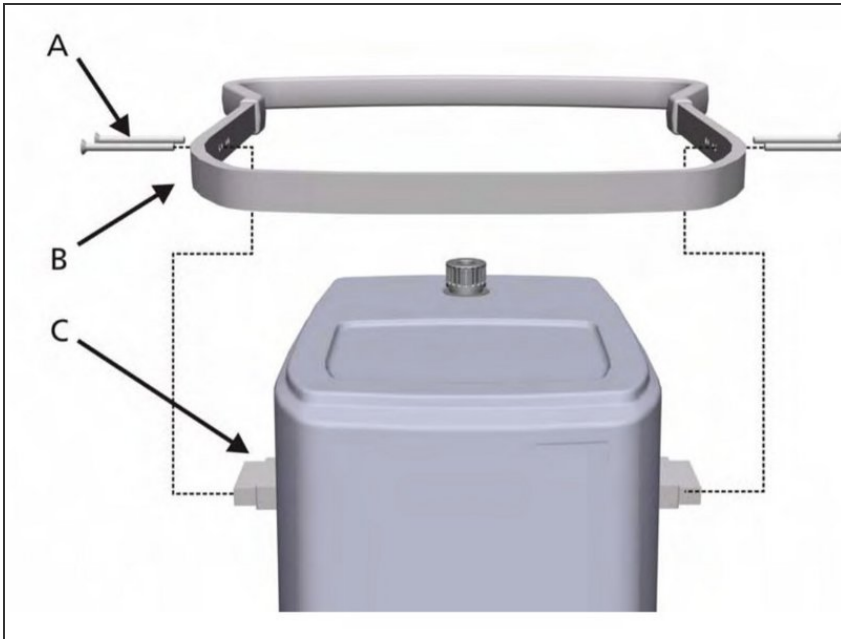
INTRODUCTION

For more information on replacing the motherboard, please refer to **section 10** in the service manual.

TOOLS:

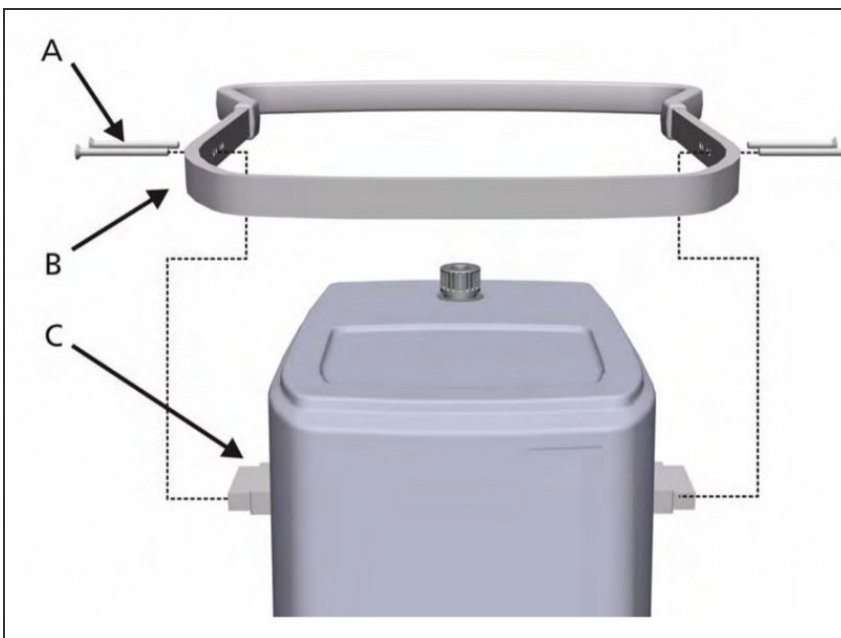
- [Allen Wrench](#) (1)
-

Step 1 — Rail



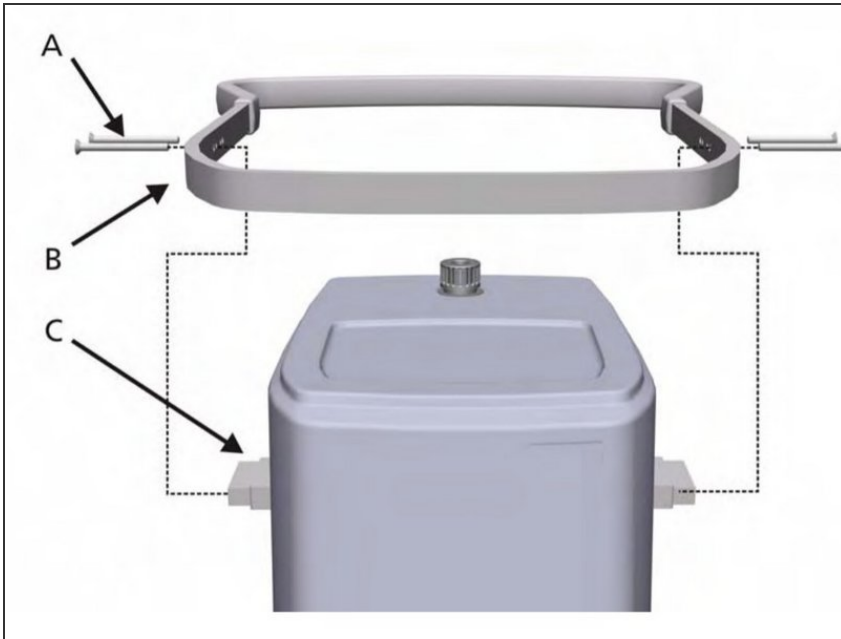
- Remove 4 Hex Allen screws (A) from the Rail surrounding the Ventilation Unit.

Step 2



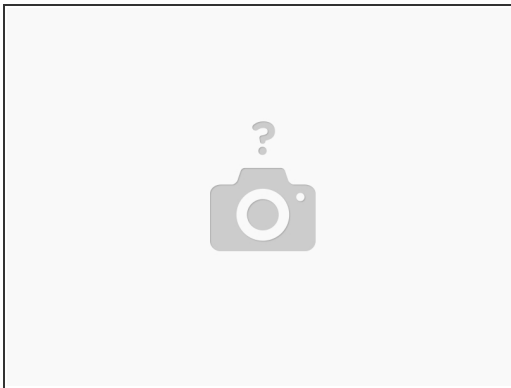
- Remove the Rail (B).

Step 3



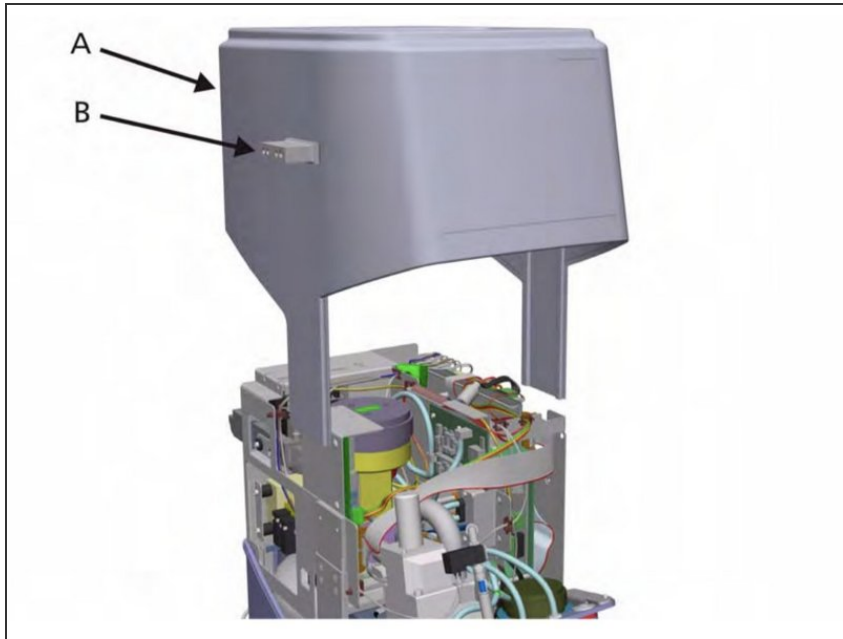
- The Standoff Brackets (C) remain with the Main Cover.

Step 4



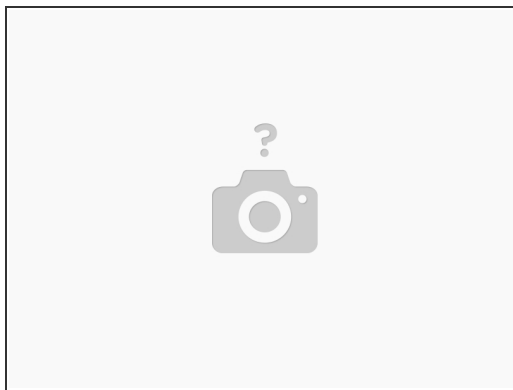
- Place aside in a safe location.

Step 5 — Main Cover



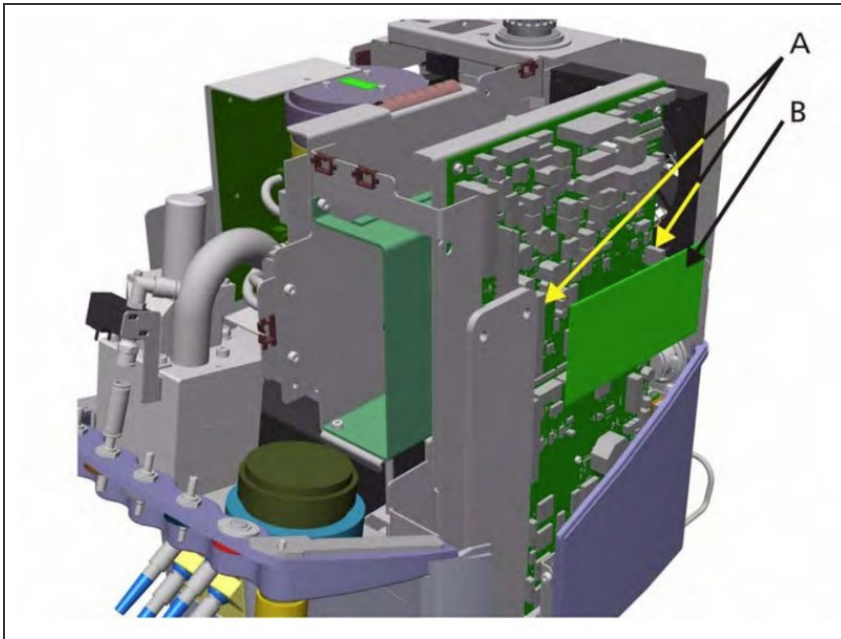
- Lift the Main Cover (A) from the Ventilation Unit using the Standoff Brackets (B) attached to the Main Cover.

Step 6



- Place aside in a safe location.

Step 7 — Ventilation Unit Motherboard



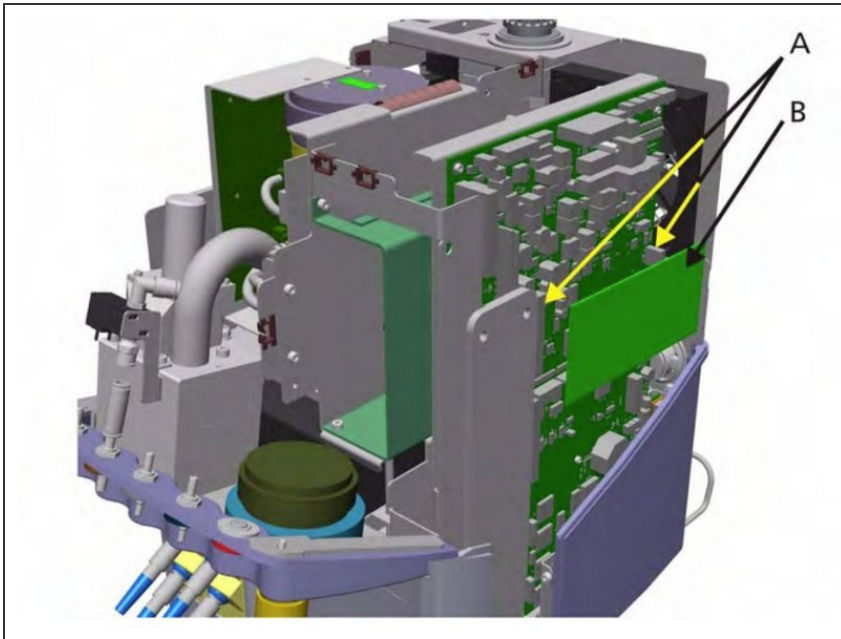
- First, we need to remove the ESM module. It is connected to 2 connector sockets. Disconnect and remove.

Step 8



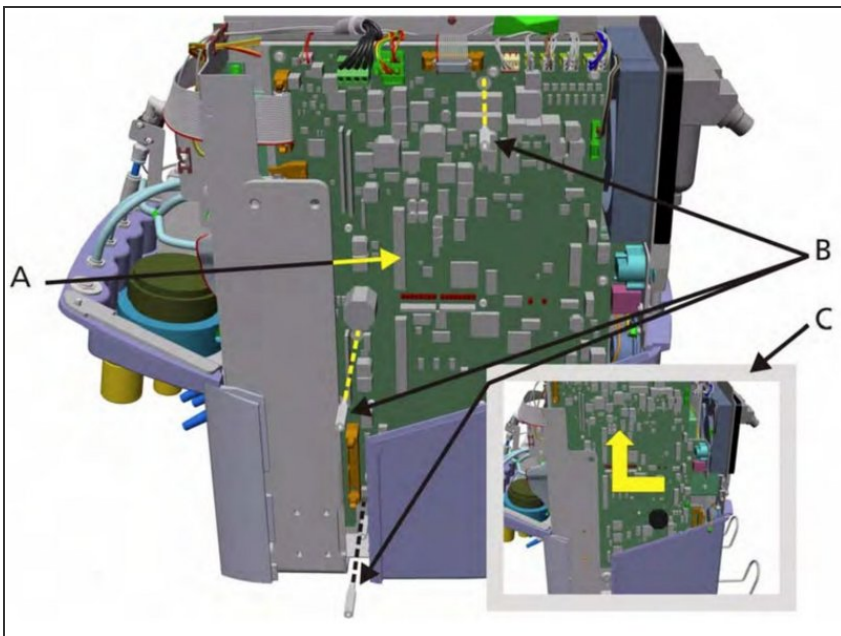
- Take out the Ventilation Real-time Controller (VRC) SW chip

Step 9



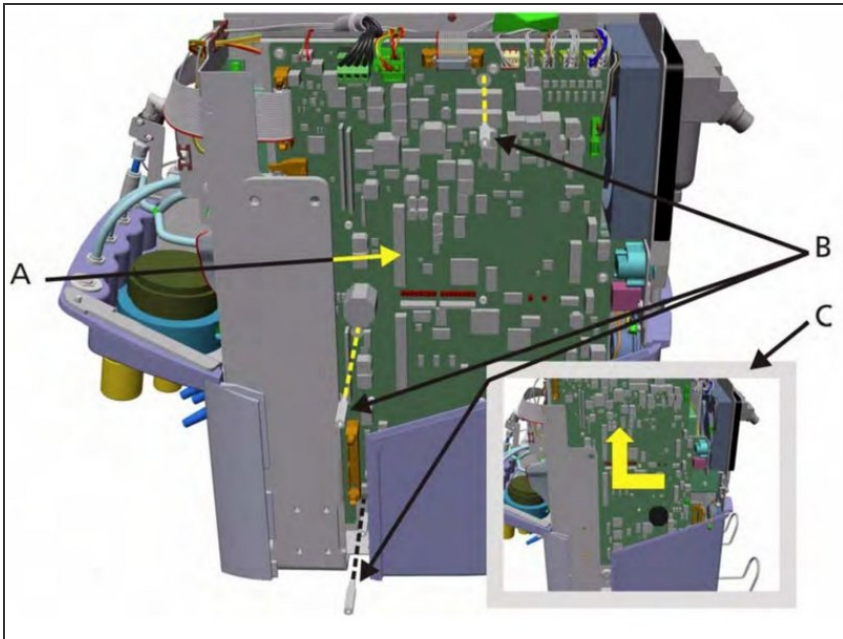
- Install the ESM Module, by connecting the connectors (A), and the VRC SW chip on the new board.

Step 10



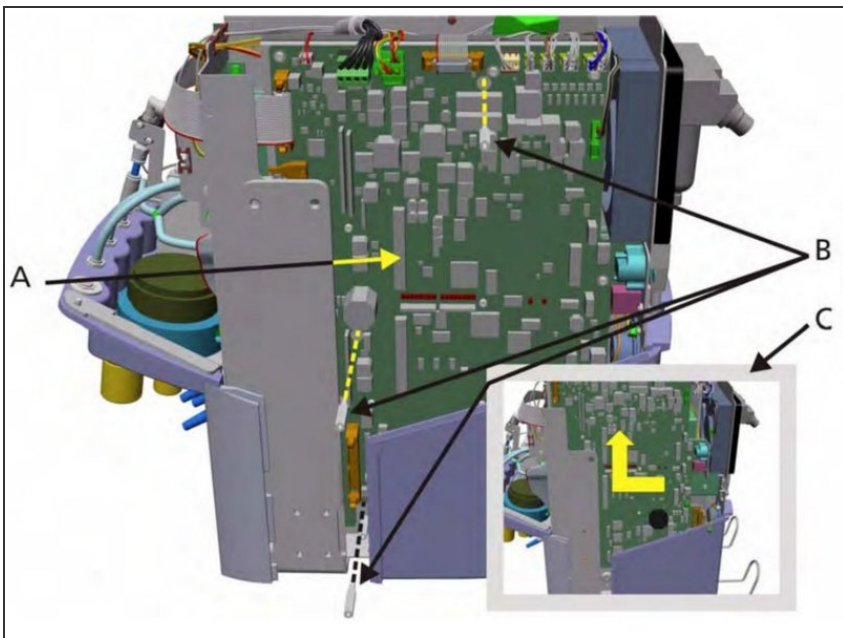
- Disconnect all cables and connections from the board to the unit.

Step 11



- Remove the three Hex screws (B).

Step 12



- Move the motherboard out then up away from the ventilation unit (C).

To reassemble your device, follow these instructions in reverse order.