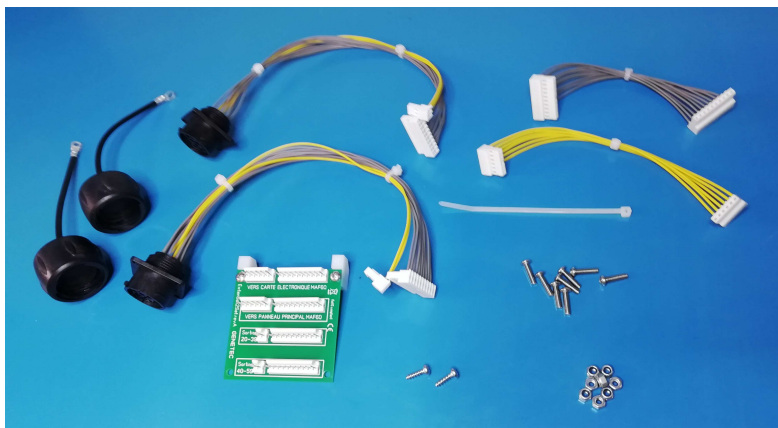


kit SAT2SAT

Installation procedure

Time : 45mn
Difficulty : 3/5



Kit contents :

- 1 interconnection board
- 2 connectors socket Souriau pre-wired
- 2 protection caps Souriau
- 1 grey cable 10 pins
- 1 yellow cable 6 pins
- 1 cable tie
- 2 self-tapping phillips screws
- 8 phillips screws M3x20
- 8 nuts nylstop M3
- 1 drilling template
- 1 output test bulb *code Visulamp*

Tools required :

1 phillips screwdriver / 1 wrench 5.5 mm/ 1 electric drill / 1 drill 1.5mm / 1 drill 3.5mm / 1 hole saw 21mm / 1 cutting pliers / scotch tape. And in addition for the wooden flight-case version 1 allen key 3mm.



Device must be turned off.
Unscrew the 18 peripheral panel fixing screws (only 4 wooden flight-case version).



At the terminal blocks, unscrew the 2 screws only close to T1 and T3. Replace them with the 2 self-tapping screws provided in the kit without fully tightening.

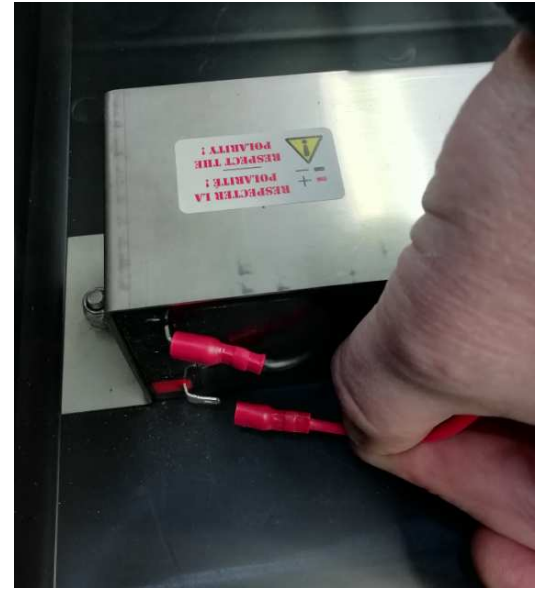
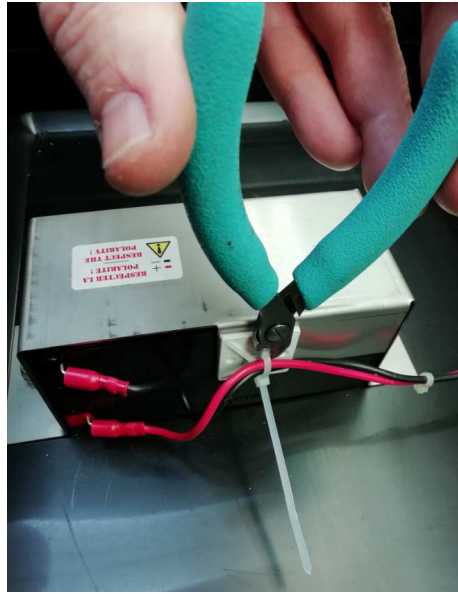
The 2 old screws are no longer useful.



Open the panel at 90°, and let it against the cover.

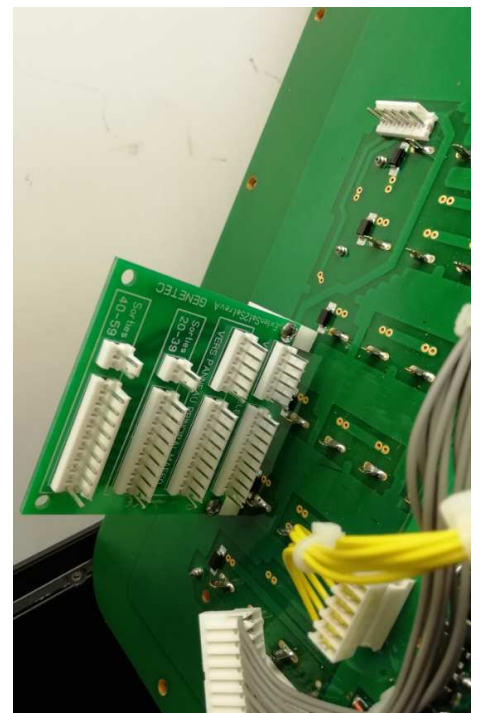
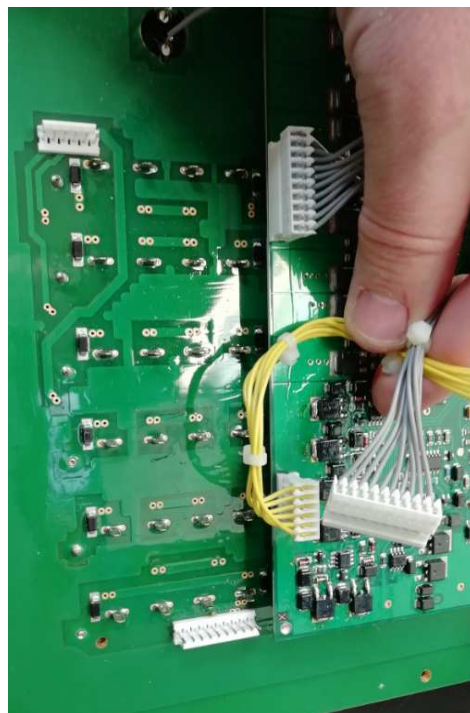
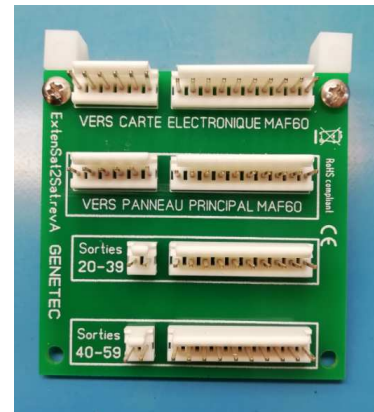
Cut the cable tie of the battery wires.
Do not damage the wires.

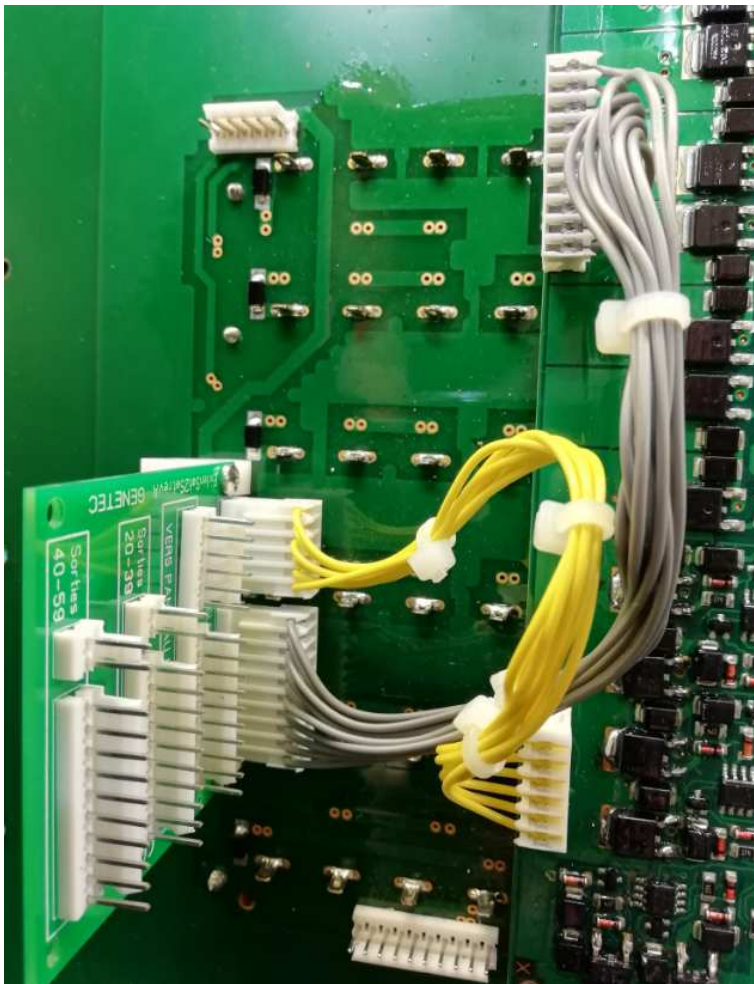
Unplug battery.
Pay attention to polarity



Lay the panel flat on a table, electronics on top.

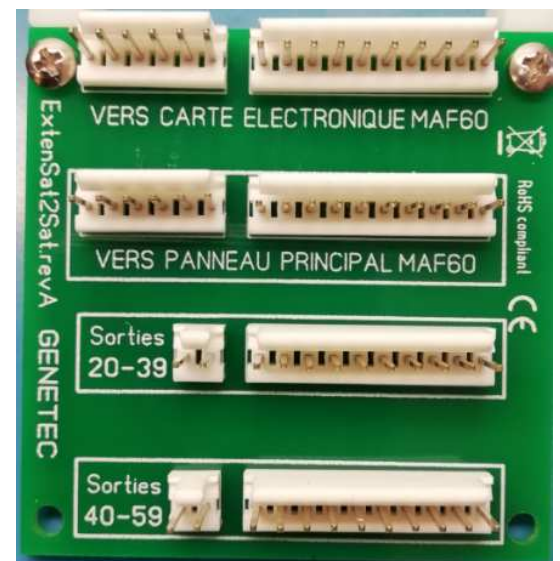
Disconnect the 2 connectors from the panel side only (leave them connected on the MAF60 electronic board side, be careful not to bend the contacts). Secure the interconnection board by completing the tightening of the 2 neighboring screws of T1 and T3.
Make sure the card is in good condition.





While holding the card, reconnect the 2 connectors of the MAF60 board (those disconnected in the previous step) to the 2 connectors of the interconnection board marked :
« VERS CARTE ELECTRONIQUE MAF60 ».

The wires should not be stretched. Be careful not to stagger the connectors when inserting.



Connect the 2 grey and yellow cables provided in the kit to the 2 connectors on the panel previously left free to the 2 connectors on the interconnection board marked :
« VERS PANNEAU PRINCIPAL MAF60 ».

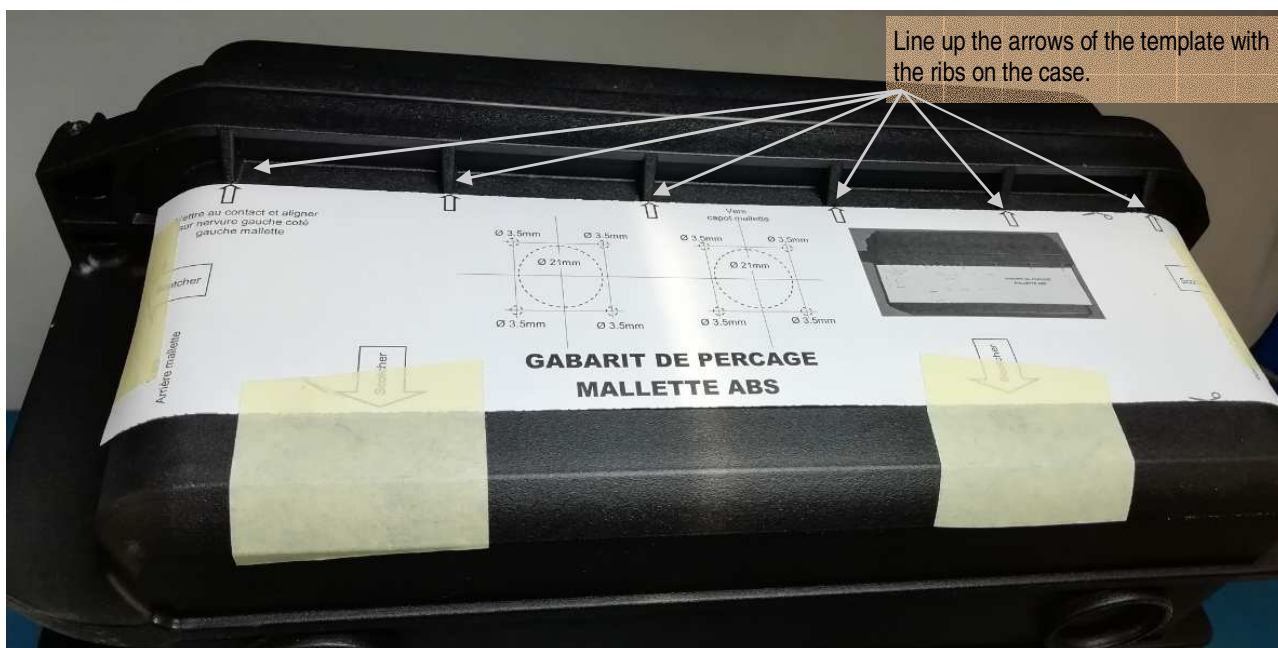
The wires should not be stretched. Be careful not to stagger the connectors when inserting.

Leave the MAF60 panel aside for now.

Cut out the supplied template corresponding to your case (ABS case or wooden flight-case) according to the dotted lines and position it on the left side of the case and tape it. Except for the battery, the case must be empty.

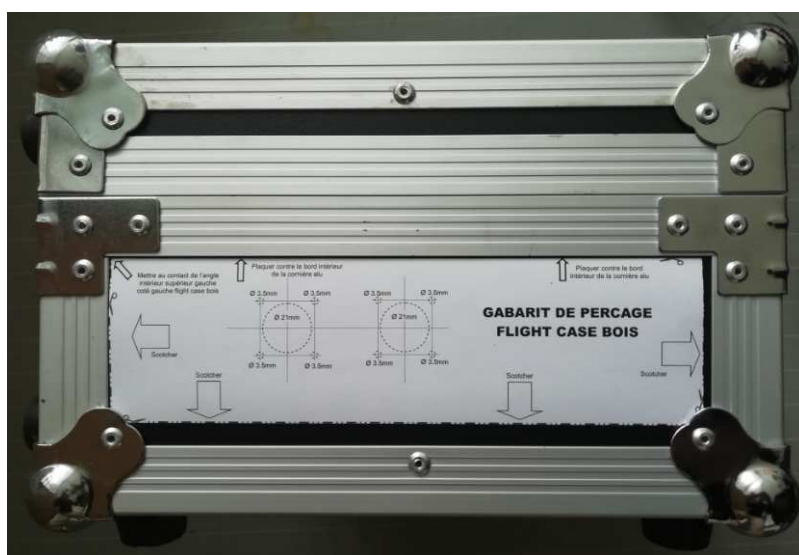
DO NOT BE ON THE WRONG LATERAL SIDE.

Backside



Handle side

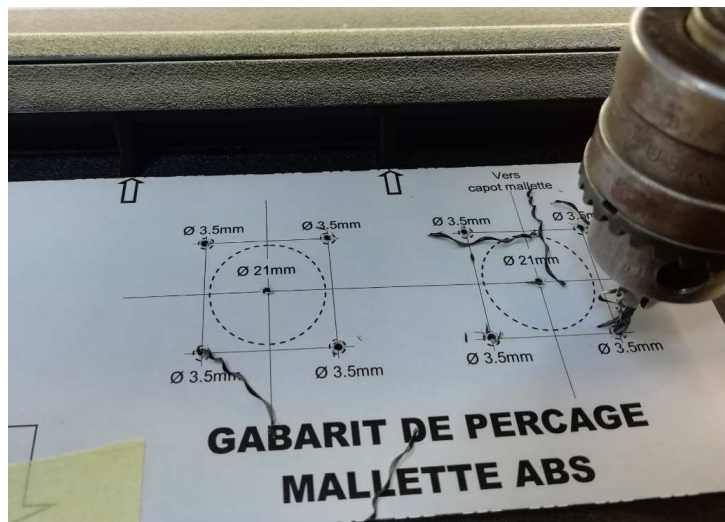
Backside



Handle side

Template for wooden Flight case version

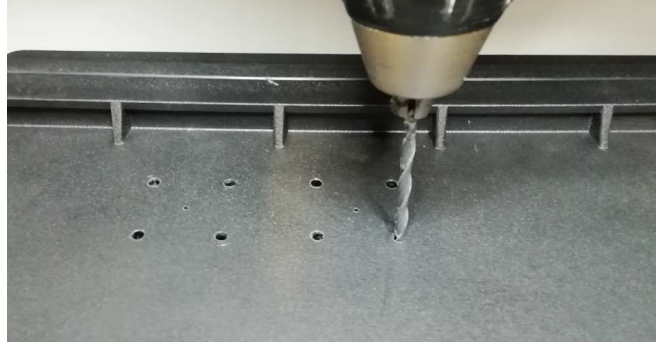
Make the 10 starter holes with precision with the 1.5 mm drill



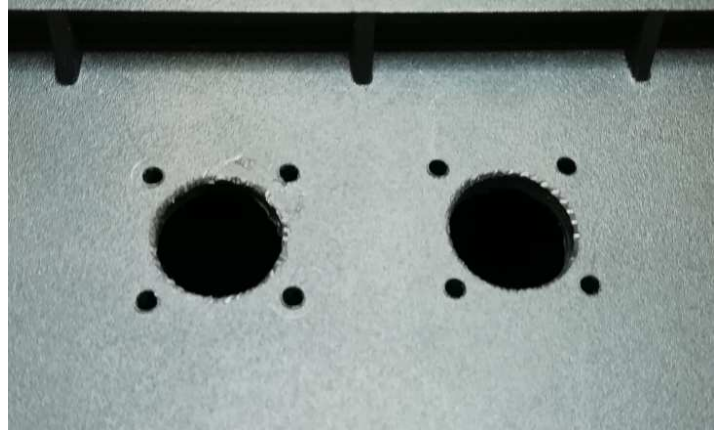
Remove the template



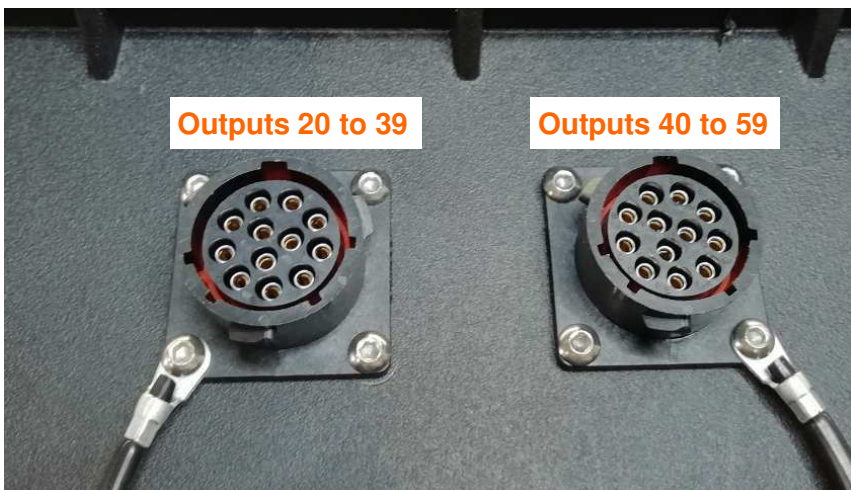
Enlarge the holes with the 3.5mm drill



Enlarge the 2 central holes with the 21mm hole saw . Deburr, remove chips.



Fit the Souriau connectors, positioning key upwards, in the 2 holes, using the 8 Phillips M3X20 screws and the nylstop* nuts, without tightening them. Fit the protective caps such as for the Souriau from left to bottom left and for the Souriau from right to bottom right.



Tighten everything with the Phillips screwdriver and the 5.5 mm wrench.

Thus positioned, the Souriau on the left will correspond to the physical outputs 20 to 39 and the Souriau on the right will correspond to the physical outputs 40 to 59.

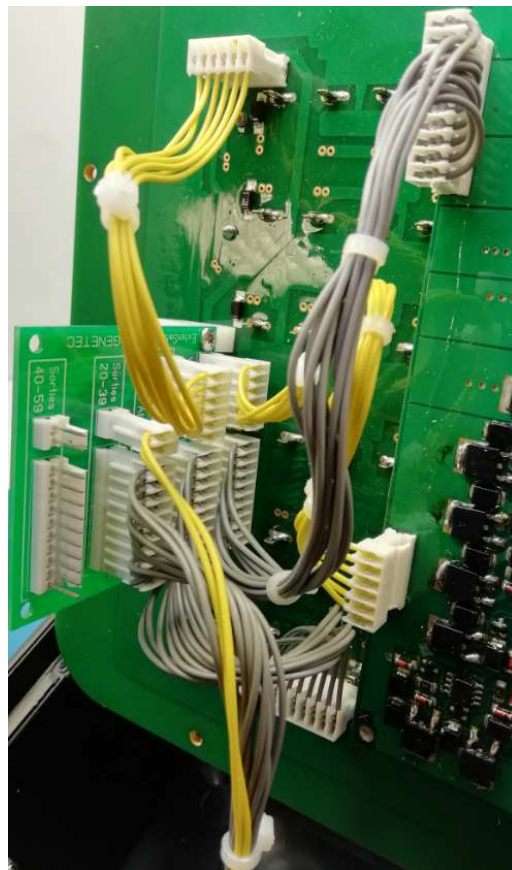
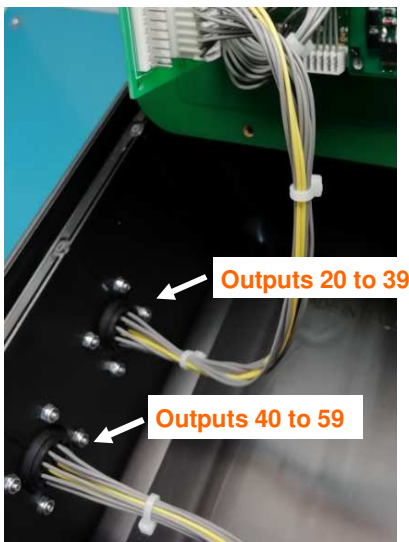
** you must use nylstop "lock" nuts, do not replace them with ordinary nuts.*



Re-put the panel at 90 °, and let it in that position against on the cover.

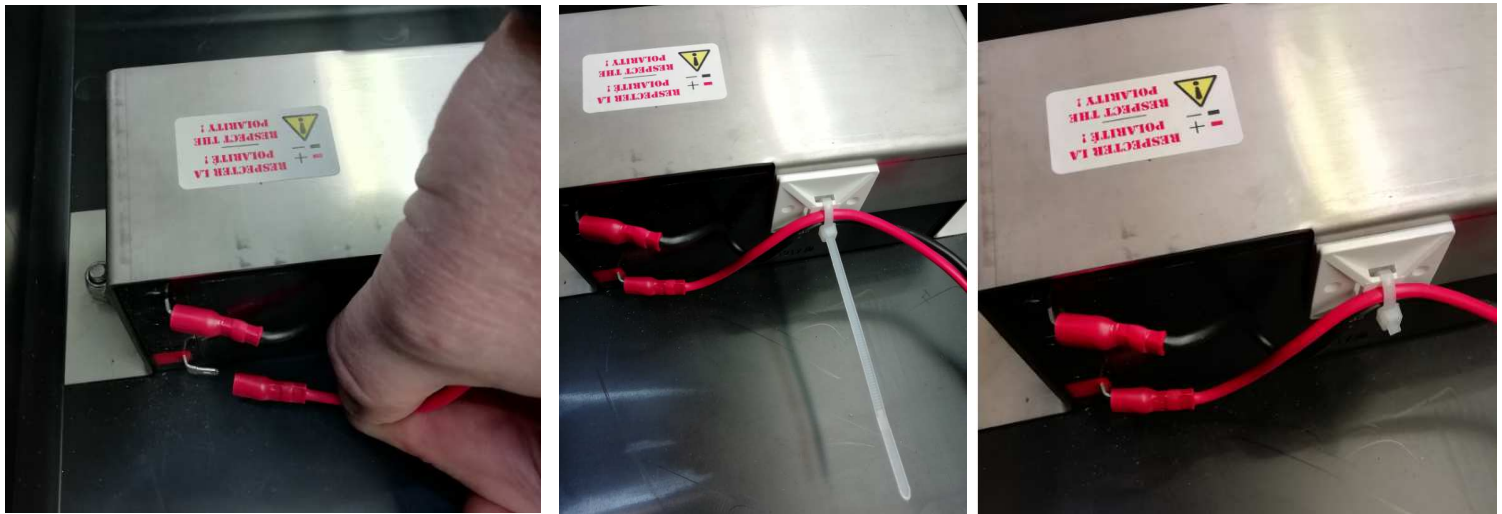
Plug the Souriau connector corresponding to outputs 20 to 39 on the interconnection board at the 2 connectors marked "Sorties 20-39". In the same way, plug the Souriau connector corresponding to outputs 40 to 59 on the interconnection board at the 2 connectors marked "Sorties 40-59".

Be careful not to stagger the connectors when inserting.

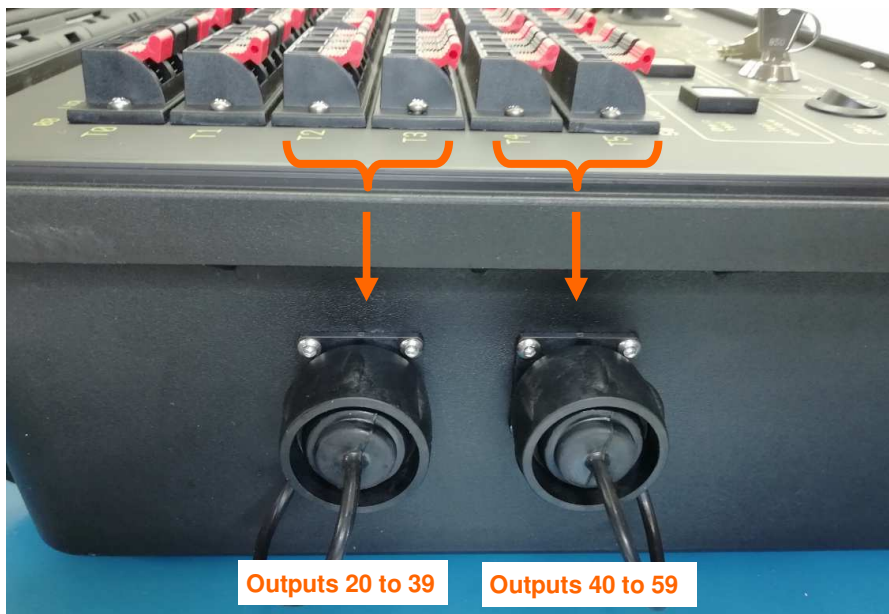


Main switch 0/1 still on 0, connect the two battery wires : **BE CAREFUL OF POLARITY !**
The + (red wire) on the red terminal of battery, and the - (black wire) on the black terminal of battery.
Any error of polarity, however brief it may be, will seriously damage the electronic board.

Fit the new cable tie. Before tightening it, leave a little flexibility in the wires on the terminal side, they must not be stretched.



Check that there are no tools, shavings or screws ... inside the case. Refit the panel, making sure not to trap any wire. Replace the 18 panel retaining screws. Tighten moderately so as not to damage the threads.



As installed, the Souriau output sockets are easy to locate: they are aligned vertically with the panel outputs to which they correspond.

Connect the SAT2SAT extensions. Test all the outputs of each of them with the provided shot test bulb (ref visulamp).