Build Guide - Africa Trophy

Accessory for “Model 4: Landy 4×4 Hardtop”
Accessory for “Model 5: Landy 4×4 Wagon”

This set consist of these items:

- roof rack with fog lights
- front bumper with working winch
- tailgate spare wheel holder
- hood spare wheel holder
- snorkel with air filter
- rear ladder
- hardtop windows protection
- fuel jerry cans
- plastic storage container
- aluminium box storage (3 different dimensions)

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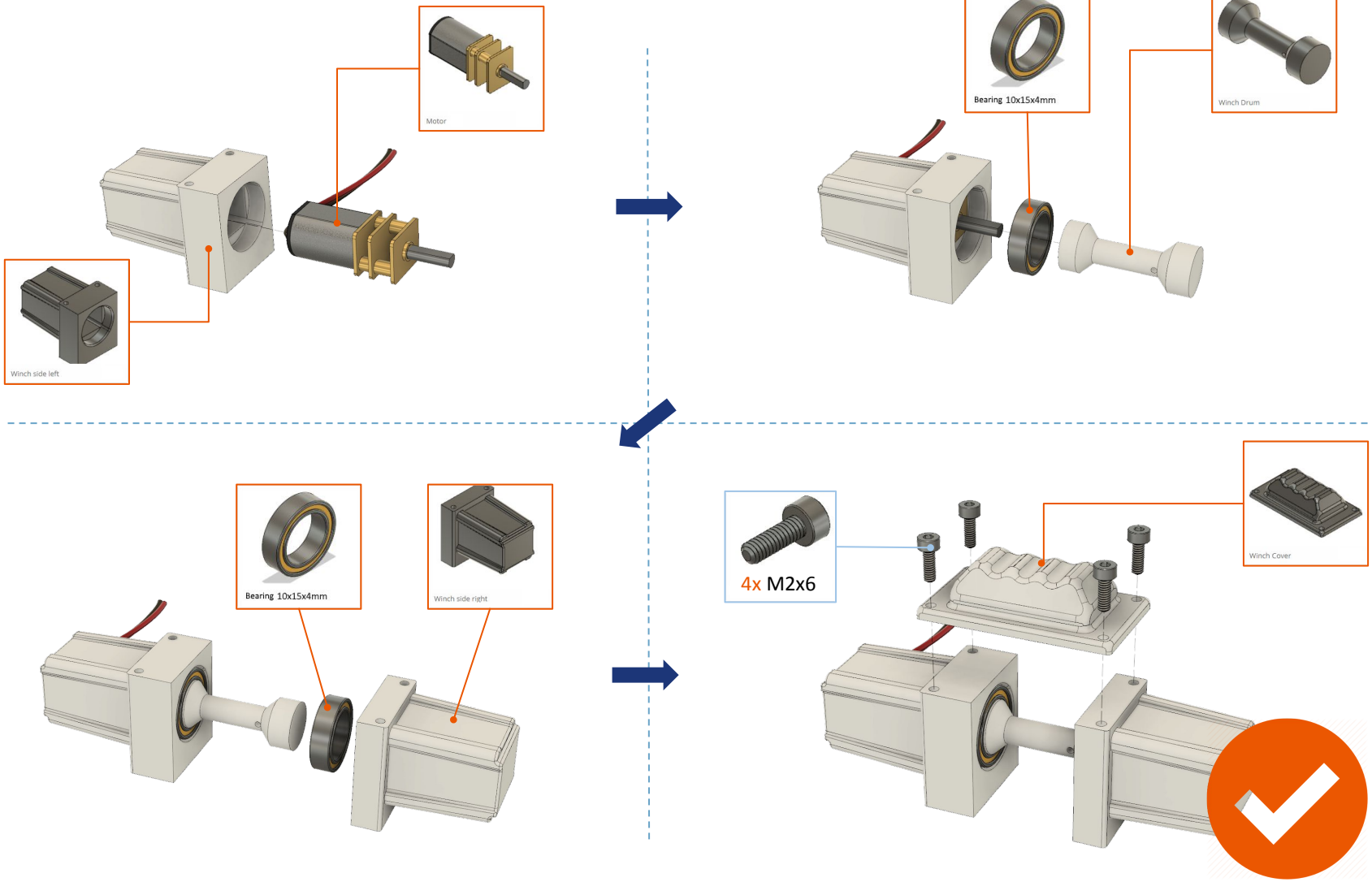
Version 1.0

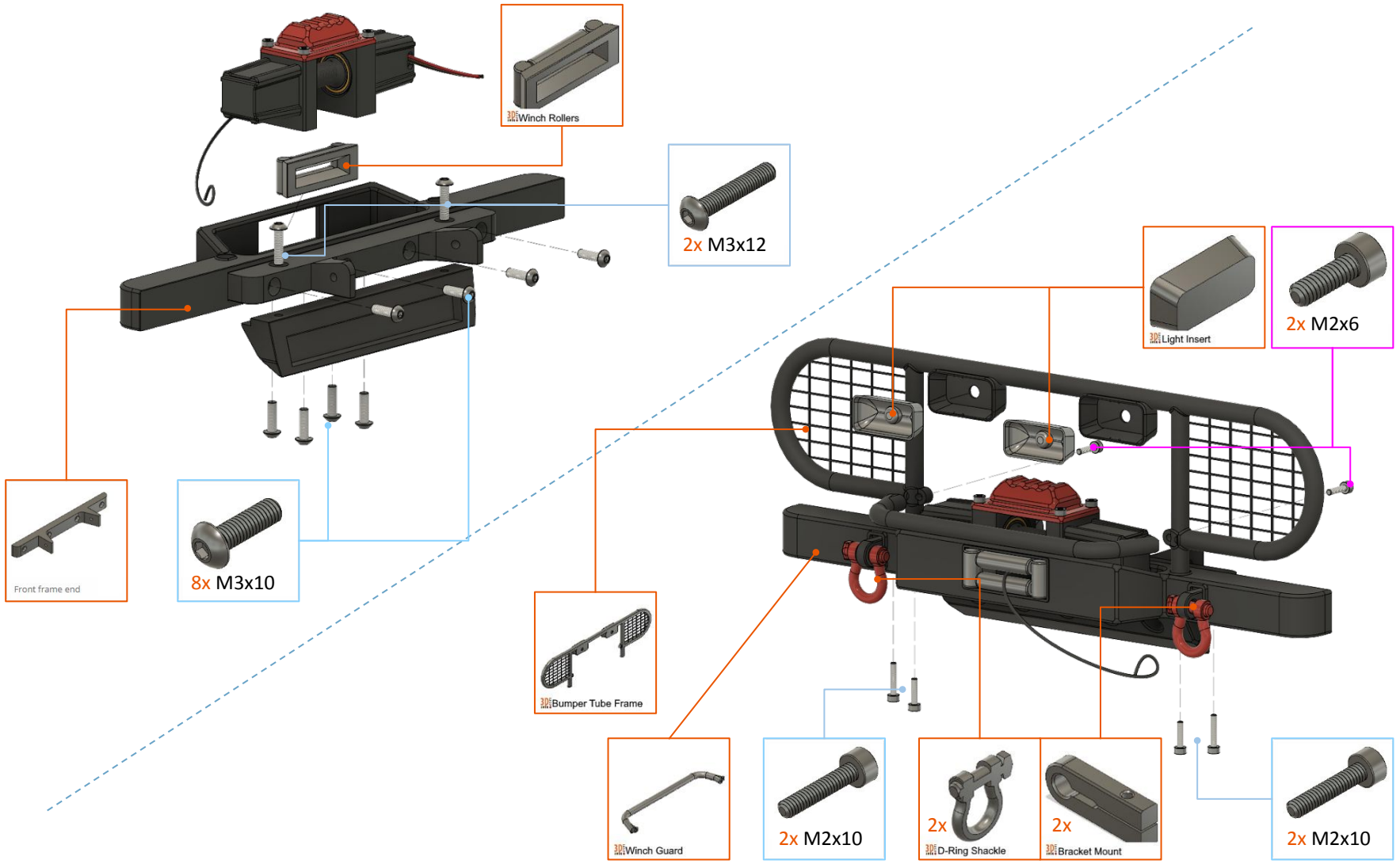
Africa Trophy : What do you need?

- This accessory is compatible with both Model 4: **Landy 4x4 - Hardtop** and Model 5: **Landy 4x4 - Wagon**. If you have a Landy Wagon, the only difference will be in the length of the Roof Rack – will be mentioned later.
- Print Filament: To print this model you will need 600 g of print filament in total and it is tested with the PLA material.
- To remote control the Winch, you need to have available one proportional channel, preferably controlled by 3-way switch. For the middle position = winch is stopped, for both end positions = winch si going in/out.
- Winch is driven by Micro DC Gear Motor 6V: Micro DC Gear Motor 6V 30rpm
- To control the winch you will need Speed controller (ESC) max size 40x30x25mm: Motor Speed RC ESC
- material for Winch Rope:
  - Super Strong Braided Wire Fishing Line 100LB (0,6mm) or
  - FDDL Lure As Gift The 100M 88LB (line number 8.0)
- Ball Bearing 10x15x4 mm - 6700ZZ: 2 pcs.: Bearing
- Screws:
  - M2x6: 57pcs (for Landy Wagon 70pcs)
  - M2x8: 6pcs
  - M2x10: 9pcs
  - M3x10: 10pcs
  - M3x12: 4pcs
  - M3x16: 1pcs

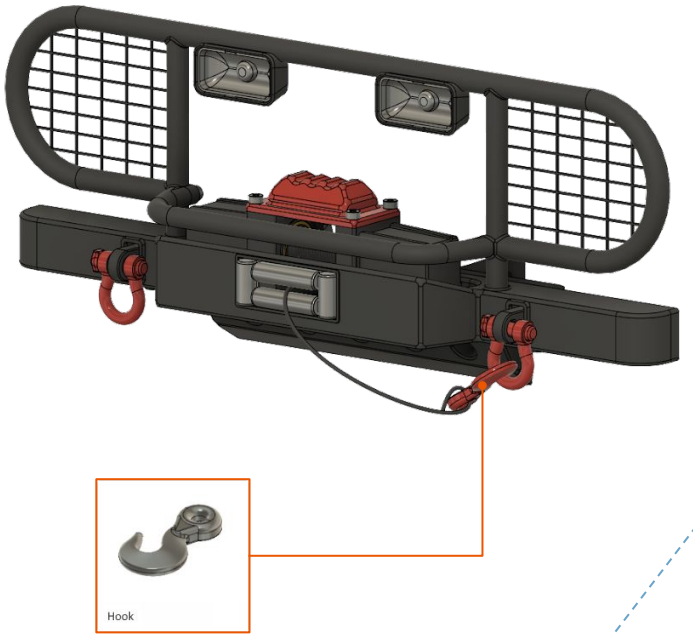
Winch – step 1/1



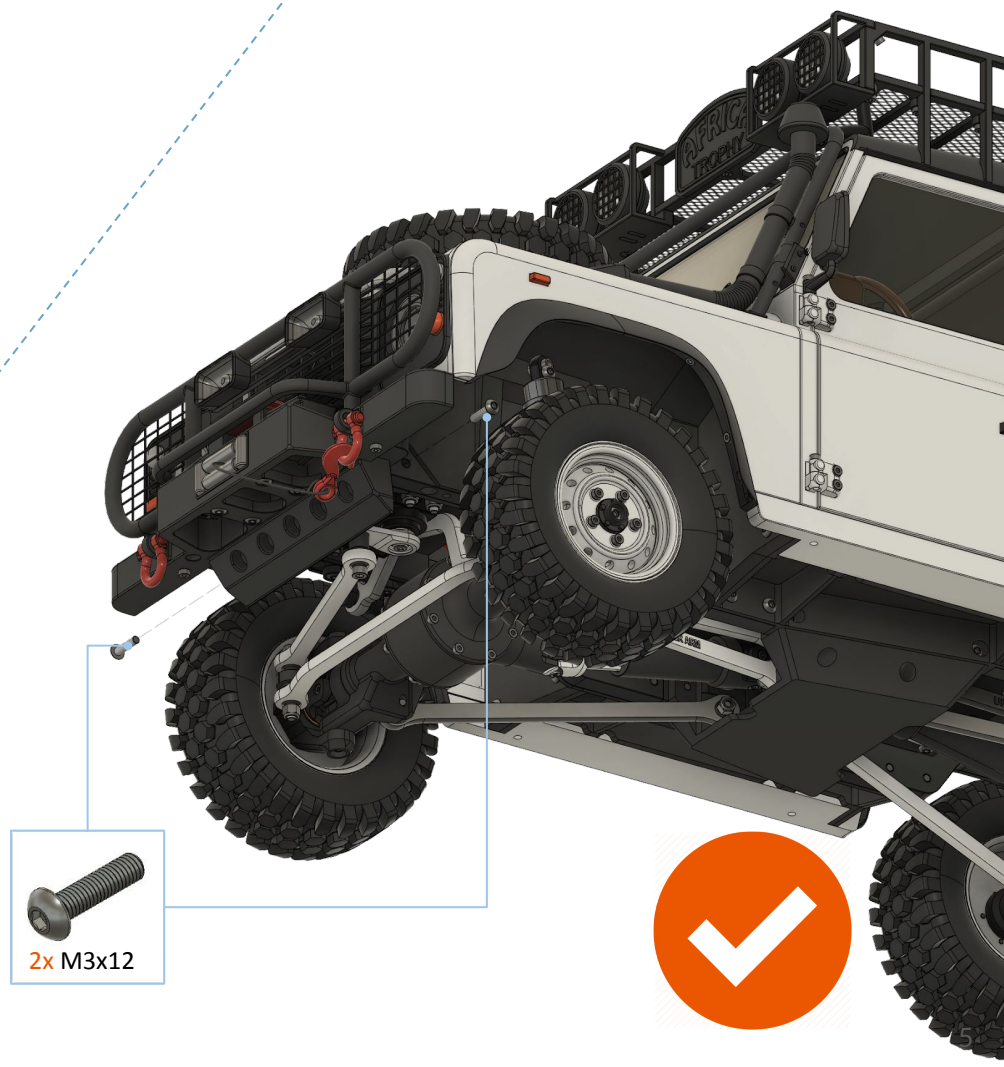
Front Bumper “Africa” – step 1-2/3



Front Bumper “Africa” – step 3/3



Hook



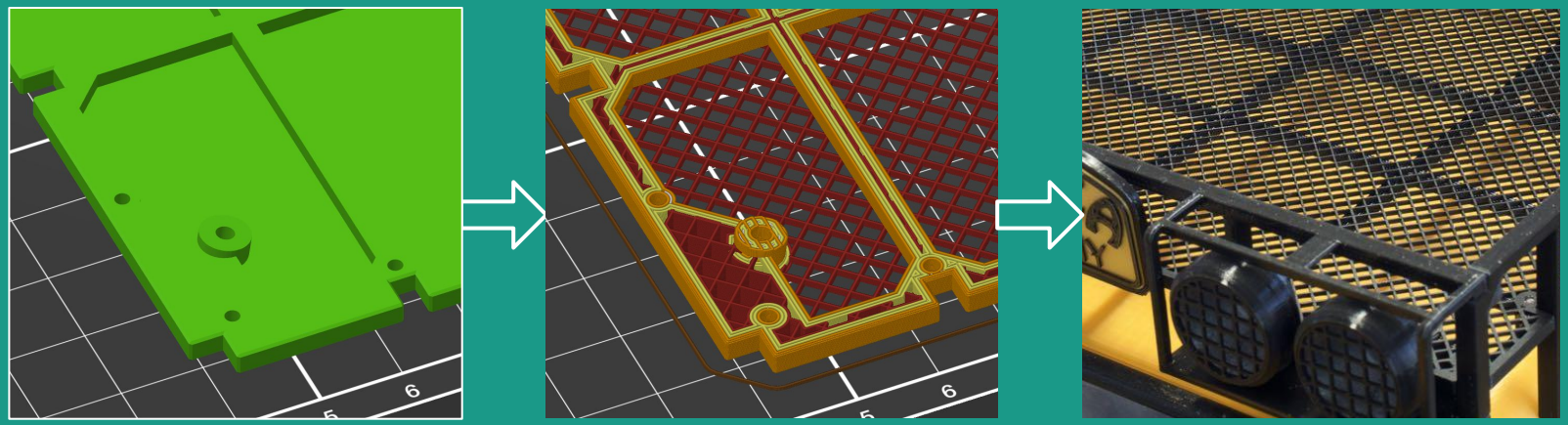
2x M3x12

Roof Rack “Africa” – important informations

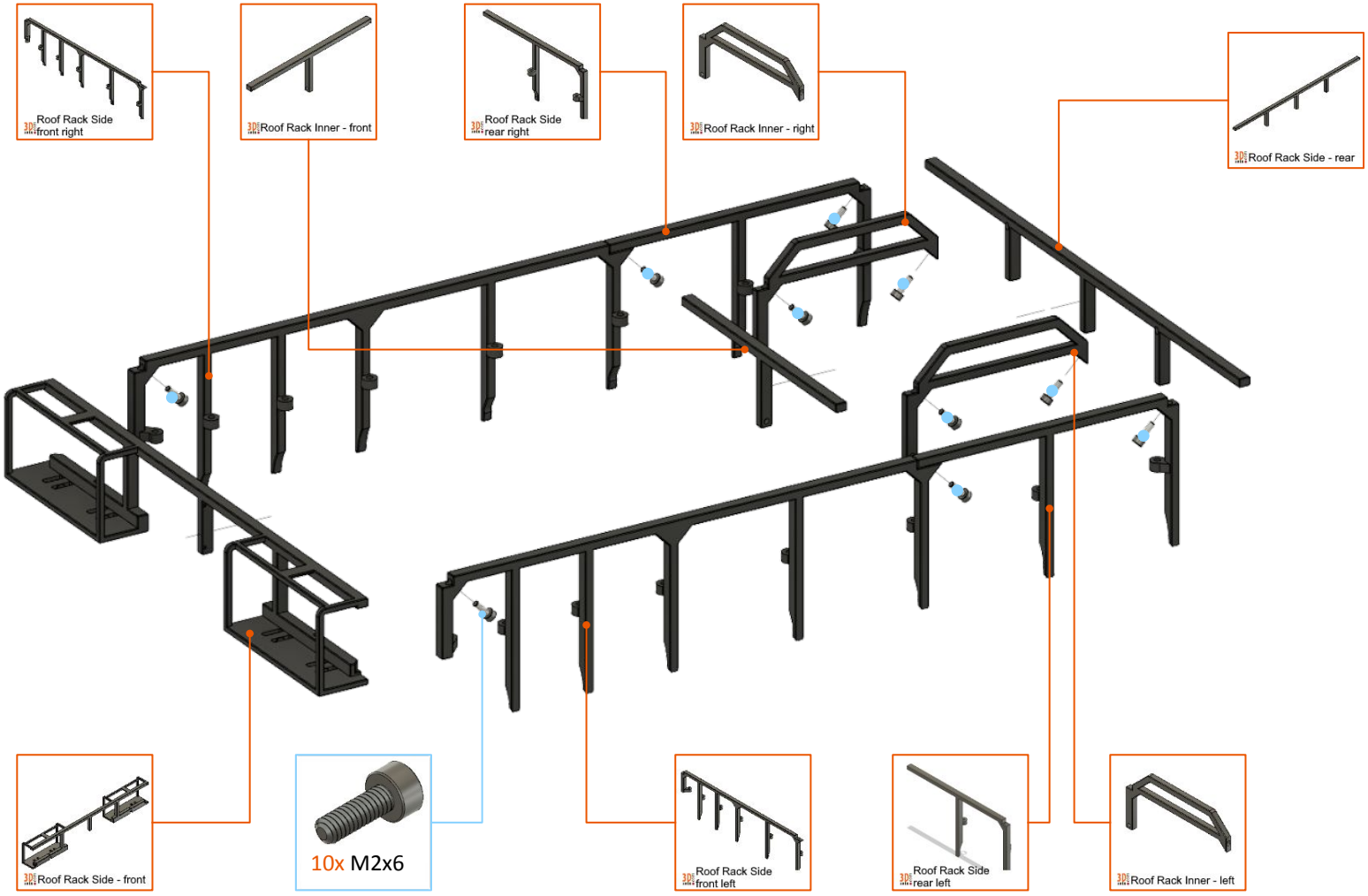
If you will print the part “Roof Rack - front, Roof Rack - rear or Roof Rack - Wagon” from the .stl file instead of printing from provided gcode, please use following slicer setup:

- No top infill, no bottom infill (0 top/bottom layers)
- Perimeters: 3
- Infill density: 30%
- Infill type: grid

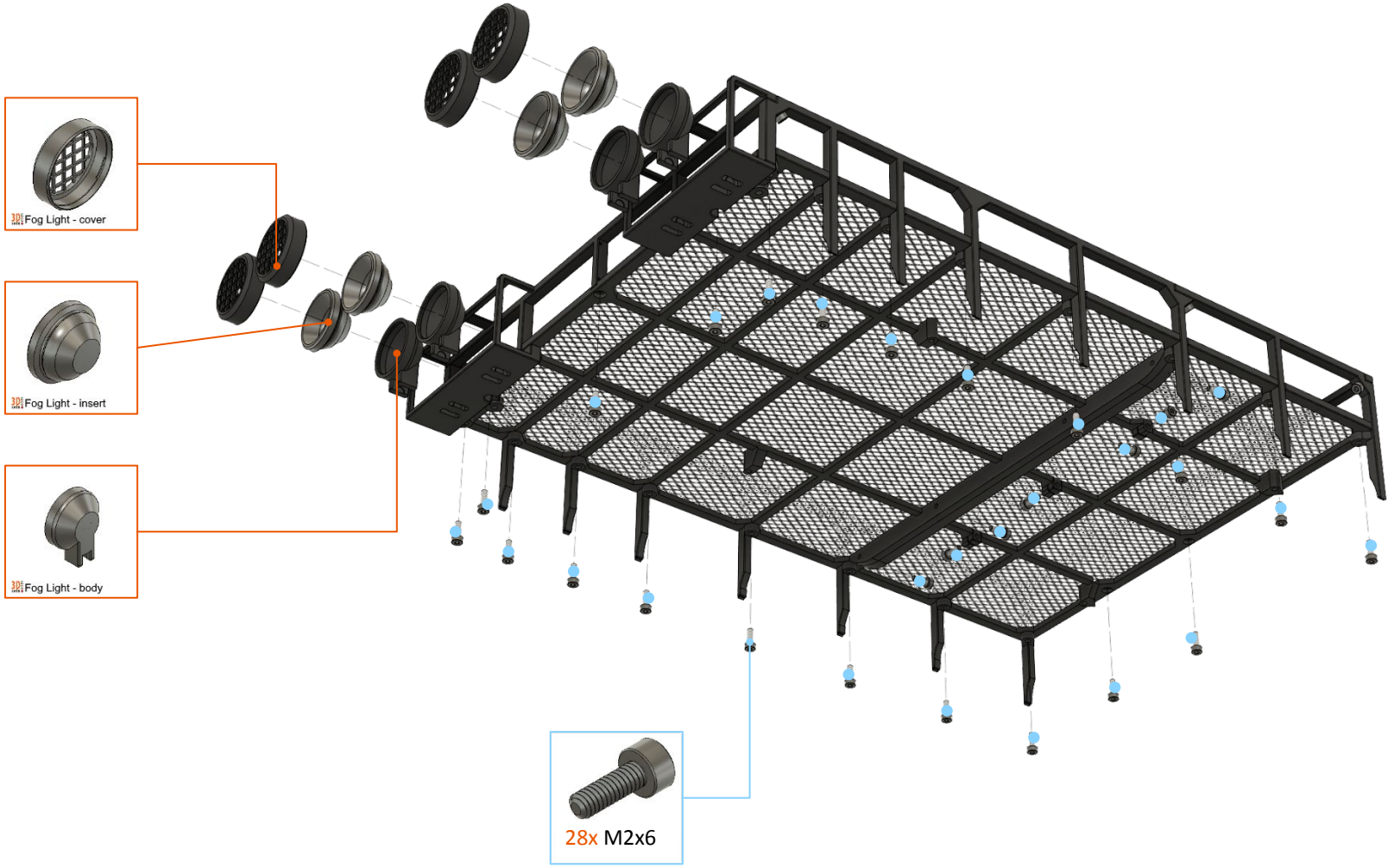
If you have Model 4: Landy 4x4 Hardtop, jump to page 7.
If you have Model 5: Landy 4x4 Wagon, jump to page 9. The only difference is in Roof Rack length!



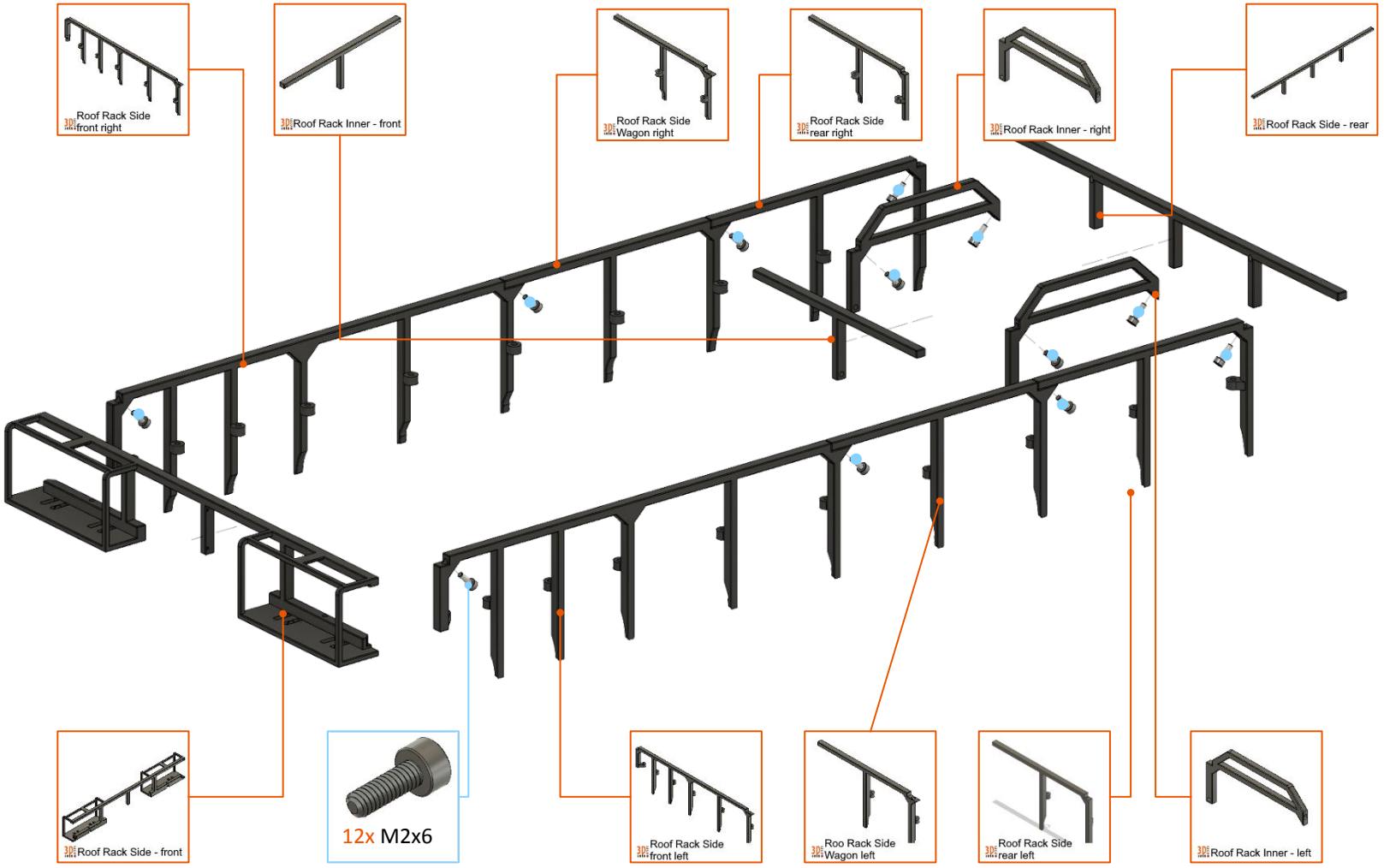
Roof Rack – for Landy Hardtop: step 1/4



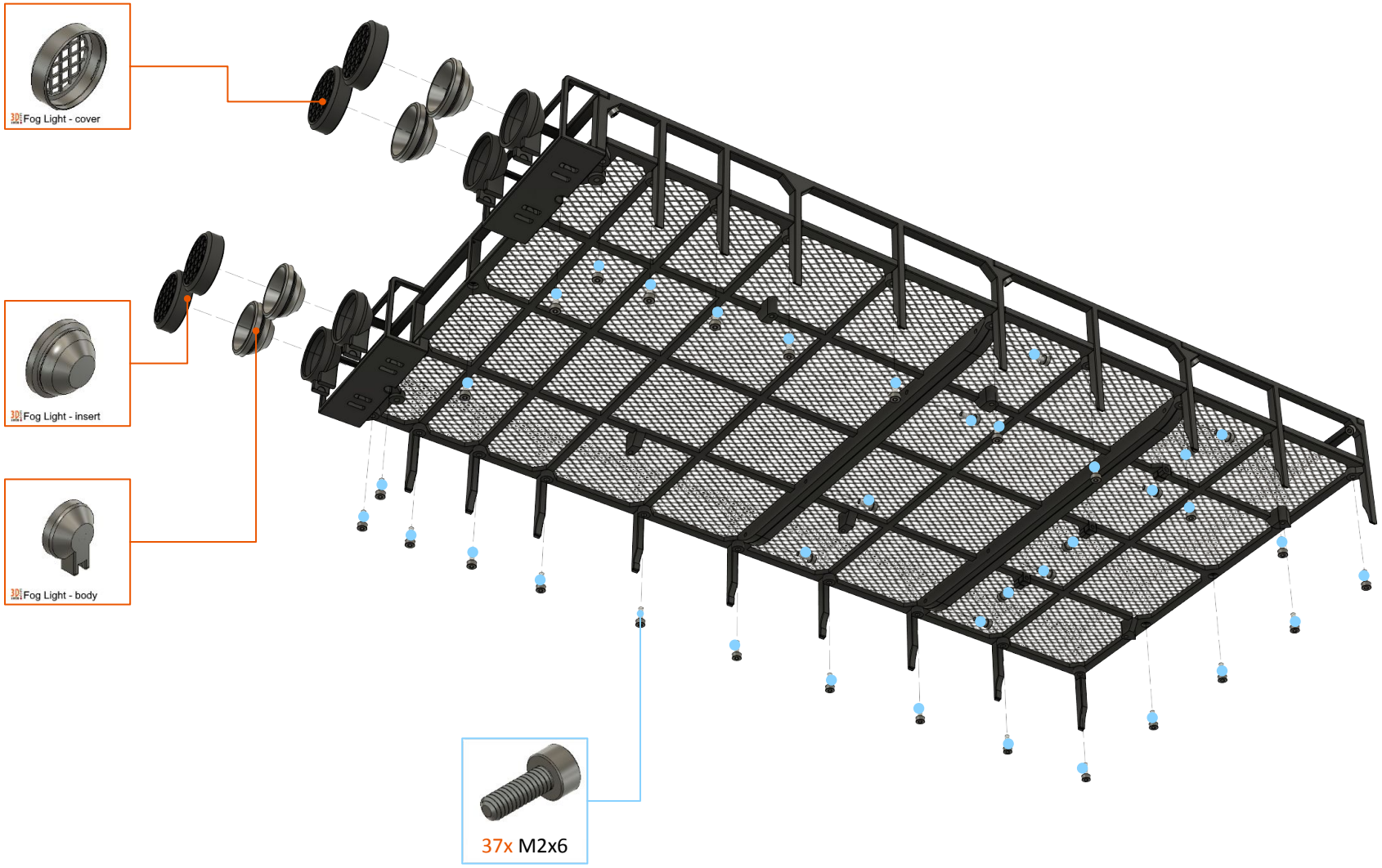
Roof Rack – for Landy Hardtop: step 2/4



Roof Rack – for Landy Wagon: step 1/4

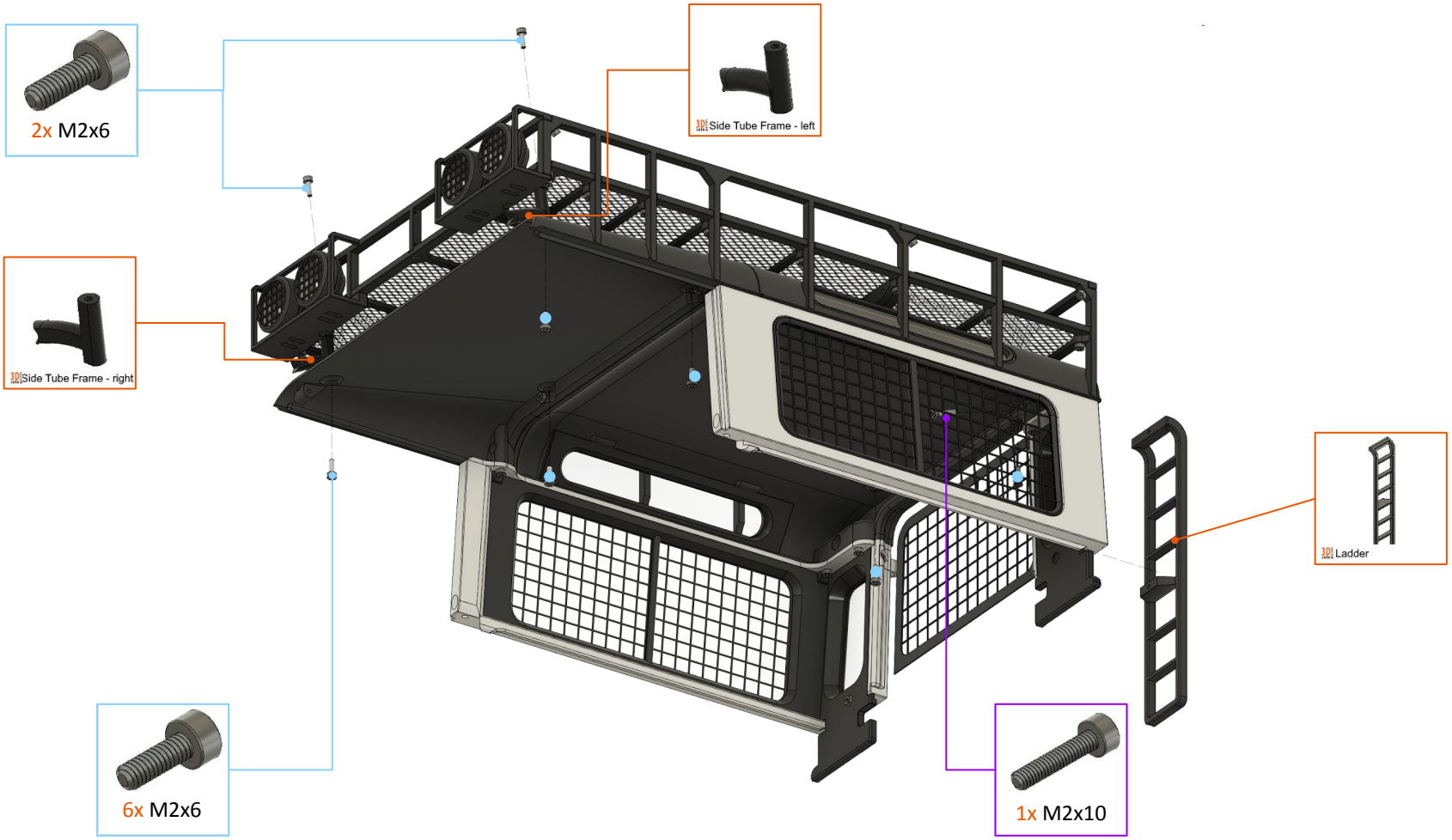


Roof Rack – for Landy Wagon: step 2/4



Roof Rack: step 3/4

Rendering shows only the Landy Hardtop version – situation for Landy Wagon is analogous.

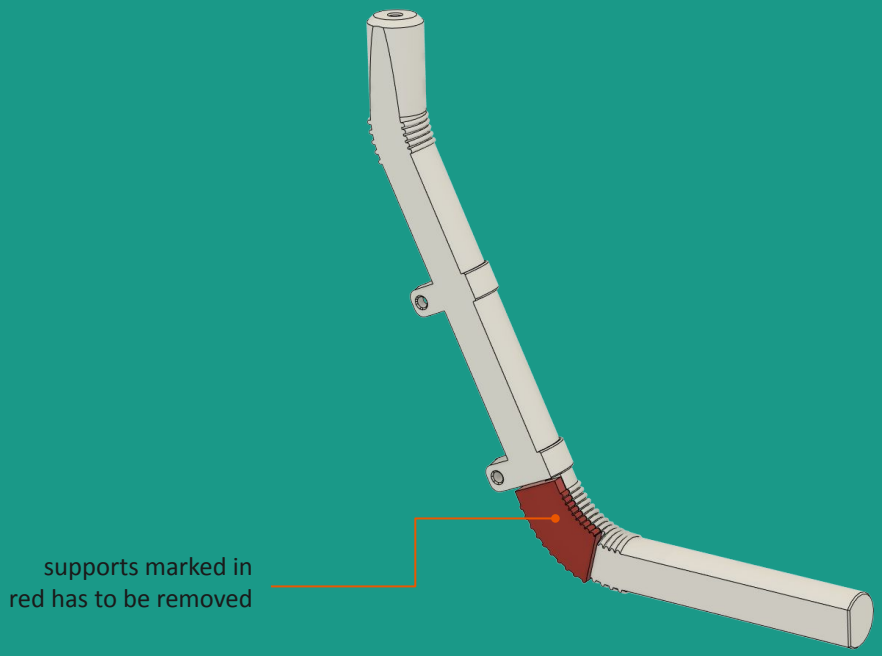


Roof Rack: step 4/4

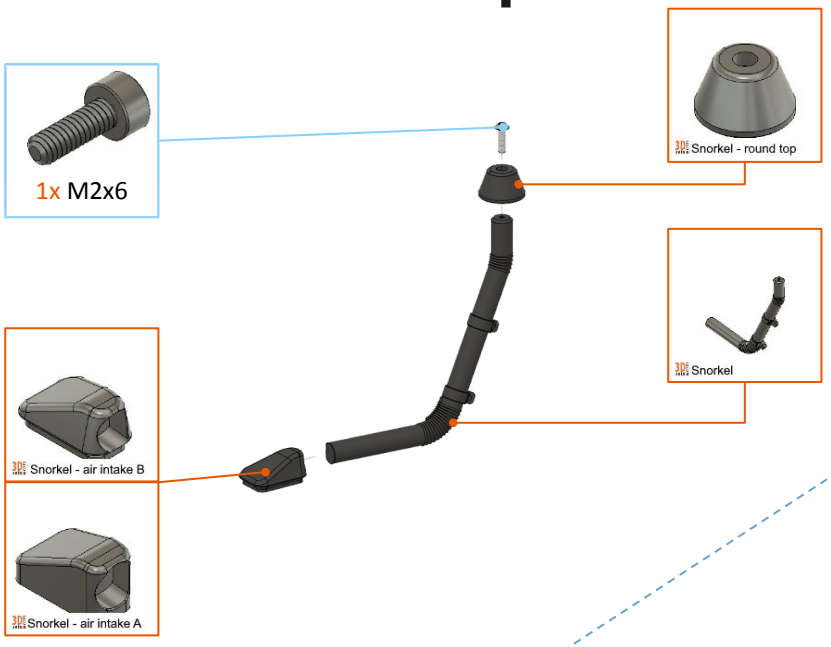
Rendering shows only the Landy Hardtop version – situation for Landy Wagon is analogous.

Snorkel– postprocessing

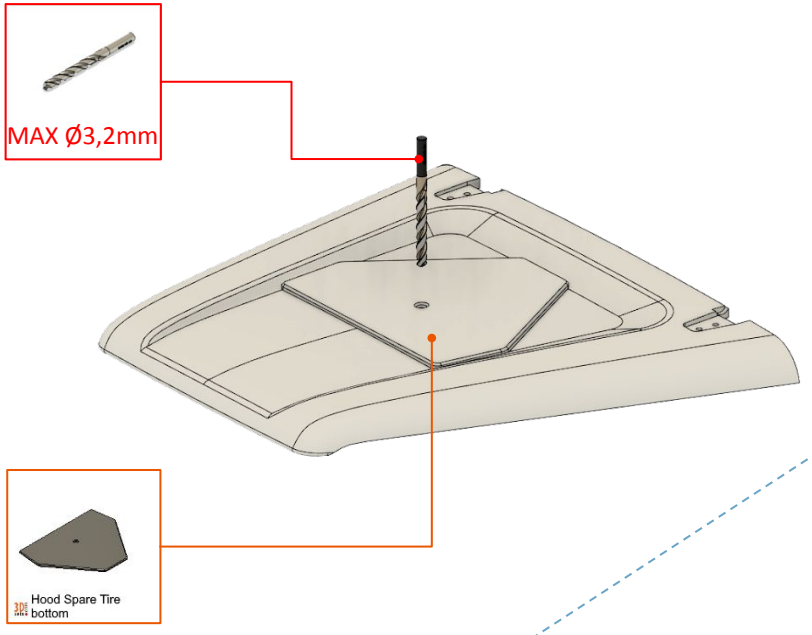
Before you start building Snorkel, carefully remove printing supports (marked red) integrated into specific parts rendered below. You can use pliers and a sharp knife to make the procedure easier. Be very careful as you can harm yourself!

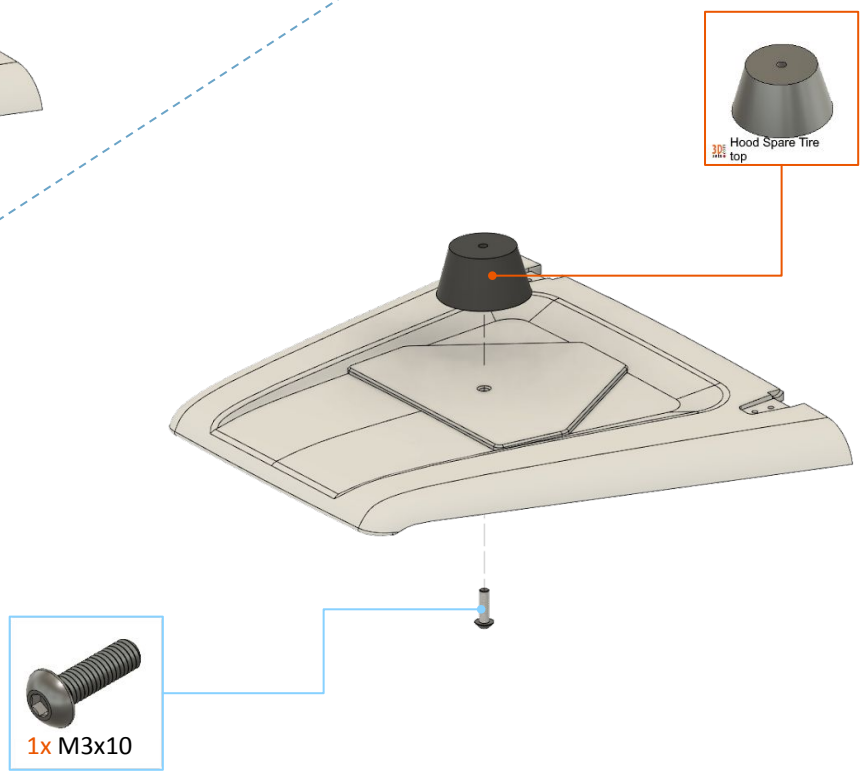


Snorkel: step 1-2/2



Hood Spare Tire: step 1-2/3



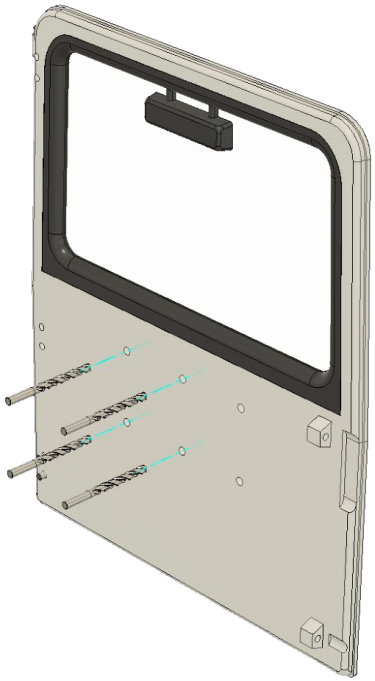


Hood Spare Tire: step 3/3

Rendering shows only the Landy Hardtop version – situation for Landy Wagon is analogous.

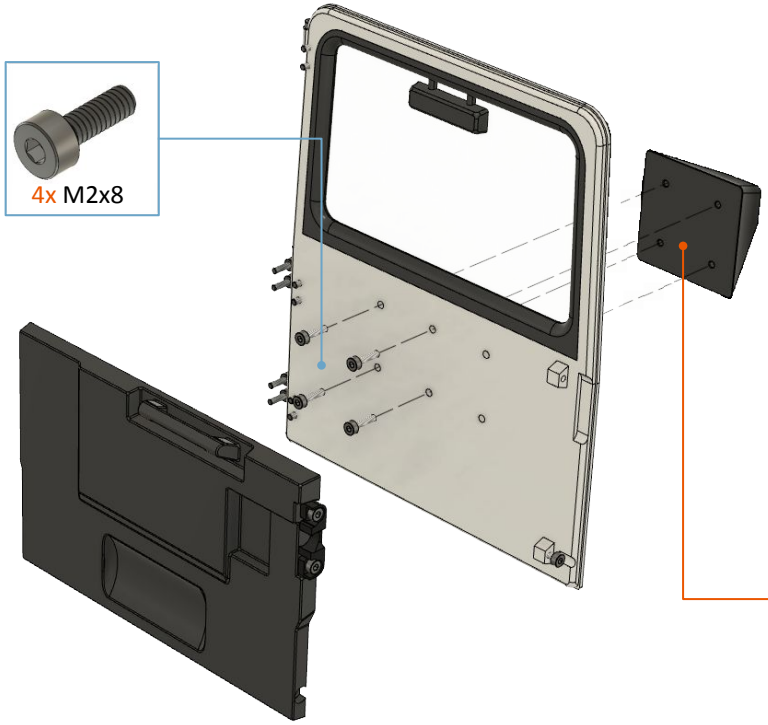
1x M3x12

Rear Spare Tire – step 1-2/3



Drill only 4 specific holes – spare wheel is intended to be mounted off-axis!

Replace standard Rear Door Outer Frame with new one – with grille window protection.



Rear Spare Tire – step 3/3

Rendering shows only the Landy Hardtop version – situation for Landy Wagon is ~~analogous~~.

Africa Trophy: final

Rendering shows only the Landy Hardtop version – situation for Landy Wagon is analogous.

Now you can print included accesories:

- jerry cans (4 pcs. will fit into the roof rack holder)
- plastic containers
- aluminium boxes
- recovery boards (2 pcs.)