



Talaria Sting Shroud for X-9000





1 Files Included

File Name	Description
Sting_Shroud_V6.1-LHS.stl	Left hand side shroud.
Sting_Shroud_V6.1-RHS.stl	Right hand side shroud.
SPACER_Sting_Shroud_Rev6-LHS.stl	Left hand side shroud with hole for spacer. *OPTIONAL* . Only print if using aluminium spacers.
SPACER_Sting_Shroud_V6.1-RHS.stl	Left hand side shroud with hole for spacer. *OPTIONAL* . Only print if using aluminium spacers.

2 Recommended Hardware

Item	Description	QTY
M6x12 socket head cap screw	Low profile DIN7984 recommended. Existing bolts can be reused.	4
M6 Aluminium spacer	*OPTIONAL* . Aluminium spacer used only if printing spacer version.	4

3 Printing Notes

This shroud is designed to be able to replace the nylon bushings provided with the base mounting kit for the X-9000 on the Talaria Sting. Spacers are built into the shroud.

The recommended hardware to be used with the controller kit is shown below. Depending on your print settings and filament used, the plastic beneath the mounting bolts should be able to withstand a decent amount of compressive force before cracking; however, please avoid overtightening the mounting bolts where possible. We recommend installing the socket head cap screws with Loctite (low-medium strength Loctite) to prevent loosening.

If you wish to use an aluminum spacer in your print rather than clamping down on the filament, alternative files with the prefix "SPACER" can be used. The aluminum spacer designed to be used has the following dimensions and can be bought on Amazon [here](#). Four aluminum spacers are required per controller.



Inner Diameter	6.2mm
Outer Diameter	15mm
Thickness	3.5mm

We have tested and printed on our printer (Bambu Lab X1C) with the following filaments: PLA, PLA-CF and PETG. We recommend printing with supports at a 0.2mm layer height. For best finish and minimal support, align the plate with the edge parallel to the X-9000's heat sink (see figure 1).

Minimum required bed space: 190mm x 190mm.

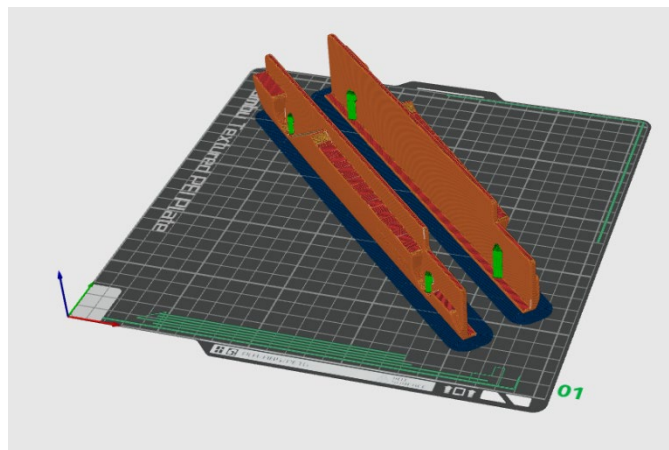


Figure 1: Recommended orientation of the shroud to minimize layer lines.

4 Installation Notes

1. Remove existing mounting bolts on one side of the controller. Discard nylon spacers.
2. Slide shroud in between the controller and frame mounts. Reinstall bolts, be careful not to overtighten.
3. Repeat for the other side.