3D-print kit · print this first

Fit Test

Before printing a full team set, print **plate 1** of either project file (other slicers: `STL for other slicers/single-color/Plate 1 - Fit test - print first.stl`) (about 24 g of PLA, roughly 1-2 hours) with the same printer, filament and settings you will use for the kit: PLA, 0.2 mm layers, no supports needed. It checks every fit in the kit.

Fit test plate



Check	What good looks like	If not, change this
Star peg + holes 1, 2, 3	Push the star peg into each numbered hole. It should go in with a firm push, stay put when the bar is turned over, and pull out by hand.	**Best in hole 2:** print `star_pegs_24.stl` as is. **Only fits hole 3** (too tight in 2): scale the star pegs to **96%**. **Loose in hole 2** but good in hole 1: scale the star pegs to **104%**.
Tile in the tray pocket	The tile should drop in flat with either side up and lift out with your fingertips.	**Too tight:** scale the tiles to **99%** (X and Y only). **Rattles a lot:** it is fine to play, or scale the tiles to 101%.
Tile, engraved side	Turn the tile over. The ship, portholes and three stars should be clean pockets about 1 mm deep.	**Saggy pocket floors:** slow down bridges or turn on "thick bridges" in your slicer. Small sags do not affect play.
Tile, raised side	Close your eyes and run a finger across it. You should feel the long Straight bar, the short bar and the rim.	**Hard to feel:** check that your slicer did not skip the top layers (use 0.2 mm layers).
Battery cell + socket	The green cell should slide into the socket and pull out without sticking.	**Too tight:** scale the cells to **98%**. **Falls out when turned over:** that is fine; the case lies flat during play.

To scale a part, select it in your slicer and type the percentage in the Scale box (Bambu Studio / OrcaSlicer / PrusaSlicer). Scale only the part named; everything else prints at 100%.