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Focus Tube Assembly Manual

V1.04

This document describes the steps required to assemble a Tagbits focus tube kit. It is important to follow the steps in the order described. Failure to do so will result in something not fitting further along in the build.

DO NOT over tighten self tapping screws. Doing so will damage the focus tube housing.

Place the focus screw into the bolt focus bolt plate:



Attach the LED carriage:



Slide the LED carriage into the focus tube, and hold in place whilst adjusting the focus.

Set Focus

The lens supplied has a focal length of 100mm. To get the best focus rest a small ruler on the LED carriage and turn the focus adjust screw until the carriage is 100mm from the lip that the lens rests upon:



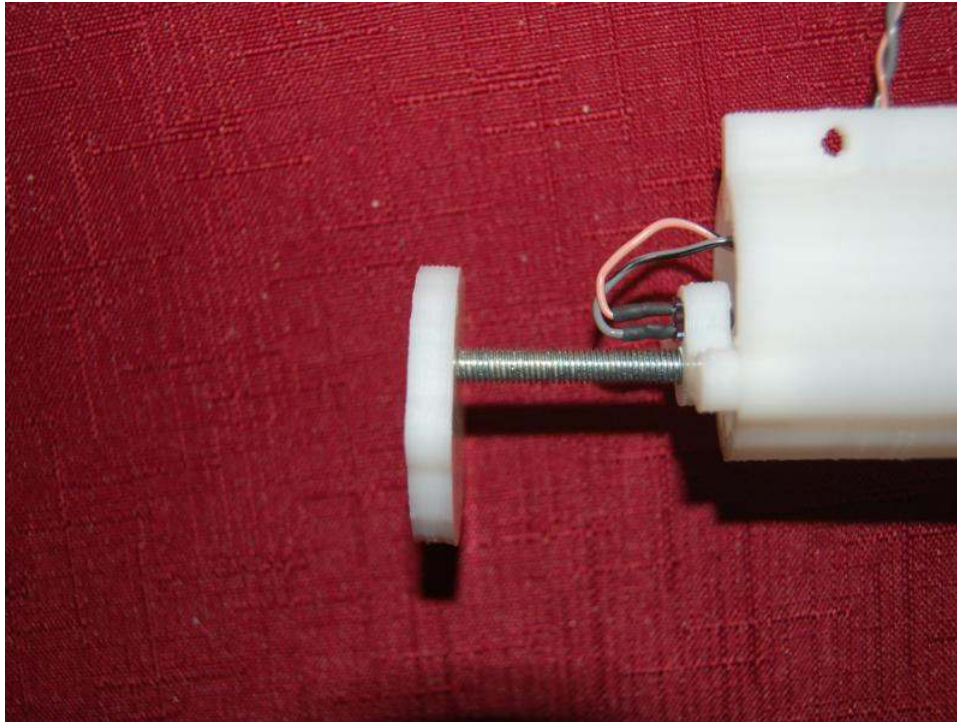
Mount LENS

Place lens into IR tube, ensure convex surface of lens is on the outside, flat surface to the inside of the IR tube. Press fit the lens holding ring into the end of the IR tube. It is a friction fit and may need pushing into place with a blunt tool. E.g. Spoon.



Feed the IR cable through the hole in the top of the IR focus tube:

Connect IR LED to cable and insulate. Push LED into led carriage and insert LED carriage assembly into focus tube:



Fasten bolt end cap plate to focus tube using 2 x #4 x 19mm self tap screws:

