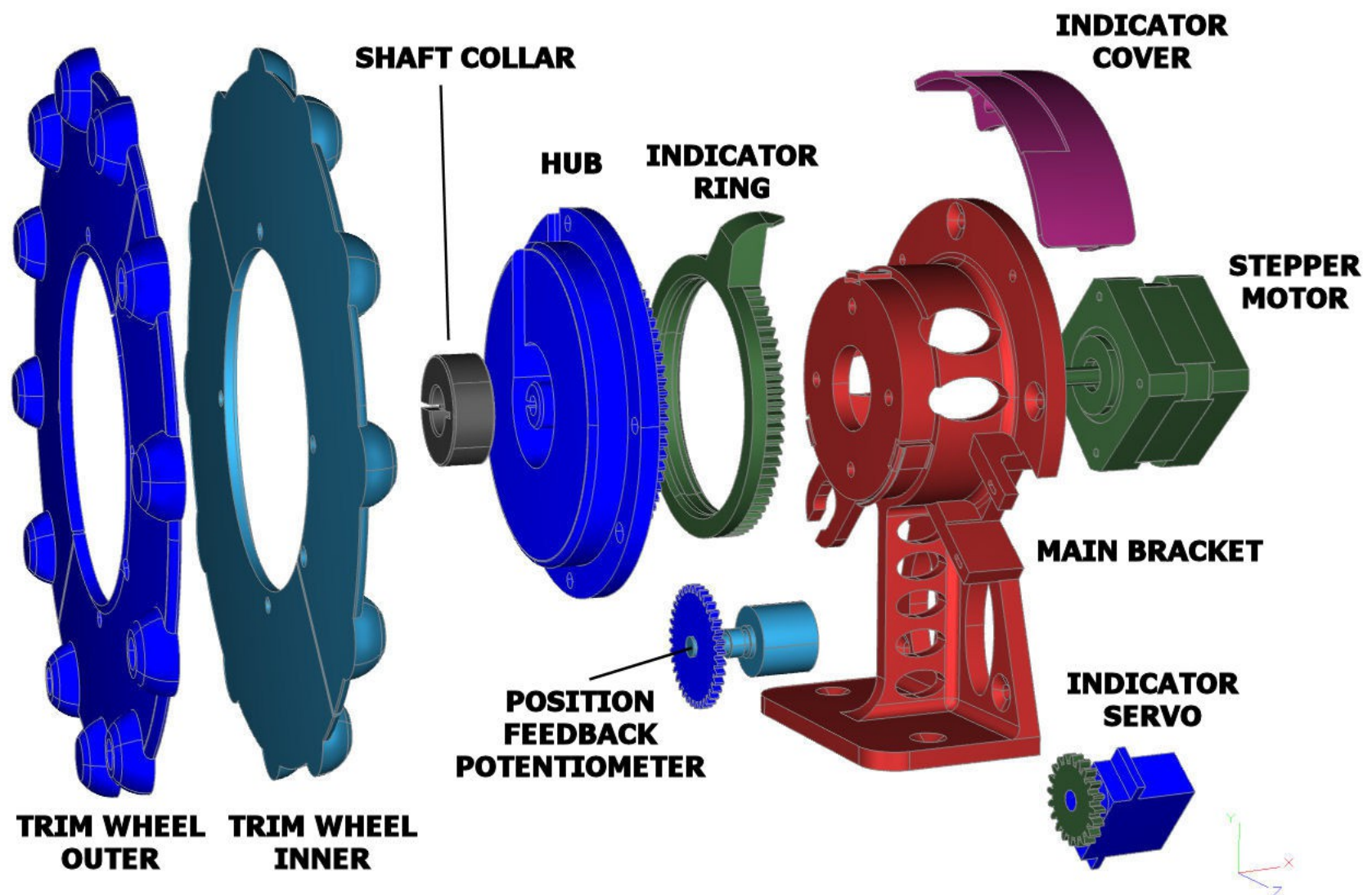


BFF Motorised Trim Wheel – 3D Printing



NOTES FOR DIY PRINTING:

- There are 10 3D printed parts:

- 2 x Trim Wheel Outer
- 2 x Trim Wheel Inner
- 1 x Hub
- 1 x Indicator Ring
- 1 x Main Bracket
- 1 x Indicator Cover
- 1 x Position Feedback Pot Gear
- 1 x Indicator Servo Gear

- Several of the components will need to be printed with support. You may need to experiment with your printer to get good removable support.

- The TRIM WHEEL is printed in 4 parts to ease the printing process. 2 x outer parts and 2 x inner parts. This avoids some warping problems when printing large flat parts.

- The HUB central 5 mm hole should be finish drilled 5.0 mm to provide a firm press fit onto the stepper motor shaft. The 12 mm clamp style shaft collar provides additional clamping to the shaft.

- The position feedback pot GEAR should be finish drilled 6.35 mm (1/4") to provide a firm press fit onto the pot shaft.

- Ensure the INDICATOR RING turns smoothly when fitted on the MAIN BRACKET. Good dimensional reproduction of the indicator ring is needed to keep the fit accurate.

- Printing seams that are located on the gear teeth may need to be removed to ensure smooth gear meshing.