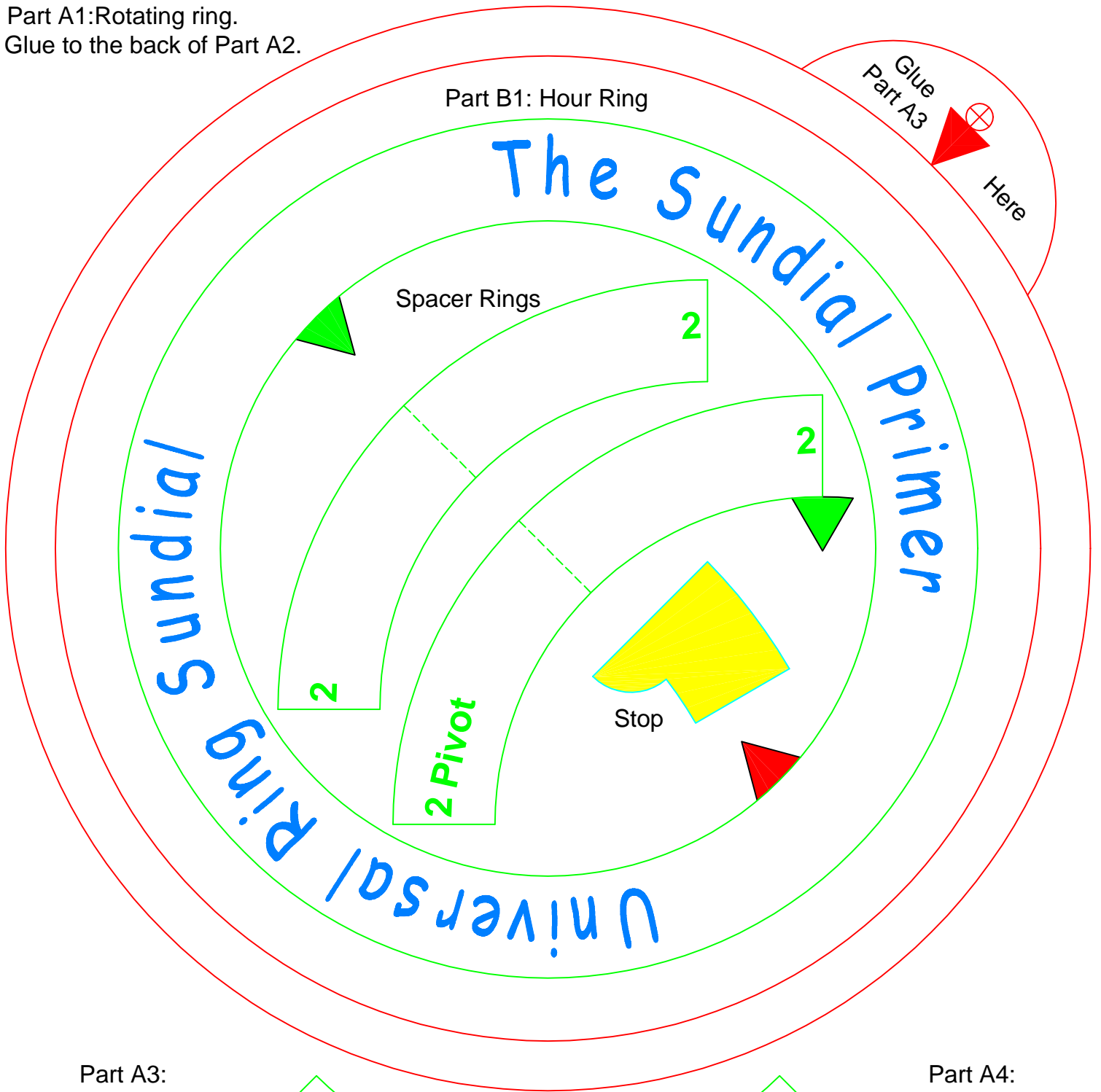
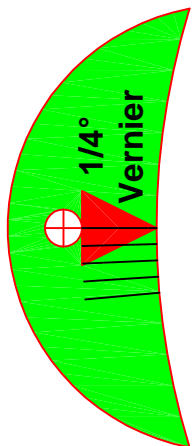


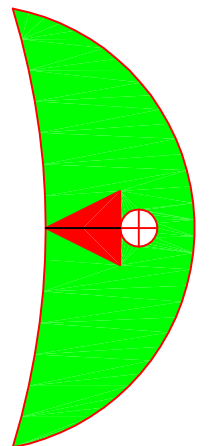
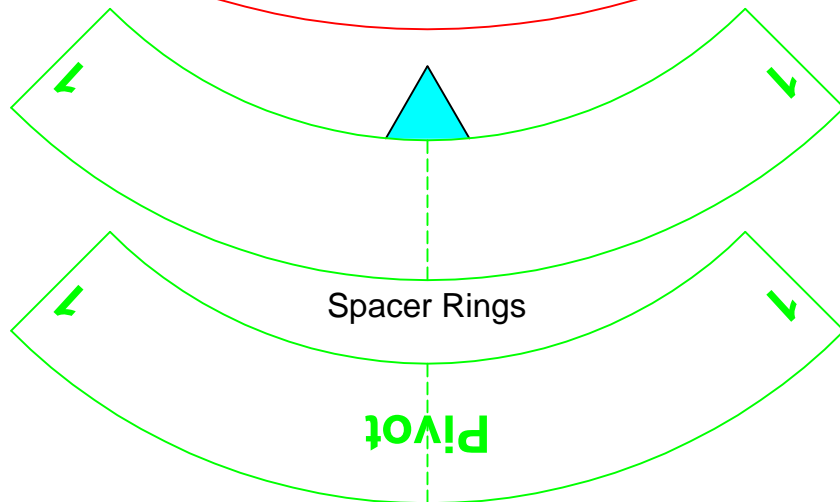
Part A1: Rotating ring.
Glue to the back of Part A2.



Part A3:
Latitude Pointer

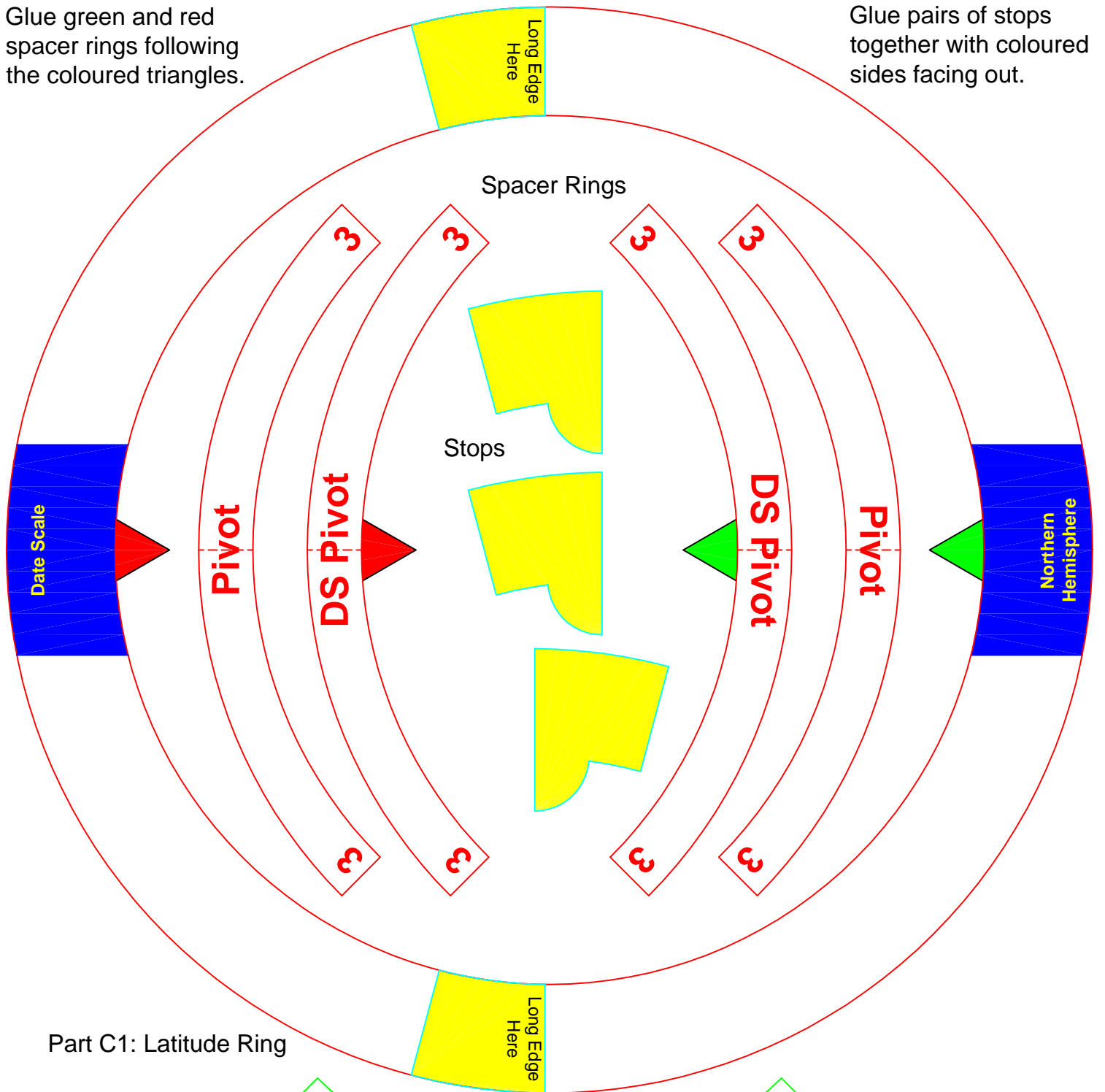


Part A4:
Latitude Pointer



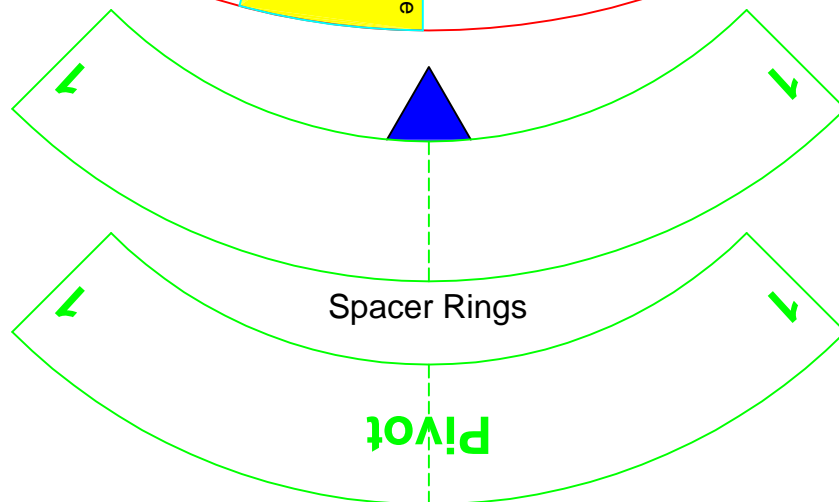
Glue green and red spacer rings following the coloured triangles.

Glue pairs of stops together with coloured sides facing out.



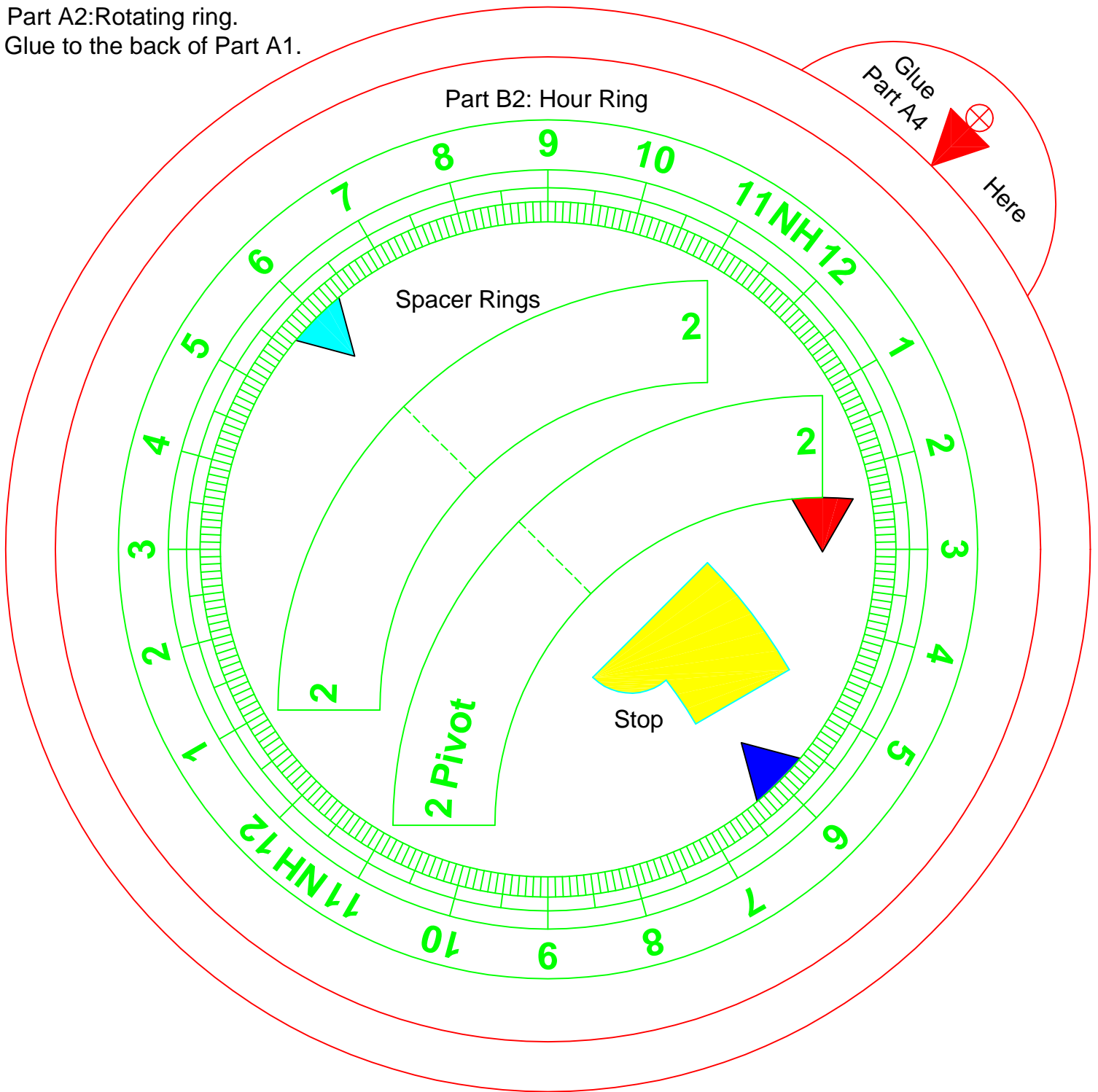
Part C1: Latitude Ring

IMPORTANT:
Use no wrinkle rubber cement or the sundial will warp badly!



Cut out all the parts and write the part number on the back.

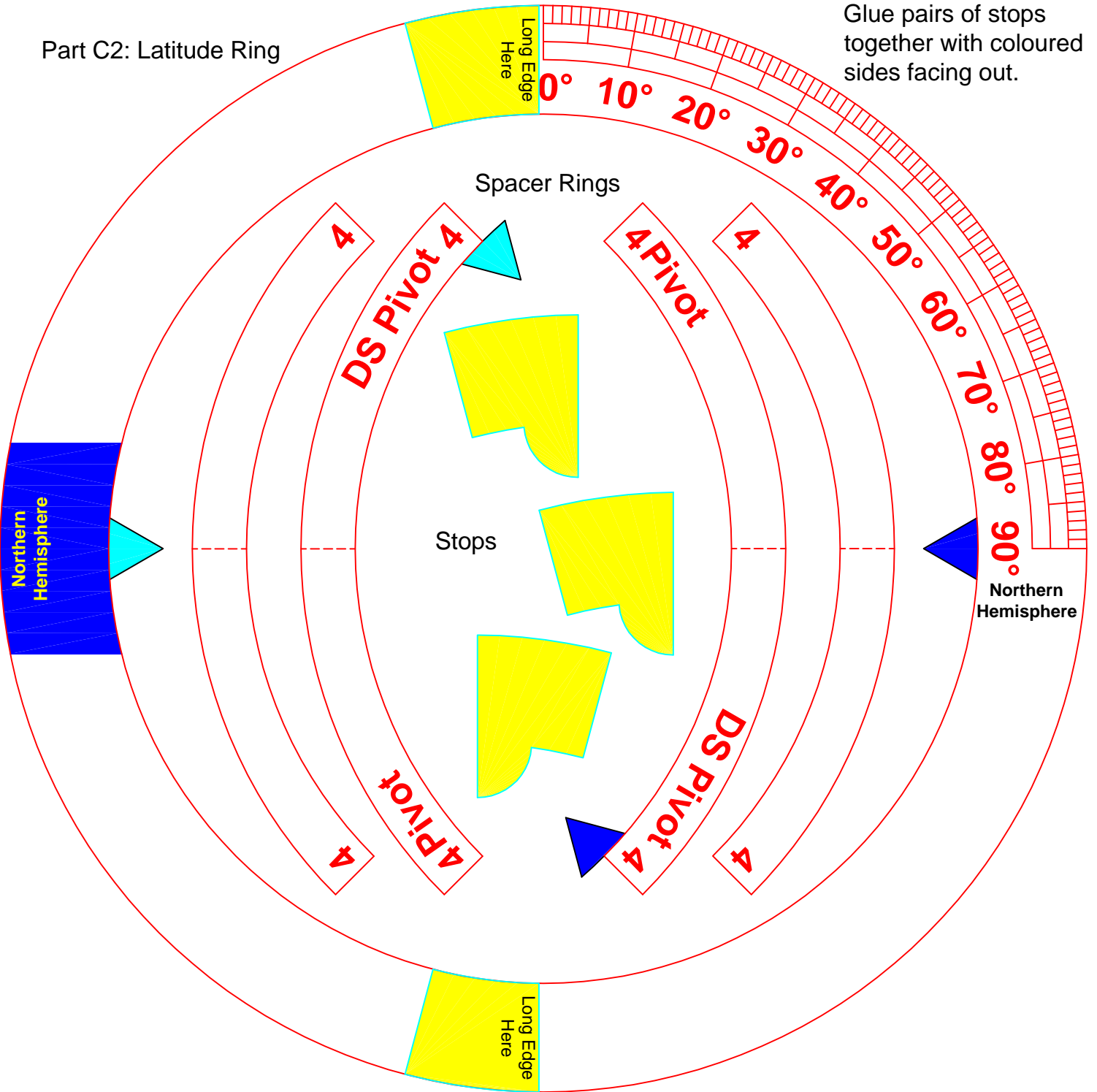
Part A2: Rotating ring.
 Glue to the back of Part A1.



Tape pivot rods into place on hour ring Part B1. Glue Part B2 on securing the pivot rods in place. Cut off the tabs. Start with Part C1 and position Parts A1/A2 in place with the vernier facing up. Wrap the exposed pivot rods with foil so they will not be glued but free to rotate. Position the completed hour ring as indicated by the pivot points (Pivot) with the hour numbers facing up. Position the completed date scale in position as indicated by the pivot points (DS Pivot) with the date lines facing up. The end marked "Date Scale" is positioned to the right and above the hour ring. The end marked "Northern Hemisphere" is positioned to the left and under the hour ring. Glue Part C2 in place as indicated by the pivot points taking care not to glue the rotating ring. Cut off the tabs. Glue in the hour bars, string gnomon brackets and stops.

Part C2: Latitude Ring

Glue pairs of stops together with coloured sides facing out.

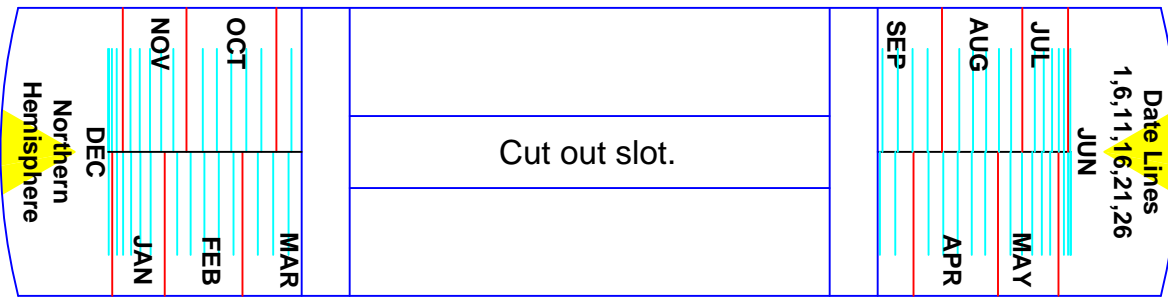


The 2 pivot rods are made from sections of paper clips 3/4" long.



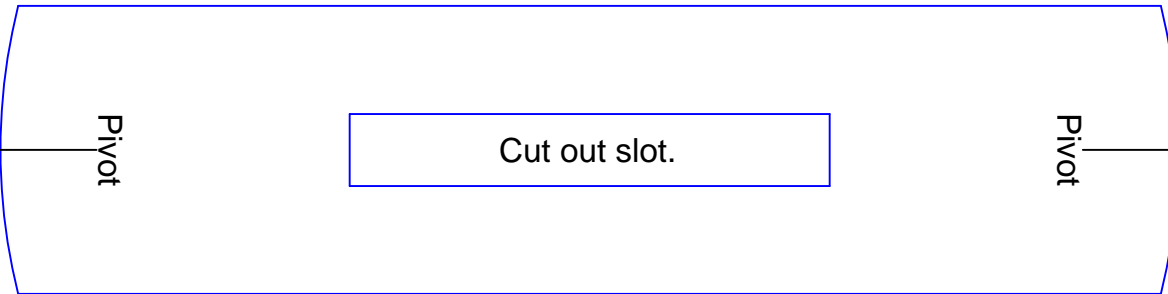
Hour Bars: Glue to the inside edge of the hour ring after the two halves are glued together but before the string gnomon is glued into place.



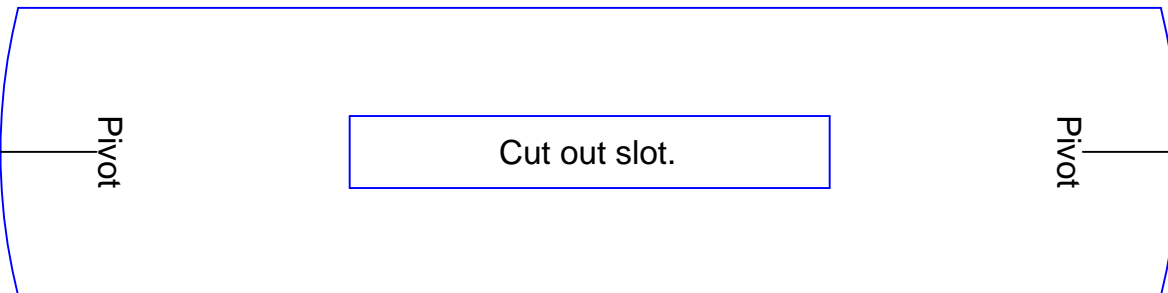


Date Scale

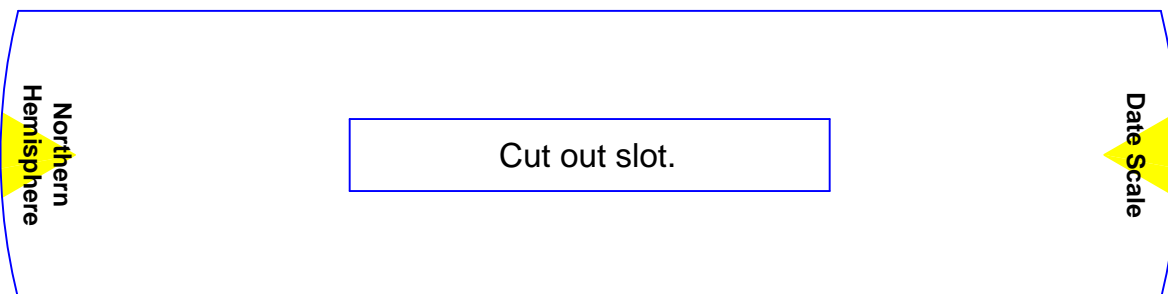
Part DS1



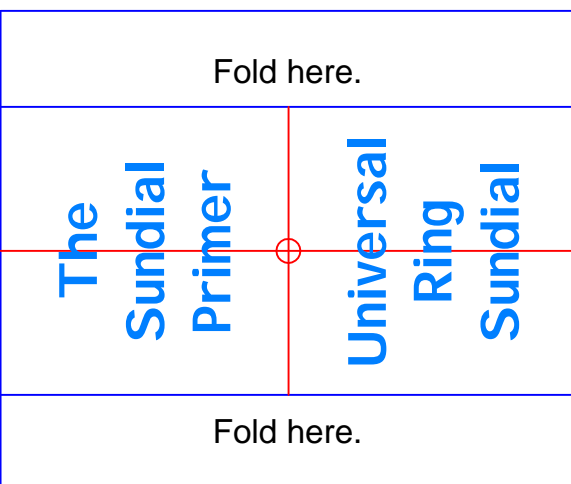
Part DS2
Glue to back of Part DS1.



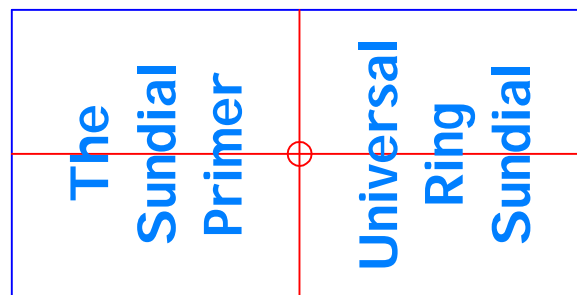
Part DS3
Glue to back of Part DS4.



Part DS4



Part DSS1



Date Scale Slider

Part DSS2

Tape 3/4" long paper clips on the 2 pivot lines and glue the two parts of the date scale together.

Cut the two holes out of the date scale slider. Make as small as possible and increase size later if required.

Fold the tabs of Part DSS1 where shown. Place Part DSS1 on the completed date scale and wrap the tabs around to the back. Glue Part DSS2 to the tabs making sure the slider fits tightly but can move up and down. The holes must be in alignment.