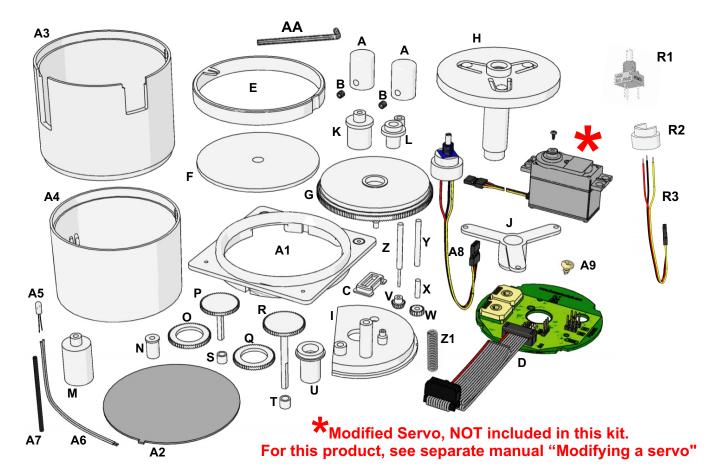


CONSTRUCTION MANUAL **HEADING INDICATOR**

Read this manual carefully before starting construction.



Construction kit "Heading Indicator" Your kit contains all the necessary components (except for a servomotor) for building a "Heading Indicator".

Fine-tuning

The calibration software allows you to accurately adjust the instrument (once connected to the Central Control Unit) to the movement of the needle of the chosen instrument.

Difficulty level

This product can be constructed without technical expertise. Knowledge of electronics soldering is required. Care and accuracy are of utmost importance.

What else do you need?

A modified servomotor, type HS300, HS311 or equivalent, is required to make the instrument fully functional (for modifying a servomotor, see the separate manual). This product can be ordered separately or bought from any retailer of model kits. Additionally you will need some simple tools, such as a small star-shaped screwdriver, a hobby knife, some pliers, a small hammer, a 1/16" (4 mm) drill, a 0.26" (6.5 mm) drill, a soldering iron (suitable for fine electronics), tin solder, insulating adhesive tape, superglue and glue suitable for plastic model kits.

General hints

Be very careful when using the hobby knife! You can easily hurt yourself when handling sharp objects! Take good care of the amount of glue you apply and to which areas you apply it. Glue for plastics is essentially a solvent. Excessive use can damage the exterior of the instrument.

Preparations prior to construction

Check if all components are included. During packing, the contents of the construction kit have been inspected several times. Nothing should be missing.

Use the hobby knife to remove any irregularities. Be careful when using the sharp hobby knife!

Warrantv

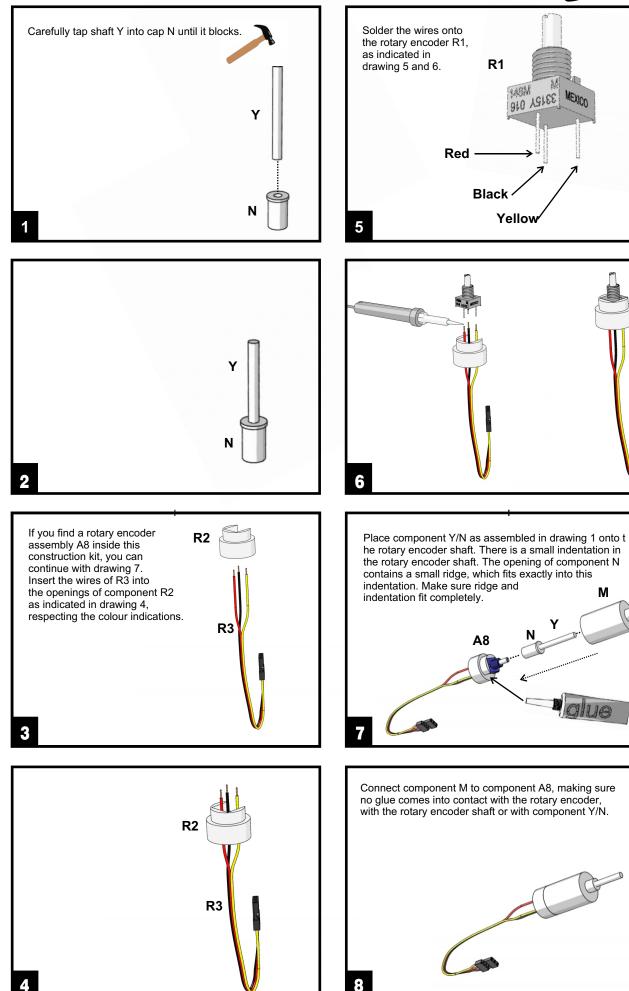
Construction kits come without a warranty!

List of components

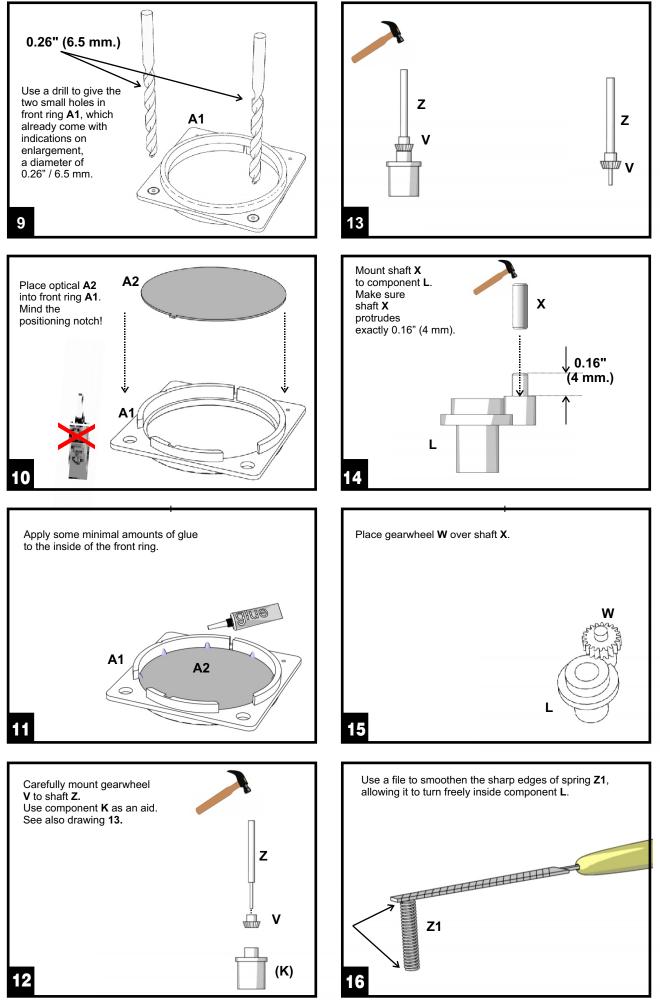
- A Metal button (2 x)
- AA- Inbus key
- B Bolt (inbus)
- Strain relief С
- D - Printed Circuit Board
- Е - Heading bug ring
- F -Compass card
- G - Heading bug disc
- Compass lower disc н
- Т - Plate
- J - Shaft with arms

- K Upper cap for adjusting heading bug
- L - Lower cap for adjusting heading bug
- Upper cap rotary encoder Μ
- N Cap for rotary encoder assembly shaft
- Hollow gearwheel 1 0
- Gearwheel with shaft, short Ρ
- Q -Hollow gearwheel 2
- R Gearwheel with shaft, long
- Fastening cap 1 S
- Fastening cap 2 т
- U Servo cap
- Tilted gearwheel V
- -W Straight gearwheel
- Shaft for right gearwheel Х-
- Y -Shaft for cap M
- Ζ-
- Shaft for adjusting heading bug Z1 - Spring for adjusting heading bug
- A1 Front ring
- A2 Front optical
- A3 Upper casing
- A4 Lower casing
- A5 Light
- A6 2-Vein cord
- A7 Sleeve
- A8 Rotary encoder assembly of R1, R2, R3 A9 - Self-tapping screw for mounting PCB
- R1 Rotary encoder
- R2 Rotary encoder fitting
- R3 Rotary encoder wire

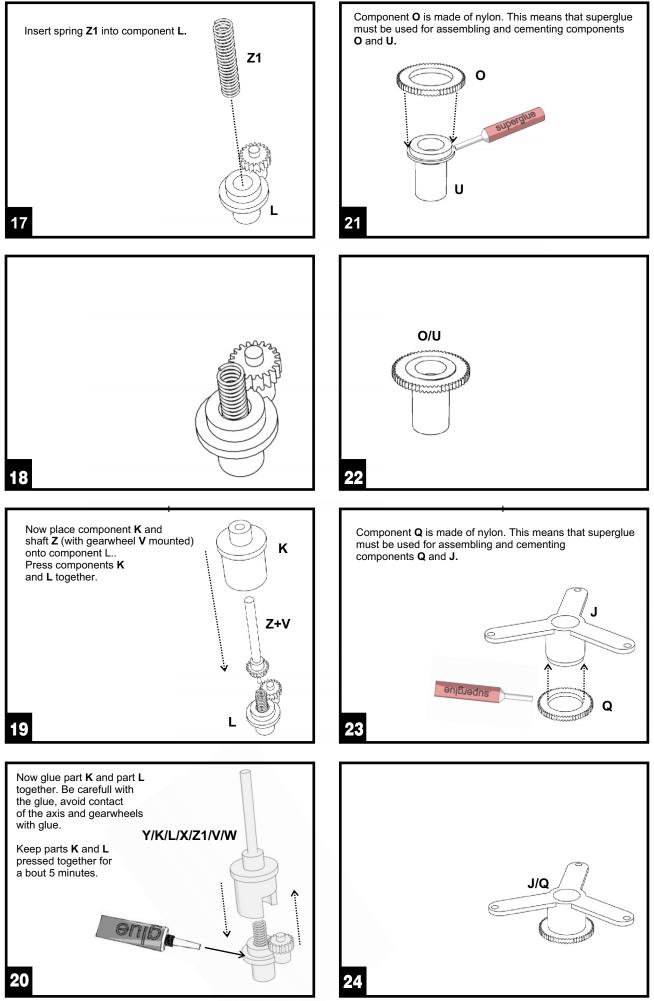




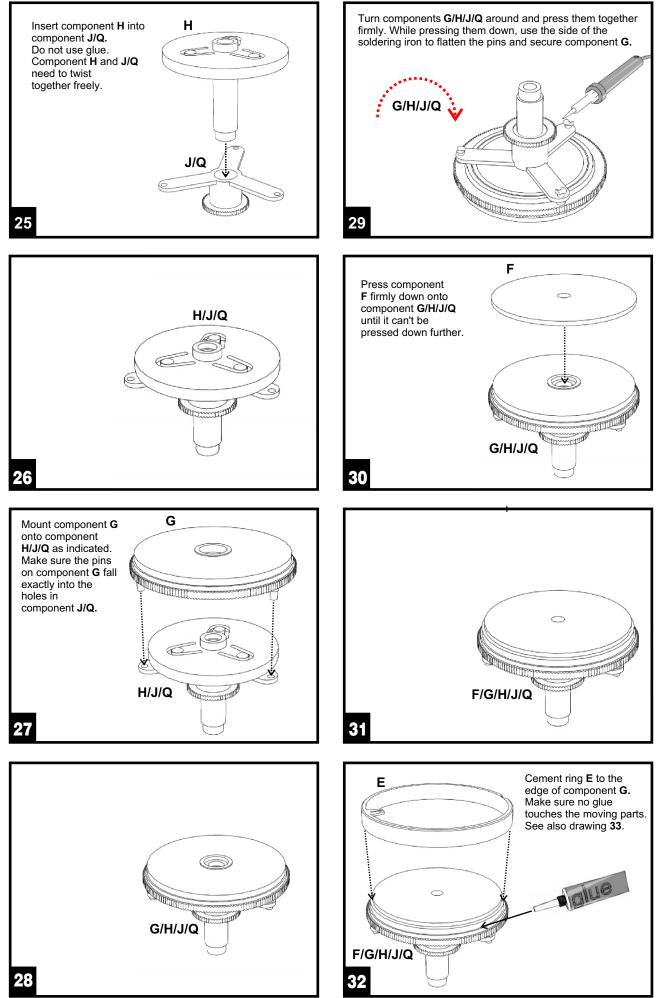


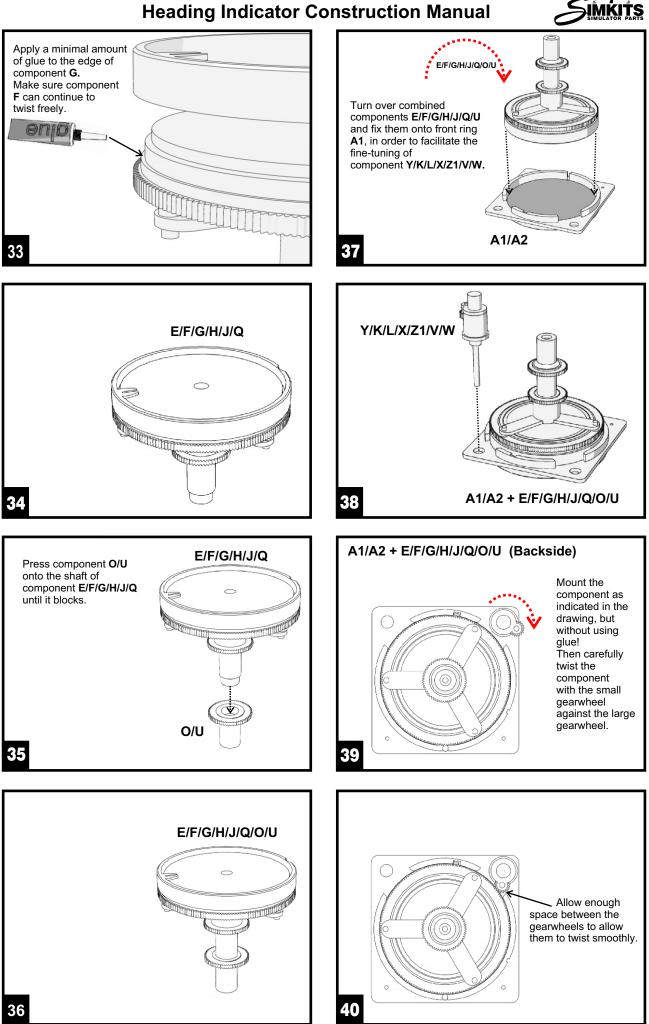






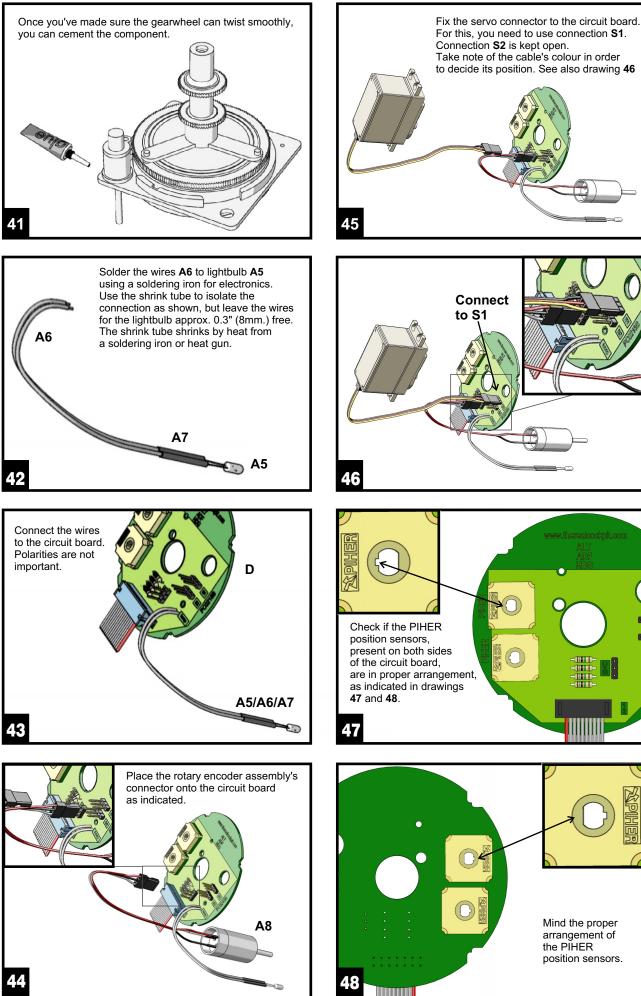






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superglue

Using superglue, cement caps S and T onto the gearwheel shafts. TAKE NOTE:

circumstances should the PIHER position sensors come into contact with glue!

Screw the circuit board onto the plate

using screw A9 (included).

Under no

🕓 A9

Modified servo

Place the modified servo into

lower casing A4 and use the

unfastened from the servo to

screws you previously

lock it into position.

