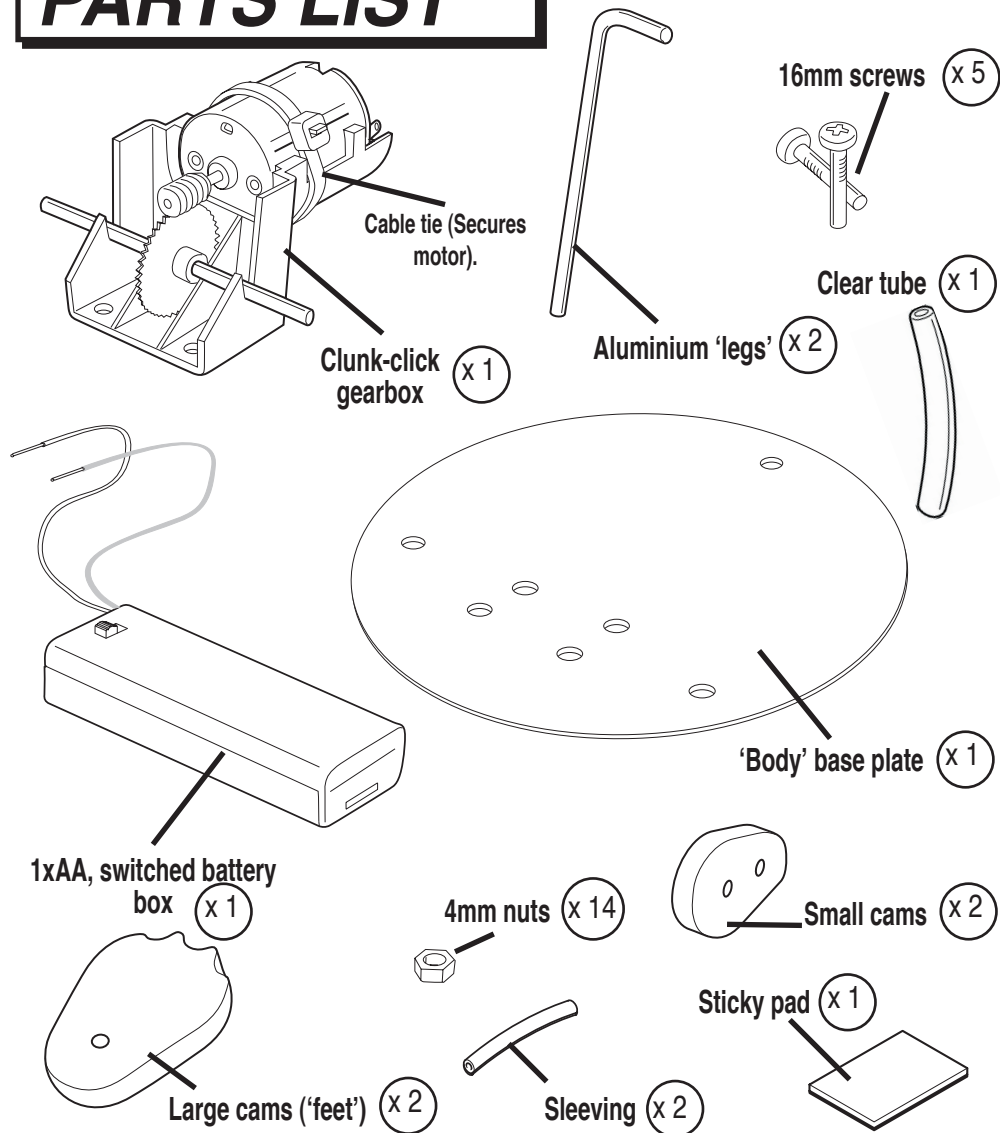


PARTS LIST



THIS IS NOT A TOY.
IT IS AN EDUCATIONAL KIT AND MUST BE USED UNDER ADULT SUPERVISION.
THIS PRODUCT IS NOT SUITABLE FOR CHILDREN UNDER 3 YEARS.
IT CONTAINS SHARP OR SMALL PARTS WHICH COULD BE DANGEROUS FOR YOUNG CHILDREN.

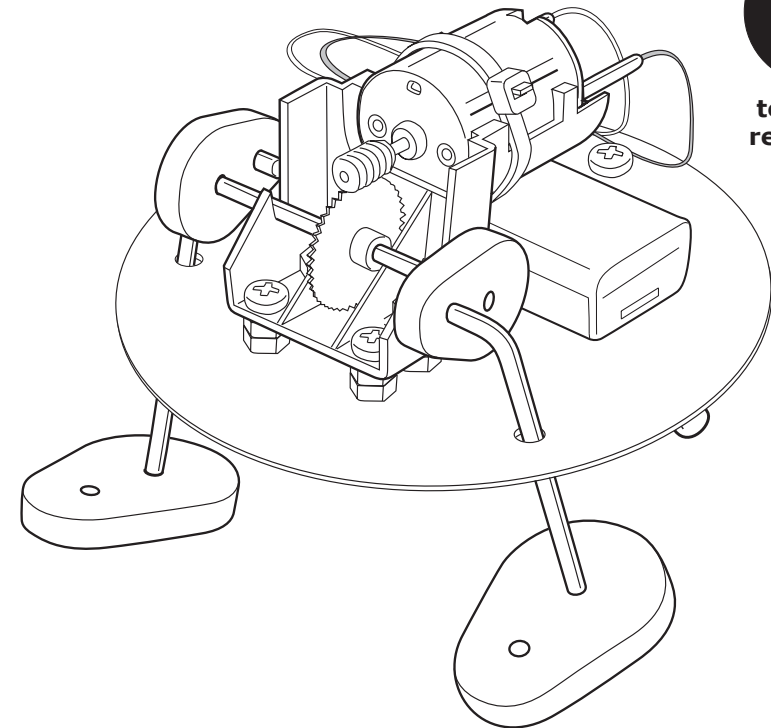
ROBOT DUCK

KDD 001

Middlesex
University



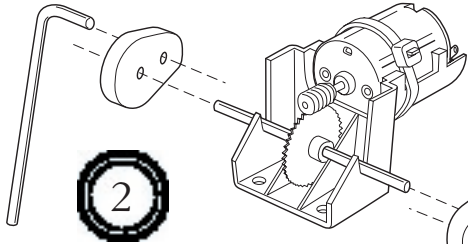
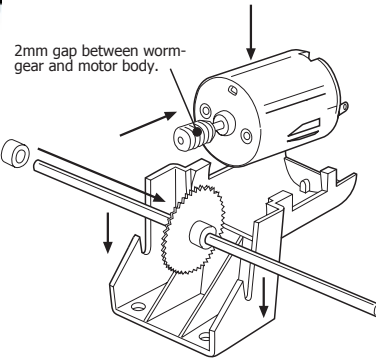
teaching
resources



***Before assembly,
check the parts list
on the back page***

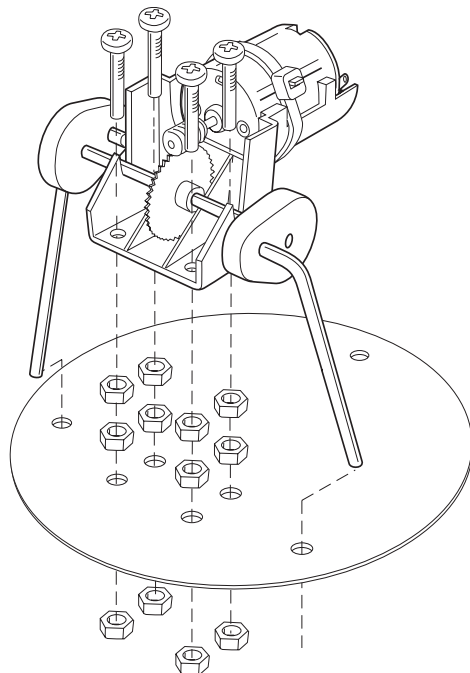
MAKING THE ROBOT DUCK

1



Push the cams onto the gearbox shaft, ensuring that they are directly opposing and that the shaft does NOT protrude past the other side of the cams. The two 'leg' shafts can then be inserted into the holes that remain in the cams.

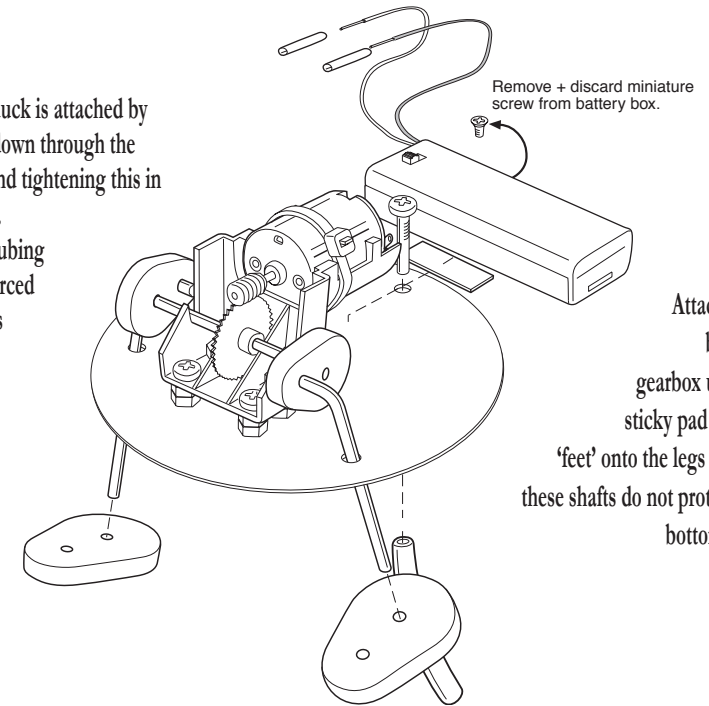
3



The gearbox/legs assembly is then attached to the 'body' plate using the 12 nuts and 4 screws as shown. Make sure that you pass the legs through the outer holes as illustrated.

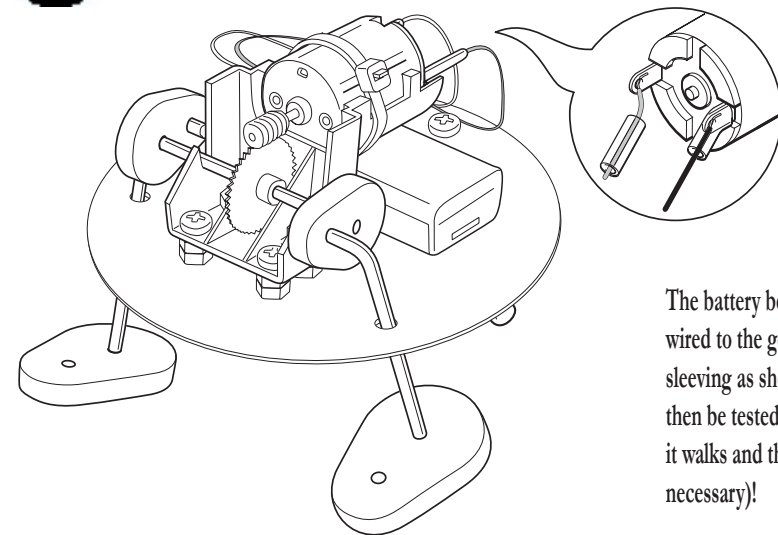
4

The 'tail' of the duck is attached by passing a screw down through the remaining hole and tightening this in place using a nut. A piece of clear tubing should then be forced onto this screw as far as possible.



Attach the battery box under the gearbox using a single sticky pad and push the 'feet' onto the legs ensuring that these shafts do not protrude past the bottom of the feet.

5



The battery box should now be wired to the gearbox using the red sleeving as shown. The duck can then be tested to find out which way it walks and the wiring reversed (if necessary)!