Print.   
Rib design size is 80mm x 64mm - check that on printing.  
Cut-out the "Head" and "Ribs".  
Glue to 3mm (1/8 inch) craft plywood with PVA then cut out.  
See photos and notes at the end of this document.  
TODO - upgrade to 3D printing for these!  
3D Printing advice and help is especially welcome!

Head piece or "neck"  
Holds the head items.

Top

Ruler  
8 x 8

Ruler  
15.5 x 10

Top

2

1

HEAD

It may work well to make this  
smaller than the "Ribs"

Top

Rib01

Note that Ribs all have a 4mm hole  
drilled in the centre.

Compare with Rib02 below  
to see how we aim  
to "balance" the weights   
of the servos by   
staggering their positions  
rib by rib.

Rib02

Top

1

Rib03

Top

4

Top

3

Top

Rib04

5

Rib05 is a Battery Holder.   
Therefore horizontal movement servo  
mounts in the top of the rib  
to make space at the bottom  
for the battery.

Rib06

Top

7

6

Top

Rib07

Rib08 is the second Battery Holder.   
Therefore horizontal movement servo  
mounts in the top of the rib  
to make space at the bottom  
for the battery.

8

Top

Top

Rib09

10

Top

9

Rib10

Notes.   
Cutting out worked best for me with my basic home workshop resources by:

1. Rough cutting out with a power jigsaw
2. Working around the edge with a sanding disc attachment for my electric drill
3. Taking the pieces to my neighbour to borrow the use of his drill press   
   to drill the holes accurately - thanks Dave!

Note  
Scraping away the paper design from the plywood so the servos stick better.





