

Master Chief construction manual V 0.1

You'll need:

1 flat, well lit, ventilated (v. important!) work surface.

1 Printer. Preferably colour inkjet, A3 format. But any A4 300dpi laser printer will do.

1 pair of scissors, scalpel or similar sharp instrument, for cutting paper.

1 ruler, for making sharp creases. Also enhances folding pleasure.

1 source of adhesive power. Most people prefer glue, some enjoy double-sided tape. Before you start, do a performance test on 2 scrap pieces of material to check durability and stickiness. Some paper types are apparently immune to those glue-sticks.

Step 1: Print out the .pdf file. The original file is very large, so you can print the copy as big as you like. Obviously, the bigger your printout, the taller your Master Chief stands. An A3 printout will produce a roughly 35cm high model. Also, if you print in colour, you won't have to do any colour post-production with crayons. Another thing to bear in mind is the material you print on. Once folded and glued, low weight recyclable printer paper is surprisingly durable and stable, and you might find that thicker, glossier inkjet paper won't fold as neatly. Adapt your strategy accordingly.

Step 2. Start by cutting the main segments apart. When you are done, there should be:

- 1 Torso piece
- 1 Hip piece
- 1 Neck piece
- 1 Head piece
- 1 Cap piece
- 2 Upper arms (left and right)
- 2 Lower arms (left and right)
- 2 Fists (left and right)
- 2 Thighs (left and right)
- 2 Lower legs, including feet (left and right)

Once all segments are separated, starting cutting along their outer edge (denoted by a thin black line), trimming off the waste paper.

Warning: Make sure you do NOT cut off the white 'flaps' that are attached to some of the edges. These are the parts that you will glue together, so don't damage them!

Step 3. Pick a segment and examine it closely. Thin, black lines denote sharp, 90 degree angles. Dotted lines denote lesser angles. Now Start Folding!

Step 4. Once you've carefully done your folds, it's time to construct our first segment. Along the edges of all the segments, you'll find sets of tiny numbers. These numbers come in pairs, and any two edges bearing THE SAME numbers should be joined together. to fold the segment up into a discreet object.

Step 5. Apply glue (or adhesive of choice) to all white flaps, making sure all numbers line up as suggested in Step 4.

Step 6. Repeat steps 3-6 for all segments produced in step 2.

Step 7. Now it's time to join up all of our segments into one, mighty Master Chief. Start by applying glue to the flat square 'end' surfaces on each segment. For the torso, this would be the upper arm surfaces, the hip surface, and the neck surface. Repeat this step with all segments. Finally, attach the pieces to each other, working from the torso outwards. You can be fairly creative with the arm and leg positions, but do some experiments without glue before you commit to any pose, or the Master Chief might have trouble standing on flat surfaces.

Step 8. kick back, relax, and enjoy your hand-made recyclable authentic paper Halo Master Chief.



