

# Mechmaster's

# Σ150 SPECIAL WEAPONS DALEK

optimised for 3D printing by

## John McAssey

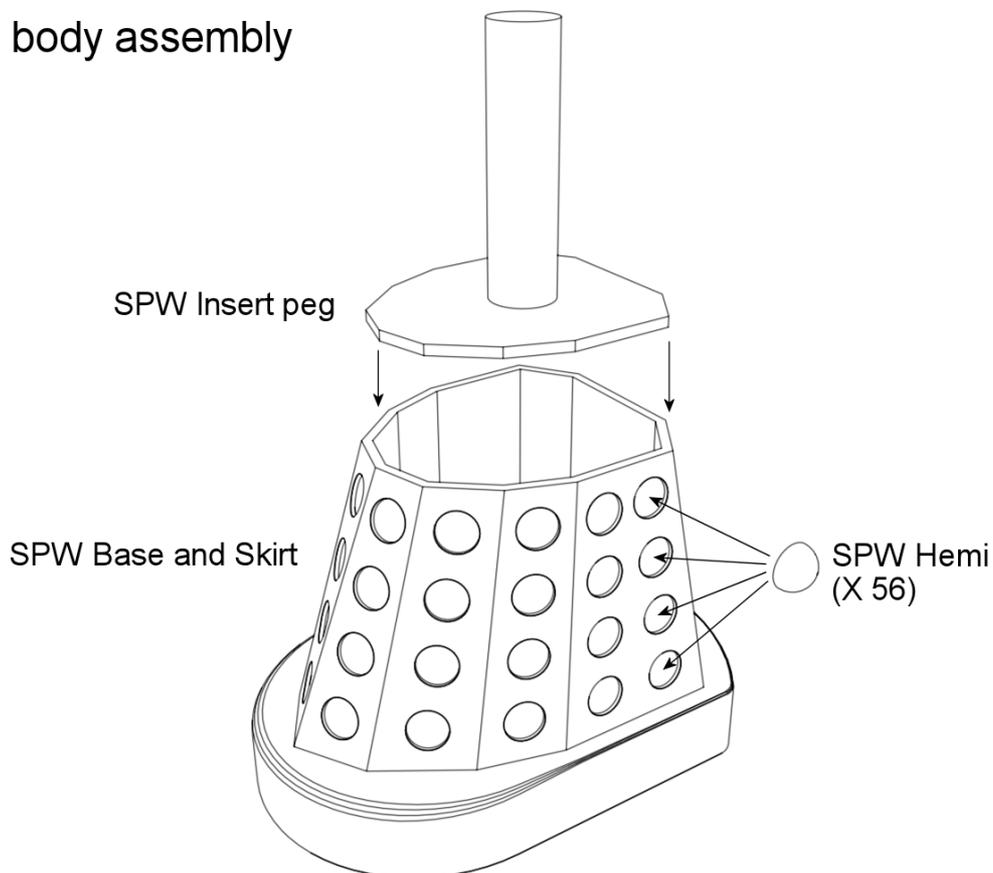
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All parts should be prepared and test fitted before glueing in place.

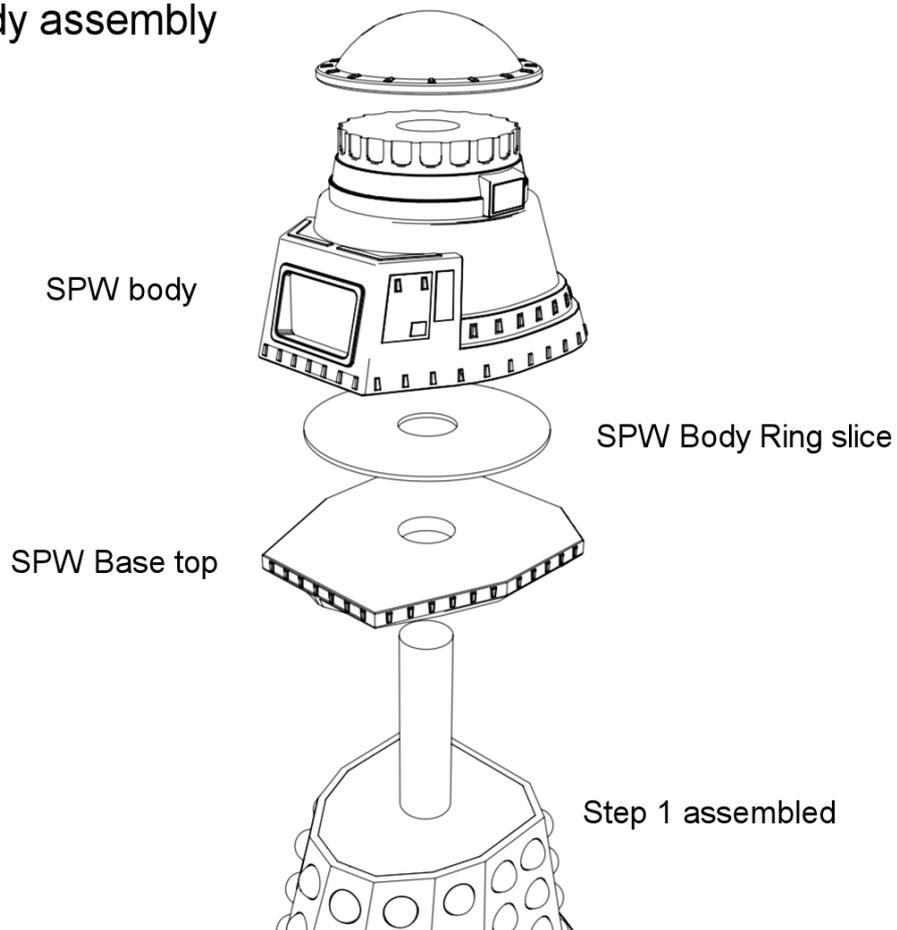
You may wish to paint the parts before assembly.

Small parts should be kept away from young children.

### 1 Main body assembly



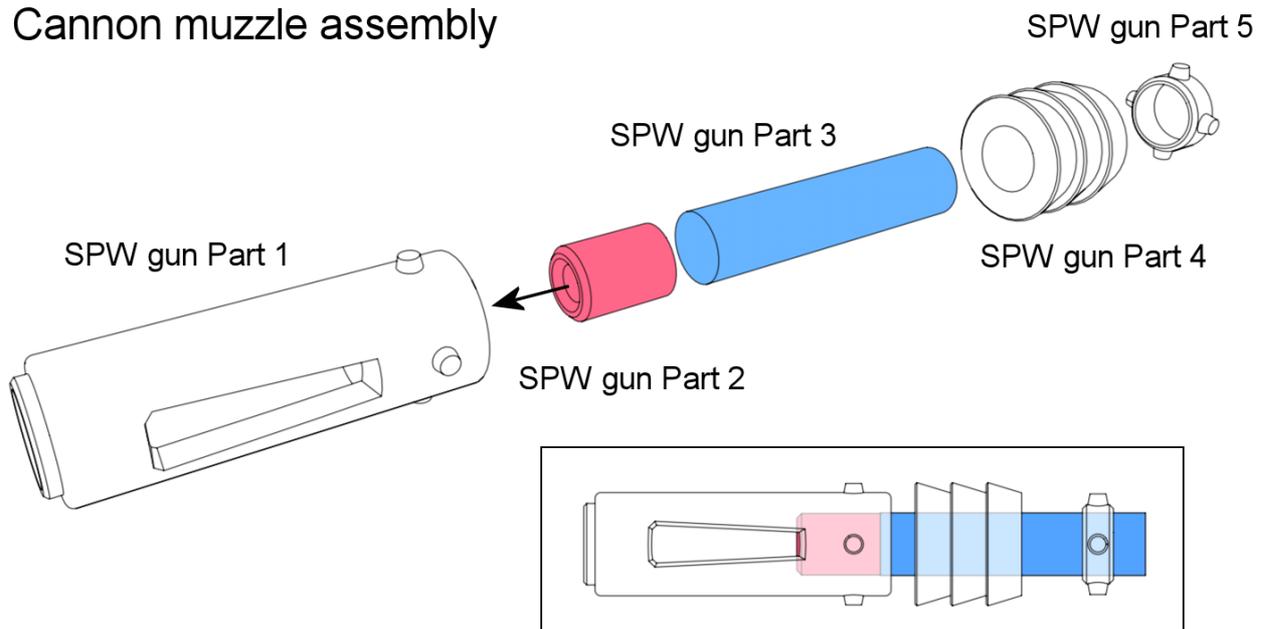
## 2 Upper body assembly



Thread the parts onto the insert peg, do not glue the *SPW Body* part if you want the body to be free to rotate.

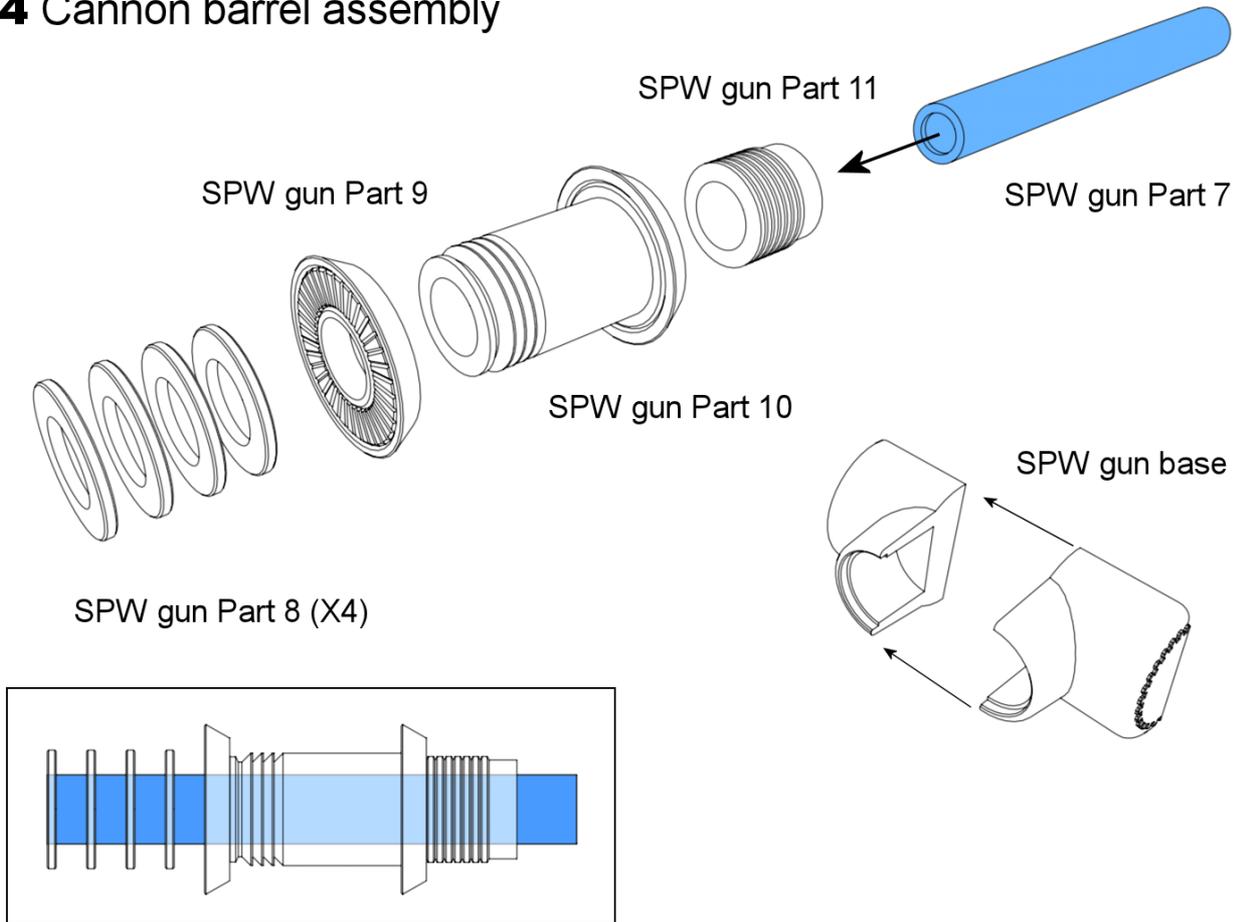
If the *SPW Dome* part does not fit tight enough to remain in place glue it to the insert peg, taking care not to get glue on the *SPW Body* part.

## 3 Cannon muzzle assembly



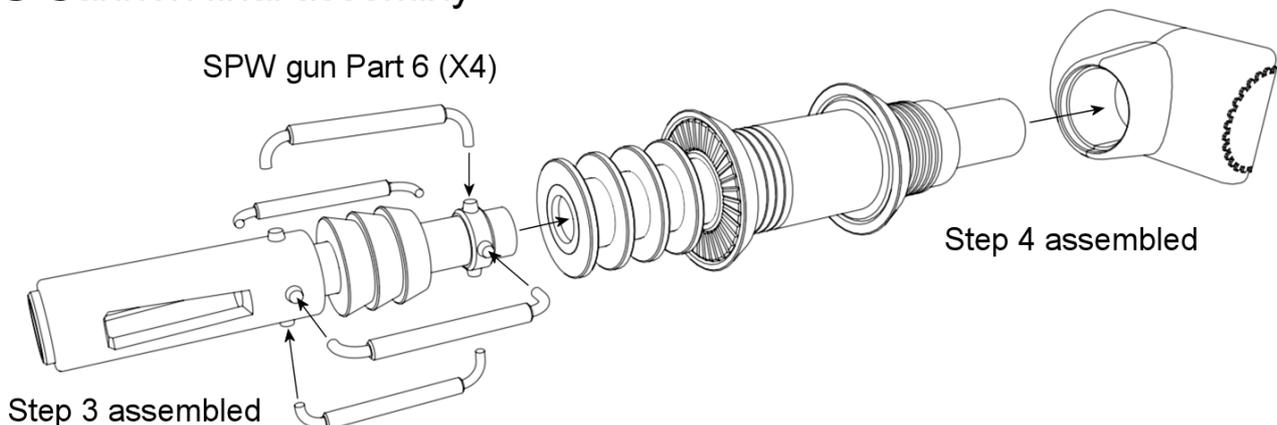
Insert parts 2 and 3 into *SPW gun Part 1*, slide parts 4 and 5 onto the protruding part of *SPW gun Part 3*, but **do not glue** *SPW gun Part 5* in place until assembly step 5 to allow the position to be adjusted when fitting the gun wires.

#### 4 Cannon barrel assembly



Thread gun parts 8(X4),9, 10 and 11 onto *SPW gun Part 7*. Note that the front end of *SPW gun Part 7* should be flush with the front of the first *SPW gun Part 8* disc. Glue the two halves of the gun base together.

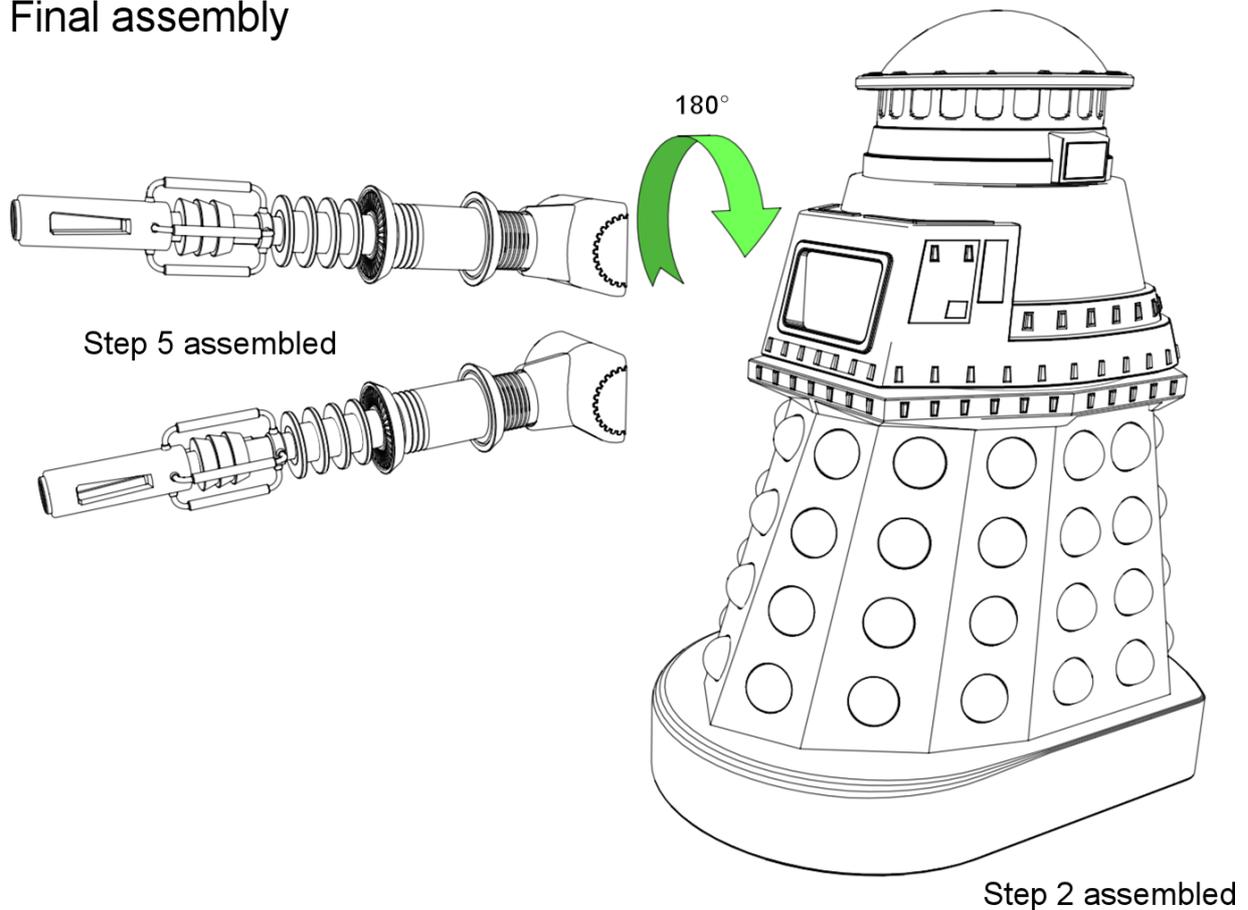
#### 5 Cannon final assembly



Depending up on the scale of your print and the type of printer you are using it may not be possible to print the gun wires (*SPW gun Part 6*). If you do use *SPW gun Part 6* you may need to slide *SPW gun Part 5* to match its position to the ends of the gun wires.

If you are unable to print the gun wires they could be fabricated from stiff wire instead. On his model John McAssey used electrical diodes for the gun wires and he suggests that medium sized electrical resistors may look even better.

## 6 Final assembly



Finally glue the cannon assembly into place on the front of the upper body.

Note that the angle of the cannon will depend on which way up it is mounted, so test fit the cannon before glueing it to ensure you have it at the angle you prefer.

Modelling and photography by John McAssey



Mechmaster 2150AD Special Weapons Dalek assembly manual version 1.3  
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