

# Cauldron Creep 3.0 How-To

*By Devils Chariot aka Craig Schriber aka Thelonious Burns*

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Parts list:

## **Stirring Assembly**

10" to 12" section of 3/8 in. W x 1/2 in. H Aluminum C-Channel with 1/16 in. Thick

[Home Depot Model # 96390](#)

2" to 3" PCV end cap

2 1" x 1.5" x 3" length of oak, walnut, or other hardwood

2 1" x 1.5" x 2.5" length of oak, walnut, or other hardwood

12" to 18" diameter circle of wood, mdf, or particle board

Plumbers Tape 3/4 in. Galvanized Steel Hanger Strap

[Home Depot Model # 339292](#)

Monsterguts.com [Wiper Motor](#) (or similar)

Monsterguts.com [DC Motor/ LED Light Dimmer](#) (option 1)

ATX power supply from computer (option 2)

1 1/4" drywall or wood screws

3" drywall or wood screws

## **Cauldron Creep Body**

### *Neck Mechanism*

Loctite Thread Adhesive

6 1/4" nuts

1 3/4 by 1/4" bolt (neck assembly)

1" by 1/4" bolt (neck motor)

2 1/4" washers

4 2" x 10-32 bolts

2 1 1/2" x 10-32 bolts

16 10-32 nuts

4' KO Test Cap (or 4" circle of rigid material 1/16th to 1/8th thick, ABS plastic, Metal, etc)

9" Schedule 40 PVC 1/2" ID pipe : one 7" section, two 1" sections

1 Schedule 40 PVC 1/2" ID 4 way Cross

2 Schedule 40 PVC 1/2" ID 45° Elbow

5.5" section of 3/4 in Aluminum Flat Bar Stock with 1/8 in. thickness

[Home Depot Model # 44650](#)

1" x 1.5" x 7.75" length of oak, walnut, or other hardwood (also used in stirring mechanism)

{continued}

(continued from page 1)

2001-2008 Dodge Chrysler Heater And A/C Blend Door Actuator 12 volt 5rpm DC motor (now \$25-\$35 on ebay)

Robust AC Synchronous Motor 110V AC 5/6RPM Geared Motor CW/CCW Torque 4kg (about \$5 on ebay)

1 Metric M4 threaded bolt for the AC Sync motor option

### **Head**

2 [Eye Ball blanks](#) from Monsterguts.com or two roll-on deoderant balls from packaging.

2 Common Anode RGB LEDs Radio Shack SKU NUMBER:12760028

3 3 pin mini toggle switches

Electrical wire , red, black, and third color (I use green in my how-to)

thin sheet of plastic or metal (a grocery club card works)

heat shrink tubing or black electrical tape

Schedule 40 PVC ½"ID coupling

Gorilla Glue (must be gorilla glue, which is urethane expanding adhesive)

Plumbers/Epoxy putty

### **Body and PVC Frame**

Schedule 40 PVC ½"ID pipe through out

2 23" lengths for the spine(s)

2 5.5" length for shoulder

2 5.5" length for pelvis

4 1" sections to connect legs and arms to torso

2 10.5" sections for upper arms

2 11.5" sections for forearms

2 28" sections for feet

6 T connectors

5 90° elbows

3 45° elbows

1 in. x 2 ft. x 10 ft. Poultry Netting

[Home Depot Model # 308400HD](#)

1 ¼" drywall or wood screws

Weed Shield Landscape fabric from [Big Lots](#) (it's terrible for gardening but great for costumes)

spray adhesive

3 Size #2 ball bear cross lock fishing swivel ( for marionette arm at elbow and wrist joints)

**Tools Needed:**

Wire brush

Hot glue gun

Cordless drill

Drill bits

7/8 and 1" Paddle Bits

Driver bits

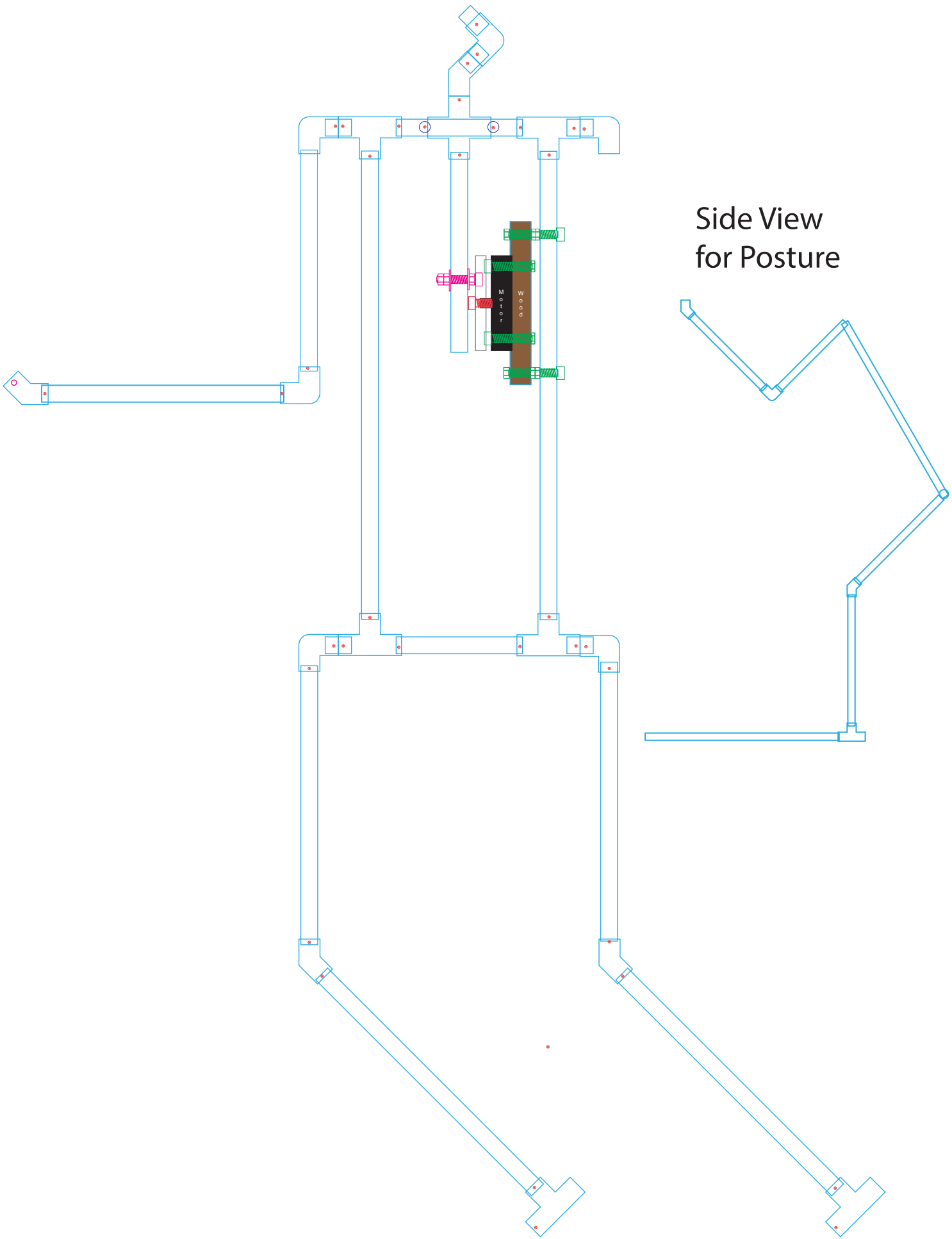
PVC cutter or saw

Soldering iron and solder

Socket Wrench set (including 1/4" and 10 mm sockets)

Wire cutters/strippers

dremel with sanding drum



Side View  
for Posture

Planographic View

These screws don't fasten any joints but act as stops to keep Tee in the neck assembly centered. Otherwise over time it will shift and the mechanism will bind at the neck.

6" length passes through bored out Tee

Drill 1/4 inch hole to attach marionette arm

Drill 1/4 inch hole to attach Stirring Stick

### Legend



1.25" PVC "T" fitting



1.25" PVC 90° Elbow



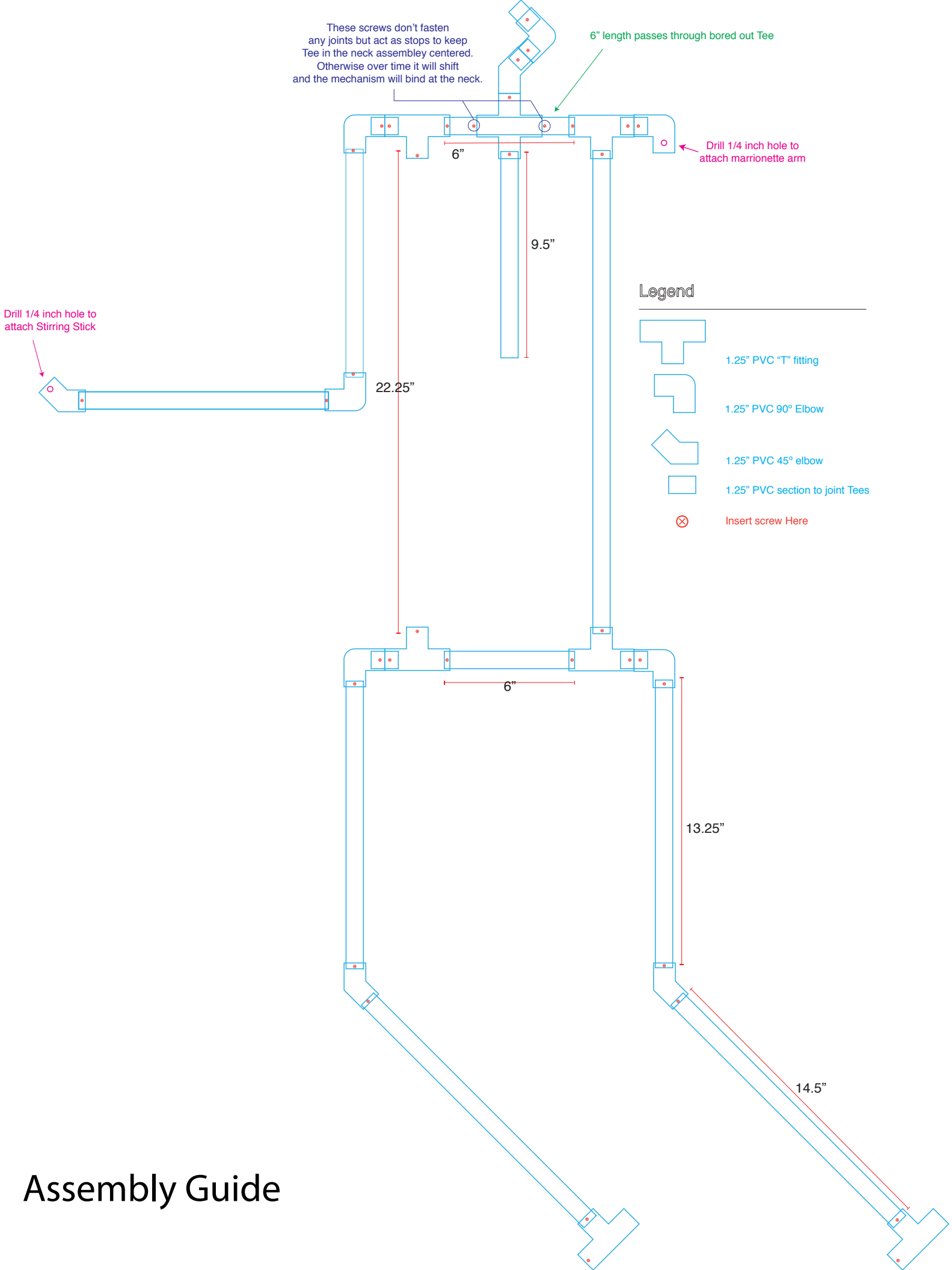
1.25" PVC 45° elbow



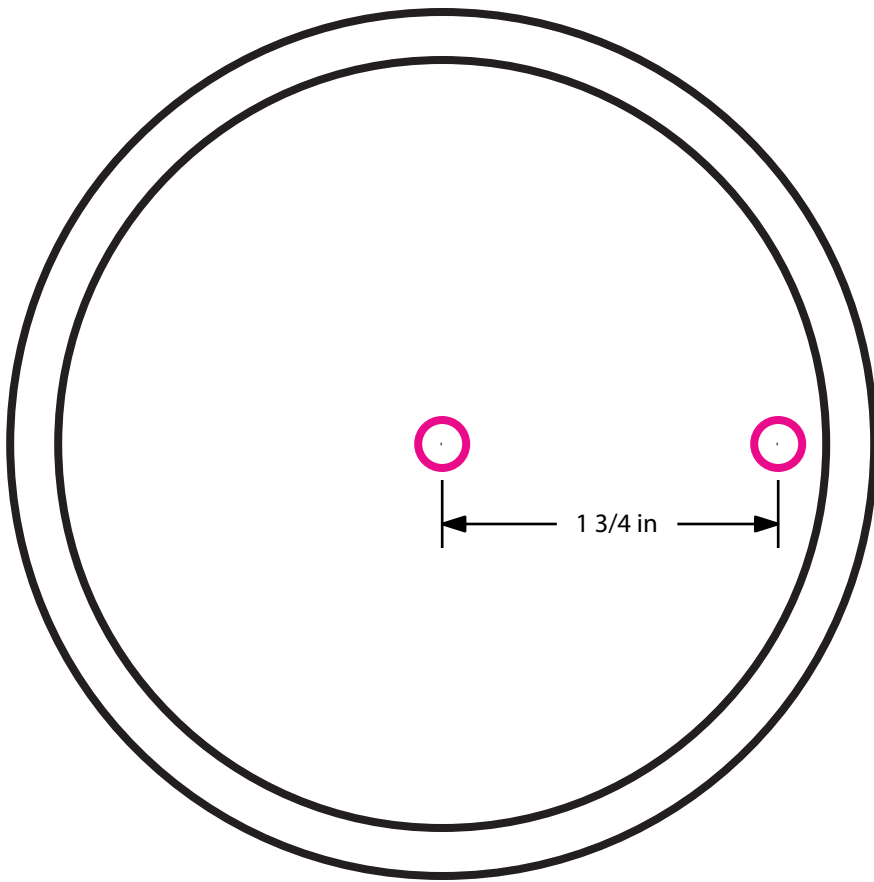
1.25" PVC section to joint Tees



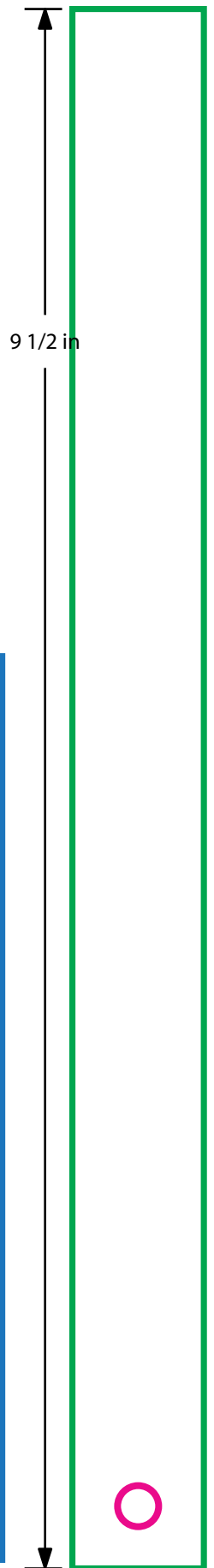
Insert screw Here



# Assembly Guide

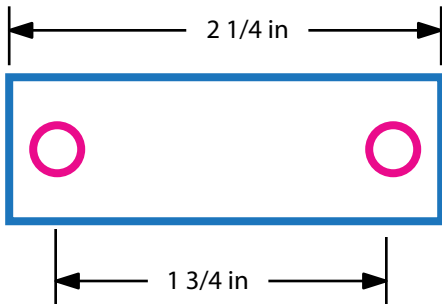


1/2 PVC pipe

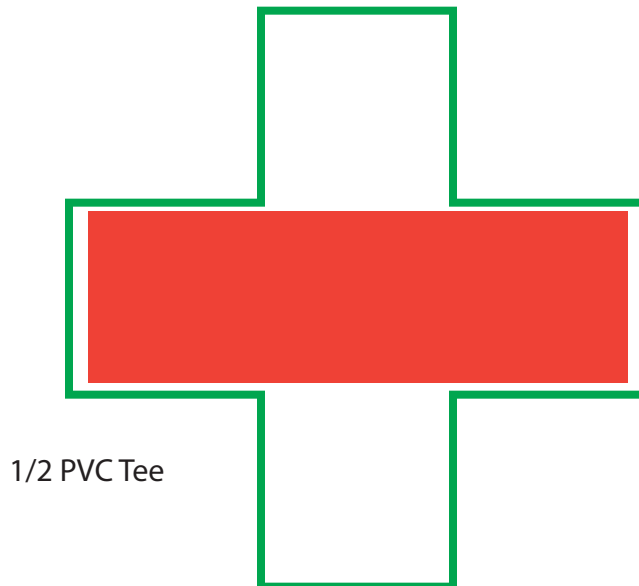
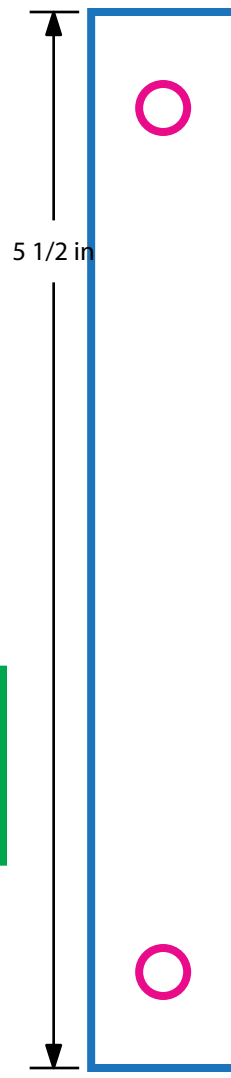


Use the plastic drain cap with an .25 hole offset 2.5" from center OR use a piece of bar stock with .5 holes drilled 2.5" apart.

3/8 metal barstock



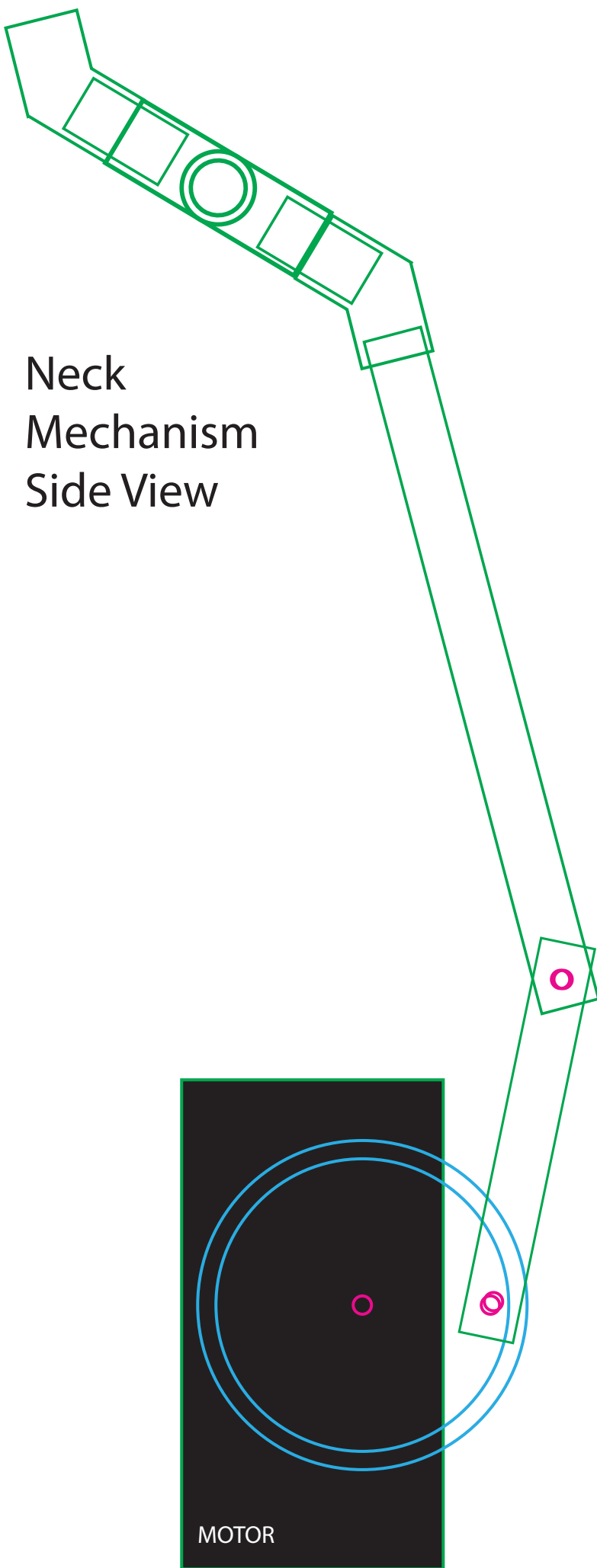
3/8 metal barstock



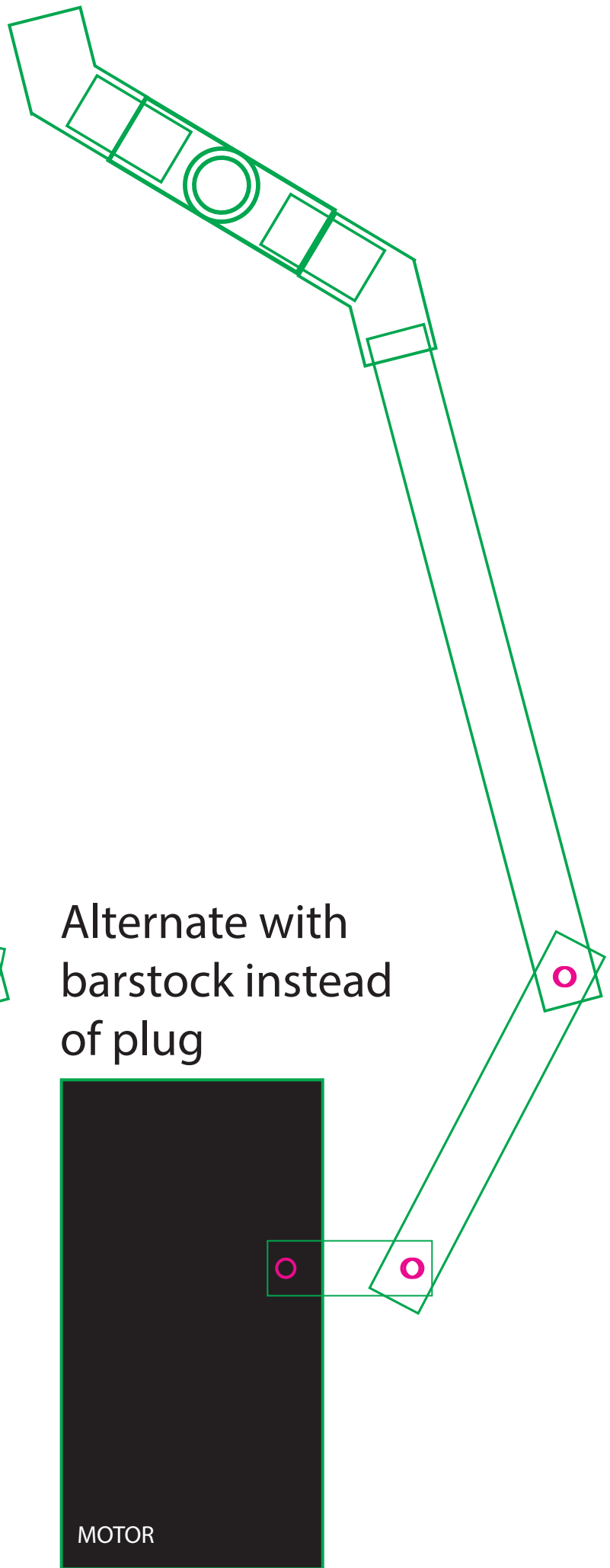
1/2 PVC Tee

Bore out the area in red with a dremel and sanding drum until a length of 1/2 PVC pipe will slide through freely

Neck  
Mechanism  
Side View



Alternate with  
barstock instead  
of plug



These screws don't fasten any joints but act as stops to keep Tee in the neck assembly centered. Otherwise over time it will shift and the mechanism will bind at the neck.

6" length passes through bored out Tee

Shown for position not to scale

1/4 nuts tightened against each other not tight against washer apply threadlock

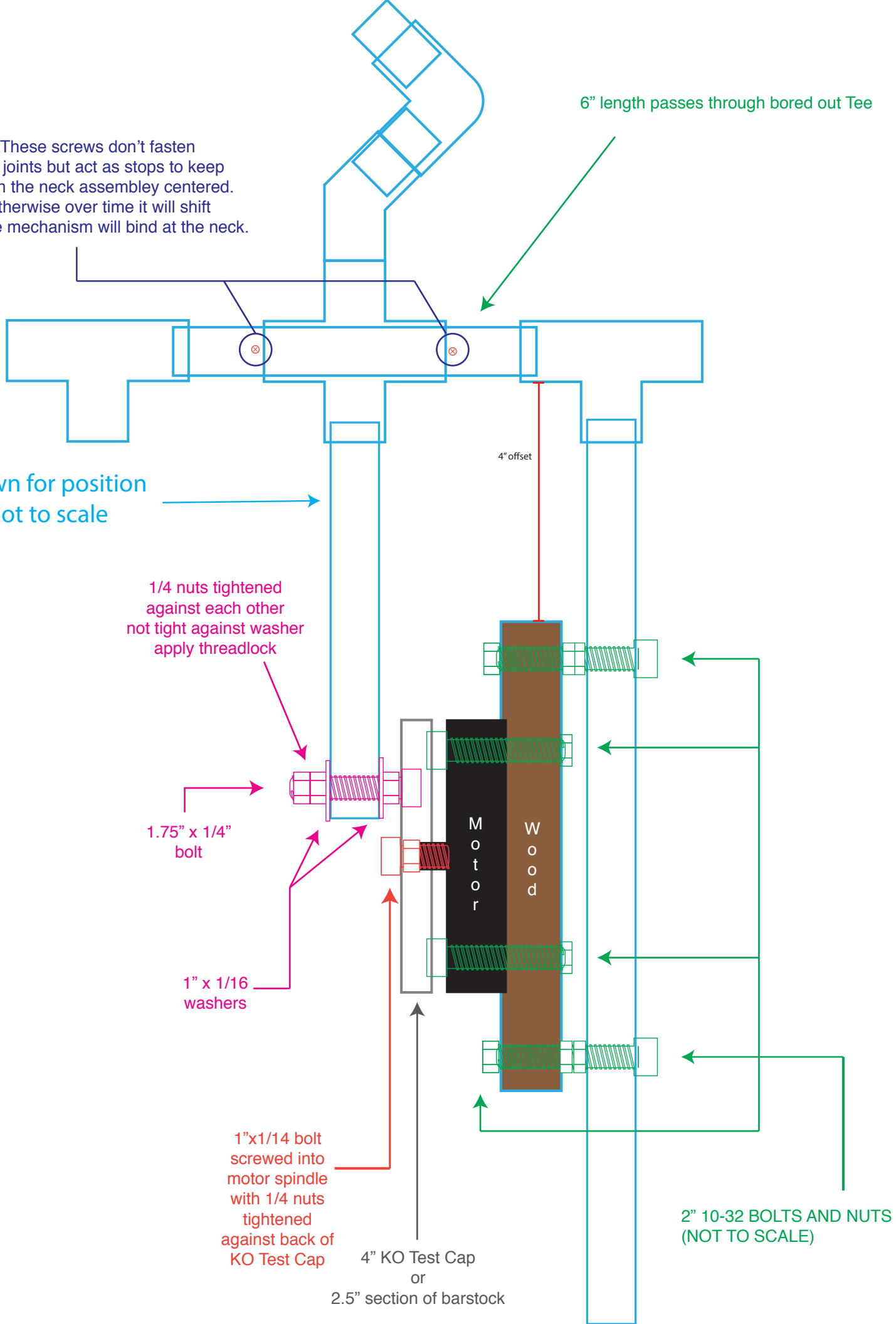
1.75" x 1/4" bolt

1" x 1/16 washers

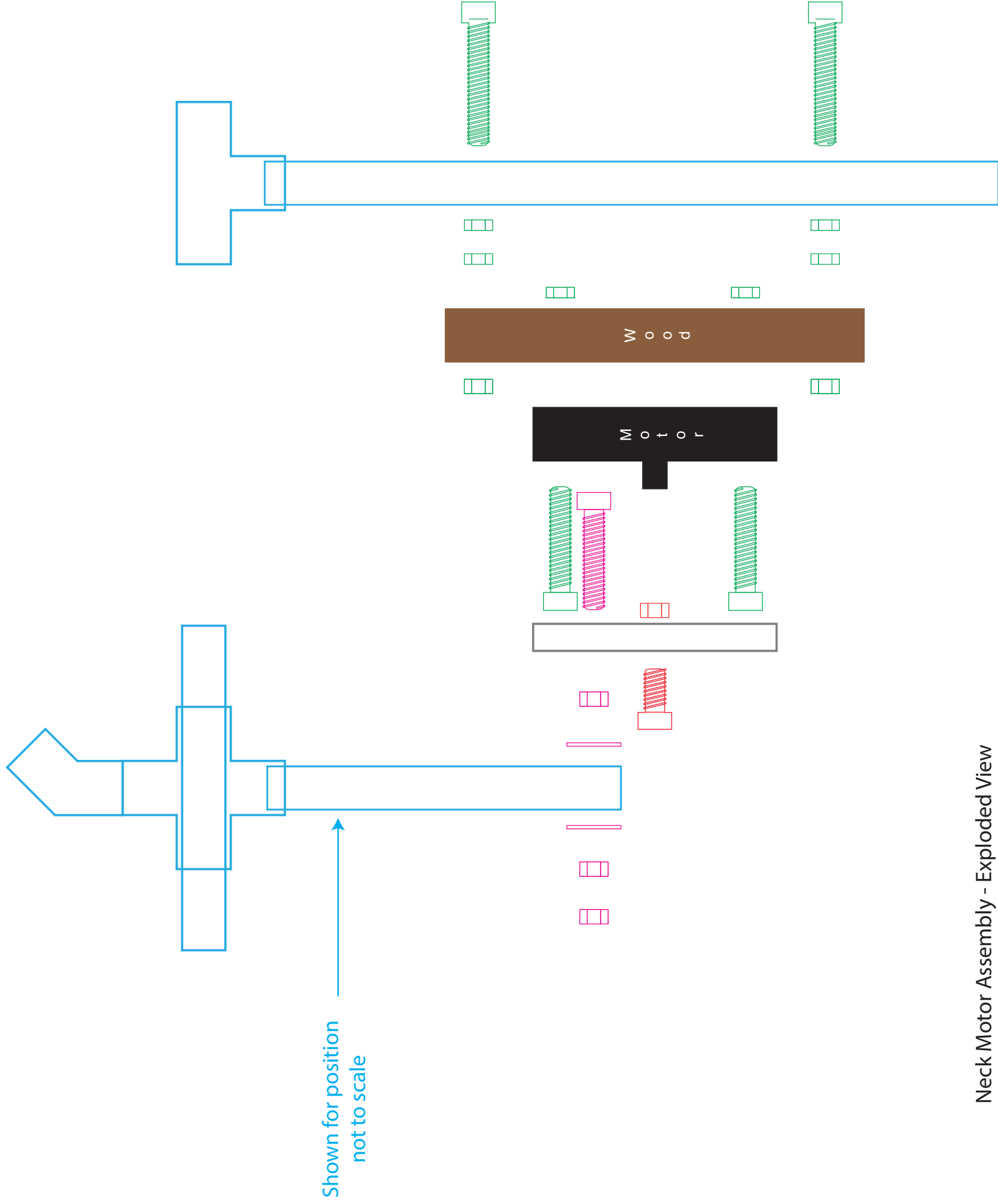
1"x1/14 bolt screwed into motor spindle with 1/4 nuts tightened against back of KO Test Cap

4" KO Test Cap or 2.5" section of barstock

2" 10-32 BOLTS AND NUTS (NOT TO SCALE)







Neck Motor Assembly - Exploded View