

Welcome to CMC plushies with movable head complete guide.

Plushie size is approximately 43cm. The introduction part is the same as my other tutorials.

1. Materials.

I have chosen the polar fleece for it's durability, but you can choose any material that is not too elastic. Elastic materials require specific stitch and tend to lose their shape after stuffing.



It is good idea to send your materials to professional embroidery workshop. Prepare eye vectors. Their sizes oscillates around 9 x 9 cm for this pattern. You can ofcourse paint the eyes later with acrylics, but the effect would be much worse. The budget embroidery machine is a bad idea too. Professional ones costs a lot and that is why they are much more precise and give better results.

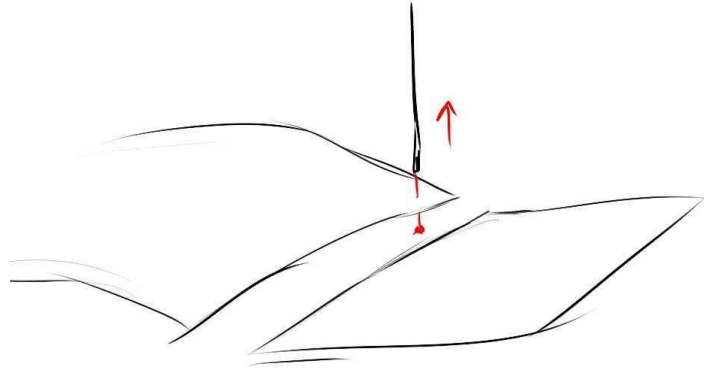
You are going to need:

- 100x80cm of white, yellow and orange polar
- 100x40cm of pink and dark violet polar, 100x60cm of light violet polar and 100x60cm of red polar,
- about 3,5kg of polyester fiberfill
- 1.3mm thick galvanized wire, it's very cheap, so you can buy 2 meters
- 3x 3cm thick, 30cm long, empty inside plastic pipe. You can get it in electrical shop.
- pliers to cut the wire and help getting your needle through some parts of sewing
- ruler
- white soap to mark pattern on the material
- pins
- cut out patterns (most parts are larger than A4, so you need to use bigger printer or just trace them using eyes only), they are scaled already (hoof should be about 7cm long and 5,5cm wide). Use thicker paper for them.

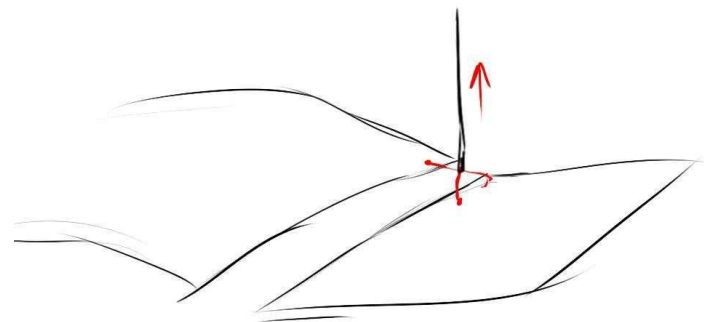
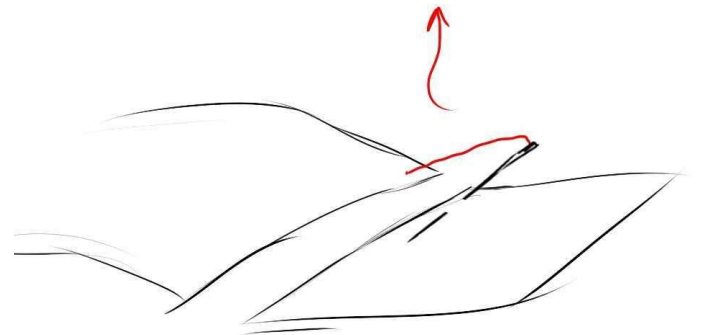
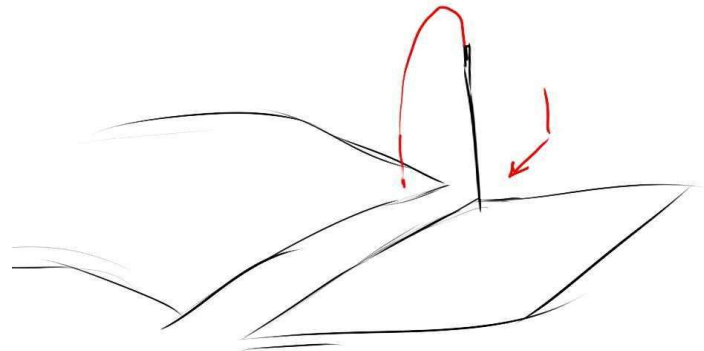
2. Preparations

It is important for you to master the ladder stitch and other stitches shown in this point.

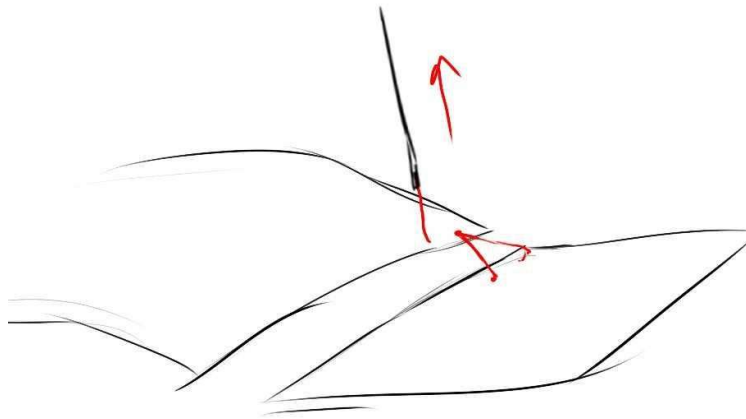
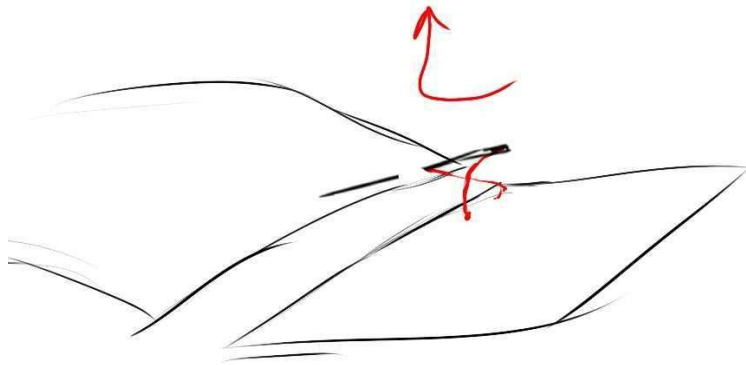
The ladder stitch:



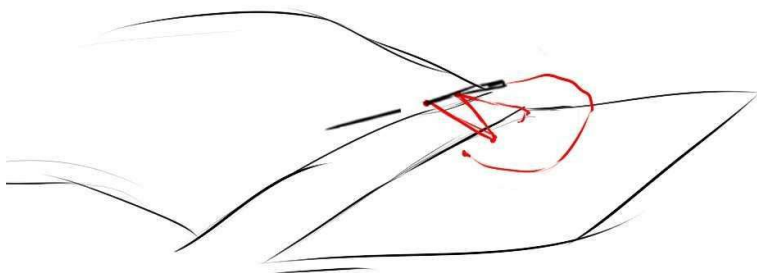
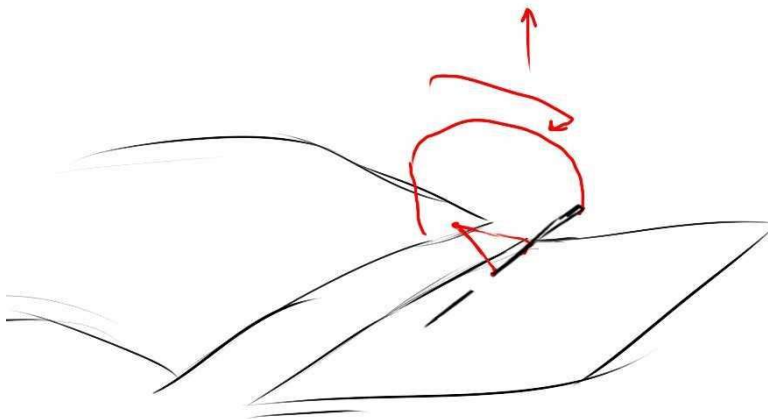
Make sure that your knot is big enough to support the stitch.



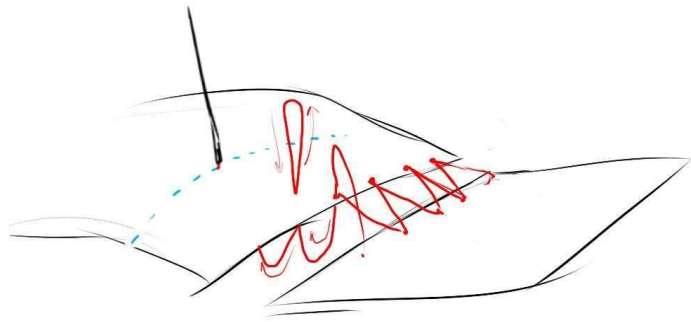
Pull hard here.



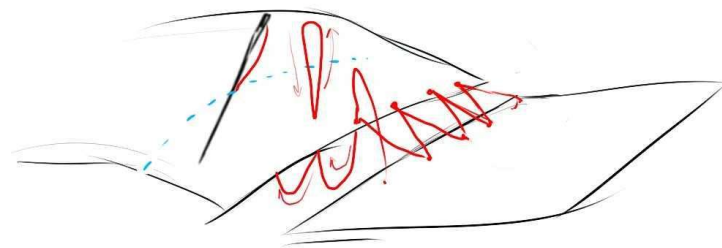
And here.



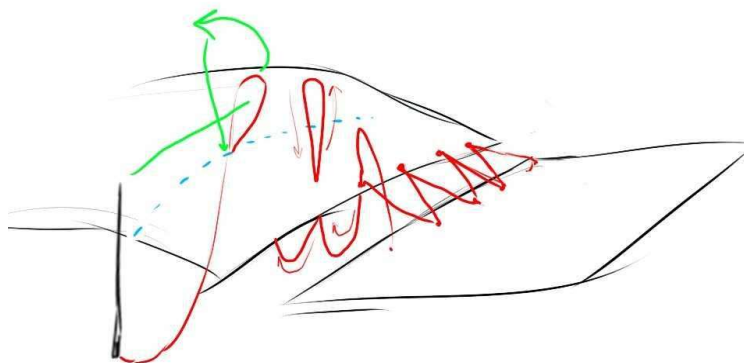
This should be easy for you now.



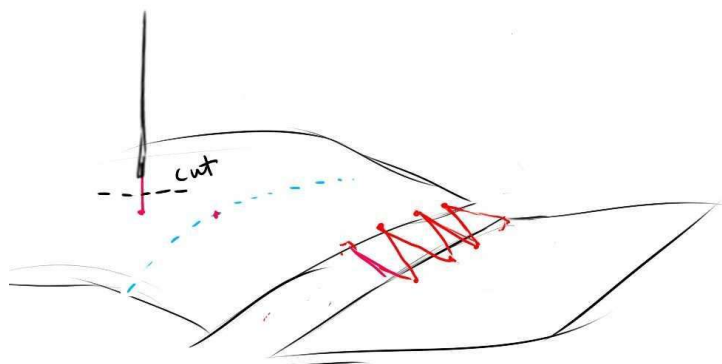
To finish the sewing, you need to pull your needle underneath the material, pull it out, return to that hole again and seek any other sewing arround.



Once found, pull the thread hard, so the last stitch is sealed.

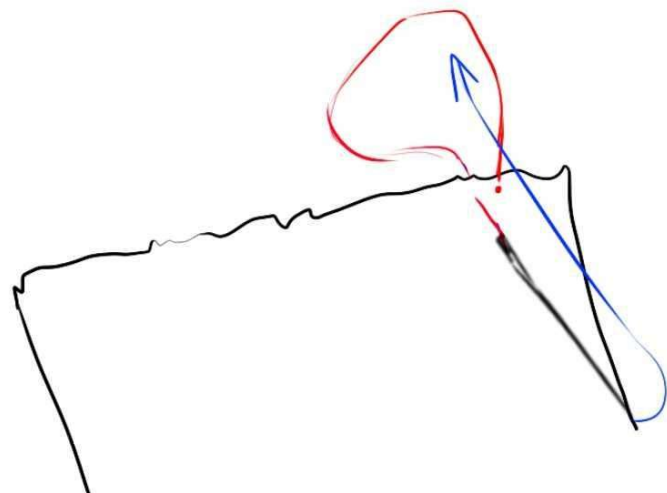
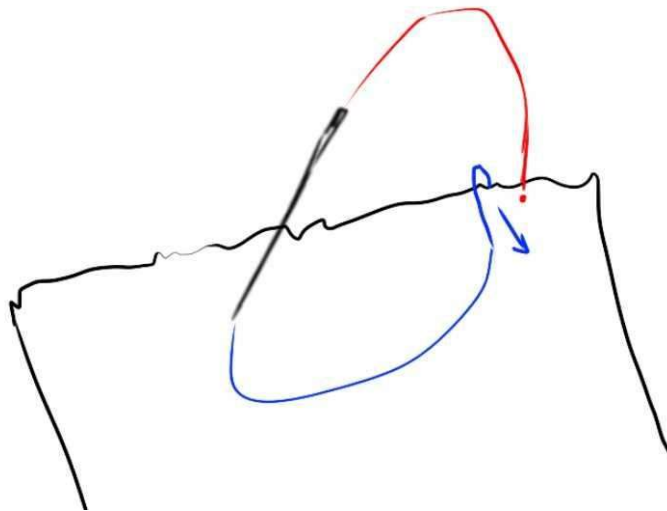
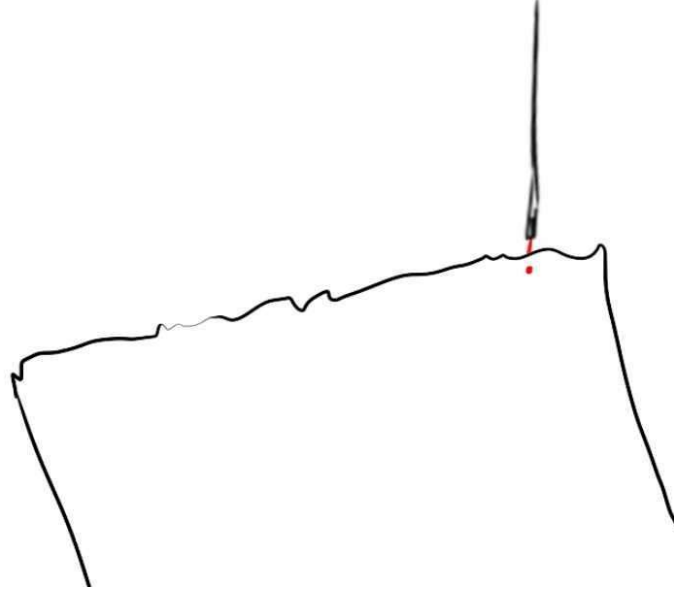


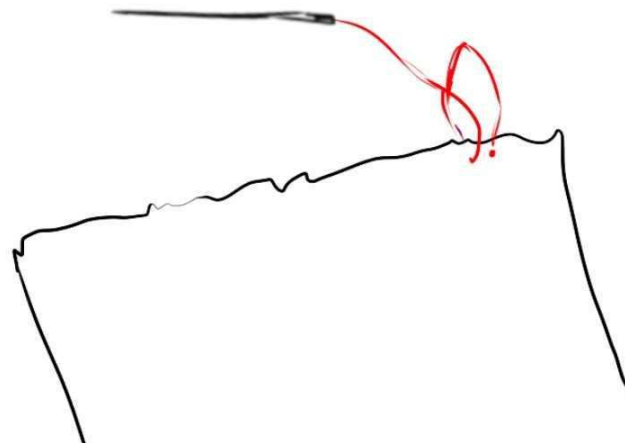
Tie the threads and shove the needle in space behind it.



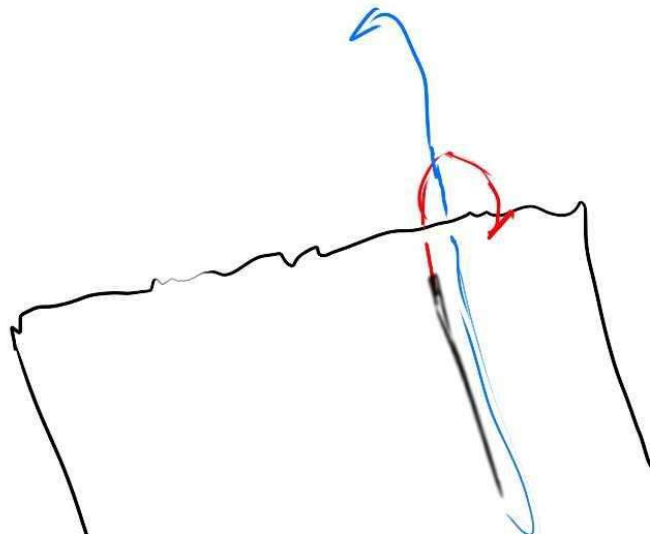
Pull out hard and cut.

Another stitch you are going to need is the **embroidery stitch**. It serves well in wings and neck sockets, increasing material durability after tearing it apart.



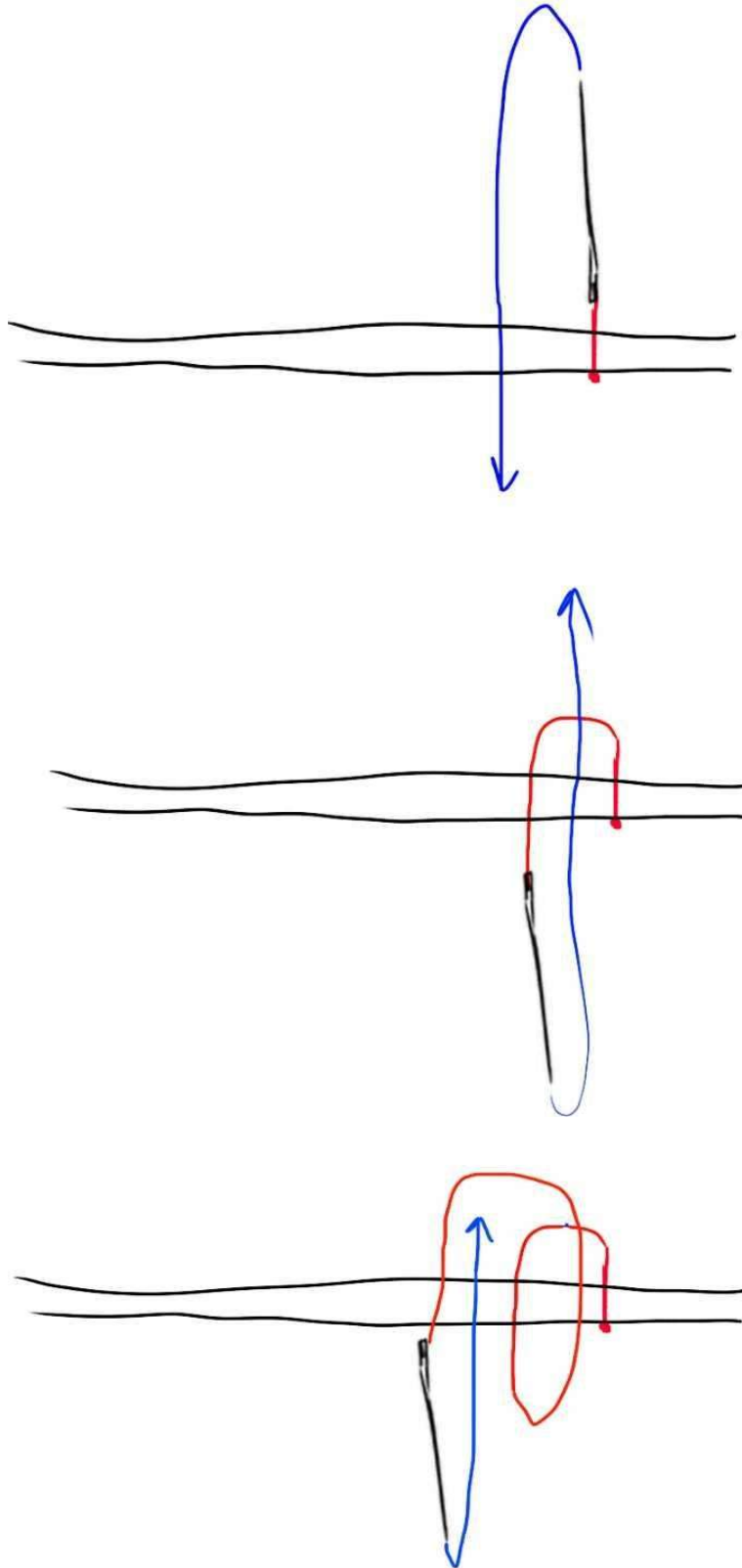


Pull hard, move on.



And again, and again.

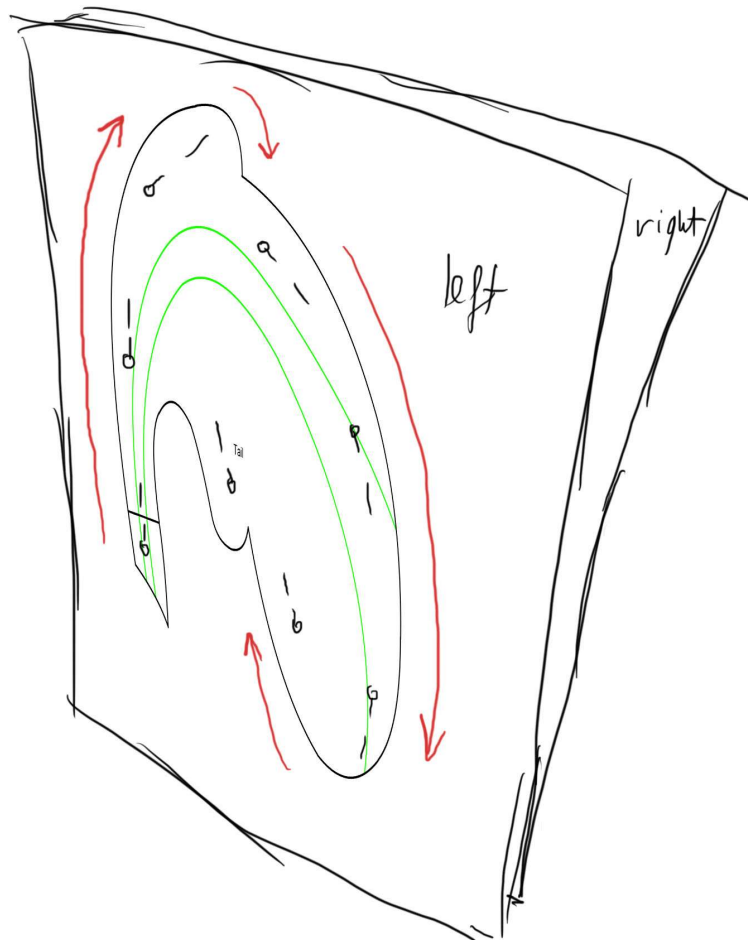
There is also a stitch used to manually sew the mane and tail initial parts, as well as attach them to the body. It's the **back stitch**. Your spacing need to be like 2mm for full durability.



Just remember to pull it strong. You end the stitch the same way the embroidery one is made.

3. Constructing the manes and tails

The Applebloom and Scootaloo manes and tails are the easiest ones.



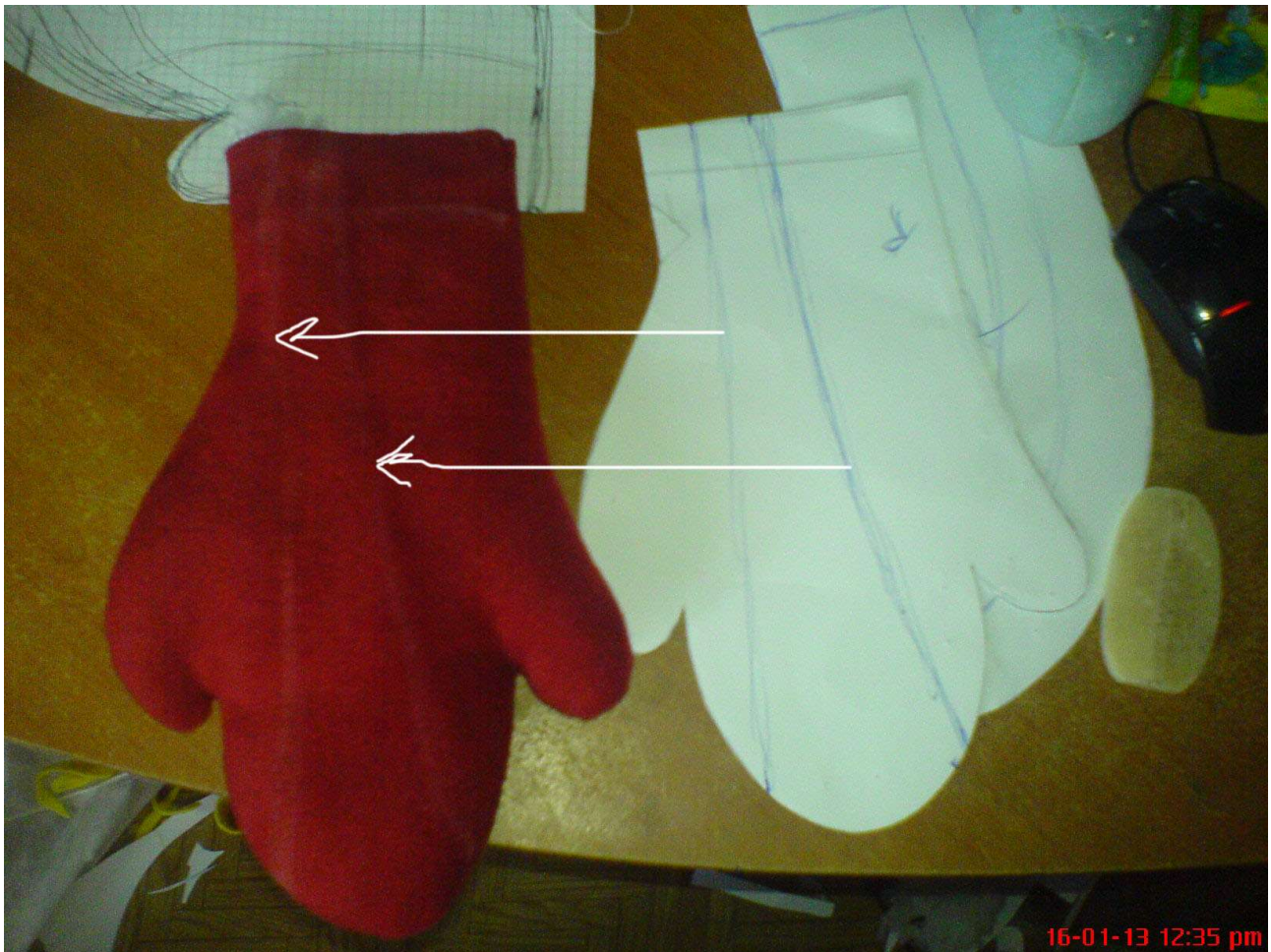
Just pin the pattern into 2 layers of material, with right sides facing each other, and sew.



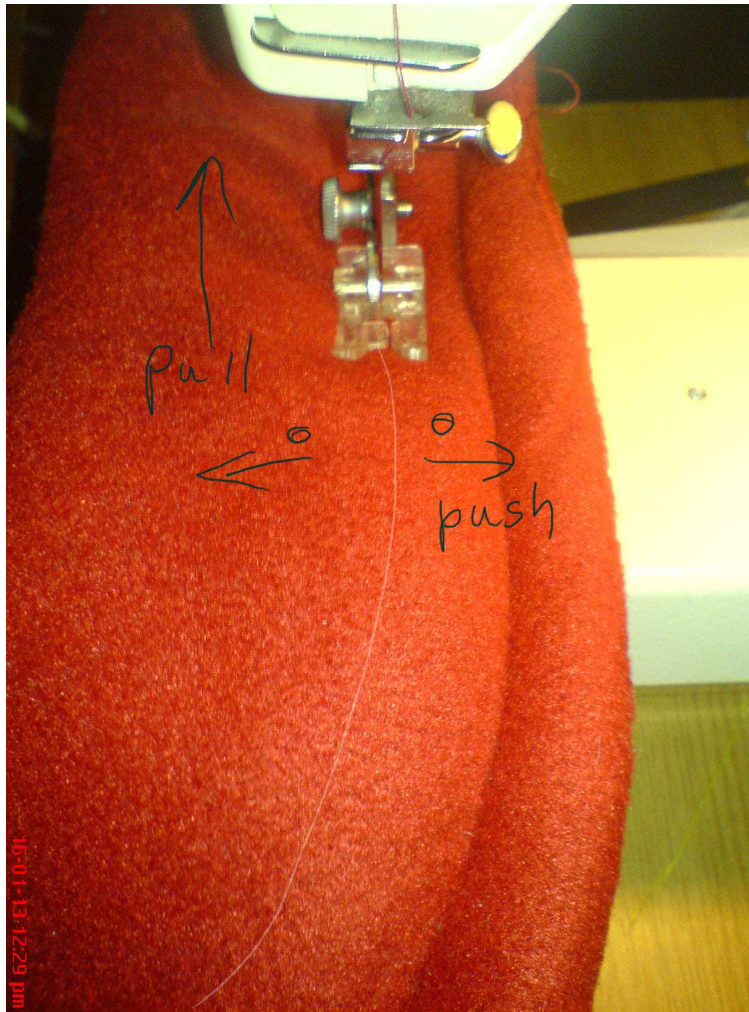
Keep the needle about 1mm close to the pattern. If you get into the thick maneuver situation, just lift the machine foot presser, turn the material a bit, drop the presser, sew and lift again, until you are able to turn freely again.



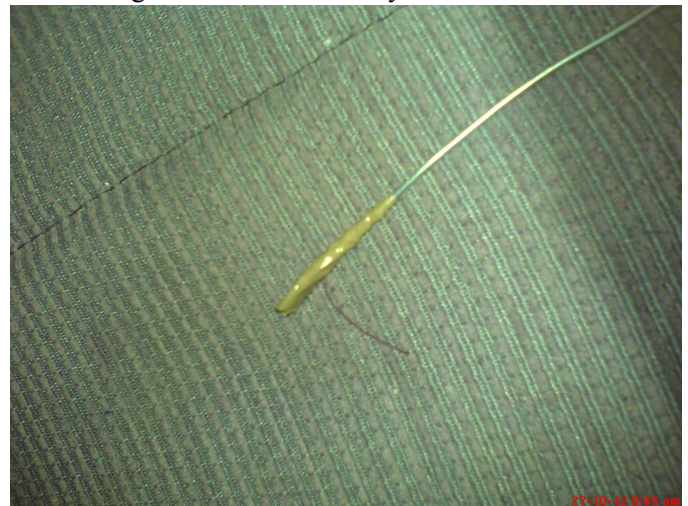
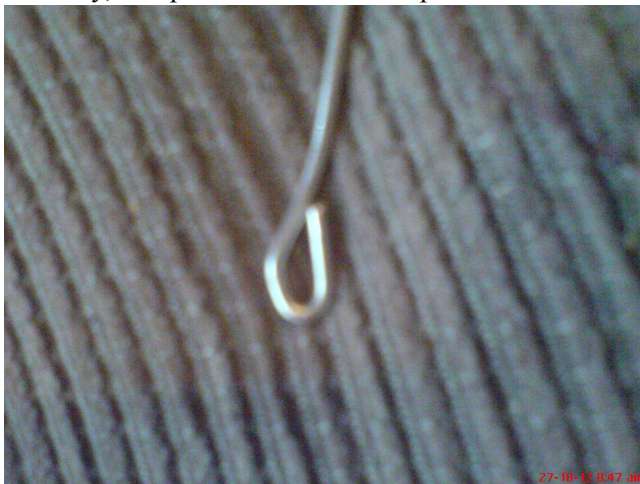
Once sewn, remove unnecessary amounts of material, leaving about 0.3cm of it near seams. Turn inside out, pushing the material out of the tail base hole. Stuff lightly.



Trace the embroidery lines from your pattern into the mane/tail part with soap.



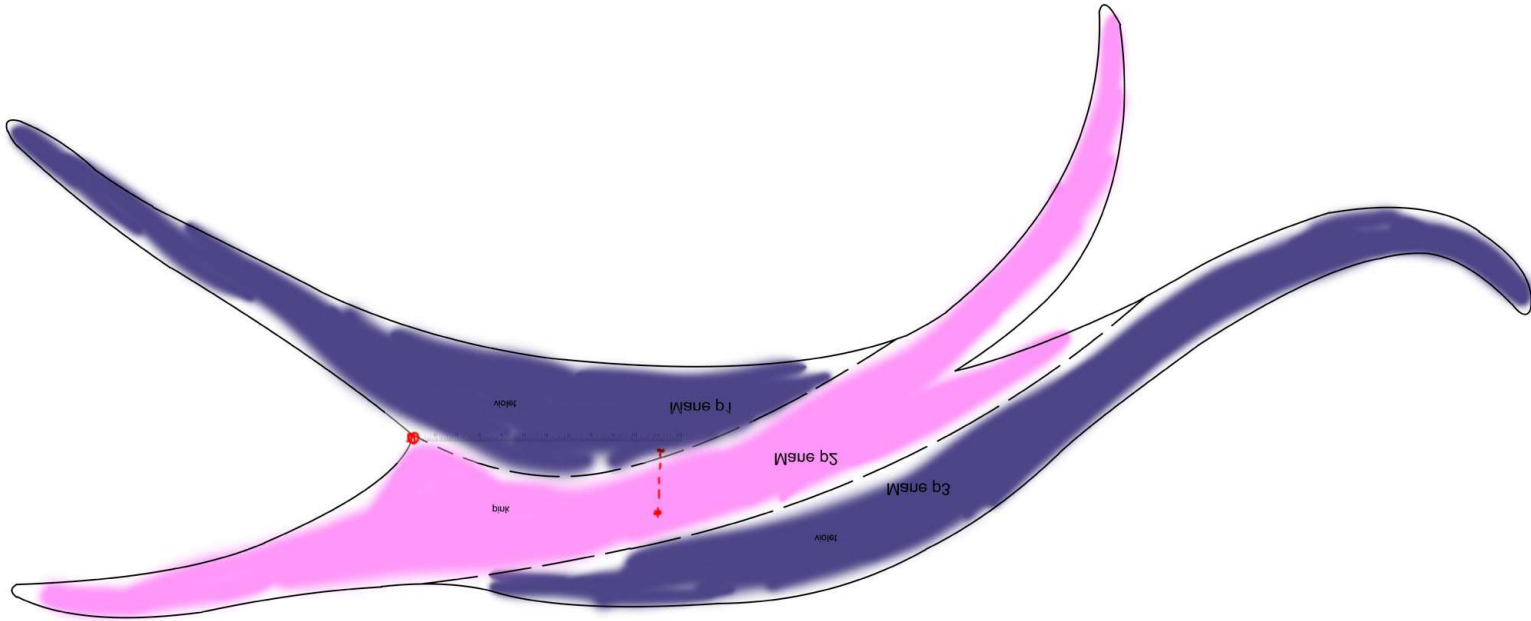
Follow the lines on machine. Because part is stuffed, there might be a problem with material getting stuck. You need to pull it reasonably, and push between the soap line to make the machine foot go over there smoothly.



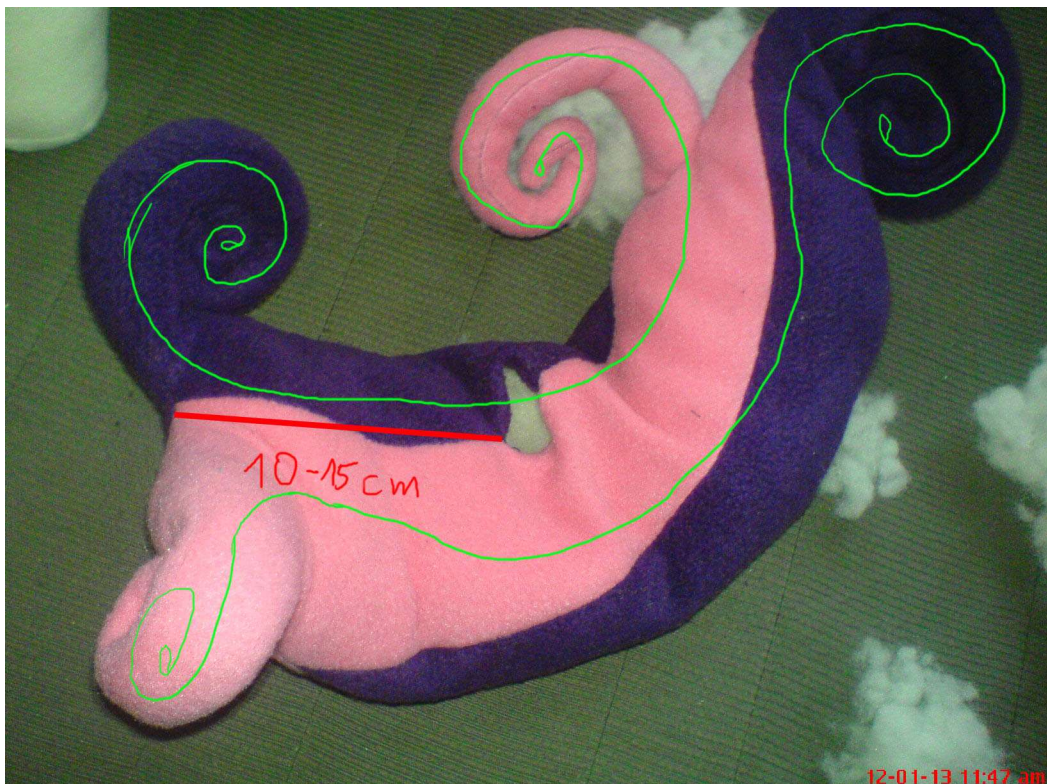
Bend the wires at the ends and cover them with tape. They are only needed three times: on Applebloom second mane part, Swetie Belle mane and tail.

Sweetie Belle mane and tail

Creating her is a little harder. You need to mark and cut right and left strips of her mane / tail. It's explained better on Twilight mane tutorial demo that you can find in this pack. Once you follow the instructions, you would end with flat Sweetie Belle mane.

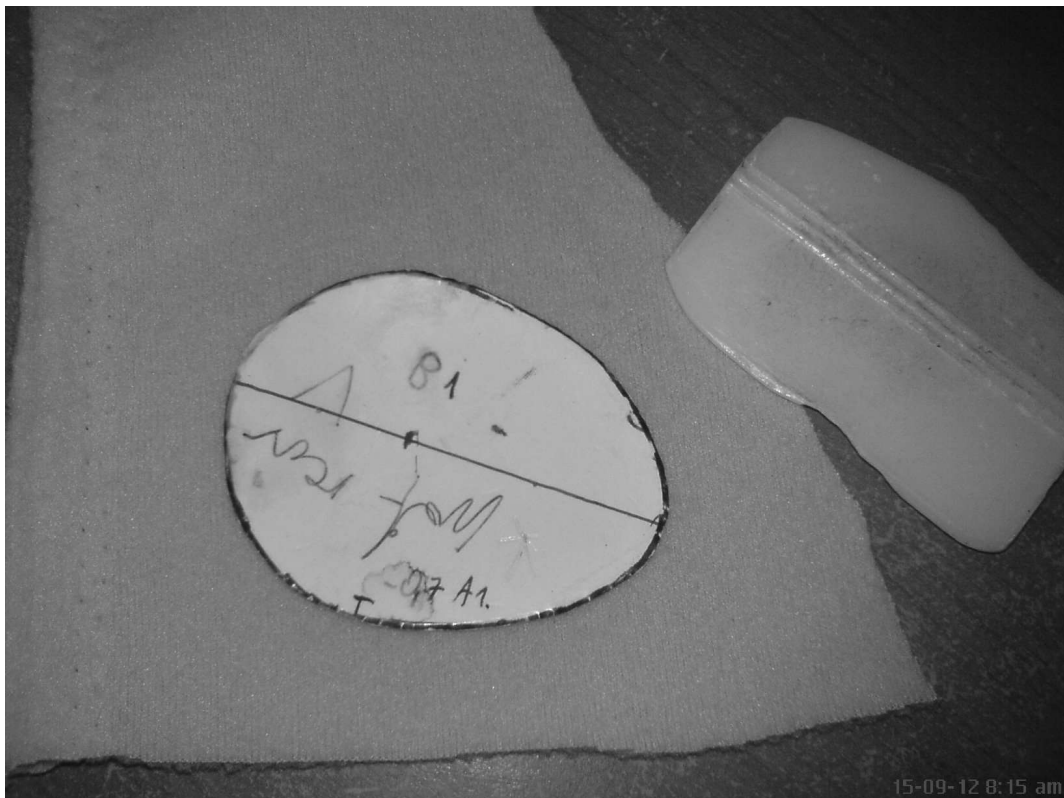
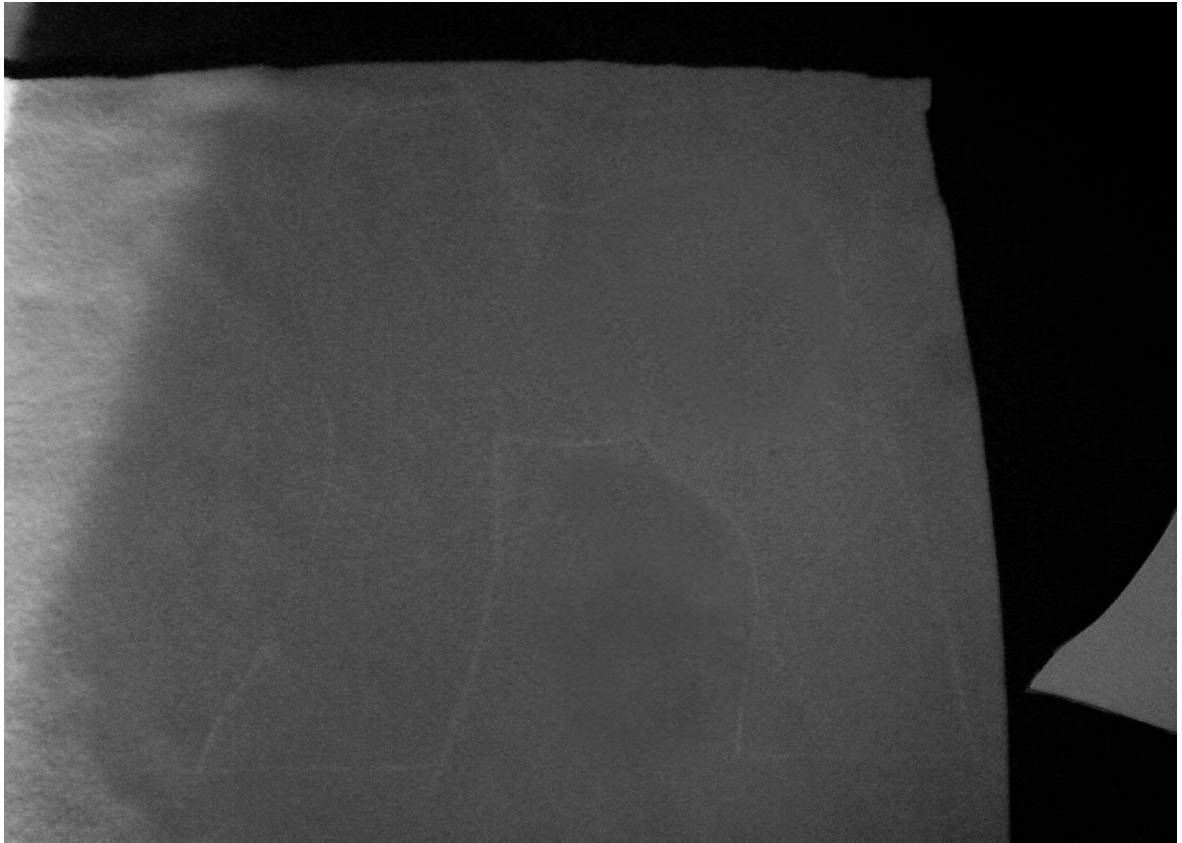


Measure 10-15cm from the front part and make small cut to turn the mane inside out (**do it after you construct the head part to match the sizes perfectly!**). After stuffing the mane lightly you would get the effect pictured below. Green lines indicates the wire placement. The wires are also present in her tail, it's very easy to set them up there.

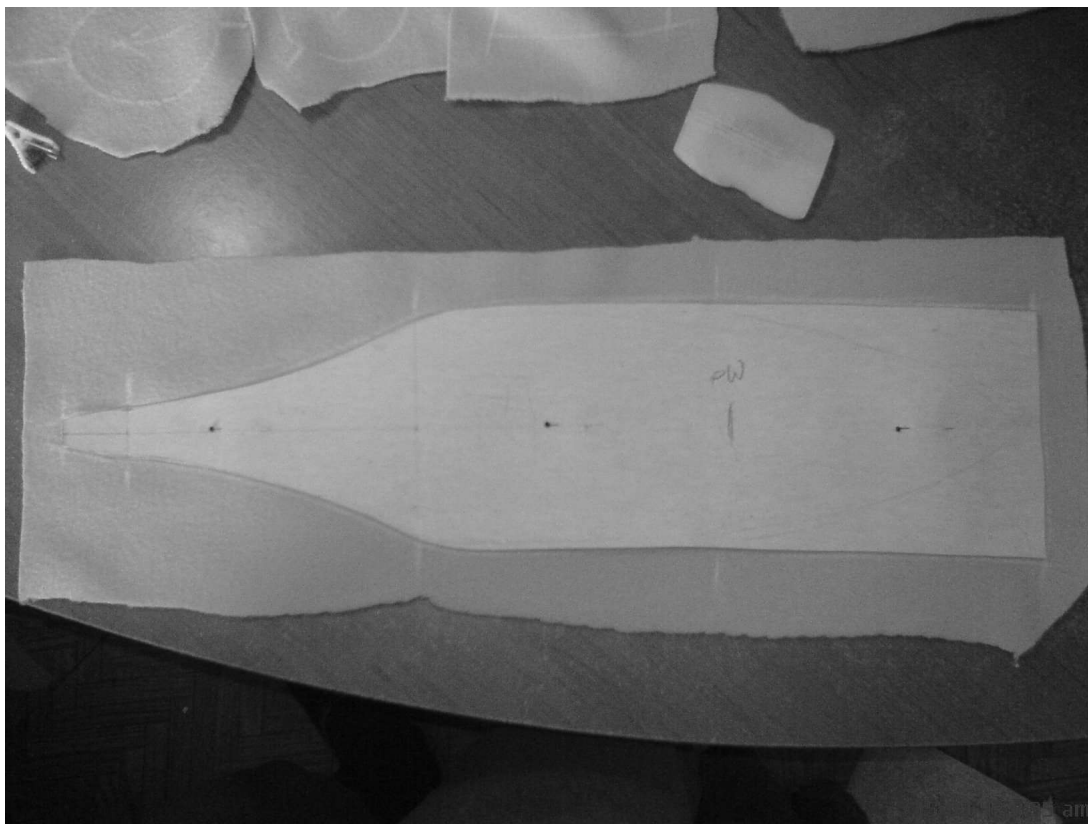


4. Body, head and props.

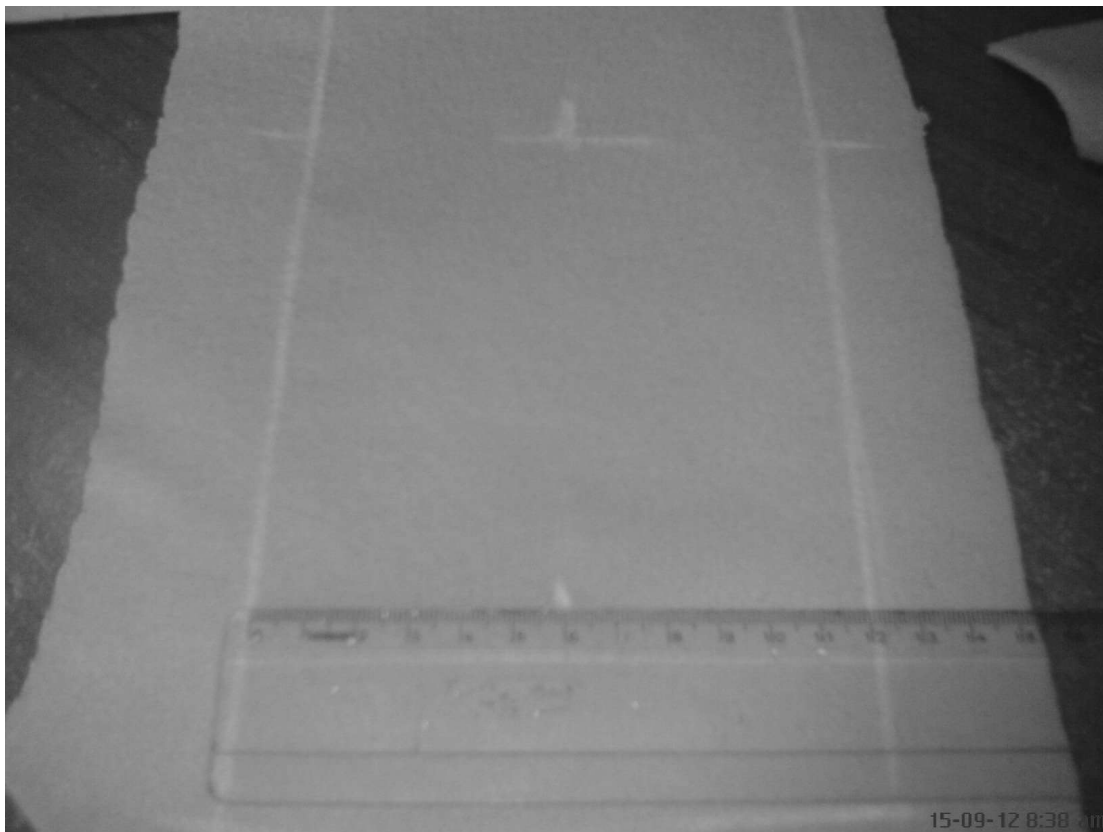
Mark the body side twice, from right and left sides.



Do the same with materials for 4 hooves. Add the symmetry lines and directional arrow. Remember to leave seam allowance when trimming. I like to have about 2-3cm of it. The rest of the pattern is put on the material the same way.



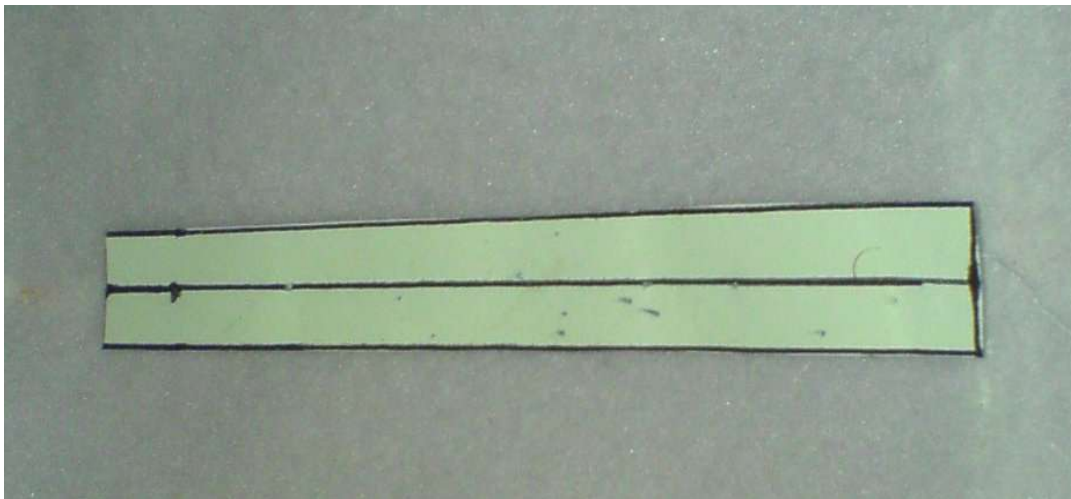
The head part is a little more trickier. I never use finished up pattern here. Cut with much more allowance.



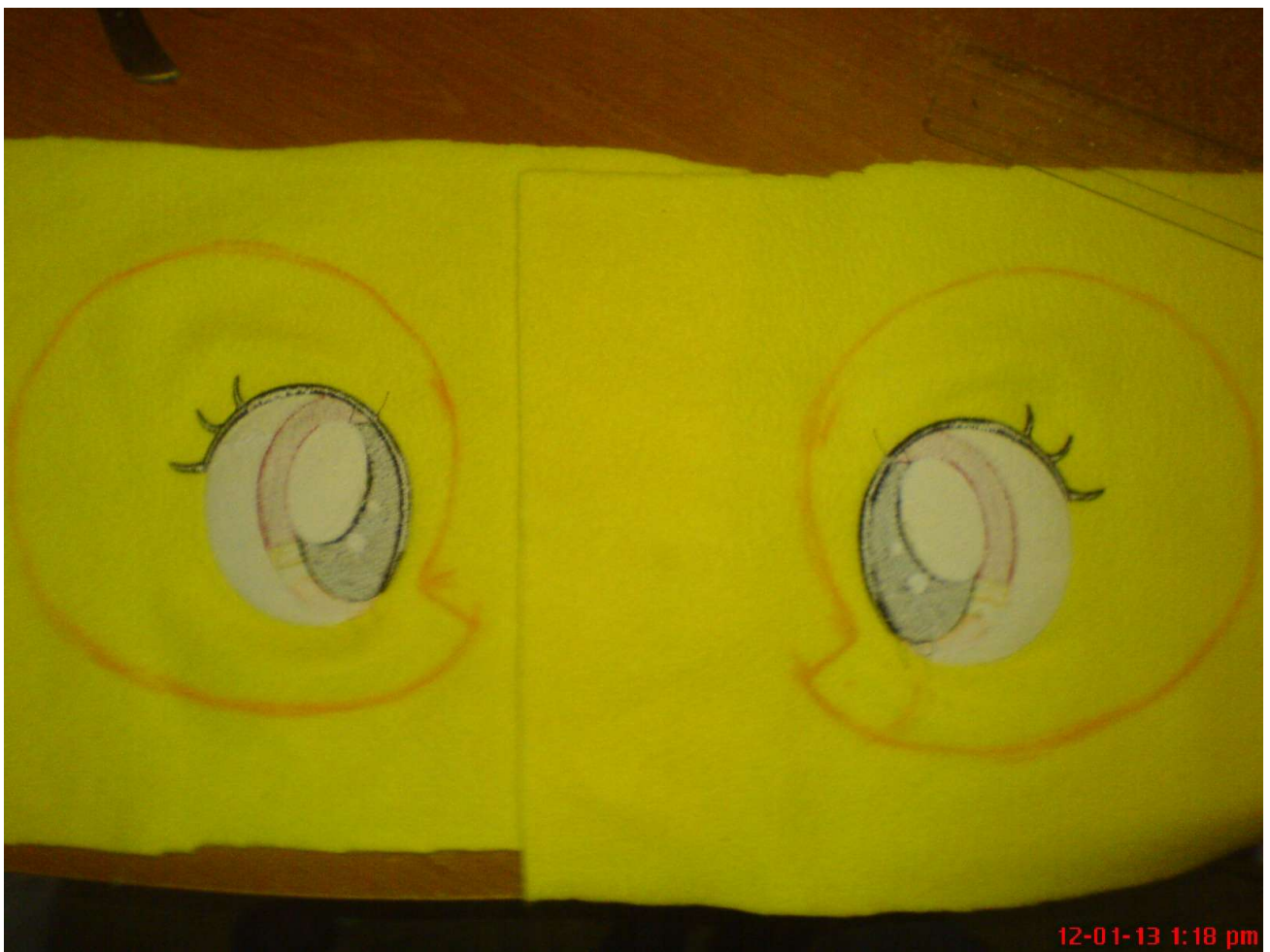
Mark the center.



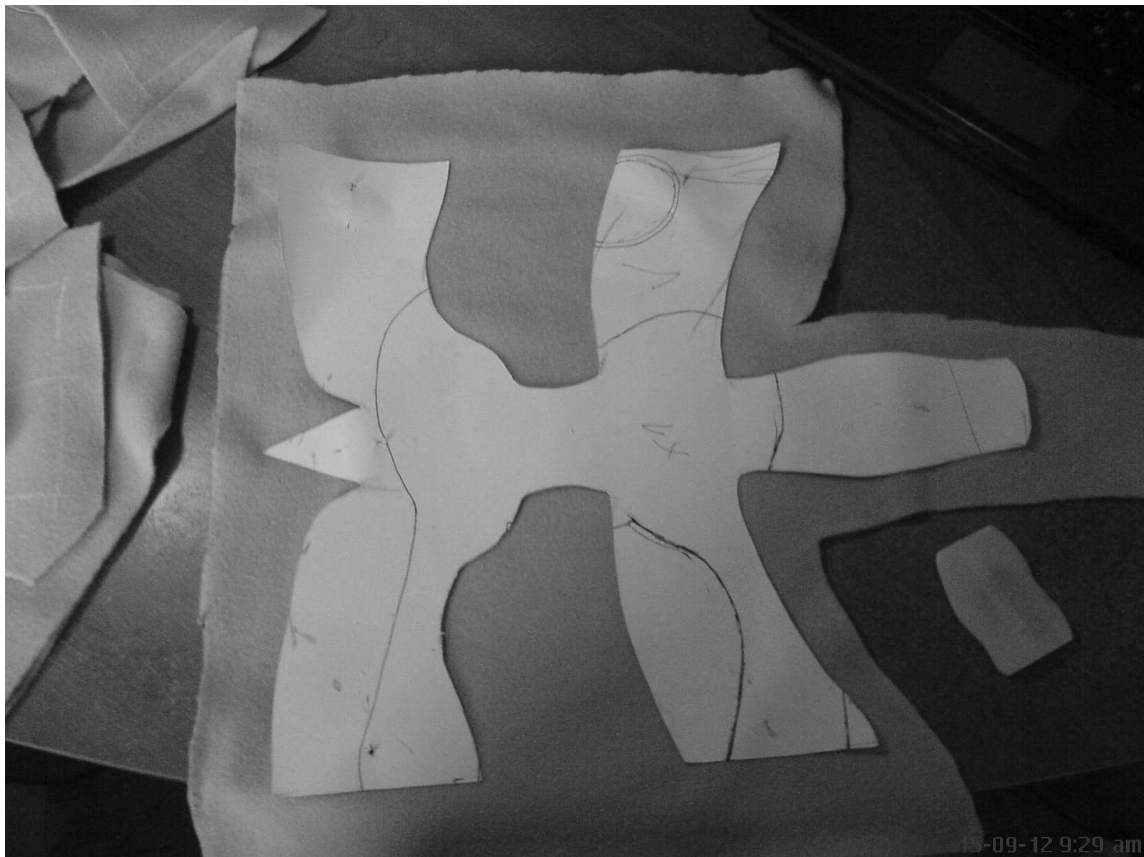
You can mark the sliding part. It might change when you match this part into a head. For now we would put it away.



Mark and cut the nose part too.



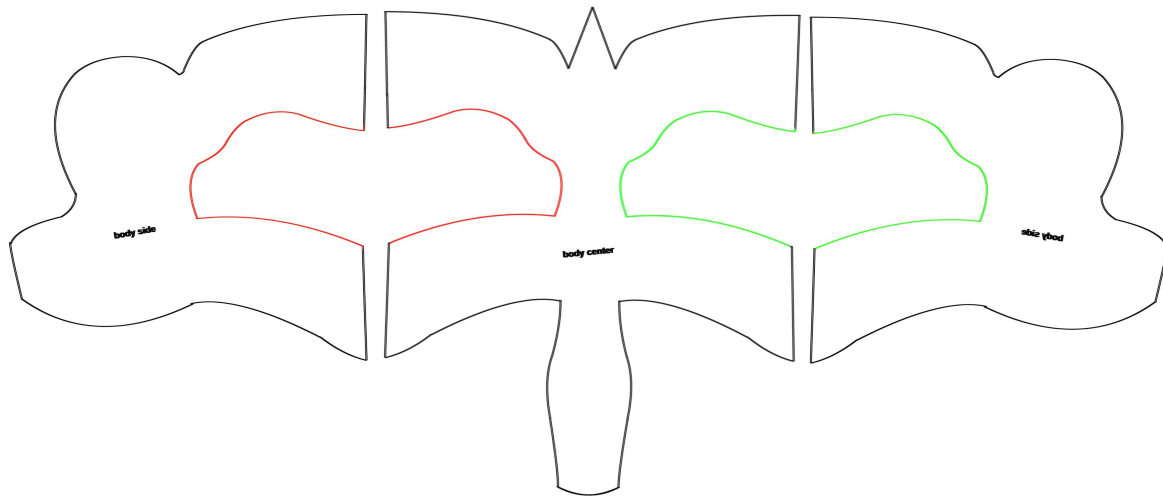
Put the face pattern. If it looks pleasant, mark it. Use red soap to mark critical point of measurement. Make sure that both sides are identical.



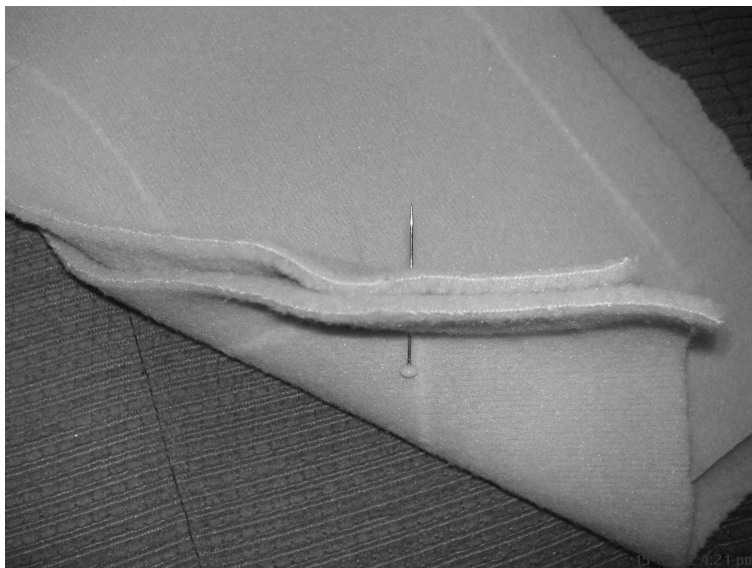
Mark and cut the center body part.

5. Assembly

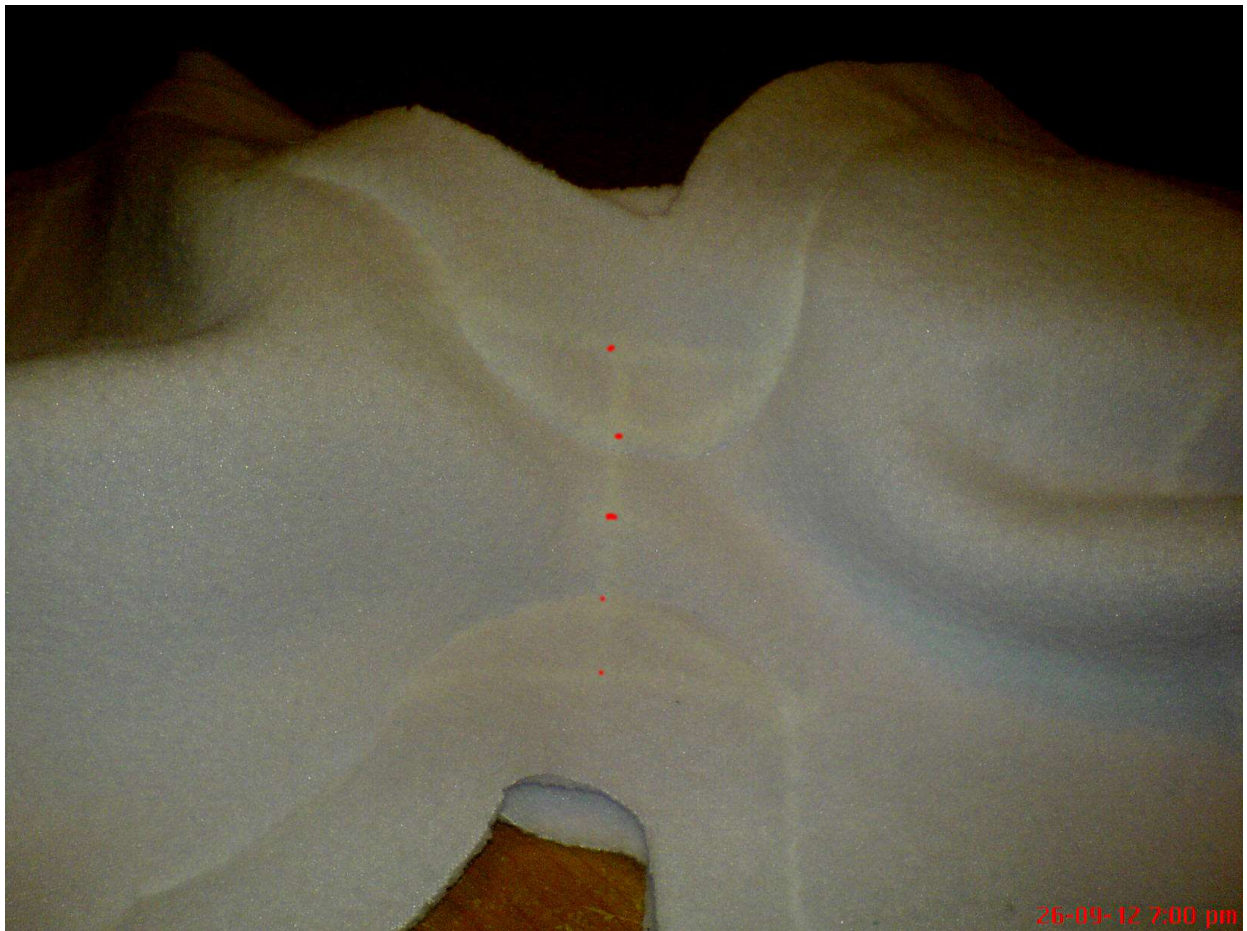
Now, when you have all materials marked, manes and tail ready, it's time to put them together.



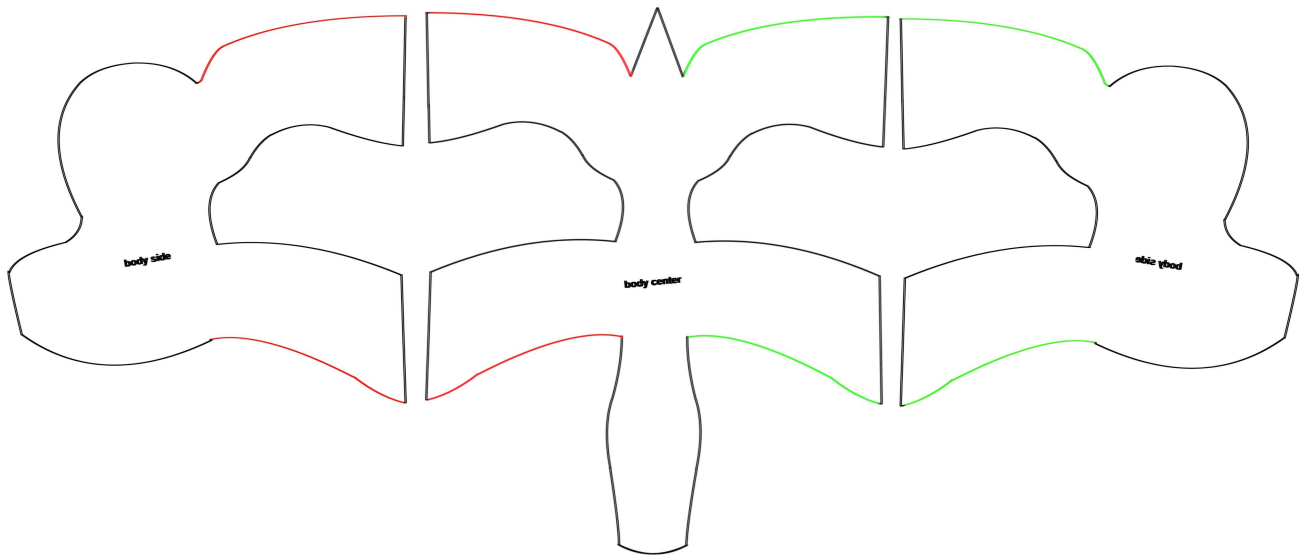
First we are going to match the sides to the bottom part. The red and green line indicates the only area of our interest for now. Remember to start and stop sewing with reverse gear! It increases durability greatly.



Add the initial pin and follow the lines from both sides.

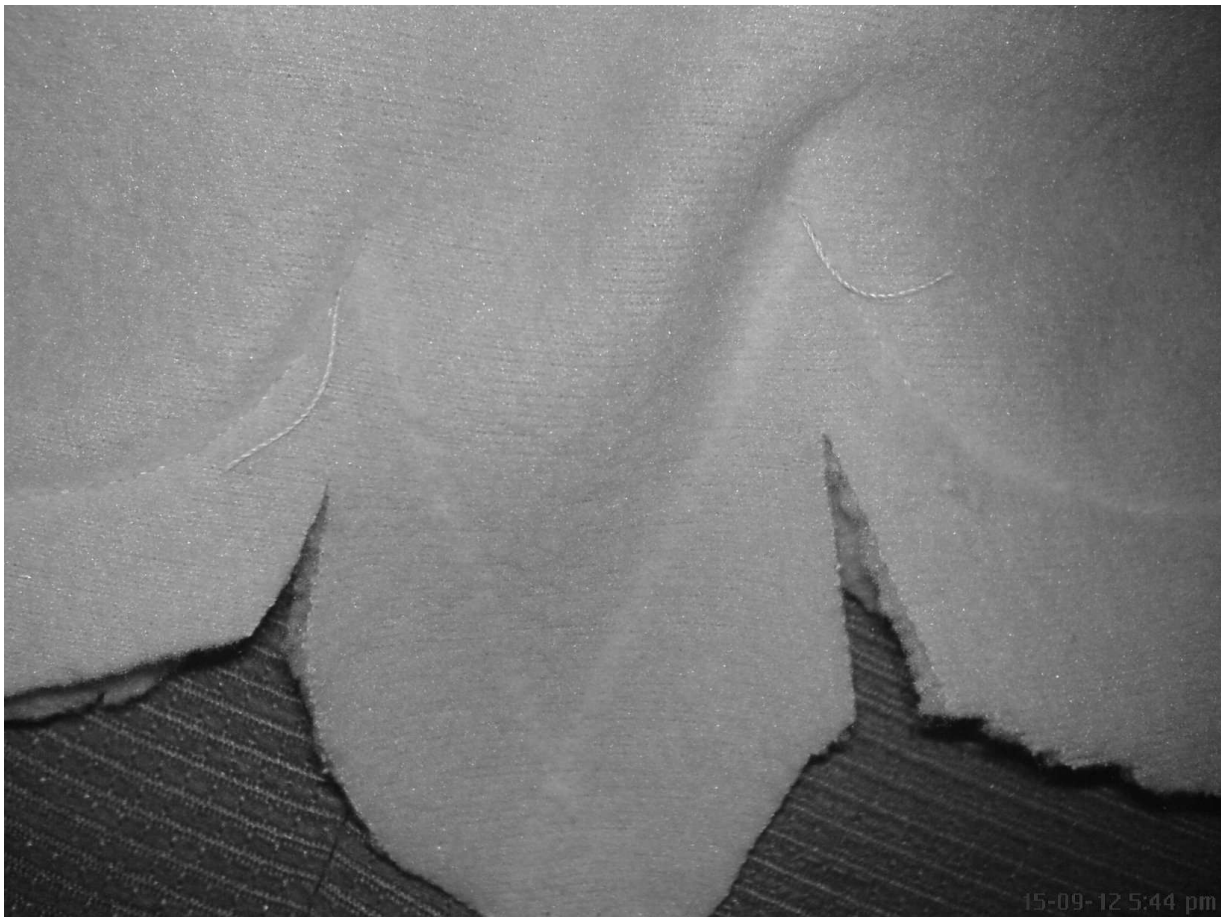


Suddenly I have decided to do the waist area tighter. I have divided the area between in half, and than in half again. Do it too. This is one of places where you can add some innovation.. Here I lifted presser foot with needle still placed in material, and turned arround.



Now we would secure front and back legs.

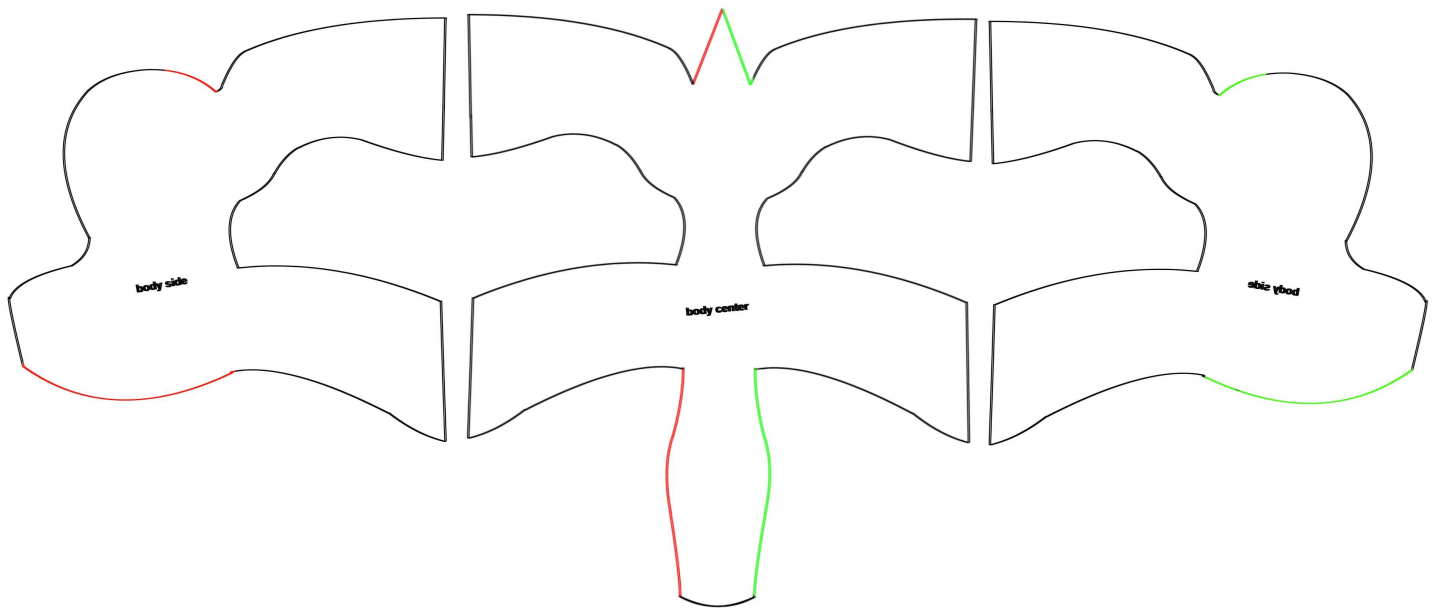




When you reach the triangle part, reverse gear it and stop.



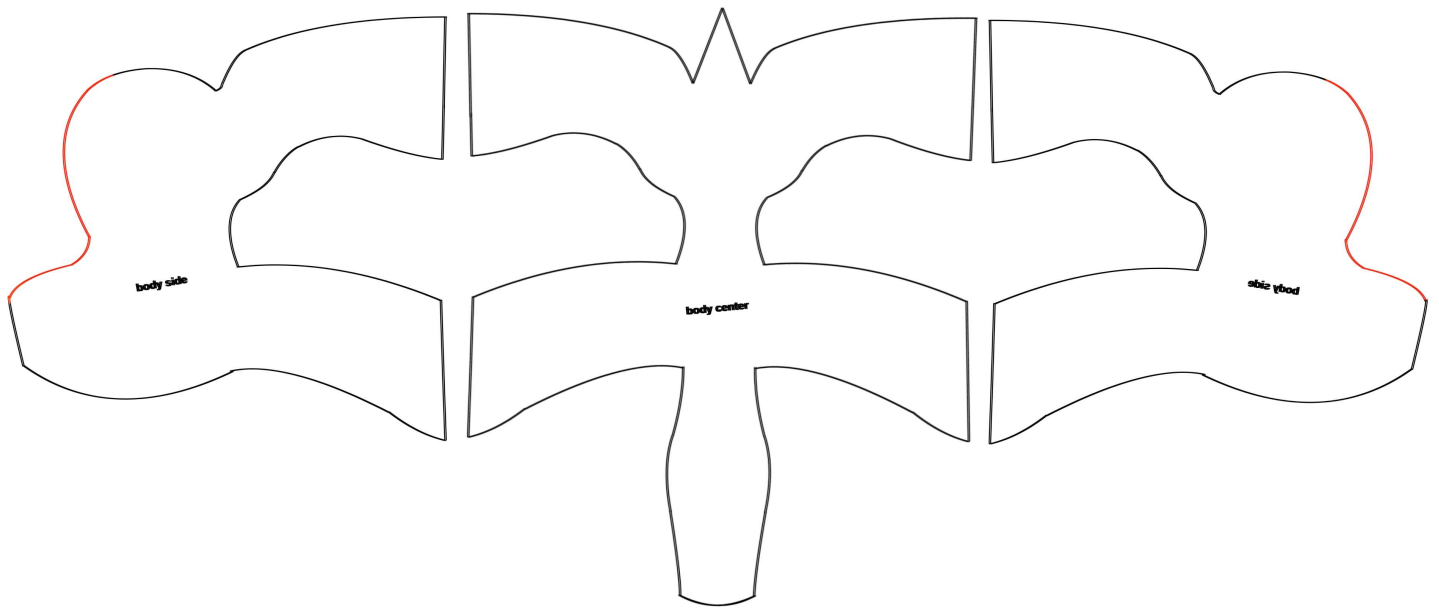
Same goes for the neck part.



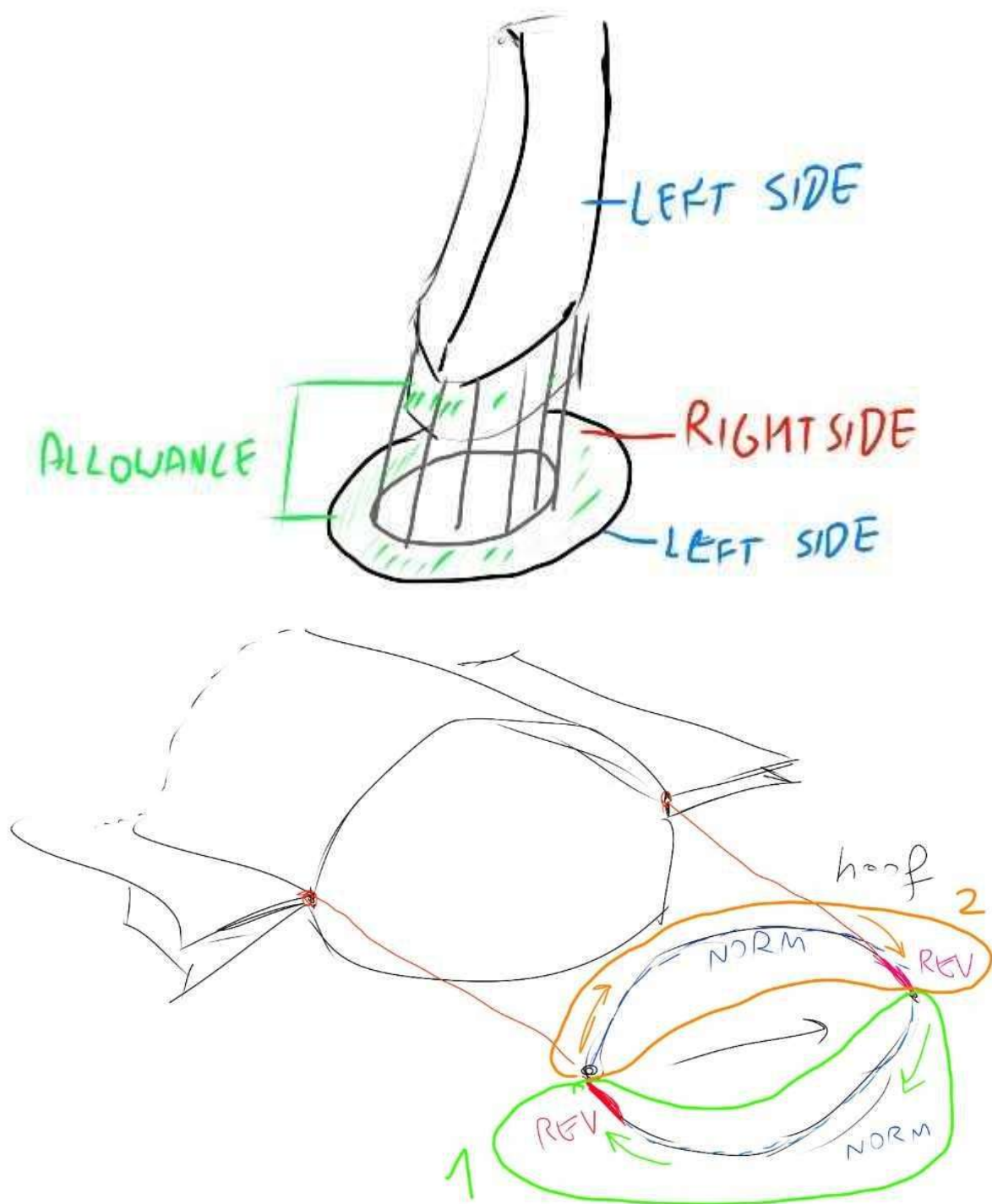
Now sew those parts. The reason why we did new sewing is that the material bends there. If you made mistake, you would need to pull the whole thread out, down to the hoof. This way we separated this difficult task into 2 easy ones.



Just like that.



Sewing the back should be very easy now. Remember about using the pins. Leave about 3,5-4cm hole for the tail.



Add the hooves. Be aware that material is thick there, so you can't reverse into it. Break the operation into two. Add first half of hoof, secure with reverse, then cut thread, and add second half. If you leave holes use ladder stitch over them.



Just before sewing up.



You would end up with this body. Turn it into right side and prepare to add a tail. Don't stuff the tail too hard, stuff until the creases disappear.



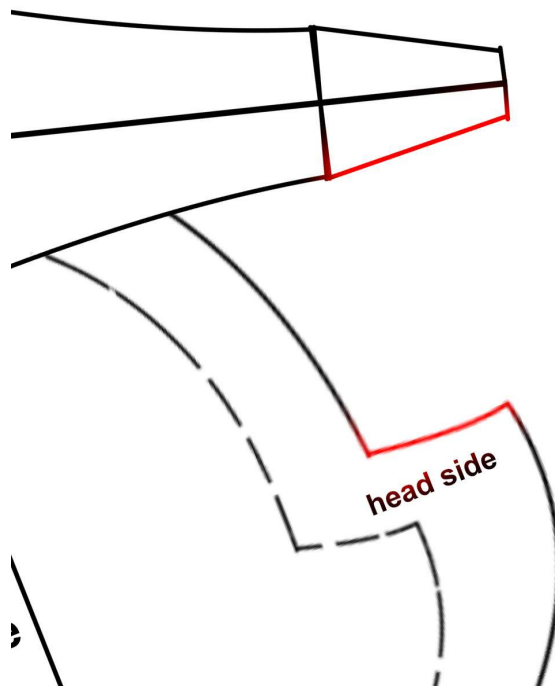
Pull the tail out through the opening of the neck. Make sure that you won't end up with any broken part sticking out of right side once you sew it in.



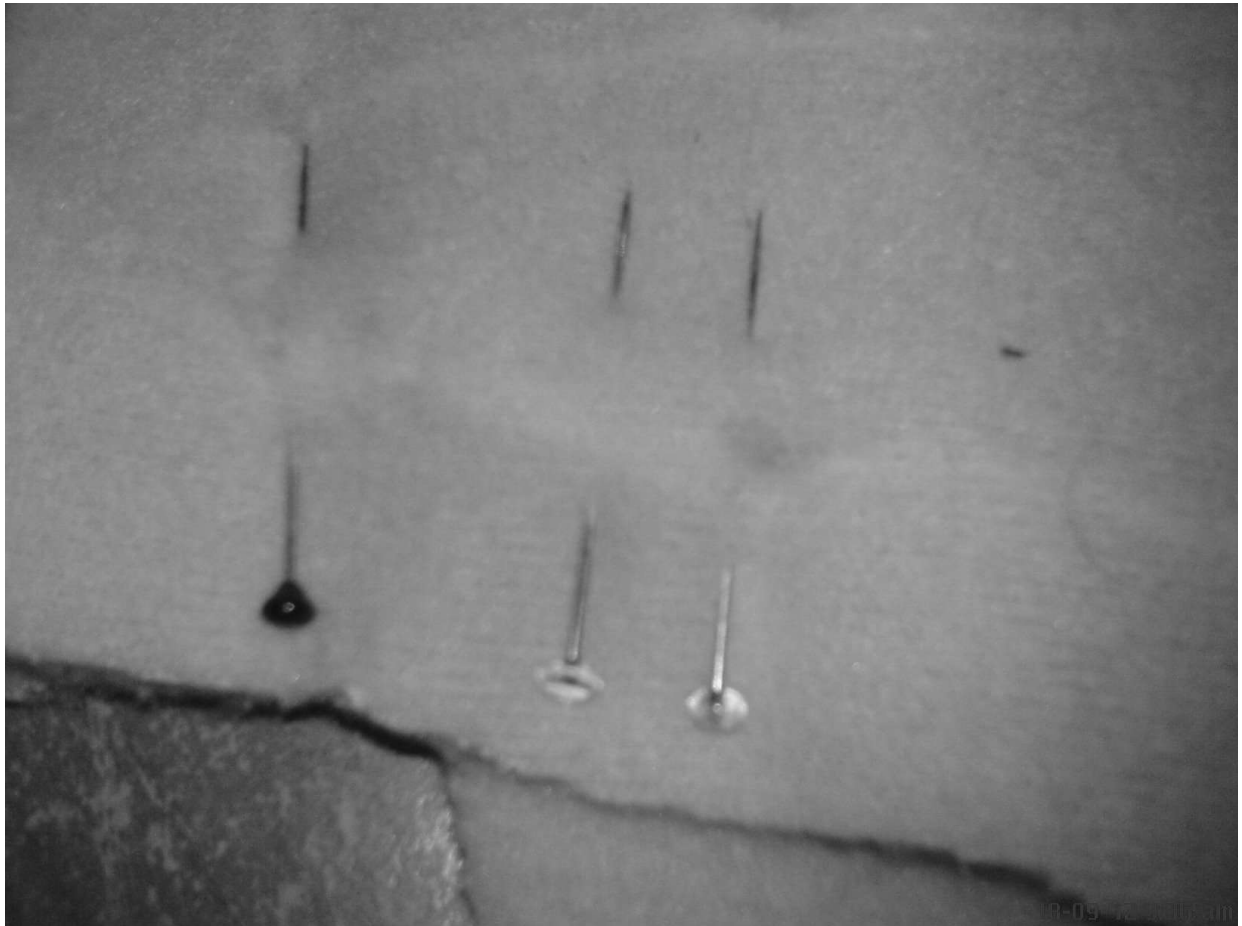
Get the good view and prepare to sew the whole part manually with „back stitch” stitch
It's easy part, but would take a some of time. Remember to secure the start and ending the way you do embroidery stitch.



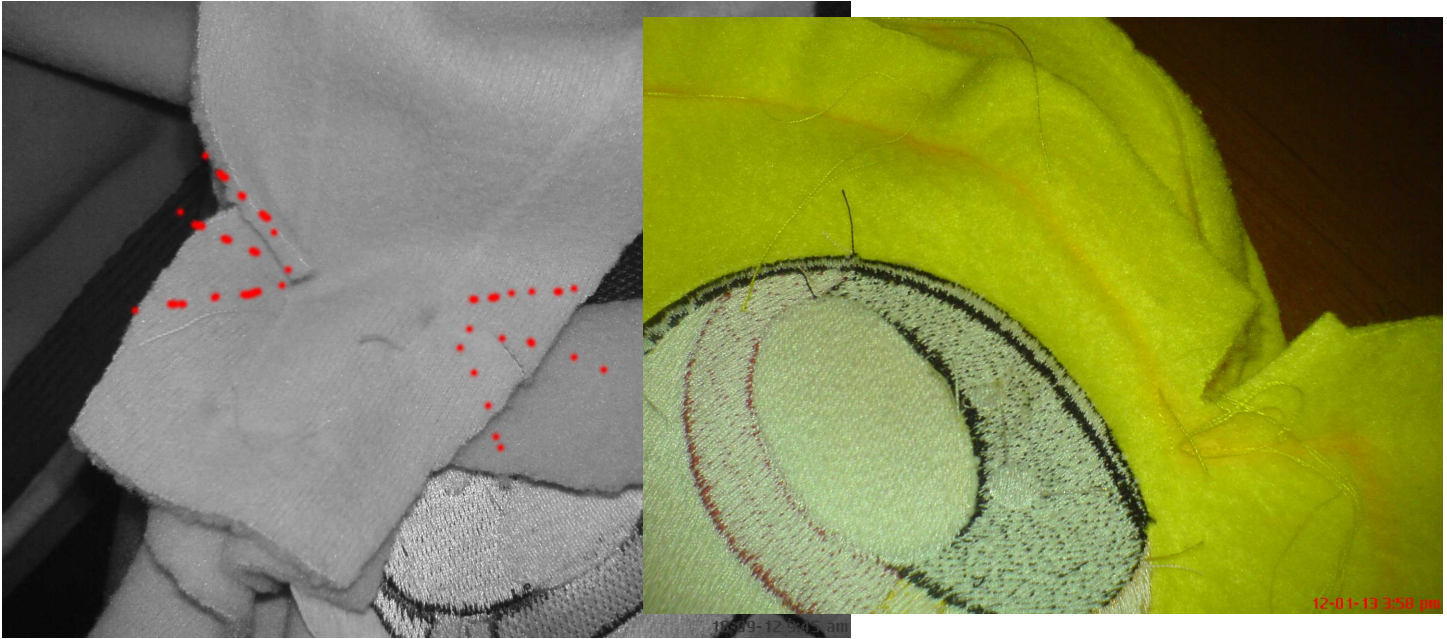
After stuffing. If your plushie can't stand on it's own we would add special wired pads into her legs. It's covered in the wiring part of the tutorial on the page 44.



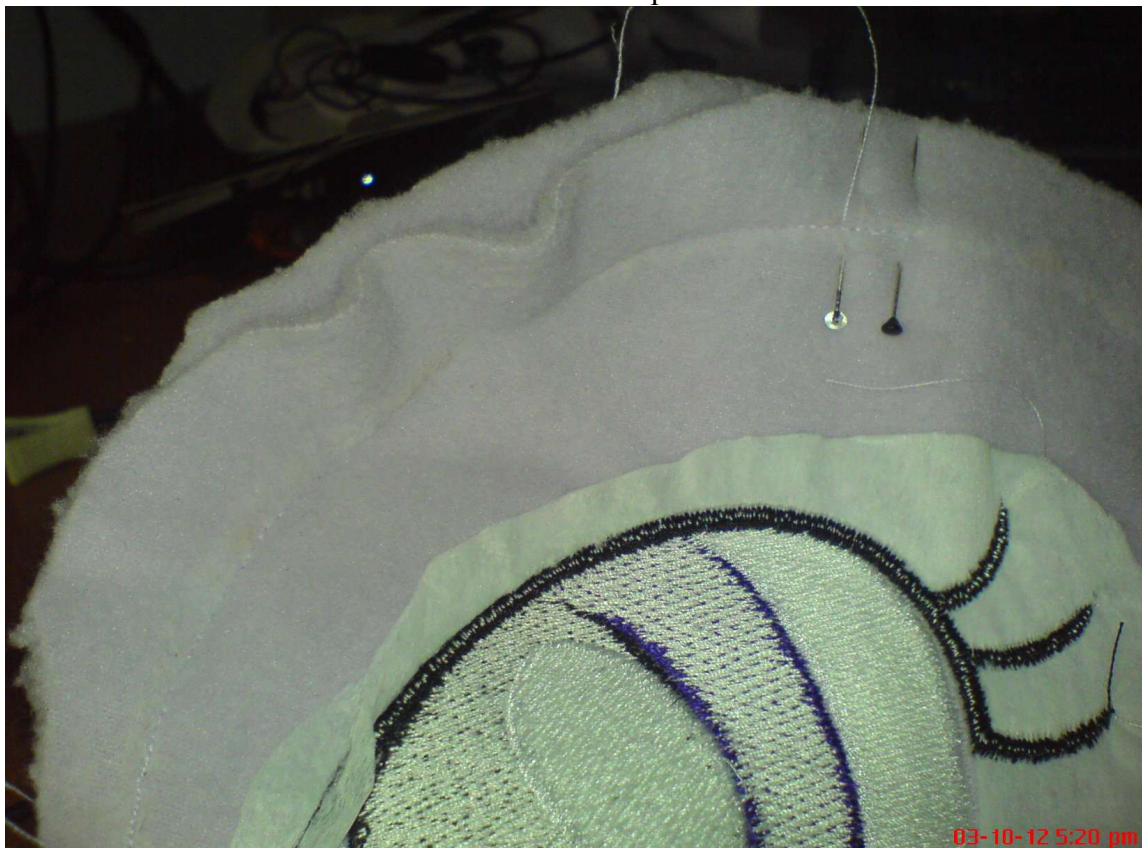
Combine the nose parts together. Be very careful. This is the hardest part of making the plushie.

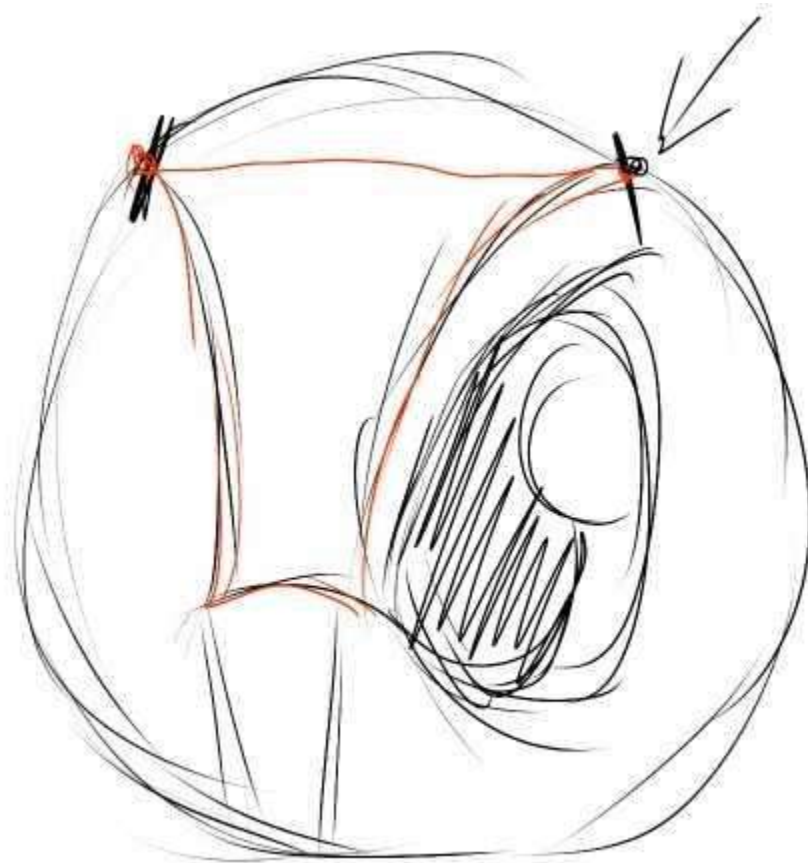


Sew only this short part, as you have done with the body previously.



Now cut the material a bit to help it bend.





Sew up the head to the beginning of eyelashes.



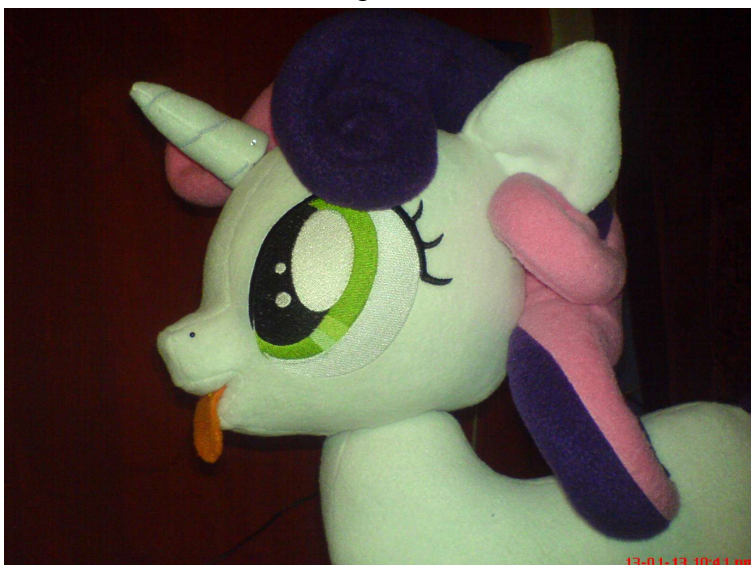
Secure the nose part. Again, be careful to make the lines match perfectly. Sew.



Sew the rectangle nose part with the head part and add new row of pins, holding one side, left or right – it's not a difference.



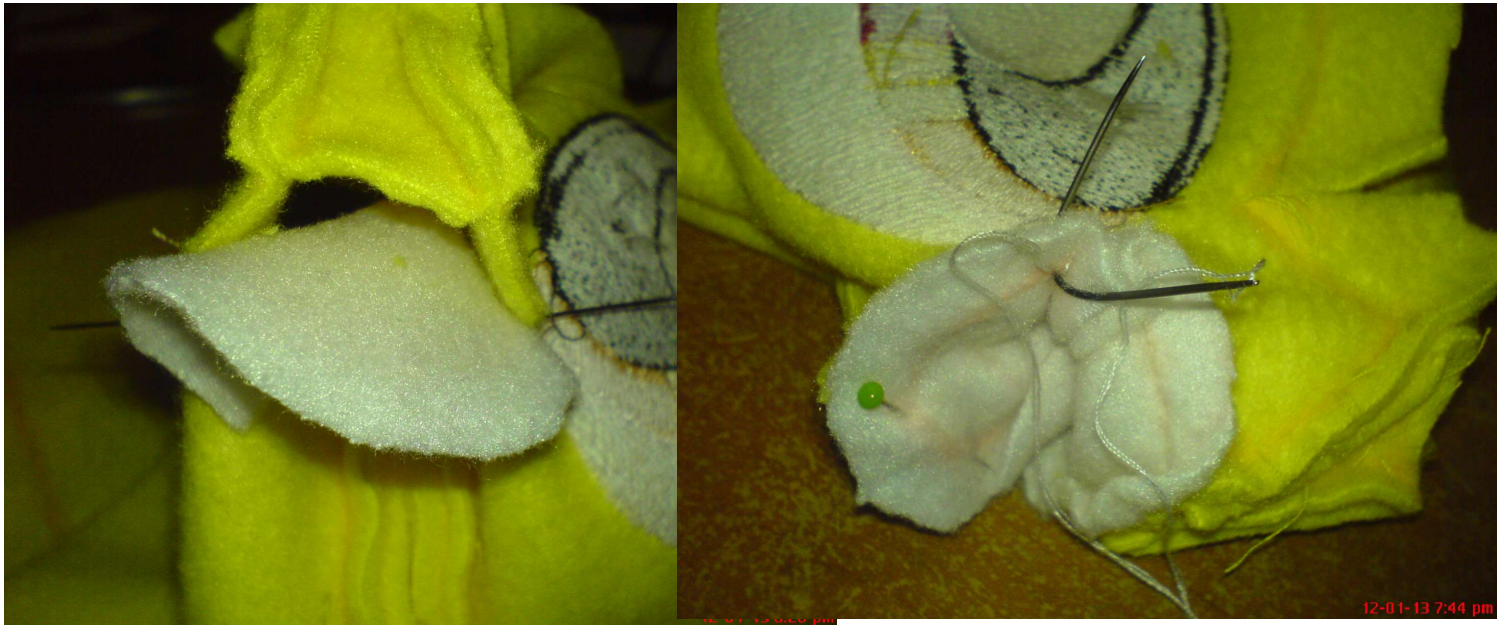
Check if it's correct. Ignore small creases. Focus on eyes height. If you are dissapointed take the unwanted part down and do it again. If everything is ok, sew the pinned side, remove pins and move on. At this moment you can decide if you want the standard, sewn in mouth, or the new generation one. Standard mouth steps are shown at the end of this tutorial.



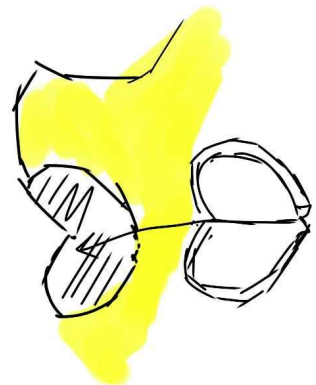
New generation mouth.



Cut the face from both sides perfectly forming the smile. Be very careful to not destroy the embroidery. The cut should be about 2-2,5cm deep.

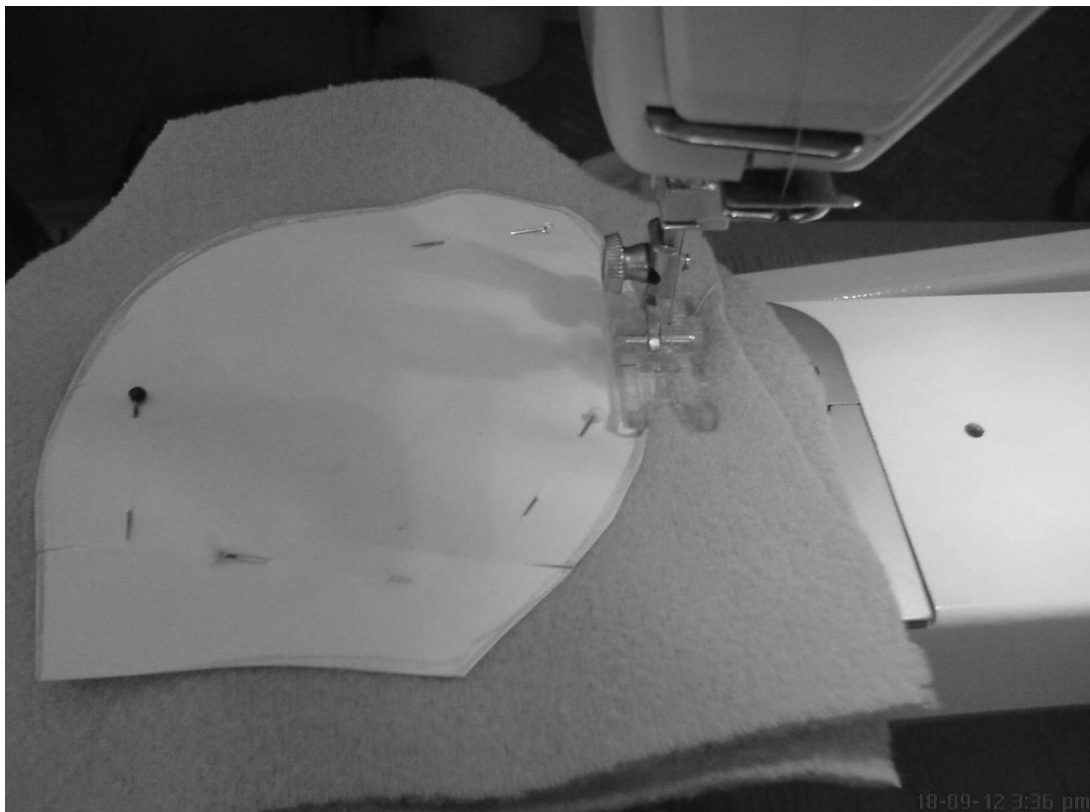


Cut the 2 mouth parts, and sew inside. The spacing on yellow material is about 1mm. Use dense back stitch there.





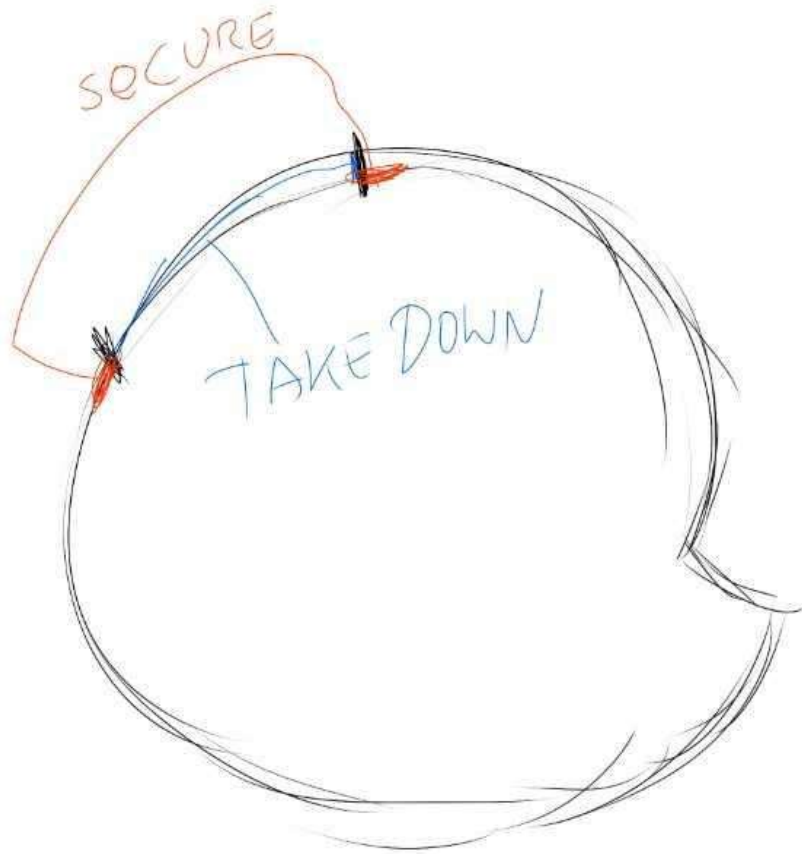
Prestuffing shows us how the final shape would look like.



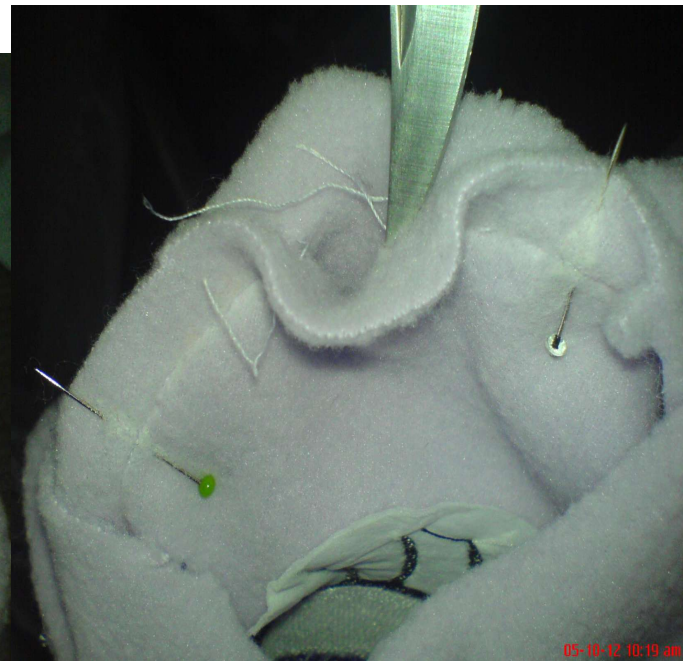
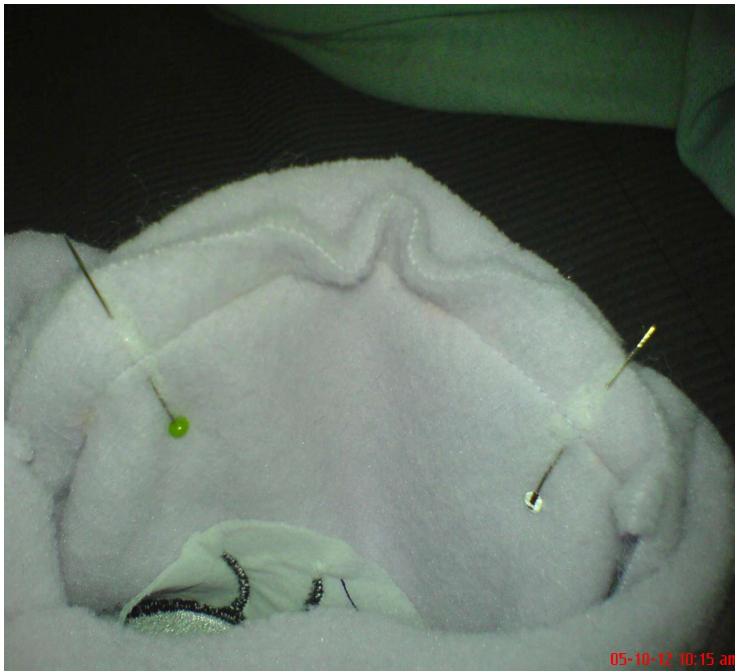
Ears are very easy to do. Pin pattern to 2 pieces of material facing themselves with right sides, machine sew.



Then move them to the right side.



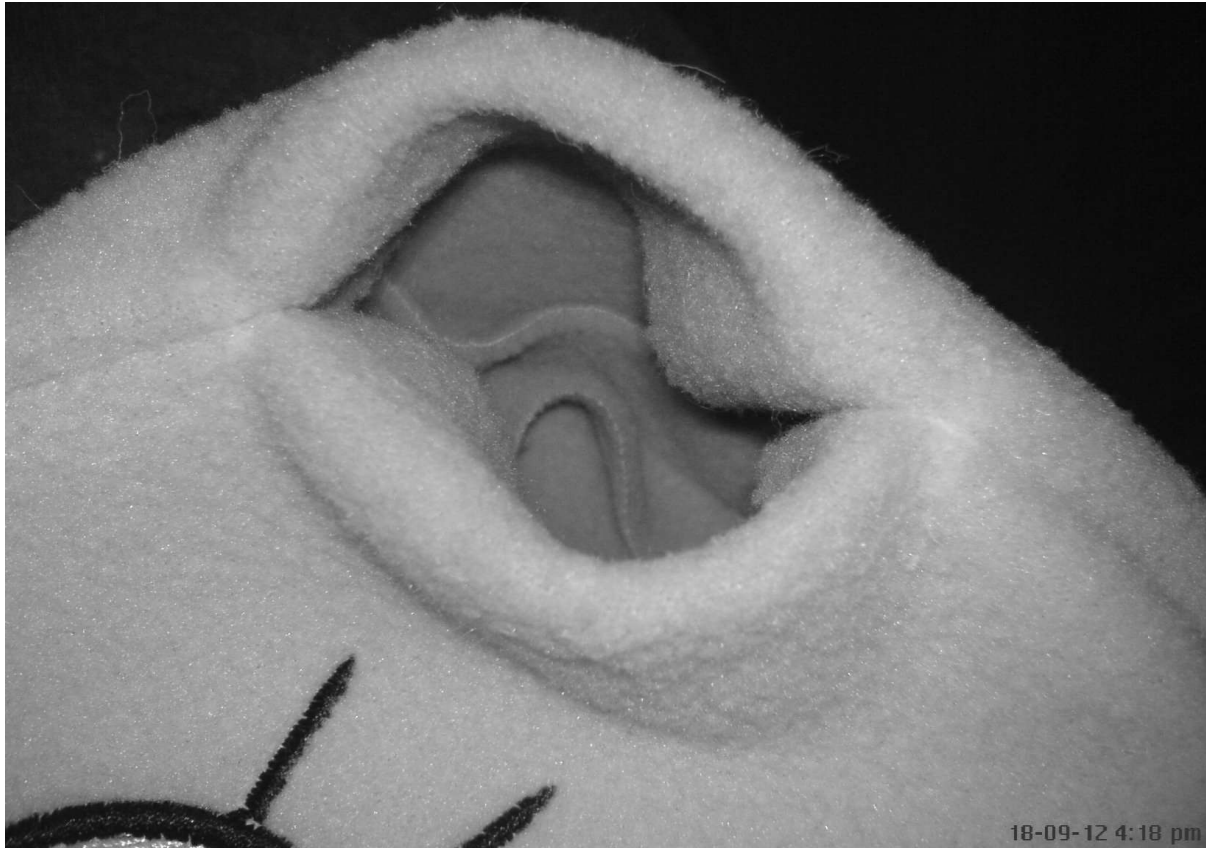
Mark the break point, and turn the pattern inside out.



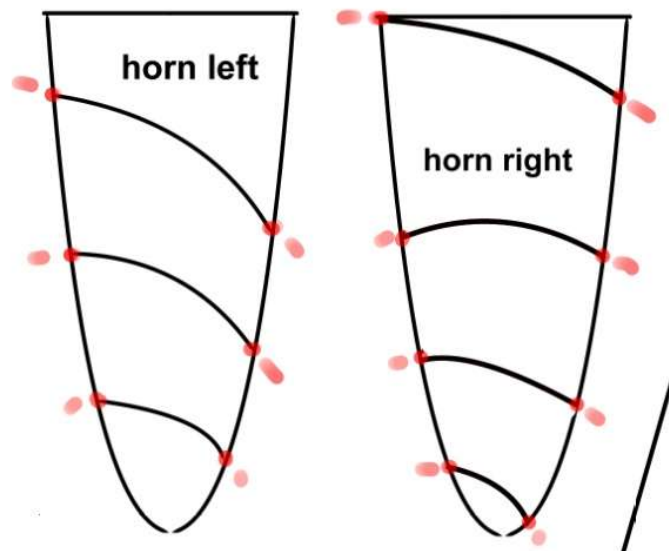
Mark the break point from inside, destroy sewing with sharp knife.



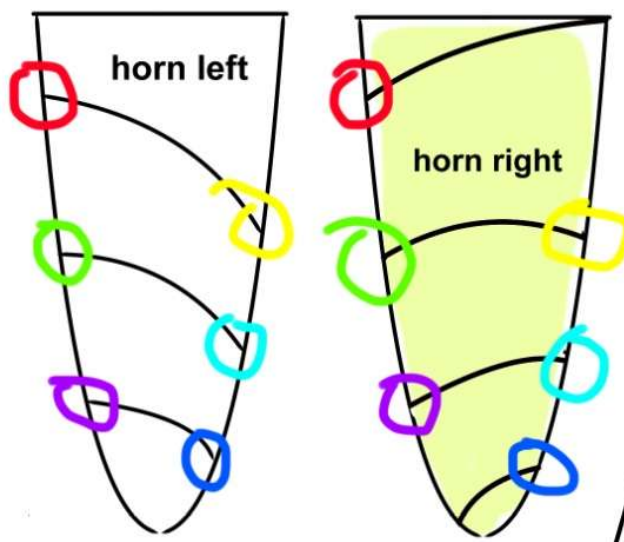
Reinforce the broken part, and remove pins. Do the same for the opposing side of the head.



Once the holes are reinforced and secured, put the ears in on the right side, pin them down. Move inside out with ears attached, remove pins. Now you have them perfectly suited. Carefully sew them with machine or manual back stitch.



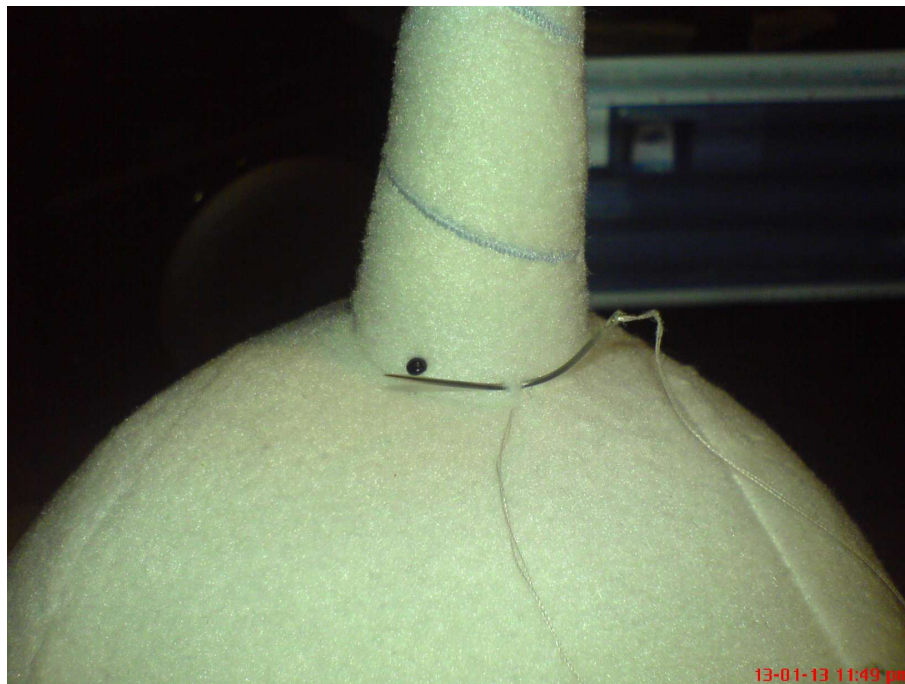
Mark your material on left side using the patterns. Set machine for satin stitch. It's up to you how wide you would like to make it. Try your stitch first on scrap material.



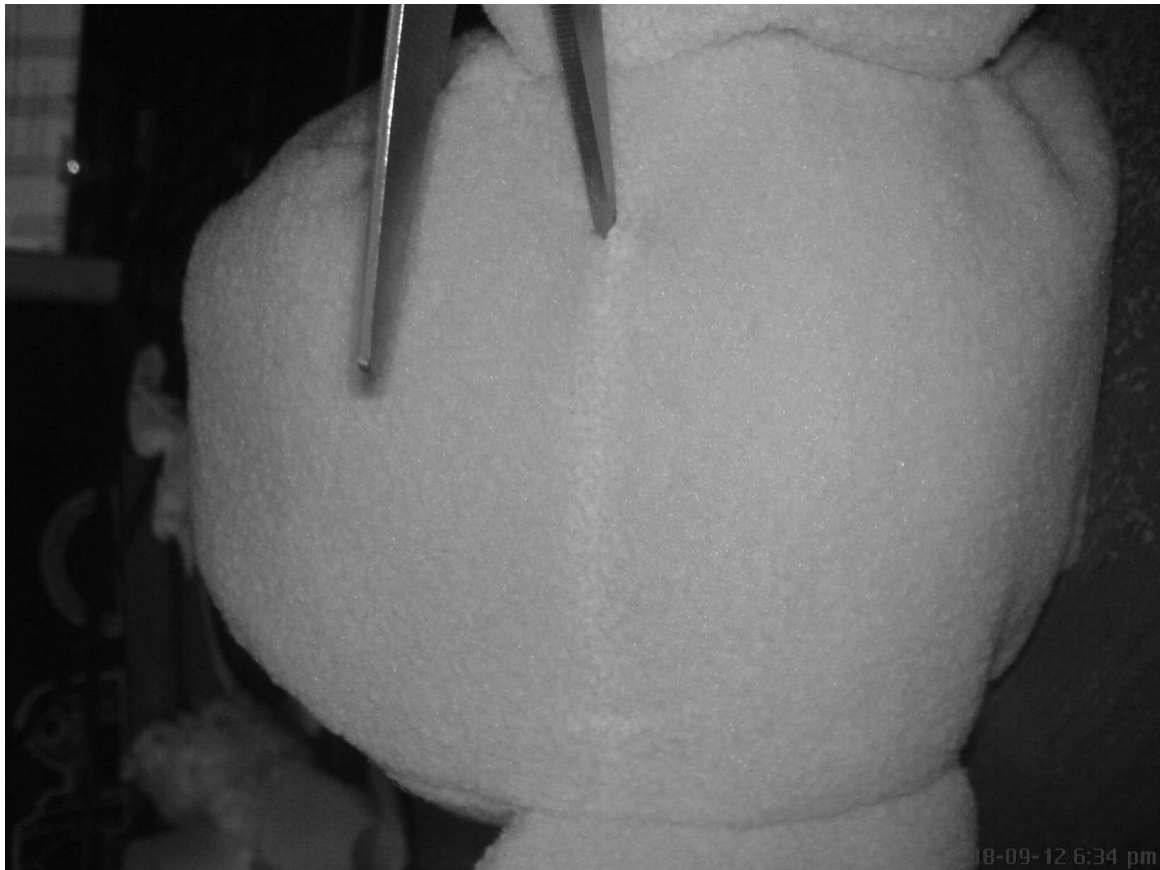
Rotate horns so that they touch themselves with right sides. Match the beginning and ending stitch with pins even if material curls up. Sew.



You would end up with something like that, or better. Later I redone my horn because I was dissapointed.

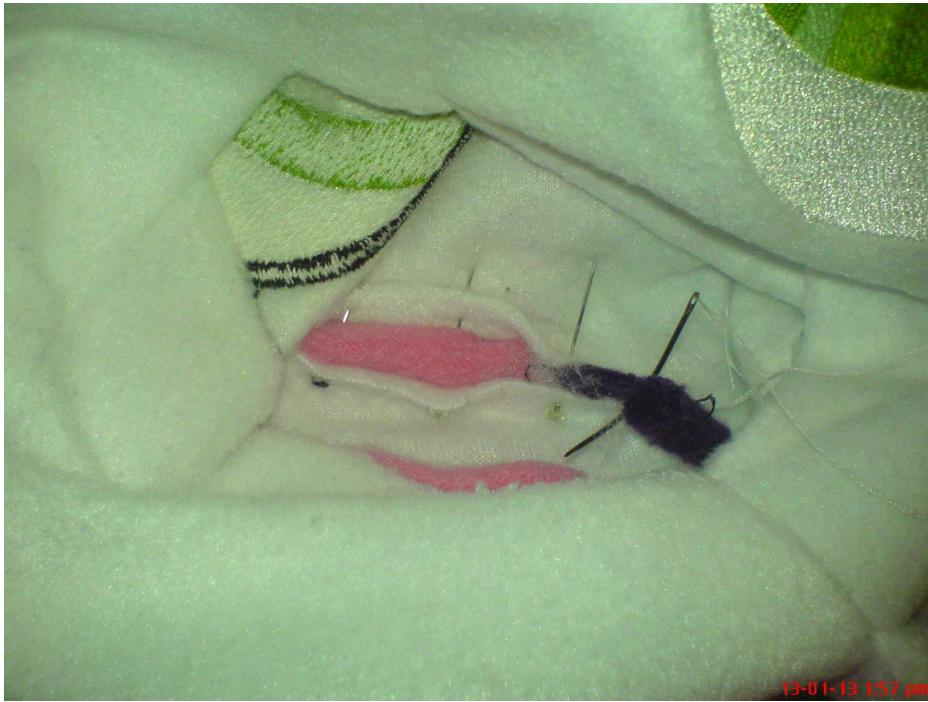


Now move inside out so the horn is on right side, stuff it hard and tuck the material inside. The more you tuck, the shorter horn you will get. You would sew it into head now using the ladder stitch.



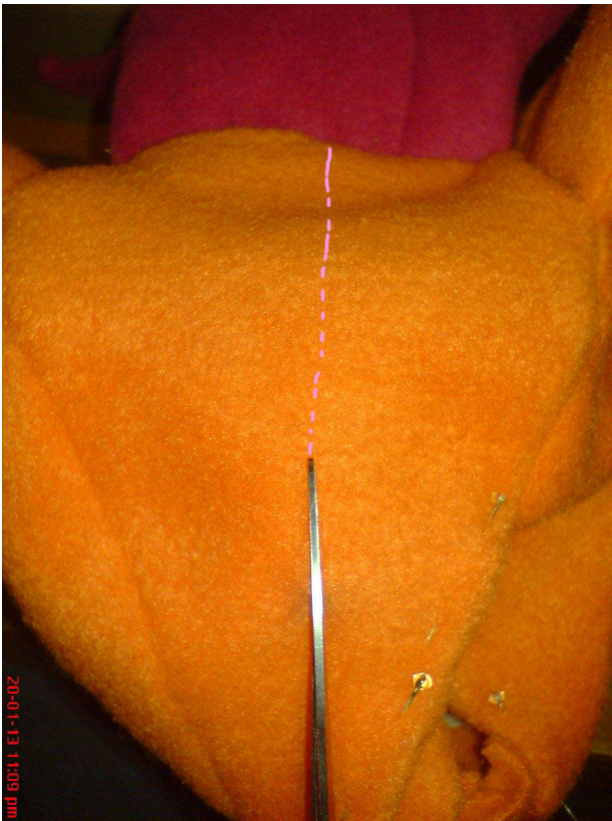
Measure distance between the ears, and cut it leaving about 1 cm of space between ears. You would insert front and back mane there. (**Sweetie Belle/Applebloom**). Scootaloo needs another cut done.





Sweetie Belle mane curled inside the head hole.

Scootaloo second mane:

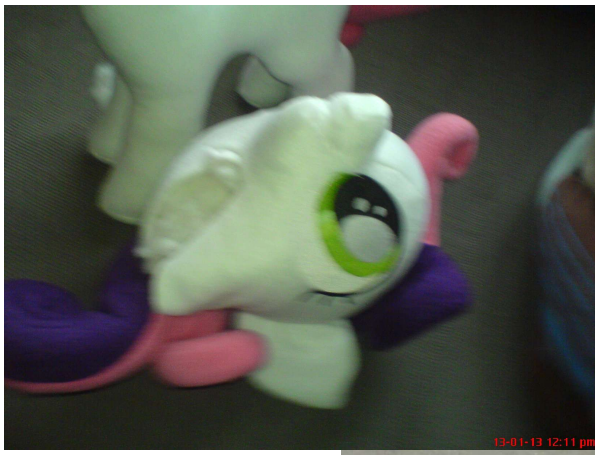


Before you cut the material, sew the first mane in. It would be easier to measure the amount of material needed to be cut.

Optional leg parts if plushie does not stand.



Leg parts are about " size of the leg. Measure your body before crafting those holders. Stuff them, add wire and sew it in. Then just put into back and front legs.



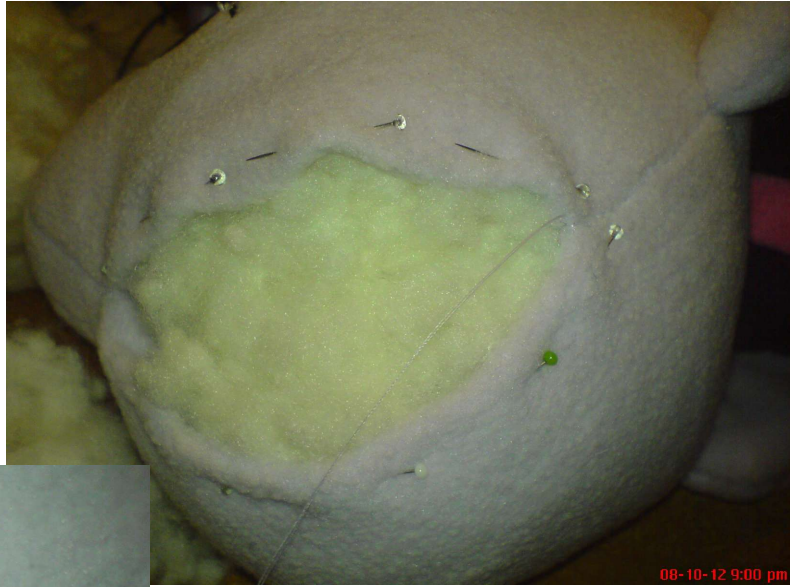
Back to the lower head part.



Ladder stitch the part you couldn't sew with machine.



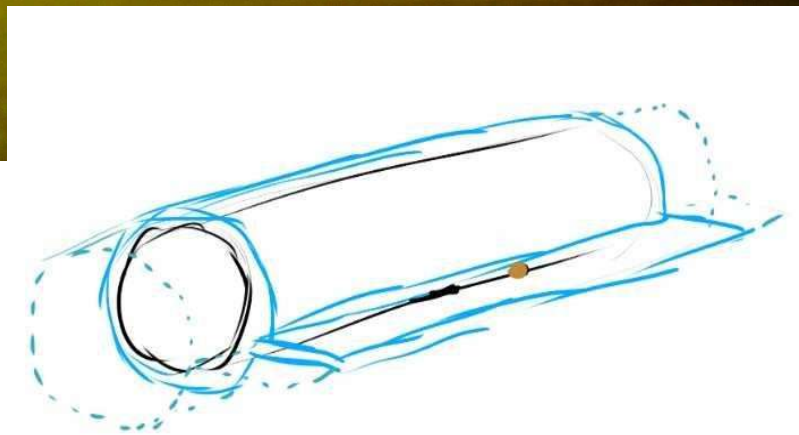
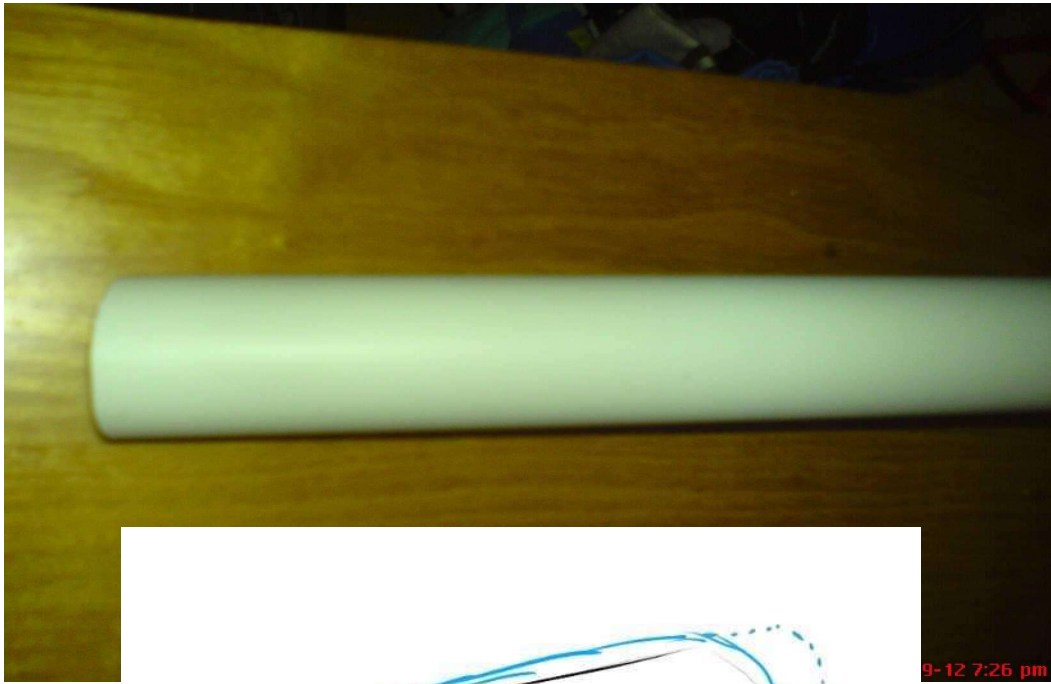
The bend line helps you find where the soap lines were. Add more stuffing. It must push your stitches with average strenght.



Closing the hole.



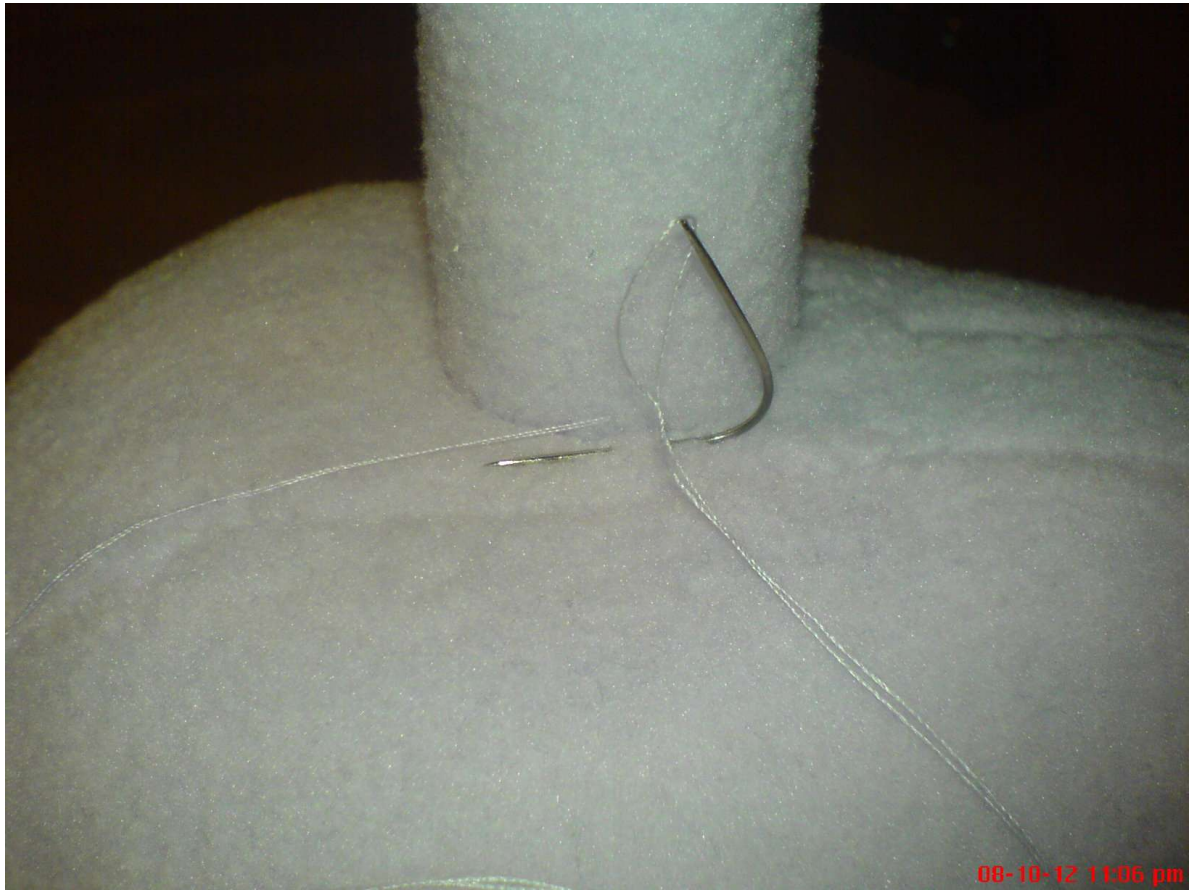
You need to check how the head looks put on the neck. Then decide where you want your rotary stick to be. Make hole with something sharp and widen it with scissors. It is also a good moment to add more polyester fiberfill.



9-12 7:26 pm

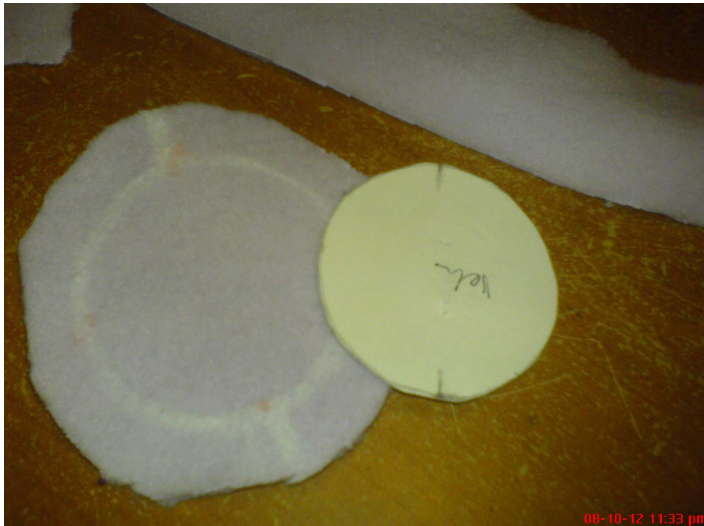


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Cut about 16cm the pipe and build the material cover for it. It should look like this. You won't even feel it once assembled. Ladded stitch it into the head. At least 9 cm should be sticking out once you are done.

Optional neck part.



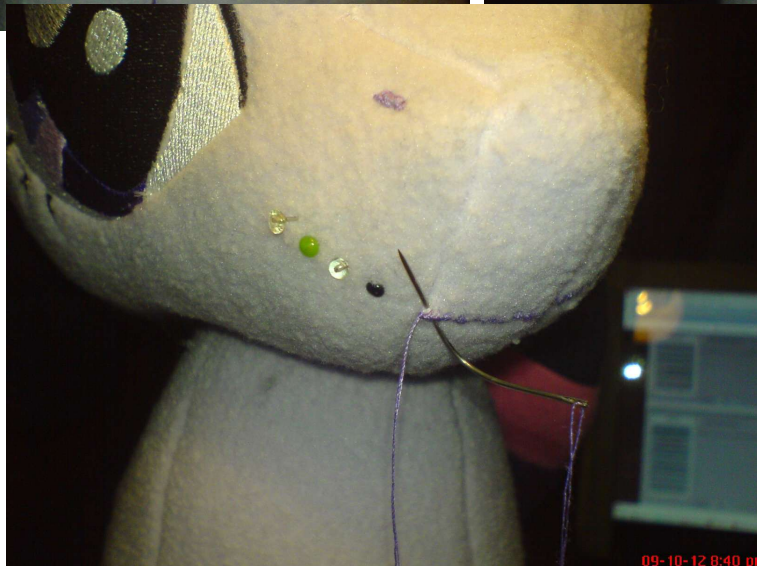
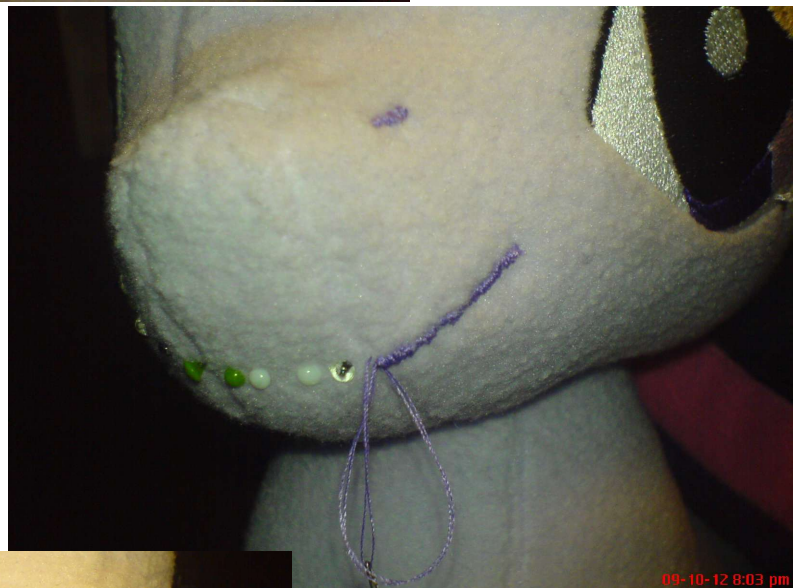
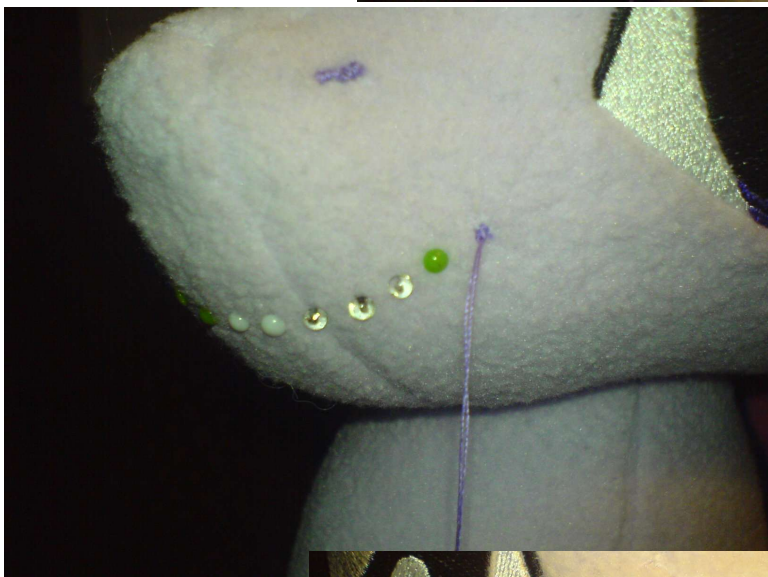
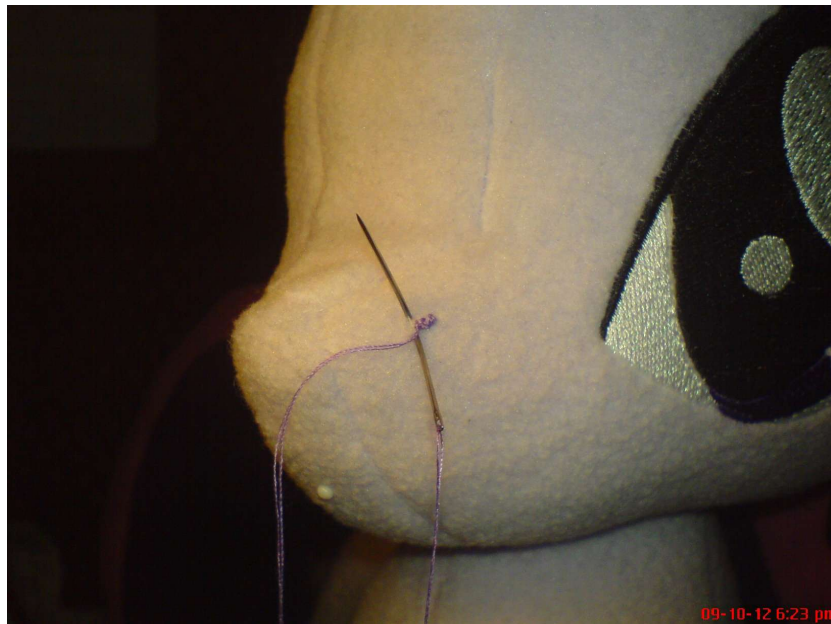
Mark it, cut out, match with pins and attach with ladder stitch.



Make the hole in the center, and open up untill the pipe part fits. When it fits, add embroidery stitch all over it to prevent further damage.



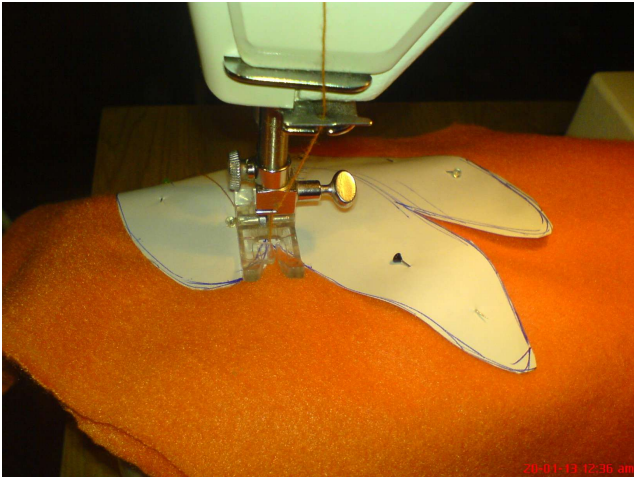
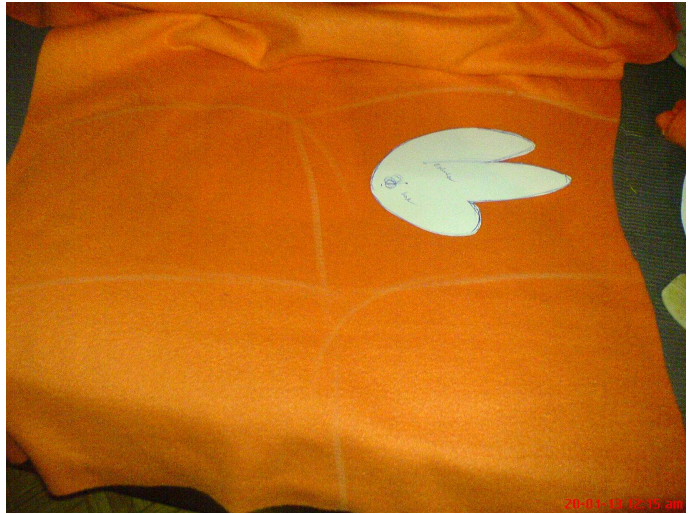
After a lot of twisting head part is stuck deep into neck. Try to twist in only one direction, pushing not so hard down.



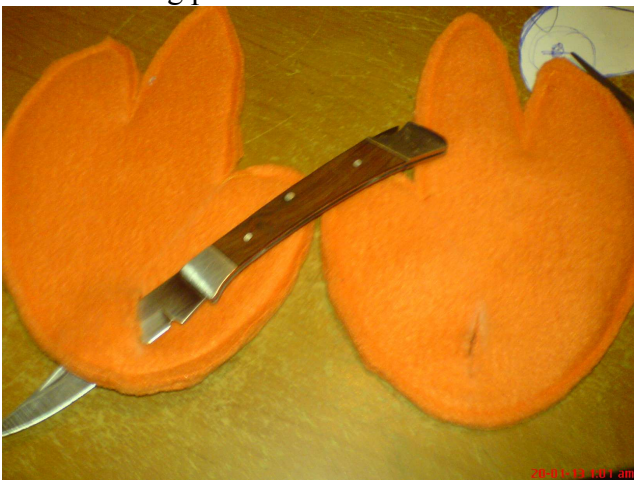
Using embroidery stitch sew in the nose and optionally the mouth. Pins help you guide next stitches. End the way you finish the ladder stitch.

Scootaloo wings, Applebloom bow, tongues and legwarmers.

Scootaloo wings



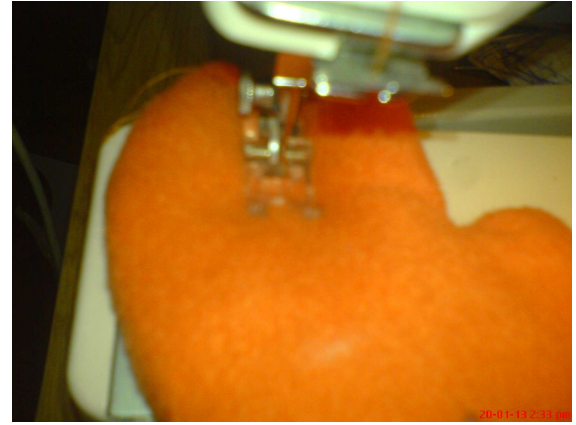
Sew the wing parts.



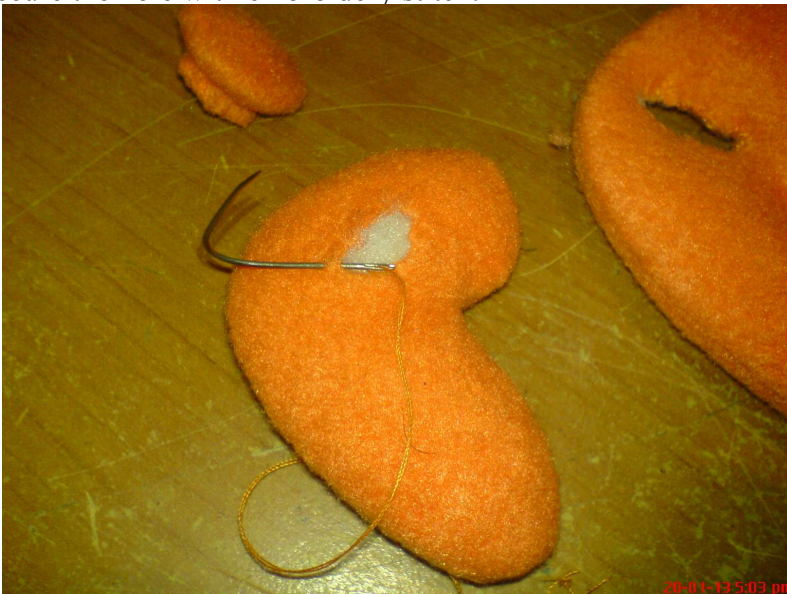
Poke a 2cm holes through the bigger wings, turn inside out and stuff lightly.



Add machine embroidery in place shown on pattern.

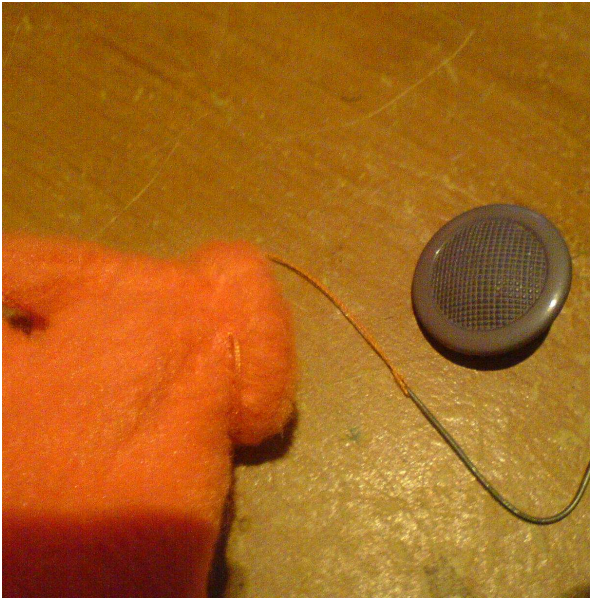


Secure the hole with embroidery stitch.

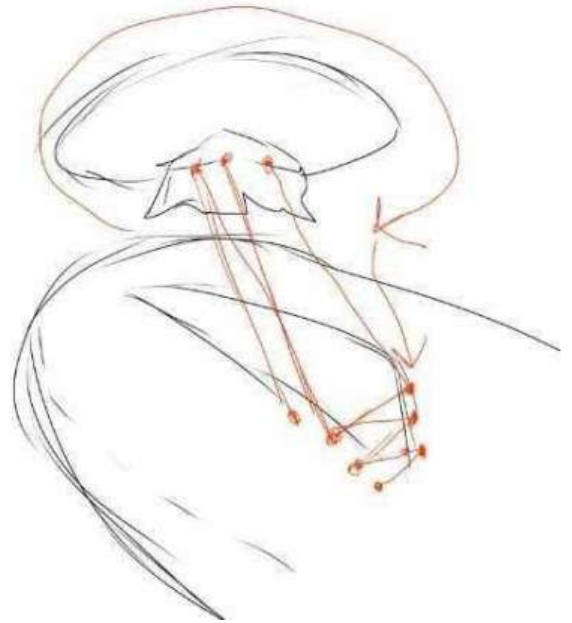


Poke a hole in smaller part, turn inside out, stuff and prepare the button.

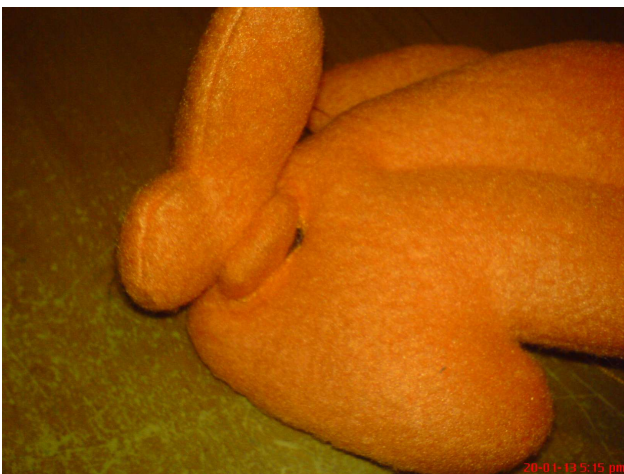
The button part.



Button secured with material and it's base cut.



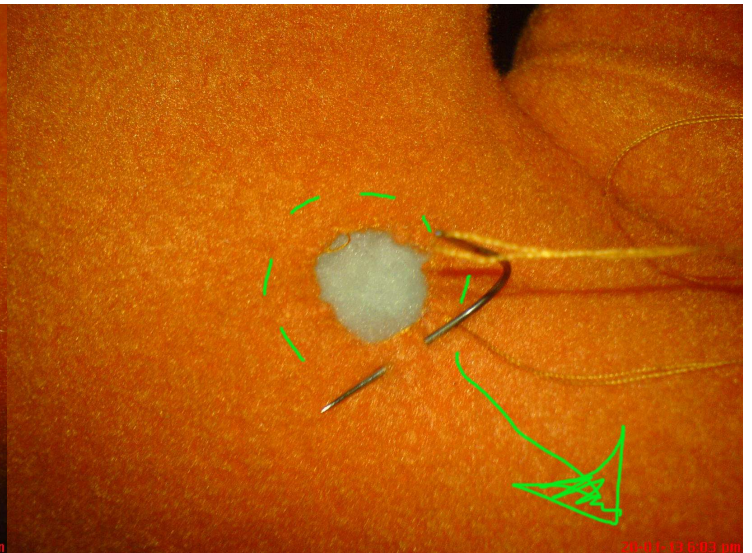
Ladder stitch the button into the smaller wing part, covering the hole you made earlier.



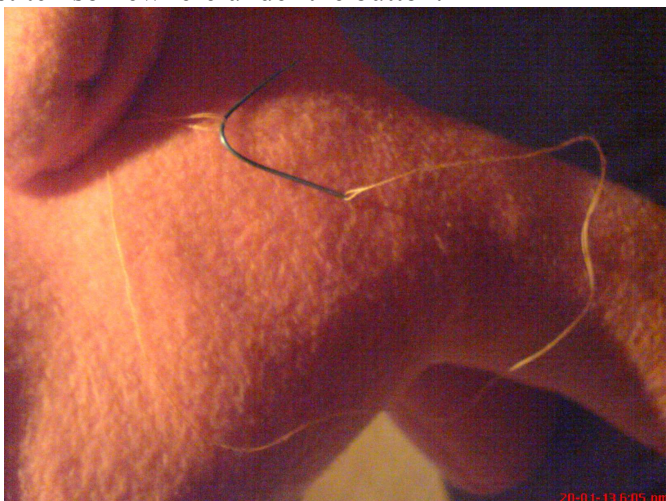
Combine both parts into one wing.



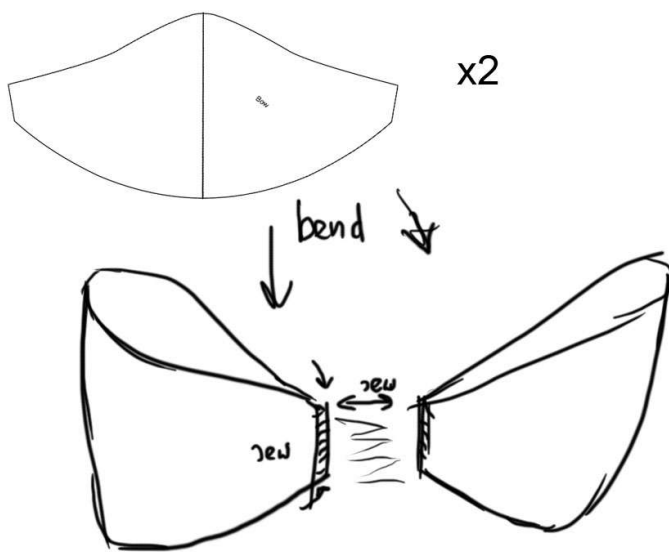
Poke the holes in the Scootaloo's back.



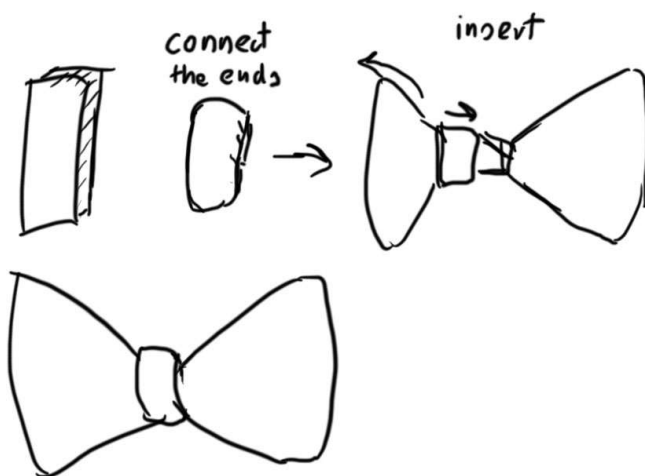
Secure them with embroidery stitch. Add the all around stitch and be ready to pull it once you insert the wing into the socket. Once the button is inside, pull the thread and tie it with embroidery stitch somewhere under the button.



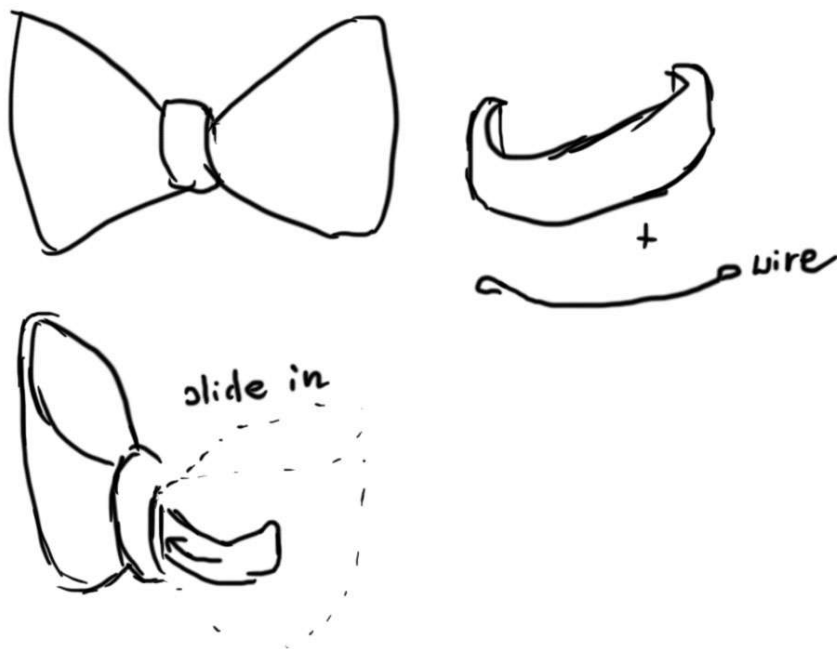
Applebloom bow



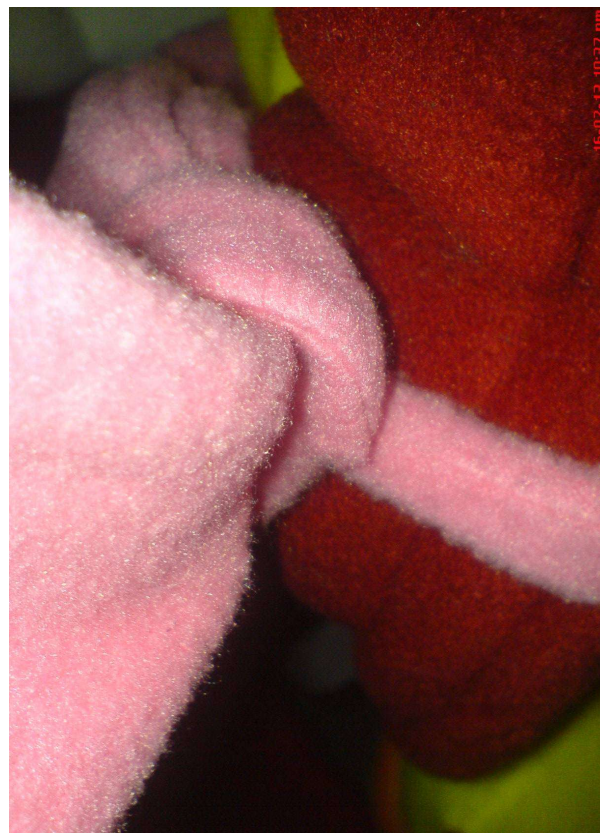
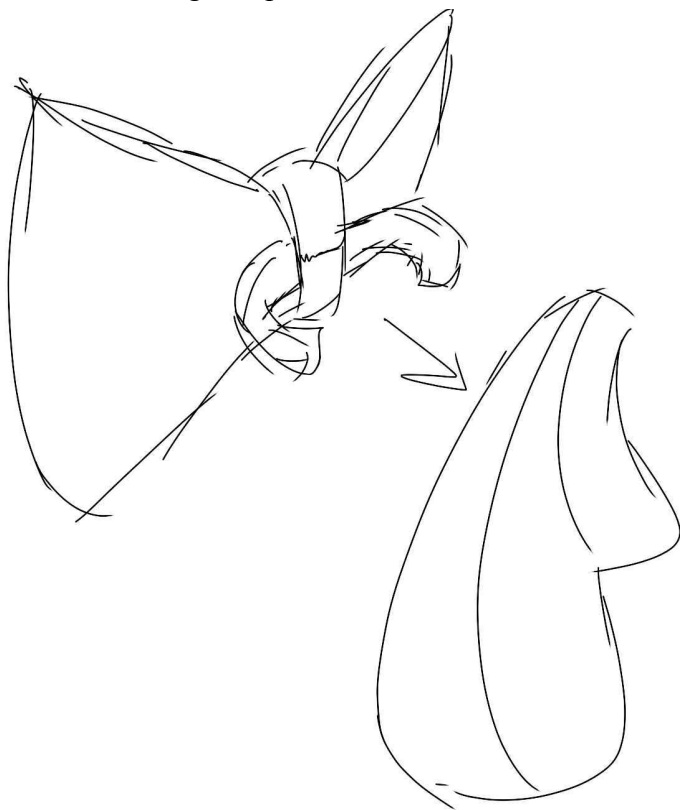
Pin the pattern like you done with the manes earlier and sew 2 sides of bow. Sew the both ends together, and add to the second part.



Pin the legwarmer/bow part to the material and machine sew to construct the bow part 2. Turn inside out. Secure the parts ends at desirable height with back stitch. Place at the middle of the bow.

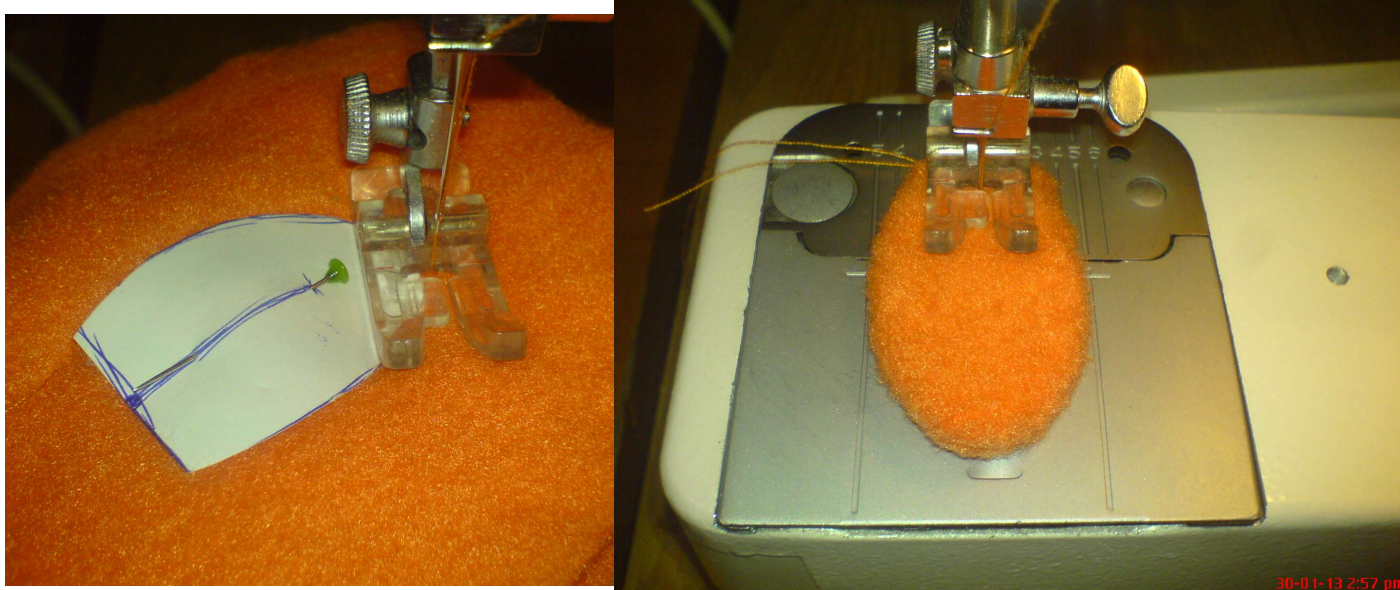


Construct bow part 3 that is similar to bow part 2, but a little longer so it can clasp around the Applebloom mane. Once the size is properly chosen, hide the secured wire inside and sew the ends. Drawing and picture below shows the attachment.



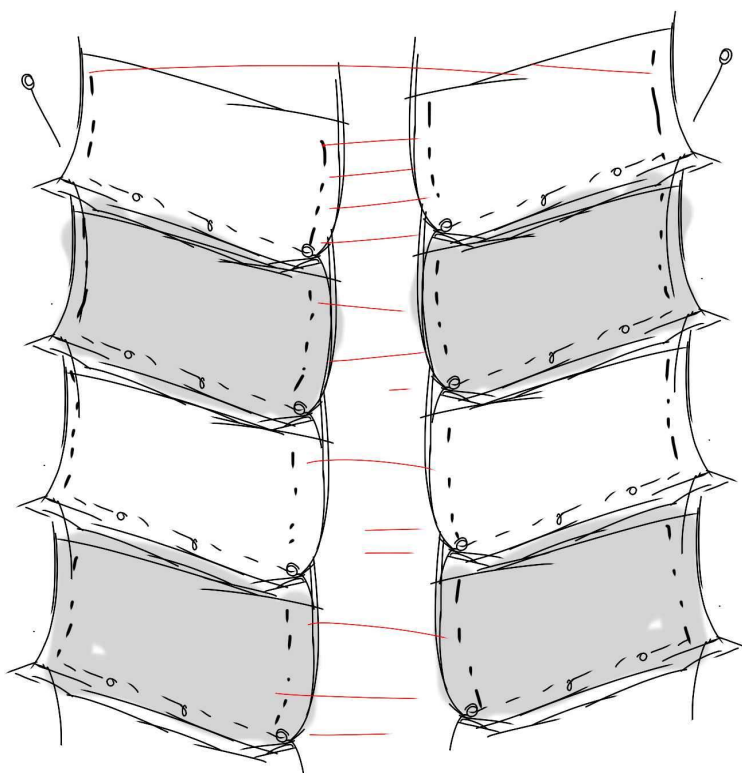
Tongues

Those are the easiest part.



Sew, turn inside out, sew through the center. Then close the back of the tongue with embroidery stitch.

Legwarmers



One legwarmer is made out of 10-12 strips of material, 5-6 per one side. They are sewn together similar way as the Sweetie Belle mane and tail. This is very easy task, but consumes a lot of time.



Finished CMC! Congratulations! If you have any questions, please ask on my deviantart:

<http://oblitor.deviantart.com>

or just mail me at:

oblitor@hotmail.com

Thank you for your support.