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## Quick Stats

Tutorials: 20  
Views: 4917  
Categories: 8  
Comments: 0

## Tutorials -> Helmets & Armor -> Forearm Armor


No image available

**Name:** Forearm Armor  
**Submitted:** Jul 20, 2005  
**Submitter:** TC-7100  
**Category:** Helmets & Armor  
**Views:** 366  
**Rating:** 0  
**Rate now :**   
**Description:** How to assemble your forearm armor.

### Forearm Armor -> Tutorial Requirements

- IPS Weld-On #2354 ABS Cement OR Plastic Welder
- Shears
- Sandpaper - 80, 220, 300 grits
- Paint Stir

### Forearm Armor -> Directions

This is a pretty basic build. First, connect both halves of the forearms. I recommend making this permanent. (have someone help you with this) Hold both pieces together and make sure you have room to squeeze your hand out of the opening. Mark your line. For the back of the forearm, you will bend and flex your arms. Make these "kinda" snug (remember this is not TK armor). Mark your line (if needed) and sand edges smooth. Once you have all your measurements, glue both halves together. Once they are together, here is where you can start sanding the edges to make the bracer look like a forearm. Now mount your compad (  ).

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## 501st CloneTrooper Detachment :: Tutorials :: Helmets & Armor :: Biceps

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### Quick Stats

Tutorials: 20  
Views: 6479  
Categories: 8  
Comments: 0

### Tutorials -> Helmets & Armor -> Biceps

**Name:** Biceps  
**Submitted:** Jul 19, 2005  
**Submitter:** TC-7100  
**Category:** Helmets & Armor  
**Views:** 267  
**Rating:** 0  
**Rate now:**       
**Description:** Building your bicep

No image available

### Biceps -> Tutorial Requirements

- IPS Weld-On #2354 ABS Cement or Plastic Welder
- Industrial Velcro - White and Black (Sam's Club, in the office section - 20ft \$10)
- 2-4 paint stir sticks - Home depot....they are FREE. This is to help make nice (legs, forarms, etc.)
- Clamps!!
- Shears
- Sandpaper - 80, 220, 300 grits

### Biceps -> Directions

BICEPS: This is a "build to fit" project. First shape the biceps to fit your arms. Use your hands to bend them to the desired shape.

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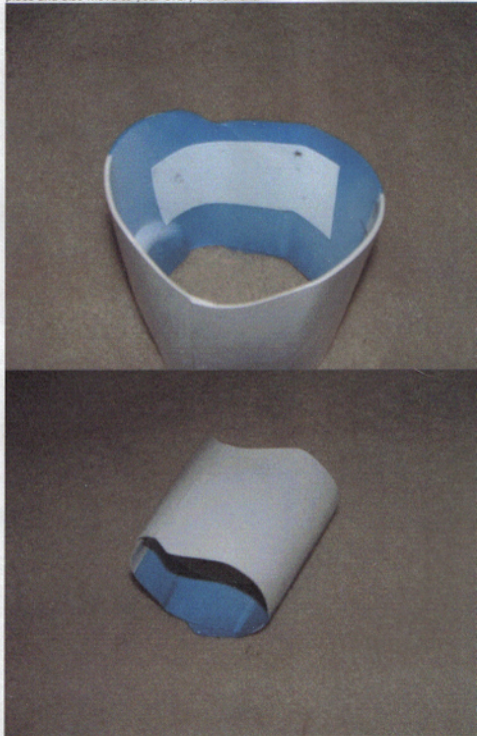


Once shapped, have someone help you line them up on your arms. Make sure it's enough so you can bend your arm (remember to measure when you bend your arm the size, cut, and glue together (use a couple of paint stirrs to make a nice flat bond



You can then trim, reshape, and sand once they are completely glued. Now to get the "CG" effect. Use a strip of black Industrial Velcro and attach it to the outside (when

will rest) on your underarmor (sew or non-sew bond the strips). Attach a strip of white Velcro to then inside (facing out - see pic) of your bicep armor. The velcro will hold the armor in place and also move to your every movement.



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## 501st CloneTrooper Detachment :: Tutorials :: Helmets & Armor :: Chest Armor

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### Quick Stats

Tutorials: 20  
Views: 4920  
Categories: 8  
Comments: 0

### Tutorials -> Helmets & Armor -> Chest Armor

No image available

**Name:** Chest Armor**Submitted:** Jul 20, 2005**Submitter:** TC-7100**Category:** Helmets & Armor**Views:** 410**Rating:** 3**Rate now :** ★★★★**Description:** How to build your chest armor.

### Chest Armor -> Tutorial Requirements

- IPS Weld-On #2354 ABS Cement or Plastic Welder
- Heat Gun
- Industrial Velcro - White (Sam's Club, in the office section - 20ft \$13.00!!)
- Heavy Duty Snaps
- Clamps
- 1 1/2" ABS strips (for sides of chest)
- Shears
- Sand Paper - 80, 220, 300 grits

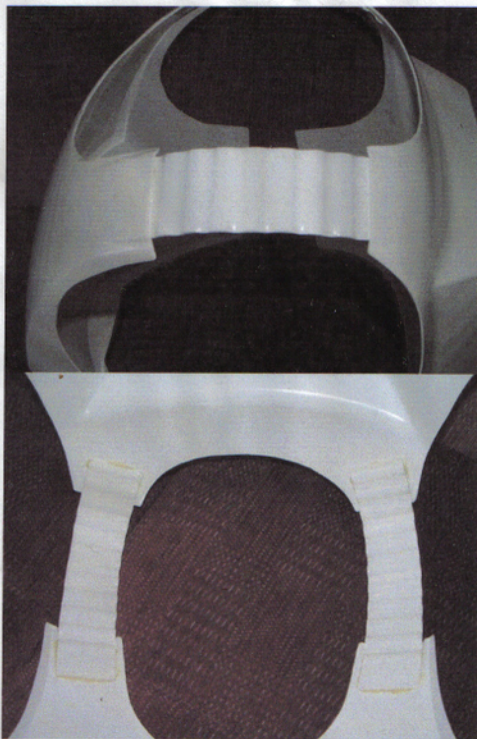
### Chest Armor -> Directions

Start by fitting the shoulder straps in a "relaxed" fit over your shoulders (this is to allow chest armor to lay low). Now measure the distance on the straps when the chest and arms are in a good position (you'll need someone to help you with this). Glue the straps on the armor.

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To hold the sides of the armor together and also allow movement, cut 4 1" strips of AB made 2 1/4" holes to mount the heavy duty snaps. Use 4 strips of 3" white elastic and peices together (see pic). The elastic will allow movement, and will pull the sides of the together at the same time. Now, you can either make 1 side permanent, or you can make both sides to open. I made one side of my chest permanent, and the other side uses velcro side of the chest so you can slip it on and off easily.



(PERMANENT)



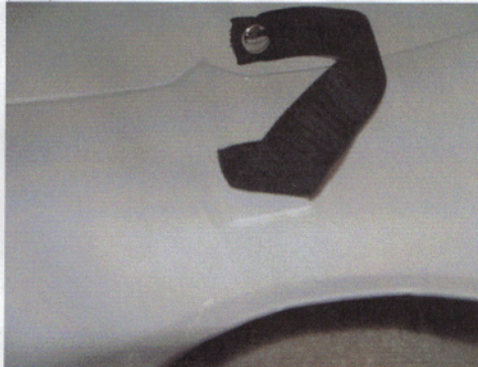
(VELCRO)



Now install 2 straps. One in the front, one in the back. This is to keep the front and back chest over top of the AB piece (even with the new AB design). \*\*\*see the AB Section for these straps snap into\*\*\* <http://clonetroopers.net/Forum/index.php?a...ls&CODE=03>  
(BACK)



(FRONT)



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## 501st CloneTrooper Detachment :: Tutorials :: MISC :: Chest Mods

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Views: 4915  
Categories: 8  
Comments: 0

### Tutorials -> MISC -> Chest Mods

No image available

**Name:** Chest Mods

**Submitted:** Jul 19, 2005

**Submitter:** TC-7100

**Category:** MISC

**Views:** 192

**Rating:** 5

**Rate now:** ★★★★★

**Description:** Some minor mods for chest armor.

### Chest Mods -> Tutorial Requirements

- Dremell (get an extension, using it like a "pen" is so much easier!)
- Carving bit (looks similar to a router bit)
- Sandpaper - 220 & 300 grits
- Small files (Jewelers file kit)
- IPS Weld-On #2354 ABS Cement OR Plastic Welder

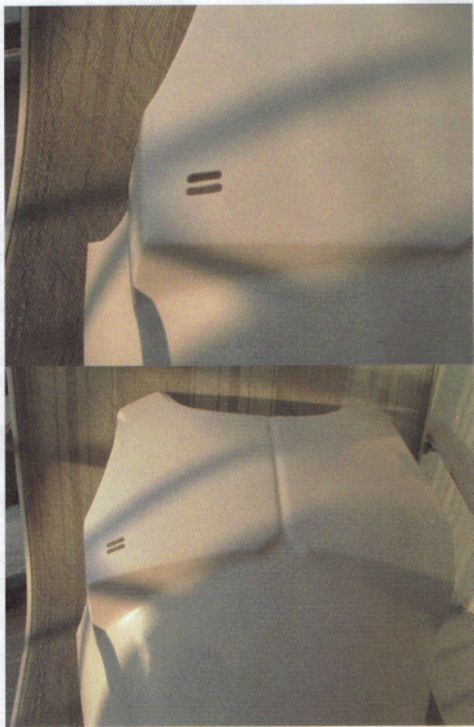
### Chest Mods -> Directions

Chest: Mark your lines on the right side breast plate. Make them 1/2" long. Use the dremel bit to boar out 2 small slits (be VERY careful). Then use a small file to just round out the slits. make it nice an even. Glue a small 1" ABS square to the back of the chest plate right b slits. Once it's dry, use a nice black model paint and paint in your new "3D" chest mark

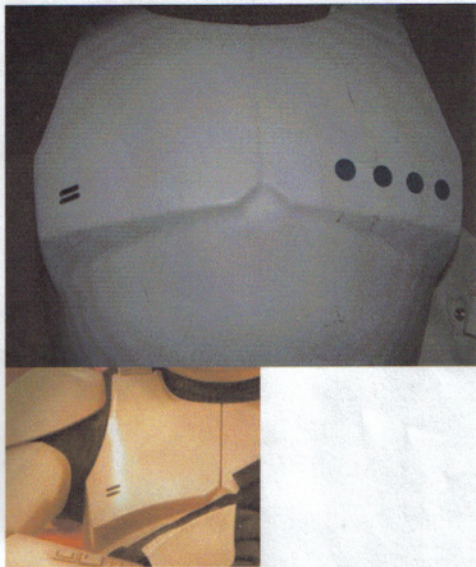
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## 501st CloneTrooper Detachment :: Tutorials :: Helmets & Armor :: AB Section

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### Tutorials -> Helmets & Armor -> AB Section

No image available

**Name:** AB Section  
**Submitted:** Jul 19, 2005  
**Submitter:** TC-7100  
**Category:** Helmets & Armor  
**Views:** 506  
**Rating:** 2  
**Rate now:**

**Description:** How to put your AB section together.

### AB Section -> Tutorial Requirements

- IPS Weld-On #2354 ABS Cement OR Plastic Welder
- Heavy Duty Snaps
- Little black round buttons (sewing dept - WalMart)
- Industrial Velcro - White and Black (Sam's Club, in the office section - 20ft \$1.00)
- Strap adjuster and clips - this is for using the "clamp" style for your thighs(s)
- Black Straps (Wal-Mart - sewing section)

### AB Section -> Directions

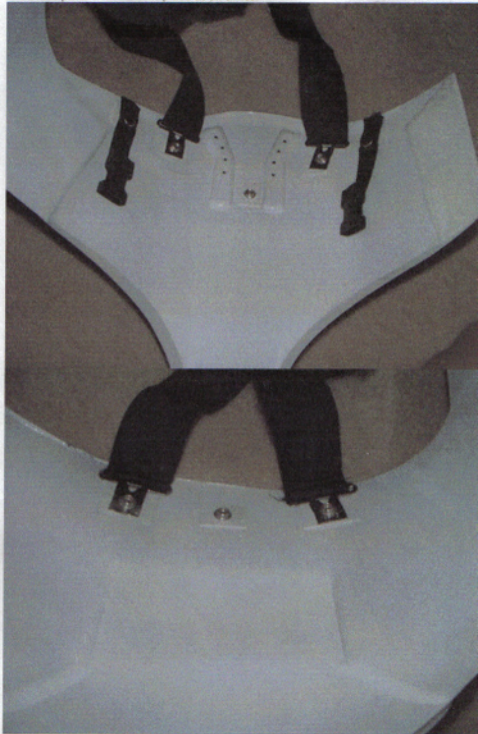
This is the AB section, one of the toughest to put together. One thing to remember about armor if you want it to work (walk, sit, run, etc.)....keep it "snug" to you. This is why it's tough. Keep the AB close to you so you can keep it from riding up over the chest. I glued to make it permanent, the other I close with Industrial Velcro. Inside I made the suspender permanent by the use of the "male" snaps and a small square of ABS and attached it to the AB (eliminating any "clips" or rivets). I used black straps and clips to connect the suspender peices. What this is also good for is .. your suspenders keep the AB up and firm, the AB down being the thighs are "snug" to your legs and strapped into the AB it makes a solid fit.

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Also notice the snap parts I glued in. This is where the chest straps are snapped into. male snaps. One in the front section, one in the back (adjust this to your own fit). This is where you would snap the chest plate down and in place at all times.



Buttons : I went to Wal-Mart in the sewing section and got small rounded black buttons. I drilled 1/8" holes in the grooves on the AB section and glue them in (just like on FX TK armor) to give you that "3D" look.







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**Tutorials -> Helmets & Armor -> Belt Assembly**

*No image available*

**Name:** Belt Assembly  
**Submitted:** Jul 19, 2005  
**Submitter:** TC-7100  
**Category:** Helmets & Armor  
**Views:** 379  
**Rating:** 0  
**Rate now:** ★★★★★  
**Description:** How to build your

**Belt Assembly -> Tutorial Requirements**

- IPS Weld-On #2354 ABS Cement or Plastic Welder
- Heat Gun
- Industrial Velcro - Black (Sam's Club, in the office section - 20ft \$13.00!!)
- Clamps (see pics)
- Drill & 1/8" bit
- Rivet Gun & good heavy duty 1/9" rivets
- 1 1/2" ABS strips (for belt boxes)
- Shears
- Bondo
- Sand Paper - 80, 220, 300 grits
- Pure White Paint (auto parts store)

**Belt Assembly -> Directions**

BELT: Now this process is simply a "fit to the user" build. Once you figure out what that you need, then you can start attaching the belt together. Each end will overlap I shears to cut off the side peices so the belt will overlap. Glue the overlapped peices to pic). You can also see I left a lip on then front portion of the belt. This will help reinforce of your belt.

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BOXES: This is also a "fit to the user" build. Cut the boxes so they are proportionate to the user. Sand them so they are nice and even. (As you can see, I cut mine rather small. My old build used full boxes and it just wasn't proportionate.)



Now use 1 1/2" ABS strips and use your heat gun to bend the end of the strips into an L-shape. Then size them to fit into the belt boxes (see pic). Now with the strip in place (do not

place them on the belt to see what the layout will look like. Raise the strip so it is flush with the bottom of the box. Now that you know where the boxes are going, place each box on the belt. Where the strip rests in the box, is where you will glue it. Once sized and the strips in place.





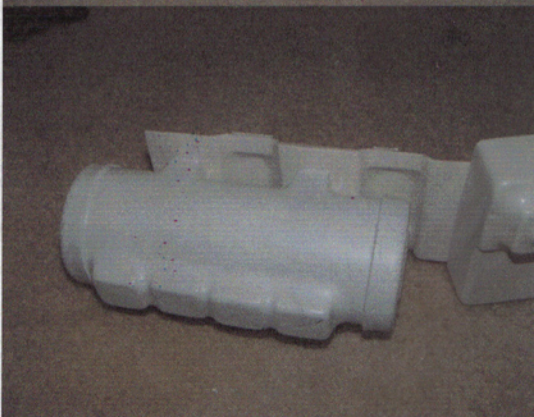
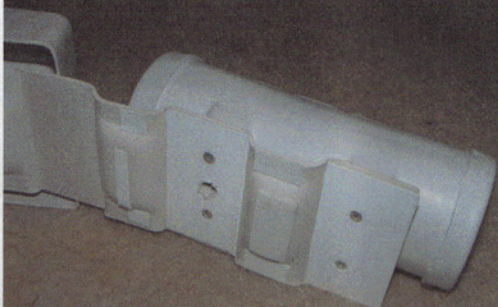


Now you are ready to mount the boxes. You know where they are going to go, so line one last time...make sure they are strait and glue and clamp them into place.



**CANNISTER:** This is where I used Bondo. There are a ton of ways to build a cannister and I've ever built a TK cannister, this is the same. Line up the 2 halves, glue together, glue on endcaps, and bondo & sand it so it's nice and smooth looking, and then paint. To attach

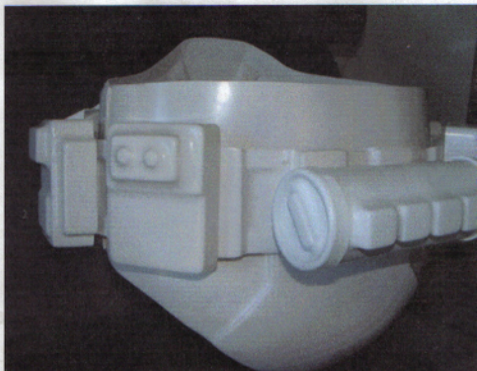
carabiner will get hit, beat, run into, etc. make sure to secure it.



Packing slip

Paypal

Use Industrial Velcro to attach the overlapped end so you can close the belt and make wear. Now to mount it. Use your heat gun and SLOWLY heat up your belt and curve it AB section (use your AB section as a guide). Now you have a nice looking belt.



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# 501st CloneTrooper Detachment :: Tutorials :: Helmets & Armor :: Thigh and Knee Armor

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Name: Thigh and Knee Armor

Submitted: Jul 20, 2005

Submitter: TC-7100

Category: Helmets &amp; Armor

Views: 420

Rating: 0

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Description: How to build your thigh and knee armor and how to make your armor actually work

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## Thigh and Knee Armor -&gt; Tutorial Requirements

- IPS Weld-On #2354 ABS Cement OR Plastic Welder
- Industrial Velcro - White & Black (Sam's Club, in the office section - 20ft \$13.00)
- Shears
- Sandpaper - 80, 220, 300 grits
- Paint Stir
- 1" black elastic - about 10" of it
- 1 1/2" white elastic - about 1' of it
- Heavy Duty Snaps

## Quick Stats

Tutorials: 20  
Views: 4918  
Categories: 8  
Comments: 0

## Thigh and Knee Armor -&gt; Directions

\*\*\*If you want Clone armor to work (walk, sit, run, etc.), keep it "snug" to your leg. It should be tight .... snug!\*\*\*

## THIGHS

\*\*Get someone to help you with this\*\*

Fit the front and back leg together. Make sure the bottom of the leg is around 1" above the kneecap (you may have to do some trimming). Both halves should come together "snug"

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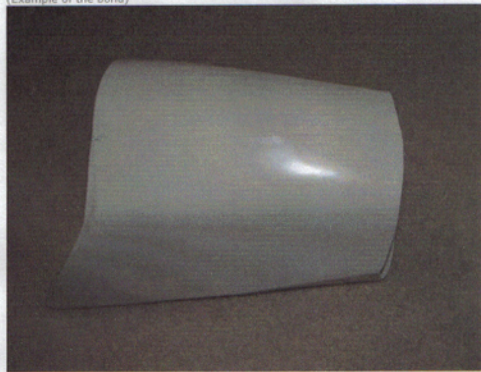
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you flex you leg. Mark your measurement lines.\*\*make "small" trims... don't take too Remember - It's easier to trim then it is to add!\*\*  
(Example of fitting) - The yellow lines show how my legs sit inside the thigh armor. - s tight...



Glue both halves together. I highly recommend making the thighs permanent. (use Pal get nice solid bond).  
(Example of the bond)



Once you fitted your legs and glued them together ....now it's time to be a little creative good look at the thighs from movie pics. They have style to them. Now, I shaped mine Kotobukiya statue and movie pics. Now.... go get artistic!! 😊

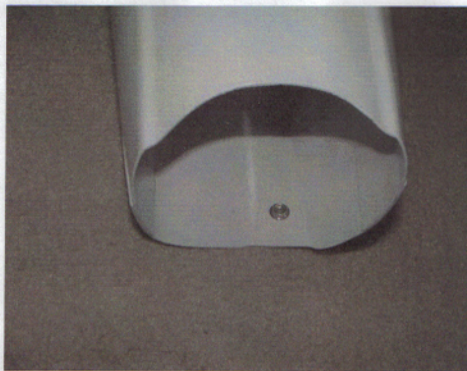
Now it's time to attach your thigh armor to the AB section.  
<http://clonetroopers.net/Forum/index.php?a...ls&CODE=03&id=1>

First, cut 4 1" squares of ABS and make 1/4" holes to mount the heavy duty snaps. Attach strap and quick clip using the small ABS square/button. (see pic) This will allow it to clip to the AB section. Also by using this method, I added the option to make the legs adjustable (for comfort). Next attach a male end snap/square in the "triangle" of the thigh armor (adjustable size). This is to attach the knees.

(Thigh strap)



(Button glued in the "triangle")



## KNEES

YES! You can get them to work! Here's how. Take the knee armor plate, flip it over a center of the grove, glue a small "permanent" elastic strap (black 1" elastic strap w/button/square). This is where your eyes come in. Get someone else to help you wrap strap and keep your back and legs straight and have someone attach the knee armor the distance from there. Mark your line. Now cut the length of 1" black elastic a "little" then the actual distance (this will allow the elastic to pull the knee and keep it taught armor and leg). Now attach white Industrial Velcro to the inside of the knee (see pic) velcro to your under armor (either sew or use non-sew adhesive). The reason for this is to let the knee "pivot" while you walk. Now, just attach a 1 1/2" white elastic strap and strap (\*\*more details on this....comin soon\*\*)

