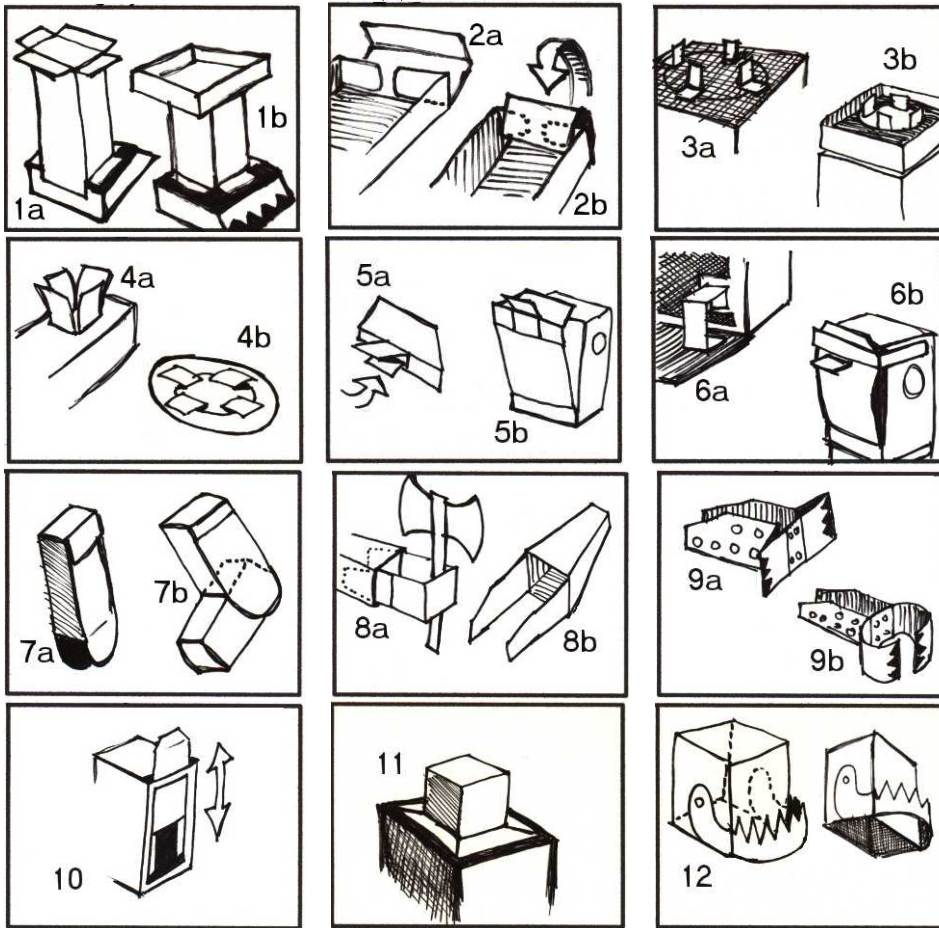


## THE SPLATTERBOT -ASSEMBLY INSTRUCTIONS-



WHAT YOU'LL NEED: Scissors, an X-acto knife, Elmer's glue, Scotch tape, and a ruler.

HELPFULL HINTS: Although these toys can be printed on ordinary paper, they work best if printed on heavy card stock (80lb paper works great).

Start by cutting out the general area of the piece you're working on, so you won't have extra paper flopping around. Then carefully cut out the object itself (be careful not to cut off any of the tabs).

Once the item is cut out, you'll want to fold everywhere that needs folding before taping or gluing anything. The fast easy way to make folds is to fold the paper over the edge of a ruler or other straight-edge. Once the shape is folded properly you may then tape or glue everything in place. Elmer's glue works good if you smear a small area and let it set a moment to firm up before attaching things.

Assembly: We'll begin with the base piece on page 1. Cut it out, being careful to leave all the black areas. Then carefully cut along the two red lines to separate the back section from the side sections. Fold down the three black strips and the two black triangles. Press the three black strips flat and glue them down to the blank side of the piece (they're just there to strengthen the sides). Now fold down the front (the side with the jagged edge), the sides, and the back. The back folds down along the green line. Next fold down the two tabs at the rear of the side sections (folding between the green lines). Set the piece upright so it's like a box, and glue the front over the two folded down triangles to hold it in place. To finish the base glue the two tabs at the rear of the side pieces (the little parts with 3 bolts) over the back section and glue them so they hold the back in place. Now snip out the legs piece. Both legs are just one piece.

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Cut the small red lines (3 on each side) so that there are four loose tabs on each side. Fold them all up (between the green marks) and fold down the blank section with the X. Then fold down between the red cut places so you have five folded sides. Glue the blank side under the opposite side so you have a rectangular box with open ends. Place the leg piece over the base and glue it into place with the circular designs on the side. Note that the front and side tabs should be bent and glued to the top of the base, while the back tab should be straight and glued to the back of the base as shown in Figure 1a.

Cut out the upper and lower hip, and cut out the white circle inside the upper hip. Both of these pieces will be built the same way. Begin by cutting along the red lines to separate the side tabs (don't cut off the whole side, just cut where it's marked red). Fold down the blank tabs and the black strips. Now fold down the sides (between the cut red lines and between the green lines). With the blank side up, fold the tabs inward as shown in Figure 2a and fold the black strips over them as shown in Figure 2b. Position the lower hip over the legs and glue it down to the folded leg tabs, with the open side upwards as shown in Figure 1b. After it's glued you may trim the tabs if needed. The upper hip should now set over the lower hip like a lid on a box. Be sure it fits but don't glue them together just yet. Cut out the hip ring, the hip disc and the four hip tabs, and lay them aside, we'll use them to connect the chest after we build it.

Cut out the chest piece on page 2, and remove the white circles in the side sections and rectangle in the back section. Cut along the four red lines to separate the tabs. Next Fold down the four blank rusty tabs and the two black strips. After that fold down the back (between the green marks), the sides, the top (the section with the square drawn on it) and the bottom (the section with a circle drawn on it). Holding the piece upright (with the black side in the front), glue the blank tabs on the bottom section to the insides of the side sections, and then glue the back closed by gluing the bottom of the back section to the black strip on the bottom section, and also gluing the black strip on the left of the back section to the inside rear of the left side section. We should now have a box with a lid and flaps at the top. Leave the top loose for now. Take the four hip tabs from Page 1, and bend them in half. Flip the Chest piece over and glue the four tabs to the bottom, lining up the folds with the small lines drawn inside the circle, so it looks like Figure 3a. Now lay the upper hip piece (turned upside down) over the tabs as shown in Figure 3b. Lay the hip ring over the tabs and bend the tabs down over the ring as shown in Figure 4b. Next put glue on the ring and tabs, being careful not to get any glue under the ring, and glue the hip disc over them. The tabs should be sandwiched between the ring and disc, and the chest piece should now be able to turn on the upper hip piece. Flip everything upright and glue the upper hip to the lower hip. The chest should still turn freely.

Next we'll be building the hidden teeth in the front of the chest. Cut out the front plate, fold it down in the center (between the green lines) and up along the bottom strip of bolts (between the blue lines). Glue the two large sections closed so the piece is double thick with just the bottom strip single thick. Now glue the bottom strip of the chest plate to the bottom row of bolts on the front of the chest piece, so the chest plate covers the black area. The fold at the bottom of the chest plate should be along the bottom edge of the black chest area. The bottom strip of the chest plate should be even with the bottom of the chest piece, and should not interfere with turning the chest on the hips. Next cut out the handle on page 2. Cut the red marks and fold the center tab up between the blue lines. Then fold the center section of the tab down, and fold the last section (with two bolts) back up. Fold the piece between the green tabs and glue the two large blank rusty sections together so the piece is a double-thick flap. Then glue the middle tab as shown in Figure 5a. It will create a small handle in the middle of the piece, with the end part filling in the gap in the row of bolts. After that, glue the handle piece to the top of the chest plate as shown in Figure 5b. The row of bolts should cover the black rectangle at the top of the chest plate, and the flap should be able to be bent back.

Cut out the two chest braces. Fold down the red sections, and then fold down the rust sections. We'll attach both the left and right braces the same way... Glue the red sections directly to the little rusty squares on either side of the black chest area, with the rest of the brace running

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upward. The glue goes directly on the red side, and the brace is facing down towards the chest when we glue the red section to the rusty square. Next bend the brace out and down so there's a rust section facing up and the blue section facing forward. Turn the rust tab on the end underneath and glue it to the back of the chest plate where the little squares are marked. The brace should now be mounted as shown in Figure 6a, and the brace should collapse and lay flat when you fold the chest plate closed. Be sure both braces are attached in this manner. To be fancy, you might now want to carefully black out the backs of the end sections of both braces with a black marker, so it looks nicer. Carefully cut out the teeth and glue this piece flat to the blue sections of the brace that are facing forward. Cut out the front strip on Page 2. Close the chest plate, fold the front strip between the green marks, and glue the front strip in position to hold the chest plate closed, as shown in Figure 6b. The front strip should be loose enough to allow the flap to slide under it, but snug enough to hold the chest plate closed. At this point you should have a closed chest plate that can be pulled open to reveal the hidden teeth. It's ok to slightly curve the chest plate if you need to in order to close it. Also, I notice this mechanism seems stiff when first assembled but becomes a little more flexible and easy to open and close after it's been played with a little while.

Now that the teeth are done, let's build the arms. Cut out the two arm rings and the two arm discs on page 2 and lay them aside for the moment. Cut out the upper arms on page 3. Both upper arms will be built in the same way. Fold down the square tab (opposite the side with round parts) between the green lines, and then fold it down where it joins the rest. Next fold down the four sides and the rusty section with the X, folding between the green marks. Glue the rusty section with the X to the back of the opposite section, forming a box, and fold the end tab over and glue it as shown in Figure 7a. It's handy to insert a pencil into the piece to press the end tab down firmly. Once both upper arms are assembled, cut out the two arm connectors. Fold all four tabs up on each connector, and then locate the small black squares on the upper arms (opposite the round ends). Glue a connector firmly to each upper arm. Again, use a pencil to press them tight. They should sit as shown in Figure 4a. Now for each upper arm insert the tabs through the arm holes as in Figure 3b. Place an arm ring around the tabs inside the chest, and fold them down as in Figure 4b. Put a little glue on the folded down tabs and the ring, being careful not to get any glue under the ring, and put the arm discs in place over the rings to hold the tabs securely. You should now be able to rotate the finished upper arms.

Cut out the two lower arms and fold the end tabs down on either side between the green marks and where they join the rest. Next fold the sides between the green marks. Fold the side with the X around and glue it behind the opposite side, forming a box with tabs on either end. Fold the tabs over both ends just like we did at the top of the upper arm pieces, and glue in place. You should now have two closed rectangular pieces. Place one end of each between the round ends of the upper arms, at about a 30 degree angle, as shown in Figure 7b, and glue them in place. Be sure the tabs on either end of the lower arms are turned up and down, not sideways (this is important later). You can be fancy now and blacken any visible white areas on the inside of the round ends with a marker. Now we have two finished arms and we're ready to build the interchangeable hand pieces.

Cut out the entire square the hatchet is on, and fold it in half along the green line. Glue both sides firmly together. You should now be able to cut out the Hatchet shape and have a two-sided piece when finished. Trim either side if needed, and then cut out the hatchet brace. Fold the piece between the blue lines so it's double thick, and glue the two sides together. Next fold down between the green lines so the piece is U shaped. Glue the Hatchet handle to the inside of the brace, placing it over the two bolts on one or the other side of the brace. Now gently press in the tab at the end of one arm, curving it in slightly. Gently squeeze the top and bottom of the lower arm so the sides curve out slightly. This widens the gaps on either side. Now slide the hatchet brace sides into these gaps, and the arm should hold the brace as shown in Figure 8a. If everything's going right we can now remove the hatchet brace when we wish, and replace it with the laser or the claw, which we'll build next.

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Cut out the laser piece on page 4 and fold the sides down between the green lines. Glue the black section to the back of the opposite side, so the laser is shaped as shown in Figure 8b.

The laser is now finished and ready to add to the robot. Cut out both claws and fold the end tabs up between the green marks. Next fold down between the jagged edges (between the blue marks). Position the claw as shown in Figure 9a and glue the front and back of the claw halves together. Gently bend the claw halves over a pencil so they form a claw as shown in Figure 9b. Trim the two tabs so the claw will slide easily into the gaps in the lower arm. The claws are now ready to be added to the robot. If you'd prefer the claw turned sideways instead of the way it's done here, just snip off all of the side tabs except for the last two bolts, and glue these new smaller tabs to the outer top and bottom of the front of the lower arm, so the claw is sideways.

Next we'll install the liner and add the back plate. Start by snipping out the liner. Fold both blue tabs up, and then fold all four sides up on the green lines. Slide the liner into the chest piece from the top, being sure the copper gears are at the top, orange wires in each side, and electronic circuits at the bottom. Don't glue the liner, just put it in place. The folded back blue tabs should leave a gap between themselves and the back edges of the chest piece. After you've inserted the liner, fold down the flaps on either side of the chest piece top, and glue the top lid (the flap with the square drawn on it) down to the side flaps. There will be a gap between the back edge of top flap and the back of the robot. Snip out the back plate, fold it in half between the green lines, and glue both sides together. Trim either side if needed. Now slide the back flap between the liner and the back of the robot, inserting it in the gap at the rear of the top flap. It should now cover the secret compartment we've created, and slide up and down easily to open the compartment, as shown in Figure 10.

Time for the head, which includes the floating eye monster hidden inside. Start by cutting out the part labeled 'eye monster' on page 5. Fold the four outer tabs up between the green lines. Then fold the four black triangles down, and fold down the four sides of the piece. Glue the front and back sections over the triangles so we have a box with four tabs. Now glue the four tabs down flat to the top of the chest piece (as shown in Figure 11), centering the box over the square drawn on the chest top. Cut out the head piece and snip along the four red marks to separate the sides. Fold down the two black strips and then fold down the four large blank rusty tabs and the four smaller ones. Finally, fold down all four sides. Glue the front and back sides over the large rusty tabs to form a box. Now fold the small rusty tabs in as shown in Figure 2a and glue the black strips down over them as shown in Figure 2b. Cut out the jaw piece and fold the sides down where indicated between the green lines. Curve the middle of the jaw around a pencil so the middle section is curved. Then set the jaw so it sits flat in front of the head piece, and glue both side sections of the jaw flat against the sides of the head. The jaw should now curve outward on the head, as shown in Figure 12. Set the finished head and jaw over the eye monster, but don't glue it down (we want to leave it removable to show off the eye monster).

And as easy as that, you've created your own Splatterbot!