

# LOCKWOOD ANGUS

## FARM AND RANCH

### CUSTOM FARM TOYS

## FRONT END LOADER KIT

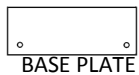
Congratulations on your purchase. This kit is designed to be built by beginners and experts as well. We believe it will provide you with many hours of enjoyment in your collection or display. All of our kits are designed to make a base model and may be customized and upgraded with your imagination. Be sure to follow our Facebook page for hints and tips as we grow for your hobby.

ADULT SUPERVISION RECOMMENDED UNDER 14 YEARS OF AGE. KITS MAY REQUIRE USE OF SHARP TOOLS AND CA GLUES.

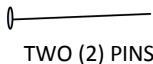
Follow steps 1 through 5. Do not rush and do not force parts. Styrene plastic can and will break if forced. Each part is laser cut to exact size but may require sanding with an emery board or sand paper. Read our hints section before beginning construction and enjoy your build.

### 1. BASE AND UPRIGHT MOUNTS

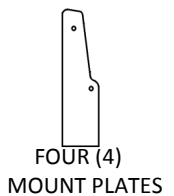
**A:** Glue two pins through holes facing same direction. These pins should be cut to the length of the support tubes.



BASE PLATE



TWO (2) PINS

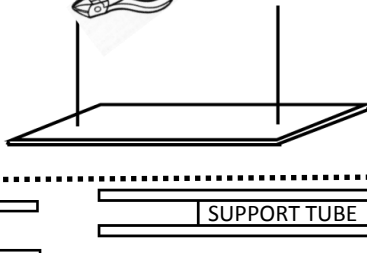


FOUR (4) MOUNT PLATES



TWO (2) SUPPORT TUBES

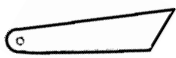
KEEP EVEN



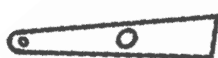
SUPPORT TUBE

**B:** Lay mount plate flat and glue the support tube in place., allow glue to set.. **“SEE HINT AND INSERT PINS NOW”** Glue second plate on top of support tube, but remember to careful with the glue. Once glue sets slide 3rd plate over pins and repeat previous steps to build second mount. Remove from pins and your mounts are ready.

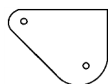
### 2. ARMS



TWO (2) REAR ARMS



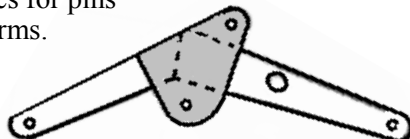
TWO (2) FRONT ARMS



FOUR (4) ARM PLATES

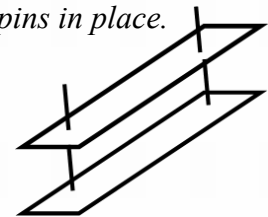
**A:** Lay the arm plate flat and lay the front and rear arms in place checking fit. The two holes in the plate are for the hydraulic rams, makes sure they both are clear as in picture below. Once you have them fitting to your satisfaction glue arms in place. Allow glue to set. **“SEE HINT AND INSERT PINS NOW”**

We recommend using all four holes for pins to make identical angles of your arms.



### HELPFUL HINTS

*When building pieces with matching holes you can use pins stuck through the holes to create a temporary jig for aligning all of the piece. BE CAREFUL and don't get sloppy with the glue or you can accidentally glue the pins in place.*



*When gluing seldom use the bottle to apply your glue. If you are working where too much glue can ruin your piece apply it with an applicator, tooth pick, or scrap piece of styrene. Nothing like ruining a piece because the glue ran.*



*THESE ARE SUGGESTIONS ONLY FROM MY BENCH TO YOURS.*

We take pride in sending you this kit, all pieces are pre-inspected. As with all laser cuts there is a best side for display, study your pieces and use them where they fit best. If any thing is missing or breaks call us immediately.

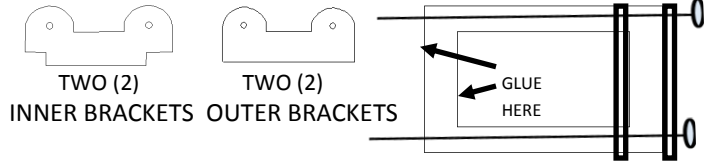
# FRONT END LOADER KIT

3.

## ATTACHMENTS

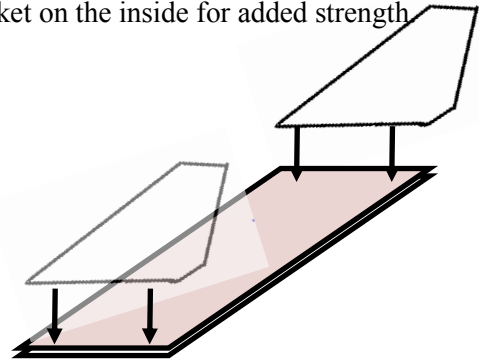
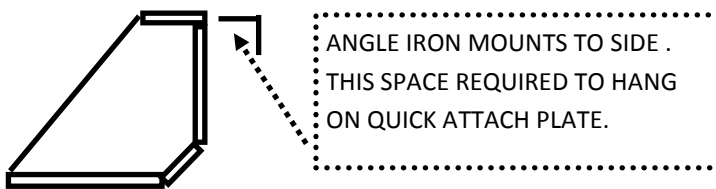
Each loader kit comes with a bucket and hay spike. These are designed to hang on a quick attach plate with a piece of styrene angle iron. IF you only want one attachment, you may skip A and B or C depending on the attachment you want and go to alternative mounting.

**A:** Lay the Quick Attach plate flat and glue the inner brackets in place onto the inside of the frame. If they do not fit, sand or trim to fit.. Insert a pin through one outer bracket, the two inner brackets and then the final outer bracket . Now apply glue and set flat pushing outer brackets against frame. Again remember to be careful with the glue.

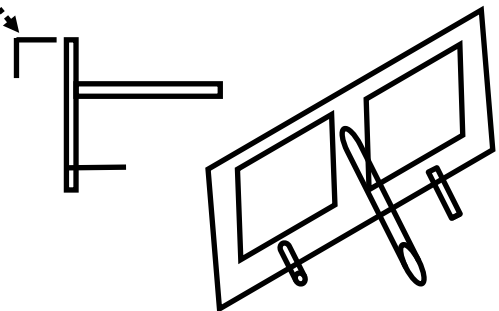


PINS ARE ONLY TEMPORARY TO ALIGN ALL HOLES.

**B:** Lay all strips out by size. The widest strip goes on the bottom of the bucket. Glue the two ends on the top side of the bottom. They can be glued to the end hiding all seams but this makes a difficult build. These can be sanded for a smooth outer appearance when you are finished. The thinnest strip goes on the angle, the next large piece is on the back and the last piece is the top. Attach one of the angle pieces as demonstrated, remember this has to hang over the Quick Attach plate so allow that much space. You can glue the bucket on the inside for added strength

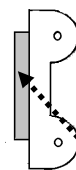
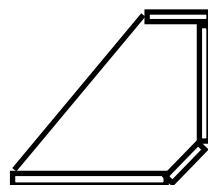


**C: WARNING—SHARP** Take the spike that is included and insert into the center hole. DO NOT force the spike into the plate. Rotate if required to get it to slide through point first. Apply glue to back of the plate to secure spike and pins. Use the ends of the pins cut off earlier to insert for the holding spikes on bottom. Attach one of the angle pieces as demonstrated, remember this has to hang over the Quick Attach plate so allow that much space.



## ALTERNATE MOUNTING METHOD

If you want to secure the bucket or spike only you will use the inner and outer brackets from step A securing them directly to the attachment in the same manner. You will have to sand the brackets down so that they sit closer to the bucket to get a cleaner look.



Remove the grey shaded area on the inner plates and trim the outer plates to same thickness. Insert pins to match the edges

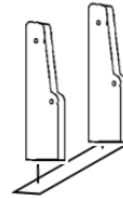
# FRONT END LOADER KIT

4.

## FINAL ASSEMBLY

During assembly remember glue IS NOT your friend. Take your time and remember the moving parts can be ruined with too much glue. During this assembly you will take all of the pieces you have assembled and pin the loader together. When inserting pins we prefer to place them from inside out to hide the pin head.

**A:** Set the Base Plate flat on a surface. You can secure it to your work surface with double sided tape. Place the Upright Mounts on the pins by inserting them into the support tubes.



### DO NOT GLUE IN FOLLOWING STEPS UNTIL INSTRUCTED TO APPLY GLUE

**B:** Place Rear Arm between the two Upright Mount plates and align with the top hole. Insert Pin through the top hole.

**C:** Gently insert cross tube in large holes in Front Arms. Use caution as this piece is very fragile. Sand cross tube if necessary. This piece will need to be sanded or trimmed to exact length once finished.

**D:** Align bottom holes on the Quick Attach bracket with holes on Front Arms and insert a single pin through all four (4) plates and both Front Arms. Slide arms on Cross Tube until they sit square.

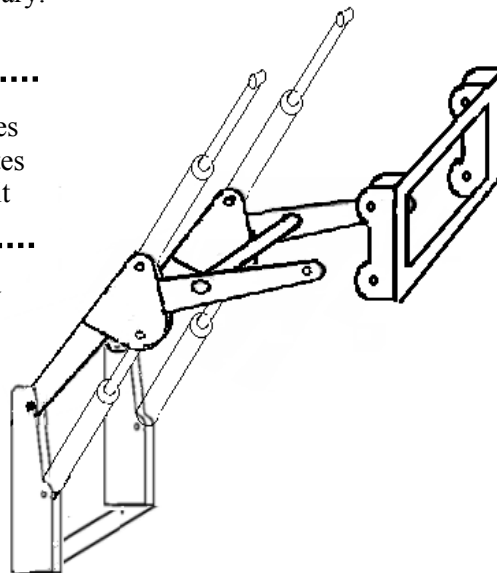
**E:** Glue pins and Cross Tube in place. Pins may be glued by placing a small amount of glue on head and pushing in place. Use caution to not apply too much glue at this point.

**F:** Install rams as desired placing pins in holes. Glue pins in place after rams are installed.

**G:** Trim all pins to desired length.

**H:** Paint all pieces as desired and apply decals.

**I:** Locate desired placement on Tractor by placing base on bottom of tractor, hold in place and test loader for clearance. Once you locate front to rear and side to side clearances glue Base Plate in place.



### ADJUSTING HYDRAULIC RAMS:

If the rams are too loose to support the weight of the loader you may pinch them slightly with pliers to adjust their support.

**WARNING**—Make certain ram is in closed position to not collapse brass tube.