

PARTS LIST				
ITEM	QTY	PART NUMBER		
1	8	MIDDLE STOP		
2	8	CENTER		
3	3	THROWING ARM		
4	2	3/4 ARM		
5	2	1/2 ARM		
6	8	FRONT AND REAR CROSS		
		PIECE		
7	6	OUTSIDE SUPPORT		
8	2	OUTSIDE SUPPORT-NO		
		SLOT		
9	8	TOP BAR		
10	1	LEFT BALL HOLDER		
11	1	RIGHT BALL-HOLDER		
12	1	PIVOT-ROUND PENCIL		
13	1	THUMB PLATE		

WARNING - SAFTEY FIRST!!!
PLAY SAFE AND HAVE FUN AND DON'T HURT
ANYTHING OR ANYONE!!

THIS TOY IS DESIGNED TO THROW OBJECTS. FOR YOUR SAFETY AND THE SAFETY OF OTHERS:

- DO NOT THROW OBJECTS AT OTHER PEOPLE, ANIMALS, OR ANYTHING BREAKABLE.
- ALWAYS USE EYE PROTECTION IN CASE OF A MISFIRE.
- USER ASSUMES ALL LIABILITY

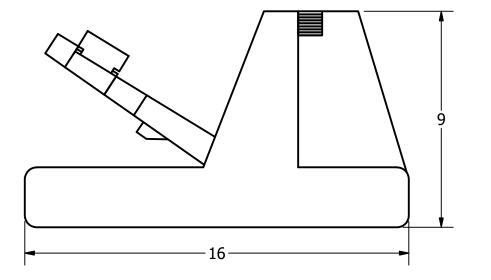
## **READ ALL INSTRUCTIONS BEFORE STARTING!!**

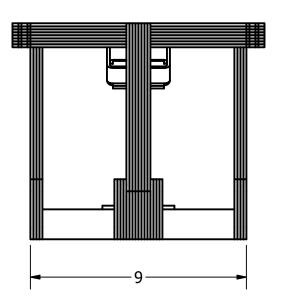
NOTE: CORRUGATED FIBERBOARD (COMMONLY CALLED "CARDBOARD") HAS A GRAIN. THE GRAIN IS THE INTERIOR "S" SHAPE LAYER OF CARDBOARD THAT HELPS GIVE THE CARDBOARD DIRECTIONAL STRENGTH. THE PLAN WILL MARK THE GRAIN AS THE LETTER "V" FOR VERTICAL AND THE LETTER "H" FOR HORIZONTAL.

WHEN GLUEING PIECES TOGETHER, APPLY THE GLUE AROUND THE INSIDE APPROXIMATELY 1/8" FROM THE EDGE. WIPE ANY EXCESS GLUE OFF WITH A DAMP RAG.

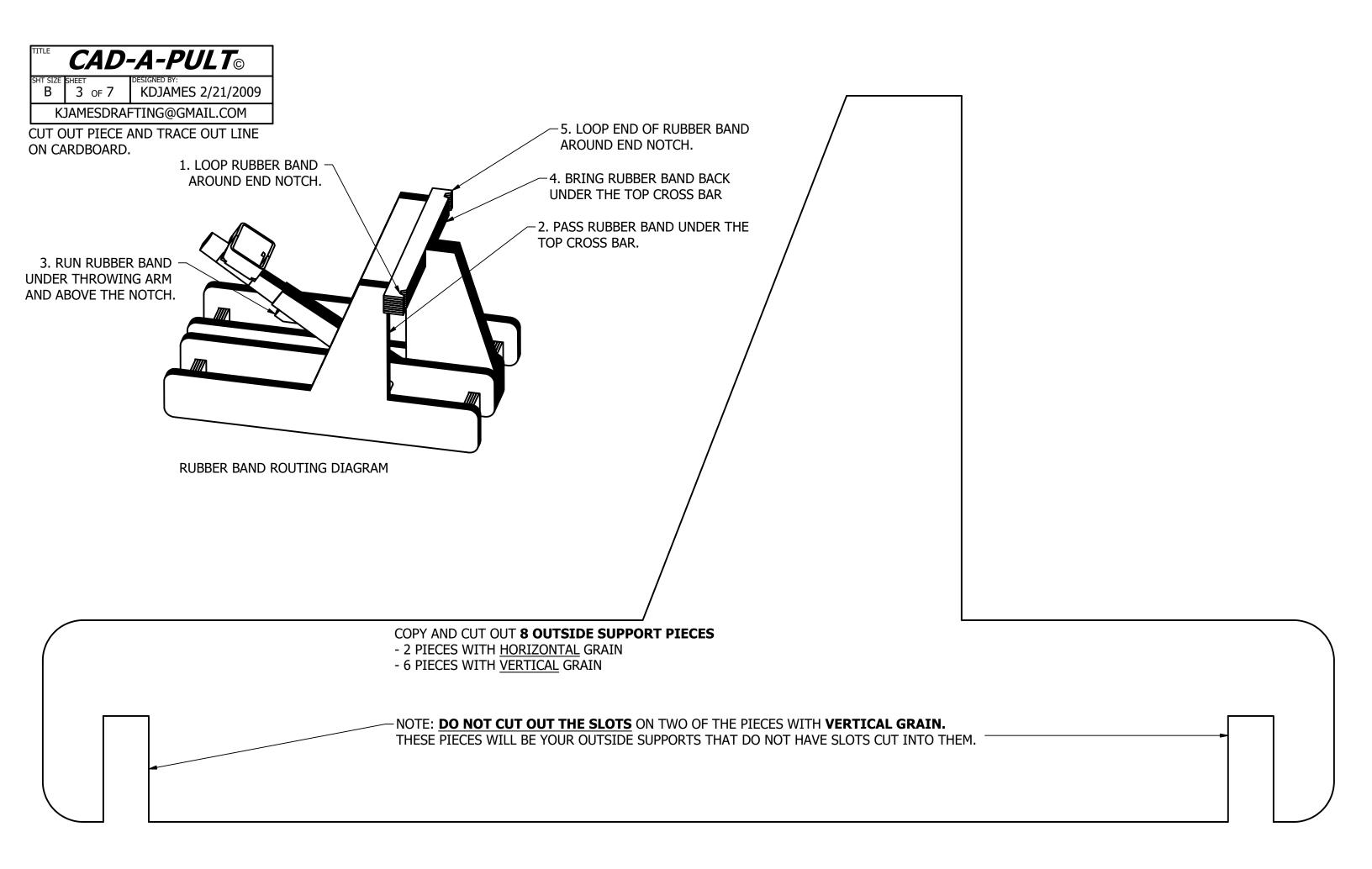
THE **PIVOT** IS COMRPISED OF A **ROUND PENCIL** (DO <u>NOT</u> USE A STANDARD #2 PENCIL) **CUT TO A LENGHT OF 3".** THE PIVOT HOLES ARE .3125 (5/16"). BE SURE THE PIVOT WILL FIT LOOSELY INTO THE PIVOT HOLE. ONLY GLUE THE PIVOT AT THE OUTSIDE OF CENTER SUPPORTS.

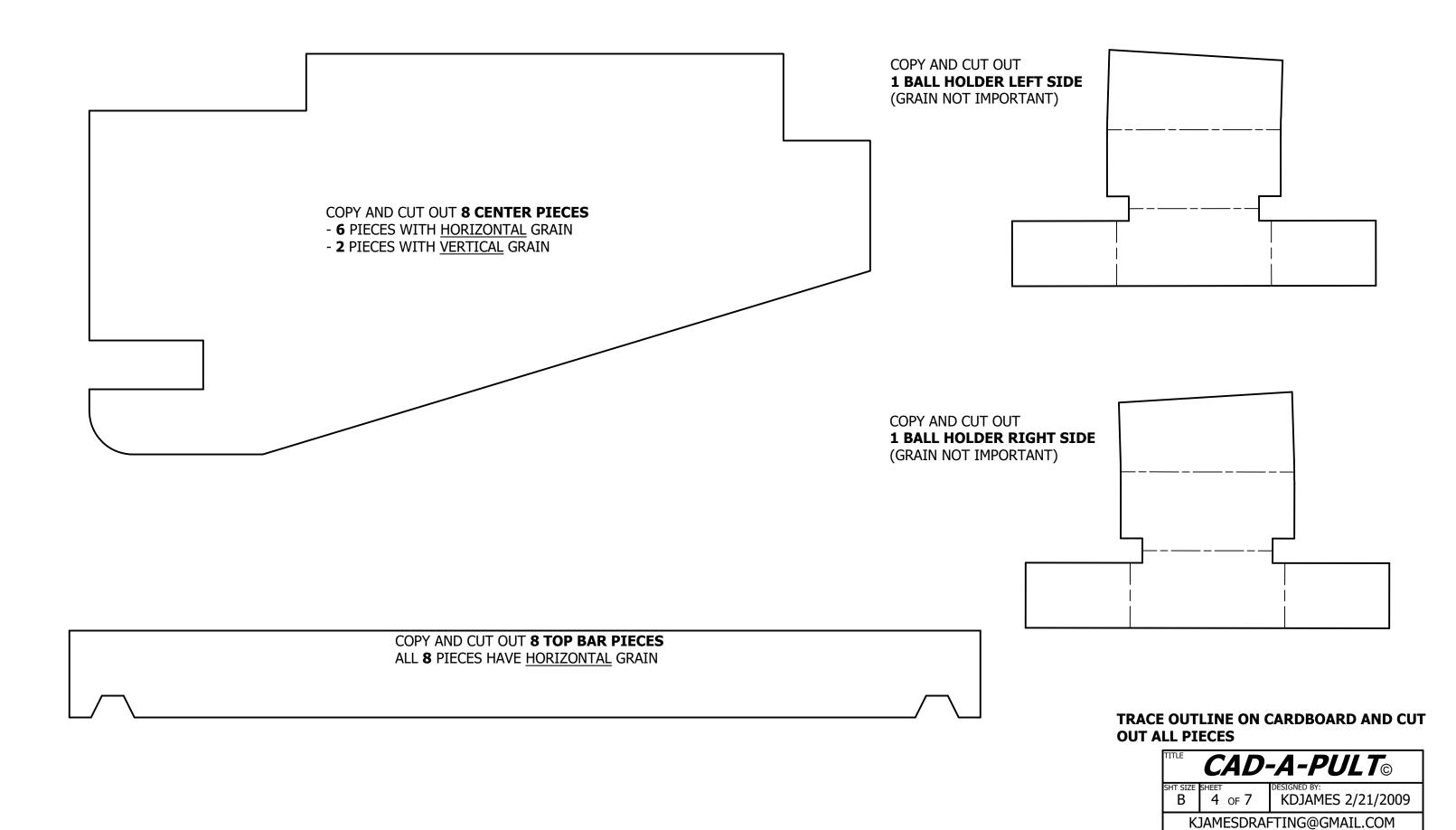
LET ALL PIECES DRY OVERNIGHT BEFORE USING.



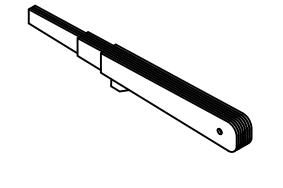


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SHT SIZE SHEET B 2 OF 7	POLT©  DESIGNED BY:  KDJAMES 2/20/2009  FTING@GMAIL.COM  CUT OUT ALL PIECES AND TRACE OUT LINE ON CARDBOARD.	COPY AND CUT OUT <b>8</b> FRO PIECES - 4 PIECES WITH <u>HORIZON</u> - 4 PIECES WITH <u>VERTICAL</u>	ITAL GRAIN
	1/2 ARM PIECES  COPY AND CUT OUT 2 WITH HORIZONTAL GRAIN  DO NOT DRILL HOLE UNTIL  THE THROWING ARM IS GLUED TOGETHER  USE .3125 (16") DRILL AFTER THE GLUE HAS COMPLETELY DRIED		COPY AND CUT OUT 1 THUMB PIECE WITH <u>VERTICAL</u> GRAIN —TRANSFER BEND LINES TO THUMB PLATE
	3/4 ARM PIECES  COPY AND CUT OUT 2 WITH HORIZONTAL GRAIN  DO NOT DRILL HOLE UNTIL  THE THROWING ARM IS GLUED TOGETHER  USE .3125 (16") DRILL AFTER THE GLUE HAS COMPLETELY DRIED		
	THROWING ARM PIECES  COPY AND CUT OUT 3 PIECES  - 1 WITH HORIZONTAL GRAIN  - 2 WITH VERTICAL GRAIN  DO NOT DRILL HOLE UNTILL THE THROWING ARM IS GLUED TOGETHER U	USE .3125 (16") DRILL AFTER THE GLUE HAS CON	MPLETELY DRIFD
	COPY AND CUT OUT <b>8 CENTER PIECES</b> - 4 PIECES WITH <u>HORIZONTAL</u> GRAIN - 4 PIECES WITH <u>VERTICAL</u> GRAIN	1 1/4	USE .3125 - 16" DRILL AFTER THE TWO SETS OF CENTERS ARE GLUED TOGETHER AND THE GLUE HAS COMPLETELY DRIED. TEMOPARY TAPE BOTH SETS OF CENTER SUPPORTS TOGETHER THEN DRILL ONE HOLE SO THAT ALL HOLES LINE UP  5 5/16





STEP 1: CUT OUT 2 1/2 ARMS, 2 3/4 ARMS, AND 3 THROWING ARMS

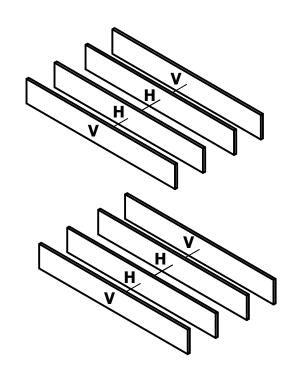


**H = HORTIZONTAL GRAIN** 

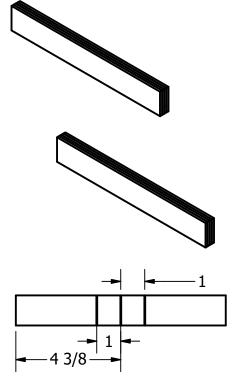
**V = VERTICAL GRAIN** 

STEP 2: GLUE THROWING ARM TOGETHER AS SHOWN.
USE TAPE TO HOLD ARM TOGETHER UNTIL GLUE IS FULLY DRIED.

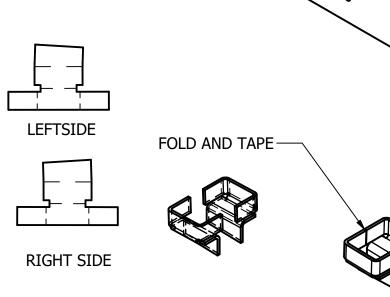
DRILL .3125 ( $\overline{16}$ ") HOLE IN ARM AFTER GLUE HAS FULLY DRIED



STEP 5: GLUE 2 SETS OF FRONT AND REAR CROSS PIECES TOGETHER AS SHOWN. USE TAPE TO HOLD FRONT AND REAR CROSS PIECES TOGETHER UNTIL GLUE IS FULLY DRIED.



STEP 6: FIND AND MARK THE CENTER OF THE FRONT AND REAR SET. MEASURE 1" TO THE LEFT AND RIGHT OF CENTER AND DRAW A VERTICAL LINE. THIS LINE WILL HELP YOU ALIGN THE CENTER SECTION PROPERLY.



STEP 3: GLUE 2 SETS OF CENTERS TOGETHER AS SHOWN. USE TAPE TO HOLD CENTERS TOGETHER UNTIL GLUE IS FULLY DRIED.

STEP 4: AFTER GLUE HAS FULLY DRIED, TAPE BOTH CENTER SETS

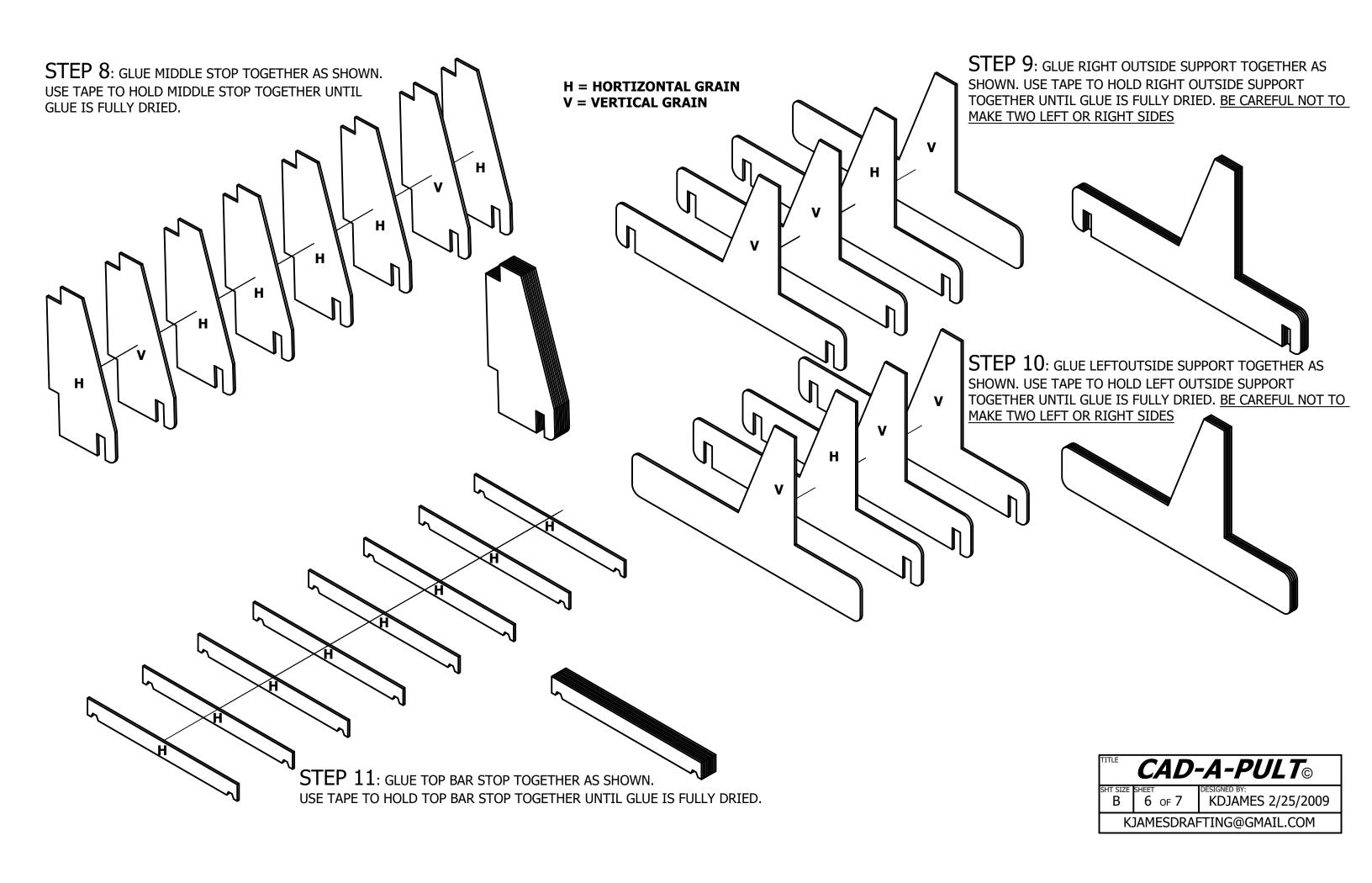
TOGETHER AND DRILL .3125 (16")
HOLE IN CENTERS

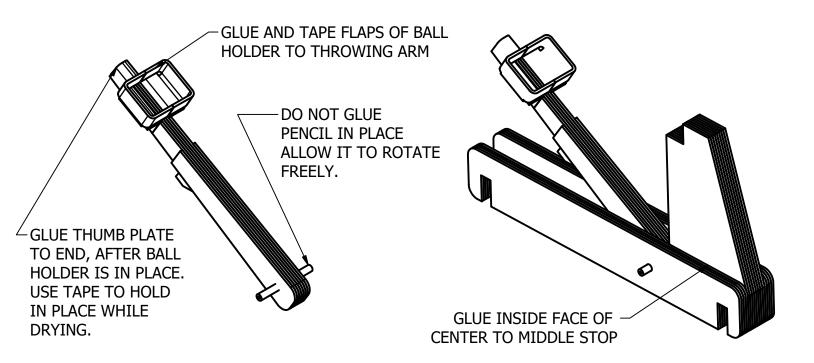
STEP 7: CUT OUT A LEFT AND RIGHT SIDE BALL HOLDER. WAIT UNTIL THE THROWING ARM IS GLUED AND DRILLED BEFORE FOLDING THE HOLDER AS SHOWN. GLUE EACH SIDE AND TAPE FLAPS UP AS SHOWN. WAIT UNTIL GLUE FULLY DRIES BEFORE USING.

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STEP 12: IF YOU HAVEN'T DRILLED THE THROWING ARM HOLE YET, DO SO NOW. GLUE AND TAPE RIGHT AND LEFT BALL HOLDER TO THE THROWING ARM.

STEP 13: GLUE THE TWO CENTERS TO THE OUTSIDE OF THE MIDDLE STOP USING THE SLOT TO ALIGN THE CENTERS. THE THROWING ARM SHOULD MOVE FREELY AND HAVE ABOUT <sup>1</sup>/<sub>16</sub>" SPACE BETWEEN THE ARM AND THE TWO

CENTER THEN GLUE AND TAPE

TOP BAR TO OUTSIDE SUPPORT

MIDDLE STOP

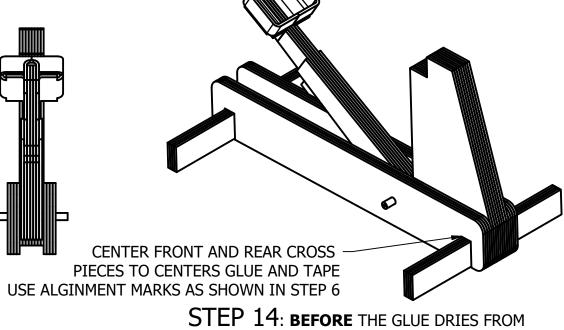
GLUE FACE OF CENTER TO-

GLUE TOP BAR HERE-CENTER SECTIONS.

**GLUE ALL SLOTS** 

STEP 15: BEFORE THE GLUE DRIES FROM THE LAST STEP GLUE AND TAPE THE OUTSIDE SUPPORTS IN PLACE. MAKE SURE THE CENTER PIECES DO NOT MOVE IN AND PINCH THE THROWING ARM.

AT THIS POINT IT IS VERY IMPORTANT TO KEEP THE ASSEMBLY SQUARE.



THE LAST STEP, GLUE AND TAPE THE FRONT AND REAR CROS PIECES. MAKE SURE THE CENTER PIECES DO NOT PINCH THE THROWING ARM.

AT THIS POINT IT IS VERY IMPORTANT TO KEEP THE ASSEMBLY SQUARE. USE THE CENTER MARK THAT YOU MADE IN STEP 6 TO HELP KEEP KEEP THE ALIGNMENT.

STEP 16: GLUE AND TAPE THE TOP BAR IN PLACE BEFORE THE GLUE DRIES FROM THE LAST STEP.

\*\*THIS IS YOUR LAST CHANCE TO MAKE SURE TO KEEP THE ASSEMBLY SQUARE. ADD TAPE AS NEEDED TO KEEP THE CATAPULT SOUARE\*\*

MAKE SURE THE THROWING ARM FREELY MOVES BEFORE LETTING THE ASSEMBLY DRY OVERNIGHT.

NOW GO AWAY AND PLAY OUTSIDE. DON'T MESS WITH IT!

LET THE ASSEMBLY DRY OVERNIGHT.



