

6



- 3. 4.)

- as snown.

Make sure the tapped holes face the inside of the frame and are vertical. (The Edge closest to a tapped hole is the bottom edge.)

5

1.) Lay welded frame on a flat level surface. Make sure the two gussets hang off the surface to insure that the frame is flat. Clamp the frame to the bench.

Screw adjusting shaft (Part A) through the Slide Tube Assembly (Part B) about half way. Slide the exposed portion of the Adjusting shaft into the 1-1/4" hole in the 3" x 3" x 1/4" bottom square tube. Make sure the adjusting tube is centered on the 1 ¹/₄" hole and square with the bottom tube(item 3). Put a machinist square or framing square along the slide tube assembly and 3" x 3" x 1/4" tube.

5.) Place a 1 ½" tall block on the table along side the outside of the Adjusting tube. Align the slide tube slot with the edge of the block. one half of the slot will be exposed. One half will be covered by the 1 1/2" block NOTE: VERY IMPORTANT: The slide tube slot MUST BE in front of tube and centered to insure lower anvils will be square with the upper wheel. Check by assembling lower tube and upper wheel. (Use the flat roll to check.) Once the anvil holder assembly is inside the Slide Tube rotate it until you can install

the shoulder bolt that you removed from the Anvil Holder earlier.

6.) Tack weld slide tube assembly to the bottom tube item three(Item 3).

7.) Place the adjusting cam block (Part C) (as shown in Detail C) against the upper 3" x 3" x 1/4" square tube

8.) To insure that the slide tube assembly and the adjusting cam block are alligned, place a 3" block against the out side of the cam block and place a flat edge or framing square against the block and align the center of the slide tube slot (The 1 1/2" block still in place along side the slide tube assembly will help align the framing square to the adjusting slot.)(See Detail D)

9.) With everything aligned tack weld the adjusting cam block to the upper tube.

10.) Weld the Adjusting tube to the bottom tube and the cam block to the upper tube.

			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	MITTI FR RROS	
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				CHECKED				
			TWO PLACE DECIMAL ±.015	ENG APPR.			(636)745-7757 Fax (636)745-2874	
			THREE PLACE DECIMAL ±.005 ANGULAR ± 1°	MFG APPR.			TITLE:	
			QUANTITY	Q.A.			Enalish Wheel	
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	APPLICATION		do not scale drawing				SCALE: 1:8 WEIGHT: SHEET 1 OF 1	
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2900 English Wheel

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English Wheel Frame Assembly Instructions

Adjusting Cam Block

> (Step 8) 3" alignment block

Straight edge for alignment of Slide Tube Assembly

> Slide Tube Assembly

(Step 1) The gusset side hangs off the surface.



(Step 3)

Exposed portion of





2900 English Wheel Anvil Holder / Slide Tube Assembly

- 1. Thread the Adjuster Shaft into the Slide Tube assembly. Be sure the small machined stub end is inserted first. Thread the Adjuster Shaft up most of the way until you can set the small thrust bearing over the machined stub.
- 2. Remove the small shoulder bolt from the side of the Anvil Holder Assembly. After the Thrust Bearing is installed on the Adjuster Shaft, back the shaft out until the Anvil Holder Assembly will slide into the Slide Tube assembly and allow you to install the shoulder bolt through the slot. Be sure that the Thrust Bearing is installed on the stub end of the Adjuster Shaft
- **3.** Once the Anvil Holder assembly is inside the Slide Tube rotate it until you can install the shoulder bolt that you removed from the Anvil Holder earlier.
- **4.** The lower Kick Wheel is simply bolted to the bottom of the shaft with the hex head bolt and a lock washer.









2900 English Wheel Upper Wheel Installation

- 1. When bolting the upper wheel onto the upper frame adjusting cam be sure to install the spacers as shown below. Large spacer to frame and small spacer to wheel bearing.
- **2.** Tighten bolt with spacers as shown.



3. The lower kick wheel is simply bolted to the bottom of the shaft with the hex head bolt and lock washer. Use loc-tite on bolt.