

# **Automatic Header Height Control**

## Setup Instructions

Pik Rite Tomato Harvester

## Setup Instructions for Header Height Control on the Tomato Harvester

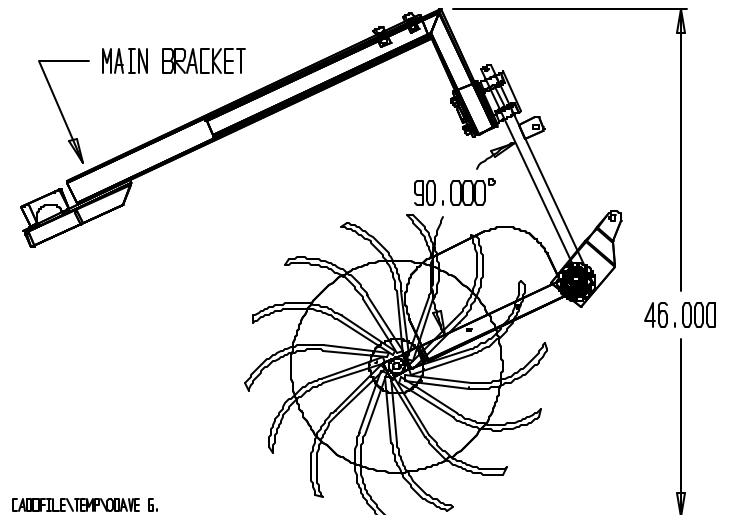
- 1) Main Bracket should be 46" from highest point to ground with header in field operating position and spider wheel arms should be approximately 90° to vertical 1" shaft (see drawing below).

- 2) Needle valve should be open ½ - 1 turn (needle valve is mounted above **Brand** valve on pressure line from tractor).

- 3) Check that the 3 shutoff valves are in the **ON** position and the 2 switching valves looking at plastic knob, are pushed in (**ON** position).

- 4) Small centering cyl. should be extended out too halfway (Note: cyl. speed must be set by turning speed adjusters on **Brand** valve.

To find which adjuster to change push switch (outer gauge wheel) up on control box and check for magnetism on **Brand** valve solenoids. The adjuster for that function will be on opposite side of **Brand** valve. Use same procedure for switch down function.

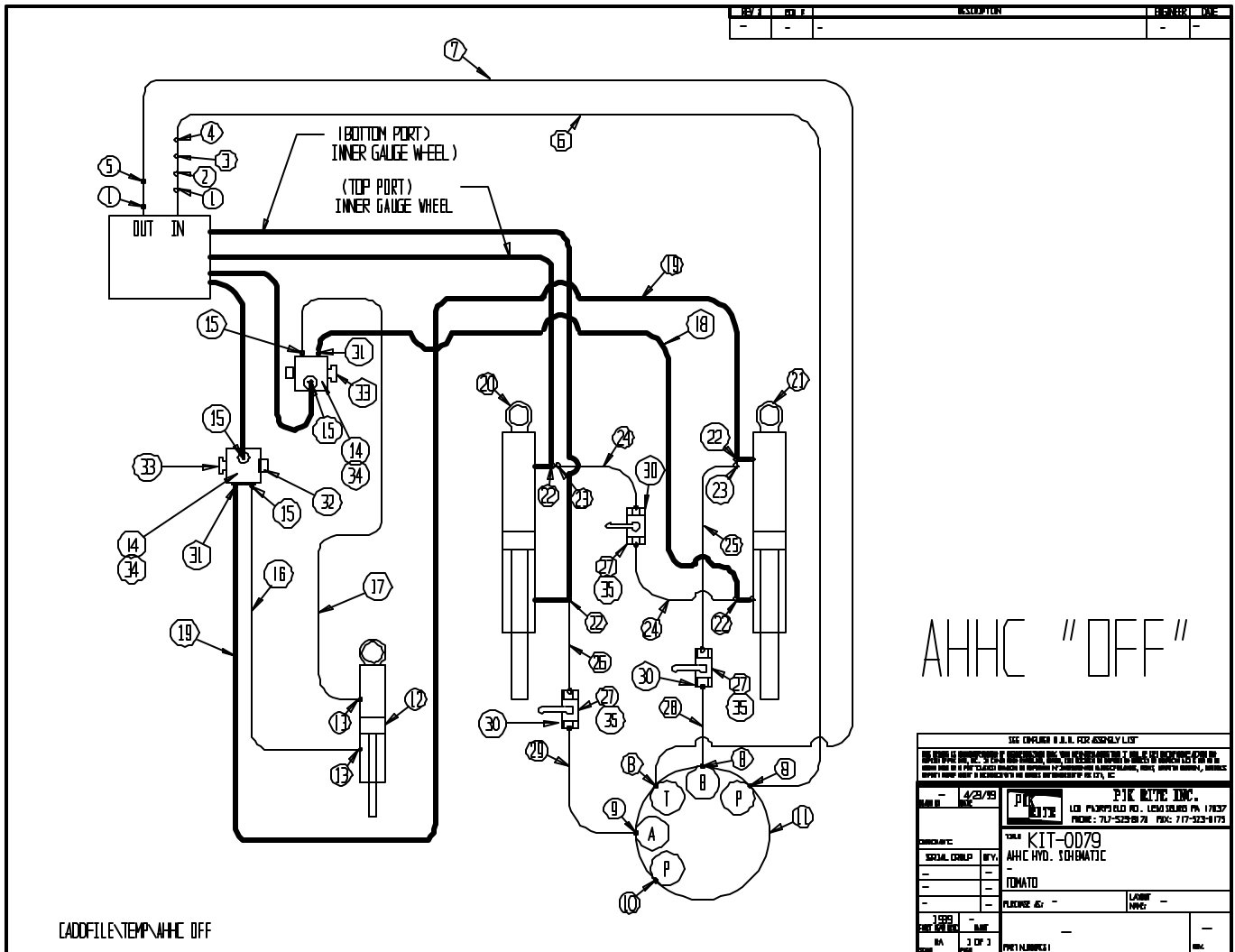


- 5) Loosen setscrews locking rotary valve shaft.
- 6) Facing shaft end of rotary valve, use a large straight screwdriver inserting it through hole in pivot shaft to turn rotary valve shaft. Clockwise should raise the header while counterclockwise should lower the header (if your results are opposite, the rotary valve shaft needs to be turned approximately 1/4 turn). **Note: Machines previous to 2000 Models are done the opposite way as mentioned.**
- 7) With rotary valve shaft in proper position (field operating position) tighten setscrews on rotary valve shaft.
- 8) Lift wheel by hand, to make sure header goes up when wheel goes up.
- 9) You may need to adjust the needle valve above **Brand** valve for sensitivity of header height slower or faster.

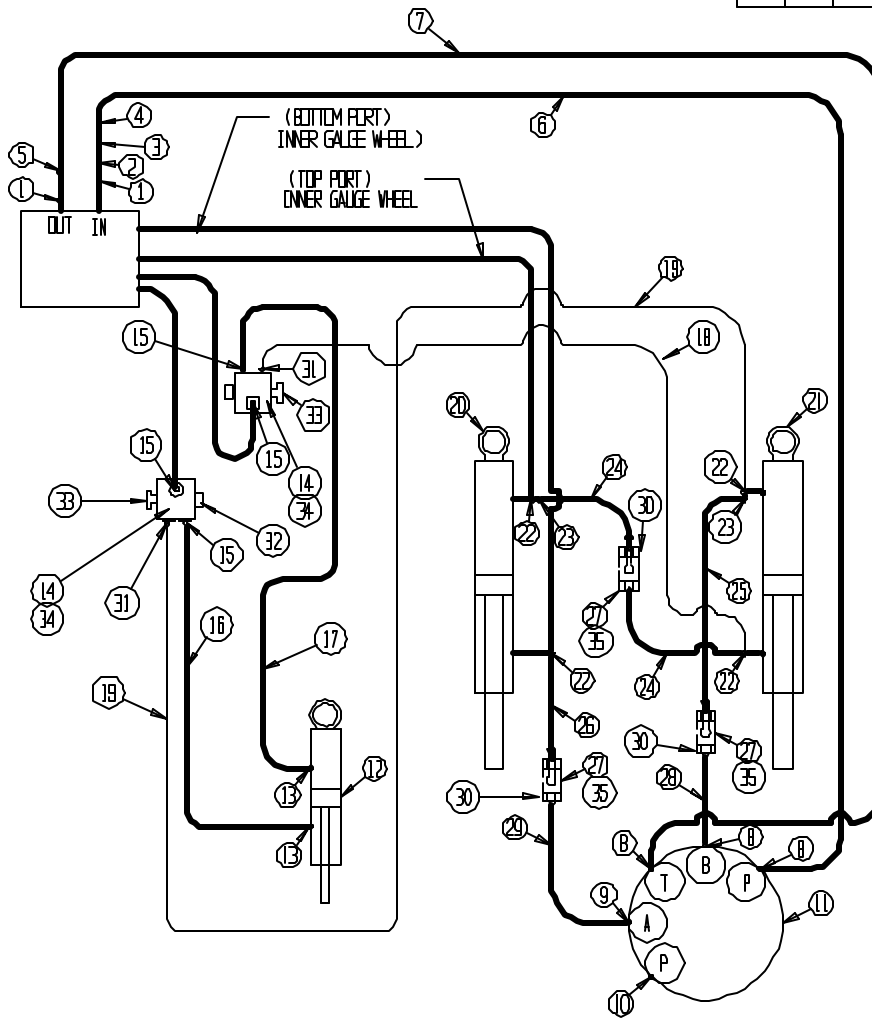
**Note:** The spoked wheel should run either between the rows or where the plants are thinnest. When on raised beds, the wheel should not run on the edge or close to any major elevation changes. If this happens, the wheel will sometimes run high and other times run low, which will not give the header a consistent height. A certain amount of side adjustment is built into our system; however, it may not fit into the crop or the beds you are harvesting. If this is the case you may need to alter the bracketing.

# Manual override of Header Height on Tomato Harvester

- 1) Shut off needle valve above **Brand** valve.
- 2) Turn the 3 shutoff valves to the **OFF** position and pull knob out on the 2 switching valves.
- 3) You will need to reset the speed adjusters on the **Brand** valve. For the outer gauge wheel this will allow for manual operation (from the control box) of the gauge wheels.



REV #	REV	DESCRIPTION	REV	DATE
-	-	-	-	-



AHHC "ON"

CADD/FILE/TEMP/AHHC ON

SEE DRAWING FOR ASSEMBLY LIST

DATE	1/25/88	PK	PK RITE INC.
REV	1	PK	100 PINEFIELD RD., LEWISBURG PA 17037
			PHONE: 717-523-8174 FAX: 717-523-8175
DESCRIPTION		TITLE	KIT-0079
SERIAL CONTROL	0079		AHHC HYD. SCHEMATIC
		FORM NO	
		RELEASE IN	1 YEAR
ISSUED			
REV	1		
DATE	1/25/88		
		PRINT NUMBER	0079