

Panzer Cultivator Model 3AC4BH

Instructions and Parts List

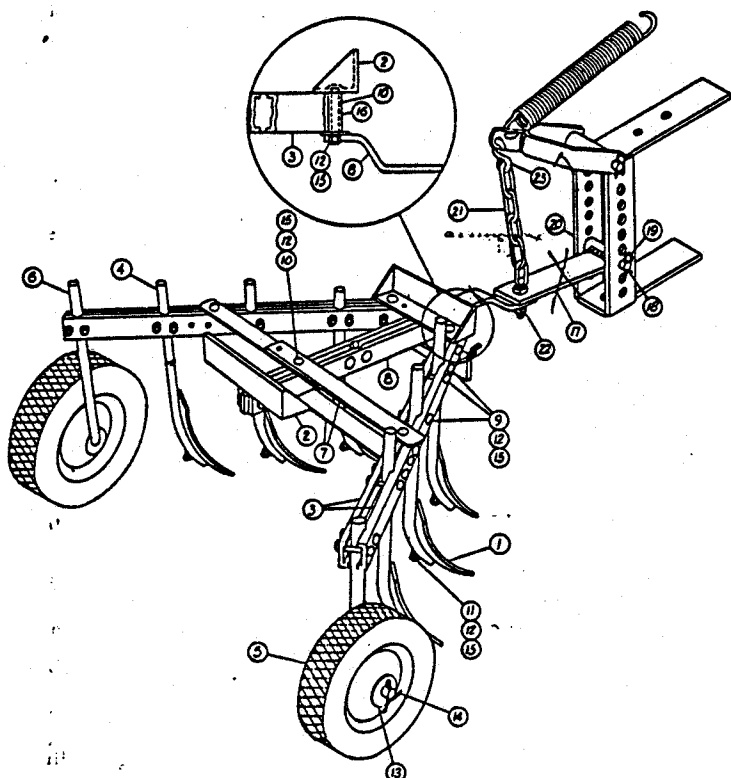
The Panzer Model 3AC4BH Cultivator is specially designed to fit your Panzer Tractor. It will cultivate straddle row when plants are quite small and between the rows when they grow taller. It is fully adjustable for depth and width and weight can be added by setting an 8" cinder block in the rack provided.

The Model 3AC4BH Cultivator will fit Panzer Tractor Models T65, T70, T70B, T707, and the electric starter versions of them. No additional accessories for attachment are required except for tractor model T65 which must be fitted with a model 2AC2 or 2AC2S rear lift.

PARTS LIST

Fig. No.	Part Number	Description	No. Req.
1	BB107	Shovel	7
2	C118	Weight Box Brackets	2
3	C120	Side Rail	4
4	C121	Shovel Standard	7
5	C123	Rubber Tired Wheel	2
6	C124	Wheel Standard Ass'y.	2
7	C127	Adjustable Arms	4
8	C131	Hitch Ass'y.	1
9	F133	Carriage Bolt 3/8 x 2"	23
10	F136	Carriage Bolt 3/8 x 2-3/4"	5
11	F441	Plow Bolt 3/8 x 1-1/4"	7
12	F498	Lock Washer 3/8"	35
13	F528	Flat Washer 1/2"	4
14	F541	Cotter Pin 1/8 x 1-1/4"	2
15	F556	Hex. Nut 3/8"	35
16	3AC4BH-16	Spacer Sleeve	2
17	TA15-1	Hitch Plate Weldment	1
18	TA15-2	Hitch Pin	1
19	TA15-3	Clip Pin	1
20	TA15-4	Cotter Pin (1/8 x 1)	1
21	TA15-5	Chain & Bolt Weldment	1
22	TA15-6	Hex. Nut (1/2-13)	2
23	TA15-7	S-Hook	1

When ordering parts give part number and name and also model number of attachment.



ASSEMBLING

- Unpack cultivator and assemble parts as shown in the diagram.
- Establish width desired by spreading or drawing in side bars (3) by means of adjustable arms (7) slide forward on center rail of beam and rearward on side rails.
- Install standards and wheels so that they point forward parallel to beam. Alternate arrangements for standard and wheel positions are noted below.
- Depth of shovels and wheels cannot be finally set until the cultivator is mounted on tractor, but a trial setting can be made so:
 - Set front 2 shovels (and center one if used so that 3 inches of standard sticks above rails).
 - Set middle 2 shovels so that 2-1/2 inches of standard is above rails.
 - Set rear shovels so that 2 inches of standard is above rails.
 - Set wheels so that bottom of wheel is 2 inches shallower (i.e. closer to rail bottom) than tip of front shovel.
- Depending on whether operating straddle or between the rows, the 7th standard included can be left out or inserted in center position.
- Wheels can be omitted if desired and the standards from the front position be set back in their place. Also wheel standards can be turned so wheels are inboard and trail more behind shovels so cultivating can be done closer to rows.

- Attach hitch 17 to cultivator beam with chain and bolt. Snug nut (22) up so that hitch can just be moved by hand and draw lock nut up to hold in place.

MOUNTING AND OPERATING

- Attach cultivator to tractor using 3rd hole from bottom of hitch for 1st trial and check depth of shovels and action of lift. With cultivator in down position (lift handle back) and tractor moving on soft ground, the gage wheels should be on ground, the rails and beam parallel to the ground, and the lift chain (21) slack. With cultivator up (lift hand forward) front shovels should clear the ground.
- If above not so, point of attachment and/or setting of standards should be adjusted to obtain. It is generally best to keep hitch point as low as possible and relative depth of shovels and wheels should be as noted under paragraph 4 of assembling.
- It will probably be found desirable to weight the cultivator with a cinder block if the soil is hard and/or rocky.
- Don't try to substitute the cultivator for a tiller or plow. It won't work hard soil.
- Cultivate frequently enough to keep all weeds from getting more than a few inches tall. Trash and big weeds wrap on the shovels and make operation impossible.
- Try various settings and arrangements of wheels and shovels, if action isn't what you want.
- Keep all bolts drawn up tight and inspect shovels and wheels occasionally while operating to see that they point straight forward. Rocks tend to knock them around.

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