Panzer Plow Model 1AC6 and Panzer Coulter Model CO2C Mounting and Operating Instructions

The 1AC6 is an 8" turning plow which under normal conditions will plow to a depth of 4". It will fit Panzer Tractor Models T60, T65, T70, T70B, and T707 and the ES versions of them. On models T60 and T65 a model 2AC2S rear lift with spring is required in addition to the plow. The lift is standard equipment on later models.

The CO2C Coulter fits the 1AC6 Plow. It is a circular disc or knife that attaches to the plow beam and cuts into the soil immediately ahead of the plow share. Its purpose is to cut thru weeds, trash, sod, etc. which would prevent the loosened mass of earth from being turned over by the plow bottom. A coulter should be used unless the ground is quite free of tough plant materials.

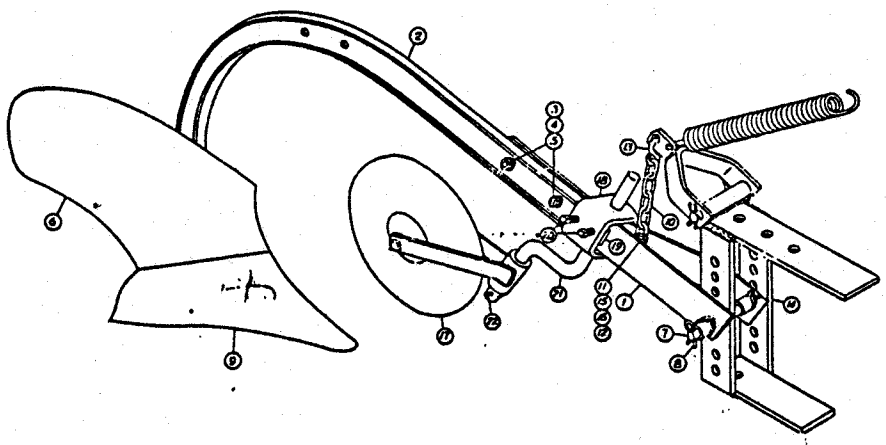
TO MOUNT PLOW

1. Place forward end of plow beam extension (1) so that the end of the straight extension arm is on the outside of the right hand vertical plate of tractor drawbar and the bent extension arm is on the inside of the left hand vertical plate of tractor drawbar. Line up tubes in end of extension arms with the third hole from the bottom in the vertical side plates of the tractor drawbar. Insert mounting pin (7) and secure with clip pin (8).

2. Pull lift lever on tractor all the way to the rear and while lifting plow clear of the ground connect S hook (13) into the hole in lift arm as shown. With the lift handle all the way back the plow tip should hang several inches above the ground.

TO MOUNT COULTER

Place coulter clamp (18) around plow beam extension arm just in front of end of curved beam and insert coulter shank (21) up thru holes in coulter clamp with plow arm between coulter shank and clamp bolts. Adjust coulter so that it will trail directly in front of and about 1/2 to 1" away from the sharp forward edge of the plow share and so it will cut into the earth far enough to sever all weeds, grass, roots, etc. which would otherwise hinder the turning over of the sod.



INSTALLATION OF 1AC6 PLOW & CO2C COULTER
PANZER PRODUCTS, INC.
WAYNESBORO, VIRGINIA
JAN. 2, 1962 DWN. BY-CEH.

Fig. No.	Part No.	Name
		1AC6 PLOW
1	1AC5-1	Beam Extension
2	1AC5-2	Beam
3	1AC5-4	Hex. Cap Screw (1/2-20 x 2)
4	1AC5-5	Lockwasher (1/2 split)
5	1AC5-6	Hex. Nut (1/2-20)
6	1AC5-7	Plow Bottom
7	1AC5-11	Mounting Rod
8	1AC5-12	Clip Pin
9	1AC5-13	Plow Share
10	1AC5-14	Lift Chain
11	1AC5-15	Hex. Cap Screw (3/8-24 x 1 1/4)
12	1AC5-16	Hex. Nut (3/8-24)
13	1AC5-17	S-Hook
14	1AC5-22	Cotter Pin (1/8 x 1)
15	1AC5-23	Lockwasher (3/8 Ext. #1120)
16	1AC5-24	Washer (3/8 flat)
		CO2C COULTER
17	CO2C-1	Coulter
18	CO2C-2	U-Plate
19	CO2C-3	Plate
20	CO2C-4	Set Screw (1/2-13 x 1 1/4 Sq. Hd.)
21	CO2C-5	Shank
22	CO2C-6	Cotter Pin (3/16 D. x 1 1/2)

OPERATING THE PLOW AND COULTER

Plowing with any turning plow is somewhat of an art and plowing with a small tractor and plow is even more so. Type of soil, moisture content of soil, amount of organic cover on top or roots in soil, operator experience and probably other factors have a decided influence on whether the plow will do a good job, or, in fact, plow at all.

1. If soil conditions are right, the plow will dig itself in when it is lowered into contact with the ground and the tractor is driven forward. On the first furrow the plow will not go in to full depth. On the 2nd and subsequent furrows run the right side wheels of the tractor in furrow and the plow will cut to its normal full depth of 4".

2. Changing the hitch point at tractor by moving plow beam to a lower hole in the tractor hitch will make the plow dig deeper; raising it will reduce depth. The lift chain length may need to be changed simultaneously so that a) chain is slack when plow is at full depth in ground b) plow will lift clear of the ground when lift lever is moved forward to limit.

3. The plowing pattern should be selected to give minimum back tracking and turning. Small rectangular plots are best plowed in straight lines lifting plow at end and going to opposite side to blow back. Pattern should be reversed at next season's plowing to avoid moving soil always in same direction which will eventually result in a hole at starting furrow and a ridge at final furrow. In larger fields plowing can be in a continuous path with rounded corners which the plow will follow around, or the plow can be lifted at each corner and the tractor turned and backed to give a sharp corner to the furrow.

4. It may be helpful to use the left wheel brake to resist side draft of plow, particularly when making the first furrow. Additional weight on front of tractor may be helpful too. A Panzer Model 4AC4 front box is ideal for this. Keep right wheels against wall of previously cut furrow.

5. Soil conditions must be right or plowing can't be done. Too much moisture in the soil will cause compacting into hard lumps. Too little makes the soil so hard the plow won't enter nor the tractor pull it if it does. Judge the soil on the basis of how it spades. If you can't spade it and get a good job don't expect to plow it.