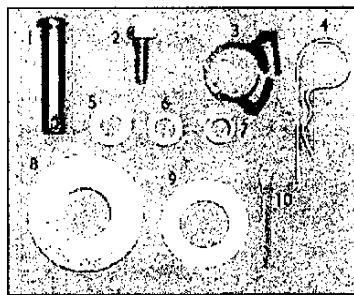


Assembly Instructions

Assembly Hardware

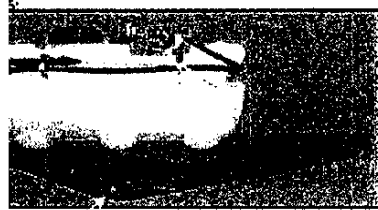
Tools needed for assembly:

- Two 1/2" wrenches
- 1 pair Channel Lock Pliers
- 1 pair Needle Nose Pliers



Ref. No.	Part No.	Part Description	Hardware Sack Qty.
1	1840	1/2" x 1-3/4" Clevis Pin	1
2	1248	5/16" x 3/4" Hex Head Bolt	6
3	3716	1/2" Plastic Hose Clamp	1
4	1042	#14 Hitch Pin Clip	1
5	1044	5/16" Flat Washer	6
6	1276	5/16" Lock Washer	6
7	1275	5/16" Hex Head Nut	6
8	13739	3/4" In Diam. x 2" Flat Washer	4
9	1264	3/4" Flat Washer	2
10	1262	1/8" x 1-1/4" Cotter Pin	2

STEP 1 Insert Axle through Axle Slot on Cart Body. Once the Axle is through the hole, slide on one 3/4" x 2" Flat Washer(8) then the Axle Spacer(46), then slide the Axle through to the end of the Axle Spacer. Add another 3/4" x 2" Flat Washer (inside of the Sprayer Cart body) and push the Axle through the other hole on the Cart Body. Once the Axle is through the second hole, slide on a 3/4" ID x 2" Flat Washer(8), (Fig.2). Now slide on a wheel followed by a 3/4" Flat Washer(9) and then secure with a Cotter Pin(10). Repeat this for both Wheels. Use Needle Nose Pliers to bend back ends of the Cotter Pin,(Fig.3). Repeat for other side. Using 5/16" x 3/4" Hex Head Bolts(2), 5/16" Flat Washers(6), 5/16" Lock Washers(7), and 5/16" Hex Head Nuts(8) attach Clevis, (44), (on topside of Cart Body) to the Cart Body (Fig. 4). Tighten Bolts with 1/2" wrenches. Insert Clevis Pin(1) through Clevis and secure with #14 Hitch Pin Clip(3) underneath Cart Body.



Axle Slot

Fig. 2

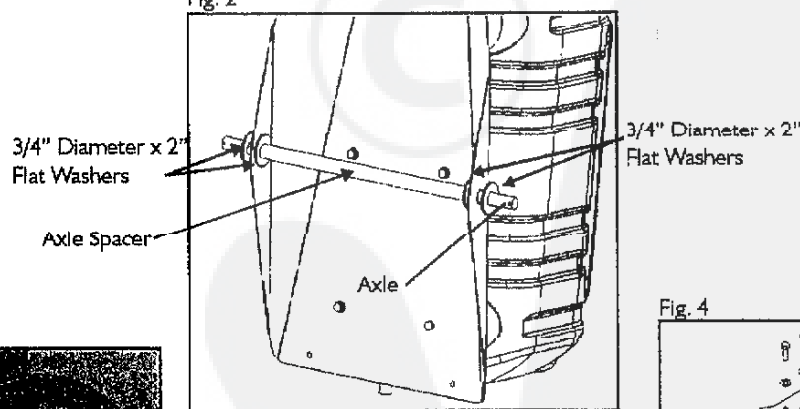


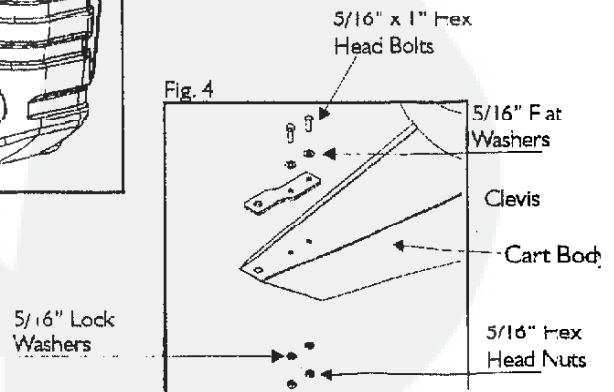
Fig. 3



Cotter Pin

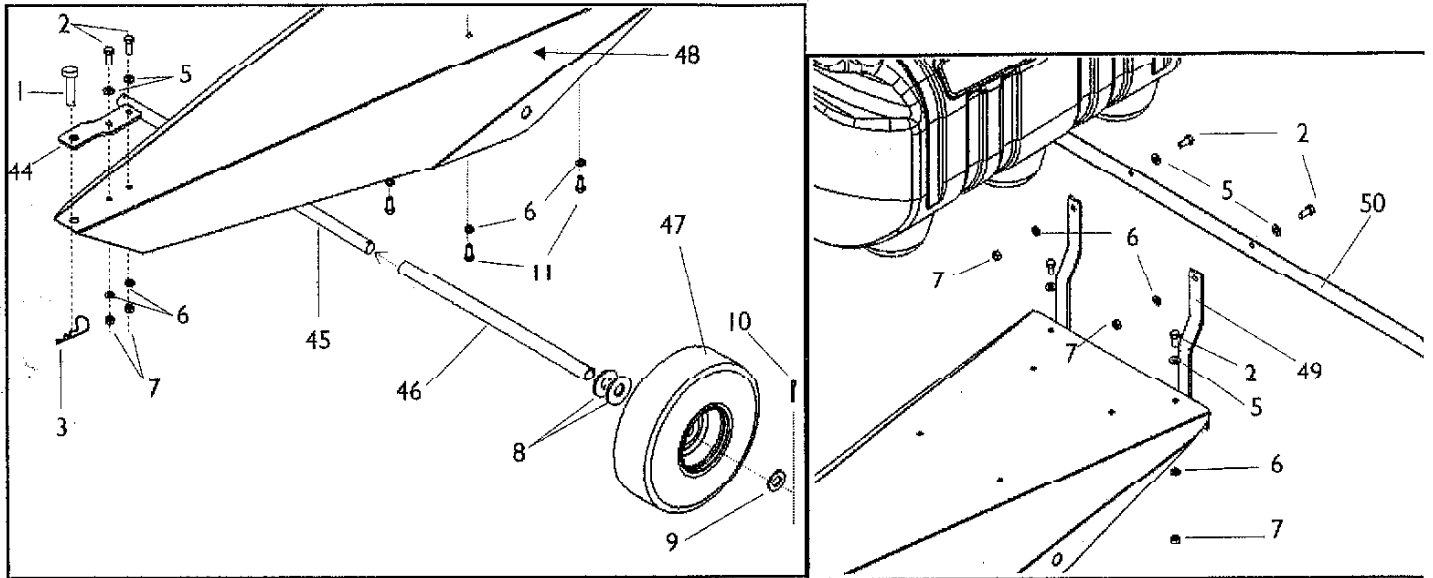
3/4" Flat Washer

Fig. 4



5/16" Lock Washers

Cart Body Assembly Parts



Ref.	Part Description	Part Number	Qty.	Ref.	Part Description	Part Number	Qty.
1	1/2" x 1-3/4" Clevis Pin	1840	1	44	Clevis	1243P	1
2	5/16" x 3/4" Hex Head Bolt	1248	6	45	Axle	3769	1
4	#14 Hitch Pin Clip	1042	1	46	Axle Spacer	3767	1
5	5/16" Flat Washer	1044	6	47	8" Pneumatic Wheel for TCT	3768	2
6	5/16" Lock Washer	1276	6	48	TCT Cart Body	3740R	1
7	5/16" Hex Head Nuts	1275	6	49	Boom Mount	3766R	1
8	3/4" Diameter x 2" Flat Washer	3739	4	50	Boom Arm Assy	3705	1
9	3/4" Flat Washer	1264	2	**Part quantities includes pieces assembled at factory and those in hardware sack.			
10	1/8" x 1-1/4" Cotter Pin	1262	2				
11	5/16" x 1/2" Hex Head Bolt	1249	4				

PLEASE DO NOT RETURN THIS MERCHANDISE TO THE STORE. CALL US AND WE WILL TAKE CARE OF ANY PROBLEM YOU MIGHT HAVE WITH THIS PRODUCT. Phone (800) 225 - 5891 EXT. #204

The electric pump on this model has its own warranty. Precision Products, Inc. does not carry a warranty on the pump. Please refer to the parts list and operation manual for the pump included with this model.

Customer Service

When ordering parts, always give model number, part description, & part number.

Send To: Precision Products, Inc.
Parts Division
316 Limit Street
Lincoln, IL 62656

Phone (217)735-1590
Fax (217)735-2435

or visit us on the world wide web :www.precisionprodinc.com

LIMITED WARRANTY

This unit is warranted against defects in materials and workmanship to the original purchaser, under normal use and service, for a period of ninety (90) days from date of sale. During the Warranty Period, we will repair or replace at our option free of charge to the original purchaser, any part of the Unit that our examination shows to be defective in workmanship or materials. This Warranty **Does Not** apply to damage caused by misuse, abuse, neglect, accident, normal wear, or alterations by unauthorized persons.

PRECISION PRODUCTS, INC.

Sprayer Calibration

Proper calibration is probably the most important part of spraying. Properly calibrated sprayers will save you money and grief.

FOR EXAMPLE: How to determine the gallons per minute (per nozzle).

$$\text{GPM} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5940}$$

(PER NOZZLE)

GPM - Gallons Per Minute

GPA - Gallons Per Acre

MPH - Miles Per Hour

W - Nozzle spacing (in boom spraying)

This formula is useful to determine which tip to use on your boom, especially when your nozzle spacing is different from the standard 20" or 40" nozzle spacing on Precision Products, Inc. Sprayers.

For example: You know you want to travel 5 MPH. You want to apply your chemical at a rate of 20 GPA, and your nozzle spacings are 33" on center. By using the formula you will determine how many gallons per minute (GPM) per tip will be required to give you the correct application.

$$20 \text{ GPA} \times 5 \text{ MPH} = 100 \times 33" \text{ (nozzle spacing)} = 3300$$

now divide 3300 by 5940 - .556 GPM

You have now determined that you need a tip with GPM of .556. Now find the type of tip you want to use. For example, maybe an 80-degree flat fan spray tip and then determine what pressure you plan to spray at. Let's say 30 PSI. How do you check this calibration? By using this formula.

$$\text{GPA} = \frac{5940 \times \text{GPM (PER NOZZLE)}}{\text{MPH} \times \text{W}}$$

Multiply $5940 \times .52 \text{ GPM} = 3088.8$. Now multiply $5 \text{ MPH} \times 33 \text{ (nozzle spacing)} = 165$, then divide $3088.8 \div 165 = 19.08$ gallons per acre.

By simply adjusting your pressure or your tractor speed you will obtain the 20 GPA rate.

This second formula is useful to determine whether an old tip (one on which you cannot identify the number) is still spraying the right amount of chemicals. How do you determine how many GPM a tip is spraying? With the use of a catch jar and a stop watch. Hold the catch jar under the tip so you catch the total spray and time for one minute. The amount in the jar indicates the GPM.

Calibrate your sprayer carefully. If your tips are worn, replace them. New tips are a fraction of the cost compared to the cost of chemicals and crop damage caused by too little or too much chemical being applied. Also use these formulas to help determine if the pump intended to be used has the volume capacity to meet your spraying needs.

Precision Products, Inc.