

NAME: ROTARY PLOW

PART NUMBER(S): 22161

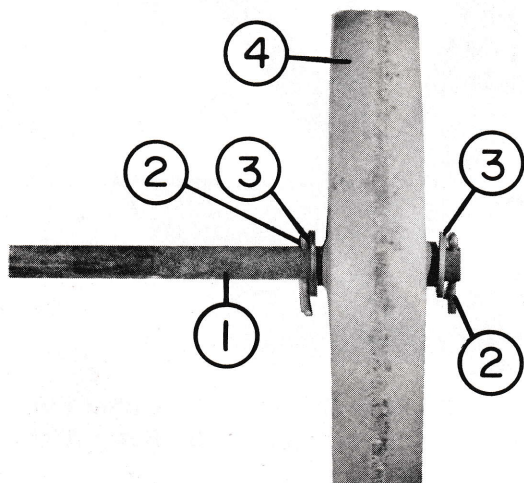
These Set-Up Instructions give the procedure for assembling the Rotary Plow. All reference to right side, left side, front and rear are given from the operator's position. Tighten the bolts used to assemble the Rotary Plow to the torque given in the Bolt Torque Specifications, unless shown differently.

BOLT SIZE	BOLT TORQUE SPECIFICATIONS	
	FOOT POUNDS (ft. lbs.)	NEWTON METERS (N.m)
1/4"	7	9.5
5/16"	14	19
3/8"	25	34
7/16"	40	54
1/2"	60	82
9/16"	83	113
5/8"	120	163
3/4"	200	271

1.0 ASSEMBLY PROCEDURES FOR THE DEPTH WHEEL

This section gives the procedure for assembling the Depth Wheels.

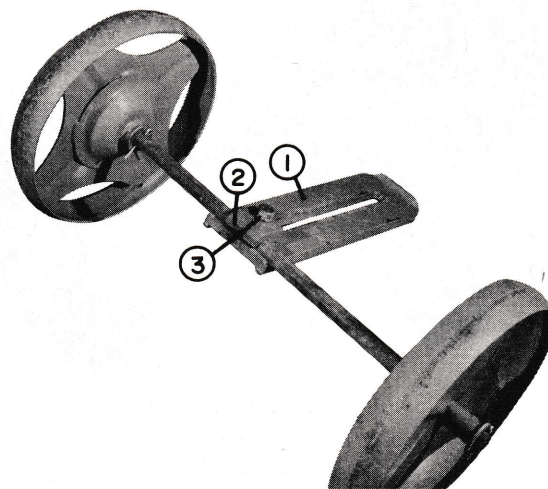
1. Put the wheels on the axle with the hub to the outside as shown in figure 1.0-1.



- 1 - Axle
- 2 - Cotter Pins
- 3 - Washers
- 4 - Wheel

Figure 1.0-1

1. Fasten the Wheel Bracket and Axle Clamp to the Axle with the 1/2" x 1-1/2" Bolt and lock washer as shown in figure 1.0-2.

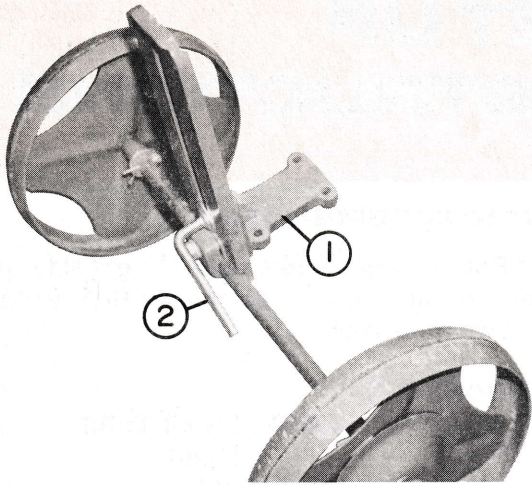


- 1 - Wheel Bracket
- 2 - Axle Clamp
- 3 - Bolt

Figure 1.0-2

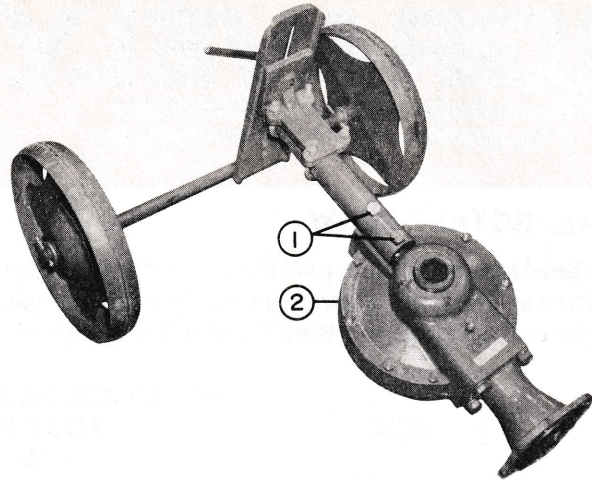
3. Fasten the Wheel Bracket Swivel to the Wheel Bracket with the flat washer and the Wheel Bracket Clamp Screw as shown in figure 1.0-3.

To continue its program of quality and design improvement, the manufacturer reserves the right to change specifications, designs and prices without notice and incurring obligation.



1 - Wheel Bracket Swivel
2 - Wheel Bracket Clamp Screw

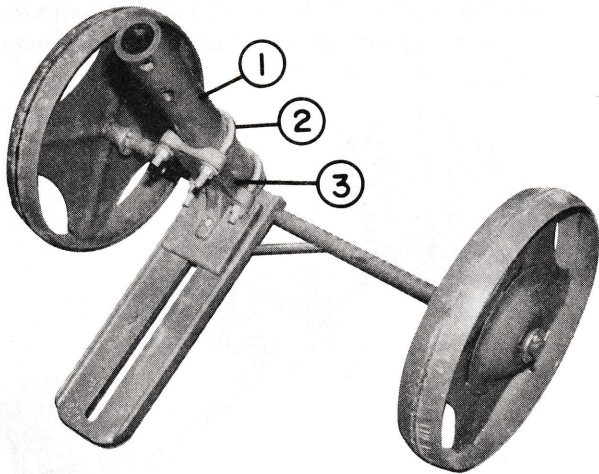
Figure 1.0-3



1 - Bolts
2 - Plow Drive

Figure 1.0-5

4. Fasten the Support Tube to the Bracket Swivel with the two "U" Bolts and 3/8" nuts as shown in figure 1.0-4. Loosen the nuts on the "U" Bolts until the Support Tube can be rotated on the Bracket Swivel.



1 - Support Tube
2 - "U" Bolts
3 - Bracket Swivel

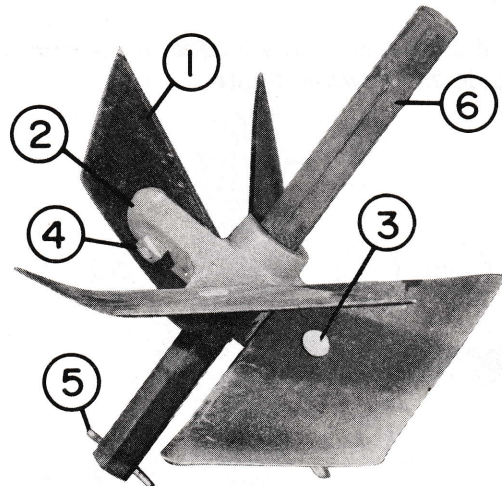
Figure 1.0-4

5. Fasten the Support Tube to the Plow Drive with the 1/2" x 2-3/4" Bolts as shown in figure 1.0-5.

2.0 ASSEMBLY PROCEDURES FOR THE PLOW BLADES

This section gives the procedure for assembling the Plow Blades.

1. Fasten the Plow Blades to the Rotor Hub with the 1/2" x 1-1/2" Plow Bolts and 1/2" Square Nuts as shown in figure 2.0-1.

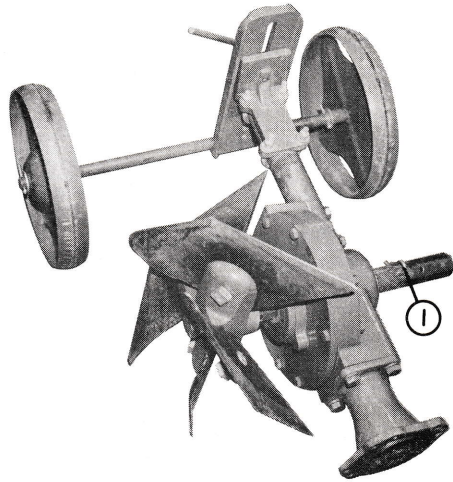


1 - Plow Blade 3 - Plow Bolt 5 - Cotter Pin
2 - Rotor Hub 4 - Square Nut 6 - Rotor Axle

Figure 2.0-1

2. Put the 1/4" x 2" Cotter Pin in the Rotor Axle at the end with only one hole and put the Rotor Axle through the Rotor Hub as shown in figure 2.0-1.

- Put the Rotor Axle through the hole in the Plow Drive from the bottom as shown in figure 2.0-2. Put the Depth Adjusting Pin in the third hole from the end of the Rotor Axle.



1 - Depth Adjusting Pin

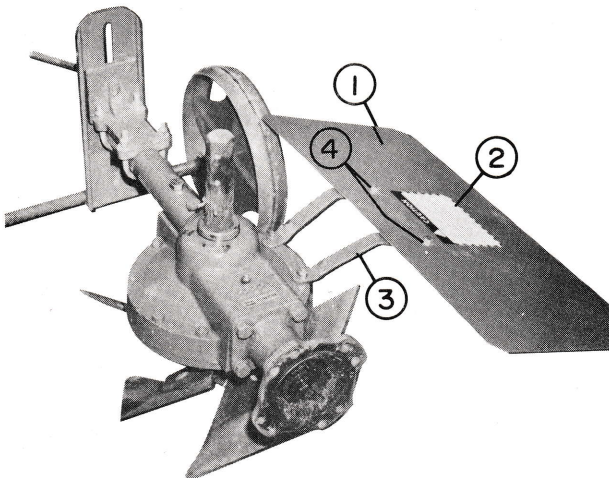
Figure 2.0-2

- Remove the nuts from the two bolts on the right side of the Plow Drive. Put the Shield Supports on the bolts and fasten with the nuts that were removed as shown in figure 3.0-1.

3.0 ASSEMBLY PROCEDURES FOR THE DIRT SHIELD

This section gives the procedure for assembling the Dirt Shield.

- Fasten the end of the Shield Support that has the slot to the bottom of the Dirt Shield with the 3/8" x 3/4" Bolts, washers and 3/8" nuts as shown in figure 3.0-1. The Caution Decal is on the top of the Dirt Shield.



- 1 - Dirt Shield
- 2 - Caution Decal
- 3 - Shield Supports
- 4 - Bolts

Figure 3.0-1

