PC83—7 (d)
REV. 7—06

ASSEMBLY AND OPERATION INSTRUCTIONS

# OWNER'S MANUAL

## VEGETABLE DRILLS, SEEDERS, TOOL BARS, AND ATTACHMENTS

Hand Seeder

LIMITED WARRANTY: Cole Planter Company offers a limited warranty on products it manufactures.

NOTICE: Cole Planter Company reserves the right to discontinue models at any time or change specifications, design or prices without notice and without incurring obligation.

COLE PLANTER COMPANY
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# SAFETY PROCEDURES

This safety-alert symbol indentifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read and follow the message that follows.

1. Lower the unit when adjusting it or doing maintenance work.

2. Always lower the unit from the transport position before detaching it from the tractor.

3. The implement should be operated by only those responsible and delegated to do so. Only one person should be on the tractor during operation: the operator. Do not allow anyone to ride on the implement.

4. Keep hands and loose clothing away from the moving parts when the implement is in operation.

5. Make sure that everyone is clear before starting the machine. Take special care of row markers.

6. Do not drive too fast on curves and hillsides or too close to ditches and creeks.

7. Do not try to operate the tractor unless you are in the driver's seat. Do not dismount while the tractor is in motion.

8. Check clearence before driving a planting unit under electric lines, bridges, or into buildings.

9. Comply with state and local laws when moving machinery on the highway. Use approved lights or warning devices.

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SECTION 1: Operation of Ground-Driven Drills
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# SECTION 1
# ASSEMBLY AND OPERATION OF GROUND-DRIVEN DRILLS

**B91-92B Vegetable Drill with Floating Hitch**
**B71-35B Vegetable Drill**
**B73-09B Hand Seeder**

**A. PREPARE FOR OPERATION: B91-92B and B71-35B Vegetable Drills**

Remove the two additional seed plates and other loose parts packed in the seed hopper. Go over all the bolts on the drill to make sure they are tight. Mount the drill to the tool bar or carrier. If you are using one of Powell's hitches or tool bar carriers, refer to Section 3 for instructions on assembly.

**B. ASSEMBLY OF B73-09B HAND SEEDER**

The B73-09B hand seeder comes in two parts: a carton containing the drill and other pieces, and the handle package including a right and left handle. The carton contains the following pieces: the assembled drill, row marker arm, the row marker weight, 3 seed plates, and envelope of bolts, the seed shutoff rod, the row marker cord, and wooden handle round.

**ASSEMBLY HANDLES.**

Position the wooden handle round between the right and left handles as shown in Figure 1. Mount the end of the handles to the planter frame at the position shown, using two 3/8" x 1 1/2" carriage bolts.

NOTE: Each handle is beveled on the end. The bevel should be turned to the inside when mounted.

Attach the handles to the handle braces using the 1/4" x 1 1/2" carriage bolts. Adjust the handles to the proper height and tighten all bolts. On the right handle, install the eye bolt in the hole provided. On the left handle, install the J-bolt as shown. Refer to assembly drawing page 10.

**MOUNT ROW MARKER.**

Attach the row marker to the marker arm using the clamp halves, 1/4" to 1 3/4" carriage bolt and wing nut. Refer again to Figure 1. Mount the row marker arm to the bracket over the wheel using the flat washer, spring and 1/8" x 1" cotter pin. Place flat washer next to the cotter pin. Knot one end of the cord to the clamp on the row marker. Tie the other end around the wooden handle round.

**INSTALL THE SEED SHUTOFF ROD.**

Insert the seed shutoff rod through the eyebolt on the right handle. Hook the end through the seed shutoff lever at the hopper. Refer to Figure 1.

After the drill has been fully assembled, go over all the bolts to make sure that they are tight.

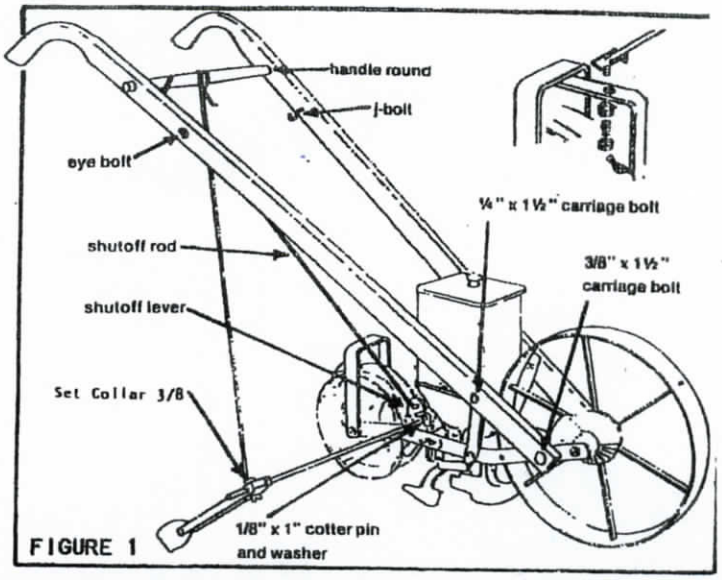


FIGURE 1

**C. OPERATION OF GROUND-DRIVEN DRILLS**

**1. SEED SHUTOFF**

All ground-driven drills are provided with a seed shutoff lever located on the right side of the hopper When the lever is pushed forward, the seeder is open; when pulled back, it is closed. See Figure 2.

Models with the floating bracket automatically shutoff when the planting unit is raised.

The seed shutoff on the hand seeder is operated by means of the seed shutoff rod. When starting on the row, push the seed shutoff rod forward to open the shutoff mechanisms. When stopping at the end of the row, pull back toward you to close off the mechanism.

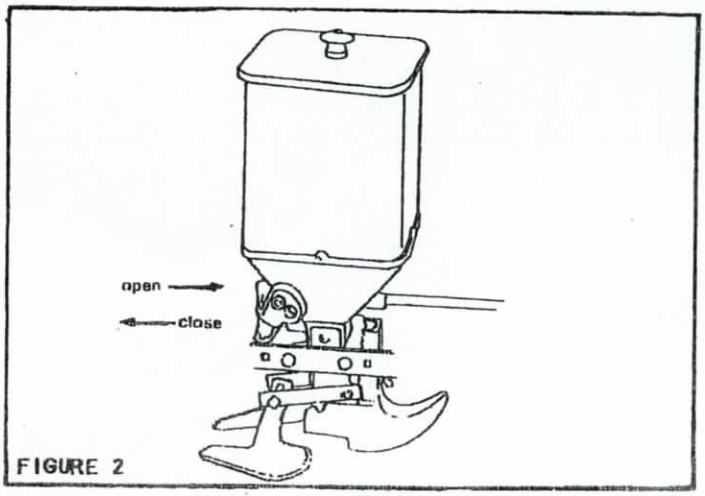


FIGURE 2

**2. ROW MARKER ON HAND SEEDERS**

The row marker has been designed so the it can be used in light or heavy soil with equally satisfactory results. Where the soil is heavy or where a deep mark is required, use the marker as you received it.

Where the soil is light, open the marker by removing the bolt and remove the inner cast weight from bewteen the two marker halves. See Figure 3. Replace the two marker halves together.

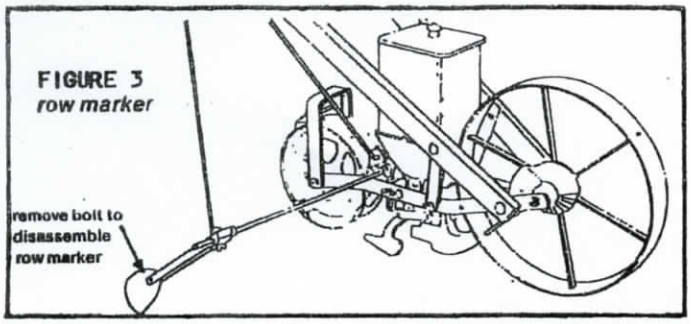



FIGURE 3
*row marker*

**3. COVER STOP PIECE**

If it is desired to limit the amount of float of the coverer, adjust the coverer stop piece located on the left side of the planter frame. Loosen the bolt and slide the slotted steel piece either up or down as desired. See Figure 4.

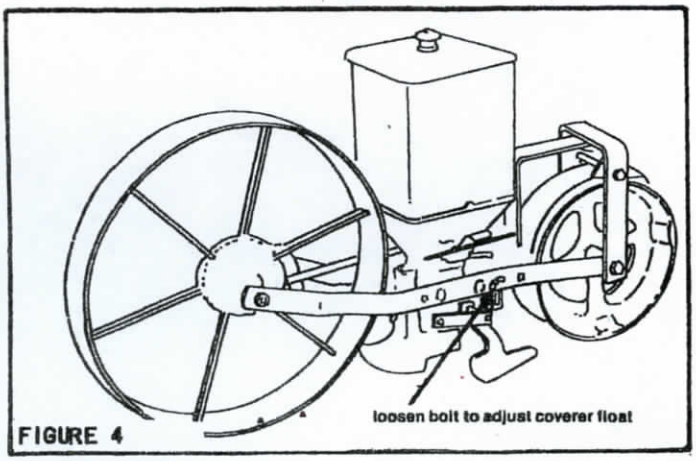



FIGURE 4

**4. SEED PLATES**

Three seed plates are furnished with every drill. Each plate has 13 holes or adjustments. The plate with the smallest holes, no. P00-5458, is shipped in place in the drill with no. 1 hole (smallest) in position. The other plates, no. P00-5459 with holes 14-26 and no. P00-5460 with holes 27-39 are shipped in the hopper lid.

**TO DETERMINE THE CORRECT USED PLATE HOLE TO USE:**

Refer to the chart for a list of commonly used seed. To the right of the seed will be the average number of seed sown to the foot, accompanied by the numbered hole that will sow that quantity of seed. This chart should be used only as a guide. Seeds of the same variety vary greatly in size, so you will need to test the drill with the seed that you intend to use.

From the chart, determine the hole for sowing the seed you desire. Set the seed plate with the hole indicated in position to sow. Place enough seed in the hopper to cover the feed wheel. Turn the front wheel so the rim travels about one foot. Check the amount of seeds dropped for proper distribution. More or less seed per foot may be achieved by moving the plate to a larger or smaller hole as required. As you find the correct hole for various seeds, make a note enabling you to set the seed plate quickly when planting the same seeds at a later date.

SEED PLATE SETTINGS

| SEED | HOLE NO. | SEED PER FOOT |
|---|---|---|
| beans | 38 | 6 |
| beet | 22 | 22 |
| cabbage | 5 | 31 |
| carrot | 8 | 29 |
| celery | 3 | 75 |
| cotton (delinted) | 32 | 12 |
| kale | 4 | 16 |
| kohl rabi | 6 | 19 |
| lettuce | 12 | 36 |
| onion | 8 | 15 |
| peas | 38 | 15 |
| parsnip | 29 | 27 |
| radish | 13 | 28 |
| salsify | 35 | 13 |
| spinach | 12 | 10 |
| turnip | 1. | 18 |

Table is a guide only.
Determine correct hole by testing.

**TO CHANGE HOLES ON A SEED PLATE:**

Refer to Figure 5 on page 5.

a. Loosen the cam slightly by moving the handle approximately 1" (25mm) toward the front of the seeder.
b. Lift the flat spring until the pin is disengaged with the hole in the seed plate. (Do not pull this spring out.)
c. Revolve the seed plate until the stamped number of the hole you wish to use comes opposite the pin in the flat spring.
d. Tighten the cam by moving the handle toward the rear of the seeder.

**TO CHANGE TO ANOTHER SEED PLATE:**

a. Loosen the cam by moving the handle toward the front of the drill.
b. Lift and pull out the flat spring.
c. Remove the cam and seed plate.
d. The hopper may be entirely removed, if desired. Lift the hopper upward and to the rear until it is free of the spout.
e. Replace the hopper. Place the end of the drive shaft in the bearing hole of the front wheel cover. Lower the hopper in place and push forward. See that the hopper is hooked on the pin on the right side of the spout.

f. Insert the desired seed plate in position. Make sure the stamped numbers are on the upper side of the plate.
g. Re-insert the cam.
h. Replace the flat spring, making sure the pin is inserted in the index hole of the seed plate.
i. Tighten the cam by turning the handle toward the rear of the drill.

NOTE: If difficulty is experienced in putting the cam back when changing seed plates, clean out all dirt that has lodged where the plate comes in contact with the seed opener in the bottom of the hopper.

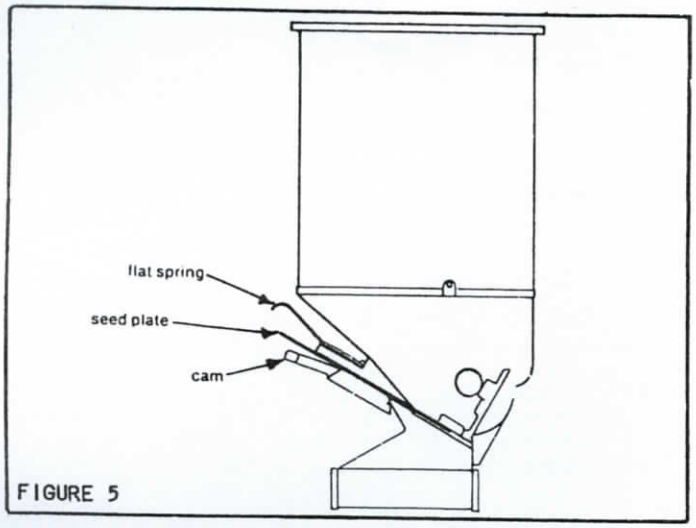


FIGURE 5

**5. ADJUST OPENING PLOW.**

The opening plow standard on ground-driven drills is the BOK-712 general purpose plow. The plow has a planting range of 0"-1 1/2" (0-38mm) deep. Other plows are available for various field conditions. See the list.

There are nine notches, 3/16" (5mm) apart, on the plow for depth adjustment. the first notch holds the plow above ground for shipping and transporting. The planting depth depends on a number of factors: kind of seed, time of year, moisture available, preparation of seedbed, etc. You should consider all factors before setting the plow. To adjust the plow, loosen the wing nut and slide the plow to the correct position. Tighten the wing nut with a pair of pliers. See Figure 6.

When starting to plant, check the planting depth by digging down the row until the seeds are located. It is better to make the necessary change at the start than to plant the entire field incorrectly.

Plows sometime wear rapidly due to the grinding effect of sand in the soil. They should be inspected occasionally and set deeper as wear occurs. When it is necessary to replace one plow on a multi-row unit, replace plows on all drills.

**OTHER PLOWS AVAILABLE ARE:**

BOK-812: deep general purpose shoe for planting 1"-2 1/2" (25-63mm) deep.
BOK-762: shallow upland shoe for planting 0"-1 1/2" (0-38mm) deep in hard soil.
BOK-798: deep upland shoe for planting 1"-2 1/2" (25-63mm) deep in hard soil.
BOK-783: 2" wide scatter shoe for planting 0"-1 1/2" (0-38mm) deep.
BOK-769: 4" wide scatter shoe for planting 0"-1 1/2" (0-38mm) deep.
ALSO AVAILABLE: B10-039x narrow brush feed wheel for handling delicate seeds.

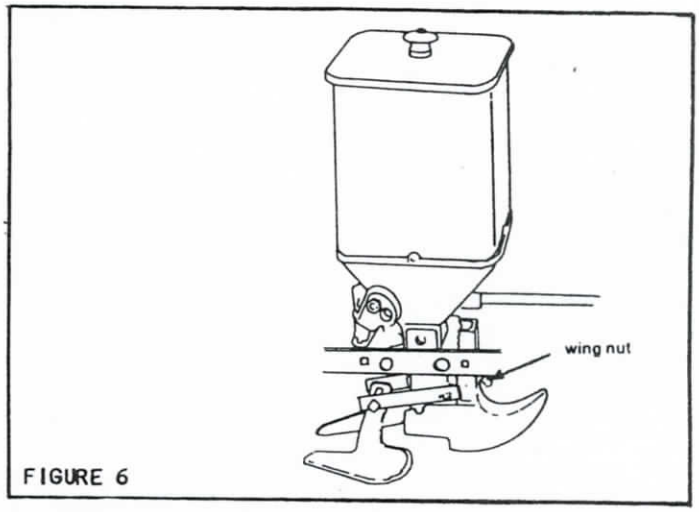


FIGURE 6

**6. PINION DRIVE GEAR INSTALLATION.**

Install Pinion Drive Gear with Set Screws on drive shaft. Engage the pinion drive gear with the gear on the drive wheel. Tighten the set screws. Spin the wheel to make sure the gears mesh properly and the wheel spins freely. If the gears do not mesh properly, loosen the set screws and readjust.

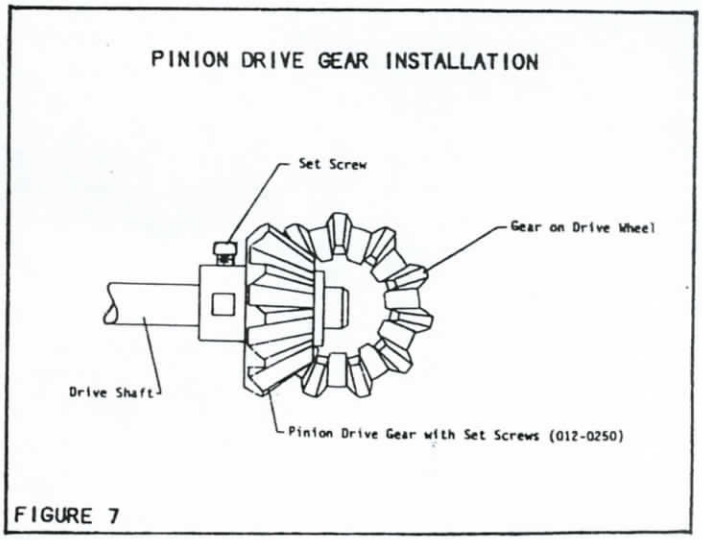


FIGURE 7

# SECTION 2
# ASSEMBLY AND OPERATION OF CHAIN-DRIVEN HOPPERS

**MODEL 810-781X SINGLE SPOUT HOPPER**
**MODEL 881-97X DOUBLE SPOUT HOPPER**

## A. ASSEMBLY OF CHAIN-DRIVEN HOPPERS

The hopper carton contains the following: the hopper lid, the assembled hopper, three seed plates, the hopper plate and shutoff, the spout assembly, and a bag containing two sprockets, a spring, bolts, and harware.

**1. MOUNT HOPPER PLATE IMPLEMENT.**

Refer to Figure 8. Mount the hopper plate to the implement or carrier using the two 3/8" x 1 1/4" carriage bolts and tapered washers.

**2. MOUNT HOPPER AND SPOUTS TO HOPPER PLATE.**

Remove the 1/4" x 1" carriage bolt from the hopper base. Position the hopper on the hopper plate and hold the spout assembly under the plate. Bolt these assemblies together using two 1/4" x 1 1/2" Hex Hd Bolts through the hopper, hopper plate, and spout assembly. Refer to Figure 8.

**3. ATTACH THE 8-POINT SPROCKET.**

Attach the 8-point sprocket to the drive shaft on either side of the hopper as desired, using the 1/8" x 1 1/4" cotter pin.

A 10-point split sprocket with a set of shims is provided to attach to your drive mechanism.

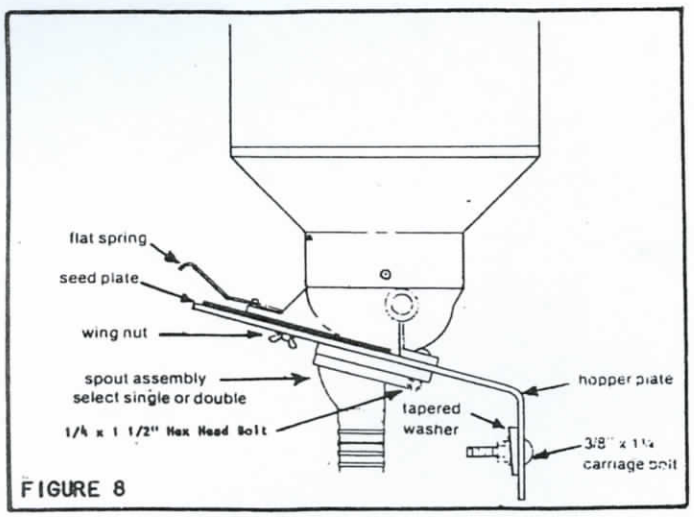


FIGURE 8

## B. SEED PLATES

Chain-driven hoppers are provided with a shut-off plate. When the plate is pushed in, the seed flow is cut off. When the plate is pulled out, the hopper is open.

## C. SEED PLATES

Three seed plates are furnished with each hopper. Single spout plates have 13 adjustments and holes per plate. Double spout plates have a total of 36 adjustments and pairs of holes for all 3 plates.

**TO DETERMINE THE CORRECT SEED PLATE HOLE TO USE:**

Refer to the chart below for a table of commonly used seed. To the right of the seed name will be the average number of seed sown to the foot per row, accompanied by the numbered hole that will sow that quantity of seed. This chart should be used only as a guide. Seeds of the same variety vary greatly in size, so you will need to test the hopper with the seed you intend to use.

From the chart, determine the suggested hole for sowing the seed you have. Set seed plate with the hole indicated in position to sow. Place enough seed in the hopper to cover the feed wheel. Check the amount of seeds dropped for proper distribution. More or less seeds per foot may be achieved by moving the plate to a larger or smaller hole as required. As you find the correct hole for various seeds, make a note of the hole number enabling you to set the seed plate quickly when planting the same seeds later. When the correct hole has been found on one hopper, all the hoppers on the unit may be set to the same hole with the same results.

SEED PLATE SETTINGS

| SEED | HOLE NO. | SEED PER FOOT |
|---|---|---|
| beans | 38 | 6 |
| beet | 22 | 22 |
| cabbage | 5 | 31 |
| carrot | 8 | 29 |
| celery | 3 | 75 |
| cotton (delinted) | 32 | 12 |
| kale | 4 | 16 |
| kohl rabi | 6 | 19 |
| lettuce | 12 | 36 |
| onion | 8 | 15 |
| peas | 38 | 15 |
| parsnip | 29 | 27 |
| radish | 13 | 28 |
| salsify | 35 | 13 |
| spinach | 12 | 10 |
| turnip | 1 | 18 |

Table is a guide only.
Determine correct hole by testing.

**TO CHANGE HOLES ON A SEED PLATE:**

Refer to Figure 9.

a. Loosen the wing nut on the seed plate pin.
b. Lift the flat spring until the pin is disengaged with the hole in the seed plate. (Do not pull the flat spring out.)
c. Revolve the see plate until the stamped number of the hole you with to use comes opposite the pin in the flat spring.
d. Retighten the wing nut on the seed plate pin.

**TO CHANGE TO ANOTHER SEED PLATE:**

a. Remove the wing nut on the seed plate pin.
b. Lift the flat spring until the pin is disengaged and pull the flat spring out.
c. Slide out the seed plate pin.
d. Remove the seed plate and install the seed plate that you wish to use.
e. Push the seed plate pin back up through the seed plate.
f. Engage the flat spring in the groove of the seed plate pin and engage the spring in one of the index holes of the seed plates.
g. Re-install the wing nut on the seed plate pin and tighten it.

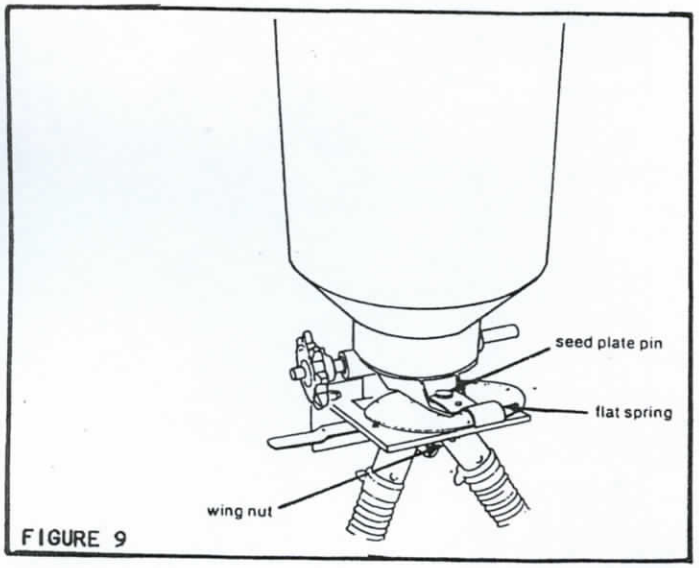


FIGURE 9

# SECTION 3

## ASSEMBLY OF HITCHES FOR GROUND-DRIVEN DRILLS

**1. B21-259 HITCH WITH VERTICAL ADJUSTMENT FOR MOUNTING TO 2 1/2" CORNER-MOUNTED TOOL BARS.**

Refer to Figure 10. Mount the hitch standard to the front of the floating bracket using two 1/2" x 1 1/2" machine bolts, lock washers and nuts. Slide the clamp onto the stem of the standard and tighten the two 1/2" x 2 1/4" machine bolts.

Starting at the center of the tool bar, mark the proper row spacing on the bar. Position the drill behind the tool bar so that the center of the opeing foot is at the row spacing mark. Mount the drill to the tool bar as shown, using the clamp plate, washers, and nuts. When you are in the field ready to begin planting, adjust the tool bar to operating height. Then adjust the clamp on the hitch of each drill, so that the floating bracket will be parallel to the ground at normal operating position.

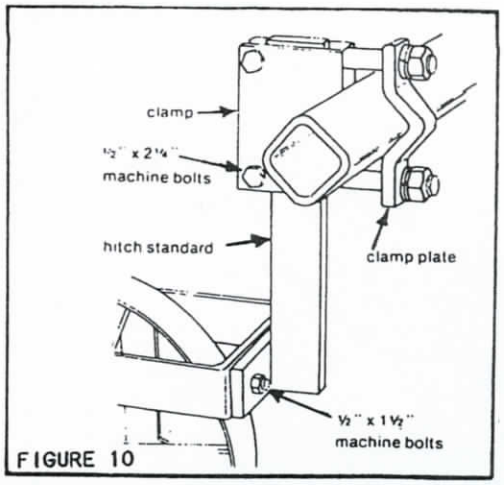


FIGURE 10

**2. B21-261 HITCH WITH VERTICAL ADJUSTMENT TO MOUNT TO 2 1/2" SQUARE-MOUNTED TOOL BARS.**

Mount the hitch standard to the front of the floating bracket using the two 1/2" x 1 1/2" machine bolts, lock washers, and nuts. Refer to Figure 11. Slide the clamp onto the standard as shown, and tighten the two 1/2" x 2 1/4" machine bolts.

Starting at the center of the tool bar, measure and mark the proper row spacing on the bar. Position the drill behind the tool bar so that the center of the opening foot is at the row mark. Mount the drill to the tool bar using the two U-bolts, lock washers, and nuts. When you are in the ready to begin planting, adjust to tool bar to operating height. Then adjust the clamp on the hitch of each planter, so that the floating bracket will be parallel to the ground at normal operating position.

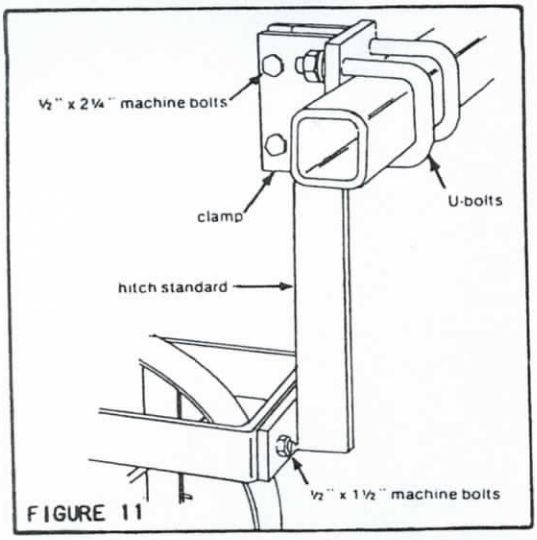


FIGURE 11

**3. B21-263 HITCH WITH VERTICAL ADJUSTMENT TO MOUNT TO 4" x 4" TOOL BAR.**

Mount the hitch standard to the front of the floating bracket, as shown in Figure 12. Use two 1/2" x 1 1/2" machine bolts, lock washers, and nuts. Slide the clamp onto the standard and tighten the two 1/2" x 2 1/4" machine bolts.

Starting at the center of the tool, measure and mark the row spacing on the tool bar. Position the drill behind the tool bar so that the center of the opening foot is at the row makr. Mount the drill to the tool bar using the two U-bolts, lock washers, and nuts. Adjust the tool bar to the operating height. Then adjust the clamp on the hitch of each drill, so that the floating bracket will be parallel to the ground at normal operating position.

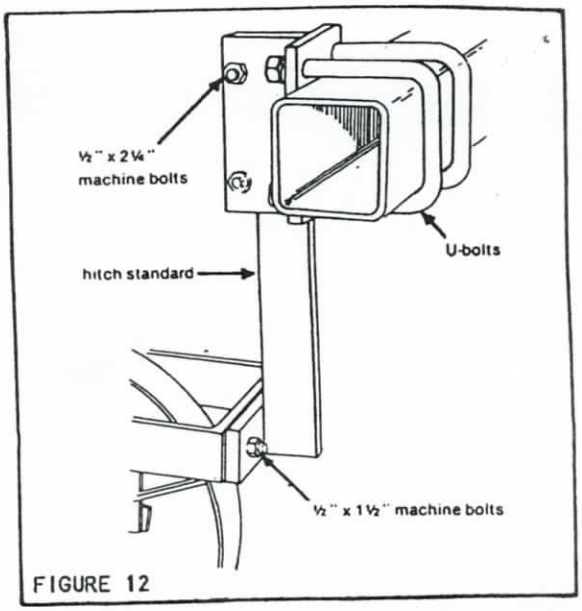


FIGURE 12

**4. B21-264 HITCH WITH VERTICAL ADJUSTMENT TO MOUNT TO REAR-ANGLE FRAME CULTIVATORS.**

Mount the hitch standard to the front of the floating bracket as shown in Figure 13, using two 1/2" x 1 1/2" machine bolts, lock washers, and nuts. Slide the clamp onto the standard and tighten the two 1/2" x 2 1/4" machine bolts.

Measuring from the center of the cultivator, mark the row spacing on the frame. Position the drill under the frame so that the center of the opening foot is at the row mark. Mount the drill to the cultivator frame using two 7/16" x 1 1/2" machine bolts, lock washers, and nuts. When you are in the field ready to begin planting, adjust the cultivator to its correct operating height. Then adjust the clamp on the hitch of each drill so that the floating bracket will be parallel to the ground at normal operating position.

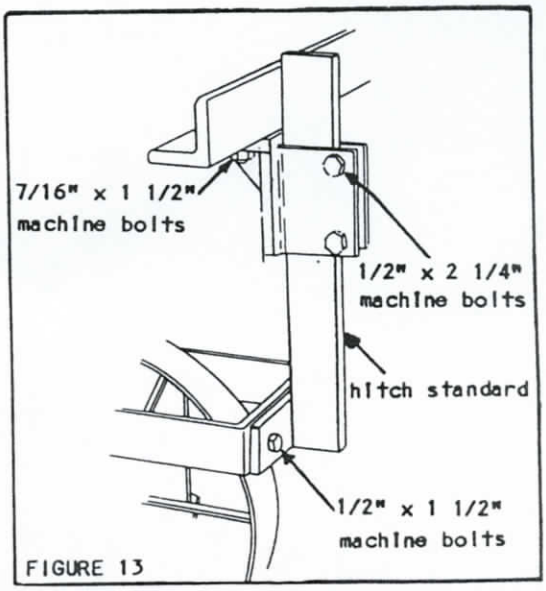


FIGURE 13

**5. B47-047 CATEGORY 0 THREE-POINT HITCH AND B21-305A CATEGORY 1 THREE-POINT HITCH.**

Refer to Figure 14. Mount the three-point hitch to the front of the floating bracket, as shown, using the two 1/2" x 1 1/2" machine bolts, lock washers, and nuts.

Before planting make these adjustments. With the planter attached to your tractor's three-point hitch, lower the planter to planting position. Adjust the top link of the tractor's three-point hitch so that the top link mask of the planter hitch is at a right angle to the ground. This can be checked by viewing the unit from the side.

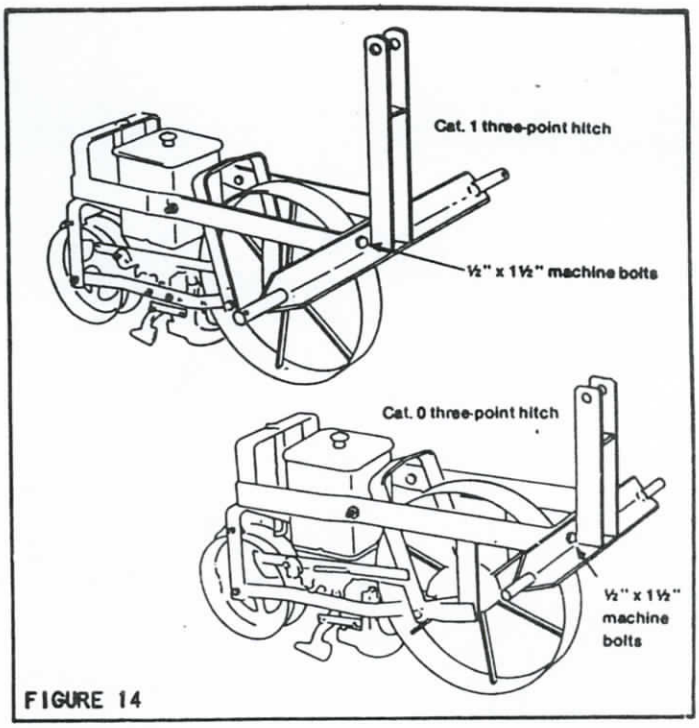



FIGURE 14

# PLANET JR. ACCESSORIES

I. 2 1/2" Corner Mounted Tool Bars and Attachments

A. 2 1/2" CORNER MOUNTED TOOL BARS
- 80", 1/4" wall, Cat. I
- 144", 1/4" wall, Cat. II
- 160", 1/4" wall, Cat. II
- 240", 1/4" wall, Cat. II

B. ATTACHMENTS FOR 2 1/2" CORNER MOUNTED TOOL BARS
- Track Eradicators
- Gauge Wheels
- Row Markers

II. 4" x 4" TOOL BARS AND ATTACHMENTS

A. 4" x 4" TOOL BARS
- 80", 1/4" wall, Cat. I
- 160", 1/4" wall, Cat. II
- 180", 1/4" wall, Cat. II/III
- 240", 1/4" wall, Cat. II/III

B. ATTACHMENT FOR 4" x 4" TOOL BARS
- Track Eradicators
- Gauge Wheels
- Pull type kit for tool bars
- Hydraulic row markers

III. DOUBLE 4" x 4" TOLL BARS AND ATTACHMENTS

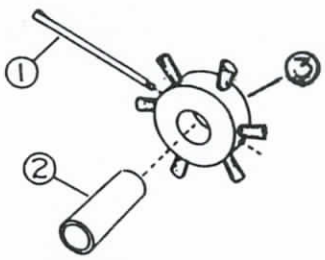
A. DOUBLE 4" x 4" TOOL BARS
- 80", Cat. I
- 160", Cat. II
- 180", Cat. II/III
- 240", Cat. II/III

B. ATTACHMENTS FOR DOUBLE 4" x 4" TOOL BARS
- Track Eradicators
- Gauge Wheels
- Pull type kit for tool bars
- Fertilizer attachments

See your local dealer for these accessories.

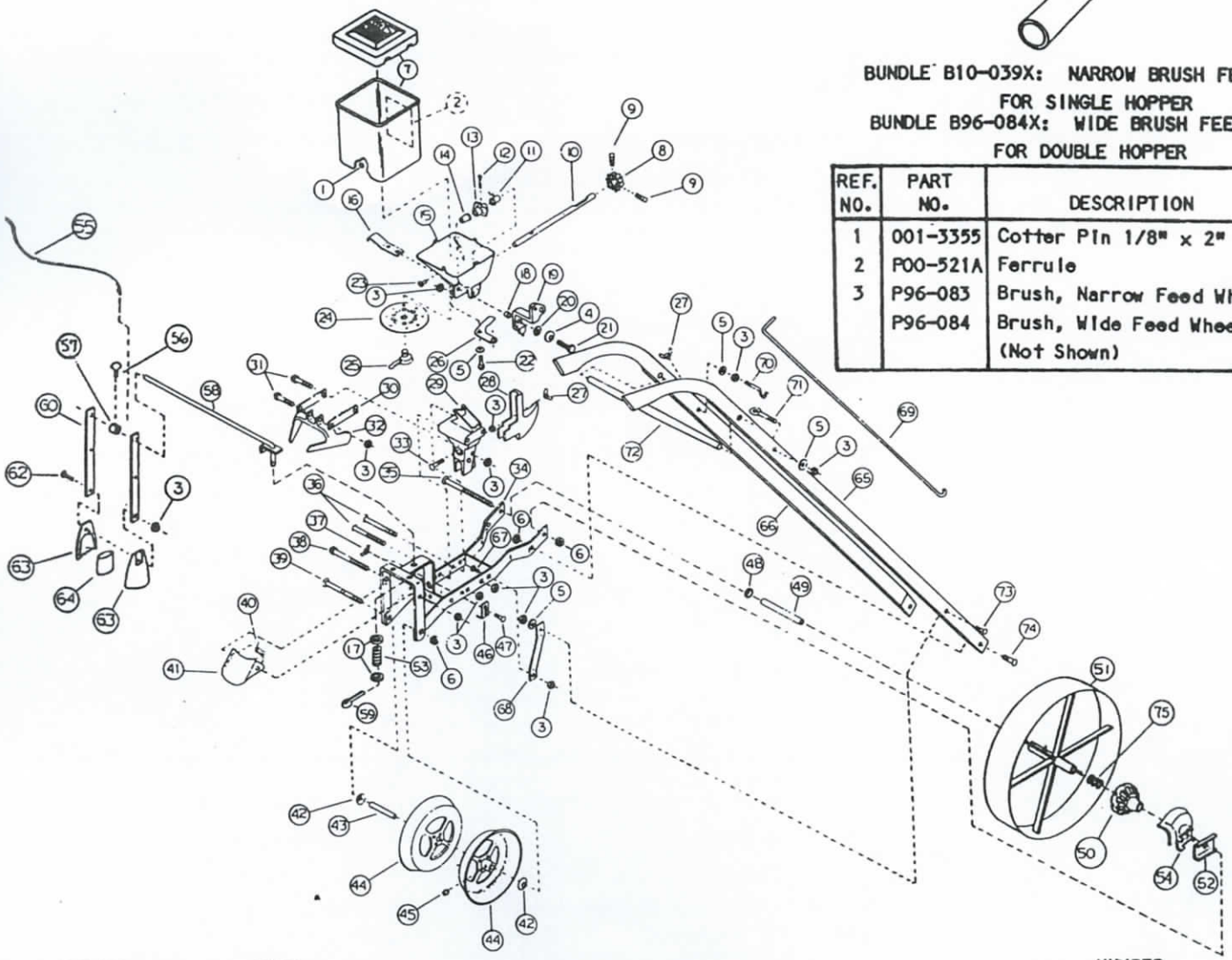
# REPAIR PARTS

**B 73-09B Hand Seeder**




BUNDLE B10-039X: NARROW BRUSH FEED WHEEL FOR SINGLE HOPPER
BUNDLE B96-084X: WIDE BRUSH FEED WHEEL FOR DOUBLE HOPPER

| REF. NO. | PART NO. | DESCRIPTION | NO. REQ. |
|---|---|---|---|
| 1 | 001-3355 | Cotter Pin 1/8" x 2" | 1 |
| 2 | P00-521A | Ferrule | 1 |
| 3 | P96-083 | Brush, Narrow Feed Wheel | 1 |
| | P96-084 | Brush, Wide Feed Wheel (Not Shown) | 1 |



| DIAGRAM NUMBER | PART NUMBER | DESCRIPTION | NUMBER PER ASSEMBLY |
|---|---|---|---|
| 1 | 001-1047 | Washer, 1/8 Pop Rivet .312 x .129 x .030 | 12 |
| 2 | 003-5598 | Decal, Powell/Cole Planet Jr. | 1 |
| 3 | 001-0054 | Locknut, Hex ZP 1/4-20NC | 15 |
| 4 | P21-304 | Washer, Belleville | 1 |
| 5 | 001-1001 | Washer, Flat ZP 1/4" USS STD Wrought | 5 |
| 6 | 001-0055 | Locknut, Hex ZP 3/8-16NC | 4 |
| 7 | P21-458 | Hopper and Lid Assembly/Plastic, Square | 1 |
| | B21-326A | Hopper, Seed W/Shaft Assembly | 1 |
| 8 | 004-4605 | Gear, Pinion Drive (Order 012-0250 Kit) | 1 |
| 9 | 001-2751 | Screw, Set Sq. Hd ZP 1/4 x 1/2 | 2 |
| 10 | 016-5000 | Shaft, Drive Planet Jr. | 1 |

| DIAGRAM NUMBER | PART NUMBER | DESCRIPTION | NUMBER PER ASSEMBLY |
|---|---|---|---|
| 11 | P00-519A | Bushing, Nylon 13/16" Lg. | 1 |
| 12 | 001-3352 | Pin, Cotter ZP 1/8 x 1-1/4 | 1 |
| 13 | P0K-817T | Plastic Feed Wheel | 1 |
| 14 | P00-520A | Bushing, Nylon 1-5/16" Lg. | 1 |
| 15 | P0K-717C | Base, Hopper | 1 |
| 16 | B00-6542-X | Latch, Seed Plate | 1 |
| 17 | 001-1003 | Washer, Flat 3/8, ZP USS STD Wrought | 2 |
| 18 | P21-270 | Bushing | 1 |
| 19 | P0K-719A | Lever, Seed Shut Off | 1 |
| 20 | P21-323 | Wavey Spring Washer | 1 |
| 21 | 001-2035N | Screw, Cap Hex Hd NY-Lock 5/16" x 1" | 1 |
| 22 | 001-2004 | Screw, Cap Hex Hd ZP 1/4-20NC x 3/4" | 1 |
| 23 | 001-3509 | Rivet, Pop 1/8" x .400 Lg. Aluminum | 12 |
| 24 | P00-5458 | Plastic Seed Plate #1, 1-13 | 1 |
| | P00-5459 | Plastic Seed Plate #2, 14-26 | 1 |
| | P00-5460 | Plastic Seed Plate #3, 27-39 | 1 |
| 25 | P0K-740 | Cam, Hopper Support | 1 |
| 26 | P00-5441 | Shut Off, Seed | 1 |
| 27 | 001-0100 | Nut, Wing, ZP 1/4-20 | 2 |
| 28 | B0K-712 | Shoe, Drill | 1 |
| 29 | P0K-835 | Seed Spout | 1 |
| 30 | P00-5482 | Arm, Cover | 2 |
| 31 | 001-2012 | Screw, Cap HH ZP 1/4-20NC x 2-1/2 | 2 |
| 32 | B00-6540-X | Cover, Seed, W/Arm, P.J. | 1 |
| 33 | 001-2554 | Bolt, Crg., ZP 1/4-20NC x 1-1/2 | 1 |
| 34 | P21-272 | Weldment, Main Frame | 1 |
| 35 | 001-2616 | Bolt, Crg 3/8-16NC X 7 | 1 |
| 36 | 001-2565 | Bolt, Crg., ZP 1/4-20NC x 4-1/2 | 2 |
| 37 | 001-0100 | Nut, Wing, ZP 1/4-20 | 1 |
| 38 | 001-2020 | Screw, Cap Hex Hd., ZP 1/4-20NC x 5" | 1 |
| 39 | 001-2611 | Bolt, Crg., ZP 3/8-16NC x 5" | 1 |
| 40 | P00-7207 | Coil Springs | 1 |
| 41 | P00-5441 | Scraper | 1 |
| 42 | P00-3806 | Cap, Dust | 2 |
| 43 | P00-5473 | Ferrule, Roller | 1 |
| 44 | P0K-894 | Wheel, Rear Roller | 2 |
| 45 | 003-8523 | Fitting, Grease Straight 1/4" Drive | 2 |
| 46 | P00-5486 | Piece, Stop | 1 |
| 47 | 001-2551 | Bolt, Crg., 1/4 x 3/4 | 1 |
| 48 | P00-3806 | Cap, Dust | 1 |
| 49 | P00-4910 | Ferrule, Wheel | 1 |
| 50 | P0K-713C | Cast Wheel Hub | 1 |

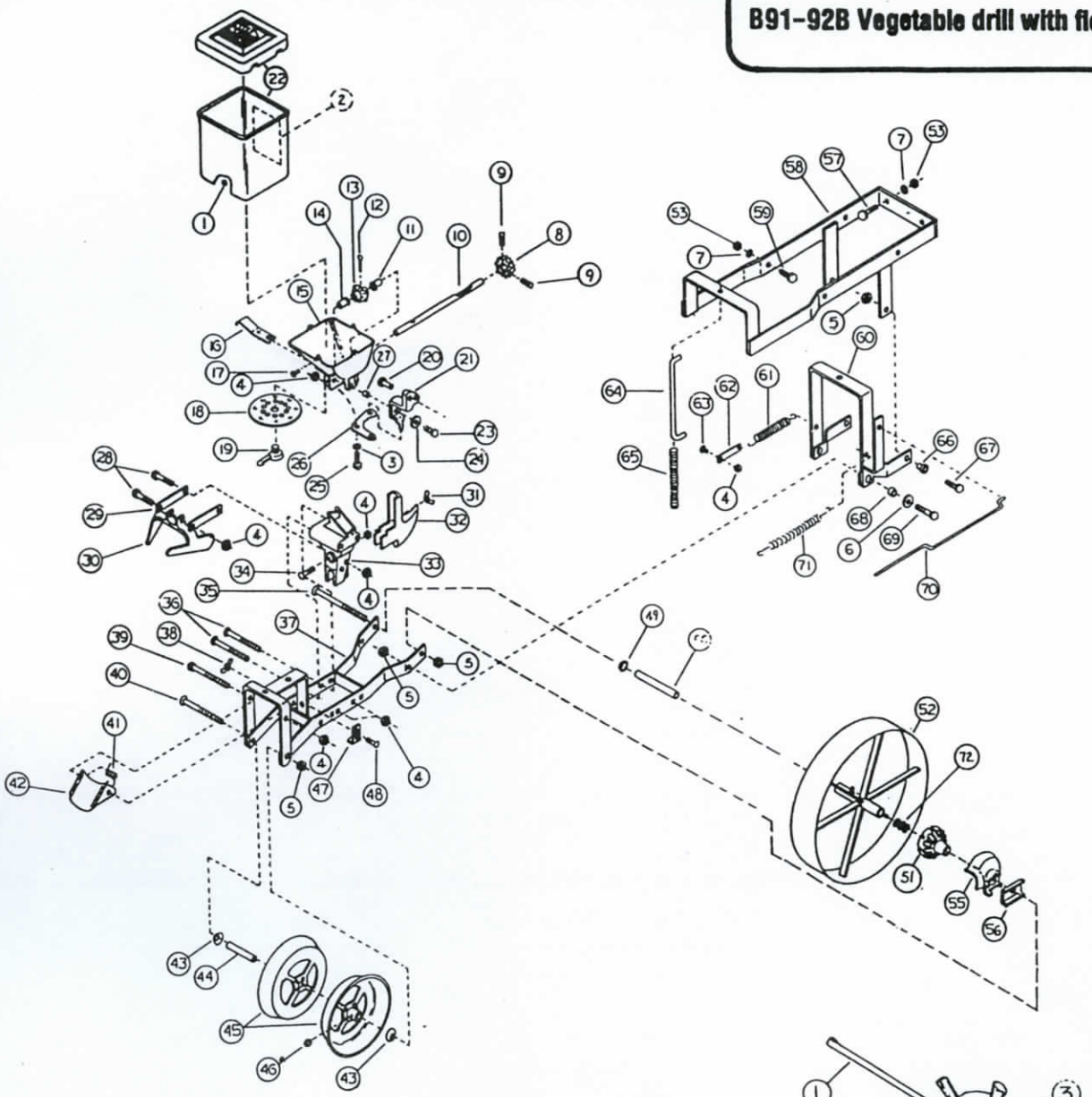
Replaced With B1D-D39X

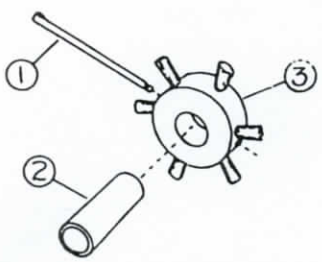
No Longer Available

| DIAGRAM NUMBER | PART NUMBER | DESCRIPTION | NUMBER PER ASSEMBLY |
|---|---|---|---|
| 51 | P21-234A | Drive Wheel Weld Assembly For Iron Hub | 1 |
| | B06-533X-A | Kit, Drive Wheel (Cast Iron) | 1 |
| 52 | P21-298 | Spacer | 1 |
| 53 | P21-322 | Compression Spring | 1 |
| 54 | P0K-721C | Gear Cover | 1 |
| 55 | P00-5258 | Cord For Row Marker | 1 |
| 56 | 001-3310 | Screw Thumb 1/4-20 NC X 1" | 1 |
| 57 | 004-5251 | Set Collar 3/8 | 1 |
| 58 | P21-521 | Marker Rod | 1 |
| 59 | 001-3351 | Cotter Pin 1/8 x 1 | 1 |
| 60 | P00-5096 | Arm, Marker | 2 |
| 63 | P0K-730 | Marker Half | 2 |
| 64 | P0K-729 | Marker Weight | 1 |
| | B00-6543-X | Arm, Row Marker W/Weight | 1 |
| 65 | P0W-1115-R | Wooden Handle, Right | 1 |
| 66 | P0W-1115-L | Wooden Handle, Left | 1 |
| 67 | 001-2551 | Bolt, Crg., ZP 1/4-20NC x 3/4 | 2 |
| 68 | P00-5443 | Brace, Handle | 2 |
| 69 | P00-5475 | Shut-Off Rod | 1 |
| 70 | P29-560 | J-Bolt, 1/4 x 2-1/2 | 1 |
| 71 | P29-720 | Eye Bolt, Closed, 1/4 x 2 | 1 |
| 72 | P00-W148 | Round Handle | 1 |
| 73 | 001-2554 | Bolt, Crg., ZP 1/4-20NC x 1-1/2 | 2 |
| 74 | 001-2559 | Bolt, Crg., ZP 3/8-16NC x 1-1/2 | 2 |
| 75 | 003-8808 | Spring | 1 |

# REPAIR PARTS

**B91-92B Vegetable drill with floating hitch**





BUNDLE B10-039X: NARROW BRUSH FEED WHEEL FOR SINGLE HOPPER
BUNDLE B96-084X: WIDE BRUSH FEED WHEEL FOR DOUBLE HOPPER

| REF. NO. | PART NO. | DESCRIPTION | NO. REQ. |
|---|---|---|---|
| 1 | 001-3355 | Cotter Pin 1/8" x 2" | 1 |
| 2 | P00-521A | Ferrule | 1 |
| 3 | P96-083 | Brush, Narrow Feed Wheel | 1 |
| | P96-084 | Brush, Wide Feed Wheel | 1 |
| | | (Not Shown) | |

| DIAGRAM NUMBER | PART NUMBER | DESCRIPTION | NUMBER PER ASSEMBLY |
|---|---|---|---|
| 1 | 001-1047 | Washer, 1/8 Pop Rivet .312 x .129 x .030 | 12 |
| 2 | 003-5598 | Decal, Powell/Cole Planet Jr. | 1 |
| 3 | 001-1001 | Washer, Flat 1/4", ZP USS STD. Wrought | 1 |
| 4 | 001-0054 | Locknut, Hex ZP 1/4" | 8 |
| 5 | 001-0055 | Locknut, Hex ZP 3/8" | 6 |
| 6 | 001-1002 | Washer, Flat 5/16" ZP USS STD Wrought | 2 |
| 7 | 001-1254 | Washer, Lock ZP 1/2" | 4 |
| 8 | 004-4605 | Gear, Pinion Gear (Order 012-0250 Kit) | 1 |
| 9 | 001-2751 | Screw, Set Sq. Hd. ZP 1/4 x 1/2 | 2 |
| 10 | 016-5000 | Shaft, Drive | 1 |
| 11 | P00-519A | Bushing, Nylon 13/16" Lg. | 1 |
| 12 | 001-3352 | Pin, Cotter ZP, 1/8 x 1-1/4 | 1 |
| 13 | P0K-817T | Plastic Feed Wheel | 1 |
| 14 | P00-520A | Bushing, Nylon 1-5/16" Lg. | 1 |
| 15 | P0K-717C | Base, Hopper | 1 |
| 16 | B00-6542-X | Latch, Seed Plate | 1 |
| 17 | 001-3509 | Rivet, Pop 1/8" x .400 Lg. Aluminum | 12 |
| 18 | P00-5458 | Plastic Seed Plate 1-13 | 1 |
| | P00-5458M | Metal Seed Plate 1-13 | 1 |
| | P00-5459 | Plastic Seed Plate 14-26 | 1 |
| | P00-5459M | Metal Seed Plate 14-26 | 1 |
| | P00-5460 | Plastic Seed Plate 27-39 | 1 |
| | P00-5460M | Metal Seed Plate 27-39 | 1 |
| | B21-517 | Set of (3) Three Metal Seed Plates (1-13), (14-26), (27-39) | 1 |
| 19 | P0K-740 | Cam Casting | 1 |
| 20 | P21-319 | Pin, Clevis | 1 |
| 21 | P0K-719A | Lever, Seed Shut-Off | 1 |
| 22 | P21-458 | Hopper and Lid Assembly/Plastic, Square | 1 |
| | B00-7559-B | Plastic Hopper and Shaft Assembly | 1 |
| 23 | 001-2035N | Screw, Cap Hex Hd NY-Lock 5/16" x 1" | 1 |
| 24 | 001-1002 | Washer, Flat 5/16" ZP USS STD Wrought | 1 |
| 25 | 001-2004 | Screw, Cap HH ZP 1/4-20NC x 3/4" | 1 |
| 26 | P00-5441 | Shut-Off, Seed | 1 |
| 27 | P21-270 | Bushing | 1 |
| 28 | 001-2012 | Screw, Cap HH ZP 1/4-20NC x 2-1/2" | 2 |
| 29 | P00-5482 | Arm, Cover | 2 |
| 30 | B00-6540-X | Cover, Seed, W/Arm | 1 |
| 31 | 001-0100 | Nut, Wing, ZP 1/4-20 | 1 |
| 32 | B0K-712 | Shoe, Drill | 1 |
| 33 | P0K-835 | Seed Spout | 1 |
| 34 | 001-2554 | Bolt, Crg., ZP 1/4-20NC x 1-1/2" | 1 |
| 35 | 001-2616 | Bolt, Crg 3/8-16NC X 7 | 1 |

Replaced with B10-039X

No Longer Available

| DIAGRAM NUMBER | PART NUMBER | DESCRIPTION | NUMBER PER ASSEMBLY |
|---|---|---|---|
| 36 | 001-2565 | Bolt, Crg., ZP 1/4-20NC x 4-1/2" | 2 |
| 37 | P21-272 | Weldment, Main Frame | 1 |
| 38 | 001-0100 | Nut, Wing, ZP 1/4"-20 | 1 |
| 39 | 001-2020 | Screw, Cap HH ZP 1/4-20NC x 5" | 1 |
| 40 | 001-2611 | Bolt, Crg., ZP 3/8-16NC x 5" | 1 |
| 41 | P00-7207 | Coil Spring | 1 |
| 42 | P00-5541 | Scraper | 1 |
| 43 | P00-3806 | Cap Dust | 2 |
| 44 | P00-5473 | Ferrule, Roller | 1 |
| 45 | P0K-894 | Rear Roller Cast Wheel | 2 |
| 46 | 003-8523 | Fitting, Grease Straight 1/4" Drive | 2 |
| 47 | P00-5486 | Piece, Stop | 1 |
| 48 | 001-2551 | Bolt, Crg., 1/4" x 3/4" | 1 |
| 49 | P00-3806 | Cap, Dust | 1 |
| 50 | P00-4910 | Ferrule, Wheel | 1 |
| 51 | P0K-713C | Cast Wheel Hub | 1 |
| 52 | P21-234A | Drive Wheel Weld Assembly For Iron Hub | 1 |
| | B06-533X-A | Kit, Drive Wheel | 1 |
| 53 | 001-0009 | Nut, Hex ZP 1/2-13NC | 4 |
| 54 | | | |
| 55 | P0K-721C | Gear Cover | 1 |
| 56 | P21-298 | Spacer | 1 |
| 57 | 001-2121 | Screw, Cap HH ZP 1/2-13NC x 1-1/2 | 2 |
| 58 | P21-278 | Weldment, Floating Hitch | 1 |
| 59 | 001-2119 | Screw, Cap HH 1/2-13NC x 1 | 2 |
| 60 | P09-179X-A | Ball and Link Weld Assembly | 1 |
| 61 | P00-5587 | Coil Spring | 1 |
| 62 | P21-301 | Tension Spring Adjuster | 1 |
| 63 | 001-2551 | Bolt, Crg., ZP 1/4-20Nc x 3/4 | 1 |
| 64 | P21-284 | Pin, Spring Guide | 1 |
| 65 | P21-152 | Coil Spring | 1 |
| 66 | P0T-227 | Ferrule | 2 |
| 67 | 001-2066 | Screw, Cap HH ZP 3/8-16NC x 1-1/4 | 2 |
| 68 | PSD-42 | 45/64" x 13/32" x 21/32" Hardened Bushing | 2 |
| 69 | 001-2067 | Machine Bolt, 3/8" x 1-1/2" | 2 |
| 70 | P21-288 | Arm, Seed Shut-Off | 1 |
| 71 | P21-289 | Coil Spring | 1 |
| 72 | 003-8808 | Spring | 1 |