INSTALLATION INSTRUCTIONS

PRODUCT: Power Sweep Carrier Wheel
MODELS:
8" U Trough Powersweeps
802-42-1104U, 802-48-1104U, 802-54-1104U, 802-60-1105U
10" U Trough Powersweeps

SUBJECT: Instructions, Power Sweep Carrier Wheel Installation
Estimated Completion Time: 30 Min’s.
Parts: (See Page # 5)

REQUIRED TOOLS / SUPPLIES:
(2) C-Clamps or Equivalent
(1) Pencil or Felt Tip Marker
(1) 3/8” Ratchet or (1) 3/8” Air or Battery Powered Impact Wrench
(1) 13/32” Transfer Punch or Center Punch
(1) Hammer
(1) Pilot Drill Bit
(1) 1/8” Drill Bit
(1) 13/32” Drill Bit

DANGER

NEVER ENTER BIN UNLESS ALL POWER IS LOCKED OUT AND ANOTHER PERSON IS PRESENT. Exposed auger and moving parts can cause severe injury or death. Rotating augers are dangerous! Flowing grain may trap and suffocate.

Fig. # 1-1 Determining Installation Location

The following instructions are for installing the “Carrier Wheel” accessory for “Power Sweep” sweep augers lengths of 42’, 48’, 54’ & 60’. To install the Carrier Wheel, proceed as follows.

SERVICE PROCEDURE:
Preparation:

1. First inspect the contents of the box and inventory all parts before proceeding with the installation. (See Page # 3 for a complete parts listing)
2. The grain bin must be completely empty of grain before installation.
3. Determine the installation location by measuring end to end of the sweep auger. (See Fig. # 1-1)
SERVICE PROCEDURE:
Installation:

4. After measuring and finding the center, place a mark on the sweep auger back board plate.

5. Locate the closest support bracket to the mark.

**IMPORTANT**

If the support bracket at the center of the sweep auger is over a hopper, then use the next support bracket further away from the center of the bin. (See Fig. # 1-2) (See Fig. # 1-3)

6. There are 2 different types of support brackets, one with holes and one without holes. All new Power Sweeps use the support bracket with holes. If you have the support brackets without holes, proceed to step # 7, if you have the support bracket without holes, then proceed to step # 10. (See Fig. # 1-4) (See Fig. # 1-5)

7. Remove P/N 10-4-01136, which is the Carrier Wheel Mount Plate, from the Carrier Wheel package and locate on the sweep auger backboard plate and truss as shown in (See Fig. # 1-6).
8. Clamp the Carrier Wheel Mount Plate to the bracket support and punch the 3 holes with the 13/32” transfer punch. If you do not have a transfer punch, mark the holes with a pencil or felt tip marker. (See Fig. # 1-7)

9. Remove the clamps and the Carrier Wheel Mount Plate and pre-drill the 3 holes with a 1/8” drill bit, then the 13/32” drill bit.

10. Assemble the Carrier Wheel Mount Plate ① to the support bracket using the 3/8”-16 X 1” bolts ②, 3/8”-16 X 1-1/4” ③, 3/8”-16 Nylock Nut ④, and a 3/8” Flat Washer ⑤. (See Fig. # 1-8) Note: Do not tighten the 3/8”-16 Nylock Nut on the bolt with the 3/8” Flat Washer.

11. Pre-assemble (Qty. 2) of the Front Wheel Arms, using Plate, Front Carrier Wheel Arm ①, Plate, Carrier Wheel ②, 3/8” X 1” X 5/16-18 Shoulder Bolt ③, 3/8” Flat Washer ④, and a 5/16-18 Nylock Nut ⑤. Make sure that the wheels can spin freely. (See Fig. # 1-9)

12. Assemble the Front Wheel Carrier Arm’s ② to the Front Carrier Wheel Arm ①, and secure using the 3/8-16 Hex Bolts ③, 3/8” Flat Washer ④ and a 3/8”-16 Nylock Nuts ⑤. Do not tighten the 3/8”-16 Nylock Nuts ⑤ at this time. (See Fig. # 1-10)
13. Next, support the sweep assembly with wood blocks to get the dimension of 1.00” (See Fig. # 1-11)

1.00”

![Fig. # 1-11 Set Distance From Outer Diameter of Sweep Auger to Bin Floor](image)

14. Now, lower the Front Wheel Carrier Arm’s to the floor and tighten the 3/8”-16 Nylock Nuts. (See Fig. # 1-12)

![Fig. # 1-12 Lower the Front Wheel Carrier Arms to the Floor and Tighten the Nuts](image)

15. If you have a concrete grain bin floor, then you will not need to install the Parking Load Plates. If you have a corrugated metal grain bin floor, then proceed to the next step.

16. Center the Parking load plates under the Front Wheel Carrier Arm’s, and secure with the 1/4”-14 X 1” Self Drilling Hex Head Screws.

![Fig. # 1-13 Install Screws To Secure Parking Load Plates](image)
10-2-00150 ASSEMBLY, CARRIER WHEELS

<table>
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<th>ITEM</th>
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<td>10-4-01136</td>
<td>PLATE, CARRIER WHEEL MOUNT PLATE</td>
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<td>2</td>
<td>10-4-01137</td>
<td>PLATE, FRONT CARRIER WHEEL ARM</td>
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<tr>
<td>3</td>
<td>10-4-01138</td>
<td>SHEET, PARKING LOAD PLATE</td>
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<td>4</td>
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<td>Washer, Flat 3/8 ZP</td>
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ADDITIONAL INFORMATION

If you have any questions or need assistance in completing these instructions, please contact your authorized Grain Handler dealer.

Always give your authorized Grain Handler dealer the Model Number of your Grain Handler product when ordering parts, requesting service, or any other information to provide the most efficient service.

The Model Number is identified in Fig. # 1-7 (See Fig. # 1-10)

If you cannot find model number, then call your authorized Grain Handler dealer with your bin diameter, and we can assist in determining your model number.

Fig. # 1-14 Locating Model Number Decal