PNEG-1364 42-60' 4" CORRUGATED 2 RING DOOR

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PAGE (A), 42-60' 4" Bins Manual# PNEG-1364

Written Instructions for Installation of a WD-6252-XX (4" Two Ring Door) in a 42-60' 4" Corrugation bin.

- 1). This door is to be installed in the bottom two rings of a 4" farm or commercial bin.
- 2). The door should normally be placed in line with the unload system. An intermediate discharge well should be located near the wall to clear grain away from the area of the access door (typical of all access doors). The door should be located either between two stiffeners on a commercial tank or between two anchor bolts on a farm tank.
- 3). Assemble the sidewall sheets as shown page 1. The notched door sheet and short door sheet must be installed as shown for the door to fit properly.
- 4). The door consists of a frame weldment, top and bottom inner panel assembly, and outer cover assembly. The frame weldment will bolt directly into the notched opening in the sidewall. Use 3/8" x 1" bin bolts. Apply sidewall caulk all around frame opening prior to installing the frame. Tighten all frame bolts at this time. In certain cases 5/16" x 3/4" bin bolts may be used if the surrounding sidewall is 14 gage or thinner.
- 5). Assemble the top and bottom inner panels as shown on pages 2-4. Note orientation of the latches and hinges. Install bearing pins (WD-6244) and latch bar holders (WD-6234) in door frame as shown on page 5. Use a 5/16" x 2.1/2" Gr. 8 bolts to attach the bearing pins to the door frame. Bolt head should be on the inside of the bin. Attach the latch bar holders to the door frame with ½" x 1.1/2" Gr. 8 bolts. Use ½" flat washers to adjust the position of the latch bar holders. A ½" lock washer must also be used on this connection. Do not fully tighten bearing pins or latch bar holders until the inner door panels have been installed and adjusted. Attach assembled top and bottom inner panels to door frame with 3/8" x 4.1/2" Gr. 2 bolts and lock nuts. Adjust hinges as necessary to allow door panels to open and close smoothly. The bearing pins should be adjusted to fit the door panel holes. Adjust latch bar holders as necessary until inner panel latches operate smoothly. Inner panels must seat on bearing pins and lock over latch bar holders for the door panels to shut properly. Do not fill tank until the door panels have been properly adjusted. Once the panels have been installed and adjusted, apply a foam seal strip all along the door frame to seal inner panels.
- 6). Assemble the outer cover as shown on page 5. Be sure that the decals DC-GBC-1A and DC-GBC-1S are on the inner side of the outer cover. Decals DC-GBC-2A, DC-GBC-2S, and DC-1754 must be placed on the outside of the outer cover. Apply sidewall caulking to the frame weldment and attach the outer cover angles (NCWT0205) to the frame weldment with 5/16" X 1.1/4" bin bolts. Use a flat washer on all slotted connections. Adjust hinge location until outer cover operates smoothly. Apply foam seal strip all along the outer surface of frame weldment to seal outer cover. Fill all open holes with 3/8" x 1" bin bolts. Caulk around door frame as necessary to seal door and sidewall.









