

Michel's INSTALLATION INSTRUCTIONS

Brandt 1122 / 1522 / 2022 Grain Carts

PLEASE READ ENTIRE INSTRUCTIONS BEFORE BEGINNING

Step 1: Front Hood Installation

(See Figure 1)

Procedure: Center the front hood unit on the front wall of the cart, and align the holes in the hoods with the holes in the cart. Secure the front hood using the 1/4"x1" lag screws (C) provided. Drill through the top horizontal portion on each side of the hood. Secure the top of the hood to the cart with two 1/4"x1" lag screws.

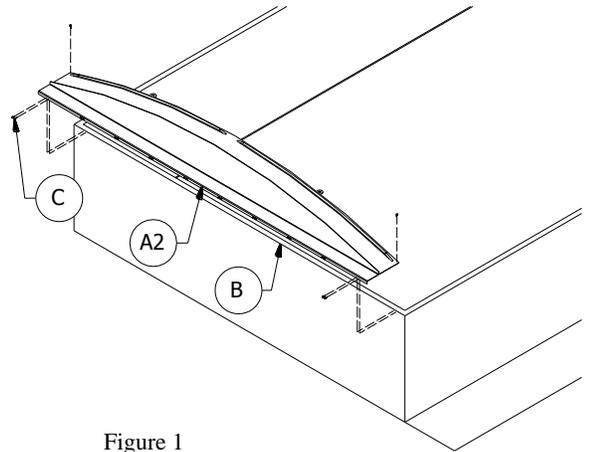


Figure 1

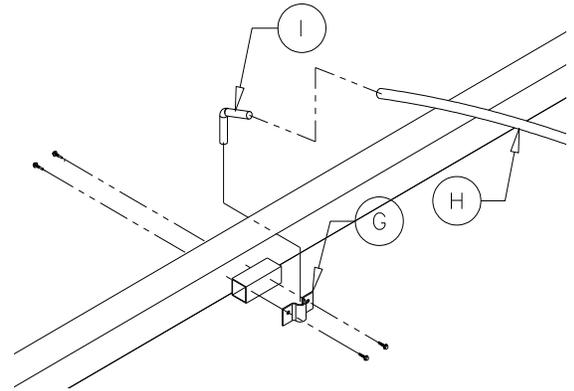
Step 2: Rear Hood Installation

(See Figure 1)

Procedure: Center the rear hood unit on the rear wall of the cart and align the holes in the hood with the holes in the cart. Secure the rear hood using the 1/4"x1" lag screws. Drill through the top horizontal portion on each side of the hood. Secure the top of the hood to the cart with two 1/4"x1" lag screws.

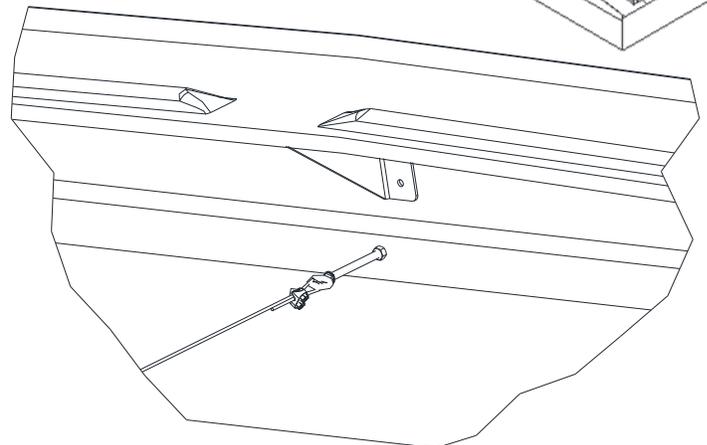
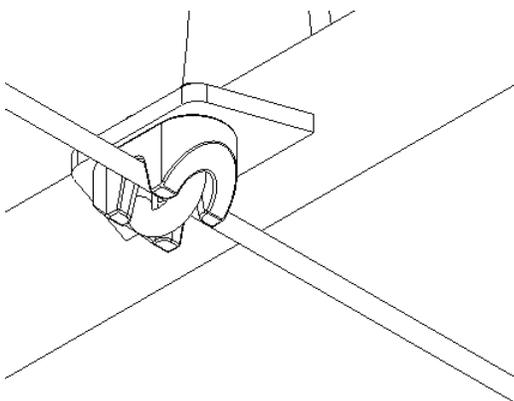
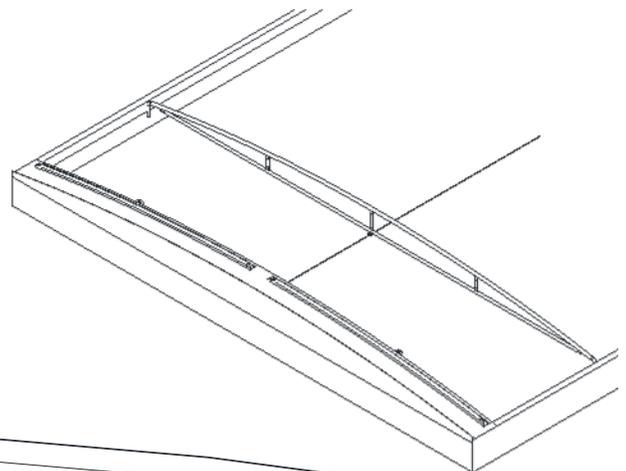
Step 3: Hoop Installation (See Figure 3)

Procedure: Four hoops are supplied for the 1122 cart, 5 for the 1522 cart and 7 for the 2022 cart. Equally space the hoop holders (G) along the length of the cart and locate the top edge of the hoop holder about 1" down from the top edge of the inside box wall. There is square tubing welded in the cart to secure the hoop holders to. Secure the hoop holder using the 1/4"x1" lag screws provided. Follow this procedure for the remaining hoop holders making sure that they are at the same level, equally spaced, and directly across from each other. Insert the bent angles (K) that are welded on the end of the hoops (J) into the hoop holders. Push the hoops down so they do not stick up past the edge of the cart. (see Figure 3).



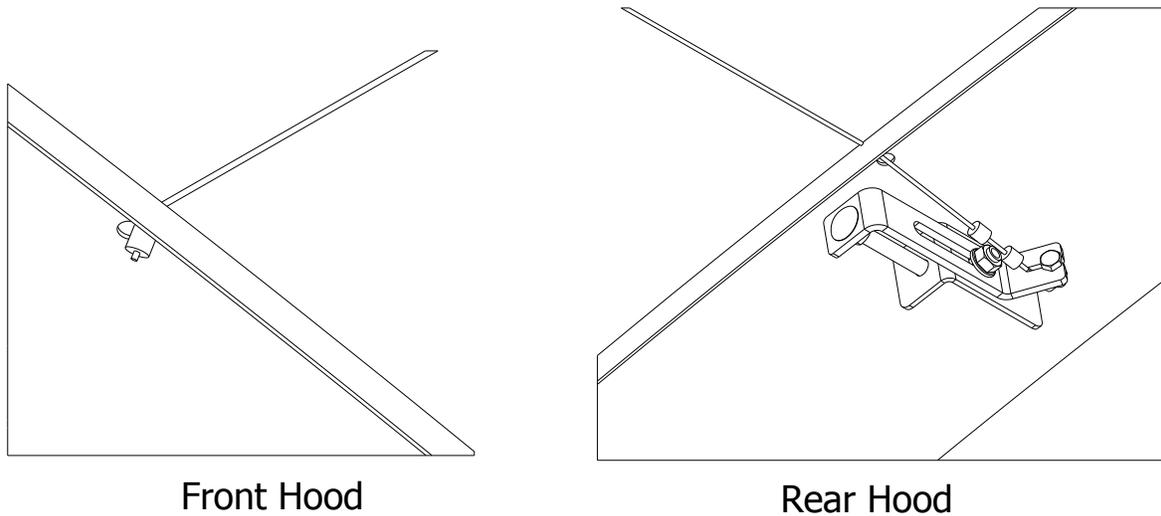
Step 4: Hoop to Hoop Support Cable Installation (See Figure 3)

Procedure: Loosely mount cable clamps to the bracket on the bottom of each hoop as shown. Drill a 5/16" hole centered in the inside flange of the front and back extension of the grain cart. Loosely mount an eyebolt in each of these holes with a 5/16" nut on each side of the extension flange. Secure the cable to one of the eyebolts using an 1/8" cable clamp. Run the cable through the cable clamps on each hoop. Loop the cable around the other eyebolt; pull the cable as tight as you can by hand before securing it with another 1/8" cable clamp. Tighten the cable with the use of the eyebolts until all the slack is removed. Once the cable is taught; tighten the cable clamp on each hoop



Step 5: Hood to Hood Support Cable Installation (See Figure 3)

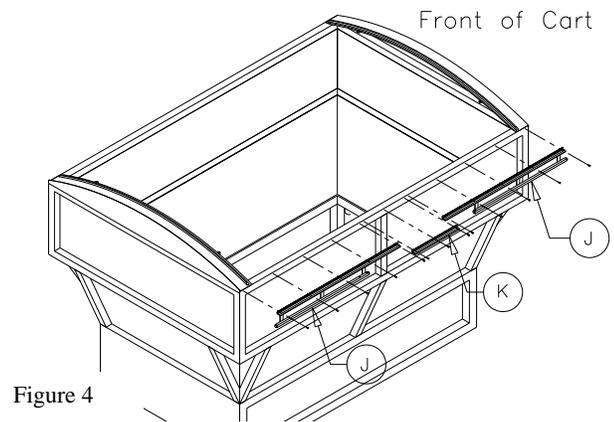
Procedure: Hook the end one of the hood to hood support cables with only one crimped on end in the slot in the front hood top panel. Lay the cable over the hoods and feed the cable through the slot in the rear hood top panel. Remove the 1/4" bolt out of the pull bracket. Pull the cable as tight as possible and hook the closest crimped end into the bracket. Tighten the 3/8" carriage bolt to apply tension on the cable. Apply enough tension to keep the cable taught but do not pull the hoods in. Secure the 1/4" bolt back in the pull bracket to ensure the cable stays on. Repeat for the other cable.



Step 6: Holdback (Tension Control Unit) & Filler Plate Installation

(See Figure 4)

Procedure: The front and rear holdbacks (J), mount about 1/4" lower than the upper edge of the cart with the 1-1/4" square tubing is facing downward and the plastic cable guide is approximately 1-1/2" past the front and rear of the cart. Align the pre-drilled holes in the holdbacks with the ones in the cart and secure with the 1/4"x1" lag screws provided. After both holdbacks have been properly secured mount the filler plate (K) flush with the holdbacks..

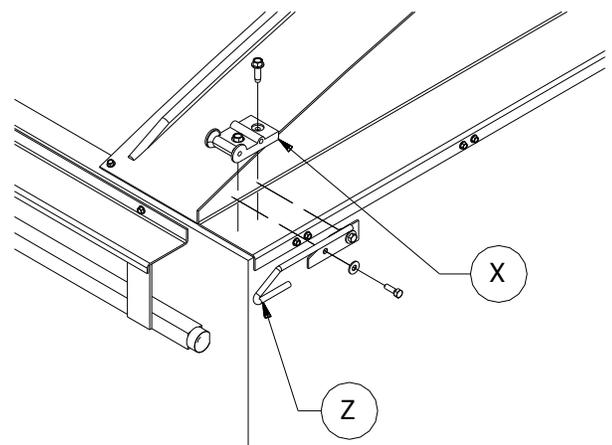


Step 7: Rolltube Lifter and Universal Cable Guide Installation (Offset Hood Package)

(See Figure 8-9)

Note: The roll tube lifter (Z), should be against the front hood panel and the round bar of the roll tube lifter should also be against the side the cart.

Procedure: Place the roll tube lifter into position and fasten with the 1/4" x 1" lag screws provided into the pre-drilled holes in the hood. When installing the universal cable guide (X), ensure the universal cable guide is aligned with the end of the plastic cable guide located on the front holdback. Also have the rounded edge of the universal cable guide hang over the edge of the trailer so that the cable does not rub against the side of the cart. Once in place secure with 1/4" x 1-1/2" lag screws.



Step 8: Tarp & Tarp Stop Installation

(See Figure 5)

Procedure: Raise the rolltube and place it on the top of the cart so that it rests on the hoops and hoods located on the left side of the cart (driver side) making sure that the spline is at the rear of the cart. Roll out the tarp to the right side of the cart some; position the tarp so that the material sits 2 inches back from the face of the front hood. Pull the tarp down the side of the cart on the left side so the pocket holding the tarp quick release bar (N) hang down the side of the cart approximately 3 to 4 inches. The quick release bar will be held against the side of the cart by the tarp stop (O) (see Figure 8). Make sure the tarp material is 2 inches away from the face of the front hood. Mount the front and rear tarp stops 4 inches in from the edge of the tarp material. Drill a 5/16" hole through the predrilled hole in the tarp stop and into the cart wall. There may be pre drilled holes in the cart to use. Secure the tarp stops to the cart with the 3/8" x 1-1/4" self-threading bolts provided. The remaining tarp stops are to be centered according to the length of the cart. Make sure that the quick release bar is positioned parallel with the cart lip.

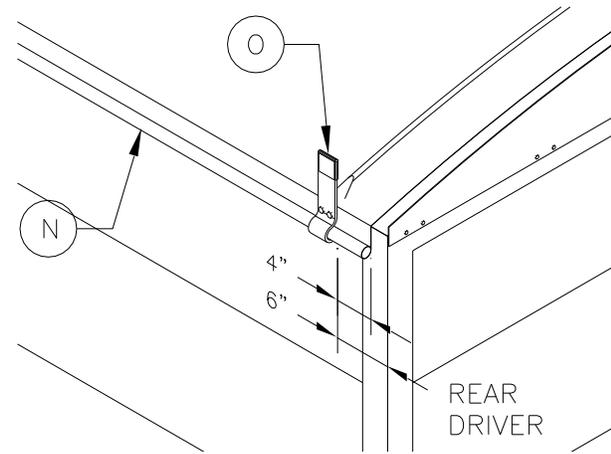


Figure 5

Step 9: Crank Installation

(See Figure 6)

Procedure: With the rolltube under the holdback-locking flange slide the rear beveled pulley stamped (FRONT STANDARD) (S) onto the rolltube with the small flange sliding on first. Slide the universal joint (T) and shaft on the spline (I) so that the end of the crank is on outside of the grain cart by approximately 1ft. Insert the quick pin (U) through the universal joint. Slide the crank handle into the shaft. The crank should have approximately 30 lbs of force applied to the crank shaft to lock it in the spring lock. If there is not enough force applied to the crank handle then the position of the universal joint must be altered. Secure the crank handle to the shaft with the 1/4"x1-3/4" hex bolt and 1/4" nylon lock nut provided through the predrilled holes.

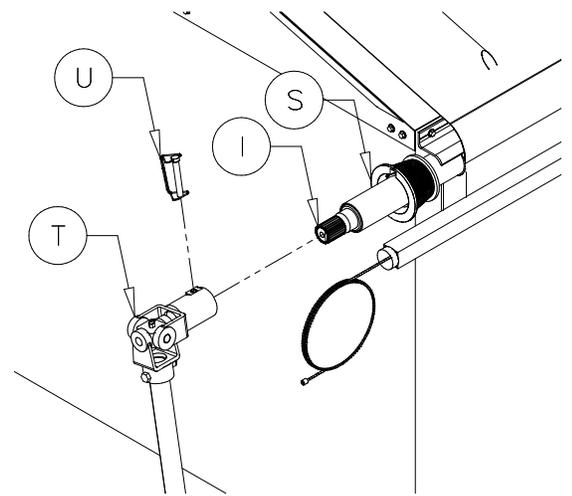


Figure 6

Step 10: Beveled Cable Pulley Installation & Tension Control Adjustment

(See Figure 7-8)

Note: When rolling the tarp to the open position, tension must be kept on the opposite end of the crank to keep the tarp rolling evenly.

Procedure: Roll the tarp to the open position.

Installing cable onto rear beveled pulley: Pull the cable from the rear holdback system (X) (see Figure 7) towards the rear beveled cable pulley stamped "FRONT STANDARD". Insert the cable end into the pulley slot and rotate the pulley 1 3/4 of a turn. Rotate the pulley from the underside of it on the large diameter. Properly position the beveled pulley on the rolltube so that small diameter on the pulley is in line with the plastic cable guide (W) (see Figure 7). Tighten the 1/4" set screws (B) to hold the pulley in place.

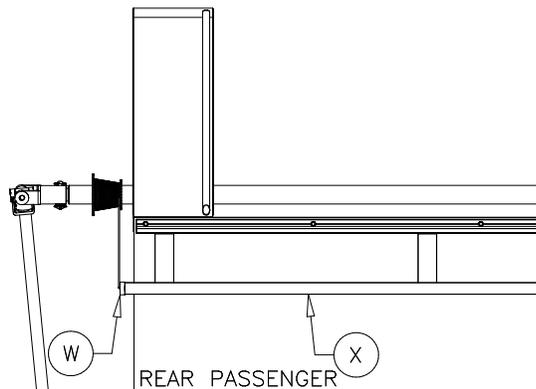


Figure 7

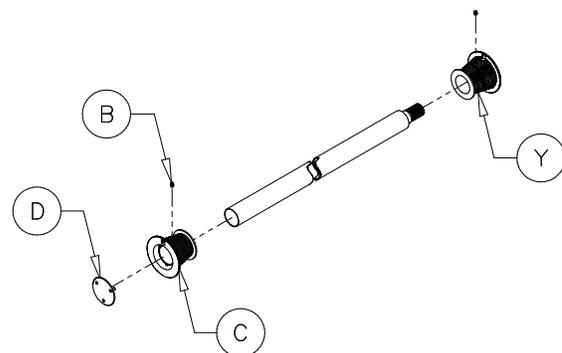


Figure 8

Installing cable onto front beveled pulley: Slide the bevel pulley stamped "FRONT REVERSE" onto the front of the rolltube. Pull the cable from the front holdback system towards the front beveled pulley stamped FRONT REVERSE (C). Repeat the rear beveled pulley procedure. Roll the tarp open and closed several times checking each time to make sure that the cable follows in the pulley grooves and the tarp rolls evenly. If the cable does not follow in the grooves, move the beveled pulley in or out until the correct position is achieved. If the tarp does not roll evenly, roll the tarp to the open position; loosen the 1/4" set screws in the front and rear pulleys and increase the cable wrap. This will increase the tension. Do not allow the pulley to have less than 1 3/4 wrap of cable when the tarp is in the open position. When finished secure the front beveled pulley cap (D) to the open end of the front beveled pulley (C)

Warranty Michel's Industries warrants their products for a period of one year from date of purchase. Any parts returned to Michel's Industries LTD. will be shipped prepaid and will be returned F.O.B. St.Gregor, Sk. Canada. We will not assume responsibility for shipping, labor or travel expenses.

Please Note: We reserve the right to make improvements; therefore specifications are subject to change without notice.

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Operating Instructions

- To open the tarp, pull the crank out of the crank holder to release the tension on the tarp and start to rotate the rolltube counter clockwise so the tarp wraps up on the rolltube. Roll the tarp tight up against the tarp stops and lock the crank back in the holder preventing the tarp to unwrap.
- To close the tarp, pull the crank out of the crank holder and start to rotate the rolltube clockwise so the tarp unwraps. Keep unrolling the tarp so the rolltube starts to roll back up and locks under the locking flange. Lock the crank back in the holder so that there is at least 30 lbs of pressure on the crank.

Transporting Guidelines

When transporting the cart, the tarp should be locked closed properly under the locking flange preventing wind from getting underneath of it.