

Final Cart Assembly Instructions

1. Place the cart on a hard surface (concrete) after unloading and before hooking it to the tractor.
2. Open both large side doors of the cart, locate and remove the following items:
 - Insulator kit (BOX) left side
 - Spare parts kit (BOX) left side
 - Spare belt top of the generator on left side
 - HV Transfer cable left side
 - Large PTO shaft with key behind the LARGE pulley at the rear of the cart
 - 2" x 10" hydraulic cylinder behind the LARGE pulley at the rear of the cart or Ziptied to turnbuckle
 - Monitor Harness front right side of the cart (Remove the Large Round End that goes into tractor cab)
 - Boom Harness front right side of the cart (Remove the Gray or Black Rectangular end that goes below tractor cab and connects to the front boom)
3. Inside of the monitor kit is a 12" long piece of EMERY cloth. Use it to remove any surface rust on the solid 2" keyed shaft. DO NOT drive the 2 separate shafts together.
4. Couple the Large telescoping PTO shaft to the solid 2" keyed shaft that drives the large pulley.
5. There are 2 options to secure the telescoping shaft to the solid shaft:
 - Use the allen type set screws with LOC-TITE and tighten as tight as you can.
 - Use ½" diameter x 1.5" long bolts with LOC-TITE. Torque to about 65' LBS.
6. Next CAREFULLY unroll the HV Transfer Cable. Notice that 1 end has a "Ring Terminal" and 1 end does not. The end **with** the ring terminal will hook to the "Front Boom". The other end **without** the ring terminal will be routed through the SMALL top hole that is located on the front of the cart. It is towards the cart top, slightly to the right, and well above the cart top link mount. The gray conduit will attach at the hole and the HV Transfer Cable will get hooked to the Left or **Rear RING** terminal of the transformer. Do this by **1st cutting the cable to length** and then strip off about 1 " of insulation from the HV Transfer Cable and inserting the bare cable into the transformer ring terminal. Excess cable should be cut off prior to stripping back the insulation and exposing the cable!
7. After the Hv Transfer Cable is installed, lay it, the Front Boom Harness, and the Monitor Harness safely to the side and hook the tractor to the unit.
8. After the tractor is hooked up, route the HV transfer cable away from rear tires and PTO, **below** the tractor towards the Front Boom. Secure it very well with clamps or large Zip-Ties.
9. Next route the Boom Harness away from the tractor tires and PTO, **between the cab and frame**, not below the tractor where the crop could damage it! Secure with Zip-Ties. There is a round hole about 3" in diameter just above the Right rear lower 3pt arm. It is for the Boom Harness and Monitor Harness to exit the cart safely.
10. Next route the Monitor Harness inside of the tractor cab. Make sure to correctly align the large tab on the male 21 pin plug to the female 21 pin plug on the side of the Monitor. **DO NOT FORCE IT!**
11. Inside of the tractor cab connect the 3' long, 3 pin round power connector cord that comes out of the monitor harness to the tractor supplied 30 amp 3 pin 12V power source.
12. Finally connect the Seat Sensor pad to the 3" long 2 pin female connector that comes off of the monitor harness inside of the tractor cab. Place the set pad with the Black side against the tractor seat cushion and the colored side towards the operator.