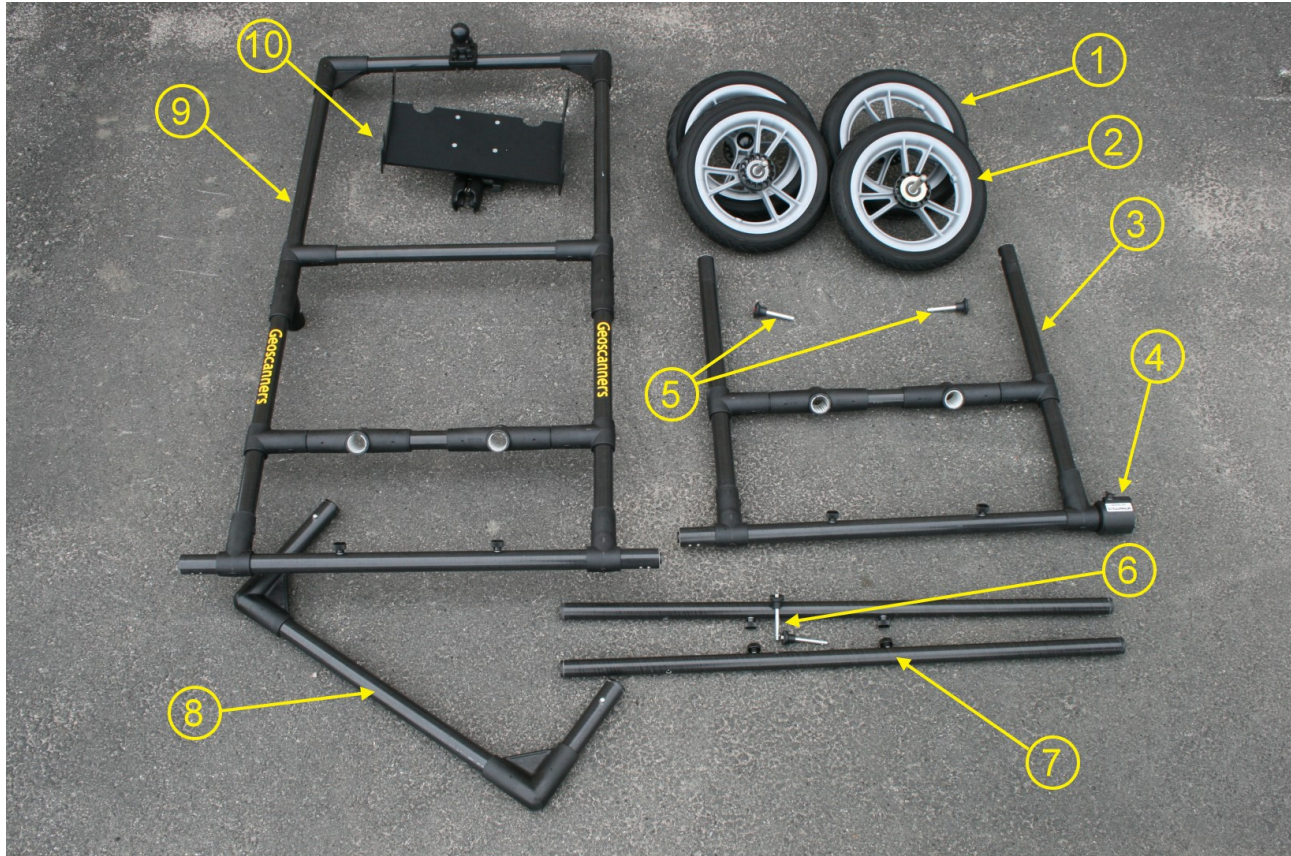




SVC-819 Survey Cart Assembly Instructions

Dear Customer, Thank you very much for trusting our products and buying premium Swedish made quality products from us. Please read carefully the assembly instructions before starting to put together your survey cart. Make sure that all the parts are included and that you have a good understanding of the process flow. Do not hesitate contacting us if any questions arise about this product or how to use it. Again, Thank you for your purchase and we wish you a fruitful and rewarding survey!

Contents



1. Wheels with push button axles, 3pcs
2. Wheel with push button axle and magnetic ring for ENC-820, 1pc
3. Rear Frame with two (2) thumb M5 screws, 1pc
4. Survey wheel encoder ENC-820, 1pc
5. 8mm Frame retaining snap buttons with security wings, 2pcs
6. 6mm antenna holder retaining snap buttons, 2pcs
7. Antenna holder with two (2) thumb M5 screws, 2pcs
8. Handle, 1pc
9. Front Frame with two (2) thumb M5 screws, 1pc
10. SH-126 Holder for SIR3000 units, 1pc

Please make sure that you have all the components of the survey cart and that you can recognize the names of them that will be used throughout this assembly instruction.



Assembly Steps

Step 1:

Insert the rear frame (3) into the two large "T" connectors of the front frame (9). Please note that the survey wheel encoder ENC-820 (4) should be on your right when looking from behind. Press the snap buttons down while inserting and make sure that they click when finally falling into place.





The main frame now should look like in the picture above. Note the red button on the 8mm retaining snap button. You will need to press this in order to insert the pin into the frame from both sides. This will secure the rear and the front frames together in one piece.



Make sure that the security wings of the retaining snap button are out and that the frame is secure before proceeding with the next step.

Step 2:

Attach now the four wheels. Press the head of the axle on the wheel for it to slide in into the bushing in the main frame.





Please note that the wheel with the magnetic ring has to be inserted into the bushing where the survey wheel encoder ENC-820 is located. Failing to do so will render the encoder nonfunctional and no distance information will be gathered by the control unit. The picture below shows the correct positioning of the wheel with the magnetic ring in front of the survey wheel encoder.



Step 3:

Insert the handle (8) into the frame and make sure that the snap buttons make click when the fall into position.





Step 4:

Mount the two antenna holders (7) into the frame. Please remove the thumb screws before inserting the antenna holders into the frame. The two holes for the 6mm retaining snap buttons should be on the front side of the cart. Please note that the blind nuts for the thumb screws should be facing up for the holders to enter the frame.



Secure now the two antenna holders with the supplied 6mm retaining snap buttons.





Step 5:

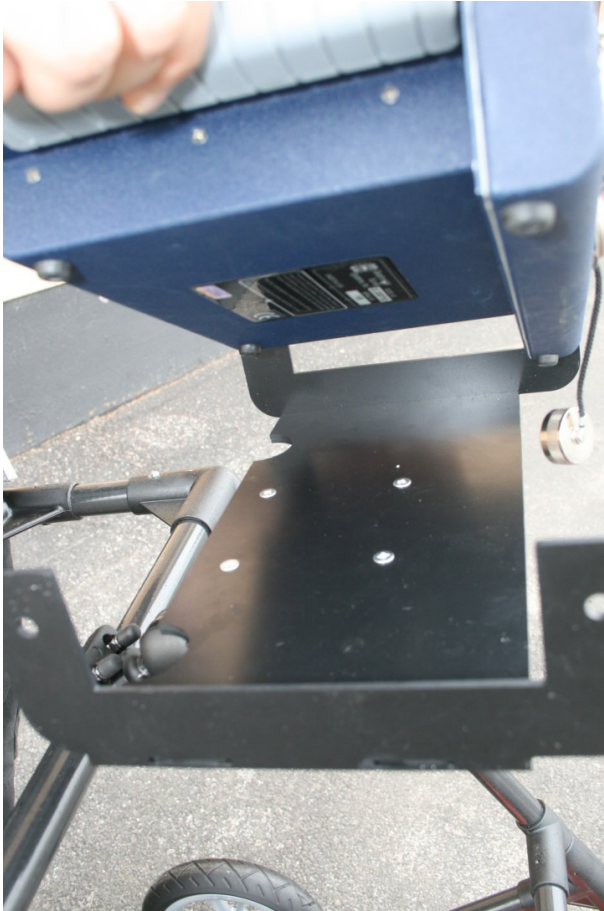
Mount the SH-126 holder (10) by first installing the ball joint into the ball on the main frame. Then attach the rest of the holder and secure firmly with the handle screw on the side.





Step 6:

Mount the control unit onto the SH-126 and secure it with the screws the manufacturer provides.



Please note that the SH-126 has two semi circle openings for the rubber feet of the SIR-3000. Make sure the position of it is correct before attempting to fix the control unit to the holder. Adjust the viewing angle by loosening and tightening the handle screw when the required position has been reached.





Step 7:

This is a multipurpose survey cart and the mounting of different antennas will differ depending on the model number to be used. In this assembly instruction we will show only how to mount the antenna model **50400** from GSSI. That antenna is the most popular and hence the one this survey cart is more often used for. For other antennas please refer to their corresponding adapter kits for instructions on how to mount them. Please note that the skid plate and the belts shown here are not part of the SVC-819 survey cart and need to be ordered separately, use the model number **SVC81950400ADP** to order the skid plate and the belts.

Place the antenna on the skid plate and fasten the belts with the antenna screws from the manufacturer. These screws are not provided with the adapter, but can be ordered separately.



Now place the antenna under the survey cart.



Pass the belts behind the axle of the main frame and insert through the hole in the belt the supplied thumb



screw. Secured to the blind nut on the frame as shown in the picture below.



Fasten now the belts to the antenna holders in the same fashion. Use the picture below as a guide.





Step 8:

Connect the survey wheel cable **SEC-705** (Sold separately) to the ENC-820 encoder as shown in the picture.



Then connect the other end to the survey wheel input on your antenna.



This concludes the assembly of your SVC-819 survey cart with an antenna 50400 from GSSI mounted. Congratulations!



Final view of the survey wheel cart **SVC-819** with the **SVC81950400ADP** mounted.