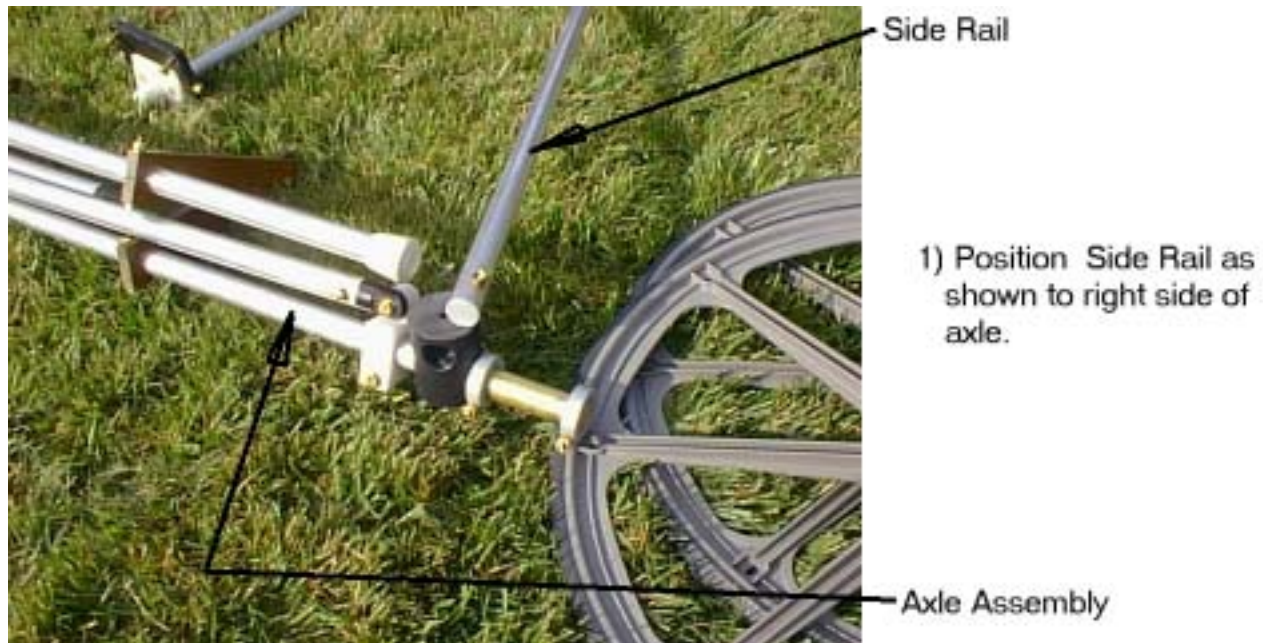# Mag Cart Assembly

The Pieces:
- Axle assembly
- Wheel assemblies
- Side Rails
- Top Rail assembly

Mag Cart Assembly

Side Rail

1) Position Side Rail as shown to right side of axle.

Axle Assembly

Mag Cart Assembly

2) Bolt Side Rail in place as shown.

3) Repeat process for left side.

Mag Cart Assembly

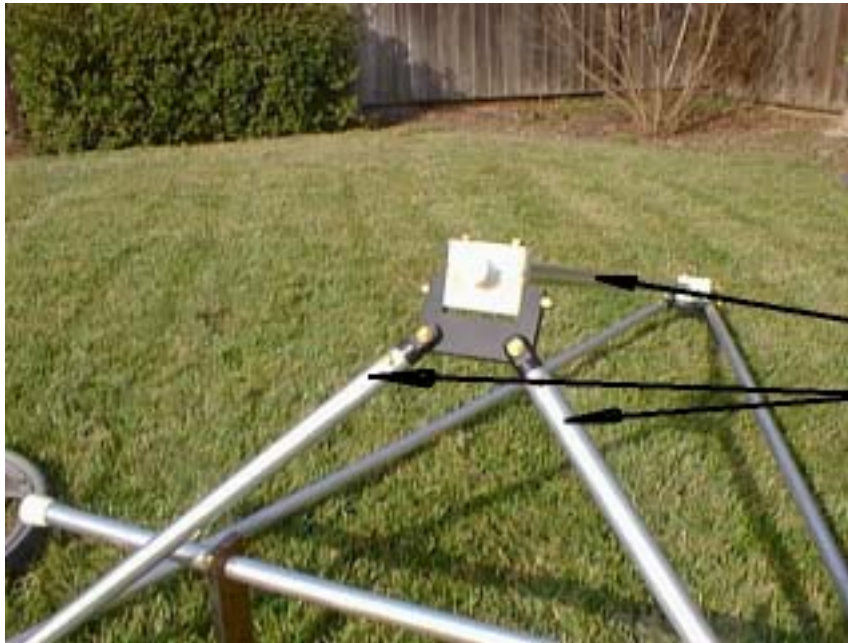4) Unfold axle pieces and raise Strut Tubes.

5) Position Top Rail assembly as shown.

Top Rail

Strut Tube

Mag Cart Assembly

6) Bolt Strut Tubes to Top rail as shown.

Top Rail

Strut Tubes

Mag Cart Assembly

7) Bolt Side Rails to Top Rail as shown.

Mag Cart Assembly

8) Position Wheel assemblies for mounting.

Mag Cart Assembly

9) Loosen nut and remove Axle Clamp with a twisting motion.

Mag Cart Assembly

10) Install Wheel assembly on axle, then reinstall Axle clamp and tighten clamp nut.

11) Install Wheel assembly on other side using same prodecure.

Mag Cart Assembly

Sensor Mount Tube

12) Position Sensor Mount Tube to desired height and tighten hinge screws securely. (Typically the sensor height is 1/2 of the sensor separation).

Mag Cart Assembly

13) Tighten these two bolts.

14) Repeat with corresponding bolts on other side.

Mag Cart Assembly

The assembled cart.

Mag Cart Disassembly

1) Loosen the following bolts:

A) by 1/2 turn.

B) by 1/4 turn.

C) by 2 turns.

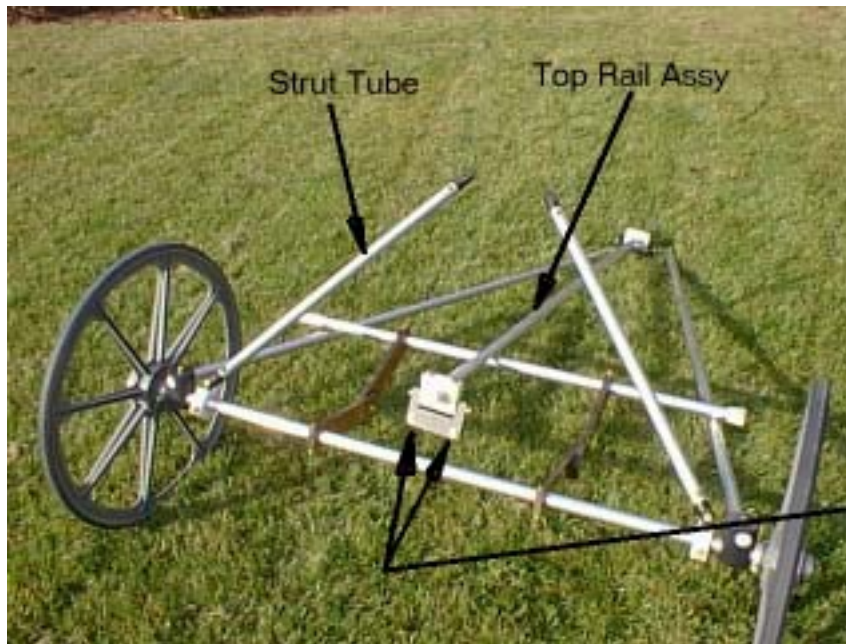2) Repeat loosening sequence on other side.

Page 1

Mag Cart Disassembly

3) Unbolt Side Rails from Top Rail as shown.

4) Reattach hardware and partially tighten to prevent loss.

Mag Cart Disassembly

5) Unbolt Top Rail from Strut Tubes as shown.

6) Reattach hardware to Swivel Plate and partially retighten to prevent loss.

Page 3

Mag Cart Disassembly

Axle Clamp

7) Remove Axle Clamp.

8) Remove Wheel Assembly.

9) Reinstall Axle Clamp and tighten.

10) Repeat process for other wheel.

Page 4

Mag Cart Disassembly

11) Fold up Sensor Mount and Strut Tubes.

Page 5

Mag Cart Disassembly

12) Unbolt Side Rail as shown.

13) Reattach hardware and tighten to prevent loss.

14) Repeat process for other Side Rail.

Mag Cart Disassembly

The disassembled cart pieces.

Rear Axle Assembly

Wheel Assemblies

Side Rail Assemblies

Top Rail Assembly

Mag Cart Manual Addendum

1) To dampen vibration of the Sensor Mount Bar, add two straps between Sensor Bar and Rear Struts. Position straps at point of least distance between bars, then tighten.

Mag Cart Manual Addendum

Adding a staff for a Vertical Gradiometer:

1) Use the following pieces:

A) Cross Clamp (comes with mag cart)

B) Twist Lock Staff Section (from G-858)

C) Base Clamp (comes with mag cart)

Mag Cart Manual Addendum

Using care to avoid pinching your fingers:

2) Snap Cross Clamp to Top Rail as shown.

3) Snap Base Clamp to Sensor Mount tube.

4) Align Cross Clamp with Base Clamp by sliding clamps on the aluminum tubes.

Mag Cart Manual Addendum

Again watching your fingers:

5) Snap G-858 Staff Section in place as shown.

6) Slide G-858 Staff Section down and into Base Clamp. You may have to twist the Staff Section Cam Lock for minimum radius.

7) Twist G-858 Staff Section to lock in place.

Mag Cart Manual Addendum

Vertical Gradiometer Staff is now in place.

If clamp movement is a problem in severe terrain, the clamps may be additionally secured with a few wraps of electrical tape.