

# Home To Auto Universe Cart Assembly Instructions

Thank you for your purchase of the Universe Cart.

Unfortunately keeping shipping costs down requires partial disassembly of the cart. We hope that you find the assembly process easy.

You may find the latest instructions and assembly video at our website,  
<https://HomeToAuto.com>.

## Tools Needed

- 2 of 11mm wrenches or similar such as sockets or cresent wrenches
- 2 of 9/16 inch wrenches or similar such as sockets or cresent wrenches

## Parts List

- 1 of Main Cart Assembly With Load Platform



- 1 of Suspension and Rear Wheels Assembly



- 2 of Suspension Spring Assemblies



- 1 of Handlebar



- 1 of Front Retractable Wall



- 1 of Left Retractable Wall



- 1 of Right Retractable Wall



- 1 of Rear Fixed Wall



- 12 of 2 inch x 1/4 inch bolts and matching lock nuts



- 1 of D-Ring



- 6 of Side Supports with D-Rings attached



- 2 of 2 1/2 inch x 3/8 inch bolts with matching lock nuts, possibly with washers



- 2 of Clevis Pins



- 1 of 24 Volt Battery



- 1 of 24 Volt Battery Charger



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## Instructions

### Handlebar

The handlebar fits into the 2 short cylinders at the rear of the cart.

- Position the Handlebar vertically next to the rear of the Main Cart Assembly, being careful to prevent the brake cables from getting caught on any parts of the Main Cart Assembly.
- Push the Handlebar down into the Cylinders.
- Insert a Clevis Pin through the hole in each cylinder.

### Electrical

- Connect the two parts of the Electrical Connector. One part is on the left side of the Handlebar. The other side is attached to wires under the cart.
- Insert the 24 Volt Battery into the connector at the back of the Cart.
- Test that the electrical is working by pressing the toggle switch at the center of the Handlebar up and down.

### Battery Charging

- Plug the 24 Volt Battery Charger into 110 volt electrical outlet.
- Insert the 24 Volt Battery into the 24 Volt Battery Charger.
- Wait until the battery is charged. There are indicator lights on the 24 Volt Battery Charger and the 24 Volt Battery.
- Disconnect the 24 Volt Battery from the 24 Volt Battery Charger

### Suspension and Rear Wheels

- Raise the lift to the highest position
- Tip the cart forward 90 degrees so it rests on the front of the lower and top frames.

- Position the Suspension and Rear Wheels Assembly at the back of the Main Cart Assembly with the wheels toward the back and facing down.
- Insert the front ends the Suspension Arms into the corresponding supports which are attached to a Bar in the Lower Frame.
- Insert the 2 1/2 inch x 3/8 inch bolts through the supports and the ends of the Suspension arms, with washers if necessary.
- Attach the matching lock nuts to the bolts and lightly tighten them.
- Disassemble a Suspension Spring Assembly into the components parts—One Spring, One Long Bolt, 2 Washers, and One Lock Nut.
- Position the Spring between the Spring Support on the Suspension Arm and the corresponding Spring Support on the Lower Frame.
- Place one Washer on the Long Bolt
- Insert the Long Bolt from underneath through Spring Supports and Spring
- Attach the Washer and Lock Nut at the top of the Long Bolt.
- Repeat the above procedure for the other Suspension Spring Assembly.
- Tip the cart back to the normal upright position so it rests on the wheels.

## Adjusting the Suspension

The tightness of the Lock Nut on the Long Bolt needs to be adjusted for optimal suspension.

- If the Center Wheels of the cart are not touching the ground or don't have traction, tighten the Lock Nut on the Long Bolt
- If the cart rocks back and forth on the Center Wheels of the cart, loosen the Lock Nut on the Long Bolt.

## Rear Fixed Wall

- If the Load Platform is on the cart, remove it by pushing up from underneath the Load Platform.
- Position the Rear Fixed Wall at the back of the cart, with side with the stickers facing the rear.
- Insert 2 inch x 1/4 inch bolts through the Rear Fixed Wall and the holes in the Frame.
- For the hole in the middle, insert the D-Ring to the bolt before inserting the bolt through the frame.
- Attach the Lock Nuts to the bolts from the other side of the Frame, and tighten them.

## Front Retractable Wall, Left Retractable Wall, and Right Retractable Wall

Follow these instructions are the same for each of the Retractable Walls

- Find the appropriate Wall for whichever side you are working on. The Center Support With Button that's already attached to each Wall faces outward. When placed next to the side of the cart, the Button should line up with the Knob of the Detent that's near the middle. If it doesn't line up it's likely that the Left and Right Walls are switched.
- Insert a 2 inch x ¼ inch Bolt through the slot in the Center Support and the matching hole in the Frame.
- Attach a Lock Nut to the bolt but do not fully tighten to allow the side to slide up and down.
- Attach a 2 inch x ¼ inch Bolt through the hole near one end of the wall and the corresponding hole in the Frame.
- Attach a Lock Nut to the bolt but do not fully tighten to allow the side to slide up and down.
- Repeat the above for the other end of the Wall

## Adjust the Retractable Walls

The tightness of the bolts will affect the up and down motion of the walls, the firmness of the wall for enclosing the load, and the effectiveness of the button to latch and unlatch the wall.

- Pull the Wall up. It should move up easily and latch into position to remain up.
- Pull lightly outwards on the wall and verify that the wall is stable.
- Push the button to release the latch and push the wall down.
- The wall should move up and down fairly easily.
- Adjust the tightness of all Lock Nuts until this all works as desired.