

## Parts List



The Trolley™ E-Class



Removable Metal Front Cover



Trim Ring  
(Ships with Flush Mount or Surface Mount)



75mm VESA Plate  
(100mm VESA Plate Installed)



Keys



Qty. 9  
#6 x 3/4" screws



Qty. 4  
Monitor screws  
Phillips pan head  
M4, length: 6mm



Qty. 2  
Wire management  
grommet screws  
Phillips pan head  
3mm, self-threading  
screw, length: 10mm

## Tools (not included)



Phillips Screwdriver  
*Power screwdriver may also be used, if desired.*



Rubber Mallet

**Note: Do NOT connect the Trolley E-Class to power source until Step 4.**

## Step 1:



1a. Remove Trolley E-Class and parts from shipping box.



1b. Place Trolley E-Class in its upright, vertical position with the open interior side facing you.

## Step 2:



2a. With arm in down position, remove black cable management cover.



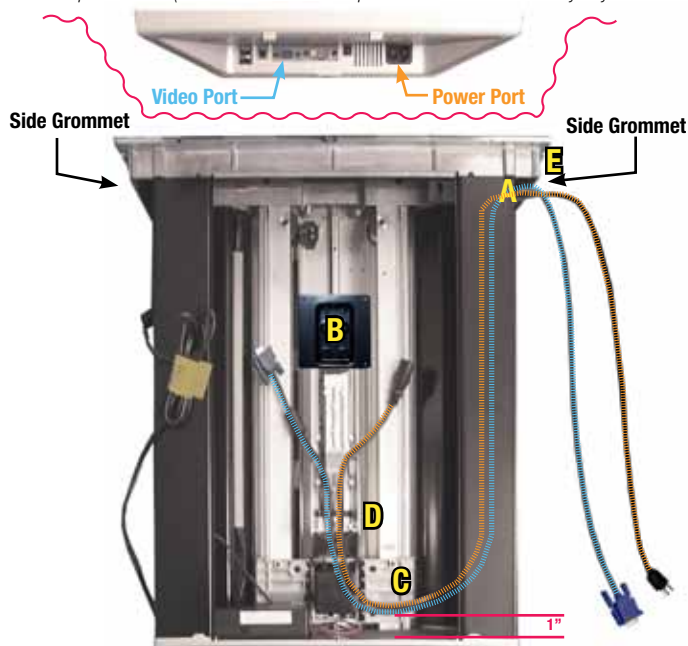
2b. Remove right screw from cable retention clip on cable management channel. Then loosen left screw and rotate clip downward.



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The Right Solutions

## Step 3:

Flat panel monitor (bottom view. Dell monitor pictured here. Other brands may vary.



- A** Feed monitor video and power cables through the grommets on either side of The Trolley.
- B** Align other end of video and power cables with ports on monitor. Position the end of the cables even with the center of the VESA plate on monitor arm. These cords may need adjustment in Step 6a.
- C** Leave about 1" of clearance between the video/power cables and the bottom of The Trolley E-Class.
- D** Place video/power cables in two center wire management channels on monitor arm. Bring wire clip (rotated downward in Step 3) back up over wires, aligning right side over screw hole. Tighten left screw, then reinstall and tighten right screw.
- E** Place video and power cables in wire retention clamps on side grommet. Secure screws in grommet. Make sure all wires are clear of screw hole. See figs. 1 & 2.
- F** Reinstall black cable management cover that was removed in Step 2.
- G** Completely remove two shipping screws indicated by the yellow warning label.



fig. 1 - Side grommet with wire retention clamps

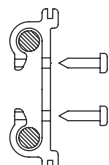


fig. 2 - Top view of wire retention clamps



Warning: After screws are removed and before monitor is installed, arm may move upward. If this happens, it should be stopped by holding it with your hand.

## Step 4:



4a. With the open side of The Trolley facing the user side of the desk, place Trolley on work surface adjacent to work surface cutout.

Feed video and power cables through cutout.

4c. Using the palm of your hand or a soft rubber mallet and a block of wood, push or gently tap the trim ring into place. Start at one end and work your way to the other. The NOVA logo should be facing the user.



4b. Lower Trolley into the cutout and secure with nine (#6 x 3/4") screws provided.



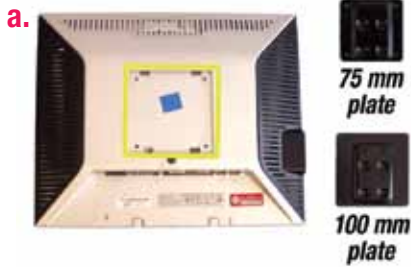
Note: At this point, you can plug-in power and activate Trolley to open door and grip the inside of unit while lowering into cutout, but unit must be in "Install Mode" to allow door to stay open.

Make sure the PCU switch is in "Install Mode" before completing Step 4d. Refer to Step 7a for location of PCU.

4d. Plug Trolley into power source. Insert and turn the key to illuminate blue LED light. Wait 5 seconds to activate, then push button and hold to open door and raise Trolley arm. The power control module in the bottom of the Trolley housing is normally shipped in "Install Mode." The green LED does not light when in "Install Mode."

Note: "Install Mode" only allows upward motion of arm and access door will remain open.

## Step 5:



5a. Select appropriate size VESA plate for your monitor.

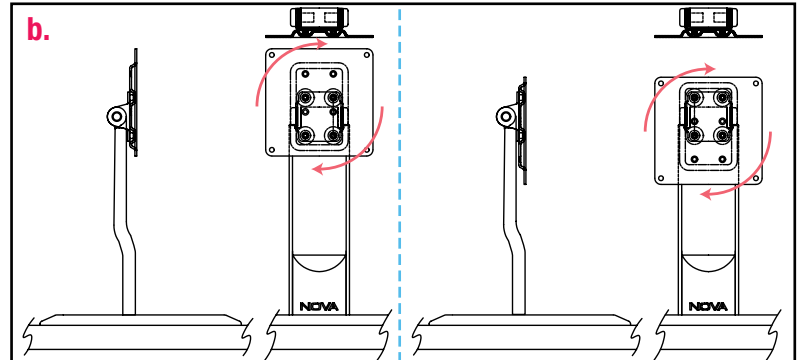
(100mm VESA plate installed)

*Note: Once installed, the bottom of your monitor should be 1 1/2" to 2" above the closed Trolley door.*



5c. If 75mm VESA plate required, remove four black screws on 100mm VESA plate. Attach 75mm VESA plate in correct position for monitor size.

5b. VESA plates can be detached and rotated to ensure a monitor height clearance of 1 1/2" - 2" above closed Trolley door.



5c. Depending on the depth of your monitor's VESA plate mounting area and/or the thickness of your monitor, different screw holes can be used to adjust the space between the monitor and The Trolley arm.



Using the flush screw holes increases the space between the monitor and the arm.

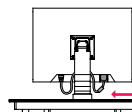


Using the indented screw holes decreases the space between the monitor and the arm.

## Step 6:



6a. Attach the video and power cables to your monitor. Allow enough slack in cables for easy tilting of monitor, but do not allow them to touch the work surface or interfere with Trolley operation.



*Cables should allow for monitor tilt, but should not touch work surface.*



6b. Attach monitor to VESA plate with four monitor screws provided.

*Note: It may be helpful to have another person assist in holding the monitor while attaching it to the VESA plate.*

## Step 7:



7a. Locate the power control module at the bottom of The Trolley E-Class and move the switch to the right to "Operation Mode." The green LED will light.



7b. Push "Down" button for a few seconds to activate unit. Once the monitor is completely lowered into the Trolley, the door will close automatically.

*Note: Pushing "Up" button will close door.*



7c. Remove the small screw located at the bottom of Trolley (Ref. H). Slide the top end of the removable metal front cover into the upper front cover slot. *Note: Top of front cover must slide inside the groove of the top structure.*

Slide bottom of cover into Trolley aligning with screw hole. Reinstall the screw.

Overview

The Trolley™ E-Class includes *Intelligent Motion Technology*.™ This feature reduces the risk of accidental damage and personal injury. Utilizing information from various different sensors, *Intelligent Motion Technology*™ continually monitors the Trolley's operational status and delivers information to the power control module.

If conditions create a “conflict” within The Trolley's programming, the system will automatically take action to reduce damage or injury. See below for some common operational conditions and how to resume normal operation.

Operational Guidelines

Condition	Operational Status	To Resume Operation...
<p><b>Power Failure</b></p> <ul style="list-style-type: none"> <li>In the event of a power failure during operation...</li> </ul>	Unit will STOP	Once power is restored, push the “Up” button to resume normal operation. The Trolley will return to the “Up” position.
<p><b>Obstruction During Upward Motion</b></p> <ul style="list-style-type: none"> <li>If someone or something obstructs the upward motion of the monitor (such as someone leaning on or pushing down on the monitor)...</li> </ul>	Unit will STOP	Once obstruction is cleared, push the “Up” button to resume normal operation. The Trolley will return to the “Up” position.
<p><b>Monitor is Tilted During Operation</b></p> <ul style="list-style-type: none"> <li>If the monitor is moved out of vertical alignment while Trolley is operating...</li> </ul>	Unit will STOP	<p>Move monitor to fully vertical position. Push “Up” to resume normal operation.</p> <p>Note: The Trolley will not operate when the monitor is tilted.</p>
<p><b>Access Door is Obstructed or Jammed</b></p> <ul style="list-style-type: none"> <li>If The Trolley senses an obstruction in the path of the access door...</li> </ul>	Unit will STOP	The Trolley's “Over-current Sensor” will stop the unit from operating until the door obstruction is removed. Once the path is clear, push either “Up” or “Down” buttons to resume normal operation.

For more information on installation and operation of The Trolley™ E-Class, please contact Customer Support at 800-730-6682 or support@novasolutionsinc.com